Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	YTree	Source	Mean	Simplified_Culture	Country
Denisova4	FR695060.1	51.4	84.7	M	DN1a1	TMRCA ca. 708,133.1 (549,422.5-930,979.7)	A0000	PetrbioRxiv2020	-67700	Denisovan	Russia
Denisova8	KT780370.1	51.4	84.7	M	DN2	TMRCA ca. 706,874.9 (607,187.2-833,211.4)	A0000-T	PetrbioRxiv2020	-119050	Denisovan	Russia
Spy_final	Spy 94a	50.5	4.67	..	ND1b1a1b2*	TMRCA ca. 369,637.7 (326,137.1-419,311.0)	A000a	HajdinjakNature2018 from Me...	-38972	Neanderthal	Belgium
El Sidron 1253	FM865409.1	43.4	-5.33		ND1b1a*	TMRCA ca. 353,265.5 (286,250.7-449,185.5)	A000b	PetrbioRxiv2020	-41090	Neanderthal	Spain
Mezmaiskaya2_final	Mezmaiskaya 2	44.2	40	M	ND1b1a*	TMRCA ca. 339,207.2 (274,711.4-408,161.1)	A000b1	PetrbioRxiv2020 from Hajdinjak...	-41499	Neanderthal	Russia
I10871	LAK93 C13 339 (3), I1...	5.86	10.1		L0a2a1	A00	A00-L1087	LipsonNature2020	-5963	Africa_West_Early_Holocene	Cameroon
bab001	2009/008.001, bab00...	-29.5	31.2	M	L0d2a1	A1b1b2b1-M118	A1b-M32	SchlebuschScience2017	-87	Africa_South_Ancient	South Africa
baa001	2009/007, baa001-dr...	-29.5	31.2	M	L0d2c1	A1b1b2b1-M118	A1b-M32	SchlebuschScience2017	62	Africa_South_Ancient	South Africa
I8830	NV5.01	-0.66	36.4	M	M1a1b	xBT (Likely A due to...	A1b-M13	PrendergastScience2019	-390	Africa_East_Pastoralist	Kenya
I8804	DEL.03.01	-0.36	35.7	M	L4b2a1	A1b1b2; A-L427 (pr...	A1b-M13	PrendergastScience2019	-626	Africa_East_Pastoralist	Kenya
I8758	NS2017.01.01	-0.46	36.1	M	L0a2d	A1b(xA1b1b2a); A-P...	A1b-M13	PrendergastScience2019	-641	Africa_East_Pastoralist	Kenya
I8919	NV6.01	-0.66	36.4	M	L4a1	A1b1b2b; A-M13	A1b-M13	PrendergastScience2019	-300	Africa_East_Pastoralist	Kenya
UCT386	UCT386	-32	18.5	M	L0d1b2b1b	A1b1b2a	A1b-M51	SkoglundCell2017	40	Africa_South_Ancient	South Africa
KhoesanLeipzigHunter		-32.8	18	M	L0d2c1	A1b1b2a	A1b-M51	SkoglundCell2017	-295	Africa_South_Ancient	South Africa
I10872	LAK93 C13 212 (6)	5.86	10.1		L0a2a1	BT	B	LipsonNature2020	-5870	Africa_West_Early_Holocene	Cameroon
I10873	, I10873_publishedLA	5.86	10.1		L1c2a1b	B2b1	B2-CTS162	LipsonNature2020	-1115	Africa_West_Late_Holocene	Cameroon
I2966	Hora1	-11.7	33.6	M	L0k2 (PMDS > 3)	BT	B2-M6557(xM6485)	SkoglundCell2017	-6945	Africa_East_Ancient	Malawi
I4468	FGA3	-10.8	33.8	M	L0d1c	BT	B2-M6557(xM6485)	SkoglundCell2017	-4089	Africa_East_Ancient	Malawi
I13983	G2017.01.01; Ind. 20	-3.48	35.3	M	n/a (<2x)	BT (Likely B due to a...	B2-M8632	PrendergastScience2019	-200	Africa_East_Pastoralist	Tanzania
I4427		-10.8	33.8	M	L0d1b2b	BT	B2-M8360	SkoglundCell2017	-4059	Africa_East_Ancient	Malawi
KPL001	KPL 2018 B1	0.67	34.4	M	L3i1	CT	B2-M8360	WangSciAdv2020	-1937	Africa_East_HG	Kenya
I8930	WRP.02.01	-0.45	34.3	M	L2a4	BT(xCT) (Likely B due...	B2-M8360	PrendergastScience2019	-2500	Africa_East_Pastoralist	Kenya
LU-02	UT, GG-33	42.2	-83.1	M	A2i	BT	BT	ScheibScience2018	1325	America_North_Ancient	Canada
I10854	SJR'15-1820	42.1	2.87	M	H1n+146	BT	BT	OlaldeScience2019	1042	Iberia_MA	Spain
VK222	Russia_Gnezdovo 60-...	54.8	31.9	M	H63	BT	BT	MargaryanNature2020	1000	Viking	Russia
ans006	Ansarve 6	57.5	18.1	U	J1c8a		BT	FraserJArchaeolSciRep2018	-3005	Megalithic	Sweden
TOR.12	MF991447.1	37	-4.54	M	J2b1a		BT	FregelPNAS2018	-5030	Iberia_N	Spain
WEHR_1414	WEHR_1414	48.3	10.8	U	K1a1b1g	BT	BT	MittnikScience2019	-1958	CEU_EBA	Germany
Niederstotzingen2	NIEcap2, tooth42, 13...	48.5	10.2	U	K1a1b2a1a	BT	BT	SullivanSciAdv2018	535	Germanic	Germany
I10282	GN.90.Remenat.Gene...	41.4	1.57	M	K1a3	BT	BT	OlaldeScience2019	-2950	Iberia_MLN	Spain
VK164	UK_Oxford_#2; UK_O...	51.8	-1.26	M	I3a1	BT	BT	MargaryanNature2020	940	Viking	UK
I11461	405, IRV Grave 45	30.6	61.4	M	L3f2b	BT	BT	NarasimhanPattersonScience2019	-2650	Iran_BA	Iran
Vestonice15	DolniVestonice15	48.9	16.7		U5	BT(PF1178)	BT	FuNature2016	-28850	Palaeolithic_Gravettian	Czech Republic
I12506	AT_769, 679	46.8	112	M	n/a (<2x)	n/a (<50000 SNPs)	BT	WangNature2021	-1369	Mongolia_MLBA	Mongolia
I11562	Grave 31, Skeleton 2 i...	36.3	72.4	M		BT	BT	NarasimhanPattersonScience2019	500	Swat_Med	Pakistan
I8142	8	37	-3.89	M	U5b1i	CF(xI)	CF(xG,xI)	OlaldeScience2019	-2100	Iberia_CA	Spain
TU17	Sag	49	88.2	M	A4	C	C	HollardForensicSciIntGenet2014	-1100	Altai_MLBA	Mongolia
ZMOJ	ZMOJ	37.8	32.9	M	K1a	C	C	FeldmanNature2019	-7950	Anatolia_EN	Turkey
SCH018	Schwetzingen 220	49.4	8.57	M ?	K1a	C	C	RivollatSciAdv2020	-5095	LBK	Germany
AT_626	ChemN	49.3	89	M	D4b1	C	C	Hollard2014	-2400	Chemurchek	Mongolia
ALE 16		46.2	18.7	M	N1a1a1	C	C	SzécsényiNagyProcRSocLondB2015	-4939	Balkans_EN	Hungary
MN0137		46.4	101	M	N1a1a1a	C-RPS4Y	C	Shin2017	-3000	Mongolia_LN	Mongolia
POP15	SU1380 U719	45.3	18.7	M	U8b1b1	C	C	FreilichSciRep2021	-5749	Croatia_EN	Croatia
Niuheliang5		41	119			C	C	CuiBMCEvolBiol2013	-1800	China_Hongshan	China
I10274	P8L6-2	44.7	18.1	M	T2b+150	C(xC1a1a1a,C1b3,C2)	C(xZ7180,xP55,xM217)	NovakPLoSONE2021	-4150	Croatia_C	Croatia
S07	Bronze 1	51.7	79.8	M	U4	C(xC3)	C(xC3)	KeyserHumGenet2009	-1600	Andronovo	Russia
Vestonice13	DolniVestonice13	48.9	16.7	..	U8c	CT(xI,xIJK)	C1(xC1b)	FuNature2016	-28850	Palaeolithic_Gravettian	Czech Republic
BB7-240	A11201	42.9	25.4	M	N*	pre-C	C1-F3393*	HublinNature2020	-45265	Palaeolithic_Upper	Bulgaria
Paglicci133	Paglicci133	41.7	15.6	..	U8c	I (CTS674,CTS9269,xI...	C1/I?	FuNature2016	-31200	Italy_HG	Italy
Kostenki12	Kostenki12	51.2	39.3		U2	CT	C1?	FuNature2016	-30700	Palaeolithic	Russia
BuranKaya3A		45	34.4		N1b	C1a	C1a	BennettbioRxiv2019	-34050	Palaeolithic_Gravettian	Ukraine
TSBL_BA_KM03580	28	42.8	93.5	M	C	C	C1a-M105	GaoAmJPhysAnthropol2015	-1600	Xinjiang_East_BA	China
GoyetQ116-1	GoyetQ116-1	50.3	4.28	M	M	C1a(CTS11043)	C1a-Y11591(xV86)	FuNature2016	-33258	Palaeolithic_Gravettian	Belgium
Sunghir1	Sungir1	56.2	40.5	M	U8c	C1a2	C1a-Y11591	SikoraScience2017	-31259	Palaeolithic_Upper	Russia
Sunghir4	Sungir4	56.2	40.5	M	U2	C1a2	C1a-Y37006*	SikoraScience2017	-32373	Palaeolithic_Upper	Russia
Sunghir2	Sungir2	56.2	40.5	M	U2	C1a2	C1a-Y37020	SikoraScience2017	-32679	Palaeolithic_Upper	Russia
Sunghir3	Sungir3	56.2	40.5	M	U2	C1a2	C1a-Y37020	SikoraScience2017	-32567	Palaeolithic_Upper	Russia
I4064	FS4, FOST_1	37.7	12.9	M	H1+16189!	C1a2	C1a-V20	FernandesNatEcolEvol2020	-4794.5	Sicily_MN	Italy
I2394	VEJ9a	47.1	17.9	M	H40	C1a2	C1a-V20	LipsonNature2017	-4281	Balkans_CA	Hungary
UZZ61		38.1	12.8	M	K1a2	C1a2	C1a-V20	vandeLoosdrechtbioRxiv2020	-5300	Sicily_EN	Italy
ZBC	ZBC, IPB001.B/C0101	37.5	33	M	K2b	C1a2	C1a-V20	FeldmanNature2019	-13461	Anatolia_HG	Turkey
Tep006	TP'10 SK 21	38.2	34.5	M	N1a1a1	C1a2	C1a-V20	KılınçCurrBiol2016	-6149	Anatolia_N	Turkey
I14174	I14174	50.1	14.2	M	H	C1a2	C1a-V20	PapacSciAdv2021	-3650	CEU_N	Czech Republic
I1899	VEJ2a	47.1	17.9	M	T2b	C1a2	C1a-V20	LipsonNature2017	-4600	Lengyel	Hungary
Schw72-15	Schw72-15	48.8	7.6	M	T2f	C1a2	C1a-V20	BrunelPNAS2020	-5075	France_EN	France
I10063	P8L12-3	44.7	18.1	M	H	C1a2(xC1a2a1)	C1a-V20(xV222)	NovakPLoSONE2021	-4150	Croatia_C	Croatia
I0843	LaBrana2, LaBraña2,L...	42.9	-5.38	M	U5b2c1	C1a2	C1a-A22263	OlaldeScience2019	-5903	Iberia_HG	Spain
I0585	I0585, LaBrana1, LaBr...	42.9	-5.38	M	U5b2c1	C1a2	C1a-A22263	OlaldeScience2019	-5875	Iberia_HG	Spain
Vestonice16	Vestonice16	48.9	16.7	M	U5	C1a2	C1a-V86	FuNature2016	-27850	Palaeolithic	Czech Republic
I2783	GEN49	46.3	19.1	M	T2b23	C1a2a	C1a-V182	LipsonNature2017	-4060	Balkans_CA	Hungary
I1296	MP11	44	26.4	M	U5a2	C	C(-BY1463(xV222;xF1628)?)	MathiesonNature2018	-5684	Balkans_N	Bulgaria
R1285	RMPR-1285	41.9	12.5	M	T2c1a	C-V222	C1a-V222(xV4510,xBY1117,xY...	AntonioScience2019	1015	Italy_MA	Italy
I4089	URZI48	47.7	22.4	M	J1c	C1a2a	C1a-Z29332*	MathiesonNature2018	-3686	Balkans_CA	Romania
I3947	ZC2 (SJ100,PU387), SJ...	43.6	16.6	M	K1b1a	C1a2	C1a-F1628	MathiesonNature2018	-5886	Balkans_N	Croatia
SCH016	Schwetzingen 133	49.4	8.57	M	H2a	C1a2b	C1a-PH428	RivollatSciAdv2020	-5141	LBK	Germany
N20	N20	52.6	19	M	H3t	C1a2b	C1a-PH428	FernandesSciRep2018	-3517	CEU_MN	Poland
Dil16		48.6	10.5	M	J1c6	C1a2b	C1a-PH428	MarchibioRxiv2020	-5167	LBK	Germany
LEPE48		44.6	22	M	K1a1	C1a2b	C1a-PH428	MarchibioRxiv2020	-5990	Iron_Gates_HG_EN	Serbia
CCH144	OxA-21263	37.7	32.8	M	N1a1a1	C1a2	C1a-PH428(xZ44526)	YakaCurrBiol2021	-6857.5	Anatolia_N	Turkey
OBN006	OB 4730-1	48.5	7.48	M	N1a1a1	C1a2b	C1a-PH428	RivollatSciAdv2020	-5076	France_MN	France
CCH294	-	37.7	32.8	M	H2a2a	C1a2	C1a-PH428(xBY22666)	YakaCurrBiol2021	-6747.5	Anatolia_N	Turkey
POP35	SU1736 U890	45.3	18.7	M	J2b1a5	C1a2b-Z38888	C1a-pre-PH428	FreilichSciRep2021	-4521	Croatia_MN	Croatia
I1102	M11-354	40.3	29.6	M	K1a3a	C1a2	C1a-PH428(xBY22666)	MathiesonNature2015	-6350	Anatolia_N	Turkey
I0706	DZHU 10	43.2	25.9	M	K1a4b	C	C1a-PH428(xBY22666)	MathiesonNature2018	-5949	Balkans_N	Bulgaria
I3498	GEN71	45.3	18.7	M	U8b1b1	C	C1a-PH428(xBY22666)	MathiesonNature2018	-5731	Starcevo	Croatia
I1500	NE5.SG, HUNG372	47.2	20.8	M	J1c1	C1a2	C1a-FT251391	MathiesonNature2015	-5108	Alfold_Linear_Pottery	Hungary
I1496	NE6.SG, HUNG352	47.2	19.8	M	K1a3a3	C1a2	C1a-FT251391	MathiesonNature2015 (capture...	-5090	LBK	Hungary
I5070	Ind. 58	48.6	16.5	M	K1a1a	C1a2	C1a-FT251331	MathiesonNature2018	-5098	LBK	Austria
La368	20368, Pha Faen L. Pe...	18.4	104	M	M5	C	C1b	McCollScience2018	-5922	Laos_HG	Laos
I6188		-17.7	168	M	Q1b	C1b2a	C1b-M38	LipsonCurrBiol2020	-450	Vanuatu	Vanuatu
EFE005		-17.8	169	M	P1d2	C1b2a	C1b-M38	LipsonCurrBiol2020	1795	Vanuatu	Vanuatu
I14493		-17.6	168	M	P2	C1b2a	C1b-M38	LipsonCurrBiol2020	1550	Vanuatu	Vanuatu
I10968		-17.6	168	M	B4a1a1	C1b2a	C1b-M38	LipsonCurrBiol2020	1600	Vanuatu	Vanuatu
TAP003	TAP003	-16.8	-151	M	B4a1a1c	CT	C1b-M38	PosthNatEcol2018	1584	Polynesia_Historical	French Polynesia
TAP004	TAP004	-16.8	-151	M	B4a1a1+16126	CT	C1b-M38	PosthNatEcol2018	1722	Polynesia_Historical	French Polynesia
TAP002	TAP002	-16.8	-151	M	B4a1a1m1	n/a	C1b-M38	PosthNatEcol2018	1747	Polynesia_Historical	French Polynesia
Botocudo15	Bot15	-18.9	-41.9	M	..	http://dna.ja	C1b-M208	MalaspinasCurrBiol2014	1642	America_South_Historical	Brazil
Bot17	Bot17	-18.9	-41.9	M		http://dna.ja	C1b-M208	MalaspinasCurrBiol2014	1669	America_South_Historical	Brazil
I6553	Grave 135, Individual ...	34.8	72.4	M	U2e1'2'3	C1b1a1a1	C1b-Z5895(xK107)	NarasimhanPattersonScience2019	-884	SPGT	Pakistan
CC7-335	A11199	42.9	25.4	M	N*	pre-C	C1b-FT409300	HublinNature2020	-45810	Palaeolithic_Upper	Bulgaria
Kostenki14	FN600416.1	51.2	39.3	M		FTDNA: Splits C-B66 I...	C1b-FT409300	SeguinOrlandoScience2014	-36102	Palaeolithic_Upper	Russia
SN-45	SDMM, 17739	33.3	-120	M	A2	n/a	C2	ScheibScience2018	-2925	America_North_Ancient	Canada
EG25A		49.6	103	M	G2a		C2	RicautAmJPhysAnthropol2010	-50	Xiongnu	Mongolia
MNX2		47.8	112	M	D4	C3	C2	KimAmJPhysAnthropol2010	1	Xiongnu	Mongolia
LOK_1985.031.02		52.3	104	M	A	C3-M217	C2	MoussaJArchaeolSciRep2016	-5260	Siberia_Cis_Baikal_EN	Russia
Dashanqian5		41.9	119			C3e	C2	CuiBMCEvolBiol2013	-900	China_Upper_Xiajiadian	China
Jinggouzi8		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi11		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi1		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi7		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi5		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi3		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi6		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi12		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi9		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi4		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi2		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
Jinggouzi10		36.8	116			C3e	C2	CuiBMCEvolBiol2013	-800	China_North_Nomad	China
FGD/4	FGDper4	46.4	18.9			C2	C2	NeparáczkiSciRep2019	645	Avar	Hungary
PV/72	PVper72	46.3	20.7			C2	C2	NeparáczkiSciRep2019	675	Avar	Hungary
N°10		62.1	131			C2 M217	C2	ZvenigoroskyComunBiol2020 from CrubezyBMCEvolBiol20...	1750	Yakutia_modern	Russia
N°9		62.1	131			C2 M217	C2	ZvenigoroskyComunBiol2020 from CrubezyBMCEvolBiol20...	1750	Yakutia_modern	Russia
OLN007	AT-972	47.1	102	M	D4	C2e1a1a (C-F3864; C-M407)	C2b-pre-M407	JeongCell2020	792	Turkic	Mongolia
SM-M27	SM-SGDLM27	38.6	110	M	G2a1	C2e1b2	C2b-PH1064	NingNatCommun2020	-2100	China_LN	China
MZGM10-1	..	40.8	113	M	A14	C2e2	C2b-F845	NingNatCommun2020	-3300	China_MN	China
QL11	96ZQM11	40.6	110	M	G1a1	C2a-F845	C2b-F845	LiAmJPhysAnthropol2020	350	China_IA	China
YK15	98LYM15	42.4	116	M	G1a1	C2a-F845	C2b-F845	LiAmJPhysAnthropol2020	1250	Mongol	China
MZGM16	..	40.8	113	M	C4a2a1	C2e2	C2b-F845	NingNatCommun2020	-3300	China_MN	China
HJTM107	..	33.6	114	M	D4	C2e2	C2b-F845	NingNatCommun2020	-2043	China_LN	China
ZK3022	ZK3022	39.6	110	M	R	C2a-F845	C2b-F845	LiAmJPhysAnthropol2020	-1550	China_BA	China
NE56	AR19K	46	126	M	G2	C2	C2a-F1906(xF3447)	MaoCell2021	-17431	Asia_East_HG	China
Lapa01	Lapa01 (Burial 1)	-19.5	-44	M	C1d1	C2b	C2a-F1906	PosthCell2018	-7900	America_South_Ancient	Brazil
HQHM2		47.4	124	M	D4c1b	C2a	C2a-F1906	CuiEvolHumSci2020	-2000	Asia_East_LN	China
NE58	AR7.3K_LowCov	45.9	126	M	D4e5		C2a-F1906	MaoCell2021	-5347	Asia_East_MN	China
BAA001	AT-369	47.2	103	M	D4j5a	C2b (C-F2661; C-L13...	C2a-F1906	JeongCell2020	1350	Mongol	Mongolia
NE30	AR9.9K_2d.rel.AR10.5	46	126	M	D4m	C	C2a-F1906	MaoCell2021	-7972	Asia_East_EN	China
NEO239	NEO239	44.5	135	M	D4m	C2b	C2a-F1906(xF1756,xF1918,xM...	SikoraNature2019	-5593	Asia_East_N	Russia
NE-2	AR6.32K	45.9	126	M	D4m	C	C2a-F1906	MaoCell2021	-4369	Asia_East_MN	China
JGZ1		43.2	118			C2b/C3*	C2a-F1906	ZhangHumGenet2018	-525	Donghu	China
BSB004	Bisoba mound 8, buri...	48.2	58.9	M		CT(CT-M5715,CT-M168)	C2a-F1906(xBY75034,xFGC16...	GnecchiRusconeSciAdv2021	-350	Sarmatian	Kazakhstan
CWG9		42	114			C2b/C3*	C2a-F1906	ZhangHumGenet2018	400	China_Xianbei	China
CWG11		42	114			C2b/C3*	C2a-F1906	ZhangHumGenet2018	400	China_Xianbei	China
GG20		49.3	119			C2b/C3*	C2a-F1906	ZhangHumGenet2018	850	China_MA	China
GG8		49.3	119			C2b/C3*	C2a-F1906	ZhangHumGenet2018	850	China_MA	China
ANG001	4620	52.2	104	M	Z+152	BT	C2a-F1906(xF1918,xM48;xF99...	YuCell2020	-5324	Siberia_Cis_Baikal_EN	Russia
I1192	Popov7, Cemetery 1, ...	42.8	131	M	B4d1'2'3	C2a1(xC2a1a1a,C2a1...	C2a-F1906(xBY63635;xZ31698...	WangNature2021	-4761	Mongolia_MN	Russia
NE-3	AR10.6K	45.9	126	M	M8	C	C2a-F3447	MaoCell2021	-8763	Asia_East_EN	China
NE-4	AR10.5K	45.9	126	M	M8	C	C2a-F3447	MaoCell2021	-8571	Asia_East_EN	China
NE34	AR14.5K	46	126	M	D4h3	C	C2a-F3447	MaoCell2021	-12604	Asia_East_HG	China
NE-22	AR6.84K	46.2	126	M	D4m	C	C2a-F3447	MaoCell2021	-4881	Asia_East_MN	China
NEO253	NEO253	66	-170	M	A2b1	C2b	C2a-F6301	SikoraNature2019	229	Beringia_IA	Russia
I13957	AT_629, 990	49.3	87.7	M	G2a+152	C2b1a1	C2a-F6301	WangNature2021	-2675	Afanasievo	Mongolia
GLZ001	4616 M2 upper left	52.3	104	M	C4	C2b1	C2a-F6301(xF1918,xF3918,xM...	YuCell2020	-2606	Siberia_Cis_Baikal_EBA	Russia
I14771	Popov_22: Boysmana...	42.8	131	M	C5a	C2a(xC2a1a1,C2a1a2...	C2a-F6301(xF3918,xM48)	WangNature2021	-3675	Mongolia_MN	Russia
TSA002	AT-816	49.1	115	M	D4o2a	C2b1 (C-F1788; C-F1699)	C2a-F6301	JeongCell2020	1350	Mongol	Mongolia
I6708	StPet37, collection 60...	48.8	83.9	M	T	C2b	C2a-F6301	NarasimhanPattersonScience2019	-2092	Turan_MBA	Kazakhstan
I12975	AT_809, 704	51.5	101	M	U5a1a2a	C2b1a	C2a-F6301(xFGC16273,xF9992...	WangNature2021	-1160	Mongolia_MLBA	Mongolia
I12977	AT_626, 706	49.4	88.7	M	D4b1	C2b1a1	C2a-F6301?(xF3918)	WangNature2021	-2872	Mongolia_EBA	Mongolia
Dzhylinda-1	irk00x_merged.hs37d...	55.7	116	M	C5c	PhyloTree: na; ISOGG: na	C2a-F16224	KılınçSciAdv2021 from KılınçSciRep2018	-6496.5	Siberia_Trans_Baikal_HG	Russia
TAL005	Taldy II/8	49.1	75.8	M	H6a1b	C2b (C-L1373)	C2a-F12327	GnecchiRusconeSciAdv2021	-669	Tasmola	Kazakhstan
DA357	LOK_1985.031.02	52.3	104	M	A+152+16362	C2b1a1	C2a-F3918(xBY728;xF17066,xF...	DamgaardScience2018	-5835	Siberia_Cis_Baikal_EN	Russia
JGZ12		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ10		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ8		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ7		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ4		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ6		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ3		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ2		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ5		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ9		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
JGZ11		43.2	118			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	-525	Donghu	China
GG22		49.2	120			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
GG12		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
GG9		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
GG4		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
GG3		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_Xianbei	China
GG18R		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
GG6		49.3	119			C2b1a/C3*	C2a-F3918	ZhangHumGenet2018	850	China_MA	China
KAG001	8307 petrous left	53.9	106	M	A8a	BT	C2a-BY728	YuCell2020	-4906	Siberia_Cis_Baikal_EN	Russia
UKY001	Ust'Kyakhta-3 1976 E...	50.5	106	M	C4	C	C2a-BY728	YuCell2020	-11979	Siberia_Kolyma_HG	Russia
GLZ002	4617 M2 upper right	52.3	104	M	C4a1a+195	C2b1	C2a-BY728	YuCell2020	-2480	Siberia_Cis_Baikal_EBA	Russia
I7021	AT_50, MONU_50	48	114	M	D4h4	C2b1a1	C2a-B77	WangNature2021	-5100	Mongolia_N	Mongolia
IUO001	8311 petrous left	54.9	106	M	F1b1+@152	C2b1	C2a-F17066*	YuCell2020	-4955	Siberia_Cis_Baikal_EN	Russia
I20755_I20777	Mos91, I20777	66.2	-170	M	A2a1	C2b1a1	C2a-F25764	HarneyCheronetbioRxiv2020	800	Ekven_EMA	Russia
I7341	NEO249, Mos90	66.2	-170	M	A2a1	C2b1a1a	C2a-F25764	FlegontovNature2019 and Siko...	850	Beringia_MA	Russia
I7340	Mos89	66.2	-170	M	A2b1	C2b1a1	C2a-F25764	FlegontovNature2019	930	Beringia_MA	Russia
I11698	1-055-1-2, 329	49.4	103	M	D4b1c	C2b1a1	C2a-pre-F25764	WangNature2021	-5570	Mongolia_N	Mongolia
I13698	N1; Marzyn Khutul; k...	49.5	103	M	F1b1+@152	C2b1a1	C2a-pre-F25764	WangNature2021	-5554	Mongolia_N	Mongolia
I11696	1-055-1, 327	49.4	103	M	D4j	C2b1a1	C2a-FTA37248	WangNature2021	-5578	Mongolia_N	Mongolia
I11697	1-055-4, 328	49.4	103	M	D4j8	C2b1a1	C2a-FTA37248	WangNature2021	-5550	Mongolia_N	Mongolia
Khazar1564		47.7	40.9	M	H13c1	C3	C2a-F1756	KornienkoHumGenet2021 from MikheyevbioRxiv2019	800	Khazar	Russia
ELW037		49	10.1	M	K1a4a1a2a		C2a-F1756(xF10085)	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
M74B		45.7	124	M	G2a1	C2b_448del	C2a-F1756	NingbioRxiv2020	-340	Asia_East_EIA	China
Khazar656		47.5	42.3	M	C4a1	C3	C2a-F1756	KornienkoHumGenet2021 from MikheyevbioRxiv2019	720	Khazar	Russia
M74A		45.7	124	M	C4a2	C2b_448del	C2a-F1756	NingbioRxiv2020	-340	Asia_East_EIA	China
MGS-M6	MGS6	46.9	120	M	C5a1	C2b1a1	C2a-F1756	NingNatCommun2020	150	China_Xianbei	China
M94		45.7	124	M	D4	C2b_448del	C2a-F1756	NingbioRxiv2020	-3560	Asia_East_MN	China
ZLNR-1		46.9	120	M	N9a9	C2b1a1b1	C2a-F1756	NingNatCommun2020	164	China_IA	China
91KLM2	..	42.5	125	M	B4c1a2	C2b1a1b1	C2a-F1756	NingNatCommun2020	-700	China_BA	China
BRL003	AT-337	49.3	106	M		C2b1a1b (C-F1756)	C2a-F1756	JeongCell2020	27	Xiongnu	Mongolia
Byljasyk 3		67.5	135			C2b1a1b1 F3985	C2a-F1756(Y10428?)	ZvenigoroskyComunBiol2020	1650	Yakutia_modern	Russia
MGS-M7L	MGS7L	46.9	120	M	Z3a1	C2b1a1b1	C2a-F1756(xY10428)	NingNatCommun2020	150	China_Xianbei	China
NE39	AR8.1K	45.9	126	M	D4m2	C	C2a-F3830	MaoCell2021	-6235	Asia_East_EN	China
ZHS5		47.9	104	M	C4a2a1	C2b1a/F3918	C2a-F3830	LiAmJPhysAnthropol2020, first reported in LiAmJPhysAnthr...	623	China_Xianbei	Mongolia
TL1		47.6	103	M	D4b1a2a	C2b1a/F3918	C2a-F3830	LiAmJPhysAnthropol2020, first reported in LiAmJPhysAnthr...	623	Rouran	Mongolia
M25B		45.7	124	M	D4c2b	C2b_448del	C2a-F3830	NingbioRxiv2020	-615	Asia_East_EIA	China
GG3		49.3	119	M	F1b	C2b1a/F3918	C2a-F3830	LiAmJPhysAnthropol2020, first reported in LiAmJPhysAnthr...	900	China_MA	China
TSA001	AT-784	49.1	115	M	T1a1	C2b1a1b1 (C-F3830)	C2a-F3830	JeongCell2020	1350	Mongol	Mongolia
SHG001	AT-701	46.4	113	M	M9a1a	C2b1a1b1 (C-F3830)	C2a-F3887*	JeongCell2020	1350	Mongol	Mongolia
bla001	bla001, MH359189.1	49.7	128	M	D4e4a	PhyloTree: na; ISOGG: C2b1a1b1	C2a-F9721	KılınçSciAdv2021 from KılınçSciRep2018	643	Asia_East_IA	Russia
ZAA002	AT-957	47.9	104	M	C4a2a1	C2b1a1b1 (C-F3830)	C2a-SK1082	JeongCell2020	621	Turkic	Mongolia
ARG003	AT-763	47.9	105	M	C4a2a1	C2b1a1b1 (C-F3830)	C2a-SK1082	JeongCell2020	1350	Mongol	Mongolia
ZAA004	AT-959	47.9	104	M	D4b1a2a1	C2b1a1b1 (C-F3830)	C2a-SK1082	JeongCell2020	700	Turkic	Mongolia
KHN001 / KHN002*	AT-758; AT-759	46.9	112	M	D4j5a	C2b1a1b1 (C-F3830)	C2a-FGC28922*	JeongCell2020	1350	Mongol	Mongolia
BAY001	AT-304	47.7	106	M	D4e5b	C2b1a1b (C-F3937; C-F1756)	C2a-Y10428*	JeongCell2020	1350	Mongol	Mongolia
TEV003	AT-145	44.7	100	M	N9a1	C2b1a1b (C-F1756)	C2a-Y10428*	JeongCell2020	-5	Xiongnu	Mongolia
I6228	AT_119, Grave #44, B...	50	92.1	M	D4j12	C2b1a1b1	C2a-Y11606*	WangNature2021	31	Xiongnu	Mongolia
KHO006	AT-361B	47.1	91.8	M	C5b1b	C2b1a1b (C-F3937; C-F1756)	C2a-Y11606*	JeongCell2020	-5	Xiongnu	Mongolia
CHN010	AT-119	50	92.1	M	D4j12	C2b1a1b (C-F1756)	C2a-(pre-?)Y11606*	JeongCell2020	-24	Xiongnu	Mongolia
JAG001	AT-878	47.8	109	M	F1b1f	C2b	C2a-(pre-?)Y11606*	JeongCell2020	-150	Xiongnu	Mongolia
I3355	Popov39, Cemetery 2,...	42.8	131	M	C5a	C2a1a(xC2a1a1,C2a1...	C2a-pre-F1918	WangNature2021	-4871	Mongolia_MN	Russia
I1193	Popov10, Cemetery 2,...	42.8	131	M	C5b	C2a1a3	C2a-pre-F1918	WangNature2021	-4882	Mongolia_MN	Russia
I3356	Popov46, Cemetery 2,...	42.8	131	M	C5b1	C2a1a3(xC2a1a3a)	C2a-pre-F1918	WangNature2021	-3655	Mongolia_MN	Russia
KLK002	Kayalyk Mausoleum i...	45.7	80.2	M	D4o2a	C2b1c(C-F1918)	C2a-F1918	GnecchiRusconeSciAdv2021	900	Steppe_Central_Nomad_...	Kazakhstan

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	Y-Simple	YTree	Source	Date	Mean	CalBC_top	CalBC_bot	Simplified_Culture	Culture_Grouping	Label	Location	Country
NE19	AR7K	46	126	M	F1b1+@152	C	C2a1a3	C2a-F1918	MaoCell2021	7,167–6,854 calBP	-5061	-5217	-4904	Asia_East_MN	ARpost9K	AR7K	Zhaodong, Northern bank of the Songhua River	China
TSA003	AT-783	49.1	115	M	D4j3	C2b1c (C-F3939; C-F1918)	C2a1a3	C2a-F4002(xF10312)	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Tsagaan Chuluut, Dornod	Mongolia
MGS-M7R	MGS7R	46.9	120	M	C4a1a4a	C2b1a1b1b	C2a1a1b1	C2a-Y10428	NingNatCommun2020	50-250 CE	150	50	250	China_Xianbei	Xianbei	China_AR_Xianbei_IA	MGS	China
SHA001	AT-594	44.1	104	M	D4a1	C2b1c (C-F3795; C-F1918)	C2a1a3	C2a-F10312	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Shar Tolgoi, Umungobi	Mongolia
DA28	KS62,ERS2374307	47	66.3	M	D4m2	C3	C2a1a3	C2a-ZQ346	DamgaardNature2018	1200-1600 CE	1400	1200	1600	Mongol	Golden_Horde	Kazakhstan_GoldenHordeAsian.SG	Karasuyr, Burial 2	Kazakhstan
MRI001	AT-800	49.4	101	M	D4m	D (D-F1137; D-M174)	C2a1a3	C2a-SK1072(xF12663,xZQ369)	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Mori Baridag, Khuvsgul	Mongolia
DAS001	AT-391	45.4	114	M	N1a1a1a1a	C2b1c (C-M546; C-F1918)	C2a1a3	C2a-SK1072*	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Lamt Mountain, Sukhbaatar	Mongolia
SHG003	AT-703	46.4	113	M	G2a2a	C2b1c (C-F4002; C-F1918)	C2a1a3	C2a-ZQ369	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Sharga Uul, Sukhbaatar	Mongolia
NE-8	AR11K	46	126	M	D4o	C	C2a1a2	C2a-M48	MaoCell2021	11,601–11,176 calBP	-9439	-9651	-9226	Asia_East_EN	AR13-10K	AR11K	Zhaodong, Northern bank of the Songhua River	China
I14308	Popov_17: Boysmana	42.8	131	M	D4o2a	C2a1a2(xC2a1a2a)	C2a1a2	C2a-pre-M48	WangNature2021	4841-4706 calBCE	-4764	-4841	-4706	Mongolia_MN	Boisman	Russia_MN_Boisman	Primorsky Krai, Boisman-2	Russia
TUH001	AT-543	47.8	102	M	B5a2a1a	C2b1b1 (C-M86)	C2a1a2	C2a-F6379(xF5485)	JeongCell2020		-5	-150	120	Xiongnu	Late Xiongnu	Mongolia_Late Xiongnu	Tamiryn Ulaan Khoshuu (Burkh Circular grave; bu	Mongolia
KRN001	AT-643	49.7	107	M	Z3c	C2b1b1 (C-M86)	C2a1a2	C2a-F5485	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Karnikovyn Am , Selenge	Mongolia
KEII/60		48.3	21.7	M		C2-M217 99.4% (pre C2-L1370 > F12970 (prediction based on network analysis)	C2a1a2	C2a-F12970	FóthiArchaeolAnthropolSci2020	first half of the tenth	920	895	950	Magyar	Early Conqueror Upper Tisza		Karos-Eperjesszög II/Grave 60	Hungary
DA106	Kyr 64	42.1	77	M	C4b1a	C2b1a2a2a	C2a1a2	C2a-FT1836	DamgaardNature2018	1161-1272 calCE	1215	1161	1272	Steppe_Central_Nomad_IA		Kyrgyzstan_Medieval_Nomad_o.SG	Tian Shan	Kyrgyzstan
NE-5	AR14.1K	46	126	M	D4h3a+@152	C	C2a1a2	C2a-B469	MaoCell2021	14,814–14,017 calBP	-12466	-12864	-12067	Asia_East_HG	AR14.1K	AR14.1K	Zhaodong, Northern bank of the Songhua River	China
DA231	Mitjurino, 24th april 1	52.5	76.8	F	U2e1h		C2a1a4	C2a-Y11990	DamgaardNature2018	1610-1416 calBCE	-1489	-1610	-1416	Andronovo	Central_Steppe_MBA	Kazakhstan_Andronovo.SG	Central steppe	Kazakhstan
DA23	KS57,ERS2374304	52.7	62.6	M	F1b1b	C	C2a1a4	C2a-ZQ354	DamgaardNature2018	1036-1206 calCE	1110	1036	1206	Turkic		Kazakhstan_Kipchak2.SG	Central steppe	Kazakhstan
Chinchorroi15	Maderas Enco C2, Chi	-18.5	-70.3	M	A2		CT	CT	RaghavanScience2015	4354-4180 calBCE	-4292	-4354	-4180	America_South_Ancient	Chinchorro	Chile_Chinchorro_LA.SG_lc	Arica, Chile	Chile
PS-34	SDMM, 18276	34.9	-121	M	A2c	n/a	CT	CT	ScheibScience2018	100-700 CE	400	100	700	America_North_Ancient	Mainland Chumash	USA_CA_Chumash_lc.SG	Point Sal, CA	Canada
PCA009	439	18.1	-65.8	M	A2z	CT	CT	CT	NägeleScience2020	678-957 calCE	818	678	957	America_Caribbean_Ancient		PuertoRico_PuntaCandelero_Ceram	Punta Candelero	Puerto Rico
VK467	Gotland_Kopparsvik-1	57.6	18.3	M	H1a	CT	CT	CT	MargaryanNature2020	900-1050 CE	975	900	1050	Viking	Viking Sweden	Sweden_Viking_lc.SG	Gotland	Sweden
I12650	UE 1384	39.5	-0.38	M	H1e1a	CT	CT	CT	OlaldeScience2019	1100-1300 CE	1200	1100	1300	Iberia_Muslim	Muslim	Spain_Islamic_published_lc	Carrer Sagunto 49, València, València/Valencia	Spain
VK359	Oland_1130	57.4	17.1	M	H1f+16093	CT	CT	CT	MargaryanNature2020	700-800 CE	750	700	800	Viking	Early_Viking	Sweden_EarlyViking_lc.SG	Oland	Sweden
JK1510		49	10.1	M	H2a2b1a1		CT	CT	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern		Ellwangen	Germany
VK185	Greenland F9; Greenl	61.2	-45.7	M	H4a1a1	CT	CT	CT	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Early_Norse	Greenland_EarlyNorse_lc.SG	Eastern Settlement	Greenland
AITI_51Sk2		48.2	10.8	M	H7a1	CT	CT	CT	MittnikScience2019	1946-1754 calBC	-1850	-1946	-1754	CEU_EBA	EBA Lech Valley	Germany_Lech_EBA	Kleinaitingen – Gewerbegebiet AITI	Germany
I7597	LL24	38.7	-0.49	U	J2b1a	CT	CT	CT	OlaldeScience2019	4000-3350 BCE	-3675	-4000	-3350	Iberia_MLN	SE_Iberia_MLN	Spain_MLN_o_contam_lc	Les Llometes, Alcoi, Alacant/Alicante, Valencian	Spain
I12646	UE 1637	39.5	-0.38	M	K2b1a1	CT	CT	CT	OlaldeScience2019	1100-1300 CE	1200	1100	1300	Iberia_Muslim	Muslim	Spain_Islamic_lc	Carrer Sagunto 49, València, València/Valencia	Spain
I1135	VN37, 0.7.MB.H1.M05	20.1	106	M	M7b1a1	CT	CT	CT	LipsonScience2018	1876-1687 calBCE	-1765	-1876	-1687	Vietnam_N	Vietnam_Neolithic	Vietnam_N	Man Bac	Vietnam
F9	F9	27	-107	M	C	CT	CT	CT	RaghavanScience2015	4000 BCE - 1500 CE	-1250	-4000	1500	America_Central_Pre_Col	Pre-Columbian mummies	Mexico_PreColumbian.SG_lc	northern Mexico (Sierra Tarahumara)	Mexico
CAO004	CAO004.B0101, E77; (	23	-81.5	n/a	C1d1c1	CT	CT	CT	NägeleScience2020	653-874 calCE	736	653	874	America_Caribbean_Ancient		Cuba_CanimarAbajo_Archaic_possib	Canimar Abajo	Cuba
BIY006	Mountain Bitiya #228	55	73.4	M	D4j	CT(CT-M5812,CT-M1	CT	CT(xN)	GnecchiRusconeSciAdv2021	3rd-2nd c. BCE	-200	-300	-100	Sargat	MtBitiya_300BCE	BIY006.LowCov	Mountain Bitiya #228/21	Russia
SCH004	Schwetzingen 33	49.4	8.57	M	N1a1a1	CT	CT	CT	RivollatSciAdv2020	5200-5000 BCE	-5100	-5200	-5000	LBK		Germany_EN_LBK	Baden-Württemberg, Germany Schwetzingen	Germany
I1680	AB40C	11	105	M	R	CT	CT	CT	LipsonScience2018	60-220 calCE (1885±	140	60	220	Cambodia_IA	Cambodia_IA	Cambodia_IA	Vat Komnou, Angkor Borei	Cambodia
I10096	S10096.E1.L1	32.6	35	M	X	n/a (<50000 autosor J1a2a1a2d2?	CT	CT(xE,xG,xIJ,xL,xT)	AgranatTamirCell2020	1600-1500 BCE	-1550	-1600	-1500	Levant_South_MLBA	Megido MB III - LB I	Israel_MLBA_lc	Tel Megiddo	Israel
I7426	Individuo 32	37	-3.55	M	H	CT	CT	CT	OlaldeScience2019	1500-1600 CE	1550	1500	1600	Iberia_Muslim	Muslim (Morisco)	Spain_NazariPeriod_Muslim_publish	Nécropolis de Torna Alta, Mondújar (Lecrín), Gra	Spain
I6312	Gonur tomb 1415 san	38.2	62	M	R2	CT	CT	CT	NarasimhanPattersonScience2019	2500-1600 BCE	-2050	-2500	-1600	BMAC	Gonur_BA	Turkmenistan_Gonur_BA_1_lc	Gonur	Turkmenistan
KHV001	AT-813	51.5	101	M	B4b1a3a	CT (CT-M5606; CT-M	CT	CT	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Khavtsal II, Khuvsgul	Mongolia
Cioclovina1	Cioclovina1	45.6	23.1		U	CT	CT	CT	FuNature2016	31343-30064 calBCE	-30719	-31343	-30064	Palaeolithic_Gravettian	Gravettian?	Romania_Cioclovina_published_lc	Peștera Cioclovina Uscată, South Transylvania	Romania
I1048		-4.9	39.6	F	L0a	CT	CT	CT	SkoglundCell2017	539-643 calCE	593	539	643	Africa_East_Ancient	Tanzania	Tanzania_Pemba_1400BP_published	Makangale Cave, Pemba Island	Tanzania
KEB.7	MF991439.1	33.6	-6.94	M	T2b3	CT	CT	CT	FregelPNAS2018	3780-3650 calBC	-3715	-3780	-3650	North_Africa_N	Morocco_N	Morocco_LN.SG	Kelif el Boroud	Morocco
Bartym4	Bartim5/D	55.8	57.5	F	U2e1	CT*	CT	CT	CsákySciRep2020	V-VI centuries	500	400	600	Urals_Cis_EMA	Nevolino Culture, Phase II		Bartym	Russia
I6913	Grab 2, left or right lo	48.1	16.3		U5a1	CT	CT	CT	NikitinSciRep2019	5604-5230 calBCE	-5416	-5604	-5230	LBK	Early_LBK	Austria_EN_HG_LBK_o_lc	Brunn am Gebirge	Austria
2018/1		57.8	25.1	U	U5a1d1		CT	CT	SusatCellRep2021	5300-5050 calBP	-3225	-3350	-3100	Baltic_MN	Combed Ware Culture		Riņņukalns, Salaca river, near Lake Burtnieks	Latvia
I20776_I20754	Mos61, I20754	48.9	33.8	M	U5a1+16294	N/A low coverage	CT	CT(I2?, R?)	HarneyCheronetbioRxiv2020	7,500-6,800 ybp	-5200	-5550	-4850	Ukraine_N	Ukraine Neolithic		Dereivka, Ukraine	Ukraine
I8130	C. Cocina-25-7-41-cap	39.8	-1.03	M	U5b2b	CT	CT	CT	OlaldeScience2019	6064-5926 calBCE	-6007	-6064	-5926	Iberia_HG	SE_Iberia_Meso	Spain_HG_lc	Cueva de la Cocina, Dos Aguas, València/Valencia	Spain
I1416	AG83/1	32	36	M		CT (xH, I, J, K)	CT	CT(xH,xI,xJ,xK)	LazaridisNature2016	8300-7900 BCE	-8100	-8300	-7900	Levant_N	PPNB	Levant_N	'Ain Ghazal	Jordan
I6932	YEHUD731	32	34.9	M	n/a (<2x)	n/a (<50000 autosomal SNPs)	CT	CT(xIJ)	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud IBA	Israel_MLBA_lc	Yehud	Israel
KRD005	TK_25_89	36.3	36.4	M		DE low coverage	DE	DE	SkourtaniotiCell2020	5775-5661 calBCE	-5711	-5775	-5661	Levant_North_EC	TellKurdu_EC	Turkey_TellKurdu_EC	Hatay Province	Turkey
Ma911	19911, As.33.6.11 SEA	5.02	102	M	M21b1a	D1(xD1a1a1a1b,xD1a	D	D1	McCollScience2018	2463-2209 calBCE	-2359	-2423	-2297	Hoabinhian	Phase 1 - Hoabinhian	Malaysia_Hoabinhian.WGC	Gua Cha Cave	Malaysia
TSA004	AT-782	49.1	115	M	D4a1	D1a1a (D-N1)	D1a1a	D1a-PH4	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Tsagaan Chuluut, Dornod	Mongolia
ZAM002	AT-711	45.5	104	M	B6a	D1a1a (D-N1)	D1a1a	D1a-PH4	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Zambaga Khairkhan, Dundgobi	Mongolia
KNT004	K1/6m	41.4	68.8	M	HV18	D1b2a (D-Z17175; D-CTS220)	D1a1a	D1a-F3905	GnecchiRusconeSciAdv2021	236-331 calAD	284	236	331	Steppe_Central_Nomad_I	Otrar-Karatau culture	KNT004.out	K1/6m	Kazakhstan
S41	S41	28.9	83.9	M	F1d	FTDNA: Splits D-BY12	D1a1a	D1a-pre-BY12975	JeongPNAS2016	200-700 CE	450	200	700	Tibet_IA	Tibetan_Samdzong	Nepal_Samdzong_1500BP.SG	Samdzong Tomb, Nepal	Nepal
LJM25	..	36.5	102	M	B4c1b2c2	FTDNA: Forms a new branch D-Y65054 under D-PH344 with a Big Y tester	D1a1a	D1a-Y65054	NingNatCommun2020	2050-1850 BCE	-1950	-2050	-1850	China_LN	Qijia	China_Upper_YR_LN	Lajia	China
TAH002	AT-360	47.1	91.8	M	B4b1b	D1a2a (D-P47)	D1a1b	D1a-M533	JeongCell2020		1350	1300	1400	Mongol	Mongol	Mongolia_Mongol	Takhiltyn Khotgor II, Khovd	Mongolia
Higashimyo	skeletal sample 012	33.3	130	M	M7a1a*	D1b (no calls for D1b [ISOGG standard: "same haplogroup as Funadomari5"]	D1a2	D1a-CTS3097	AdachiAnthropolSci2021	ca. 7460–7980 calBC	-5770	-6030	-5510	Japan_Jomon	Initial Jomon		Higashimyo shell midden site at Saga City, Kyush	Japan
Sanganji131421-3	Sanganji_131421-3_A	37.8	141	M	N9b	D1a2	D1a2	D1a-CTS3097	KanzawaKiriyamaJHumGenet2	1370-1127 calBCE	-1227	-1370	-1127	Jomon	Jomon	Japan_Jomon.SG	Sanganji Shell Mound, Fukushima Prefecture, Tol	Japan
Koban8		43.7	43.5	U	HV1/HV1a1a	D1a2a1	D1a2	D1a	BoulyginaJArchaeolSciRep2020	VIII-VII BC	-700	-800	-600	Scythian	Koban Culture		Zayukovo-3	Russia
I13887	1063 Burial 7	35.6	140	M	N9b1	D1b1d1	D1a2a3a	D1a-CTS3097	WangNature2021	2191-1982 calBCE	-2082	-2191	-1982	Japan_Jomon	Jomon Final	Japan_HG_Jomon_brother.I13886	Rokutsu Shell Mound	Japan
I13886	1062 Burial 6	35.6	140	M	N9b1	D1b1d1	D1a2a3a	D1a-CTS3097	WangNature2021	2136-1959 calBCE	-2053	-2136	-1959	Japan_Jomon	Jomon Final	Japan_HG_Jomon	Rokutsu Shell Mound	Japan
I13883	1050 Burial 2	35.6	140	M	N9b2a	D1b1d1a	D1a2a3a	D1a-CTS11032	WangNature2021	984-835 calBCE	-909	-984	-835	Japan_Jomon	Jomon Final	Japan_HG_Jomon	Rokutsu Shell Mound	Japan
I15926	SRM 3826-1163 Pogre	46.5	142	M	N9b1	D1a2b(xD1a2b1)	D1a2a2a	D1a-M15	WangNature2021	1800-1950 CE	1875	1800	1950	Russia_East_Med	Sakhalin_HG	Sakhalin_HG	Nevelsk 2	Russia
I6341	Funadomari5,Burial 5	45.4	141	M	N9b1	D1b2b (WangbioRxiv	D1a2a2	D1a-CTS1824	KanzawaKiriyamaAnthropolSci2	1500-1000 BCE	-1250	-1500	-1000	Japan_Jomon	Late Jomon	Japan_HG_Jomon	Funadomari	Japan
NYA003	DA-NYA-0317-006	0.33	34.3	M	..	E(E-M96,E-P162)	E	E	WangSciAdv2020	1650-1400 BCE	-1525	-1650	-1400	Africa_East_HG	east Afr. Foragers	Kenya_Nyarindi_LSA_Kansyore	Nyarindi Rockshelter	Kenya
SEEurope8	OnlineReport	41.7	26.3			E	E	E	ReichLab2020(SE_Europe)		-600	-800	-400	Bulgaria_EIA	Thracian?	Bulgaria_EIA	Kapitan Andreevo-Svilengrad?	Bulgaria
KIN003	DA-KIN1116-032	-5.09	15.1	M	n/a (<2x)	E(E-M96,EPF1620)	E	E	WangSciAdv2020	1662-1950 calCE	1787	1662	1950	Bantu	Bantu-related	Congo_Kindoki_Protohistoric_o	Kindoki	Democratic Re
GranCanaria24		27.9	-15.5			E1a* (M33)	E1a	E1a	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain
BERG157-4		43.2	2.41		X2b	E1b1b	E1b1b	E1b-M215	BrunelPNAS2020	4300-3900 calBC	-4100	-4300	-3900	France_MN2	BORS-Michelsberg		Bergheim	France
I1690	NAT6	32.7	35.1	M	H	E1b1b	E1b1b	E1b-M215	LazaridisNature2016	12000-9500 BCE	-10750	-12000	-9500	Levant_HG	Israel_Natufian	Israel_Natufian_published	Raqefet Cave	Israel
U48a		53.9	14.1		H	E1b1b	E1b1b	E1b-M215	Freder2010	1200 AD	1200	1100	1300	Slav_Early	Early West Slav?		Usedom, Mecklenburg-Vorpommern	Germany
CLR11		43.7	4.24		U8	E1b1b	E1b1b	E1b-M215	BrunelPNAS2020	400-300 calBC	-350	-400	-300	France_LIA	"La Tène"		Le Cailar	France
Bolshevo1		55.9	37.9			E1b1b	E1b1b	E1b-M215	ChernovRusin2019	first half of 12th c.	1125	1100	1150	Slav_Early	East Slav (Krivich)		Bolshevo-1, near Zagoryansky on the Klyazma riv	Russia
I1685	NAT4	32.7	35.1	M	J2a2	CT	E1b1b1	E1b-M35	LazaridisNature2016	12000-9500 BCE	-10750	-12000	-9500	Levant_HG	Israel_Natufian	Israel_Natufian_contam_published	Raqefet Cave	Israel
vaa001	Vaalkrans man	-23.7	30.1	M	L0d3b1*	E1b1b-M35	E1b1b1	E1b-M35	CoutinhoAmJPhysAnthropol2021	Probably younger th	1800	1750	1850	Africa_South_Recent	Khoekhoe pastoralist		Vaalkrans Shelter	South Africa
I1415	AG84/2	32	36	M	T1a	E1b1b1	E1b1b1	E1b-M35(M34?)	LazaridisNature2016	8176-7608 calBCE	-7877	-8176	-7608	Levant_N	PPNB	Jordan_PPNB_published	'Ain Ghazal	Jordan
I3261	Grave 27, Individual 1	34.7	72.3	M	..	DE	E1b1b1	E1b-M35	NarasimhanPattersonScience2019	1200-800 BCE	-1000	-1200	-800	SPGT	Udegram_IA	Pakistan_Udegram_IA_1d.rel.I1985	Swat Valley, Udegram	Pakistan
TverYDNA30	Number of samples u	56.9	35.9			E1b1b1	E1b1b1	E1b-M35	AlborovaMustafinMFTI2020	12th-13th c.	1200	1100	1300	Slav_East	East Slav		Tver'	Russia
YaroslavlYDNA30		57.6	39.9			E1b1b1-M35	E1b1b1	E1b-M35	AlborovaMustafinMFTI2020	13th c.	1250	1200	1300	Slav_East	East Slav		Medieval Kremlin of Yaroslavl	Russia
Bakhchisaray3		44.8	33.9			E1b1b1(M35.1)	E1b1b1	E1b-M35	SirotinIARAN2019	14th-15th c.	1400	1300	1500	Crimea_Khanate	Crimea_Khanate	Crimea_Khanate	Bakhchisaray	Ukraine
I1069	Nat5	32.7	35.1	M		E1b1	E1b1b1	E1b-M35(xL19)	LazaridisNature2016	12000-9500 BCE	-10750	-12000	-9500	Levant_HG	Israel_Natufian	Israel_Natufian_published	Raqefet Cave	Israel
BERG79		43.2	2.41		K1a2c	E1b1b1a1	E1bM78	E1b-M78	BrunelPNAS2020	4222-3956 calBC	-4089	-4222	-3956	France_MN2	BORS-Michelsberg		Bergheim	France
BERG157-9		43.2	2.41		K1a3a	E1b1b1a1	E1bM78	E1b-M78	BrunelPNAS2020	4300-3900 calBC	-4100	-4300	-3900	France_MN2	BORS-Michelsberg		Bergheim	France
BERG157-3		43.2	2.41		K1a-195	E1b1b1a1	E1bM78	E1b-M78(xL618)	BrunelPNAS2020	4300-3900 calBC	-4100	-4300	-3900	France_MN2	BORS-Michelsberg		Bergheim	France
TAF014	Individual 12	34.8	-2.41	M	M1b	E1b1b1a1	E1bM78	E1b-M78	vandeLoosdrechtScience2018	13200-11900 BCE	-12550	-13200	-11900	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
I19143	R150	21.1	30.6	M	L2a1d1	E1b1b1a1	E1bM78	E1b-M78	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I1710	AG83_6	32	36	M	T1a2	E1b1b1a	E1bM78	E1b-M78	LazaridisNature2016	7741-7522 calBCE	-7615	-7741	-7522	Levant_N	PPNB	Jordan_PPNB	'Ain Ghazal	Jordan
I3151	6 V6a-H6	48.5	25.5	M	U8b1b	E	E1bM78	E1b-M78(xV32,xV65,xBY6630	MathiesonNature2018	4000-3600 BCE	-3800	-4000	-3600	Trypillia	Trypillia	Ukraine_Eneolithic_Trypillia_publish	Verteba Cave	Ukraine
TAF015	Individual 13	34.8	-2.41	M	U6a1b	E1b1b	E1bM78	E1b-M78	vandeLoosdrechtScience2018	13200-11900 BCE	-12550	-13200	-11900	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
TAF009	Individual 6	34.8	-2.41	M	U6a6b	E1b1b1a1b1	E1bM78	E1b-M78	vandeLoosdrechtScience2018	12849-12097 calBCE	-12271	-12849	-12097	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
TAF010	Individual 7	34.8	-2.41	M	U6a7b	E1b1b1a1	E1bM78	E1b-M78	vandeLoosdrechtScience2018	13137-12252 calBCE	-12699	-13137	-12252	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
TAF013	Individual 11	34.8	-2.41	M	U6a7b	E1b1b1a1	E1bM78	E1b-M78	vandeLoosdrechtScience2018	13200-11900 BCE	-12550	-13200	-11900	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
TAF011	Individual 8,MG93662	34.8	-2.41	M	U6a7	E1b1b1a1	E1bM78	E1b-M78	vandeLoosdrechtScience2018	12900-12100 BCE	-12600	-12900	-12100	Iberomaurusian	Taforalt	Morocco_Iberomaurusian	Taforalt,Béni Snassen Mountains,Morocco	Morocco
Tenerife2		28.5	-16.3			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	2210 ± 60 to 1720 ±	35	-217	283	Canarias_Guanche	Guanche		Tenerife	Spain
Gomera1		28.1	-17.2			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1743 ± 40 to 1493 ±	332	207	457	Canarias_Guanche	Guanche		Gomera	Spain
Hierro2		27.7	-18			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1740 ± 50 to 970 ± 5	595	210	980	Canarias_Guanche	Guanche		Hierro	Spain
GranCanaria7		27.9	-15.5			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain
GranCanaria6		27.9	-15.5			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain
GranCanaria9		27.9	-15.5			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain
GranCanaria8		27.9	-15.5			E-M78	E1bM78	E1b-M78	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain
I8904	KH2.01	3.13	37.4	M	L3a2a	E1b1b1; E-M35 (not	E1bV12	E1b-V12	PrendergastScience2019	2500-2000 BCE	-2250	-2500	-2000	Africa_East_Pastoralist	PIA?	Kenya_PastoralN_Nderit_possible	Kokurmatakore Cairn 2 (GdJn 2)	Kenya
I6252	R181	21.1	30.6	M	H2a	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	1230±22 BP, UGAMS	720	698	742	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I18612	S16	21.1	30.7	M	H2a	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I18514	S182	21.1	30.7	M	H2a	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I19138	R96	21.1	30.6	M	L3b1a2	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I6336	S27	21.1	30.7	M	U5b2b5	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	1150±23 BP, UGAMS	800	777	823	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I19015	R21	21.1	30.6	M	U5b2b5	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I18610	S29	21.1	30.7	M	U5b2b5	E1b1b1a1a1c	E1bV12	E1b-CTS693	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
R59	RMPR-59	41.7	13.1	M	N1b1a	E-V12	E1bV12	E1b-Y21918*	AntonioScience2019	820-990 calCE	905	820	990	Italy_MA	Rome_Medieval/Early_Modern	Italy_Medieval_EarlyModern.SG	Villa Magna	Italy
R113	RMPR-113	41.9	12.5	M	H26a1	E-V12	E1bV12	E1b-BY8537	AntonioScience2019	1-200 CE	100	0	200	Italy_Imperial	Imperial Rome	Italy_Imperial.SG	Via Paisiello (Necropoli Salaria) burial 79	Italy
I19014	R15	21.1	30.6	M	H2a	E1b1b1a1a1b	E1bV12	E1b-V32	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I17481	S45	21.1	30.7	M	U5b2b5	E1b1b1a1a1b1a	E1bV12	E1b-CTS3282	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I8874	CB1.01	-0.44	36.3	M	L3i2	E1b1b1a1a1b1; E-CT	E1bV12	E1b-CTS3282	PrendergastScience2019	1407-1271 calBCE	-1337	-1407	-1271	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN_published	Cole's Burial (GrJj5a)	Kenya
I6250	R59	21.1	30.6	M	H2a	E1b1b1a1a1b1a1	E1bV12	E1b-Y17750	SirakbioRxiv2021	1220±22 BP, UGAMS	730	708	752	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I6327	R196	21.1	30.6	M	L2a1d1	E1b1b1a1a1b1a1	E1bV12	E1b-Y17750	SirakbioRxiv2021	1080±23 BP, UGAMS	870	847	893	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I18508	S115	21.1	30.7	M	U5b2b5	E1b1b1a1a1b1a1	E1bV12	E1b-Y17750	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
SFI-12	SFI-477, T27	33.9	35.5	M	H14a	E1b1b1a1a2-V65	E1bV65	E1b-V65	HaberAJHG2020	347-53 calBCE	-173	-347	-53	Levant_Hellenistic	Hellenistic	Lebanon_Hellenistic.SG	Beirut SFI-477	Lebanon
I3981	Individuo 234	37.2	-3.61	M	T2b32	E1b1b1a	E1bV65	E1b-Z1231	OlaldeScience2019	400-600 CE	500	400	600	Iberia_EMA	SE_Iberia_c.5-8CE	Spain_Roman	Paseíllos universitarios-Fuentenueva, Granada, A	Spain
Hradek1	"vampire" burial	50.9	14.8	M	H	E1b1b	E1bV65	E1b-V65(BY8832?)	VanekAnthropol2015	1310-1350 AD	1330	1310	1350	Slav_Early	Non-Christian		Hradek nad Nisou, Northern Bohemia	Czech Republic
I3579	sector 2	37.3	-4.01	M	H1e1a6	E1b1b1	E1bZ1919	E1b-Z1919(L618 vs. V22)	OlaldeScience2019	400-600 CE	500	400	600	Iberia_EMA	SE_Iberia_c.5-8CE	Spain_Visigoth_Granada	El Castillón, Montefrío, Granada, Andalusia	Spain
BICS4	4	47.5	18.6	M	H39	E1b1b1b1	E1bZ1919	E1b-L618	SzécsényiNagyProcRSocLondB2015		-5050	-5100	-5000	Balkans_LN	Sopot_LN (early phase)		Bicske-Galagonyás	Hungary
I3948	ZC3 (PZ103-35), 103-3	43.6	16.6	M	N1a1	E1b1b1a1b1	E1bZ1919	E1b-L618*	MathiesonNature2018	6005-5814 calBCE	-5910	-6005	-5814	Balkans_N	Croatia_Cardial_Neolithic	Balkans_Neolithic	Zemunica Cave	Croatia
I1900	VEJ4a	47.1	17.9	M	W1+119	E1b1b1a1b1	E1bZ1919	E1b-L618	LipsonNature2017	4797-4619 calBCE	-4736	-4797	-4619	Lengyel	Lengyel_LN	Hungary_LN_Lengyel	Veszprém Jutasi út	Hungary
I3583	sepultura 80	37.3	-4.01	M	HV0f	E1b1b	E1bZ1919	E1b-L618	OlaldeScience2019	400-600 CE	500	400	600	Iberia_EMA	SE_Iberia_c.5-8CE	Spain_Visigoth_Granada_published	El Castillón, Montefrío, Granada, Andalusia	Spain
Ave07		42.1	2.54	M	U5	E1b1b1a1b	E1bZ1919	E1b-L618	LacanPNAS2011b	7000 yBP	-5050	-5100	-5000	Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La	Spain
SEEurope7	OnlineReport	41.7	26.3			E1b1b1a1b1-L618	E1bZ1919	E1b-L618	ReichLab2020(SE_Europe)		-600	-800	-400	Bulgaria_EIA	Thracian?	Bulgaria_EIA	Kapitan Andreevo-Svilengrad?	Bulgaria
SEEurope6	OnlineReport	41.7	26.3			E1b1b1a1b1-L618	E1bZ1919	E1b-L618	ReichLab2020(SE_Europe)		-600	-800	-400	Bulgaria_EIA	Thracian?	Bulgaria_EIA	Kapitan Andreevo	Bulgaria
K2/6	K2per6	48.3	21.7	M	H5v	E1b1b1a1b1a	E1bV13	E1b-V13	NeparáczkiSciRep2019	895- mid Xth c.	925	895	950	Magyar	Early Magyar Upper Tisza		Karos II/6	Hungary
K1/13	K1per13	48.3	21.7	M	U5b2b3	E1b1b	E1bV13	E1b-V13	NeparáczkiSciRep2019	895- mid Xth c.	925	895	950	Magyar	Early Magyar Upper Tisza		Karos I/13	Hungary
SEEurope5	OnlineReport	41.7	26.3			E1b1b1a1b1a-V13	E1bV13	E1b-V13	ReichLab2020(SE_Europe)		-600	-800	-400	Bulgaria_EIA	Thracian?	Bulgaria_EIA	Kapitan Andreevo	Bulgaria
PCA0110	Mas_23	50.7	23.9			E1b1b1a1b1a	E1bV13	E1b-V13	FiglerowiczStolarek2021	124-257 AD	190.5	124	257	Germanic	Wielbark undetermined	Wielbark_Maslomecz	Masłomęcz	Poland
SzK/239	SzKper239	46.5	20.5			V13	E1bV13	E1b-V13	NeparáczkiSciRep2019	650/660–700/710	675	650	710	Avar	Avar_Middle_Late	Avar_ML	Székkutas-Kápolnadülő/239	Hungary
Yaroslav_Osmomysl		49.1	24.7			E1b1b1 (tooth from	E1bV13	E1b-V13	DNAOnlineGroup2016		1150	1135	1187	Slav_Early	Early East Slav		Halych	Ukraine
TverYDNA29	Number of samples u	56.9	35.9			E1>>V13 "Balkans"	E1bV13	E1b-V13	AlborovaMustafinMFTI2020	12th-13th c.	1200	1100	1300	Slav_East	East Slav		Tver'	Russia
TverYDNA28	Number of samples u	56.9	35.9			E1>>V13 "Balkans"	E1bV13	E1b-V13	AlborovaMustafinMFTI2020	12th-13th c.	1200	1100	1300	Slav_East	East Slav		Tver'	Russia
ELW018		49	10.1	M	T1a1b		E1bV13	E1b-CTS8814(xS3003)	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern		Ellwangen	Germany
I7498	Sepultura 9 (no. 8016	37.8	-2.54	M	H3a1	E1b1b1a1b1a	E1bV13	E1b-CTS5856*	OlaldeScience2019	1000-1100 CE	1050	1000	1100	Iberia_Muslim	Muslim	Spain_Muslim_Zira	Cueva Romero, Huéscar, Granada, Andalusia	Spain
I10853	SJR'15-1796	42.1	2.87	M	U4a1	E1b1b1a1b1	E1bV13	E1b-CTS5856	OlaldeScience2019	993-1155 calCE	1074	993	1155	Iberia_MA	North East Iberia Medieval	Spain_Medieval_published	Sant Julià de Ramis, Girona, Catalonia	Spain
R1219	RMPR-1219	41.9	12.5	M	H11a	E-V13	E1bV13	E1b-BY6250*	AntonioScience2019	1421-1469 calCE	1442	1421	1469	Italy_Renaissance	Rome_Medieval/EarlyModern	Italy_Medieval_EarlyModern_oCent	Cancelleria	Italy
I7457	CEF0010/UEI211	37	-3.99	M	H3+152	E1b1b1a1b1a	E1bV13	E1b-BY5022	OlaldeScience2019	1100-1300 CE	1200	1100	1300	Iberia_Muslim	Muslim	Spain_Muslim_Almohade	Casa Cuartel Guardia Civil, Alhama de Granada, C	Spain
R107	RMPR-107	41.9	12.5	M	T2h	E-V13	E1bV13	E1b-Y19527(xBY5505,xBY5522)	AntonioScience2019	400-600 CE	500	400	600	Italy_LA	Late Antiquity Rome	Italy_LA.SG	Crypta Balbi	Italy
CL38	COL006.A0101	45.1	7.58	M	X2	E1b1b1a1b1a3	E1bV13	E1b-BY3880	AmorimNatCommun2018	580-630 CE	605	580	630	Germanic	Longobard Kingdom	Italy_North_EarlyMedieval_Langoba	Collegno, Italy	Italy
scy197	K50B1S1, KX977312.1	46.7	29.8	M	U5a1a1	R1b1a1a2	E1bV13	E1b-BY6357*	KrzewińskaSciAdv2018	400-150 BCE	-275	-400	-150	Scythian	Western Scythian	Moldova_Glinoe_Scythian.SG	Glinoe	Moldova
KNT001	K1/16_1f	41.4	68.8	M	I1c1	E1b1b1a1b1a (E-V13)	E1bV13	E1b-CTS9320(xBY20093)	GnecchiRusconeSciAdv2021	245-343 calAD	294	245	343	Steppe_Central_Nomad_I	Otrar-Karatau culture	Konyr_Tobe_300CE	K1/16_1f	Kazakhstan
SNN001	SSSN 02 1077	40.7	8.56	M	U5a1d2a	E1b1b1a1b1	E1bV13	E1b-CTS9320	MarcusNatCommun2020	1302-1398 calCE	1347	1302	1398	Sardinia_MA	Sardinia Medieval	Italy_Sardinia_Medieval	Sassari, SAS	Italy
HU53		47.2	18.4	M	H1c1	E1b1b1a1b1a	E1bV13	E1b-BY4992	NagyEurJHumGenet2020, first appeared in Olasz2018	N/A	1200	1100	1300	Magyar	Hungarian Early Middle Ages		Saint Stephen Basilica, Székesfe	Hungary
LIB11_1		49.8	16.9		H36*		E1bV13	E1b-L241*	UniFribourg2021	mid-5th c.	450	425	475	CEU_EMA	Moravia Antiquity		Břeclav – Libivá, Czech Republic, Hrob 15	Czech Republic
KRA005	276-2a	51.7	11.8	M	H23	E1b1b1a1b1a	E1bV13	E1b-S3003	ParkerSciRep2020	1170-1258 calAD	1214	1170	1258	CEU_Medieval	Germany Medieval		Wüstung Krakau bei Peißen, Saxony-Anhalt	Germany
VK362	Denmark_Bogovej LM	54.9	10.7	M	V7b	E1b1b1a1b1a	E1bV13	E1b-CTS5856(Z16663*?)	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Viking Denmark	Denmark_Viking.SG	Langeland	Denmark
I12031	PH'06-1172	42	2.81	M	H1e2	E1b1b1a1b1a	E1bV13	E1b-BY28635(xBY188918)	OlaldeScience2019	500-700 CE	600	500	700	Iberia_Roman	North East Iberia Roman	Spain_Girona_Visigoth	Pla de l'Horta, Sarrià de Ter, Girona, Catalonia	Spain
I12029	PH'06-1144	42	2.81	M	U5a1a1d	BT	E1bV13	E1b-BY28635(xBY188918)	OlaldeScience2019	500-700 CE	600	500	700	Iberia_Roman	North East Iberia Roman	Spain_Girona_Visigoth_father.or.son	Pla de l'Horta, Sarrià de Ter, Girona, Catalonia	Spain
I19132	R57	21.1	30.6	M	H2a	E1b1b1a1b2	E1bV22	E1b-V22	SirakbioRxiv2021	650-1000 CE	825	650	1000	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I6139	R124	21.1	30.6	M	K1a19	E1b1b1a1b2	E1bV22	E1b-V22	SirakbioRxiv2021	1270±22 BP, UGAMS	680	658	702	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I13980	G02.01; Ind. 12	-3.48	35.3	M	HV1b1	E1b1b1a1b2; E-V22	E1bV22	E1b-V22	PrendergastScience2019	776-487 calBCE	-637	-776	-487	Africa_East_Pastoralist	PN (other)	Tanzania_PN	Gishimangeda Cave	Tanzania
I8808	JW1.01	-0.07	34.7	M	L4b2a2c	E1b1b1a1b2; E-V22	E1bV22	E1b-V22	PrendergastScience2019	84-211 calCE	157	84	211	Africa_East_Pastoralist	LSA	Kenya_LSA	Jawuoyo Rockshelter	Kenya
JK2888	1573	29.9	31.2		U6a2	E1b1b1a1b2	E1bV22	E1b-V22	SchuenemannNatCommun2017	151 calBCE - 23 calCE	-47	-151	23	Egypt_Ptolemaic	Ptolemaic period	Egypt_Ptolemaic_contam	Abusir el-Meleq	Egypt
BUR002	AT-536	47.8	102	M	U2e1	E1b1b1a1b2 (E-V22; E-L677)	E1bV22	E1b-BY7758	JeongCell2020		-5	-150	120	Xiongnu	Late Xiongnu	Mongolia_Late Xiongnu	Tamiryn Ulaan Khoshuu (Burkh Circular grave	Mongolia
SI-38	SI-38	33.6	35.4	M	J1b4a1	E-L677	E1bV22	E1b-L1250	HaberAJHG2019	1000-1300 CE	1150	1000	1300	Levant_MA	Lebanon Middle Ages	Lebanon_Medieval.SG	Sidon	Lebanon
DA65	Kyr 33	41.5	75.8	M	N9a9	E-V22	E1bV22	E1b-L1250(xPH2503, etc.)	DamgaardNature2018	265-547 calCE	456	265	547	Hun	TianShan Hun	Kyrgyzstan_TianShan_Hun.SG	Tian Shan	Kyrgyzstan
Ramesses_III	Ramesses III	25.7	32.6	M		E1b1a	E1bV22	E1b-PH2818	HawassBMJ2012	reigned ca. 1186-11	-1170	-1186	-1155	Egypt_BA	Royal Egypt		KV11, Valley of the Kings	Egypt
SZ18	SZO016.A0101	46.3	17.9	M	H13a1a2	E1b1b1a1b2(a4b?)	E1bV22	E1b-FT198679	AmorimNatCommun2018	412-604 CE	508	412	604	Germanic	Longobard migration	Hungary_Langobard_o2	Szólád, Hungary	Hungary
MummyEgypt4	I, 1a 5302, lady Tashe	26.6	31.8	M	N5	E1b1b1a1b2a4b5a	E1bV22	E1b-BY6800	YatsishinaCrystallogrRep2021	7th-4th c. BC	-500	-700	-300	Egypt_Pre_Ptolemaic_Pto	Pre-Ptolemaic Period		Akhmim, Upper Egypt	Egypt
I4246	RISE697, sample #7, R	40.4	-3.5	M	M1a1b1	E1b1b1a(xE1b1b1a1	E1bSK863*	E1b-pre-SK863	OlaldeScience2019	2401-2146 calBCE	-2259	-2401	-2146	Bell_Beaker	C_Iberia_CA_Afr	Spain_BellBeaker_oAfrican_publishe	Camino de las Yeseras, San Fernando de Henares	Spain
I15940	2479, Tomb E	40.6	8.32	M	M1a1b1	E1b1b1a	E1bSK863*	E1b-pre-SK863	FernandesNatEcolEvol2020	2397-2146 calBCE	-2253	-2397	-2146	Sardinia_Ch	Sardinia_Bell_Beaker	Italy_Sardinia_C_oAfrican	Sardinia, Anghelu Ruju	Italy
I0861	Nat10	32.7	35.1	M	J2a2	E1b1b1b2	E1bCTS10298	E1b-CTS10298	LazaridisNature2016	12000-9500 BCE	-10750	-12000	-9500	Levant_HG	Israel_Natufian	Israel_Natufian_published	Raqefet Cave	Israel
I1414	AG84/1	32	36	M	K1a18	E1b1b1b2	E1bCTS10298	E1b-CTS10298	LazaridisNature2016	8300-7900 BCE	-8100	-8300	-7900	Levant_N	PPNB	Jordan_PPNB_published	'Ain Ghazal	Jordan
I12472	Grave 204, single buri	34.8	72.3	M	M65a+@16311	E1b1b1b2	E1bCTS10298	E1b-CTS10298	NarasimhanPattersonScience2019	1000-800 BCE	-900	-1000	-800	SPGT	Katelai_IA	Pakistan_MIA_LIA_published	Swat Valley, Katelai	Pakistan
I1072	NAT9	32.7	35.1	M	N1b	E1b1b1b2(xE1b1b1b2	E1bCTS10298	E1b-CTS10298	LazaridisNature2016	12000-9500 BCE	-10750	-12000	-9500	Levant_HG	Israel_Natufian	Israel_Natufian_contam_published	Raqefet Cave	Israel
I1171	S1171.E1.L1	33	35.3	M	K	E1b1b1b2	E1bCTS10298	E1b-CTS10298	HarneyNatCommun2018	4500-3500 BCE	-4000	-4500	-3500	Levant_CA	Israel Chalcolithic	Israel_C	Peqi'in Cave	Israel
I10551	UfaNov17-024, Farkho	37.5	69.4	M	n/a (<2x)	E1b1b	E1bZ830	E1b-CTS10298	NarasimhanPattersonScience2019	3000-2000 BCE	-2500	-3000	-2000	Turan_BA	Farkhor_BA	Tajikistan_BA_Farkhor_lc	Farkhor	Tajikistan
I8759	NS2017.02.01	-0.46	36.1	M	L3x1a	E1b1b1b2b; E-V1515 (probably E-M293 but not covered)	E1bCTS10880	E1b-CTS10880(M293?)	PrendergastScience2019	795-592 calBCE	-743	-795	-592	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN_published	Naishi Rockshelter	Kenya
XAR002	Burial 2	-18.4	21.9	M	L0k1a2	E1b1b1b2b(EM293,ECTS10880)	E1bCTS10880	E1b-CTS1177	WangSciAdv2020	700-1000 CE	850	700	1000	Africa_South_EIA	south Afr. Foragers/Bantu-related	Botswana_Xaro_EIA	Xaro	Botswana
I8923	RC499.01	-0.46	36	M	M1a1b	E1b1b1b2b2; E-V1486 (probably E-M293 but not covered)	E1bCTS10880	E1b-CTS1177(M293?)	PrendergastScience2019	748-411 calBCE	-558	-748	-411	Africa_East_Pastoralist	PN (Elmenteitan)	Kenya_PastoralN_Elmenteitan_o	Rigo Cave (GrJh3)	Kenya
I13977	G2.01; Ind. 9	-3.48	35.3	M	L0f2a1	E1b1b1b2b2; E-V1486 (probably E-M293 but not covered)	E1bCTS10880	E1b-CTS1177(M293?)	PrendergastScience2019	47 calBCE - 113 calCE	26	-47	113	Africa_East_Pastoralist	PN (other)	Tanzania_PN	Gishimangeda Cave	Tanzania
I13972	GA.01; Ind. 17	-3.48	35.3	M	T2+150	E1b1b1b2b2; E-V1486 (probably E-M293 but not covered)	E1bCTS10880	E1b-CTS1177(M293?)	PrendergastScience2019	245-368 calCE	303	245	368	Africa_East_Pastoralist	PN (other)	Tanzania_PN	Gishimangeda Cave	Tanzania
I12391	GvJh54.01	-1.33	35.9	M	L3h1a2a1	E1b1b1b2b; E-V1515	E1bCTS10880	E1b-Z1267	PrendergastScience2019	892-992 calCE	941	892	992	Africa_East_Pastoralist	PIA	Kenya_IA_Pastoral_contam	Kasiole 2 burial (GvJh54)	Kenya
LUK001	DA-GvJm202-0317-01	-1.47	37.1	M	L4b2a2b	E1b1b1b2b(EM293,ECTS10880)	E1bCTS10880	E1b-Z1267	WangSciAdv2020	1728-1508 calBCE	-1618	-1728	-1508	Africa_East_N	east Afr. Pastoralists	Kenya_LukenyaHill_PastoralN	Lukenya Hill, GvJm 202	Kenya
I12398	RC266.01	-0.46	36	M	L3f	E1b1b1b2b2a1; E-M293	E1bCTS10880	E1b-M293	PrendergastScience2019	767-519 calBCE	-639	-767	-519	Africa_East_Pastoralist	PN (Elmenteitan)	Kenya_PastoralN_Elmenteitan	Rigo Cave (GrJh3)	Kenya
I12384	OK1.01	-0.26	36.4	M	L3d1d	E1b1b1b2b2a1; E-M293	E1bCTS10880	E1b-M293	PrendergastScience2019	215-326 calCE	270	215	326	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN	Ol Kalou	Kenya
MOL001	DA-MOL-0317-001f	-0.34	36.1	M	L3h1a2a1	E1b1b1b2b	E1bCTS10880	E1b-M293	WangSciAdv2020	437-600 calCE	546	437	600	Africa_East_N	east Afr. Pastoralists	Kenya_MoloCave_PastoralN	Molo Cave, GoJi3	Kenya
I0595	PYS13-403, PYS13-401	-3.7	39.7	M	L4b2a2	E1b1b1b2	E1bCTS10880	E1b-M293	SkoglundCell2017	1445-1626 calCE	1516	1445	1626	Africa_East_MA	Kenya_MA	Kenya_400BP	Panga ya Saidi, Kenya	Kenya
HYR002	DA-GrJj25-0317-014	-0.28	36.1	M	L5a1b	E1b1b1b2b	E1bCTS10880	E1b-M293	WangSciAdv2020	513-386 calBCE	-416	-513	-386	Africa_East_N	east Afr. Pastoralists	Kenya_HyraxHill_PastoralN	Hyrax Hill, GrJj25	Kenya
I8920	NV7.01	-0.66	36.4	M	L3h1a1	E1b1b1b2b2a1; E-M	E1bCTS10880	E1b-M293	PrendergastScience2019	405-375 calBCE	-388	-405	-375	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN_published	Naivasha Burial Site	Kenya
I8922	RC44.01	-0.46	36	M	L4b2a2c	E1b1b1b2b2a1; E-M	E1bCTS10880	E1b-M293	PrendergastScience2019	800 BCE - 600 CE	-100	-800	600	Africa_East_Pastoralist	PN (Elmenteitan)	Kenya_PastoralN_Elmenteitan	Rigo Cave (GrJh3)	Kenya
I13762	G1.01; Ind. 7	-3.48	35.3	M	L3i2	E1b1b1b2b2a1; E-M	E1bCTS10880	E1b-CTS2297	PrendergastScience2019	800 BCE - 400 CE	-200	-800	400	Africa_East_Pastoralist	PN (other)	Tanzania_PN_IA_o	Gishimangeda Cave	Tanzania
I8918	NV4.01	-0.66	36.4	M	L3x1a	E1b1b1b2b2a1; E-M	E1bCTS10880	E1b-CTS2297	PrendergastScience2019	382-206 calBCE	-282	-382	-206	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN	Naivasha Burial Site	Kenya
I12379	GvJh122.01	-1.4	36	M	L3h1a2a1	E1b1b1b2b2a1; E-M293	E1bCTS10880	E1b-Z1258	PrendergastScience2019	1527-1662 calCE	1626	1527	1662	Africa_East_Pastoralist	PIA/recent	Kenya_Historic_2	Emurua Ole Polos Cairns (GvJh 122)	Kenya
I8809	KFRA5.1.01	0.46	36.7	M	M1a1	E1b1b1b2b2a1; E-M293	E1bCTS10880	E-Z1092	PrendergastScience2019	1111-931 calBCE	-1017	-1111	-931	Africa_East_Pastoralist	PN (other)	Kenya_PastoralN	Kisima Farm A5 (Porcupine Cave)	Kenya
I6138	R101	21.1	30.6	M	H2a	E1b1b1b2b3a	E1bCTS10880	E1b-V6	SirakbioRxiv2021	1270±22 BP, UGAMS	680	658	702	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
I6331	R93	21.1	30.6	M	H2a	E1b1b1b2b3a	E1bCTS10880	E1b-V6	SirakbioRxiv2021	1210±22 BP, UGAMS	740	718	762	Sudan_MA	Christian Period Nubia		Kulubnarti	Sudan
ALN008	Alai / Nura I, II, Tuyuk	41.4	71.5	M	D4j	E1b1b1b2a(E-M123)	E1bPF1962	E1b-pre-FT167798	GnecchiRusconeSciAdv2021	2nd-4th c. CE	250	100	400	Steppe_Central_Nomad_I	Alai_Nura_300CE	Alai_Nura_300CE	Alai / Nura I, II, Tuyuk II Burials	Kyrgyzstan
DA19	PD51	51.3	78.1	M	U7a4	E	E1bPF1962	E1b-pre-FT167798	DamgaardNature2018	810-542 calBCE	-681	-810	-542	Scythian_Saka	Central Saka	Kazakhstan_CentralSaka_o2.SG	Central steppe	Kazakhstan
I3262	Grave 26, Individual 1	34.7	72.3	M	H14a	E1b1b1b2a	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	982-828 calBCE	-934.5	-976	-893	SPGT	Udegram_IA	Pakistan_Udegram_IA_father.or.son	Swat Valley, Udegram	Pakistan
I1992	Grave 29, Individual 1	34.7	72.3	M	H2a2	E1a	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1203-941 calBCE	-1028.5	-1079	-978	SPGT	Udegram_IA	Pakistan_Udegram_IA_o	Swat Valley, Udegram	Pakistan
I6197	Grave 4, Individual 2,	34.7	72.3	M	M65a	E1b1b1b2	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1200-800 BCE	-1000	-1200	-800	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I1985	Grave 10, Individual 1	34.7	72.3	M	M	E1b1b1b2a	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1107-913 BCE (2837	-1095	-1192	-998	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I1799	Grave 5, Individual 1	34.7	72.3	M	T2a1b	E1b1b1b2	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1124-984 BCE (2876	-983	-1044	-922	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I6194	Grave 5, Individual 2	34.7	72.3	M	U8b1a	E1b1b1b2	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1200-800 BCE	-1000	-1200	-800	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I6900	Grave 3, Individual 1	34.7	72.3	M	..	E1b1b1b2	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	1402-1125 calBCE	-1263	-1400	-1126	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I6899	Grave 1, Individual 1	34.7	72.3	M	..	E1b1b1b2	E1bPF1962	E1b-FT377116	NarasimhanPattersonScience2019	915-808 BCE (2715±	-861	-915	-808	SPGT	Udegram_IA	Pakistan_Udegram_IA	Swat Valley, Udegram	Pakistan
I2085	Gonur 2004 Area 8 cis	38.2	62	M	HV1a'b'c	E1b1b1	E1bPF1962	E1b-M34(xL795)	NarasimhanPattersonScience2019	2020-1882 calBCE	-1931	-2020	-1882	BMAC	Gonur_BA_1	Turkmenistan_Gonur_BA_1	Gonur	Turkmenistan
I12221	GC4	39.2	9.16	M	U5a2b3	E1b1b1b2	E1bPF1962	E1b-M34(xL795;xFGC61682, x	FernandesNatEcolEvol2020	892-994 calCE	945	892	994	Sardinia_EMA	Sardinia_EarlyMedieval	Italy_Sardinia_EarlyMedieval_publis	Sardinia, Sant'Elia Cape, Grotta Colombi	Italy
RISE416	#14	40.1	45.3	M	K1a17	CT	E1bPF1962	E1b-L795(xB406)	AllentoftNature2015	1616-1443 calBCE	-1527	-1616	-1443	Armenia_MLBA	Nerquin_Getashen_MLBA	Armenia_MBA.SG	Nerquin Getashen	Armenia
I3346	R15	30.3	79.7	M	M30c	E1b1b1	E1bPF1962	E1b-L795	HarneyNatCommun2019	707-888 calCE	821	707	888	India_Medieval	India_Medieval	India_RoopkundA	Roopkund Lake	India
Bakhchisaray4		44.8	33.9			E1b1b1b2a1a(CTS4483)	E1bPF1962	E1b-L795	SirotinIARAN2019	14th-15th c.	1400	1300	1500	Crimea_Khanate	Crimea_Khanate	Crimea_Khanate	Bakhchisaray	Ukraine
RISE423	#21	40.1	45.3	M	T2a3	E1b1b1b2a	E1bPF1962	E1b-S11956(xS11168;xY14899	AllentoftNature2015	1407-1211 calBCE	-1301	-1407	-1211	Armenia_MLBA	Nerquin_Getashen_MLBA	Armenia_MBA.SG	Nerquin Getashen	Armenia
I3404	R40	30.3	79.7	M	H12	E1b1b1b2a	E1bPF1962	E1b-FGC18401	HarneyNatCommun2019	1697-1910 calCE	1800	1697	1910	India_Modern	India_Modern	India_RoopkundB	Roopkund Lake	India
I3966	S3966.E1.L1	33	35.6	M	R0a2	E1b1b1b2a1	E1bPF1962	E1b-S21355(xBY11025; etc.)	AgranatTamirCell2020	1800-1600 BCE	-1700	-1800	-1600	Levant_South_MLBA	Hazor MBII-II	Israel_MLBA	Hazor	Israel
MJ-40	UT-87-15	52.5	58.5	M	U5a2+16294	E2b1-PF6746	E1bPF1962	E1b-PF6747	JärveCurrBiol2019	396-207 calBCE	-304	-396	-207	Scythian_Sarmatian	Scythian_Sarmatian Southern Urals	Russia_EasternScythian_SouthernUr	Manhar-2	Russia
ETM010	TM.98.CC.113	35.8	36.8	M	J1b1b1	E1b1b1b2a1a1~	E1bPF1962	E1b-S1896	SkourtaniotiCell2020	2700-2500 BCE	-2600	-2700	-2500	Levant_North_EMBA	Ebla_EMBA	Syria_Ebla_EMBA	Idlib Governorate	Syria
ART015	S216 Cr3; merged wit	38.4	38.4	M	U1a1d	E1b1b1b2a1a1~	E1bPF1962	E1b-S1896*	SkourtaniotiCell2020	3482-3104 calBCE	-3262	-3482	-3104	Anatolia_East_LC	Arslantepe_LC	Turkey_Arslantepe_LateC	Malatya Province	Turkey
Bonaparte		41.9	8.74	M		E1b1b1b2a1d	E1bPF1962	E1b-L791	LucotteIntJSci2013	1821 AD	1821	1811	1831	France_recent	Napoleon Bonaparte			France
VK474	Gotland_Kopparsvik-1	57.6	18.3	M	J1d	E1b1b1b2a1a4	E1bPF1962	E1b-Y4971(Y4972*?)	MargaryanNature2020	900-1050 CE	975	900	1050	Viking	Viking Sweden	Sweden_Viking.SG	Gotland	Sweden
IAM.4.plus.5	IAM10S4.5, IAM10S5	31.8	-7.09	M	U6a1b	E-L19*	E1bL19	E1b-L19	FregelPNAS2018	5211-5010 calBCE	-5113	-5211	-5010	North_Africa_N	Morocco_EN	Morocco_EN.SG	Ifri n'Amr or Moussa	Morocco
IAM.7	IAM10S7 + IAM10S7.(	31.8	-7.09	M	U6a3	E1b1b1	E1bL19	E1b-L19	FregelPNAS2018	5007-4805 calBCE	-4921	-5007	-4805	North_Africa_N	Morocco_EN	Morocco_EN.SG	Ifri n'Amr or Moussa	Morocco
I3807	Individuo 34	37	-3.55	M	U6a2	E1b1b1	E1bL19	E1b-L19(xM81; PF2423?)	OlaldeScience2019	1500-1600 CE	1550	1500	1600	Iberia_Muslim	Muslim (Morisco)	Spain_NazariPeriod_Muslim	Nécropolis de Torna Alta, Mondújar (Lecrín), Gra	Spain
SP79269		43.8	4.36	M	H1	E1b1b1b	E1bM81	E1b-M81	GleizePLoSONE2016	637-765 AD	702	637	765	France_Muslim	Islamic		Nimes	France
gun002	gun002	28.3	-16.6	M	H1cf	E1b1b1a1	E1bM81	E1b-M81	RodriguezVarelaCurrBiol2017	1031-1159 calCE	1099	1031	1159	Canarias_Guanche	Guanche_mummy	Canary_Islands_Guanche.SG	Tenerife	Spain
SP7089		43.8	4.36	M	K1a4a	E1b1b1b	E1bM81	E1b-M81	GleizePLoSONE2016	637-765 AD	702	637	765	France_Muslim	Islamic		Nimes	France
SP7080		43.8	4.36	M	L1c3a	E1b1b1b	E1bM81	E1b-M81	GleizePLoSONE2016	637-765 AD	702	637	765	France_Muslim	Islamic		Nimes	France
ELW036		49	10.1	M	T1		E1bM81	E1b-M81(xPF2548)	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern		Ellwangen	Germany
Tenerife1		28.5	-16.3			E-M81	E1bM81	E1b-M81	FregelBMCEvolBiol2009	2210 ± 60 to 1720 ±	35	-217	283	Canarias_Guanche	Guanche		Tenerife	Spain
Gomera2		28.1	-17.2			E-M81	E1bM81	E1b-M81	FregelBMCEvolBiol2009	1743 ± 40 to 1493 ±	332	207	457	Canarias_Guanche	Guanche		Gomera	Spain
Hierro1		27.7	-18			E-M81	E1bM81	E1b-M81	FregelBMCEvolBiol2009	1740 ± 50 to 970 ± 5	595	210	980	Canarias_Guanche	Guanche		Hierro	Spain
GranCanaria4		27.9	-15.5			E-M81	E1bM81	E1b-M81	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	540	1200	Canarias_Guanche	Guanche		Gran Canaria	Spain

Object-ID	Colloquial-Skeletal	Latitu	Longit	Sex	mtDNA-cc	mtFAI	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT	mtree	mt-YF	FTDNA-mt-Haplotree	mt-Sin	mt-S	HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-
GranCanaria3		27.9	-15.5																
GranCanaria2		27.9	-15.5																
GranCanaria5		27.9	-15.5																
GranCanaria1		27.9	-15.5																
I12649	UE 2194	39.5	-0.38	M	168.5	0.15	H13a1a	H13a1a	https://	H13a1a	https://	H>H13>H13a>H13a1>H13a1a	H13	H					HaploGrep2
I7500	Individuo 2	36.7	-3.48	M	8.83	0.22	M1b1a	M1b1a	https://	M1b1a	https://	M>M1'20'51>M1>M1b>M1b1>M1b1a	M1	M					HaploGrep2
gun011	gun011	28.3	-16.6	M	931.6	1	T2c1d2	T2c1d2	https://	T2c1d2	https://	T>T2>T2c>T2c1>T2c1-T146C!>T2c1d>T2c1d-T152C!>T2c1d2	T2	T					..
I12644	UE 1617	39.5	-0.38	M	212.7	0.04	U4a2	U4a2	https://	U4a2	https://	U>U2'3'4'7'8'9>U4'9>U4>U4a>U4a2	U4	U					HaploGrep2
gun012	gun012	28.3	-16.6	M	214.3	0.07	U6b1a	U6b1a	https://	U6b1a	https://	U>U6>U6a'b'd>U6b'd-T16311C!>U6b>U6b1>U6b1a	U6	U					..
R53	RMPR-53	41.7	13.1	M	..	0.47	U2e1c1	U2e1c1*	https://	U2e1c1b	https://	U>U2'3'4'7'8'9>U2>U2-T152C!>U2e>U2e1'2'3>U2e1>U2e1c>U2e1c1	U2	U					YFull
ELW029		49	10.1	M			H11a	H11a	https://	H11a	https://	H>H-T195C!>H11>H11a	H11	H					
Unknown Man E	Pentawere?	25.7	32.6	M															
TAU001	Burial 1	-24.7	25.9	M	5.82	0.33	L0d3b1	L0d3b1	https://	L0d3b1	https://	ROOT>NM>RSRS>L0>L0d>L0d3>L0d3b>L0d3b1	L0	L					
I7427	CEF-43	37.2	-3.59	M		0.17	H1+16189	H1-T16189C!	https://	H1-e	https://	H>H1>H1-T16189C!	H1	H					HaploGrep2
SJN002		19.4	-99.1	M		0.01	L3d1a1a	L3d1a1a	https://	L3d1a1a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>L3c'd>L3d>L3d1'2'3'4'5'6>L3d1>L3d	L3	L					
KIN002	DA-KIN1116-031	-5.09	15.1	M	1.46	0.05	L1c3a1b	L1c3a1b	https://	L1c3a1b	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L1>L1c>L1c3>L1c3a>L1c3a1>L1c3a1b	L1	L				n/a (<2x)	ReichLab_v4
SJN001		19.4	-99.1	M		0.06	L1b2a	L1b2a	https://	L1b2a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L1>L1b>L1b2>L1b2a	L1	L					
NGO001	DA-NGO1216-004	-5.81	15.1	M	0.78	0	L1c3a	L1c3a	https://	L1c3a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L1>L1c>L1c3>L1c3a	L1	L					
XAR001	Burial 1	-18.4	21.9	M	37.94	0.17	L3e1a2	L3e1a2	https://	L3e1a2	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>L3e'i'k'x>L3e>L3e1>L3e1a>L3e1a2	L3	L					
SJN003		19.4	-99.1	M		0.21	L3e1a1a	L3e1a1a	https://	L3e1a1a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>L3e'i'k'x>L3e>L3e1>L3e1a>L3e1a1>	L3	L					
PSS282		48.5	3.6			0.34	U5b1-16189-@16192	U5b1-T16189C!-T16	https://	U5b1-a1	https://	U>U5>U5a'b>U5b>U5b1>U5b1-T16189C!>U5b1-T16192C!	U5	U					Haplofind an
I8802	DEL.01.01	-0.18	35.8	M	73.4	0.01	L5b1	L5b1	https://	L5b1	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L5>L5b>L5b1	L5	L					
I5950	Mota	6.8	38.2	M	..	0.47	L3x2a	L3x2a*	https://	L3x2a2b*	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>L3e'i'k'x>L3x>L3x2>L3x2a>L3x2a2>L	L3	L					YFull
I12533	PJ.01.01	-0.55	36.1	M	..	0.48	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K					
I8892	IK1.01	-0.6	36.4	M	9.37	0.01	L0f2a	L0f2a	https://	L0f2a	https://	ROOT>NM>RSRS>L0a'b'f'g'k>L0a'b'f'g>L0f>L0f2>L0f2a	L0	L					
I6332	S159	21.1	30.7	M		0.19	L2a1d1	L2a1d1	https://	L2a1d1	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L2>L2a'b'c'd>L2a>L2a1'2'3'4>L2a1>L2a1-G143A>L2	L2	L					
I8901	KFRC4.1.01	0.46	36.7	M	..	0.08	L3h1a1	L3h1a1	https://	L3h1a1	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>L3h>L3h1>L3h1a>L3h1a1	L3	L					
S95	S95	37.8	109	M	49.45	0.14	A+152+16362	A-T152C!	https://	A-a1	https://	A>A-T152C!>A-T16362C	A	A				A+152+16362	ReichLab_v4
I4158	UZ-BST-006, Site 5, Gr	37.7	67	M	3.06	0.47	H2	H2	https://	H2	https://	H>H2	H2	H					
I3456	TB ctx 129. Bag ZA-02	45.1	79.4	M		0.53	H2a2	H2a2	https://	H2a2	https://	H>H2>H2a>H2a2	H2	H					..
SCH011	Schwetzingen 107	49.4	8.57	M	..	1	H2a2a1	H2a2a1	https://	H2a2a1	https://	H>H2>H2a>H2a2>H2a2a>H2a2a1	H2	H					
AITI_33		48.2	10.8	M	..	0.71	H2a2a1	H2a2a1	https://	H2a2a1	https://	H>H2>H2a>H2a2>H2a2a>H2a2a1	H2	H					..
ART020	S216 Cr11; merged wi	38.4	38.4	M	..	0.63	J1c16	J1c16	https://	J1c16	https://	J>J1>J1c>J1c16	J1	J	73G 152C 1 221N 222N 228A 15670C 16256T				
I2426	29	43.1	26.8	M	..	0.66	K1	K1	https://	K1	https://	K>K1	K1	K					..
DEB 38		51.9	10.9	M		0.84	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	T16093C A16129G T16187C C16189T T16223C T16224C G1623C				
I6589	Hume 11A, 4559	40.2	-3.76	M	186	0.65	K1a1b1	K1a1b1	https://	K1a1b1	https://	K>K1>K1a>K1a1>K1a1b>K1a1b1	K1	K	n.d.				HaploGrep2
VK304	Sweden_Skara 36	58.4	13.7	M	9.1	0.41	K1a1b1e	K1a1b1e	https://	K1a1b1e	https://	K>K1>K1a>K1a1>K1a1b>K1a1b1>K1a1b1e	K1	K	263G 497T 750G 1189C 1438G 1811G 2706G 348				Haplogrep, K
NiederstotzingenS	NIEcap5, tooth61, 13	48.5	10.2	U	12.97	1	K1a1b2a1a	K1a1b2a1a	https://	K1a1b2a1a	https://	K>K1>K1a>K1a1>K1a1b>K1a1b2>K1a1b2a>K1a1b2a1>K1a1b2a1a	K1	K	770T,11053G				
I7647	LL9, S-EVA 22876	38.7	-0.49	M	5.73	0.93	K1b1a1c	K1b1a1c	https://	K1b1a1c	https://	K>K1>K1b>K1b1>K1b1-x>K1b1a>K1b1a1>K1b1a1c	K1	K					HaploGrep2
I2543	CKA1	-13.7	-74	M	117	0.09	C1d1	C1d1	https://	C1d1	https://	M>M8>CZ>C>C1>C1d>C1d-C194T>C1d1	C1	C				C5b	ReichLab_v4
I12980	Grave 145, single buri	34.8	72.4	M	3.025	0.14	D4j1b	D4j1b	https://	D4j1b	https://	M>M80'D>D>D4>D4j>D4j1>D4j1b	D4	D					..
BAM25	1532.	46.2	18.7	I		0.23	N1a1	N1a1	https://	N1a1	https://	N>N1'5>N1>N1a>N1a1'2>N1a1	N1	N	16147A 16172c 16193t 16223t 16248t 16355t				
XN215	gr. 20/208	48.8	9.18	M	..	0.21	N1a1a1	N1a1a1	https://	N1a1a1	https://	N>N1'5>N1>N1a>N1a1'2>N1a1>N1a1a>N1a1a-T152C!>N1a1a1	N1	N					
I13697	M210-C	24.3	122	M		0.03	R	R	https://	R	https://	N>R	R	R					
I8157	11800	37.2	-4.24	M	20.3	0.18	HV0+195	HV0-T195C!	https://	HV0-a	https://	R>R0>HV>HV0>HV0-T195C!	HV0	HV					HaploGrep2
JK1519		49	10.1	M				T	https://	T	https://	R>R2'JT>JT>T	T	T					
I6120	Gonur tomb 1307 san	38.2	62	M	46	0.13	R2	R2	https://	R2	https://	R>R2'JT>R2	R2	R					..
18R21265	18R21265	37.8	109	M	20.68	1	F1g1	F1g1	https://	F1g1	https://	R>R9>F>F1>F1-T16189C!>F1g>F1g1	F1	F				F1g1	ReichLab_v4
I15160	M198-1	24.3	122	M	5.098	1	F4b1	F4b1	https://	F4b1	https://	R>R9>F>F4>F4b>F4b1	F4	F					
AA7-738		42.9	25.4	M		0.84	M*	M	https://	M	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>M	M	M	73G, 263G, Not in modern: 4730T, 5315G				
BAM17	1483.	46.2	18.7	I		0.36	T1a	T1a	https://	T1a	https://	T>T1>T1a	T1	T	16126c 16163g 16186t 16189c 16294t				
I1727	AG_83_3082	32	36	M	8.89	0.59	T1a2	T1a2	https://	T1a2	https://	T>T1>T1a>T1a-T152C!>T1a2	T1	T					..
BAM26	1533.	46.2	18.7	M		0.39	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	16126c 16294t 16296t 16304c				
I6629	Hume 3A, 146154	40.2	-3.76	M	393	0.23	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	T16126C A16129G T16187C C16189T T16223C G1				HaploGrep2
VK161	Russia_Kurevanikka_	58.8	36.2	M	22.7	0.04	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	73G 263G 709A 750G 930A 1438G 1888A 2706G				Haplogrep, K
I8148	11801	37.2	-4.24	M	18.4	0.24	T2b3+151	T2b3-C151T	https://	T2b3-a	https://	T>T2>T2b>T2b3>T2b3-C151T	T2	T					HaploGrep2
I10769	S10769.E1.L1	32.6	35	M	799.5	0.2	T2c1+146	T2c1-T146C!	https://	T2c1-a	https://	T>T2>T2c>T2c1>T2c1-T146C!	T2	T					..
TOLM 3	2392.	46.4	18.7	U		0.37	T2e	T2e	https://	T2e	https://	T>T2>T2-C150T>T2e	T2	T	16126c 16153a 16294t 16296t				
I6481	F0182	48.7	11.3	M	81.3	0.26	U5a1a1	U5a1a1	https://	U5a1a1	https://	U>U5>U5a'b>U5a>U5a1>U5a1-T16192C!>U5a1a>U5a1a1	U5	U					HaploGrep2
I3209	Q4[-125/-144];CMN2	40.4	-0.12	M		0.49	U5b1d1	U5b1d1	https://	U5b1d1	https://	U>U5>U5a'b>U5b>U5b1>U5b1d>U5b1d1	U5	U					HaploGrep2
VK116	Norway_Trondheim_	63.4	10.4	M	12.7	0.05	U6a3	U6a3	https://	U6a3	https://	U>U6>U6a'b'd>U6a>U6a-T16189C!>U6a3	U6	U	73G 263G 750G 1438G 2706G 3348G 4769G 7028				Haplogrep, K
NE57	AR11K_deleted	46	126	M	3		..												
L5692	M26	26.2	119	M			..												
TIT019	'98 TH 80080	37.5	38.7	U	..														
I6223	AT_59, Grave #1, Buri	50	92.1	M															
MARC481	MARC481	50.7	-57.4	M	..														
F6-620		42.9	25.4	M		0.86	M*	M	https://	M	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L3>M	M	M	73G, 263G, Not in modern: 4730T, 54730T 5315G				Ted Kandell
IKI032	SK 662	41.6	35.9	M	..														
Solt63		46.1	11.1	M		1	H2a2a1	H2a2a1	https://	H2a2a1	https://	H>H2>H2a>H2a2>H2a2a>H2a2a1	H2	H	none (rCRS)				
CCH290	UCIAMS-206232	37.7	32.8	M	0.3655	1	H2a2a1d	H2a2a1d	https://	H2a2a1d	https://	H>H2>H2a>H2a2>H2a2a>H2a2a1>H2a2a1d	H2	H					
VK140	Denmark_Galgedil PT	55.5	10.3	M	72.5	0.49	H27f	H27f	https://	H27f	https://	H>H-G16129A!>H27>H27f	H27	H	263G 750G 1438G 4769G 8860G 11719A 13827G				Haplogrep, K
Solt67		46.1	11.1	M		0.22	J2	J2	https://	J2	https://	J>J2	J2	J	16069T 16126C 16193T 16278T 16290T				
UNTA58_67	UNTA58_67	48.3	10.9	M	..	0.51	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K					KnipperPNAS
I4183	SZEH5a	46	18.3	M	34.5	1	K1b1a	K1b1a	https://	K1b1a	https://	K>K1>K1b>K1b1>K1b1-x>K1b1a	K1	K	16093c 16224c 16311c 16319a				..
AMV-CO_5		39.2	21	M		0.2	W3a1	W3a1	https://	W3a1	https://	N>N2>W>W-C194T>W3>W3a>W3a1	W3	W					
ART004	H238 S156	38.4	38.4	M	..	0.33	H	H	https://	H	https://	R>R0>HV>H	H	H	263G 750G 73N 151N 198N 199N 200N 201N 202N 203N 204N				
MP6		45.9	10.9	M		0.18	HV0	HV0	https://	HV0	https://	R>R0>HV>HV0	HV0	HV	16298C				
PCA0036	Kow_31, ob. 266	52.6	16.8	M		0.11	U5b1d1	U5b1d1	https://	U5b1d1	https://	U>U5>U5a'b>U5b>U5b1>U5b1d>U5b1d1	U5	U					
Solt65b		46.1	11.1	M															
I6670	StPet26, site II, grave	38.3	56.2	M	0.382														
RomIV58		46	11.1	M															
A80410		49.1	44.2	M															
Demetrius3		49.2	44.7	M															
Demetrius4		49.2	44.7	M															
Demetrius2		49.2	44.7	M															
Demetrius5		49.2	44.7	M															
Demetrius1		49.2	44.7	M															
Jagodno1		51.1	17.1																
Greyfriars Skeleton	King Richard III	52.6	-1.14			0.1	J1c2c3	J1c2c3	https://	J1c2c3	https://	J>J1>J1c>J1c2>J1c2c>J1c2c3	J1	J				A12397G	YFull
I0825	10394A, 6245	41.5	2.14	M	112	0.82	K1a4a1	K1a4a1	https://	K1a4a1	https://	K>K1>K1a>K1a4>K1a4a>K1a4a1	K1	K					HaploGrep2
I2014	HAL15a	51.9	11	M	156	0.89	N1a1a1a3	N1a1a1a3	https://	N1a1a1a3	https://	N>N1'5>N1>N1a>N1a1'2>N1a1>N1a1a>N1a1a-T152C!>N1a1a1>N1a1a1a>N1a1a1a3	N1	N	C16147A T16154C T16172C T16187C C16189T G16				..
I2383	HAJE1a	47.9	21.4	M	83.9	0.21	T2b23	T2b23	https://	T2b23	https://	T>T2>T2b>T2b23	T2	T					..
HUGO_169Sk1	HUGO_169Sk1, MF49	48.3	10.9	M	..	0.25	U5a2b3	U5a2b3*	https://	U5a2b-c1*	https://	U>U5>U5a'b>U5a>U5a2>U5a2b>U5a2b3	U5	U	455del.missing 3920T16394C			G9548A	YFull
HBS005	Fnr. 104	51.9	11	M	..	0.23	W	W	https://	W	https://	N>N2>W	W	W					
I7588	SIMA107, Cuadricula	37.2	-4.24	U	133	0.31	J1c1b	J1c1b	https://	J1c1b	https://	J>J1>J1c>J1c1>J1c1b	J1	J					HaploGrep2
IKI006	SK 535	41.6	35.9	M	..														
	593	43.9	3.03	M		0.68	H1	H1	https://	H1	https://	H>H1	H1	H	CRS				
I2746	VSM3a	46.9	21.2	M	44.3	0.92	H26	H26	https://	H26	https://	H>H26	H26	H					..
Ave03		42.1	2.54	M		0.96	H3	H3	https://	H3	https://	H>H3	H3	H	CRS				
	600	43.9	3.03	M		0.68	H3	H3	https://	H3	https://	H>H3	H3	H	CRS				
NogII69		46.1	11.5	M		1	H5a4a	H5a4a	https://	H5a4a	https://	H>H5'36>H5>H5a>H5a4>H5a4a	H5	H	16294T 16304C 16320T				
I12223	GC1	39.2	9.16	M	..	0.09	H+195!	H-T195C!	https://	H	https://	H>H-T195C!	H	H	3107d; 3756G; 16524C			H	ReichLab_v4
	139	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
	612	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
	583	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
	616	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
	587	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
	209	43.9	3.03	M		0.21	J1	J1	https://	J1	https://	J>J1	J1	J	16069T 16126C				
VUKG1	1.	45.3	19	M		0.38	J1c	J1c	https://	J1c	https://	J>J1>J1c	J1	J	16069t 16126c 16302g				
Schw72-17		48.8	7.6	M		0.37	J1c2	J1c2	https://	J1c2	https://	J>J1>J1c>J1c2	J1	J					Haplofind an
NOR2B2		48.4	7.67	M		0.13	J1c-16261	J1c-C16261T	https://	J1c-a	https://	J>J1>J1c>J1c-C16261T	J1	J					Haplofind an
VINK5	13.a	45.3	18.8	M		0.9	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093c 16189c 16224c 16311c				
BAM19	1513.	46.2	18.7	I		0.9	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093c 16224c 16311c				
Ave06		42.1	2.54	M		0.83	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093C; 16224C;16311C				
Ave01		42.1	2.54	M		0.83	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093C; 16224C;16311C				
Ave02		42.1	2.54	M		0.83	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093C; 16224C;16311C				
	604	43.9	3.03	M		0.59	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16224C 16311C				
I1883	TOLM4a	46.4	18.7	M	40.8	1	K1a1a	K1a1a	https://	K1a1a	https://	K>K1>K1a>K1a1>K1a1a	K1	K					..
I8156	11807	37.2	-4.24	M	24.7	0.88	K1a4a1	K1a4a1	https://	K1a4a1	https://	K>K1>K1a>K1a4>K1a4a>K1a4a1	K1	K					HaploGrep2
BOU9		43.5	3.56			0.65	K1a-195	K1a-T195C!	https://	K1a-a4	https://	K>K1>K1a>K1a-T195C!	K1	K					Haplofind an
JK1491		49	10.1	M				K2b1b	https://	K2b1b	https://	K>K2>K2b>K2b1>K2b1b	K2	K					
CSAT24		47.5	18.6	M		0.2	N1a1a1a	N1a1a1a	https://	N1a1a1a	https://	N>N1'5>N1>N1a>N1a1'2>N1a1>N1a1a>N1a1a-T152C!>N1a1a1>N1a1a1a	N1	N	16086c 16147a 16172c 16223t 16248t 16320t 16355t				
	592	43.9	3.03	M		0.42	X2	X2	https://	X2	https://	N>X>X1'2'3>X2	X2	X	16183C 16189C 16223T 16278T				
	636	43.9	3.03	M		0.42	X2	X2	https://	X2	https://	N>X>X1'2'3>X2	X2	X	16183C 16189C 16223T 16278T				
	570	43.9	3.03	M		0.42	X2	X2	https://	X2	https://	N>X>X1'2'3>X2	X2	X	16189C 16223T 16278T				
	615	43.9	3.03	M		0.42	X2	X2	https://	X2	https://	N>X>X1'2'3>X2	X2	X	16183C 16189C 16223T 16278T				
I2111	5.V5a-H5	48.5	25.5	M	40.8	0.22	HV	HV	https://	HV	https://	R>R0>HV	HV	HV					..
BAM11	1372.	46.2	18.7	M		0.44	H	H	https://	H	https://	R>R0>HV>H	H	H					
CSAT18		47.5	18.6	M		0.38	H	H	https://	H	https://	R>R0>HV>H	H	H	16129a				
PdVT3		45.9	10.9	M		0.16	HV0	HV0	https://	HV0	https://	R>R0>HV>HV0	HV0	HV	16298C				
I17482	S94b	21.1	30.7	M		0.49	L1b1a2a	L1b1a2a	https://	L1b1a2a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L1>L1b>L1b1>L1b1a>L1b1a2>L1b1a2a	L1	L					
Ave05		42.1	2.54	M		0.36	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	16126C; 16294T;16296T; 16304C				
	588	43.9	3.03	M		0.25	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	16126C 16294T 16296T 16304C				
	584	43.9	3.03	M		0.25	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	16126C 16294T 16296T 16304C				
RomIIIT12E-a		46	11.1			0.23	T2c1	T2c1	https://	T2c1	https://	T>T2>T2c>T2c1	T2	T	16126C 16292T 16294T 16296T				
BOU1		43.5	3.56			1	U2e1c1	U2e1c1	https://	U2e1c1	https://	U>U2'3'4'7'8'9>U2>U2-T152C!>U2e>U2e1'2'3>U2e1>U2e1c>U2e1c1	U2	U					Haplofind an
BAM04	0745.	46.2	18.7	I		0.53	K	K	https://	K	https://	U>U2'3'4'7'8'9>U8>U8b'c>U8b>K	K	K	16224c 16311c				
KV46Y	Yuya,Yuaa, Yaa, Yuy	25.7	32.6	M		0.23	K	K	https://	K	https://	U>U2'3'4'7'8'9>U8>U8b'c>U8b>K	K	K					
	137	43.9	3.03	M		0.17	U5	U5	https://	U5	https://	U>U5	U5	U	16224C 16270T 16311C				
	579	43.9	3.03	M		0.17	U5	U5	https://	U5	https://	U>U5	U5	U	16224C 16270T				
	195	43.9	3.03	M		0.17	U5	U5	https://	U5	https://	U>U5	U5	U	16192T 16270T				
	575	43.9	3.03	M		0.17	U5	U5	https://	U5	https://	U>U5	U5	U	16227G 16256T 16270T 16362TC				
	611	43.9	3.03	M		0.31	U5b1c	U5b1c	https://	U5b1c	https://	U>U5>U5a'b>U5b>U5b1>U5b1-T16189C!>U5b1c	U5	U	16189C 16192T 16270T 16311C				
A80307		43	44.3	M															
244E		48.6	12.2	M															
244F		48.6	12.2	M															
Khazar457		47.2	41.4	M															
YaroslavlYDNA29		57.6	39.9																
TUC005	TUC005.B0101.TF1.1	50.1	14.3	M			H1j	H1j	https://	H1j	https://	H>H1>H1j	H1	H					
DEB 34II		51.9	10.9	M		0.23	W	W	https://	W	https://	N>N2>W	W	W	T16093C A16129G T16187C C16189T G16230A T16278C C1629				
TOU001	TOU001.A0101.TF1.1	50.2	14.7	M			HV0a	HV0a	https://	HV0a	https://	R>R0>HV>HV0>HV0a	HV0	HV					
VPR001	VPR001.A0101.TF1.1	50.2	14.3	M			U5a2d	U5a2d	https://	U5a2d	https://	U>U5>U5a'b>U5a>U5a2>U5a2d	U5	U					
ANI160	VAR127	43.2	27.9	M	..	1	H1ag	H1ag	https://	H1ag	https://	H>H1>H1ag	H1	H					..
I2395	PULE1.9a	47.5	20.5	M	31.1	0.85	H26	H26	https://	H26	https://	H>H26	H26	H					..
LGCS4	1810.	46	18.6	M		0.9	K1a	K1a	https://	K1-a	https://	K>K1>K1a	K1	K	16093c 16189c 16224c 16311c				
HBS004	Fnr. 5	51.9	11	M	..	1	K1a4a1e	K1a4a1e	https://	K1a4a1e	https://	K>K1>K1a>K1a4>K1a4a>K1a4a1>K1a4a1e	K1	K					
PCA0040	Kow_35, ob. 265	52.6	16.8	M		0.49	I4a	I4a	https://	I4a	https://	N>N1'5>N1>N1a1'2>N1a1>N1a1b>I>I4>I4a	I4	I					
LGCS1	1661.	46	18.6	M		0.25	W	W	https://	W	https://	N>N2>W	W	W	16093c 16223t 16292t				
BAM13	1435.	46.2	18.7	I		0.64	X2	X2	https://	X2	https://	N>X>X1'2'3>X2	X2	X	16183C 16189c 16223t 16278t				
BUD 4	290.	47.5	18.9	M		0.32	T1a	T1a	https://	T1a	https://	T>T1>T1a	T1	T	16126c 16163g 16186t 16189c 16294t				
I7587	SIMA10.181, Cuadricu	37.2	-4.24	U	43	0.24	T2b3+151	T2b3-C151T	https://	T2b3-a	https://	T>T2>T2b>T2b3>T2b3-C151T	T2	T				T2b3	HaploGrep2
I2356	PULE1.22a	47.5	20.5	M	74.2	0.34	T2c1	T2c1	https://	T2c1	https://	T>T2>T2c>T2c1	T2	T				T2c1+146	ReichLab_v4
K2/33	K2per33	48.3	21.7	M		0.06	U4a1b1	U4a1b1*	https://	U4a1b1c	https://	U>U2'3'4'7'8'9>U4'9>U4>U4a>U4a1>U4a1b>U4a1b1	U4	U					YFull
TOLM 4	1649.	46.4	18.7	U		0.5	K	K	https://	K	https://	U>U2'3'4'7'8'9>U8>U8b'c>U8b>K	K	K	16224c 16311c				
I1893	ALE14a	46.2	18.7	M	..	0.31	U8b1b	U8b1b	https://	U8b1b	https://	U>U2'3'4'7'8'9>U8>U8b'c>U8b>U8b1>U8b1b	U8	U					..
IKI019	SK 599	41.6	35.9	M	..														
KO_57		52.6	16.8																
Bar31	L11W-546	40.3	29.6	M	..	0.87	X2m	X2m	https://	X2m	https://	N>X>X1'2'3>X2>X2-G225A>X2m'n>X2m	X2	X					
KRD002	TK_24_3	36.3	36.4	M	..		..									3891N 3892N 3893N 3894N 3916N 3917N 4963N 4			
PCA0027	KO_22, Kow_22, ob. 2	52.6	16.8	M		0.3	H1a	H1a	https://	H1a	https://	H>H1>H1a	H1	H					
I1926	1V1a-H1	48.7	25.9	M	408	1	H5a	H5a	https://	H5a	https://	H>H5'36>H5>H5a	H5	H					..
I1295	MP13, Burial 18; inve	44	26.4	M	..	0.39	J1c	J1c	https://	J1c	https://	J>J1>J1c	J1	J					..
MIG012	MIG012.B0101.TF1.1	50	15.8	M			J1c1b1a	J1c1b1a	https://	J1c1b1a	https://	J>J1>J1c>J1c1>J1c1b>J1c1b1>J1c1b1a	J1	J					
I2744	CEG07b	47.2	19.9	M	208	0.38	J2b1	J2b1	https://	J2b1	https://	J>J2>J2b>J2b1	J2	J					..
GRG023	GLN 231A	48	3.56	M	..	0.37	J2b1a	J2b1a	https://	J2b1a	https://	J>J2>J2b>J2b1>J2b1a	J2	J					
Bar25		40.3	29.6	M		0.25	N1a1a1	N1a1a1	https://	N1a1a1	https://	N>N1'5>N1>N1a>N1a1'2>N1a1>N1a1a>N1a1a-T152C!>N1a1a1	N1	N				73, 152, 199, Qual: 0.9053	
I3879	MP6, Burial 10; inven	44	26.4	M	155	0.45	H	H	https://	H	https://	R>R0>HV>H	H	H					..
I2743	CEG03b	47.2	19.9	M	20.2	0.41	H	H	https://	H	https://	R>R0>HV>H	H	H					..
I1882	BUD4a	47.5	18.9	M	138	0.33	T1a	T1a	https://	T1a	https://	T>T1>T1a	T1	T					..
I2110	4.V4a-H4	48.5	25.5	M	37.3	0.29	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T					..
I9130	16V Tholos	35.1	24.8	M		0.68	U3b3	U3b3	https://	U3b3	https://	U>U2'3'4'7'8'9>U3>U3b>U3b3	U3	U					..
PCA0062	Kow_57, ob. 291	52.6	16.8	M		0.1	U4a2	U4a2	https://	U4a2	https://	U>U2'3'4'7'8'9>U4'9>U4>U4a>U4a2	U4	U					
LON003_LON004	LON003 (111)	39.9	9.24	M	72.5	0.98	K1a2a	K1a2a	https://	K1a2a	https://	K>K1>K1a>K1a2>K1a2a	K1	K					..
Ash033	TÜBİTAK-738	38.3	34.2	M	34.2833	0.5	U3a	U3a*	https://	U3a-a*	https://	U>U2'3'4'7'8'9>U3>U3a'c>U3a>U3a-C6518T!	U3	U					YFull
SFI-11	SFI-477, T24	33.9	35.5	M	..	0.04	N1b1	N1b1	https://	N1b1	https://	N>N1'5>N1>N1b>N1b1	N1	N					..
ROS57		48.5	7.47			0.38	T2f	T2f	https://	T2f	https://	T>T2>T2-T16189C!>T2f	T2	T					Haplofind an
I0744	M10-275	40.3	29.6	M	564	0.42	J1c11	J1c*	https://	J1c*	https://	J>J1>J1c	J1	J					YFull
Asp6		48.6	16.5	M		0.45	U5a1c1	U5a1c1	https://	U5a1c1	https://	U>U5>U5a'b>U5a>U5a1>U5a1c>U5a1c1	U5	U				73, 195, 263, Qual: 0.8991	
I1097	BAR271 / M10-271	40.3	29.6	M	399	0.4	W1-119C	W1-T119C	https://	W1	https://	N>N2>W>W1>W1-T119C	W1	W					FTDNA group
I5204	SI5204, Ind. 14/2	48.6	16.5	M	209	0.36	J1c2	J1c2	https://	J1c2	https://	J>J1>J1c>J1c2	J1	J					..
TOR.5	MF991442.1	37	-4.54	M		0.4	J2b1a	J2b1a*	https://	J2b1a*	https://	J>J2>J2b>J2b1>J2b1a	J2	J				C16278T!	YFull
GRG027	GLN 243A	48	3.56	M	..	0.92	H1	H1	https://	H1	https://	H>H1	H1	H					
GRG057	GLN 317	48	3.56	M	..	0.91	H1	H1	https://	H1	https://	H>H1	H1	H					
GRG035	GLN 256	48	3.56	M	..	1	H1+152	H1-T152C!	https://	H1-d	https://	H>H1>H1-T152C!	H1	H					
HBS002	Fnr. 38 und 67	51.9	11	M	..	1	H2a2a1	H2a2a1	https://	H2a2a1	https://	H>H2>H2a>H2a2>H2a2a>H2a2a1	H2	H					
GRG021	GLN 227	48	3.56	M	..	1	H3+152	H3-T152C!	https://	H3-b	https://	H>H3>H3-T152C!	H3	H					
HBS009	Fnr. 87	51.9	11	M	..	1	H27+16093	H27-T16093C	https://	H27-a	https://	H>H-G16129A!>H27>H27-T16093C	H27	H					
GRG043	GLN 280	48	3.56	M	..	1	H+152	H-T152C!	https://	H-d	https://	H>H-T152C!	H	H					
I0727	M24 / UA JK 16	40.3	29.7	M	..	1	K1a2	K1a2	https://	K1a2	https://	K>K1>K1a>K1a2	K1	K					..
I2374	TOSM3a	47.2	20.4	M	7.34	1	K1a4	K1a4	https://	K1a4	https://	K>K1>K1a>K1a4	K1	K					..
GRG003	GLN 204	48	3.56	M	..	0.82	K1a+195	K1a-T195C!	https://	K1a-a4	https://	K>K1>K1a>K1a-T195C!	K1	K					
GRG016	GLN 220	48	3.56	M	..	0.19	N1a1a1a	N1a1a1a	https://	N1a1a1a	https://	N>N1'5>N1>N1a>N1a1'2>N1a1>N1a1a>N1a1a-T152C!>N1a1a1>N1a1a1a	N1	N					
I2788	GEN_60	47.2	20	M	334	0.33	H	H	https://	H	https://	R>R0>HV>H	H	H					..
HBS006	Fnr. 51	51.9	11	M (X		0.24	T	T	https://	T	https://	R>R2'JT>JT>T	T	T					
I6334	S198	21.1	30.7	M		0.51	L1b1a2a	L1b1a2a	https://	L1b1a2a	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L1>L1b>L1b1>L1b1a>L1b1a2>L1b1a2a	L1	L					
I6337	S79	21.1	30.7	M		0.38	L5a1b	L5a1b	https://	L5a1b	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L5>L5a>L5a1>L5a1b	L5	L					
GRG047	GLN 287	48	3.56	M	..	0.29	U8b1b	U8b1b	https://	U8b1b	https://	U>U2'3'4'7'8'9>U8>U8b'c>U8b>U8b1>U8b1b	U8	U					
GRG008	GLN 210	48	3.56	M	..	0.4	U5b1+16189+@1619	U5b1-T16189C!-T16	https://	U5b1-a1	https://	U>U5>U5a'b>U5b>U5b1>U5b1-T16189C!>U5b1-T16189C!-T16192C!	U5	U					
R30	RMPR-30	41.9	12.5	M	..	0.15	L4a2	L4a2	https://	L4a2	https://	ROOT>NM>RSRS>L1'2'3'4'5'6>L2'3'4'5'6>L2'3'4'6>L3'4'6>L3'4>L4>L4a>L4a2	L4	L					YFull
R70	RMPR-70	41.8	12.5	M	..	0.08	T1a	T1a*	https://	T1a*	https://	T>T1>T1a	T1	T					YFull
GRG052	GLN 299	48	3.56	M	..	0.43	J1c1b	J1c1b	https://	J1c1b	https://	J>J1>J1c>J1c1>J1c1b	J1	J					
I1896	SEKU10a	45.6	18.3	M	92.9	0.87	K2a	K2a	https://	K2a	https://	K>K2>K2a	K2	K	16224c 16311c				..
TU877(SX11)	TU877, Niederried Ur	47	7.25			0.42	J1c1b	J1c1b	https://	J1c1b	https://	J>J1>J1c>J1c1>J1c1b	J1	J					..
POP33	SU1734 U887	45.3	18.7	M	150.054		K1a1	K1a1	https://	K1a1	https://	K>K1>K1a>K1a1	K1	K					
I2367	GEN_13a	47.6	19	M	..	0.2	HV	HV	https://	HV	https://	R>R0>HV	HV	HV					..
N28	N28	52.6	18.8	M	..	0.31	T2b	T2b	https://	T2b	https://	T>T2>T2b	T2	T	73, 263, 709, 750, 930, 1438, 1888, 2706, 4216, 47				..
N26	N26	50.7	21.4	M	..	0.96	T2b30	T2b30	https://	T2b30	https://	T>T2>T2b>T2b30	T2	T	73, 263, 709, 750, 930, 1438, 1888, 2706, 4216, 47				..
Ess7		48.6	12.2	M		1	U5b2c1	U5b2c1	https://	U5b2c1	https://	U>U5>U5a'b>U5b>U5b2>U5b2c>U5b2c1	U5	U				73, 150, 263, Qual: 0.9007	
N27	N27	52.6	18.8	M	..	1	V14	V14	https://	V14	https://	V>V14	V14	V	72, 263, 750, 1438, 2706, 4580, 4769, 7028, 8843,				..
Pta08	#3014; Bag 156	35.2	26.1	M	312.9	0.27	H	H	https://	H	https://	R>R0>HV>H	H	H					HaploGrep v2.1.19
I2431	41	43.1	26.7	M	358	0.41	N1b2	N1b2	https://	N1b2	https://	N>N1'5>N1>N1b>N1b2	N1	N					..
LEPE52		44.6	22	M		1	H3	H3	https://	H3	https://	H>H3	H3	H				263, 750, 143 Qual: 0.8989	
I0746	L11-322	40.3	29.6	M	1100	1	K1a or K1a1	K1a1*	https://	K1a1*	https://	K>K1>K1a>K1a1	K1	K					YFull
I2369	GEN_15a	47.6	19	M	125	0.35	J2a1a1	J2a1a1	https://	J2a1a1	https://	J>J2>J2a>J2a1>J2a1a>J2a1a1	J2	J					..
I8365	11837	37.2	-4.24	M	109	0.27	H	H	https://	H	https://	R>R0>HV>H	H	H					HaploGrep2

Object-ID	Colloquial-Skeletal	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR	Y-Simple	YTree	Y-Haplotree-	Y-Haplotree-I	Y-FTD	YFull	Y-YFu	ISOGG2019	FTDNA-Y-Haplotree
GranCanaria3		E-M81	E1b1b1b1a	M81				0.08	E1bM81	E1b-M81	E-M81	E-M81	https://	E-M81	https://	E1b1b1b1a	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81
GranCanaria2		E-M81	E1b1b1b1a	M81				0.08	E1bM81	E1b-M81	E-M81	E-M81	https://	E-M81	https://	E1b1b1b1a	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81
GranCanaria5		E-M81	E1b1b1b1a	M81				0.08	E1bM81	E1b-M81	E-M81	E-M81	https://	E-M81	https://	E1b1b1b1a	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81
GranCanaria1		E-M81	E1b1b1b1a	M81				0.08	E1bM81	E1b-M81	E-M81	E-M81	https://	E-M81	https://	E1b1b1b1a	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81
I12649	UE 2194	E1b1b1b1a1	E1b1b1b1a1	L19,M81,Z1200			7726	0.06	E1bM81	E1b-Z1200	E-Z1200	E-Z1200	https://	E-CTS4236	https://	E1b1b1b1a1~	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81>Z1200
I7500	Individuo 2	E1b1b1b1a1	E1b1b1b1a1	L19 (3 der, 2 anc), Z1200	M81(2 anc)		5867	0.08	E1bM81	E1b-Z1200	E-Z1200	E-CTS4236	https://	E-CTS4236	https://	E1b1b1b1a1~	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81>Z1200
gun011	gun011	E1b1b1b1a1	E1b1b1b1a1	YFull: CTS6185/PF2524/M5198 • PF2546/M5284				0.49	E1bM81	E1b-PF2546*	E-PF2546*	E-PF2546	https://	E-PF2546*	https://	E1b1b1b1a(1)	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81>Z1200>PF2548>PF2477>PF2546
I12644	UE 1617	E1b1b1b1a1	E1b1b1b1a1	L19,M81,Z1200,PF2546	FT28869 (1+ C		36985	0.33	E1bM81	E1b-PF2546	E-PF2546	E-PF2546	https://	E-PF2546	https://	E1b1b1b1a(1)	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81>Z1200>PF2548>PF2477>PF2546
gun012	gun012	E1b1b1b1a1	E1b1b1b1a1	M183				0.74	E1bM81	E1b-FT76699*	E-FT76699*	E-FT76699	https://	E-FT76699*	https://	E1b1b1b1a1c..	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>M81>Z1200>PF2548>PF2477>PF2546>Z5009>FT76699
R53	RMPR-53	E-V257		E1b1b-L19>PF Y10541,Y10561,BY9865,BY4			150137	1	E1bPF2431	E1b-BY103690	E-BY103690	E-BY103690	https://	E-FGC19010*	https://	E1b1b1b1b1a(2~)	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>PF2431>Z21068>PF2438>Y10547>Y10541>Y10561>BY9865>BY46923>BY103690
ELW029				PF2431, PF2438, FGC18981, False negativ			5856	0.08	E1bPF2431	E1b-BY9849	E-BY9849	E-BY9849	https://	E-FGC18960	https://	E1b1b1b1b1a2a~	E-M96>CTS9083>P147>P177>M215>M35>Z827>L19>PF2431>Z21068>PF2438>Y10547>Y10541>Y10561>BY9865>FGC18951>FGC18981>BY9849
Unknown Man E	Pentawere?	E1b1a					...	0.08	E1b1a	E1b-V38	E-V38	E-V38	https://	E-V38	https://	E1b1a	E-M96>CTS9083>P147>P177>V38
TAU001	Burial 1	E1b1a1	E1b1a1(EM2,E-Z1123)					0.03	E1b1a	E1b-M2	E-M2	E-M2	https://	E-M2	https://	E1b1a1~	E-M96>CTS9083>P147>P177>V38>M2
I7427	CEF-43	E1b1a1	E1b1a1	E1b1a1a1:CTS	E1b1a1a1a2a1			0.07	E1b1a	E1b-M180	E-M180	E-M180	https://	E-V43	https://	E1b1a1a1	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180
SJN002		E1b1a1a1d1 | E-P27	ISOGG 2018					0.06	E1b1a	E1b-P277	E-P277	E-P277	https://	E-M4254	https://	E1b1a1a1a2a1	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>CTS229>U175>P277
KIN002	DA-KIN1116-031	E1b1a1a1d1a2	E1b1a1a1d1a2(ECTS99, E-CTS99)					0.05	E1b1a	E1b-CTS99	E-CTS99	E-CTS99	https://	E-Z1725	https://	E1b1a1a1a2a1a3b1a2	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>CTS229>U175>P277>M4232>M4257>M4041>Z21821>Z21822>CTS2504>U290>CTS6613>CTS99
SJN001		E1b1a1a1c1b | E-M	ISOGG 2018					0.05	E1b1a	E1b-L515	E-L515	E-L515	https://	E-L515	https://	E1b1a1a1a1c1b	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>L485>L514>L515
NGO001	DA-NGO1216-004	n/a						0.03	E1b1a	E1b-P253	E-P253	E-P253	https://	E-M4694	https://	E1b1a1a1a1c1a	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>L485>L514>P253
XAR001	Burial 1	E1b1a1a1c1a						0.2	E1b1a	E1b-CTS7305	E-CTS7305	E-CTS7305	https://	E-M4670	https://	E1b1a1a1a1c1a1a3	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>L485>L514>P253>M191>Z1711>U174>CTS7305
SJN003		E1b1a1a1c1a1c (E-C	ISOGG 2018					0.08	E1b1a	E1b-CTS8030	E-CTS8030	E-CTS8030	https://	E-Z1704	https://	E1b1a1a1a1c1a1a3a1	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>L485>L514>P253>M191>Z1711>U174>CTS7305>CTS9387>Z22455>CTS8030
PSS282		E1b1a1a1a1c2c	ISOGG2017?					0.81	E1b1a	E1b-Z16056	E-Z16056	E-Z16056	https://	E-CTS3274	https://	E1b1a1a1a1c2c	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>L485>Z15933>Z16056
I8802	DEL.01.01	E1b1a1a1a1a; E-M58		E1b1a1a1a1a	E1b1a1a1a1a3:Y28119,E1b1a1a1a1a3:			0.55	E1b1a	E1b-M58	E-BY20975	E-BY20975	https://	E-HU87	https://	E1b1a1a1a1a(3~)	E-M96>CTS9083>P147>P177>V38>M2>M4901>M180>CTS1001>M4895>M4706>M58>Z15929>Y28120>Y27258>BY20975
I5950	Mota	E1b1a2	E1b1a2					0.47	E1b1a	E1b-BY75850	E-BY75850	E-BY75850	https://	E-Y175024	https://	E1b1a2b1~	E-M96>CTS9083>P147>P177>V38>M329>V1517>BY75850
I12533	PJ.01.01	E2(xE2b); E-M75	E2a	E2a:M237, E2 E2a:M250, E2a:SK965, E2a:SK966, E2a:				0.11	E2	E2a(xBY49208)	E-M41	E-M41	https://	E-M41	https://	E2a	E-M96>M75>M41
I8892	IK1.01	E2(xE2b); E-M75	E2a					0.03	E2	E2a	E-M41	E-M41	https://	E-M41	https://	E2a	E-M96>M75>M41
I6332	S159	E2a						0.03	E2	E2a	E-M41	E-M41	https://	E-M41	https://	E2a	E-M96>M75>M41
I8901	KFRC4.1.01	E2(xE2b); E-M75	v					0.03	E2	E2a	E-M41	E-M41	https://	E-M41	https://	E2a	E-M96>M75>M41
S95	S95	n/a (exome capture)					664	0.08	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I4158	UZ-BST-006, Site 5, Gr	CT	F low coverage				876	0.05	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I3456	TB ctx 129. Bag ZA-02	CT	CT	CT			655	0.05	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
SCH011	Schwetzingen 107	CT	F low coverage					0.11	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
AITI_33		F						0.05	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
ART020	S216 Cr11; merged wi	J2a1a	J2a1a1a2b1b	CT,F	G,IJ,I>M170,J	K+(1xC->T); P	1265	0.08	F	F(K?)	F-M89	F-M89	https://	F	https://	F	F-M89
I2426	29	CT	R low coverage	F+; R (1x A->C	G; H-P96,H-M	H-M2826	1375	0.1	F	F(I?;R?)	F-M89	F-M89	https://	F	https://	F	F-M89
DEB 38		F*(xG,H,I,J,K)	F*(xG,H,I,J,K)					0.11	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I6589	Hume 11A, 4559	BT	F (low coverage)				252	0.06	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
VK304	Sweden_Skara 36	F						0.01	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
NiederstotzingenS	NIEcap5, tooth61, 13		F LowCov						F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I7647	LL9, S-EVA 22876	F	F low coverage				3166	0.09	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I2543	CKA1	n/a (not_enough_data)						0.01	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I12980	Grave 145, single buri	F		CT,F;	G,IJ,L-595,M-IH; P-P226		3041	0.04	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
BAM25	1532.	F*	F*					0.11	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
XN215	gr. 20/208	F	F low coverage					0.11	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I13697	M210-C	n/a (<50000 SNPs)	F low coverage					0.02	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I8157	11800	CT(xG)	F low coverage				380	0.07	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
JK1519				CT, F	G-L89, I-M25	DF17 (S1319 1	517	0.01	F	F(I2?R1b?)	F-M89	F-M89	https://	F	https://	F	F-M89
I6120	Gonur tomb 1307 san	BT	F low coverage				216	0.06	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
18R21265	18R21265	n/a (exome capture)					480	0.08	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I15160	M198-1	n/a (<50000 SNPs)	F low coverage				2424	0.02	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
AA7-738			F low coverage	Milan Rajevac	C-, G-, I-, J-, L-, T-, NO-, K-Y28299-, M-			0.69	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
BAM17	1483.	F*	F*					0.12	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I1727	AG_83_3082	CT(xE,G,J,LT,R,Q1a,O	F(xG, J, LT, K2)					0.15	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
BAM26	1533.	F*	F*					0.12	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I6629	Hume 3A, 146154	F	F low coverage		G,H-M69		2127	0.07	F	F(xG)	F-M89	F-M89	https://	F	https://	F	F-M89
VK161	Russia_Kurevanikka_	F						0.01	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I8148	11801	CT(xG,xR)	F low coverage				1933	0.07	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I10769	S10769.E1.L1	E1b1b1b2a1	E1b1b1b2a1a(xE1b1b	CT, F(1xG->A)	G, H, I1, J-M102,J-L26,L, N,		633	0.05	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
TOLM 3	2392.	F*	F*					0.11	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I6481	F0182	BT	F low coverage				340	0.06	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I3209	Q4[-125/-144];CMN2	CF	F low coverage				1199	0.12	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
VK116	Norway_Trondheim_	F						0.01	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
NE57	AR11K_deleted							0.17	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
L5692	M26		F low coverage					0.07	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
TIT019	'98 TH 80080		F low coverage; not included in popgen analyses				69	0.06	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
I6223	AT_59, Grave #1, Buri	n/a (<50000 SNPs)	F low coverage					0.03	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
MARC481	MARC481	..	F low coverage					0.02	F	F	F-M89	F-M89	https://	F	https://	F	F-M89
F6-620			pre-F-Y27277	Milan Rajevac	FT278667- T>A (1T); FT90068- A>G (1A			1	F*	F-(pre-?)F15527*	F-F15527*	F-F15527	https://	F-Y27277*	https://	F*	F-M89>F15527
IKI032	SK 662	n/a	low coverage; not inc	GHIJK:CTS2254/M3680/PF2657			63	0.08	GHIJK	GHIJK	GHIJK-F1329	GHIJK-F1329	https://	GHIJK	https://	GHIJK	GHIJK-F1329
Solt63		G?						0.12	G	G?	G-M201	G-M201	https://	G	https://	G	G-M201
CCH290	UCIAMS-206232	H3a1						0.21	G	G(xG1)	G-M201	G-M201	https://	G	https://	G	G-M201
VK140	Denmark_Galgedil PT	G2a		CT, F-M89, G- L89 (CTS4136 1x G->A),P303,L660,L497				0.02	G2a	G(2a?)	G-M201	G-M201	https://	G	https://	G	G-M201
Solt67		G?						0.12	G	G?	G-M201	G-M201	https://	G	https://	G	G-M201
UNTA58_67	UNTA58_67	BT	G low coverage					0.1	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
I4183	SZEH5a	G	G low coverage	M3588				0.16	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
AMV-CO_5		G						0.05	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
ART004	H238 S156	G	G (low coverage)	PH1944(FT202906 1xC->T)			7288	0.14	G	G(xL89; PH1944?)	G-M201	G-M201	https://	G	https://	G	G-M201
MP6		G?						0.11	G	G?	G-M201	G-M201	https://	G	https://	G	G-M201
PCA0036	Kow_31, ob. 266			M201	L89, M285		7335	0.04	G	G(xL89,xM285)	G-M201	G-M201	https://	G	https://	G	G-M201
Solt65b		G?						0.12	G	G?	G-M201	G-M201	https://	G	https://	G	G-M201
I6670	StPet26, site II, grave	G	G	G:M3572/PF3	G2b1:M377;G2a2b1:M406;G2a1a:Z655			0.11	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
RomIV58		G?						0.1	G	G?	G-M201	G-M201	https://	G	https://	G	G-M201
A80410		G	G					0.03	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Demetrius3		G2	G2					0.05	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Demetrius4		G2	G2					0.03	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Demetrius2		G2	G2					0.03	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Demetrius5		G2	G2					0.03	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Demetrius1		G2	G2					0.03	G	G	G-M201	G-M201	https://	G	https://	G	G-M201
Jagodno1		G?						0.11	G	G?	G-M201	G-M201	https://	G	https://	G?	G-M201
Greyfriars Skeleton	King Richard III	G2						0.01	G2	G2	G-L89	G-L89	https://	G-P287	https://	G2	G-M201>L89
I0825	10394A, 6245	G	G>L89	G2:F1189:8427005A->G; G:CTS9894:19124			2193	0.12	G2	G2	G-L89	G-L89	https://	G-P287	https://	G2	G-M201>L89
I2014	HAL15a	G2	G2 low coverage	F1239				0.19	G2	G2	G-L89	G-L89	https://	G-P287	https://	G2	G-M201>L89
I2383	HAJE1a	G2		PF2929				0.19	G2	G2	G-L89	G-L89	https://	G-P287	https://	G2	G-M201>L89
HUGO_169Sk1	HUGO_169Sk1, MF49	G2a2b2a1a1b-L497?	G2 low coverage	G2a2b2a1a1b:L497;G2:M3267;G2:M3483				0.12	G2	G2(-L497?)	G-L89	G-L89	https://	G-P287	https://	G2(a2b2a1a1b?)	G-M201>L89
HBS005	Fnr. 104	G2	G2a2b2b					0.19	G2	G2(-PF335?)	G-L89	G-L89	https://	G-P287	https://	G2(a2b2b?)	G-M201>L89
I7588	SIMA107, Cuadricula	G2					2020	0.12	G2	G2a-L156	G-L156	G-L156	https://	G-P287*	https://	G2*	G-M201>L89>L156
IKI006	SK 535	n/a	G2 low coverage				1006	0.12	G2	G2a-L156	G-L156	G-L156	https://	G-P287*	https://	G2*	G-M201>L89>L156
	593	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I2746	VSM3a	G2a	G2a low coverage	P15, M3334				0.33	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Ave03		G2a	G2a					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	600	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
NogII69		G2a			L91			0.24	G2a	G2a(xL91)	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I12223	GC1	n/a (too low coverag	G2a low coverage	n/a				0.08	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	139	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	612	G2a	G2a					0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	583	G2a	G2a					0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	616	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	587	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	209	G2a	G2a					0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
VUKG1	1.	G2a	G2a					0.38	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Schw72-17		G2a	ISOGG2017?					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
NOR2B2		G2a	ISOGG2017?					0.12	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
VINK5	13.a	G2a	G2a					0.38	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
BAM19	1513.	G2a	G2a					0.38	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Ave06		G2a	G2a					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Ave01		G2a	G2a					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Ave02		G2a	G2a					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	604	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I1883	TOLM4a	G2a2b		Z3506	xG2a1(Z6709, L1414, L1327, Z6611), xG			0.36	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I8156	11807	G2a	G2a:F3088:20813445G->A; G:CTS2357:14273557C->T; G:CTS112				3618	0.23	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
BOU9		G2a	ISOGG2017?					0.26	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
JK1491				CT; G-P15 (1x H; J-M410;J-M267;L-M20; P			1100	0.02	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
CSAT24		G2a						0.33	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	592	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	636	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	570	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	615	G2a	G2a					0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I2111	5.V5a-H5	G2a	G2a	G2a:PF3141:2	L30,PF3146,Z	L1259	3001	0.28	G2a	G2a(xL30,xPF3146,xZ6552)	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
BAM11	1372.	G2a	G2a					0.38	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
CSAT18		G2a?						0.33	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
PdVT3		G2a			L91			0.21	G2a	G2a(xL91)	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
I17482	S94b	G2a						0.06	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Ave05		G2a	G2a					0.35	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	588	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	584	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
RomIIIT12E-a		G2a			L91?			0.21	G2a	G2a(xL91?)	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
BOU1		G2a	ISOGG2017?					0.26	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
BAM04	0745.	G2a	G2a					0.38	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
KV46Y	Yuya,Yuaa, Yaa, Yuy	G2a					...	0.17	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	137	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	579	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	195	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	575	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
	611	G2a	G2a	P15				0.25	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
A80307		G2a	G2a	P15				0.08	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
244E		G2a	G2a					0.06	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
244F		G2a	G2a					0.06	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
Khazar457		G2a	Nevgen: G2a2 (16.5%)				...	0.06	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
YaroslavlYDNA29		G2a-P15						0.03	G2a	G2a	G-P15	G-P15	https://	G-P15	https://	G2a	G-M201>L89>L156>P15
TUC005	TUC005.B0101.TF1.1	G2a2							G2a2	G2a-L1259	G-L1259	G-L1259	https://	G-L1259	https://	G2a2	G-M201>L89>L156>P15>L1259
DEB 34II		G2a3	G2a3					0.41	G2a2	G2a-L1259	G-L1259	G-L1259	https://	G-L1259	https://	G2a2	G-M201>L89>L156>P15>L1259
TOU001	TOU001.A0101.TF1.1	G2a2							G2a2	G2a-L1259	G-L1259	G-L1259	https://	G-L1259	https://	G2a2	G-M201>L89>L156>P15>L1259
VPR001	VPR001.A0101.TF1.1	G2a2							G2a2	G2a-L1259	G-L1259	G-L1259	https://	G-L1259	https://	G2a2	G-M201>L89>L156>P15>L1259
ANI160	VAR127	G2	G2 (low coverage)	G2:CTS1900:1	P303,PH488,P	L141	3375	0.39	G2a2b	G2a-L30(xP303,xPH488,xPF33	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
I2395	PULE1.9a	G2a2b	G2a2b-L30	L32	xG2a2b1(M3281, M3423)			0.37	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
LGCS4	1810.	G2a2b	G2a2b					0.45	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
HBS004	Fnr. 5	G2a2b						0.42	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
PCA0040	Kow_35, ob. 265						4583	0.11	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
LGCS1	1661.	G2a2b						0.45	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
BAM13	1435.	G2a2b	G2a2b					0.46	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
BUD 4	290.	G2a2b	G2a2b					0.42	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
I7587	SIMA10.181, Cuadricu	G2a2b	G2a2b-L30	G2a2b:CTS1180:7256000A->G; G:M3264:8			4848	0.28	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
I2356	PULE1.22a	G2a2b	G2a2b-L30	L32				0.37	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
K2/33	K2per33	G2a2b	L30;U8					0.06	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
TOLM 4	1649.	G2a2b						0.43	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
I1893	ALE14a	G2a2b	(Reported as J2 in Szé	M3307,M3333				0.42	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
IKI019	SK 599	n/a	low coverage; not inc	F low coverage			1061	0.32	G2a2b	G2a-L30(xBY1433,xL497)	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
KO_57		G2a2b-L30						0.11	G2a2b	G2a-L30	G-L30	G-L30	https://	G-L30	https://	G2a2b	G-M201>L89>L156>P15>L1259>L30
Bar31	L11W-546	G2a2b	G2a2b	L30				0.5	G2a2b*	G2a-L30*	G-L30*	G-L30	https://	G-L30*	https://	G2a2b*	G-M201>L89>L156>P15>L1259>L30
KRD002	TK_24_3	G2a2	G2a2b2(xG2a2b2a)	G2a2:CTS436	G2a2b1a2:L91/PF3246/S285,G2a2b1:P			0.43	G2a2b2	G2a-L141(xP303)	G-L141	G-L141	https://	G-CTS2488	https://	G2a2b2(xG2a2b2a)	G-M201>L89>L156>P15>L1259>L30>L141
PCA0027	KO_22, Kow_22, ob. 2	G2a2b-L30	P303 low coverage	L30, P303			5811	0.13	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I1926	1V1a-H1	G2a2b2a	G2a2b2a-P303	G2a2b2a:CTS	M278,Z30503 BY28175,L14		11804	0.4	G2a2b2a	G2a-P303(xM278,xZ30503,xZ	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I1295	MP13, Burial 18; inve	G2a2b2a	G2a2b2a-P303	G2a2b2a:CTS	M278,Z30503 BY28175		6570	0.54	G2a2b2a	G2a-P303(xM278,xZ30503,xZ	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
MIG012	MIG012.B0101.TF1.1	G2a2b2a							G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I2744	CEG07b	G2a2b2a	G2a2b2a-P303	CTS688, PF3329, PF3330, PF3342, CTS4454, Z3243				0.49	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
GRG023	GLN 231A	G2a2b2a						0.45	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
Bar25		G2a2b2a1	G-CTS7698					0.58	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I3879	MP6, Burial 10; inven	G2a2b2a	G2a2b2a-P303	G2a2b2a:CTS	M278,FT1458 BY28175		6722	0.54	G2a2b2a	G2a-P303(xM278,xFT14587,x	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I2743	CEG03b	G2a2b2a	G2a2b2a-P303	PF3332, PF3342, Page98				0.49	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I1882	BUD4a	G2a2b2a	G2a2b2a-P303	CTS946, CTS4454				0.49	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I2110	4.V4a-H4	G2a2b2a	G2a2b2a-P303	G2a2b2a:PF3	M278,Z30503 BY28175		8631	0.4	G2a2b2a	G2a-P303(xM278,xFT14587,x	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
I9130	16V Tholos	G2a2b2a	G2a2b2a-P303	G2a2b2a:CTS	G2a2b2a1a1a1a1a1a1c~:Y15226,G2			0.27	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
PCA0062	Kow_57, ob. 291	G2a2b2a					9924	0.12	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a	G-M201>L89>L156>P15>L1259>L30>L141>P303
LON003_LON004	LON003 (111)	G2a2b2a	G2a2b2a	P303 (xL140,Z30503,M278)				0.44	G2a2b2a	G2a-P303	G-P303	G-P303	https://	G-P303	https://	G2a2b2a(xG2a2b2a1,xG2a2	G-M201>L89>L156>P15>L1259>L30>L141>P303
Ash033	TÜBİTAK-738	G2a2b		P303	M278, Z3050	BY28175		0.69	G2a2b2a	G2a-P303(xM278,xZ30503;xL1	G-P303	G-P303	https://	G-P303	https://	G2a2b2a(xG2a2b2a1,xG2a2	G-M201>L89>L156>P15>L1259>L30>L141>P303
SFI-11	SFI-477, T24	G2a2b-L30	G2a2b2a-P303* (xL14	P303 level: PF	P303>L140 level: PF3331- A>C (1A), P3			0.14	G2a2b2a*	G2a-P303*	G-P303*	G-P303	https://	G-P303*	https://	G2a2b2a*	G-M201>L89>L156>P15>L1259>L30>L141>P303
ROS57		G2a2b2a4a1a2	ISOGG??					0.95	G2a2b2a4	G2a-Z40458	G-Z40458	G-Z40458	https://	G-Z40458	https://	G2a2b2a4...?	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z30503>Z30520>FT73583>Z30516>Z30521>BY47479>Z40458
I0744	M10-275	G2a2b2a3	G2a2b2a3b-Z6880	G2a2b2a3b:Y	Z6371-;Y38040-;		33822	0.72	G2a2b2a3	G2a-Z6885(xZ39310,xZ6147)	G-Z6885	G-Z6885	https://	G-P303	https://	G2a2b2a3	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z6885
Asp6		G2a2b2a3	G-Z40484/etc*(xZ39346,Z6886)					0.65	G2a2b2a3	G2a-Z6885	G-Z6885	G-Z6885	https://	G-Z6885	https://	G2a2b2a3	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z6885
I1097	BAR271 / M10-271	G2a2b2a3	G2a2b2a3b-Z6880	G2a2b2a3b:Y	Z6371-;Z6880-;		25638	0.72	G2a2b2a3	G2a-Z6885*	G-Z6885*	G-Z6885	https://	G-Z6885*	https://	G2a2b2a3*	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z6885
I5204	SI5204, Ind. 14/2	G2a2b2a3	G2a2b2a		Z39310		69076	0.6	G2a2b2a3	G2a-Z39358*	G-Z39358*	G-Z39358	https://	G-Z6885*	https://	G2a2b2a3*	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z6885>Z39358
TOR.5	MF991442.1	G-M201	G2a2b2a3b-Z39310	G2a2b2a3b:Z	Z39313-;Z40489-;Y36030-;Z39311-;Z39			0.61	G2a2b2a3	G2a-Z39310	G-Z39310	G-Z39310	https://	G-Z39310	https://	G2a2b2a3a	G-M201>L89>L156>P15>L1259>L30>L141>P303>BY28175>Z6885>Z39358>Z39310
GRG027	GLN 243A	G2a2b2a1						0.58	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG057	GLN 317	G2a2b2a1						0.58	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG035	GLN 256	G2a2b2a	G2a2b2a1					0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
HBS002	Fnr. 38 und 67	G2a2b	G2a2b2a1					0.61	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG021	GLN 227	G2a2b2a1						0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
HBS009	Fnr. 87	G2a2b2a1						0.61	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG043	GLN 280	G2a2b2a	G2a2b2a1					0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
I0727	M24 / UA JK 16	G2a	G2a	G2a2b2a1:CTS12570, G2a2b2a1:Z3065;G2			4849	0.69	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
I2374	TOSM3a	G	G2a2b2a1-L140/S316	Z3220				0.67	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG003	GLN 204	G2a2b2a1						0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG016	GLN 220	G2a2b2a1						0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
I2788	GEN_60	G2a2b2a	G2a2b2a1	CTS946, PF33	xG2a2b2a1(Z3220,CTS12570)			0.49	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
HBS006	Fnr. 51	G2a2b2a1						0.61	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
I6334	S198	G2a2b2a1						0.1	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
I6337	S79	G2a2b2a1						0.11	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG047	GLN 287	G2a2b2a1						0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG008	GLN 210	G2a2b2a1						0.56	G2a2b2a1	G2a-L140	G-L140	G-L140	https://	G-L140	https://	G2a2b2a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
R30	RMPR-30	G-CTS796		G2a2b-P303>I	PF3346- Z312	FTDNA pre-L1	166228	0.13	G2a2b2a1*	G2a-CTS796*	G-L140*	G-L140	https://	G-CTS796*	https://	G2a2b2a1*	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
R70	RMPR-70	G-P303		G2a2b-P303*	(xM278,Z6885	FTDNA pre-L1	135451	0.15	G2a2b2a1*	G2a-CTS796*	G-L140*	G-L140	https://	G-CTS796*	https://	G2a2b2a1*	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140
GRG052	GLN 299	G2a2b2a1a						0.59	G2a2b2a1	G2a-PF3346	G-PF3346	G-PF3346	https://	G-PF3346	https://	G2a2b2a1a	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346
I1896	SEKU10a	G2a2b2a1a	G2a2b2a1a-PF3346 (l	PF3346	L497-;Z728-;Z1818-			0.66	G2a2b2a1	G2a-PF3346(xL497)	G-PF3346	G-PF3346	https://	G-PF3346	https://	G2a2b2a1a	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346
TU877(SX11)	TU877, Niederried Ur	G2a2b2a1a1	G2a2b-PF3345*	PF3345 level:	PF3345>L497 level: Z1818/C		45464	0.58	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
POP33	SU1734 U887	G2a2b2a1a1-PF3345							G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
I2367	GEN_13a	G2a2b2a1a	G2a2b2a1a	PF3346				0.47	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
N28	N28		G2a2b2a1a1	CTS2488, PF3345				0.56	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
N26	N26		G2a2b2a1a1-PF3345	PF3345				0.57	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
Ess7		G2a2b2a1a1	G-PF3345*(xFGC7568,S11738,CTS342,Z31389,Z30709,Z39266,Z39367,PF51					0.64	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
N27	N27	I2a2a	G2a2b2a1a1-PF3345	PF3345				0.57	G2a2b2a1	G2a-PF3345	G-PF3345	G-PF3345	https://	G-PF3345	https://	G2a2b2a1a1	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345
Pta08	#3014; Bag 156		G2a2b-L30>CTS574>CTS2488>P303>pre-L140 (PF3337+, L140-)					0.43	G2a2b2a1	G2a-BY1433*	G-BY1433*	G-BY1433	https://	G-Y83318*	https://	G2a2b2a1a1e	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>BY1433
I2431	41	G2a2b2a1a1c1a	G2a2b2a1a1c1a-Z190	G2a2b2a1a1c	CTS5990	4 derived, 1 a	50702	0.88	G2a2b2a1	G2a-S10654*	G-S10654	G-S10654	https://	G-Z1903	https://	G2a2b2a1a1c1a	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>CTS342>CTS8476>S10654
LEPE52		G2a2b2a1a1c	G-CTS342*(xY367,FGC12152,FGC37662,FGC65108)					1	G2a2b2a1	G2a-CTS342*	G-CTS342*	G-CTS5990	https://	G-CTS342*	https://	G2a2b2a1a1c*	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>CTS342>CTS8476>S10654>CTS5990
I0746	L11-322	G2a2b2a1a1c	G2a2b2a1a1c-CTS342	G2a2b2a1a1c	All G-Z724-; All G-FGC12126		48451	1	G2a2b2a1	G2a-CTS342*	G-CTS342*	G-CTS5990	https://	G-CTS342*	https://	G2a2b2a1a1c*	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>CTS342>CTS8476>S10654>CTS5990
I2369	GEN_15a	G2a2b2a1a1c1a	G2a2b2a1a1c1a-Z190	CTS4472, CTS6763,Z3423, Z3440, CTS11388				0.69	G2a2b2a1	G2a-CTS5990	G-CTS5990	G-CTS5990	https://	G-Z1903	https://	G2a2b2a1a1c1a	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>CTS342>CTS8476>S10654>CTS5990
I8365	11837	G2a2b2a1a1c1a	G2a2b2a1a1c1a-Z190	G2a2b2a1a1c1a:CTS4472:15663626A->G; G2a2b2a1a				0.61	G2a2b2a1	G2a-CTS5990	G-CTS5990	G-CTS5990	https://	G-Z1903	https://	G2a2b2a1a1c1a	G-M201>L89>L156>P15>L1259>L30>L141>P303>L140>PF3346>PF3345>CTS342>CTS8476>S10654>CTS5990

Object-ID	Colloquial-Skeletal	Y-Sym	Y-Symbol	Responsible-SN	SNPs	Autosom	Damage-R	Assessmen	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
GranCanaria3		E	E1b1b1b							FregelBMCEvolBiol2009		1410 ± 60 to 750 ± 6	870	540	1200		Canarias_Guanche	Guanche		Gran Canaria		Spain
GranCanaria2		E	E1b1b1b							FregelBMCEvolBiol2009		1410 ± 60 to 750 ± 6	870	540	1200		Canarias_Guanche	Guanche		Gran Canaria		Spain
GranCanaria5		E	E1b1b1b							FregelBMCEvolBiol2009		1410 ± 60 to 750 ± 6	870	540	1200		Canarias_Guanche	Guanche		Gran Canaria		Spain
GranCanaria1		E	E1b1b1b							FregelBMCEvolBiol2009		1410 ± 60 to 750 ± 6	870	540	1200		Canarias_Guanche	Guanche		Gran Canaria		Spain
I12649	UE 2194	E	E1b1b1b	Kolgeh	139515	0.12749	0.1	PASS	n/a	OlaldeScience2019	Context: Archaeological per	1100-1300 CE	1200	1100	1300		Iberia_Muslim	Muslim	Spain_Islamic	Carrer Sagunto 49, València, València/Valencia, \		Spain
I7500	Individuo 2	E	E1b1b1b	Kolgeh	66885	0.05791	0.017	QUESTION	n/a	OlaldeScience2019	Context: Archaeological per	900-1100 CE	1000	900	1100		Iberia_Muslim	Muslim	Spain_Muslim_Emirate	El Maraute, Torrenueva, Granada, Andalusia		Spain
gun011	gun011	E	E1b1b1b	YFull	1156055	4.13956	..	PASS (litera	n/a	RodriguezVarelaCurrBiol2017	Direct (Warning MISSING L	704-887 calCE (1216	813	704	887		Canarias_Guanche	Guanche_mummy	Canary_Islands_Guanche.SG	Tenerife		Spain
I12644	UE 1617	E	E1b1b1b	Kolgeh	558375	0.7573	0.062	PASS	n/a	OlaldeScience2019	Context: Archaeological per	1100-1300 CE	1200	1100	1300		Iberia_Muslim	Muslim	Spain_Islamic	Carrer Sagunto 49, València, València/Valencia, \		Spain
gun012	gun012	E	E1b1b1b	YFull	488777	0.54825	..	PASS (litera	n/a	RodriguezVarelaCurrBiol2017	Direct (Warning MISSING L	593-660 calCE (1421	626	593	660		Canarias_Guanche	Guanche_mummy	Canary_Islands_Guanche.SG	Tenerife		Spain
R53	RMPR-53	E	E1b1b1b	YFull	886906	1.40427	..	PASS (litera	Italy, Villa Magna Family	AntonioScience2019	Context: Direct date on indi	1280-1430 CE	1355	1280	1430		Italy_LMA	Medieval/Early Modern Rome	Italy_Medieval_EarlyModern.SG	Villa Magna	VM 08; MON BI;	Italy
ELW029		E	E1b1b1b	YLeaf+pathPhyn	84096	0.0405			unrelated	ImmelMolBiolEvol2021	Archaeological context (16t	1,486–1,627 calAD	1557	1486	1627		CEU_EM	Germany Early Modern		Ellwangen		Germany
Unknown Man E	Pentawere?	E	E	Athey						HawassBMJ2012		1155 BC?	-1155	-1205	-1105		Egypt_BA	Royal Egypt		Deir el Bahari		Egypt
TAU001	Burial 1	E	E		78650	0.08208	..	PASS (litera	n/a	WangSciAdv2020	Context: Archaeological per	900-1000 CE	950	900	1000		Africa_South_EIA	south Afr. Foragers/Bantu-related	Botswana_Taukome_EIA	Taukome		Botswana
I7427	CEF-43	E	E	Kolgeh	86945	0.07742	..	PASS (litera	n/a	OlaldeScience2019	Context: Archaeological per	900-1000 CE	950	900	1000		Iberia_Muslim	Muslim	Spain_Muslim_oAfrica_published	Calle Panaderos 21-23, Granada, Andalusia		Spain
SJN002		E	E		397342					BarqueraCurrBiol2020		16th c. mass burial (	1535	1450	1620		America_Central_Post_Cc	Viceroyalty of the New Spain (Slave)		San José de los Naturales Royal Mass Burial		Mexico
KIN002	DA-KIN1116-031	E	E	MartinianobioR	434331	0.56861	..	PASS (litera	n/a	WangSciAdv2020	Direct: 95.4%; IntCal20, Ox	1645-1950 calCE (21	1739	1645	1950		Bantu	Bantu-related	Congo_Kindoki_Protohistoric	Kindoki		Democratic Re
SJN001		E	E		427155					BarqueraCurrBiol2020		16th c. mass burial (	1540	1453	1626		America_Central_Post_Cc	Viceroyalty of the New Spain (Slave)		San José de los Naturales Royal Mass Burial		Mexico
NGO001	DA-NGO1216-004	E	E	MartinianobioR	326278	0.38017	..	PASS (litera	n/a	WangSciAdv2020	Direct: 95.4%; IntCal20, Ox	1647-1950 calCE (21	1748	1647	1950		Bantu	Bantu-related	Congo_NgongoMbata_Protohistoric	Ngongo Mbata		Democratic Re
XAR001	Burial 1	E	E	MartinianobioR	915431	3.35317	..	PASS (litera	n/a	WangSciAdv2020	Context: Archaeological per	700-1000 CE	850	700	1000		Africa_South_EIA	south Afr. Foragers/Bantu-related	Botswana_Xaro_EIA	Xaro		Botswana
SJN003		E	E		446940					BarqueraCurrBiol2020		16th c. mass burial (	1535	1450	1620		America_Central_Post_Cc	Viceroyalty of the New Spain (Slave)		San José de los Naturales Royal Mass Burial		Mexico
PSS282		E	E							BrunelPNAS2020			-3488.5	-3626	-3351		France_MN2	Noyen		Pont-sur-Seine	Ferme de l'Ile	France
I8802	DEL.01.01	E	E	MartinianobioR	860676	2.64661	0.122	PASS	n/a	PrendergastScience2019	Direct: 95.4%; IntCal20, Ox	772-957 calCE (1160	878	772	957		Africa_East_IA	Kenya_IA	Kenya_IA_Pastoral	Deloraine Farm (GqJh6)		Kenya
I5950	Mota	E	E	FTDNA/YFull (SG)	1181617	25.6859	..	PASS	n/a	LlorenteScience2015	Direct: 95.4%; IntCal20, Ox	2576-2465 calBCE (4	-2520	-2576	-2465		Africa_East_HG	Mota.SG	Ethiopia_4500BP_published.SG	Mota Cave, Gamo Highlands	..	Ethiopia
I12533	PJ.01.01	E	E		601945	0.82596	..	PASS (batc	n/a	PrendergastScience2019	Direct: 95.4%; IntCal20, Ox	2138-1973 calBCE (3	-2061	-2138	-1973		Africa_East_Pastoralist	Early pastoral?	Kenya_EarlyPastoralN	Prettejohn's Gully (GsJi 11)		Kenya
I8892	IK1.01	E	E	MartinianobioR	106750	0.09734	0.098	PASS (litera	n/a	PrendergastScience2019	Direct: 95.4%; IntCal20, Ox	772-950 calCE (1170	854	772	950		Africa_East_Pastoralist	PIA	Kenya_IA_Pastoral_published	Ilkek Mounds (GsJj66)		Kenya
I6332	S159	E	E		623585					SirakbioRxiv2021		1190±22 BP, UGAMS	760	738	782		Sudan_MA	Christian Period Nubia		Kulubnarti	21-S-46 (S cemet	Sudan
I8901	KFRC4.1.01	E	E	MartinianobioR	24688	0.02081	..	PASS	n/a	PrendergastScience2019	Direct: 95.4%; IntCal20, Ox	892-992 calCE (1110	941	892	992		Africa_East_Pastoralist	PIA	Kenya_IA_Pastoral_o	Kisima Farm, Cairn KFR-C4		Kenya
S95	S95	F	F	ReichLab_44.3	25976	0.04359	0.1778	PASS	China, Wuzhuangguolian	WangNature2021	Context: Archaeological per	3400-2800 BCE	-3100	-3400	-2800		China_Neolithic	Wuzhuangguoliang	China_Wuzhuangguoliang_LN_1d.re	Wuzhuangguoliang, Shaanxi, China		China
I4158	UZ-BST-006, Site 5, Gr	F	F	MartinianobioR	10710	0.009	0.055	QUESTION	n/a	NarasimhanPattersonScience20	Context: Archaeological per	1600-1300 BCE	-1450	-1600	-1300		BMAC	Bustan_BA	Uzbekistan_Bustan_BA_o_contam_l	Bustan		Uzbekistan
I3456	TB ctx 129. Bag ZA-02	F	F	Ted Kandell	21625	0.02053	..	QUESTION	n/a	NarasimhanPattersonScience20	Direct: 95.4%; IntCal20, Ox	1121-936 calBCE (28	-1044	-1121	-936		Steppe_Central_LBA	Tasbas_LBA	Kazakhstan_LBA_Tasbas	Tasbas, Byan Zherek		Kazakhstan
SCH011	Schwetzingen 107	F	F	Kolgeh	29594	0.02618	0.1093	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5200-5000 BCE	-5100	-5200	-5000		LBK	Germany_LBK_SCH	Germany_EN_LBK	Baden-Württemberg, Germany	Schwetzingen	Germany
AITI_33		F	F		4044	0.00319	..	QUESTION	n/a	MittnikScience2019	Direct: 95.4%; IntCal20, Ox	1740-1542 calBCE (3	-1646	-1740	-1542	5-8 years	CEU_EBA	EBA Lech Valley	Germany_Lech_EBA_lc	Kleinaitingen – Gewerbegebiet	AITI	Germany
ART020	S216 Cr11; merged wi	F	F	Kolgeh	916809	5.34604	0.02	QUESTION	n/a	SkourtanioticCell2020	Direct: 95.4%; IntCal20, Ox	3366-3102 calBCE (4	-3227	-3366	-3102		Anatolia_East_LC	Arslantepe_LC	Turkey_Arslantepe_LateC	Malatya Province	Arslantepe	Turkey
I2426	29	F	F	Kolgeh	30449	0.026	..	PASS (litera	n/a	MathiesonNature2018	Direct: 95.4%; IntCal20, Ox	4446-4258 calBCE (5	-4352	-4446	-4258		Balkans_CA	Bulgaria_Late_Chalcolithic2	Bulgaria_C_published	Sushina	..	Bulgaria
DEB 38		F	F							HaakPLoSBiology2010		5500-4775 cal BC	-5137.5	-5500	-4775	18-59	LBK	Linear Pottery culture	LBK	Derenburg-Meerenstieg II	46	Germany
I6589	Hume 11A, 4559	F	F	Kolgeh	4527	0.004	..	QUESTION	n/a	OlaldeNature2018	Context: Archaeological per	2500-2000 BCE	-2250	-2500	-2000		Bell_Beaker	BK_Iberia	Spain_C_published_lc	Humanejos, Madrid	Hum	Spain
VK304	Sweden_Skara 36	F	F		12324	0.01	..	PASS (litera	..	MargaryanNature2020	Context: Archaeological per	900-1200 CE	1050	900	1200		Viking	Viking Sweden	Sweden_Viking_lc.SG	Skara	Varnhem	Sweden
NiederstotzingenS	NIEcap5, tooth61, 13	F	F	FTDNA	2586	0.00519	..	QUESTION	n/a	SullivanSciAdv2018	Context: Archaeological per	580-630 CE	535	580	630	0.5-2	Germanic	Alemannic	Germany_EarlyMedieval_Alemanic_	Niederstotzingen		Germany
I7647	LL9, S-EVA 22876	F	F	Kolgeh	23864	0.0201	0.041	PASS (dam	n/a	OlaldeScience2019	Direct (Warning MISSING U	4050-3340 calBCE (N	-3695	-4050	-3340		Iberia_MLN	SE_Iberia_MLN	Spain_MLN	Les Llometes, Alcoi, Alacant/Alicante, Valencian (		Spain
I2543	CKA1	F	F		10928	0.009	0.113	PASS	n/a	NakatsukaCell2020	Direct (Warning TO MARINE	985-1030 calCE (108	1005	985	1030		America_South_Pre_Colu	SouthPeruHighlands	Peru_Campanayuq_MH_1000BP_lc	Campanayuq		Peru
I12980	Grave 145, single buri	F	F	MartinianobioR	24259	0.02043	0.168	QUESTION	n/a	NarasimhanPattersonScience20	Context: Archaeological per	1000-800 BCE	-900	-1000	-800		SPGT	Loebanr_IA	Pakistan_Loebanr_IA	Swat Valley, Loebanr		Pakistan
BAM25	1532.	F	F							SzécsényiNagyProcRSocLondB2015		5710-5530 calBC (66	-5620	-5710	-5530	20-30	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
XN215	gr. 20/208	F	F	Kolgeh	31646	0.0275	0.07715	PASS (litera	n/a	RivollatSciAdv2020	Direct: 95.4%; IntCal20, Ox	5208-4945 calBCE (6	-5060	-5208	-4945		LBK	Germany_LBK_SMH	Germany_EN_LBK	Baden-Württemberg, Germany	Stuttgart-Mühlha	Germany
I13697	M210-C	F	F		10919					WangNature2021		150-465 CE	307	150	465		Taiwan_EIA	Taiwan_Hanben	Taiwan_Hanben_lc	Yilan, Hanben		Taiwan
I8157	11800	F	F	Kolgeh	3675	0.00306	0.06	QUESTION	n/a	OlaldeScience2019	Context: Archaeological per	2900-2500 BCE	-2700	-2900	-2500		Iberia_CA	SE_Iberia_CA	Spain_C_published_lc	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain
JK1519		F	F	YLeaf+pathPhyn	9562	0.0034			ELW004 (identical), JK15	ImmelMolBiolEvol2021	Archaeological context (16t	1,486–1,627 calAD	1557	1486	1627		CEU_EM	Germany Early Modern		Ellwangen		Germany
I6120	Gonur tomb 1307 san	F	F	MartinianobioR	3106	0.00259	0.049	QUESTION	n/a	NarasimhanPattersonScience20	Context: Archaeological per	2500-1600 BCE	-2050	-2500	-1600		BMAC	Gonur_BA	Turkmenistan_Gonur_BA_1_lc	Gonur		Turkmenistan
18R21265	18R21265	F	F	ReichLab_44.3	18410	0.02373	0.1084	PASS (damage+[30bp,70bp])		WangNature2021		3400-2800 BCE	-3100	-3400	-2800		China_Neolithic	Wuzhuangguoliang	Wuzhuangguoliang	Wuzhuangguoliang, Shaanxi, China		China
I15160	M198-1	F	F	Kolgeh	10862	0.00935	0.209	PASS (mtco	n/a	WangNature2021	Context: Direct date(s) from	1-800 CE	400	1	800		Taiwan_EIA	Taiwan_Hanben	Taiwan_Hanben_IA_lc	Yilan, Hanben		Taiwan
AA7-738		F	F	Milan Rajevac						HublinNature2020		44210-42810 calBP	-43510	-44210	-42810		Palaeolithic_Upper	Initial Upper Palaeolithic		Bacho Kiro Cave	Layer I	Bulgaria
BAM17	1483.	F	F							SzécsényiNagyProcRSocLondB2015		5840-5660 calBC (68	-5750	-5840	-5660	7-8	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
I1727	AG_83_3082	F	F	Kolgeh	46937	0.041	0.206	QUESTION	n/a	LazaridisNature2016	Context: Archaeological per	8300-7900 BCE	-8100	-8300	-7900		Levant_N	PPNB	Jordan_PPNB_contam	'Ain Ghazal	..	Jordan
BAM26	1533.	F	F							SzécsényiNagyProcRSocLondB2015		5840-5660 calBC (68	-5750	-5840	-5660	35-45	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
I6629	Hume 3A, 146154	F	F	Kolgeh	34797	0.029	0.162	PASS	n/a	OlaldeNature2018	Context: Archaeological per	2900-2300 BCE	-2600	-2900	-2300		Iberia_CA	Central Iberia Early and Late Chalc	Spain_C	Humanejos, Madrid		Spain
VK161	Russia_Kurevanikka_	F	F		22401	0.01	..	PASS (litera	..	MargaryanNature2020	Context: Archaeological per	900-1300 CE	1100	900	1300		Viking	Viking Russia	Russia_Viking.SG	Kurevanikha	Kurevanikha	Russia
I8148	11801	F	F	Kolgeh	22030	0.01852	0.083	PASS	n/a	OlaldeScience2019	Context: Archaeological per	2900-2500 BCE	-2700	-2900	-2500		Iberia_CA	SE_Iberia_CA	Spain_C	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain
I10769	S10769.E1.L1	F	F	~~Kolgeh~~	721631	3.31269	0.145	PASS	Israel, Megiddo, Jezreel \	AgranatTamirCell2020	Context: Archaeological per	1550-1450 BCE	-1500	-1550	-1450	Adult (ca	Levant_South_MLBA	Megido LB I	Israel_MLBA_brother.I10770	Tel Megiddo	Simple pit burial,	Israel
TOLM 3	2392.	F	F							SzécsényiNagyProcRSocLondB2015		5210-5000 calBC (61	-5105	-5210	-5000	n.d.	LBK	LBKT		Tolna-Mözs		Hungary
I6481	F0182	F	F	Kolgeh	6304	0.005	..	PASS	n/a	OlaldeNature2018	Context: Archaeological per	2800-1800 BCE	-2300	-2800	-1800		Bell_Beaker	BK_Germany_BAV	Germany_BellBeaker_lc	Weichering, Bavaria	Wei	Germany
I3209	Q4[-125/-144];CMN2	F	F	Kolgeh	23772	0.02002	..	QUESTION	n/a	OlaldeScience2019	Direct: 95.4%; IntCal20, Ox	5978-5773 calBCE (6	-5865	-5978	-5773		Iberia_HG	SE_Iberia_Meso	Spain_HG	Cingle del Mas Nou, Ares del Maestre, Castelló/C		Spain
VK116	Norway_Trondheim_	F	F		6190	0.01	..	PASS (litera	..	MargaryanNature2020	Context: Archaeological per	1100-1300 CE	1200	1100	1300		Nordic_MA	Medieval	Norway_Medieval_lc.SG	Nor_Mid	Trondheim	Norway
NE57	AR11K_deleted	F	F	FTDNA(in progre	11614	0.01				MaoCell2021	Date (cal BP), calibrated dat	11,206–10,765 calBP	-9036	-9256	-8815		Asia_East_EN	-	AR11K_deleted	Zhaodong, Northern bank of the Songhua River		China
L5692	M26	F	F	Kolgeh	16262	0.01	..	PASS (litera	n/a	YangScience2020	Direct (Warning MISSING L	2618-2465 calBCE (4	-2527	-2618	-2465		China_East_LN	coastal sEastAsia_LN	China_SEastAsia_Coastal_LN	Xitoucun		China
TIT019	'98 TH 80080	F	F	YLeaf+pathPhyn	2048	0.00188	0.09	QUESTION	n/a	SkourtanioticCell2020	Context: Archaeological per	2200-2100 BCE	-2150	-2200	-2100		Anatolia_East_EBA	TitrisHoyuk_EBA	Turkey_TitrisHoyuk_EBA_lc	Şanlıurfa Province	Titriş Höyük	Turkey
I6223	AT_59, Grave #1, Buri	F	F	Kolgeh	7608					WangNature2021		400-200 BCE	-300	-400	-200		Uyuk	Sagly	Mongolia_EIA_4_Sagly_lc	Uvs aimag, Ulaangom sum, Chandman Uul, Ulaan		Mongolia
MARC481	MARC481	F	F	Kolgeh	39559	0.034	..	PASS (litera	n/a	RaghavanScience2014	Context: Archaeological per	1-800 CE	400	1	800		America_North_Ancient	Middle Dorset	Canada_MDorset.SG			Canada
F6-620		F	F	FTDNA						HublinNature2020		46790-42810 cal. bp	-44800	-46790	-42810		Palaeolithic_Upper	Initial Upper Palaeolithic		Bacho Kiro Cave	Layer J	Bulgaria
IKI032	SK 662	GHIJK	GHIJK	Kolgeh	2033	0.00269	0.06	QUESTION	n/a	SkourtanioticCell2020	Context: Archaeological per	3500-3100 BCE	-3300	-3500	-3100		Anatolia_North_LC	Ikiztepe_LC	Turkey_Ikiztepe_LateC_lc	Samsun Province	İkiztepe	Turkey
Solt63		G	G							Graefen2020		3338-3032 calBCE	-3185	-3338	-3032		Italy_CA	Trentino Copper Age I		Solteri		Italy
CCH290	UCIAMS-206232	G	G	YLeaf+pathPhyn	5009	0.01248	0.05057			YakaCurrBiol2021	Direct date	6690-6590 (95%) cal	-6640	-6690	-6590	Child	Anatolia_N	Neolithic (Ceramic)		Çatalhöyük	Level South M Ne	Turkey
VK140	Denmark_Galgedil PT	G	G	FTDNA	11902	0.02	..	PASS (litera	..	MargaryanNature2020	Context: Archaeological per	800-1100 CE	950	800	1100		Viking	Viking Denmark	Denmark_Viking_lc.SG	Funen	Galgedil	Denmark
Solt67		G	G							Graefen2020		3338-3032 calBCE	-3185	-3338	-3032		Italy_CA	Trentino Copper Age I		Solteri		Italy
UNTA58_67	UNTA58_67	G	G	Kolgeh	7147	0.00593	..	PASS (litera	n/a	MittnikScience2019	Direct: 95.4%; IntCal20, Ox	2451-2202 calBCE (3	-2292	-2451	-2202	20-35 yea	Bell_Beaker	Bell Beaker Lech Valley	Germany_Lech_BellBeaker_lc	Haunstetten – Unterer Talweg	UNTA58	Germany
I4183	SZEH5a	G	G	Kolgeh	11207	0.01	0.132	PASS	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	4928-4707 calBCE (5	-4793	-4928	-4707		Balkans_LN	Sopot_LN	Hungary_LN_Sopot_lc	Szemely-Hegyes		Hungary
AMV-CO_5		G	G							PsonisIMBB2018		470-30 BC	-220	-470	-30		Greece_Ancient	Corinthian		Ancient Ambracia		Greece
ART004	H238 S156	G	G		97971	0.133	0.01	QUESTION	n/a	SkourtanioticCell2020	Direct: 95.4%; IntCal20, Ox	3762-3638 calBCE (4	-3682	-3762	-3638		Anatolia_East_LC	Arslantepe_LC	Turkey_Arslantepe_LateC	Malatya Province	Arslantepe	Turkey
MP6		G	G							Graefen2020		2861-2581, 2826-24	-2675.5	-2861	-2490		Italy_CA	Trentino Copper Age II		Moletta Patone		Italy
PCA0036	Kow_31, ob. 266	G	G	Yleaf+pathPhynder						StolarekSciRep2018		~ 80-260 AD	170	80	260	40-59	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	167:F6	Poland
Solt65b		G	G							Graefen2020		3338-3032 calBCE	-3185	-3338	-3032		Italy_CA	Trentino Copper Age I		Solteri		Italy
I6670	StPet26, site II, grave	G	G		2673	0.00222	0.048	QUESTION	n/a	NarasimhanPattersonScience20	Context: Archaeological per	2700-2300 BCE	-2500	-2700	-2300		Turan_EN	Parkhai_EBA	Turkmenistan_EBA_Parkhai_lc	Parkhai II		Turkmenistan
RomIV58		G	G							Graefen2020		2266-2043 calBCE	-2154.5	-2266	-2043		Italy_BA	Trentino EBA Polada A		Romagnano IV		Italy
A80410		G	G							AfanasievWen2015		700-900 AD	800	700	900		Saltovo_Mayaki	Saltovo-Mayaki		Podgorovsky		Russia
Demetrius3		G	G							AfanasievDobrovolskayaKSIA2015		750-900 AD	825	750	900		Saltovo_Mayaki	Saltovo-Mayaki		Demetrius necropolis, Middle Don		Russia
Demetrius4		G	G							AfanasievDobrovolskayaKSIA2015		750-900 AD	825	750	900		Saltovo_Mayaki	Saltovo-Mayaki		Demetrius necropolis, Middle Don		Russia
Demetrius2		G	G							AfanasievDobrovolskayaKSIA2015		750-900 AD	825	750	900		Saltovo_Mayaki	Saltovo-Mayaki		Demetrius necropolis, Middle Don		Russia
Demetrius5		G	G							AfanasievDobrovolskayaKSIA2015		750-900 AD	825	750	900		Saltovo_Mayaki	Saltovo-Mayaki		Demetrius necropolis, Middle Don		Russia
Demetrius1		G	G							AfanasievDobrovolskayaKSIA2015		750-900 AD	825	750	900		Saltovo_Mayaki	Saltovo-Mayaki		Demetrius necropolis, Middle Don		Russia
Jagodno1		G	G							GworysJArchaeolSci2013		2800 BC	-2800	-3000	-2600		Corded Ware	Corded_Ware_Poland	Corded_Ware_Poland	Jagodno, Wroclaw		Poland
Greyfriars Skeleton	King Richard III	G	G							KingNatCommun2014		1452-1485	1468	1452	1485		England_LMA	England Medieval - Early Modern		Grey Friars friary in Leicester (presumed)		Great Britain
I0825	10394A, 6245	G	G		42018	0.037	0.101	PASS	n/a	OlaldeNature2018	Direct: 95.4%; IntCal20, Ox	2471-2296 calBCE (3	-2396	-2471	-2296		Bell_Beaker	BK_Spain_Cer	Spain_C	Paris Street, Cerdanyola, Barcel	Cer	Spain
I2014	HAL15a	G	G	Kolgeh	19344	0.017	0.096	PASS	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	5204-4852 calBCE (6	-4996	-5204	-4852		LBK	Linear Pottery culture	Germany_EN_LBK	Halberstadt-Sonntagsfeld		Germany
I2383	HAJE1a	G	G		61001	0.053	0.082	QUESTION	n/a	LipsonNature2017	Context: Archaeological per	5300-4900 BCE	-5100	-5300	-4900		Alfold_Linear_Pottery	ALPc_III_MN	Hungary_MN_ALPc_contam	Hajdúnánás-Eszlári út		Hungary
HUGO_169Sk1	HUGO_169Sk1, MF49	G	G	Kolgeh	63888	0.03114	..	PASS (litera	Germany, cross-site fami	MittnikScience2019	Direct: 95.4%; IntCal20, Ox	2566-2310 calBCE (3	-2435	-2566	-2310	> 21 year	Bell_Beaker	Bell Beaker Lech Valley	Germany_Lech_BellBeaker	Augsburg – Hugo–Eckener–Stra	HUGO	Germany
HBS005	Fnr. 104	G	G		73231	0.067	0.0665	PASS (litera	n/a	RivollatSciAdv2020	Context: Layer dates of 520	5250-4800 BCE	-5025	-5250	-4800		LBK	Germany_LBK_HBS	Germany_EN_LBK	Saxony-Anhalt, Germany	Halberstadt	Germany
I7588	SIMA107, Cuadricula	G	G		31748	0.02711	0.033	QUESTION	n/a	OlaldeScience2019	Context: Archaeological per	2900-2500 BCE	-2700	-2900	-2500		Iberia_CA	SE_Iberia_CA	Spain_C_contam	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain
IKI006	SK 535	G	G	Kolgeh	24767	0.02469	0.11	PASS	n/a	SkourtanioticCell2020	Context: Archaeological per	3500-3100 BCE	-3300	-3500	-3100		Anatolia_North_LC	Ikiztepe_LC	Turkey_Ikiztepe	Samsun Province	İkiztepe	Turkey
	593	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
I2746	VSM3a	G	G	Kolgeh	104785	0.093	0.074	PASS	n/a	LipsonNature2017	Context: Archaeological per	5000-4500 BCE	-4750	-5000	-4500		Balkans_LN	Tisza_LN	Hungary_LN_Tisza	Vésztő-Mágor		Hungary
Ave03		G	G							LacanPNAS2011b		7000 yBP	-5050	-5100	-5000		Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La		Spain
	600	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
NogII69		G	G							Graefen2020		2891-2702 calBCE	-2796.5	-2891	-2702		Italy_CA	Trentino Chalcolithic		Nogarole II		Italy
I12223	GC1	G	G	Kolgeh	48760	0.04209	0.122	PASS	n/a	FernandesNatEcolEvol2020	Direct: 95.4%; IntCal20, Ox	257-415 calCE (1700	353	257	415		Sardinia_LA	Sardinia_LateAntiquity	Italy_Sardinia_LA_published	Sardinia, Sant'Elia Cape, Grotta Colombi		Italy
	139	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	612	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	583	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	616	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	587	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	209	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
VUKG1	1.	G	G							SzécsényiNagyProcRSocLondB2015			-5600	-5650	-5550	35-40	Starcevo	Starčevo		Vukovar Gimnazija		Croatia
Schw72-17		G	G							BrunelPNAS2020			-5086.5	-5211	-4962		France_EN	LBK		Schwindratzheim	Lotissement Les T	France
NOR2B2		G	G							BrunelPNAS2020			-550	-620	-480		France_EIA	Hallstatt C - Early "La Tène"		Nordhouse	Nordhouse	France
VINK5	13.a	G	G							SzécsényiNagyProcRSocLondB2015			-5600	-5650	-5550	35-39	Starcevo	Starčevo		Vinkovci Nama		Croatia
BAM19	1513.	G	G							SzécsényiNagyProcRSocLondB2015			-5600	-5650	-5550	10-12	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
Ave06		G	G							LacanPNAS2011b		7000 yBP	-5050	-5100	-5000		Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La		Spain
Ave01		G	G							LacanPNAS2011b		7000 yBP	-5050	-5100	-5000		Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La		Spain
Ave02		G	G							LacanPNAS2011b		7000 yBP	-5050	-5100	-5000		Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La		Spain
	604	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
I1883	TOLM4a	G	G	Kolgeh	65309	0.056	0.099	QUESTION	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	5303-5066 calBCE (6	-5196	-5303	-5066		LBK	LBKT_MN	Hungary_MN_LBK_o	Tolna-Mözs TO26		Hungary
I8156	11807	G	G		30912	0.02612	0.085	PASS	n/a	OlaldeScience2019	Context: Archaeological per	2900-2500 BCE	-2700	-2900	-2500		Iberia_CA	SE_Iberia_CA	Spain_C	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain
BOU9		G	G							BrunelPNAS2020		3339-3029 calBCE	-3184	-3339	-3029		France_LN	Néolithique final 2 (Ferrières)		Corconne	Aven de la Boucle	France
JK1491		G	G	YLeaf+pathPhyn	22430	0.0082			JK1542 (2nd degree)	ImmelMolBiolEvol2021	Archaeological context (16t	1,486–1,627 calAD	1557	1486	1627		CEU_EM	Germany Early Modern		Ellwangen		Germany
CSAT24		G	G							SzécsényiNagyProcRSocLondB2015		4800-4500 BCE	-4650	-4800	-4500		Lengyel	Lengyel_LN	Lengyel_LN	Csabdi-Télizöldes		Hungary
	592	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	636	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	570	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	615	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
I2111	5.V5a-H5	G	G	Yleaf+pathPhyn	62041	0.054	0.113	PASS (litera	n/a	MathiesonNature2018	Direct: 95.4%; IntCal20, Ox	3765-3543 calBCE (4	-3672	-3765	-3543		Trypillia	Trypillia	Ukraine_Eneolithic_Trypillian_publis	Verteba Cave	..	Ukraine
BAM11	1372.	G	G							SzécsényiNagyProcRSocLondB2015		5640-5540 calBC (66	-5590	-5640	-5540	35-45	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
CSAT18		G	G							SzécsényiNagyProcRSocLondB2015		4800-4500 BCE	-4650	-4800	-4500		Lengyel	Lengyel_LN	Lengyel_LN	Csabdi-Télizöldes		Hungary
PdVT3		G	G							Graefen2020		2289-2141 calBCE	-2215	-2289	-2141		Italy_BA	Trentino Bronze Age		Paludei di Volano		Italy
I17482	S94b	G	G		64030					SirakbioRxiv2021		650-1000 CE	825	650	1000		Sudan_MA	Christian Period Nubia		Kulubnarti	21-S-46 (S cemet	Sudan
Ave05		G	G							LacanPNAS2011b		7000 yBP	-5050	-5100	-5000		Iberia_N	Epicardial Culture	Spain_EMN	Avellaner cave, Cogolls, Les Planes d'Hostoles, La		Spain
	588	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	584	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
RomIIIT12E-a		G	G							Graefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
BOU1		G	G							BrunelPNAS2020		3499-3126 calBC	-3312.5	-3499	-3126		France_LN	Néolithique final 1		Corconne	Aven de la Boucle	France
BAM04	0745.	G	G							SzécsényiNagyProcRSocLondB2015		5650-5540 calBC (66	-5595	-5650	-5540	35-45	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
KV46Y	Yuya,Yuaa, Yaa, Yuy	G	G	Nevgen						GadaCzechInstEgyptol2020		18th Dynasty	-1410	-1430	-1390	ca. 60	Egypt_BA	18th Dynasty		Valley of the Kings		Egypt
	137	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	579	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	195	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	575	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
	611	G	G							LacanPNAS2011a		3000 B.C.	-3000	-3100	-2900		France_LN	Treilles culture / Final Neolithic		Treilles cave I at Saint-Jean-et-Saint-Paul		France
A80307		G	G							AfanasievDobrovolskaya2014		300-400 AD	350	300	400		Alan		Alan	Republic of North Ossetia–Alania		Russia
244E		G	G							VanekCroatMedJ2009		670 AD	670	640	700		Merovingian	Merovingian		Ergolding		Germany
244F		G	G							VanekCroatMedJ2009		670 AD	670	640	700		Merovingian	Merovingian		Ergolding		Germany
Khazar457		G	G	Nevgen						KornienkoHumGenet2021		Khazar time	800	700	900		Khazar	Early_Khazar		Kirovsky V	Bg. Kirovsky V, m	Russia
YaroslavlYDNA29		G	G							AlborovaMustafinMFTI2020		13th c.	1250	1200	1300		Slav_East	East Slav		Medieval Kremlin of Yaroslavl		Russia
TUC005	TUC005.B0101.TF1.1	G	G		517274					PapacSciAdv2021	MAMS-30753	4386±22 BP	-3004	-3089	-2918		CEU_N	Řivnáč	Neolithic	Tuchoměřice_645-5, Bohemia		Czech Republic
DEB 34II		G	G							HaakPLoSBiology2010		5500-4775 cal BC	-5137.5	-5500	-4775	18-59	LBK	Linear Pottery culture	LBK	Derenburg-Meerenstieg II	42	Germany
TOU001	TOU001.A0101.TF1.1	G	G		795545					PapacSciAdv2021	MAMS-41357	4166±24 BP	-2759	-2878	-2640		CEU_N	Řivnáč	Neolithic	Toušeň_15, Bohemia		Czech Republic
VPR001	VPR001.A0101.TF1.1	G	G		721957					PapacSciAdv2021	MAMS-41373	4213±25 BP	-2798	-2898	-2698		CEU_N	Řivnáč	Neolithic	Velké Přílepy_193, Bohemia		Czech Republic
ANI160	VAR127	G	G2a2b	Kolgeh	62189	0.067	..	PASS	n/a	MathiesonNature2018	Direct (Warning UNPUBLISH	4684-4494 calBCE (5	-4583	-4684	-4494		Balkans_N	Varna_Eneolithic	Bulgaria_Varna_C	Varna	..	Bulgaria
I2395	PULE1.9a	G	G2a2b		119952	0.108	0.077	PASS	n/a	LipsonNature2017	Context: Archaeological per	4500-4000 BCE	-4250	-4500	-4000		Balkans_CA	Tiszapolgar_ECA	Hungary_EarlyC_Tiszapolgar	Pusztataskony-Ledence I.		Hungary
LGCS4	1810.	G	G2a2b							SzécsényiNagyProcRSocLondB2015			-5600	-5650	-5550	23-39	Starcevo	Starčevo		Lánycsók, Gata-Csotola		Hungary
HBS004	Fnr. 5	G	G2a2b		107847	0.10214	0.07225	PASS (litera	n/a	RivollatSciAdv2020	Context: Layer dates of 520	5250-4800 BCE	-5025	-5250	-4800		LBK	Germany_LBK_HBS	Germany_EN_LBK	Saxony-Anhalt, Germany	Halberstadt	Germany
PCA0040	Kow_35, ob. 265	G	G2a2b	Yleaf+pathPhynder						StolarekSciRep2018		~ 80-260 AD	170	80	260	15-17	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	166:F6	Poland
LGCS1	1661.	G	G2a2b							SzécsényiNagyProcRSocLondB2015			-5600	-5650	-5550	35-44	Starcevo	Starčevo		Lánycsók, Gata-Csotola		Hungary
BAM13	1435.	G	G2a2b							SzécsényiNagyProcRSocLondB2015		5710-5550 calBC (67	-5630	-5710	-5550	8-9	Starcevo	Starčevo		Alsónyék-Bátaszék, Mérnöki telep		Hungary
BUD 4	290.	G	G2a2b							SzécsényiNagyProcRSocLondB2015			-5050	-5100	-5000	25-25	LBK	LBKT		Budakeszi 4/8 Szőlőskert-Tangazdaság		Hungary
I7587	SIMA10.181, Cuadricu	G	G2a2b		52839	0.04518	0.055	PASS	n/a	OlaldeScience2019	Context: Archaeological per	2900-2500 BCE	-2700	-2900	-2500		Iberia_CA	SE_Iberia_CA	Spain_C	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain
I2356	PULE1.22a	G	G2a2b		161740	0.149	0.091	QUESTION	n/a	LipsonNature2017	Context: Archaeological per	4500-4000 BCE	-4250	-4500	-4000		Balkans_CA	Tiszapolgar_ECA	Hungary_EarlyC_Tiszapolgar_contan	Pusztataskony-Ledence I.		Hungary
K2/33	K2per33	G	G2a2b							NeparáczkiSciRep2019		895- mid Xth c.	925	895	950		Magyar	Early Magyar Upper Tisza		Karos II/33		Hungary
TOLM 4	1649.	G	G2a2b							SzécsényiNagyProcRSocLondB2015		5310-5070 calBC (62	-5190	-5310	-5070	n.d.	LBK	LBKT		Tolna-Mözs		Hungary
I1893	ALE14a	G	G2a2b		59294	0.052	..	PASS	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	5034-4846 calBCE (6	-4945	-5034	-4846		Balkans_LN	Sopot_LN	Hungary_LN_Sopot	Alsónyék-Elkerülő 2. site		Hungary
IKI019	SK 599	G	G2a2b	Kolgeh	28167	0.02806	0.11	PASS	n/a	SkourtanioticCell2020	Context: Archaeological per	3500-3100 BCE	-3300	-3500	-3100		Anatolia_North_LC	Ikiztepe_LC	Turkey_Ikiztepe	Samsun Province	İkiztepe	Turkey
KO_57		G	G2a2b							StolarekSciRep2019		100-300 AD	200	100	300		Germanic	Wielbark culture	Wielbark_Kowalewko	Kowalewko (Greater Poland Province)		Poland
Bar31	L11W-546	G	G2a2b	YFull	1087822	3.301	..	PASS (litera	n/a	HofmanováPNAS2016	Direct: 95.4%; IntCal20, Ox	6417-6236 calBCE (7	-6322	-6417	-6236	Adult	Anatolia_N	Northwest_Anatolia_N (Ceramic)	Turkey_N.SG	Barcın Höyük	Level VIc; Buildin	Turkey
KRD002	TK_24_3	G	G2a2b	Kolgeh	177010	0.17643	0.27	PASS	n/a	SkourtanioticCell2020	Direct: 95.4%; IntCal20, Ox	5007-4846 calBCE (6	-4939	-5007	-4846		Levant_North_EMC	TellKurdu_EMC	Turkey_TellKurdu_EMC	Hatay Province	Tell Kurdu	Turkey
PCA0027	KO_22, Kow_22, ob. 2	G	G2a2b	Yleaf+pathPhynder						StolarekSciRep2019 from StolarekSciRep2018		~ 80-110/120 AD	97.5	80	120	40-59	Germanic	Wielbark B2a	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	150:C3	Poland
I1926	1V1a-H1	G	G2a2b	Yleaf+pathPhyn	219791	0.211	0.085	PASS	n/a	MathiesonNature2018	Direct (Warning NEED R_CC	3982-3632 calBCE (	-3807	-3982	-3632		Trypillia	Trypillia	Ukraine_Eneolithic_Trypillia_publis	Verteba Cave	..	Ukraine
I1295	MP13, Burial 18; inve	G	G2a2b	Yleaf+pathPhyn	152930	0.153	..	PASS	n/a	MathiesonNature2018	Direct (Warning UNPUBLISH	5885-5723 calBCE (6	-5793	-5885	-5723		Balkans_MP_Neolithic	Criş/Dudeşti_MN	Bulgaria_MalakPreslavets_N	Malak Preslavets	..	Bulgaria
MIG012	MIG012.B0101.TF1.1	G	G2a2b		305902					PapacSciAdv2021	Inferred	inferred	-1850	-2000	-1700		Unetice	Únětice Bohemia	Bohemia_CW_Early	Mikulovice_99, Bohemia		Czech Republic
I2744	CEG07b	G	G2a2b		298345	0.302	0.098	PASS	n/a	LipsonNature2017	Context: Archaeological per	5300-4900 BCE	-5100	-5300	-4900		Alfold_Linear_Pottery	ALPc_Szakalhat_MN	Hungary_MN_ALPc_Szakalhat	Cegléd, site 4/2		Hungary
GRG023	GLN 231A	G	G2a2b		379035	0.452	0.1315	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
Bar25		G	G2a2b							MarchiboRxiv2020		8384-8205 calBP	-6345	-6434	-6255		Anatolia_N	Northwest_Anatolia_N (Ceramic)		Barcın Höyük		Turkey
I3879	MP6, Burial 10; inven	G	G2a2b	Yleaf+pathPhyn	155886	0.153	0.134	PASS	n/a	MathiesonNature2018	Direct: 95.4%; IntCal20, Ox	5982-5755 calBCE (6	-5873	-5982	-5755		Balkans_MP_Neolithic	Criş/Dudeşti_MN	Bulgaria_MalakPreslavets_N_oHighI	Malak Preslavets	..	Bulgaria
I2743	CEG03b	G	G2a2b		252605	0.262	0.15	PASS (mtco	n/a	LipsonNature2017	Context: Archaeological per	5300-4900 BCE	-5100	-5300	-4900		Alfold_Linear_Pottery	ALPc_Szakalhat_MN	Hungary_MN_ALPc_Szakalhat	Cegléd, site 4/1		Hungary
I1882	BUD4a	G	G2a2b		176572	0.165	0.099	PASS	n/a	LipsonNature2017	Context: Archaeological per	5300-4900 BCE	-5100	-5300	-4900		LBK	LBKT_MN	Hungary_MN_LBK	Budakeszi, Szőlőskert-Tangazdaság		Hungary
I2110	4.V4a-H4	G	G2a2b	Yleaf+pathPhyn	164691	0.154	0.087	PASS	n/a	MathiesonNature2018	Direct: 95.4%; IntCal20, Ox	3911-3650 calBCE (4	-3747	-3911	-3650		Trypillia	Trypillia	Ukraine_Eneolithic_Trypillia	Verteba Cave	..	Ukraine
I9130	16V Tholos	G	G2a2b		92186	0.086	..	PASS	n/a	LazaridisNature2017	Context: Direct dates of fou	2210-1680 BCE	-1945	-2210	-1680		Minoan	Minoan_Odigitria	Greece_Minoan_Odigitria	Phaestos, South-western Crete	..	Greece
PCA0062	Kow_57, ob. 291	G	G2a2b	YLeaf+pathPhynder						StolarekSciRep2018		~ 80-260 AD	170	80	260	45-50	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	192:F6	Poland
LON003_LON004	LON003 (111)	G	G2a2b	Ted Kandell	395464	0.49731	0.1871	PASS (litera	n/a	MarcusNatCommun2020	Direct: 95.4%; IntCal20, Ox	4442-4252 calBCE (5	-4324	-4442	-4252		Sardinia_Neolithic	Sardinia_Neolithic	Italy_Sardinia_N	Seulo, CA	Grutta I de Longu	Italy
Ash033	TÜBİTAK-738	G	G2a2b	Yleaf+pathPhyn	19678	0.06851	0.38575			YakaCurrBiol2021	Direct date	7945-7890 (9%), 787	-7917.5	-7945	-7890	Child	Anatolia_EN	Central_Anatolia_EN (Aceramic)		Aşıklı Höyük	Level 2C, Building	Turkey
SFI-11	SFI-477, T24	G	G2a2b	Milan Rajevac	128215	0.11363	..	PASS	n/a	HaberAJHG2020	Direct: 95.4%; IntCal20, Ox	151 calBCE - 62 calC	-34	-151	62		Levant_Roman	Early Roman	Lebanon_ERoman.SG	Beirut SFI-477	T24	Lebanon
ROS57		G	G2a2b							BrunelPNAS2020		4700-4500 calBC	-4600	-4700	-4500		France_MN1	Grossgartach		Rosheim	Rosheim "Mittelf	France
I0744	M10-275	G	G2a2b	YFull	884258	2.39	0.219	PASS (Xcor	Turkey, Northwest Anat	MathiesonNature2015	Direct: 95.4%; IntCal20, Ox	6400-6239 calBCE (7	-6322.5	-6402	-6243	Infant	Anatolia_N	Northwest_Anatolia_N (Ceramic)	Turkey_N	Barcın Höyük	Level VId3 or VIc	Turkey
Asp6		G	G2a2b							MarchiboRxiv2020		7575-7474 calBP	-5575	-5625	-5524		LBK	Austria LBK		Asparn Schletz 2		Austria
I1097	BAR271 / M10-271	G	G2a2b	Yleaf+pathPhyn	755758	2.125	0.162	PASS (Xcor	Turkey, Northwest Anat	MathiesonNature2015	Direct: 95.4%; IntCal20, Ox	6420-6245 calBCE (7	-6337.5	-6424	-6251	Infant	Anatolia_N	Northwest_Anatolia_N (Ceramic)	Turkey_N	Barcın Höyük	Level VId3 or VIc	Turkey
I5204	SI5204, Ind. 14/2	G	G2a2b	FTDNA	850732	4.769	0.069	PASS	n/a	MathiesonNature2018	Context: Archaeological per	5500-4500 BCE	-5000	-5500	-4500		LBK	LBK_Austria	Austria_EN_LBK	Asparn / Schletz death pit	ind. 14/2	Austria
TOR.5	MF991442.1	G	G2a2b							FregelPNAS2018		5280-4780 calBC	-5030	-5280	-4780		Iberia_N	Iberia_EN	Iberia_EN	El Toro		Spain
GRG027	GLN 243A	G	G2a2b		752706	1.9358	0.1236	PASS (litera	France, Yonne, Gurgy "le	RivollatSciAdv2020	Direct: 95.4%; IntCal20, Ox	4840-4615 calBCE (5	-4740	-4840	-4615		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
GRG057	GLN 317	G	G2a2b		525978	0.89834	0.1303	PASS (litera	France, Yonne, Gurgy "le	RivollatSciAdv2020	Direct: 95.4%; IntCal20, Ox	4786-4547 calBCE (5	-4665	-4786	-4547		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
GRG035	GLN 256	G	G2a2b	Kolgeh	579510	1.10746	0.1465	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
HBS002	Fnr. 38 und 67	G	G2a2b	Kolgeh	63346	0.05771	0.0843	PASS (litera	n/a	RivollatSciAdv2020	Context: Layer dates of 520	5250-4800 BCE	-5025	-5250	-4800		LBK	Germany_LBK_HBS	Germany_EN_LBK	Saxony-Anhalt, Germany	Halberstadt	Germany
GRG021	GLN 227	G	G2a2b		703952	1.47921	0.08815	PASS (litera	France, Yonne, Gurgy "le	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
HBS009	Fnr. 87	G	G2a2b		262385	0.29581	0.0696	PASS (litera	n/a	RivollatSciAdv2020	Context: Layer dates of 520	5250-4800 BCE	-5025	-5250	-4800		LBK	Germany_LBK_HBS	Germany_EN_LBK	Saxony-Anhalt, Germany	Halberstadt	Germany
GRG043	GLN 280	G	G2a2b	Kolgeh	675473	1.62703	0.09625	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
I0727	M24 / UA JK 16	G	G2a2b	Kolgeh	45248	0.039	..	PASS (litera	n/a	MathiesonNature2015	Context: Archaeological per	6400-5600 BCE	-6000	-6400	-5600		Anatolia_N	Mentese Neolithic	Turkey_N_published	Mentese	..	Turkey
I2374	TOSM3a	G	G2a2b	Kolgeh	24882	0.021	0.107	QUESTION	n/a	LipsonNature2017	Context: Archaeological per	6000-5500 BCE	-5750	-6000	-5500		Balkans_EN	Körös Early Neolithic	Hungary_EN_Koros_contam	Törökszentmiklos Tiszapüspöki Karancs haroma		Hungary
GRG003	GLN 204	G	G2a2b		735617	1.80699	0.0899	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
GRG016	GLN 220	G	G2a2b		649358	1.32114	0.09145	PASS (litera	n/a	RivollatSciAdv2020	Direct: 95.4%; IntCal20, Ox	4542-4363 calBCE (5	-4457	-4542	-4363		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
I2788	GEN_60	G	G2a2b	Kolgeh	822177	1.881	0.085	PASS	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	3910-3644 calBCE (4	-3735	-3910	-3644		Balkans_LCA	Protoboleráz horizon	Hungary_LateC_Protoboleraz	Abony, Turjányos-dűlő		Hungary
HBS006	Fnr. 51	G	G2a2b		258224	0.29166	0.0638	PASS (litera	n/a	RivollatSciAdv2020	Context: Layer dates of 520	5250-4800 BCE	-5025	-5250	-4800		LBK	Germany_LBK_HBS	Germany_EN_LBK	Saxony-Anhalt, Germany	Halberstadt	Germany
I6334	S198	G	G2a2b		358031					SirakbioRxiv2021		1180±24 BP, UGAMS	770	746	794		Sudan_MA	Christian Period Nubia		Kulubnarti	21-S-46 (S cemet	Sudan
I6337	S79	G	G2a2b		579583					SirakbioRxiv2021		1320±22 BP, UGAMS	630	608	652		Sudan_MA	Christian Period Nubia		Kulubnarti	21-S-46 (S cemet	Sudan
GRG047	GLN 287	G	G2a2b		461739	0.66348	0.10405	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
GRG008	GLN 210	G	G2a2b		661417	1.30449	0.09485	PASS (litera	France, Yonne, Gurgy "le	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
R30	RMPR-30	G	G2a2b	YFull	925316	1.54701	..	PASS (litera	n/a	AntonioScience2019	Context: Archaeological per	300-700 CE	500	300	700		Italy_LA_EMA	Late Antiquity Rome	Italy_LA.SG	Mausoleo di Augusto	Mausoleo di Aug	Italy
R70	RMPR-70	G	G2a2b	YFull	822834	1.19999	..	PASS (litera	n/a	AntonioScience2019	Context: Archaeological per	100-300 CE	200	100	300		Italy_Imperial	Imperial Rome	Italy_Imperial_o4.SG	ANAS (Azienda Nazionale Autor	t. 71; Anas; Petro	Italy
GRG052	GLN 299	G	G2a2b		594341	1.14	0.13435	PASS (litera	n/a	RivollatSciAdv2020	Context: Archaeological per	5000-4000 BCE	-4500	-5000	-4000		France_MN	France_MN_GRG	France_MN	Yonne, France	Gurgy "les Noisat	France
I1896	SEKU10a	G	G2a2b		245617	0.239	0.079	PASS	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	5317-5074 calBCE (6	-5240	-5317	-5074		Balkans_N	Vinca_MN	Hungary_MN_Vinca	Szederkény-Kukorica-dűlő		Hungary
TU877(SX11)	TU877, Niederried Ur	G	G2a2b	Milan Rajevac	722899	1.99009	..	PASS	n/a	FurtwanglerNatCommun2020	Direct: 95.4%; IntCal20, Ox	4455-4355 calBCE (5	-4405	-4455	-4355		Switzerland_MN	Switzerland_MN	Switzerland_LN	Niederried Ursisbalm (CH)		Switzerland
POP33	SU1734 U887	G	G2a2b		710341	0.8637	0.02			FreilichSciRep2021	5529±99 BP, Z-5732	4603-4071 calBCE (5	-4337	-4603	-4071	26-32	Croatia_MN	Sopot culture	Croatia_Pop_MN	Beli Manastir-Popova zemlja, Osijek		Croatia
I2367	GEN_13a	G	G2a2b	FTDNA (SG)	836355	2.649	..	PASS (X-co	n/a	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	3333-2928 calBCE (4	-3135	-3333	-2928		Balkans_LCA	Hungary_Baden_LCA	Hungary_LateC_Baden_published	Budakalász		Hungary
N28	N28	G	G2a2b	Vladimir Tagank	984960	1.82491	..	PASS (litera	n/a	FernandesSciRep2018	Direct (Warning MISSING L	4251-3996 calBCE	-4124	-4251	-3996		Poland_N	Brześć Kujawski (BKG)	Poland_BKG.SG	Oslonki		Poland
N26	N26	G	G2a2b	Vladimir Tagank	1049737	2.26899	..	PASS (litera	n/a	FernandesSciRep2018	Direct: 95.4%; IntCal20, Ox	4335-4058 calBCE (5	-4227	-4335	-4058		Poland_N	Brześć Kujawski (BKG)	Poland_BKG.SG	Konary		Poland
Ess7		G	G2a2b							MarchiboRxiv2020		7050-6900 calBP	-5025	-5100	-4950		LBK	Germany LBK		Essenbach-Ammerbreite		Germany
N27	N27	G	G2a2b	Vladimir Tagank	1003248	1.93343	..	PASS (litera	n/a	FernandesSciRep2018	Context: Archaeological per	4600-4000 BCE	-4300	-4600	-4000		Poland_N	Brześć Kujawski (BKG)	Poland_BKG.SG	Oslonki		Poland
Pta08	#3014; Bag 156	G	G2a2b	YFull						ClementeCell2021	Lab No MAMS 36234	2858-2581 calBC	-2720	-2858	-2581		Greece_EBA	Minoan_EBA		Petras Siteias, East Crete		Greece
I2431	41	G	G2a2b	FTDNA (SG)	738279	2.444	0.048	PASS (Xcor	n/a	MathiesonNature2018	Direct: 95.4%; IntCal20, Ox	4784-4552 calBCE (5	-4674	-4784	-4552		Balkans_CA	Bulgaria_Middle_Chalcolithic	Bulgaria_C	Ivanovo	..	Bulgaria
LEPE52		G	G2a2b							MarchiboRxiv2020		7931-7693 calBP	-5862	-5981	-5743		Iron_Gates_HG_EN	Iron Gates E-MN		Lepenski Vir		Serbia
I0746	L11-322	G	G2a2b	YFull	1003994	8.465	0.15	PASS (Xcor	n/a	MathiesonNature2015	Direct: 95.4%; IntCal20, Ox	6070-5888 calBCE (6	-5978	-6070	-5888	Infant	Anatolia_N	Northwest_Anatolia_N (Ceramic)	Turkey_N	Barcın Höyük	Level VIa; Buildin	Turkey
I2369	GEN_15a	G	G2a2b		758484	1.664	0.083	PASS	Hungary, Budakalász-Lup	LipsonNature2017	Direct: 95.4%; IntCal20, Ox	3370-3101 calBCE (4	-3236	-3370	-3101		Balkans_LCA	Hungary_Baden_LCA	Hungary_LateC_Baden	Budakalász		Hungary
I8365	11837	G	G2a2b		886223	3.28481	0.134	PASS	n/a	OlaldeScience2019	Context: Archaeological per	2706-2569 BCE	-2638	-2706	-2569		Iberia_CA	SE_Iberia_CA	Spain_C	Sima del Ángel, Lucena, Córdoba, Andalusia		Spain

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	YTree	Source	Date	Mean	Simplified_Culture	Location	Country
I2354	PULE1.13a	47.5	20.5	M	T2c1	G2a2b2a1a1c1a	G2a-CTS5990	LipsonNature2017	4500-4000 BCE	-4250	Balkans_CA	Pusztataskony-Ledence I.	Hungary
I2368	GEN14a	47.6	19	M	U5b	G2a2b2a1a1c1a	G2a-CTS5990	LipsonNature2017	3300-2850 BCE	-3075	Balkans_LCA	Budakalász-Luppa csárda	Hungary
I8199	11853	37.2	-4.24	M	U5b1+16189+@16192	G2a2b2a1a1c1a	G2a-CTS5990	OlaldeScience2019	2900-2500 BCE	-2700	Iberia_CA	Sima del Ángel, Lucena, Córdoba, Andalusia	Spain
I3876	MA3	37.7	12.8	M	H1+16189!	G2a2b2a1a1c1a	G2a-CTS5990	FernandesNatEcolEvol2020	1107-901 calBCE	-978	Sicily_LBA	Sicily, Marcita	Italy
I3125	BU36A, grave 3036	37.9	13.5	M	K1a3a	G2a2b2a1a1c1a1	G2a-CTS5990*	FernandesNatEcolEvol2020	1612-1501 calBCE	-1540	Sicily_MBA	Sicily, Buffa	Italy
I10364	Lu Maccioni_Ind.A	40.5	8.32	M	J2b1a+16311C!	G2a2b2b1a1	G2a-CTS5990	FernandesNatEcolEvol2020	1150-800 BCE	-973	Sardinia_Nuragic	Sardinia, Alghero	Italy
I10373	MA4	37.7	12.8	M	K1a+195C!	G2a2b2a1a1c1a	G2a-Z3428	FernandesNatEcolEvol2020	1400-1100 BCE	-1250	Sicily_LBA	Sicily, Marcita	Italy
I3350	R18	30.3	79.7	M	H60a	G2a2b2a1a1c1a1a2	G2a-Z3428	HarneyNatCommun2019	1675-1943 calCE	1819	India_Modern	Roopkund Lake	India
R132	RMPR-132	41.9	12.5	M	R0a2j	G-Z3428	G2a-Z6434*	AntonioScience2019	215-338 calCE	280	Italy_Imperial	Marcellino & Pietro	Italy
I10045	P8U8A	44.7	18.1	M	H13b1+200	G2a2b2a1(xG2a2b2a1a1a,G2a2b2a1a1b,G2a2b2a1a1c1a,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10061	P8L11-2	44.7	18.1	M	H5	G2a2b2a1(xG2a2b2a1a1a1,G2a2b2a1a1a2a,G2a2b2a1a1a4,G2a2b2a1a1b,G2a2b2a1a1c1a,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10058	P8L9-3	44.7	18.1	M	K1b1b1	G2a2b2a1a(xG2a2b2a1a1c1a)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10046	P8L4	44.7	18.1	M	N1a1a1a3	G2a2b2a1(xG2a2b2a1a1a1,G2a2b2a1a1a2a,G2a2b2a1a1b,G2a2b2a1a1c1a,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10054	P8L12-2	44.7	18.1	M	H+16093C	G2a2b2a1a1c(xG2a2b2a1a1c1,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10294	P8L8-3	44.7	18.1	M	H+16093C	G2a2b2a1a1c(xG2a2b2a1a1c1,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10068	P8L2-2	44.7	18.1	M	T1a2	G2a2b2a1a1a(xG2a2b2a1a1a1,G2a2b2a1a1a2,G2a2b2a1a1a4)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10049	P8L1-3	44.7	18.1	M	U2+152C+3173A+339	G2a2b2a1(xG2a2b2a1a1a,G2a2b2a1a1b,G2a2b2a1a1c1,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
I10048	P8L1-2	44.7	18.1	M	U5b2c	G2a2b2a1a1c(xG2a2b2a1a1c1,G2a2b2a1a1c2)	G2a-pre-PF4202	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
HÜ-I/8		48.2	14.7	M		G2a	G2a-L497?	CemperKiesslichSalzburg2010	700 BC	-650	CEU_IA	Mitterkirchen	Austria
BIM37b	BIM_37	49	12.2	M	H5a1	G2a2b2a1a1b(1)	G2a-Z1815	VeeramahPNAS2018	580-620 CE	600	Germanic	Barbing-Irlmauth	Germany
I2366	GEN_12a	47.6	19	M	H26a	G2a2b2a1a1b1	G2a-Z1815	LipsonNature2017	3340-2937 calBCE	-3168	Balkans_LCA	Budakalász	Hungary
VK39	Sweden_Skara 181	58.4	13.7	M	T2b4b	G2a2b2a1a1b1a	G2a-Z1817	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
I1929	9 V9a-A22.2	48.8	25.9	F	H1b	G2a2b2a1a1b1a1a1	G2a-L43	MathiesonNature2018, first reported in NikitinPLoSONE2017	3619-2936 calBCE	-3228	Trypillia_Late	Verteba cave	Ukraine
I1927	8V8a-M5	48.8	25.9	M	H1b		G2a-L42	NikitinPLoSONE2017	3,700-3,500 cal BCE	-3600	Trypillia	Verteba cave	Ukraine
FN2	FN_2, Grave 1335	48.1	11.4	M	T1	G2a2b2a1a1b1a1a1a	G2a-Y64315	VeeramahPNAS2018	275-325 CE	300	CEU_Roman	Freiham-Nord district, Munich	Germany
R1224	RMPR-1224	41.9	12.5	M	T2b4f	G-CTS10391	G2a-S18765	AntonioScience2019	1480-1490 CE	1485	Italy_Renaissance	Cancelleria	Italy
VK479	Gotland_Kopparsvik-	57.6	18.3	M	H1a1	G2a2b2a1a1b1a1a2a1a	G2a-Y106451	MargaryanNature2020	900-1050 CE	975	Viking	Gotland	Sweden
R55	RMPR-55	41.7	13.1	M	J2b1a	G-Z30771	G2a-FGC8354*	AntonioScience2019	1280-1430 CE	1355	Italy_LMA	Villa Magna	Italy
R108	RMPR-108	41.9	12.5	M	T2b+150	G-Z726	G2a-S1786	AntonioScience2019	400-600 CE	500	Italy_LA	Crypta Balbi	Italy
BES1249	Bessan	43.4	3.43	M	?	G2a2b2a1a1b1a1a2b	G2a-Z16770	Fischer2019	200-50 calBC	-125	France_LIA	Bessan	France
RP/2		48.2	22	M		G2a2b2a1 99.9% (prediction based on network analysis)	G2a-L1266	FóthiArchaeolAnthropolSci2020	first half of the tenth	920	Magyar	Rétközberencs-Paromdomb	Hungary
RP/1		48.2	22	M		G2a2b2a1 98.5% (prediction based on network analysis)	G2a-L1266	FóthiArchaeolAnthropolSci2020	first half of the tenth	920	Magyar	Rétközberencs-Paromdomb	Hungary
DA179	Kar17	49	73.6	M	D4	G2a2b2a1a1a2b-PH1780	G2a-Z6922	DamgaardNature2018	1000-1200 CE	1100	Turkic	Central steppe	Kazakhstan
Uyelgi4	ULG11	55.8	61.6	M	A+152+16362	G2a2b2a1a1a2a	G2a-FT34	CsákySciRep2020	X-XI centuries	1000	Urals_Trans_EMA	Uyelgi, Chelyabinsk region	Russia
R1545	RMPR-1545	42.2	12.3	M	H8c	G-CTS9909	G2a-Z6759*	AntonioScience2019	1-400 CE	200	Italy_Imperial	Mazzano Romano	Italy
I1302	MIR24	42.3	-3.5	M	J2b1a3	G2a2b2b	G2a-PF3359	OlaldeScience2019	2900-2300 BCE	-2600	C_Iberia_CA	El Mirador Cave, Atapuerca, Burgos, Castilla y León	Spain
BOU4		43.5	3.56		K1b1a	G2a2b2b	G2a-PF3359	BrunelPNAS2020	3361-3103 calBC	-3232	France_LN	Corconne	France
I15944	2483, Tomb F	40.6	8.32	M	K2b1a	n/a (too low coverage)	G2a-PF3359	FernandesNatEcolEvol2020	4200-3050 BCE	-3625	Sardinia_Neolithic	Sardinia, Anghelu Ruju	Italy
I15947	2486, Tomb F	40.6	8.32	M	R+16189C!	G2a2b2b	G2a-PF3359	FernandesNatEcolEvol2020	4200-3050 BCE	-3625	Sardinia_Neolithic	Sardinia, Anghelu Ruju	Italy
merge_ANI159_AN	VAR117-I	43.2	27.9	M	T2b2b	G2a2b2b	G2a-PF3359	MathiesonNature2018	4714-4506 calBCE	-4616	Balkans_N	Varna	Bulgaria
I2532	ROM1, P1 square 1 -3	45.5	27	M	K1a2	G2a2b2b	G2a-CTS8176*	MathiesonNature2018	5721-5623 calBCE	-5664	Balkans_N	Coţatcu	Romania
Bon004	ZHBJ	37.8	32.9	M	N1a1a1	G2a2b2b	G2a-CTS8176	KılınçCurrBiol2016	8300-7952 BCE	-8126	Anatolia_EN	Boncuklu Höyük	Turkey
I0676	MACE7, KV VIII, SE 51	41.9	21.4	M	J1c1	G2a2b2b1	G2a-PF3359(PF3430?)	MathiesonNature2018	5979-5732 calBCE	-5842	Balkans_N	Govrlevo, Sopi_te, Skopje	Macedonia
I1877	BAM13b	46.2	18.7	M	X2d1	G2a2b2b1	G2a-PF3430	LipsonNature2017	5713-5556 calBCE	-5617	Starcevo	Alsónyék-Bátaszék, Mérnöki telep	Hungary
I2739	GEN18	46.2	18.7	M	T2c1	G2a2b2b1	G2a-PF3430	LipsonNature2017	5307-5069 calBCE	-5208	LBK	Alsónyék-Bátaszék, site 11	Hungary
ZKO	ZKO	37.8	32.9	M	U3	G2a2b2b1	G2a-PF3430(xPF3378)	FeldmanNature2019	8300-7600 BCE	-7950	Anatolia_EN	Boncuklu Höyük	Turkey
PEI2	PEI2	43.1	2.25	M	H1	G2a2b2b1a1~	G2a-PF3355	BrunelPNAS2020	2950-2650 BCE	-2800	Bell_Beaker	Dolmen des Peirières	France
BRC013		45.5	11.6	M	H5a1b	G2a3-F705	G2a-PF3355(xF991,xPF3420,x	SaupeCurrBiol2021	failed C14 dating	-3134	Italy_CA	Grottina dei Covoloni del Broion, Italy	Italy
JK2839	JK2839, cr.2 (6879)	39.9	8.4	M	V	G2a2b2b1a1	G2a-PF3355	MarcusNatCommun2020	1258-1054 calBCE	-1161	Sardinia_Nuragic	Cabras, OR	Italy
Bon001	ZHF	37.8	32.9	M	U3	G2a2b2b	G2a-PF3355	KılınçCurrBiol2016	8212-7952 BCE	-8082	Anatolia_EN	Boncuklu Höyük	Turkey
I2521	No7, No. 7 (Early Neo	43.2	25.9	M	H	G2a2b2b1a	G2a-F2214*	MathiesonNature2018	5621-5481 calBCE	-5553	Balkans_N	Dzhulyunitsa	Bulgaria
R4	RMPR-4	42	13.5	M	K1a+195	G-F1193	G2a-pre-F991	AntonioScience2019	2906-2880 calBCE	-2891	Italy_CA	Grotta Continenza	Italy
BRC022		45.5	11.6	M	H5a1b	G2a3-F1193	G2a-PF3378(xPF3409,xZ7025,	SaupeCurrBiol2021	4489 ± 41 BP	-3217	Italy_CA	Grottina dei Covoloni del Broion, Italy	Italy
BRC001/023		45.5	11.6	M	J2a1a1	G2a3-F1193-F2291	G2a-PF3378(xPF3409,xZ7025,	SaupeCurrBiol2021	4430 ± 40 BP	-3124	Italy_CA	Grottina dei Covoloni del Broion, Italy	Italy
I1880	LGCS1a	46	18.6	M	W5	G2a2b2b1a	G2a-PF3378	LipsonNature2017	5800-5500 BCE	-5650	Starcevo	Lánycsók, Gata-Csatola	Hungary
ORC006	ORC006	39.7	9.43	M	H1	G2a2b2b1a1a	G2a-PF3378(PF3376?)	MarcusNatCommun2020	1263-1057 calBCE	-1173	Sardinia_Nuragic	Perdasdefogu, NUO	Italy
I10280	GN.89.E2.379a	41.4	1.57	M	J1c1	G2a2b2b1a1	G2a-PF3378	OlaldeScience2019	3400-2500 BCE	-2950	NE_Iberia_MLN	Cova de la Guineu, Font-rubí, Barcelona, Catalonia	Spain
I1314	MIR26	42.3	-3.5	M	J2a1a1	G2a2b2b1a1	G2a-PF3378	OlaldeScience2019	2900-2300 BCE	-2600	C_Iberia_CA	El Mirador Cave, Atapuerca, Burgos, Castilla y León	Spain
R29	RMPR-29	40.8	8.44	M	J2b1a	G-PF3359	G2a-PF3378	AntonioScience2019	3500-900 BCE	-2200	Italy_CA_BA	Su Crocefissu	Italy
I16164	2463, G1	40.4	8.64	M	K1a3a	G2a2b2b1a1	G2a-PF3378	FernandesNatEcolEvol2020	2571-2343 calBCE	-2465	Sardinia_Chalcolithic	Sardinia, Sa Ucca de su Tintirriolu	Italy
I10365	Seulo_Ind.B	39.9	9.23	M	T2b3a	G2a2b2b1a1	G2a-PF3378	FernandesNatEcolEvol2020	1663-1234 calBCE	-1454	Sardinia_Nuragic	Sardinia, Seulo	Italy
I3642	Lu Maccioni_31, Neo-	40.5	8.32	M	T2c1d	G2a2b2b1a1	G2a-PF3378	FernandesNatEcolEvol2020	1121-936 calBCE	-1044	Sardinia_Nuragic	Sardinia, Alghero	Italy
vik_grt035	vik_grt035	59.6	17.7	M	H	G2a2 (G-L1259*)	G2a-PF3420	KrzewińskaCurrBiol2018	886-1029 calCE	956	Viking	Sigtuna	Sweden
DA198	Sandorfalva_Ai Eperje	46.3	20.2	M	H7a1		G2a-BY200659	DamgaardNature2018	737-392 calBCE	-491	Scythian	Europe	Hungary
MA2208	940826, S2 (skeleton	39.3	33.8		H6a1b2e	G2a2b1	G2a-M406	DamgaardScience2018	2500-1200 BCE	-1850	Anatolia_MBA	Kalehöyük	Turkey
CBT005	Grave 5, 464-4072	40	34.6	M	K1a	G2a2b1	G2a-M406	SkourtaniotiCell2020	3623-3376 calBCE	-3465	Anatolia_Central_LC	Çorum Province	Turkey
I12293	UfaNov17-052, Ksirov	37.4	68.2	M	U2e1e	..	G2a-M406(xL645)	NarasimhanPattersonScience2019	200 BCE - 100 CE	-50	Turan_IA	Ksirov	Tajikistan
IKI037	SK 675	41.6	35.9	M		G2a2b1	G2a-M406	SkourtaniotiCell2020	3634-3381 calBCE	-3546	Anatolia_North_LC	Samsun Province	Turkey
ART024	S216 Temp1	38.4	38.4	M	X2i+@225	G2a2b1	G2a-PF3299*	SkourtaniotiCell2020	3501-3349 calBCE	-3424.5	Anatolia_East_LC	Malatya Province	Turkey
ART014	S216 Cr2	38.4	38.4	M	X2i+@225	G2a2b1	G2a-PF3299*	SkourtaniotiCell2020	3491-3108 calBCE	-3409	Anatolia_East_LC	Malatya Province	Turkey
ART027	S216 Temp4; merged	38.4	38.4	M	T1	J2a1a1a2b1b	G2a-PF3299(xFGC5089,xPF32	SkourtaniotiCell2020	3369-3103 calBCE	-3240	Anatolia_East_LC	Malatya Province	Turkey
CBT014	Grave 14, 971-6144	40	34.6	M	H5	G2a2b1a	G2a-FGC5089	SkourtaniotiCell2020	3637-3386 calBCE	-3568	Anatolia_Central_LC	Çorum Province	Turkey
CBT013	Grave 13, 950-6118	40	34.6	M	HV1	G2a2b1a	G2a-FGC5089	SkourtaniotiCell2020	3639-3528 calBCE	-3584	Anatolia_Central_LC	Çorum Province	Turkey
CBT015	Grave 15, 978-6140	40	34.6	M	U3a2	G2a2b1a	G2a-FGC5089	SkourtaniotiCell2020	3637-3526 calBCE	-3575	Anatolia_Central_LC	Çorum Province	Turkey
R131	RMPR-131	41.9	12.5	M	T1a12	G-FGC5089	G2a-L14*	AntonioScience2019	1-200 CE	100	Italy_Imperial	Via Paisiello (Necropoli Salaria)	Italy
SFI-15	SFI-477, T32	33.9	35.5	M	I1c1	G2a2b1a2-M3302	G2a-Y132816	HaberAJHG2020	170 calBCE - 17 calCE	-77	Levant_Roman	Beirut SFI-477	Lebanon
R47	RMPR-47	41.8	12.5	M	J1c1c	G-M406	G2a-S11415	AntonioScience2019	241-341 calCE	295	Italy_Imperial	Centocelle	Italy
atp005	ATP5	42.4	-3.52	M	J2b1a	G2a2a	G2a-PF3146	ValdioseraPNAS2018	5214-5015 calBCE	-5119	Iberia_EN	El Portalón, Atapuerca	Spain
I0048	HAL25	51.9	11	M	K1a	G2a2a1	G2a-PF3146	MathiesonNature2018, new lib	5210-5003 calBCE	-5107	LBK	Halberstadt-Sonntagsfeld	Germany
HBS008	Fnr. 63	51.9	11	M	K1a	G2a2a	G2a-PF3146	RivollatSciAdv2020	5250-4800 BCE	-5025	LBK	Saxony-Anhalt, Germany	Germany
I2020	HAL20b	51.9	11	M	K1a2	G2a2a	G2a-PF3146	LipsonNature2017	5500-4850 BCE	-5175	LBK	Halberstadt-Sonntagsfeld	Germany
I2026	HAL27a	51.9	11	M	N1a1a1a3	G2a2a	G2a-PF3146	LipsonNature2017	5500-4850 BCE	-5175	LBK	Halberstadt-Sonntagsfeld	Germany
MX298	Wartau 33.006.101.9	47.5	9.29		X2b4	G2a2ba	G2a-PF3146	FurtwaenglerNatCommun2020	2622-2349 calBCE	-2511	Switzerland_FN_EBA	Wartau (CH)	Switzerland
I3276	LHUE2010.11, AH11J-	42.6	-2.57	M	V	G2a2a	G2a-PF3146	OlaldeScience2019	3096-2913 calBCE	-3005	Iberia_CA	Alto de la Huesera, Laguardia, Araba/Álava, Basque	Spain
I2021	HAL21a	51.9	11	M	T2b	G2a2a	G2a-PF3146	LipsonNature2017	5500-4850 BCE	-5175	LBK	Halberstadt-Sonntagsfeld	Germany
I0056	HAL14	51.9	11	M	T2b	G2a2a	G2a-PF3146	MathiesonNature2018, new lib	5211-5002 calBCE	-5109	LBK	Halberstadt-Sonntagsfeld	Germany
FLR010	FLR 28-6	49.2	-0.38	M	T2c1d+152	G2a2a	G2a-PF3146	RivollatSciAdv2020	4447-4346 calBCE	-4395	France_MN	Calvados, France	France
I0551	SALZ3B	51.5	11.8	M	U3a1	G2a2a	G2a-PF3146(xPF3148?)	MathiesonNature2015	3400-3025 BCE	-3213	CEU_MN	Salzmuende-Schiebzig	Germany
MX219	125003	47.3	7.66		K	G2a2a	G2a-PF3146	FurtwaenglerNatCommun2020	3331-3022 calBCE	-3180	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
GCP002		41.8	13.4	M	U5b2b5	G2	G2a-PF3146(xPF3148)	SaupeCurrBiol2021	failed C14 dating	-1556	Italy_BA	Regina Margherita	Italy
I2371	GEN_17a	47.3	19.2	M	U5b3f	G2a2a	G2a-PF3146	LipsonNature2017	3361-3099 calBCE	-3219	Balkans_LCA	Alsonemedi	Hungary
I6272	KLADY_DLP	44.4	40.4	M	U1b1	G2a2a	G2a-PF3146(xPF3148)	WangNatCommun2019	3337-2925 calBCE	-3131	Maykop	Dlinnaya Polyana	Russia
Tep003	TP'09 16 K	38.2	34.5	M	N1b1a	G2a2a	G2a-PF3146*	KılınçCurrBiol2016	6570-6422 calBCE	-6469	Anatolia_N	Tepecik-Çiftlik Höyük	Turkey
I8569	Q1-N-1	40.3	0.28	M	H1ah	G2a2a1	G2a-PF3148	OlaldeScience2019	2872-2626 calBCE	-2742	Iberia_CA	Cova dels Diablets, Alcalá de Xivert, Castelló/Castellón	Spain
I2037	HAL39b, HAL39_8277	51.9	11	M	H1e	G2a2a	G2a-PF3148	LipsonNature2017	5210-4998 calBCE	-5100	LBK	Halberstadt-Sonntagsfeld	Germany
I1842	LY.II.A.10.15064	42.6	-2.7	M	H1e1a	G2a2a1	G2a-PF3148	OlaldeScience2019	3000-2800 BCE	-2900	Iberia_CA	Las Yurdinas II, Peñacerrada-Urizaharra, Araba/Álava	Spain
HBS007	Fnr. 52	51.9	11	M	H2a2	G2a2a1	G2a-PF3148	RivollatSciAdv2020	5250-4800 BCE	-5025	LBK	Saxony-Anhalt, Germany	Germany
FLR005	FLR 37-5	49.2	-0.38	M	J1c1b1	G2a2a1	G2a-PF3148	RivollatSciAdv2020	4444-4262 calBCE	-4353	France_MN	Calvados, France	France
I1901	VEJ5a	47.1	17.9	M	J1c2	G2a2a1	G2a-PF3148	LipsonNature2017	4900-4300 BCE	-4600	Lengyel	Veszprém Jutasi út	Hungary
FLR003	FLR 19-5	49.2	-0.38	M	J2a1a1	G2a2a1	G2a-PF3148	RivollatSciAdv2020	4531-4356 calBCE	-4426	France_MN	Calvados, France	France
CCH289	UCIAMS-143258	37.7	32.8	M	K1a	G2a2a1	G2a-PF3148	YakaCurrBiol2021	6905-6885 (1%)	-6895	Anatolia_N	Çatalhöyük	Turkey
I1876	BAM4a	46.2	18.7	M	K1a4	G2a2a1	G2a-PF3148	LipsonNature2017	5656-5536 calBCE	-5591	Starcevo	Alsónyék-Bátaszék, Mérnöki telep	Hungary
I1904	BAL25b	46.2	18.7	M	K1b1a	G2a2a1	G2a-PF3148	LipsonNature2017	5209-4941 calBCE	-5060	LBK	Bátaszék-Lajvér	Hungary
I0659	HAL2	51.9	11	M	N1a1a1a2	G2a2a1	G2a-PF3148	MathiesonNature2018, new lib	5210-4952 calBCE	-5081	LBK	Halberstadt-Sonntagsfeld	Germany
I7601	LL10, S-EVA 22877	38.7	-0.49	M	X2b+226	G2a2a1	G2a-PF3148	OlaldeScience2019	3660-3520 calBCE	-3590	Iberia_MLN	Les Llometes, Alcoi, Alacant/Alicante, Valencian	Spain
I0821	HAL24	51.9	11	M	X2d1	G2a2a1	G2a-PF3148	LipsonNature2017	5205-4847 calBCE	-4988	LBK	Halberstadt-Sonntagsfeld	Germany
I0723	T1, M229 / UH	40.3	29.7	M	X2m2	G2a2a1	G2a-(pre-?)PF3148	MathiesonNature2015	6008-5835 calBCE	-5920	Anatolia_N	Mentese	Turkey
POP36	SU1738 U891	45.3	18.7	M	H	G2a2a1	G2a-PF3148	FreilichSciRep2021	4700-4300 BCE	-4500	Croatia_MN	Beli Manastir-Popova zemlja, Osijek	Croatia
FUC003	H62 UE 622	42.4	-3.73	M	U	G2a2a1	G2a-PF3148	VillalbaMoucoCurrBiol2019	5209-4947 calBCE	-5069	Iberia_EN	Fuente Celada	Spain
JAG82	SU6190 U2153	45.3	18.7	M	U2e1a1	G2a2a1-PF3148	G2a-PF3148	FreilichSciRep2021	1800-1600 BCE	-1700	Croatia_MBA	Jagodnjak-Krcevine, Osijek	Croatia
I6604	Yese 2A, Area 10 UE0	40.4	-3.5	M	U5b1c	G2a2a1	G2a-PF3148	OlaldeNature2018	2130-1896 calBCE	-1997	Iberia_CA	Camino de las Yeseras, Madrid	Spain
I7598	LL25	38.7	-0.49	M	U5b3	G2a2a1	G2a-PF3148	OlaldeScience2019	3630-3370 calBCE	-3500	Iberia_MLN	Les Llometes, Alcoi, Alacant/Alicante, Valencian	Spain
I8246	Grave 5, Individual 1	34.8	72.3	M	U2c1a	G2a2a1	G2a-PF3148	NarasimhanPattersonScience2019	970-550 BCE	-760	Swat_IA	Swat Valley, Aligrama	Pakistan
I4893	feature 552 / Grave 1	50.1	14.5	M	U5b1b1	G2a2a1	G2a-FTA29811	OlaldeNature2018	4446-4347 calBCE	-4395	CEU_MN	Prague 8, Kobylisy, Ke Stírce Street	Czech Republic
I5072	KG2	43.4	16.5	M	H7c	G2a2a1	G2a-PF3177(xBY182515,xFGC	MathiesonNature2018	5657-5558 calBCE	-5600.5	Balkans_N	Kargadur	Croatia
ETM018	TM.98.AA.310	35.8	36.8	M	J1b1b1	G2a	G2a-PF3177	SkourtaniotiCell2020	2137-1959 calBCE	-2054	Levant_North_EMBA	Idlib Governorate	Syria
I7192	I7192	50.1	14.2	M	J1c1	G2a2a1a	G2a-PF3177	PapacSciAdv2021	4840±25 BP	-3615	CEU_N	Makotřasy_96/61-b1, Bohemia	Czech Republic
I6914		48.1	16.3		K1b1a	G2a2a1a	G2a-PF3177	NikitinSciRep2019	5464-5234 calBC	-5349	LBK	Brunn am Gebirge	Austria
FLR007	FLR 953A	49.2	-0.38	M	U5b1c	G2a2a1a	G2a-PF3177	RivollatSciAdv2020	4446-4331 calBCE	-4376	France_MN	Calvados, France	France
MSR002	MSN 284 NT3	39.2	8.49	M	H13b1	G2a2a1a	G2a-PF3177(xFGC6669,Z6488,	MarcusNatCommun2020	796-570 calBCE	-724	Punic	Carbonia, CI	Italy
I10047	P8L1	44.7	18.1	M	U2+152C+3173A+339	G2a2a1a(xG2a2a1a2)	G2a-PF3177(xL91)	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
MX150	125405	47.3	7.66		H4a1a	G2a	G2a-L91	FurtwaenglerNatCommun2020	3350-3101 calBCE	-3173	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
I5117	HUNG848, 3 (12039)	47.8	20.9	M	K1a2	G2a2a1a2	G2a-L91	OlaldeNature2018	3300-3000 BCE	-3150	Balkans_LCA	Mezőcsát-Hörcsögös	Hungary
I4141	I5043, RISE585, F0593	48.8	17	M	U4c1a	G2a2a1a2	G2a-L91	OlaldeNature2018	2800-1800 BCE	-2300	Unetice	Moravská Nová Ves	Czech Republic
I10053	P8L11	44.7	18.1	M	H5b	G2a2a1a2(xG2a2a1a2a)	G2a-L91(xZ6488)	NovakPLoSONE2021	~4200 BC	-4150	Croatia_C	Potočani	Croatia
RA58	Muttenz6, SNPRA58	47.3	7.38	M	H7d	G2a2a1a2a	G2a-Z6488	FurtwaenglerNatCommun2020	3010-2884 calBCE	-2915	Switzerland_LN	Muttenz (CH)	Switzerland
I1889	SEKU1a	45.6	18.3	M	K1a2	G2a2a1a2a	G2a-Z6488	LipsonNature2017	5205-4848 calBCE	-4993	Balkans_N	Szederkény-Kukorica-dűlő	Hungary
MX204	126088	47.3	7.66		K1a2b	G2a2a1a2a	G2a-Z6488	FurtwaenglerNatCommun2020	3400-2600 BCE	-3000	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
Aes24	Aes24	47.5	7.6	M	K2b1a	low coverage	G2a-Z6488	FurtwaenglerNatCommun2020	2915-2874 calBCE	-2894.5	Switzerland_LN	Aesch (CH)	Switzerland
I0698	YABA2 or YABA4	42.1	25.8	M	H	G2a2a1a2a	G2a-Z6488(xFGC2308,xY1408	MathiesonNature2018	6000-5900 BCE	-5950	Balkans_N	Yabalkovo	Bulgaria
I2792	GEN64	45.3	19.1	M	T2c2	G2a2a1a2a	G2a-Z6488(xFGC2308,xZ6778;	MathiesonNature2018	2872-2580 calBCE	-2726	Vucedol	Vucedol Tell	Croatia
I1103	M11-S-350	40.3	29.6	M	K1b1b1	G2a2a1a2a	G2a-Z6128(xFGC2308,xZ6778)	MathiesonNature2015	6500-6200 BCE	-6350	Anatolia_N	Barcın Höyük	Turkey
I1583	I1583_published, I158	40.3	29.6	M	K1a2	G2a2a1a2a	G2a-FGC2315(xFGC2308,xZ67	MathiesonNature2015	6424-6233 calBCE	-6323	Anatolia_N	Barcın Höyük	Turkey
I1099	L11-S-488	40.3	29.6	M	T2b	G2a2a1a2a	G2a-FGC2315(xFGC2308,xZ67	MathiesonNature2015	6500-6200 BCE	-6350	Anatolia_N	Barcın Höyük	Turkey
RISE374	Grave 147	46.2	20.2	M	T2b	G2a2a1a2a	G2a-FT203426	AllentoftNature2015	1872-1565 calBCE	-1693	Balkans_EBA	Szöreg, Sziv Utca	Hungary
JAG34	SU1277 U329_330_64	45.3	18.7	M	K2a	G2a2a1a2a2a1~-Z31	G2a-pre-Z6778	FreilichSciRep2021	1879-1642 calBCE	-1760.5	Croatia_MBA	Jagodnjak-Krcevine, Osijek	Croatia
JAG06	SU752 U76	45.3	18.7	M	T2b11	G2a2a1a2a2a1~-Z31	G2a-pre-Z6778	FreilichSciRep2021	1800-1600 BCE	-1700	Croatia_MBA	Jagodnjak-Krcevine, Osijek	Croatia
JAG58	SU1808 U456	45.3	18.7	M	T2b11	G2a2a1a2a2a1~-Z31	G2a-pre-Z6778	FreilichSciRep2021	1800-1600 BCE	-1700	Croatia_MBA	Jagodnjak-Krcevine, Osijek	Croatia
JAG78	SU6121 U2166	45.3	18.7	M	U5b1b1a	G2a2a1a2a2a1~-Z31	G2a-pre-Z6778	FreilichSciRep2021	1800-1600 BCE	-1700	Croatia_MBA	Jagodnjak-Krcevine, Osijek	Croatia
MX182	126744	47.3	7.66		K1a	G2a2a1a2a1	G2a-pre-PF3239	FurtwaenglerNatCommun2020	3341-3032 calBCE	-3208	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
MX183	125564	47.3	7.66		K1a+195	G2a2a1a2a1	G2a-PF3239	FurtwaenglerNatCommun2020	3344-3036 calBCE	-3083	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
I3528	GEN85, Grave 276	47.6	19	M	HV4a1+16291	G2a2a1a2a1	G2a-PF3239	OlaldeNature2018	2562-2299 calBCE	-2414	Bell_Beaker	Budakalász, Csajerszke (M0 Site	Hungary
I18968	Sc.B	40.8	8.6	M	J1c3	G2a2a1a2a1a	G2a-PF3239(pre-Z6802?)	MarcusNatCommun2020	2470-2306 calBCE	-2402	Sardinia_LCA	Sennori, SAS	Italy
NOE001	Noe 4	40.7	8.59	M	H1	G2a2a1a2a1	G2a-PF3239(xL166)	MarcusNatCommun2020	4246-4001 calBCE	-4140	Sardinia_Neolithic	Ossi, SS	Italy
I18970	Sc.A	40.8	8.6	M	J2b1a	G2a2a1a2a1a	G2a-PF3239(xL166)	MarcusNatCommun2020	2452-2200 calBCE	-2287	Sardinia_LCA	Sennori, SAS	Italy
MX212	125594	47.3	7.66		H1	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3341-3095 calBCE	-3101	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
Aes12	Aes12	47.5	7.6	M	H1	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3010-2883 calBCE	-2947	Switzerland_LN	Aesch (CH)	Switzerland
Aes19	Aes19	47.5	7.6	M	H1	G2a2a1a2a1	G2a-pre-L166	FurtwaenglerNatCommun2020	3100-2650 BCE	-2875	Switzerland_LN	Aesch (CH)	Switzerland
Aes1	Aes1	47.5	7.6	M	H1+152	G2a2a1a2a1	G2a-pre-L166	FurtwaenglerNatCommun2020	3090-2916 calBCE	-3003.5	Switzerland_LN	Aesch (CH)	Switzerland
RA62	Muttenz4, SNPRA62	47.3	7.38	M	H1+16311	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	2923-2883 calBCE	-2903	Switzerland_LN	Muttenz (CH)	Switzerland
Aes17	Aes17	47.5	7.6	M	H10+(16093)	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3011-2888 calBCE	-2950	Switzerland_LN	Aesch (CH)	Switzerland
Aes4	Aes4	47.5	7.6	M	H3	G2a2a1a2a1a	G2a-pre-L166	FurtwaenglerNatCommun2020	3098-2921 calBCE	-3010	Switzerland_LN	Aesch (CH)	Switzerland
Aes6	Aes6	47.5	7.6	M	H5	G2a2a	G2a-pre-L166	FurtwaenglerNatCommun2020	2905-2706 calBCE	-2832	Switzerland_LN	Aesch (CH)	Switzerland
Aes23	Aes23	47.5	7.6	M	J2b1a	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	2885-2669 calBCE	-2778.5	Switzerland_LN	Aesch (CH)	Switzerland
Aes22	Aes22	47.5	7.6	M	J2b1a2	G2a2a1a2a1	G2a-pre-L166	FurtwaenglerNatCommun2020	2892-2677 calBCE	-2793	Switzerland_LN	Aesch (CH)	Switzerland
MX210	124823	47.3	7.66		K1a2b	G2a2a1a2a1a	G2a-pre-L166	FurtwaenglerNatCommun2020	3400-2600 BCE	-3000	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
RA61	RA61_RA60, Muttenz	47.3	7.38		K1a4a1	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	2906-2706 calBCE	-2854	Switzerland_LN	Muttenz (CH)	Switzerland
MX187	125474	47.3	7.66		K1a+195	G2a2a1a2a1a	G2a-pre-L166	FurtwaenglerNatCommun2020	3337-2909 calBCE	-3122.5	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
MX211	125110	47.3	7.66		K1a+195	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3264-2923 calBCE	-3054	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
MX209	127145	47.3	7.66		K1a+195	G2a2a1a2a1	G2a-pre-L166	FurtwaenglerNatCommun2020	3400-2600 BCE	-3000	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
MX213	126743	47.3	7.66		K1b1a	G2a2a1a2a1a	G2a-pre-L166	FurtwaenglerNatCommun2020	3365-2928 calBCE	-3175	Switzerland_LN	Oberbipp Horgen (CH)	Switzerland
Aes20	Aes20	47.5	7.6	M	K2b1a	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	2917-2876 calBCE	-2895.5	Switzerland_LN	Aesch (CH)	Switzerland
Aes13	Aes13	47.5	7.6	M	X2b+226	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3013-2900 calBCE	-2958.5	Switzerland_LN	Aesch (CH)	Switzerland
Aes21	Aes21	47.5	7.6	M	U8b1b	low coverage	G2a-pre-L166	FurtwaenglerNatCommun2020	3100-2650 BCE	-2875	Switzerland_LN	Aesch (CH)	Switzerland
Aes14	Aes14	47.5	7.6	M	U5a1c1	G2a2a1a2a1	G2a-pre-L166	FurtwaenglerNatCommun2020	3012-2897 calBCE	-2956	Switzerland_LN	Aesch (CH)	Switzerland
Aes7	Aes7	47.5	7.6	M	U5b2b2	G2a2a1a2a1a	G2a-pre-L166	FurtwaenglerNatCommun2020	3100-2500 BCE	-2800	Switzerland_LN	Aesch (CH)	Switzerland
I15942	2481, Tomb E	40.6	8.32	M	H4a1a+195C!	G2a2a1a2a1	G2a-L166	FernandesNatEcolEvol2020	2459-2209 calBCE	-2347	Sardinia_Ch	Sardinia, Anghelu Ruju	Italy
I5118	HUNG849, 4 (12040)	47.8	20.9	M	H+16129	G2a2a1a2a1a	G2a-L166	OlaldeNature2018	3300-3000 BCE	-3150	Balkans_LCA	Mezőcsát-Hörcsögös	Hungary
UNTA58_68Sk1	UNTA58_68Sk1	48.3	10.9	M	J1c	G2a2a1	G2a-L166	MittnikScience2019	2462-2209 calBCE	-2352	Bell_Beaker	Haunstetten – Unterer Talweg 58	Germany
E09538	Feature 68 Skeleton 1	48.3	10.9	M	J1c	G2a2a1a2a1a	G2a-L166	OlaldeNature2018	2464-2210 calBCE	-2337	Bell_Beaker	Unterer Talweg 58-62, Augsburg	Germany
I14677	1269, Tomb III Cella A	40.8	8.59	M	K1a1b1	G2a2a1a2a1	G2a-L166	FernandesNatEcolEvol2020	2464-2294 calBCE	-2379	Sardinia_Ch	Sardinia, Serra Crabiles	Italy
I14678	1270, Tomb III Cella A	40.8	8.59	M	V	G2a2a1a2a1	G2a-L166	FernandesNatEcolEvol2020	2454-2201 calBCE	-2297	Sardinia_Ch	Sardinia, Serra Crabiles	Italy
TU876(SX10)	TU876, Rapperswil Z	47.2	8.82	M	U3a1	G2a2a1a2a1a	G2a-L166	FurtwaenglerNatCommun2020	2750-2450 BCE	-2600	Switzerland_LN	Rapperswil Zürichstrasse (CH)	Switzerland
Iceman	Iceman, Otzi, EU81046	46.8	10.8	M	K1	G2a2a1a2a1a	G2a-FGC5672*	KellerNatCommun2012	3486-3102 calBCE	-3249	Italy_BA	Ötz valley, Tyrol	Italy
R64	RMPR-64	41.7	13.1	M	HV0a	G-Z6800	G2a-Z6228	AntonioScience2019	1070-1150 calCE	1110	Italy_MA_M	Villa Magna	Italy
R52	RMPR-52	41.7	13.1	M	T1a1	G-PF3239	G2a-Z6228	AntonioScience2019	1280-1430 CE	1355	Italy_LMA	Villa Magna	Italy
AMC014		40.6	8.35	M	T2b		G2a-PF3230	MarcusNatCommun2020	126-310 calCE	205	Sardinia_Imperial	Alghero, SS	Italy
Klei10	Klei10	40.4	21.9	M	K1a2	G2a2a1a2	G2a-Z42562*	HofmanováPNAS2016	4446-4351 calBCE	-4398	Greece_N	Kleitos	Greece
SFI-47	SFI-1075, T27 cxt 254	33.9	35.5	M	W6	G2a2a1a2-L91	G2a-BY45264	HaberAJHG2020	540-330 BCE	-435	Levant_Achaemenid	Beirut SFI-1075	Lebanon
I2510	No1, No. 1	43.2	25.9	M	H4a1	G2a2a1a2	G2a-FTA37257	MathiesonNature2018	2907-2704 calBCE	-2844	Balkans_BA	Dzhulyunitsa	Bulgaria
R9	RMPR-9	42	13.5	M	K1a4a1	G-L91	G2a-Y130324	AntonioScience2019	5611-5479 calBCE	-5531	Italy_EN	Grotta Continenza	Italy
I11600	I11600, CA122A, Cabe	39.1	-8.66	M	H1e1a	G2a2a1a3	G2a-FGC34625	OlaldeScience2019 from Martin	3350-2850 BCE	-3100	Iberia_CA	Cabeço da Arruda I, Torres Vedras, Lisboa	Portugal
I11305	Guineu.95.B7.424.	41.4	1.57	M	J1c1b	G2a2a1a3	G2a-FGC34625	OlaldeScience2019	3400-2500 BCE	-2950	Iberia_MLN	Cova de la Guineu, Font-rubí, Barcelona, Catalon	Spain
I0633	NG11/3, Grave 3; inv.	44.9	19.8	M	HV	G2a2a1	G2a-FGC34625	MathiesonNature2018	5604-5376 calBCE	-5474	Balkans_N	Gomolava, Hrtkovci, Vojvodina	Serbia
VC3-2		44.8	20.6	M	HV+16311	G-FGC34725/etc*(xFGC34623)	G2a-FGC34625*	MarchibioRxiv2020	7565-7426 calBP	-5546	Starcevo	Vinča-Belo Brdo	Serbia
I0634	NG19/8, Grave 8; inv.	44.9	19.8	M	K1a4	G2a2a1a3a	G2a-FGC34625(xBY201148)	MathiesonNature2018	4710-4504 calBCE	-4610	Balkans_N	Gomolava, Hrtkovci, Vojvodina	Serbia
mur	MZ 93-SF	37.5	-4.3	M	J1c1b1	G2a2a1a3	G2a-BY133179	OlaldeScience2019	5299-5066 calBCE	-5177	Iberia_EN	Cueva de los Murciélago, Zuheros	Spain
I1131	NG21/10, Grave 10; ir	44.9	19.8	M	H	G2a2a1a	G2a-FT370002	MathiesonNature2018	4653-4452 calBCE	-4532	Balkans_N	Gomolava, Hrtkovci, Vojvodina	Serbia
I5077	OHV-6.1, AN 6, G 1, N	45.6	18.7	M	U5a1a2	G2a2a1	G2a-FGC55322	MathiesonNature2018	5208-4942 calBCE	-5051	Sopot_MN	Osijek	Croatia
I7420	UZ-ST-012, Sappali Te	37.4	66.8	M	W3a1	G2a2a	G2a-Z36520*	NarasimhanPattersonScience2019	2000-1600 BCE	-1800	BMAC	Sappali Tepe	Uzbekistan
POP30	SU1722 U877	45.3	18.7	M	T2b11	G2a2a-PF3147	G2a-pre-Z45680	FreilichSciRep2021	4700-4300 BCE	-4500	Croatia_MN	Beli Manastir-Popova zemlja, Osijek	Croatia
I4156	UZ-BST-004, Site 7, Gr	37.7	67	M	H2a2a	G	G2a-Z6552	NarasimhanPattersonScience2019	1600-1300 BCE	-1450	BMAC	Bustan	Uzbekistan
PSZ/1	PSZper1	46.6	19.9			G2a	G2a-L293	NeparáczkiSciRep2019	630–650/660	645	Avar	Petőfiszállás/1 (rich goods)	Hungary
RT/7		48.1	21.5	M		G2a1-L293 97.9%	G2a-L293	FóthiArchaeolAnthropolSci2020	first half of the tenth	920	Magyar	Rakamaz-Túróczi part/Grave 7	Hungary
KEJ/3		48.3	21.7	M		G2a1-L293 94.3%	G2a-L293	FóthiArchaeolAnthropolSci2020	first half of the tenth	920	Magyar	Karos-Eperjesszög I/Grave 3	Hungary
DA117	Kyr 67	42.1	77	M	H6a1b	G	G2a-FT382474	DamgaardNature2018	1670-1950 calCE	1811	Steppe_Central_Nomad_His	Tian Shan	Kyrgyzstan
Koban9		43.7	43.5	U	T1a/T1a1	G2a	G2a-Z6554	BoulyginaIArchaeolSciRep2020	VIII-VII BC	-700	Scythian	Zayukovo-3	Russia
I1671	SG2	34.5	48	M	K1a12a	G2a	G2a-FGC693(xZ6554)	LazaridisNature2016	5840-5636 calBCE	-5736	Iran_N	Seh Gabi	Iran
CL31	COL004.A0101	45.1	7.58	M	H18	G2a1	G2a-FGC693*	AmorimNatCommun2018	580-630 CE	605	Germanic	Collegno, Italy	Italy
DA190	OS9	50.5	37	M	U1a1c1		G2a-FGC693(xFGC6515,xBY9	DamgaardNature2018	610-775 calCE	687	Saltovo_Mayaki	Caspian steppe	Russia
Koban7		43.7	43.5	U	U5a1a1h/U5a1a2	G2a1a2	G2a-FGC1160	BoulyginaIArchaeolSciRep2020	V BC	-450	Scythian	Zayukovo-3	Russia
BOU11		43.5	3.56		T2c1d-152	G2a1a1a1a1a	G2a-Z7962	BrunelPNAS2020	3344-3035 calBC	-3189.5	France_LN	Corconne	France
WC1	n-10,KX353757.1	34.6	47.1	M	J1d6	G2b2	G2b-Z8022*	BroushakiScience2016	7461-7076 calBCE	-7264	Iran_N	Wezmeh Cave, Central Zagros	Iran
ARM002	ARM002, ARM003	40.9	43.7	M	K3	G2b	G2b-FGC2964	WangNatCommun2019	3356-3102 calBCE	-3213	Kura_Araxes	Kaps	Armenia
Niederstotzingen3I	NIEcap3, tooth44 and	48.5	10.2	M	I5a1b	G2a2b1	G2a-FT49621	SullivanSciAdv2018	580-680 CE	605	Germanic	Niederstotzingen	Germany
TUK24		47.8	102	M	T1a1	G1 (77,6%)	G1	KeyserHumGenet2020	first century BC	1	Xiongnu	Tamir Ulaan Khoshuu cemetery	Mongolia
ALX002	Alxantepe Burial 2	39.4	48.5	M	K1a12a1a	G1	G1a	SkourtaniotiCell2020	5726-5611 BP C14	-3718.5	Caucasus_South_LC	Jalilabad District	Azerbaijan
I1674	SG21	34.5	48	M	I1c	G1a	G1a	LazaridisNature2016	3978-3798 calBCE	-3881	Iran_C	Seh Gabi	Iran
SMH017		48.8	9.18		H1	H2d1	H2-ABR043	RivollatSciAdv2020	6217 ± 25 calBC	-5180	LBK	Baden-Württemberg, Germany	Germany
TUC003		####	####	M	J1c1b	H2d1	H2-ABR043	RohrlachSciRep2021	NA	-3250	CEU_LN	Tuchoměřice	Czech Republic
SMH010		48.8	9.18		J1c5	H2d1	H2-ABR043	RivollatSciAdv2020	6219 ± 25 calBC	-5180	LBK	Baden-Württemberg, Germany	Germany
SMH011		48.8	9.18		N1a1a1	H2d1	H2-ABR043	RivollatSciAdv2020	6213 ± 24 calBC	-5177	LBK	Baden-Württemberg, Germany	Germany
SMH026		48.8	9.18		N1a1a1a	H2d1	H2-ABR043	RivollatSciAdv2020	6169 ± 33 calBC	-5119	LBK	Baden-Württemberg, Germany	Germany
SMH013		48.8	9.18		H	H2d1	H2-ABR043	RivollatSciAdv2020	6250 ± 30 calBC	-5195	LBK	Baden-Württemberg, Germany	Germany
SMH016		48.8	9.18		H	H2d1	H2-ABR043	RivollatSciAdv2020	6123 ± 26 calBC	-5096	LBK	Baden-Württemberg, Germany	Germany
I6677	BILI_4, National Muse	50.5	13.8	M	T2b	H2d1	H2-ABR043	NarasimhanPattersonScience2019	3800-3400 BCE	-3600	CEU_MN	Bilina, Titzler's sandpit	Czech Republic
TUC004		####	####	M	V3c	H2d1	H2-ABR043	RohrlachSciRep2021	NA	-3250	CEU_LN	Tuchoměřice	Czech Republic
UC_HGL_905	PEC1	50.1	14.4	M	W6a	HIJK-M578	HIJK	CzechNewsReport2019	680-872 calAD	776	Viking		Czech Republic
UC_HGL_908	PEC4	50.1	14.4	M	U5a2a1b	HIJK-M578	HIJK	CzechNewsReport2019	900-1200 AD	1050	Czech_MA	Burial102: The Diva	Czech Republic
san216	SQ-216	42.3	0.36	M	X2b	H	H	ValdioseraPNAS2018	3779-3647 calBCE	-3707	Iberia LN	San Quílez, Basque country	Spain
I2376	TISO11a	48	21.2	M	HV0a	H	H	LipsonNature2017	5300-4900 BCE	-5250	Alfold_Linear_Pottery	Tiszadob-Ókenéz	Hungary
I2352	VEJ12a	47.1	17.9	M	U8b1a2b	H	H	LipsonNature2017	4900-4300 BCE	-4650	Lengyel	Veszprém Jutasi út	Hungary
UZZ33		38.1	12.8	M	U8b1b1	H	H	vandeLoosdrechtbioRxiv2020	5570-5180 calBC	-5375	Sicily_EN	Grotta dell'Uzzo, Sicily	Italy
I6548	Grave 2, Individual 2	34.8	72.4	M	H	H1a1	H1a-M82	NarasimhanPattersonScience2019	1000-800 BCE	-900	SPGT	Swat Valley, Barikot	Pakistan
I12143	Grave 237, Individual	34.8	72.3	M	H13a2a	H1a1d2	H1a-M2772	NarasimhanPattersonScience2019	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan

Oldest ID	Colloquial-Skeletal	Lat	Lon	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-1T-mtree	mt-1T-FTDNA-mt-Haplotree	mt-Sin-no5.1-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive SNP-negative SNP-dubious	NRY	Y-FAR	Simple	YTree	Y-Haplotree-1-FTDNA-Haplotree	Y-Haplotree-1-FTDYRuB	Y-Haplotree-1-FTDYfull	Y-Yfu-SGDG2010	FTDNA-Y-Haplotree
I0407	R44	30.3	79.7	M	139	0.05	M5a1	M5a1	M5a1	M9 M 12007, 15043	M34+204	Rechtsab, v4	rs17422432	...	H1a1a4b	H1a1a4b		0.05	H1a	H1a-M2772	H1a-M2772	H-M2772	H-M2772	H-M2772	H-M2772	H-L601:M2772:M69:M152:M182:M267:M2772
I0462	R0B	30.3	79.7	M	267	0.04	M5a2	M5a2	M5a2	M9 M 15043, 16126, 482, 5783, 10727	...	...	...	...	H1a1a4b	H1a1a4b		0.05	H1a	H1a-M2772	H1a-M2772	H-M2772	H-M2772	H-M2772	H-M2772	H-L601:M2772:M69:M152:M182:M267:M2772
I11433	A01, RW Grave 10, Pr	30.6	61.4	M	...	...	W3a1b	W3a1b	W3a1b	M9 M 15043, 16126, 7028, 8701, 10398	...	...	...	...	H1a1a2	Ted Kandell: M38:M69:M152:M182:M2743:M2914:M3		0.08	H1a	H1a-M2772	H1a-M2772	H-M2772	H-M2772	H-M2772	H-M2772	H-L601:M2772:M69:M152:M182:M267:M2772
I12447	Grave 79, single buria	38.2	72.3	M	76.51	0.08	R1b1b1	R1b1b1	R1b1b1	M9 M 16126, 16311, 16519	...	...	...	...	H1a1a2	M38:M69:M152:M182:M2743:M2914:M3		0.08	H1a	H1a-M2772	H1a-M2772	H-M2772	H-M2772	H-M2772	H-M2772	H-L601:M2772:M69:M152:M182:M267:M2772
I10409	Gonur tomb 5225, ulu	38.2	62.9	M	66.53	0.15	R5a2b	R5a2b	R5a2b	M9 M 16126, 16311, 16519	...	...	...	...	R5	M9:M268:M69:M152:M2743		9939	0.18	H1a	H1a-M2772	H-M2772	H-M2772	H-M2772	H-M2772	H-L601:M2772:M69:M152:M182:M267:M2772
I8194	G IV Grave C, Indrioda,	34.7	75.3	M	87	0.3	R0b1a	R0b1a	R0b1a	M9 M 16126, 16311, 16519	...	...	...	...	R0	M9:M268:M69:M152:M182:M2743			0.18	H1a	H1a-Z14668*	H-Z14668*	H-Z14668*	H-Z14668*	H-Z14668*	H-L601:M2743:M69:M152:M182:M267:M2743
I2668	R01	30.3	79.7	M	...	...	M35d	M35d	M35d	M9 M 15043, 1384, 7094, 11215	...	...	...	...	H2a1a	M38:M69:M152:M182:M2743:M2914:M3			0.18	H1a	H1a-Z14617	H-Z14617	H-Z14617	H-Z14617	H-Z14617	H-L601:M2743:M69:M152:M182:M267:M2743
I2402	R25	30.3	79.7	M	58.9	0.05	U1a1	U1a1	U1a1	M9 M 16126, 16311, 16519	...	...	...	...	U1	M9, 10863, 10943, 8502, 16274, 13810		M9b	0.05	H1b	H1b	H-21871	H-21871	H-21871	H-21871	H-L601:M2743:M69:M152:M182:M267:M2743
I0437L	jr. 24/29	48.8	9.18	M	...	...	R1	R1	R1	M1	...	...	...	...	H1	H2			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I0437A	jr. 28/35	48.8	9.18	M	...	...	H26	H26	H26	M1	...	...	...	...	H26	H2			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
(I1906, I11907, I11481, I11907, 482, (I13		44.7	26.6	M	...	...	J1c3	J1c3	J1c3	M1	...	...	...	...	J1	Not reported		M	0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I4,A006	45-44, Locus 133, 47	36.2	36.8	M	...	...	E1b1b1	E1b1b1	E1b1b1	M1	...	...	...	...	E1	239C 263G 310C 3106N 3107C 16569N		6345	0.27	H2	H2(pre-J19087)	H-P96	H-P96	H-P96	H-P96	H-L91:P96
LA824		48.6	4.71	...	36.9	0.36	J1c3	J1c3	J1c3	...	...	...	...	...	J1		Haplofind ann#2	6229	0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
KN164	jr. 22/205	48.8	9.18	M	...	...	J1c5	J1c5	J1c5	M1	...	...	...	...	J1c5	H2			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
YUN048		42.2	24.3	M	...	...	K1a1	K1a1	K1a1	M1	...	...	...	...	K1	K			0.28	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
MOV269	MOV248	49.4	43.0	M	88	0.3	K1a2	K1a2	K1a2	M1	...	...	...	...	K1	Haplofind ann#2a1	NA	P96	0.3	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
KN165	jr. 9/3	48.8	9.18	M	...	...	N1a1a1	N1a1a1	N1a1a1	M1	...	...	...	...	N1	N			0.31	H2	H2 low coverage					
KN180	jr. 72/535	48.8	9.18	M	...	...	N1a1a1a1	N1a1a1a1	N1a1a1a1	M1	...	...	...	...	N1	N			0.31	H2	H2 low coverage					
KN168	jr. 38/518	48.8	9.18	M	...	...	N1a1a1a13	N1a1a1a13	N1a1a1a13	M1	...	...	...	...	N1	N			0.31	H2	H2 low coverage					
KN225	jr. 111/1979	48.8	9.18	M	...	...	N1	N1	N1	M1	...	...	...	...	N1	N			0.31	H2	H2 low coverage					
KN170	jr. 32/200	48.8	9.18	M	...	...	N	N	N	M1	...	...	...	...	N	N			0.31	H2	H2 low coverage					
SMH065		48.8	9.18	M	...	...	H	H	H	M1	...	...	...	...	H	H		P96	0.3	H2	P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I1700	AGBB_1	32	36	M	...	...	T1a2	T1a2	T1a2	T1a2	...	...	...	...	T1	T			0.44	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I1887	VEG15a	45.6	38.3	M	274	0.37	T2b	T2b	T2b	T2	...	...	...	...	T2	T			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
Brilkenhohle	Brilkenhohle	48.2	9.46		37.4	0.56	U8a	U8a	U8a	U8	...	...	...	...	U8	U			0.65	H2	H2 low coverage					
I2182	MEMO2008	47.8	20.6	M	228	0.33	U8b1b	U8b1b	U8b1b	U8	...	...	CT	...	U8b	U		P96	0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
UZZ033		38.1	12.8	M	...	...	U8b1b1	U8b1b1	U8b1b1	U8a1b1	...	...	...	...	U8	U		NA	0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I9173	jr. 114/2993	48.8	9.18	M	...	...	U5a2d	U5a2d	U5a2d	U5a2d	...	...	...	...	U5	U			0.31	H2	H2 low coverage					
I8187	EBV05a	47.5	21.5	M	31.3	0.27	V1a	V1a	V1a	V1a	...	...	...	...	V1	V			0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I3214	TOFA0-01	43.4	-0.98	M	...	...	V3	V3	V3	V3	...	...	...	...	V3	HaploGroup2	P	1756	0.29	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
SMH065		48.8	9.18		n/a														0.3	H2	P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
SMH049		48.8	9.18		n/a														0.3	H2	P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
PLW001		50.9	17.2	N	n/a													NA	0.29	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
MC337A		37.2	8.59	N	...	...													0.23	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
MonteCanelas23	MC337A	37.2	8.59	N	...	...									HaplofindP	CT			0.22	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I5908	CSAT19a	47.5	18.6	M	214	0.38	H												0.29	H2	H2 low coverage					
SMH020		48.8	9.18		n/a														0.29	H2	P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I3867	Moto1	31.8	35.2	M	...	...	K1a4b	K1a4b	K1a4b	K1a4b	...	...	...	...	K1	K		H2	0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
SMH014		48.8	9.18		n/a		N1a1a1a1a3	N1a1a1a1a3	N1a1a1a1a3	M1	...	...	...	...	N1	N			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I5101	M11-352a	40.3	29.6	M	798	0.42	T2b	T2b	T2b	T2b	...	...	...	...	T2	T		21911	0.36	H2*	(pre-T2b)*	H-P96*	H-P96	H-P96*	H-P96*	H-L91:P96
SMH019		48.8	9.18		n/a		U5a1	U5a1	U5a1	U5a1	...	...	...	...	U5	U			0.31	H2	P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I6542	Year Arena 31 U01	40.4	-3.5	M	341	0.54	U5b1b1	U5b1b1	U5b1b1	U5	...	...	...	...	U5	U	A16129G C16167T T16187C C16189T C16192T T16	HaplogroupI2	9730	0.18	H2*	(pre-T2b)*	H-P96*	H-P96	H-P96*	H-P96*	H-L91:P96
I4008		48.2	16.3	M	...	...	U5b2	U5b2	U5b2	U5b2	...	...	...	...	U5b2	U			0.31	H2*	H2*	H-P96*	H-P96	H-P96*	H-P96*	H-L91:P96
CEP006		38.8	0.34	M	n/a														0.22	H2*	H2*	H-P96*	H-P96	H-P96*	H-P96*	H-L91:P96
I5120	GS, Grave 5 (female)	40.2	25.9	M	1340	0.4	H*	H*	H*	H*	...	...	...	...	H	H			0.29	H2	Basal	J1a1:M313:Z27542:Z9493	H-FT88000	H-FT88000	H-FT88000	H-FT88000:FT88003
I1878	BAM176	46.2	18.7	M	45	0.42	T1a2	T1a2	T1a2	T1a2	...	...	...	...	T1a2	T			0.34	H2	H2	H-FT1572	H-FT1572	H-FT1572	H-FT1572	H-FT1572
I0411	DER01	51.9	10.9	M	...	...	H1	H1	H1	H1	...	...	...	...	H1	H			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I0412	DER026	51.9	10.9	M	...	...	K1a4a3	K1a4a3	K1a4a3	K1a4a3	...	...	...	...	K1	K			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I4703	RMPR-1014	38.4	38.4	M	...	...	N1b1a2	N1b1a2	N1b1a2	N1b1a2	...	...	...	...	N	N	73G 152C I 310.1C 3106A 3107C 13528G 16497G 16519C 16567		0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I0509	Hum BA, 146176	40.2	70.9	M	328	0.62	H3	H3	H3	H3	...	...	...	...	H3	H			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
TUC003	TUC003.AE001 YFs1	38.7	14.3	M	...	...	J1c1b	J1c1b	J1c1b	J1c1b	...	...	...	...	J1c1	J			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I4017	2H07_Ages_2_7173	48.9	4	...	...	...	K1a4a1h	K1a4a1h	K1a4a1h	K1a4a1h	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I8157	67/335	48.8	9.18	M	...	...	H2a	H2a	H2a	H2a	...	...	...	...	H2	H			0.31	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I3364	GEN_50b, Grave 219/	47.6	19.1	M	118	0.24	U5a2b	U5a2b	U5a2b	U5a2b	...	...	U5a2b1	HaplogroupI2	I2a2	Basal		J1a1:M313:Z27542:Z9493	0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
TUC004	TUC004.AE001 YFs1	38.7	14.3	M	...	...	V8c	V8c	V8c	V8c	...	...	...	...	V8	V			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
CEP003		38.8	0.34	M	...	...	R1	R1+152	R1+152C!	R1-d	...	...	...	...	R1	H			0.22	H2m	H2m-SK1180*	H-SK1180*	H-SK1180*	H-Y19962*	H2m*	H-L91:P96
I7643	LLS, S.EVA 22872	38.7	-0.49	M	27.2	0.33	U5b1	U5b1	U5b1	U5b1	...	...	...	...	U5b1	U		11006	0.25	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
SFI-39	SFI-1075_T12	33.9	35.5	M	75.2	0.7	U5b	U5b	U5b	U5b	...	...	...	...	U5b	U			0.31	H2	H2+P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I3503	BA3a	46.2	18.7	M	127	0.39	T2f	T2f	T2f	T2f	...	...	...	...	T2f	T			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I2745	M11-363	40.3	29.6	M	644	0.4	U8b1b1	U8b1b1	U8b1b1*	U8b1b1*	...	...	...	...	U8	U			0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
PIE037		44.1	26.2	M	...	...	U5b	U5b	U5b	U5b	...	...	...	...	U5b	U			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
C11011		38.6	-0.86	M	...	...													0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
FLR0-5	FLR 0-5	49.2	0.38	M	0.34	0.62	J2b1a	J2b1a	J2b1a	J2b1a	J2	J	HaploGroup2	I	I2a1b	HaploGroup2		0.31	0.62	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
FLR0-14	FLR 35-5	49.2	0.38	M	0.77	0.1a	K1a	K1a	K1a	K1a+	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO024	GRO024	48.9	0.38	M	0.34	0.62	J2b1a	J2b1a	J2b1a	J2b1a	J2	J	HaploGroup2	I	I2a1b	HaploGroup2		0.31	0.62	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO061	GLN 276	49.9	0.56	M	...	...	K1a2	K1a2	K1a2	K1a2	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO044	GLN 72	48.9	0.56	M	...	...	K1a2	K1a2	K1a2	K1a2	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I8172	Baumgeneral#72	52.8	-0.82	M	...	...	K1a4a1	K1a4a1*	K1a4a1*	K1a4a1*	...	...	...	...	K1	K	1467; 152T; 6752G	YFull	H2a1	H2a1	H2a1	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96:Z19077
FLR004	FLR 26-5	49.2	0.38	M	1.94	0.93	K1b1	K1b1	K1b1	K1b1	...	...	...	...	K1b	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
LEU019		51.2	11.2	M	...	...	V5a	V5a	V5a	V5a	...	...	...	...	V5	V			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
JF54	ESS-15 (incorrectly ide	52.5	-17.7	M	...	...	T2b1b1	T2b1b1*	T2b1b1*	T2b1b1*	...	...	...	...	T2b1	T	195T; 247G; 279C; 708A152T	YFull	H2a1	H2a1	H2a1	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96:Z19077
GRG109		47.9	3.56	M	...	...	J2b	J2b	J2b	J2b	...	...	...	...	J2	J			0.31	H2m	H2m-J20	H-FT62000	H-FT62000	H-Z19077*	H2m*	H-L91:P96
BUCH2	BUCH2	48.2	4.11	M	39.9	0.39	U5b1c1b1b0	U5b1c1b1b0	U5b1c1b1b0	U5b1c1b1b0	...	...	...	...	U5b1c1	U		HaplofindP	0.31	H2	H2	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96
FLR001	FLR 1-5	49.2	0.38	M	0.44	0.48	U5b2b3a	U5b2b3a	U5b2b3a	U5b2b3a	...	...	...	...	U5b2	U			0.31	H2	H2	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96
GRG084	GRG084	47.9	3.56	M	...	...	G	G	G	G	...	...	...	...	G	G			0.31	H2m	H2m-J20	H-FT62000	H-FT62000	H-Z19077*	H2m*	H-L91:P96
GRG091		47.9	3.56	M	0.35	0.35	U5b3	U5b3	U5b3	U5b3	...	...	...	...	U5b3	U			0.31	H2m	H2m-J20	H-FT62000	H-FT62000	H-Z19077*	H2m*	H-L91:P96
FLR008	FLR009	49.2	0.38	M	...	...													0.31	H2m	P96	H-FT62000	H-FT62000	H-Z19077*	H2m*	H-L91:P96
FLR009		49.2	0.38	M	...	...													0.31	H2m	P96	H-FT62000	H-FT62000	H-Z19077*	H2m*	H-L91:P96
I4148	2467, Tomb E	41.6	8.32	M	68.57	0.45	U5b2b3	U5b2b3	U5b2b3	U5b2b3	...	...	...	...	U5b2	U	310.1T; 337A; 5289G; 8122G; 8495G; 13968A; 15...		U	U	U	H-P96	H-P96	H-P96	H-P96	H-L91:P96
R118	RMPR-118	41.8	12.3	M	...	...	J2a	J2a	J2a	J2a	...	...	...	...	J2	J		Haplogroup (v in P96	H2	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I4146	2482, Tomb E	40.6	8.32	M	222.3	0.71	J2a1	J2a1	J2a1	J2a1	...	...	...	...	J2a1	J	310.1T; 337A; 15217A		U	U	U	H-P96	H-P96	H-P96	H-P96	H-L91:P96
CEP002		38.8	0.34	M	n/a														0.22	H2*	H2*	H-P96*	H-P96	H-P96*	H-P96*	H-L91:P96
ust002	ATP2	42.4	0.52	M	...	...	J2b	J2b	J2b	J2b	...	...	...	...	J2b	J		HAPLOFIND	H2-P96		Milan Rapoport: H2a1- H96					
I0405	Mina3	41.3	23.3	M	417	0.88	K1a1b1	K1a1b1	K1a1b1	K1a1b1	...	...	...	...	K1	K			0.22	H2	H2 low coverage					
I0413	C.E.-1	40.6	8.64	M	96.4	0.72	K2b+106	K2b-T2d2C	K2b-T2d2C	K2b+106	...	...	...	...	K2b	K		HaplogroupI2	0.31	H2	H2 low coverage					
I0429	YAB44	42.1	25.8	M	...	...	J1b	J1b	J1b	J1b	...	...	...	...	J1b	J		HaplogroupI2	0.31	H2	Milan Rapoport: H2a1-P96>Y21618>Y19962* (y?2838)					
KO566		48.5	7.47	...	...	...	T2b+16311	T2b+16311	T2b+16311	T2b+16311	...	...	...	...	T2b	T			0.18	H2	H2	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96
LNT.KAG_149		48.3	10.9	M	...	...	K1a1b1g	K1a1b1g	K1a1b1g	K1a1b1g	...	...	...	...	K1	K			0.14	UK	UK	UK-L15	UK-L15	UK-L15	UK-L15	
I3802	SAL2774, SAL2774_10	51.5	11.8	M	73.4	0.73	H3	H3	H3	H3	...	...	...	...	H3	H	11C 1200Ti 1436Ti 1608T 16093T	KnipperPNAS87	UK low coverage			UK-L15	UK-L15	UK-L15	UK-L15	
I3802	Vestonice43	48.9	16.7	M	...	...	H	H	H	H	...	...	...	...	H	H	8842G; 16172BT		UK (low coverage)			UK-L15	UK-L15	UK-L15	UK-L15	
I0457	Cmal165b	38.1	1.85	M	157	0.34	J1c3	J1c3	J1c3	J1c3	...	...	...	...	J1	J	A16129G (C16150T) T16187C C16189T T16192C		UK (x J)		(3CTS5375,4C3422	UK-L15	UK-L15	UK-L15	UK-L15	
I5377	WSH004.Ala004_R	48.4	16.6	M	...	...	J1c3	J1c3	J1c3	J1c3	...	...	...	...	J1c3	J	C16069T T16126C A16129G T16187C C16189T T16		J1c3	J1c3	J1c3	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I0411	DER01	51.9	10.9	M	...	...	H1	H1	H1	H1	...	...	...	...	H1	H			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I0412	DER026	51.9	10.9	M	...	...	K1a4a3	K1a4a3	K1a4a3	K1a4a3	...	...	...	...	K1	K			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I4703	RMPR-1014	38.4	38.4	M	...	...	N1b1a2	N1b1a2	N1b1a2	N1b1a2	...	...	...	...	N	N	73G 152C I 310.1C 3106A 3107C 13528G 16497G 16519C 16567		0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I0509	Hum BA, 146176	40.2	70.9	M	328	0.62	H3	H3	H3	H3	...	...	...	...	H3	H			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
TUC003	TUC003.AE001 YFs1	38.7	14.3	M	...	...	J1c1b	J1c1b	J1c1b	J1c1b	...	...	...	...	J1c1	J			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
I4017	2H07_Ages_2_7173	48.9	4	...	...	...	K1a4a1h	K1a4a1h	K1a4a1h	K1a4a1h	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I8157	67/335	48.8	9.18	M	...	...	H2a	H2a	H2a	H2a	...	...	...	...	H2	H			0.31	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I3364	GEN_50b, Grave 219/	47.6	19.1	M	118	0.24	U5a2b	U5a2b	U5a2b	U5a2b	...	...	U5a2b1	HaplogroupI2	I2a2	Basal		J1a1:M313:Z27542:Z9493	0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
TUC004	TUC004.AE001 YFs1	38.7	14.3	M	...	...	V8c	V8c	V8c	V8c	...	...	...	...	V8	V			0.31	H2	H2	H-Z15373	H-Z15373	H-Z15373	H-Z15373	H-Z15373
CEP003		38.8	0.34	M	...	...	R1	R1+152	R1+152C!	R1-d	...	...	...	...	R1	H			0.22	H2m	H2m-SK1180*	H-SK1180*	H-SK1180*	H-Y19962*	H2m*	H-L91:P96
I7643	LLS, S.EVA 22872	38.7	-0.49	M	27.2	0.33	U5b1	U5b1	U5b1	U5b1	...	...	...	...	U5b1	U		11006	0.25	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
SFI-39	SFI-1075_T12	33.9	35.5	M	75.2	0.7	U5b	U5b	U5b	U5b	...	...	...	...	U5b	U			0.31	H2	H2+P96	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I3503	BA3a	46.2	18.7	M	127	0.39	T2f	T2f	T2f	T2f	...	...	...	...	T2f	T			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
I2745	M11-363	40.3	29.6	M	644	0.4	U8b1b1	U8b1b1	U8b1b1*	U8b1b1*	...	...	...	...	U8	U			0.32	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
PIE037		44.1	26.2	M	...	...	U5b	U5b	U5b	U5b	...	...	...	...	U5b	U			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
C11011		38.6	-0.86	M	...	...													0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
FLR0-5	FLR 0-5	49.2	0.38	M	0.34	0.62	J2b1a	J2b1a	J2b1a	J2b1a	J2	J	HaploGroup2	I	I2a1b	HaploGroup2		0.31	0.62	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
FLR0-14	FLR 35-5	49.2	0.38	M	0.77	0.1a	K1a	K1a	K1a	K1a+	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO024	GRO024	48.9	0.38	M	0.34	0.62	J2b1a	J2b1a	J2b1a	J2b1a	J2	J	HaploGroup2	I	I2a1b	HaploGroup2		0.31	0.62	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO061	GLN 276	49.9	0.56	M	...	...	K1a2	K1a2	K1a2	K1a2	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
GRO044	GLN 72	48.9	0.56	M	...	...	K1a2	K1a2	K1a2	K1a2	...	...	...	...	K1	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
I8172	Baumgeneral#72	52.8	-0.82	M	...	...	K1a4a1	K1a4a1*	K1a4a1*	K1a4a1*	...	...	...	...	K1	K	1467; 152T; 6752G	YFull	H2a1	H2a1	H2a1	H-FT62000	H-FT62000	H-Z19077*	H-Z19077*	H-L91:P96:Z19077
FLR004	FLR 26-5	49.2	0.38	M	1.94	0.93	K1b1	K1b1	K1b1	K1b1	...	...	...	...	K1b	K			0.22	H2m	H2m-SK1180	H-SK1180	H-SK1180	H-Y19962	H2m	H-L91:P96
LEU019		51.2	11.2	M	...	...	V5a	V5a	V5a	V5a	...	...	...	...	V5	V			0.31	H2	H2	H-P96	H-P96	H-P96	H-P96	H-L91:P96
JF54	ESS-15 (incorrectly ide

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	Y-Simple	YTree	Source	Date	Mean	Simplified_Culture	Location	Country
I6587	Hume 15B, 20141/20:	40.2	-3.76	M	K1a1b1	I2a2a	I2a1b1b	I2-P222(xCTS616,xS12377)	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Humanejos, Madrid	Spain
I5957	MOs30, Grave 10, 11:	48	35.4	M	T2	I	I2a1b1	I2-P222(xP78,xL703,xBY1003,x	MathiesonNature2018	5470-5221 calBCE (6	-5337	Ukraine_N	Volniensky, Vilnianka	Ukraine
I5869	Grave 8, S5869.E1.L1	48	35.4	M	U4b1b1	I	I2a1b1	I2-P222(xP78,xS12195,xZ165,x	MathiesonNature2018	5612-5473 calBCE (6	-5488.5	Ukraine_N	Volniensky, Vilnianka	Ukraine
I3714	Grave 28	48	35.4	M	U4d	I2a2a	I2a1b1	I2-P222(xP78,xL703,xBY1003,x	MathiesonNature2018	5500-4800 BCE	-5150	Ukraine_N	Volniensky, Vilnianka	Ukraine
WEZ48		53.8	13.3	M	J1c	I2a2	I2a1b1a1a1a*	I2-CTS616	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
I5868	Grave 27, S5868.E1.L:	48	35.4	M	U4d	I	I2a1b1a	I2-CTS616(xCTS10057)	MathiesonNature2018	5471-5231 calBCE (6	-5363	Ukraine_N	Volniensky, Vilnianka	Ukraine
NER001	NER001.A0101.TF1.1	50.3	14.5	M	U5b1d1	I2a1b1a	I2a1b1a	I2-CTS616	PapacSciAdv2021	5284±27 BP	-4116	CEU_N	Neratovice_1, Bohemia	Czech Republic
SZ14	SZO013.A0101	46.3	17.9	M	I3	I2a2a1	I2a1b1a	I2-CTS616(FT45324?)	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
Falkenstein	Falkenstein	48.1	9.04	M	U5a2c	I2a2a	I2a1b1a	I2-CTS616(xCTS10057,xBY100	MathiesonNature2018 (New da	7472-7042 calBCE (8	-7211	CEU_HG	Falkenstein-Höhle, Swabian Jur	Germany
RISE1252	grave 3	50.8	21.5	m	H	I2a2a	I2a1b1a	I2-CTS616(xBY53602,xZ2054,xI	SchroederPNAS2019	3100-2450 BCE	-2775	Globular_Amphora	Mierzanowice 1	Poland
I3712	Grave 35	48	35.4	M	U4b1a	IJ	I2a1b1a2	I2-CTS10057(xL702,xCTS11871	MathiesonNature2018	5512-5376 calBCE (6	-5447	Ukraine_N	Volniensky, Vilnianka	Ukraine
I2793	GEN67	47.2	20.4	M	H1	I2a2a1b	I2a1b1a2	I2-CTS10057(xL701, etc.)	LipsonNature2017	4442-4250 calBCE (5	-4323	Balkans_CA	Törökszentmiklós, road 4, site 3	Hungary
I2379	HELI11a	47.9	21	M	N1a1a1	I2a2a1b	I2a1b1a2	I2-CTS10057(xL701, etc.)	LipsonNature2017	5209-4855 calBCE (6	-5034	Alfold_Linear_Pottery	Hejőkürt-Lidl logisztikai központ	Hungary
RISE1160	ind 2	50.2	20.6	U	T2b	I2a2a	I2a1b1a2	I2-CTS10057(xL701, etc.)	SchroederPNAS2019	2892-2633 calBCE (4	-2764	Globular_Amphora	Koszyce, site 3	Poland
I2375	TISO1b	48	21.2	M	H7	I2a2a1b1	I2a1b1a2a	I2-L702	LipsonNature2017	5300-4900 BCE	-5100	Alfold_Linear_Pottery	Tiszadob-Ó-Kenéz	Hungary
I2377	TISO13a	48	21.2	M	J1c2	I2a2a	I2a1b1a2a	I2-L702	LipsonNature2017	5210-4935 calBCE (6	-5051	Alfold_Linear_Pottery	Tiszadob-Ó-Kenéz	Hungary
I19452	OnlineReport	42.6	25.4		K1c1	I2a1b1a2a	I2a1b1a2a	I2-L702(xY5360)	ReichLab2020(SE_Europe)		-2850	Balkans_EBA	Kazanlak, Tell Kran	Bulgaria
I5886	Mos46, Grave 12, 207	48.9	33.8	M	U4a	I	I2a1b1a2a	I2-L702	MathiesonNature2018	5313-5214 calBCE (6	-5262	Ukraine_N	Dereivka	Ukraine
I1378	Ukraine_N1.SG, StPet	48.3	35.1	M	U4b	I2a2a1b1	I2a1b1a2a	I2-L702(xP78,xL703)	MathiesonNature2018 (New da	5400-5300 BCE	-5350	Ukraine_N	Vovnigi	Ukraine
Bul6	Barrow 5, Structure 3,	42.4	25.9	M	..	I2a2	I2a1b1	I2-S12991*	MathiesonNature2018	3400-1600 BCE	-2500	Balkans_EBA	Beli Breyag	Bulgaria
DA30	KS64, ERS2374309	51.7	65.7	M	U4a2	I2b	I2a1b1a2a1a1	I2-S17511*	DamgaardNature2018	96 calBCE - 114 calC	2	Sarmatian	Central steppe	Kazakhstan
VK427	Sweden_Skara 209	58.4	13.7	M	K1a4	I2a1b1a	I2a1b1a2a	I2-CTS616	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
scy301		46.7	29.8	M	U5b2a3	R1b1a1a2	I2a1b1a2a1b	I2-Y7219*	KrzewińskaSciAdv2018	390-202 calBCE (224	-287	Scythian	Glinoe	Moldova
I3715	Grave 9	48	35.4	M	U2e1	I2a2a1b1	I2a1b1a2a	I2-S22311*	MathiesonNature2018	5636-5483 calBCE (6	-5576	Ukraine_N	Volniensky, Vilnianka	Ukraine
I5875	Grave 53, S5875.E1.L:	48.9	33.8	M	U4a1	I2a2a1b1	I2a1b1a2a2a	I2-L703*	MathiesonNature2018	5295-5053 calBCE (6	-5145	Ukraine_N	Dereivka	Ukraine
I1738	StPet4, inv. 6204/4	48.3	35.1	M	U5a2	I2a2a1b1b	I2a1b1a2a2a	I2-L703	MathiesonNature2018	5475-5320 calBCE (6	-5359.5	Ukraine_N	Vovnigi	Ukraine
I5872	Grave 26, S5872.E1.L:	48	35.4	M	U5a2a	I	I2a1b1a2a2a	I2-L703(xL704)	MathiesonNature2018	5481-5374 calBCE (6	-5424	Ukraine_N	Volniensky, Vilnianka	Ukraine
I3717	Grave 42	48.9	33.8	M	U5a2a	I2a2a1b1	I2a1b1a2a2a	I2-L703(xL704;xS21579)	MathiesonNature2018	5371-5216 calBCE (6	-5292	Ukraine_N	Dereivka	Ukraine
Bul4	Mound 2 grave 1	42.4	25.9	M	..	I2a2a1b1b	I2a1b1a2a2a	I2-L703(xL704,xY10677,xBY15	MathiesonNature2018	3012-2900 calBCE (4	-2945	Yamnaya	Mednikarovo	Bulgaria
I12149	Grave 122, single buri	34.8	72.3	M	M30c1	I2a2a1b1b1	I2a1b1a2a2a1	I2-FT384999	NarasimhanPattersonScience2(	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan
I12471	Grave 61, single buria	34.8	72.3	M	HV17	I2a2a1b1b1	I2a1b1a2a2a1*	I2-FT384999	NarasimhanPattersonScience2(	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan
R32	RMPR-32	41.9	12.5	M	H2a1	I-CTS616	I2a1b1a2a2a2	I2-S12195(xBY166184,xS1076	AntonioScience2019	300-700 CE	500	Italy_LA_EMA	Mausoleo di Augusto	Italy
I2165	Merich4, Burial moun	42.1	25.5	M	T2f	I2a2a1b1b	I2a1b1a2a2a2	I2-S12195(xS21579)	MathiesonNature2018	3072-2895 calBCE (4	-2960	Balkans_EBA	Merichleri, Kairyaka necropolis	Bulgaria
I5870	Grave 32, S5870.E1.L:	48	35.4	M	U4b1b1	I2a2	I2a1b1a2a2a2	I2-S12195(xY10677,xBY159)	MathiesonNature2018	5475-5331 calBCE (6	-5459.5	Ukraine_N	Volniensky, Vilnianka	Ukraine
RISE552	Kurgan 4, grave 8; Yar	46.6	43.3	M	T2a1a	I2a2a1b1b2	I2a1b1a2a2a2	I2-S21579(xY5672)	AllentoftNature2015	2846-2144 calBCE (3	-2432	Yamnaya	Ulan	Russia
I2175	10	43.1	27	M	K1c1	I2a2a1b1b2	I2a1b1a2a	I2-Y87044	MathiesonNature2018	3335-2932 calBCE (4	-3147	Balkans_EBA	Smyadovo	Bulgaria
I2176	12	43.1	27	M	U1a1	I2a2a1b	I2a1b1a2a	I2-Y87044	MathiesonNature2018	3340-3026 calBCE (4	-3196	Balkans_EBA	Smyadovo	Bulgaria
I6617	Hume 19A, 14612 Ind	40.2	-3.76	M	H1+16189	I2a2a1b2	I2a1b1a2b	I2-Z161(xBY3797,xFGC3575,xF	OlaldeNature2018	2900-2300 BCE	-2600	Iberia_CA	Humanejos, Madrid	Spain
I0406	Mina4	41.3	-2.33	M	H1	I2a2a1b2	I2a1b1a2b	I2-Z161(xBY3797,xL801,xL623	MathiesonNature2015 (1240k	3900-3600 BCE	-3750	Iberia_MN	La Mina	Spain
c40331	331	37.5	-4.33	M	HV0a	I2a2a1b2	I2a1b1a2b	I2-Z161(xCTS1977)	ValdioseraPNAS2018	3765-3636 calBCE (4	-3680	Iberia_LN	Cueva de los Cuarenta, Andalus	Spain
I2403	3.4	52.9	17.9	M	U5b2b1	I2a2a1b2	I2a1b1a2b	I2-Z161(xCTS1977,xZ79,xL129(	MathesonPLoSONE2009	2868-2577 calBCE (4	-2717	Globular_Amphora	Kierzkowo	Poland
RISE1165	ind 7	50.2	20.6	U	HV16	I2a2a	I2a1b1a2b	I2-Z161(xCTS1977,xCTS6433,xL	SchroederPNAS2019	2906-2675 calBCE (4	-2793	Globular_Amphora	Koszyce, site 3	Poland
I4596	ZVEJ9	56.3	25.1	M	U5a2d	I2a2a1b	I2a1b1a2b	I2-PH5234	MathiesonNature2018	6069-5984 calBCE (7	-6020	Baltic_HG	Zvejnieki	Latvia
I4553	ZVEJ7	56.3	25.1	M	U5a1c	I2a2a1	I2a1b1a2b	I2-FT370114	MathiesonNature2018	5480-5375 calBCE (6	-5420	Baltic_HG	Zvejnieki	Latvia
I4551	ZVEJ4	56.3	25.1	M	U5a2f1	I2a2a1	I2a1b1a2b	I2-FT370114	MathiesonNature2018	5788-5663 calBCE (6	-5720	Baltic_HG	Zvejnieki	Latvia
I5402	HJDK_15(1)	44.6	22.3	M	U5a1c1	I2a2a1b	I2a1b1a2b1	I2-CTS4348*	MathiesonNature2018	6361-6050 calBCE (7	-6206	Iron_Gates_HG	Hadučka Vodenica	Serbia
I4914	HJDK_19-20(1)	44.6	22.3	M	U5a1c1	I2a2a1b2	I2a1b1a2b	I2-FTA37531	MathiesonNature2018	6360-5986 calBCE (7	-6138	Iron_Gates_HG	Hadučka Vodenica	Serbia
VK582	SBM1028 ALKEN ENG	56.1	9.94	M	H6a1b3	I2a1b1a	I2a1b1a2b1	I2-CTS616	MargaryanNature2020	1-100 CE	50	Nordic_IA	Jutland	Denmark
I2441	8.5	52.9	17.9	M	K1b1a1	..	I2a1b1a2b1	I2-L801(xY167771,xZ165)	MathiesonNature2018	3400-2800 BCE	-3100	Globular_Amphora	Kierzkowo	Poland
KO_45		52.6	16.8			I2a2a1b2a-L801	I2a1b1a2b1	I2-L801	StolarekSciRep2019	100-300 AD	200	Germanic	Kowalewko (Greater Poland Province)	Poland
RISE1162	ind 4	50.2	20.6	F?	K1a1b1e	I2a2a	I2a1b1a2b1*	I2-L801(xCTS1977,xCTS6433,xl	SchroederPNAS2019	2912-2676 calBCE (4	-2796.5	Globular_Amphora	Koszyce, site 3	Poland
RISE1169	ind 11	50.2	20.6	f	HV0a	I2a2a	I2a1b1a2b1*	I2-L801(xCTS1977,xZ166,ZS3,x	SchroederPNAS2019	2905-2672 calBCE (4	-2791	Globular_Amphora	Koszyce, site 3	Poland
RISE1163	ind 5	50.2	20.6	m	HV0a	I2a2a	I2a1b1a2b1*	I2-L801(xCTS1977,xZ166,ZS3,x	SchroederPNAS2019	2891-2674 calBCE (4	-2785	Globular_Amphora	Koszyce, site 3	Poland
RISE1173	ind 15	50.2	20.6	m	HV0a	I2a2a	I2a1b1a2b1*	I2-L801(xCTS1977,xZ190,xL12(	SchroederPNAS2019	2875-2492 calBCE (4	-2710	Globular_Amphora	Koszyce, site 3	Poland
RISE1168	ind 10	50.2	20.6	m	HV0a	I2a2a	I2a1b1a2b1*	I2-L801(xM2379,xCTS1858,xZ1	SchroederPNAS2019	2872-2578 calBCE (4	-2739.5	Globular_Amphora	Koszyce, site 3	Poland
RISE1171	ind 13	50.2	20.6	U	J1c3f	I2a2a	I2a1b1a2b1*	I2-L801(xM2379,xBY3753,xCTS	SchroederPNAS2019	3004-2703 calBCE (4	-2817.5	Globular_Amphora	Koszyce, site 3	Poland
RISE1241	grave 8; sk 3	50.6	21.7	U	J1c4	I2a2a	I2a1b1a2b1*	I2-L801(xM2379,xBY3753,xZ7	SchroederPNAS2019	2901-2701 calBCE (4	-2823	Globular_Amphora	Sandomierz 78, grave 8	Poland
RISE1254	grave 10; sk 3	51.1	17.1	m	U5b	I2a2a	I2a1b1a2b1*	I2-L801(xZ166,xL1272)	SchroederPNAS2019	3100-2450 BCE	-2775	Globular_Amphora_Zlota	Wilczyce 90, grave 10	Poland
N49	N49	52.6	19	M	H6a1a	I2a2a	I2a1b1a2b1*	I2-L801*	FernandesSciRep2018	2600-2250 BCE	-2425	Corded Ware	Pikutkowo	Poland
I4881	VLSC_U64	44.5	22.1	M	U4b1b1	I2a1b2	I2a1b1a2b	I2-L801*	MathiesonNature2018	6570-6255 calBCE (7	-6413	Iron_Gates_HG	Vlasac	Serbia
I4441	ZVEJ22	56.3	25.1	M	U5a1c	I2a2a1b	I2a1b1a2b1*	I2-L801*	MathiesonNature2018	4841-4711 calBCE (5	-4768	Baltic_HG	Zvejnieki	Latvia
N47	N47	52.6	19	M	U5b2a2	I2a2a	I2a1b1a2b1*	I2-L801*	FernandesSciRep2018	2600-2250 BCE	-2425	Corded Ware	Pikutkowo	Poland
ILK001	ILK001	49.6	27.7	M	J1c3	I2a2a1b	I2a1b1a2b1	I2-Y167771(xY98943)	MathiesonNature2018	2900-2701 calBCE (4	-2823	Globular_Amphora	Ilyatka	Ukraine
ILK002	ILK002	49.6	27.7	M	T2b	I2a2a1b2	I2a1b1a2b1	I2-Y167771(xY98943)	MathiesonNature2018	2889-2675 calBCE (4	-2784	Globular_Amphora	Ilyatka	Ukraine
VK332	Oland_1088	56.4	16.4	M	T2b24	I2a1b1a2b1	I2a1b1a2b1a	I2-S8522(BY195155*)	MargaryanNature2020	710-991 calCE (1170	865	Viking	Oland	Sweden
SZ3	SZO003.A0101	46.3	17.9	M	H18	I2a1b2a2	I2a1b1a2b1a	I2-BY3605*	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
VK150	UK_Oxford_#14; UK_	51.8	-1.26	M	H1+16239	I2a1b1a2b1a2	I2a1b1a2b1a	I2-FT4725	MargaryanNature2020	880-1000 CE	940	Viking	Oxford	UK
VK348	Oland_1067	56.9	16.7	M	T2b28	I2a1b1a2b1a2a	I2a1b1a2b1a	I2-Z171*	MargaryanNature2020	800-1100 CE	950	Viking	Oland	Sweden
LIB2_1		49.8	16.9				I2a1b1a2b1a	I2-Z180	UniFribourg2021	mid-5th c.	450	CEU_EMA	Břeclav – Líbivá, Czech Republic, Hrob 8	Czech Republic
VK342	Oland_1016	56.4	16.6	M	H2a1	I2a1b1a2b	I2a1b1a2b1a	I2-BY78615	MargaryanNature2020	800-1100 CE	950	Viking	Oland	Sweden
VK517	Sweden_Uppsala_UM	59.9	17.7	M	J1c3f	I2a1b1a2b1a2a	I2a1b1a2b1a	I2-Y78615	MargaryanNature2020	1000-1100 CE	1050	Viking	Uppsala	Sweden
SZ24	SZO021.A0101	46.3	17.9	M	U4b	I2a2a1	I2a1b1a2b1a	I2-ZS3(FT45324?)	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
SZ22	SZO019.A0101	46.3	17.9	M	N1b1b1	I2a1b1a2b2a2	I2a1b1a2b1a	I2-Y6876(FT45324?)	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
CRE29		43.2	3.13		K1a1b1	I2a1b1a2b1a2a2b1b	I2a1b1a2b1a	I2-Y17514	BrunelPNAS2020		-4203.5	France_MN2	Béziers	France
SZ7	SZO007.A0101	46.3	17.9	M	T2e	I2a2a1b2	I2a1b1a2b1a	I1-S8104(FT45324?)	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
SZ13	SZO012.A0101	46.3	17.9	M	N1b1b1	I2a1b1a2b2a2	I2a1b1a2b1a	I2-FT45324	AmorimNatCommun2018	424-550 calCE (1579	481.5	Germanic	Szólád, Hungary	Hungary
SZ12	SZO011.A0101	46.3	17.9	M	W6	I2a2a1	I2a1b1a2b1a	I2-FT45324	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
I4882	VLSC_U69	44.5	22.1	M	U4b1b1	I2a2a1b	I2a1b1a2b	I2-FTA37515	MathiesonNature2018	6200-5900 BCE	-6050	Iron_Gates_HG	Vlasac	Serbia
I4880	VLSC_U62	44.5	22.1	M	U4b1b1	I2a2a1b2	I2a1b1a2b	I2-FTA37515	MathiesonNature2018	6000-5725 calBCE (6	-5863	Iron_Gates_HG	Vlasac	Serbia
GLR002		44.1	12.2	M	J1c3e1	I2d-L623/M223	I2a1b1a2b	I2-S21760*	SaupeCurrBiol2021	not dated	-2789	Italy_CA	Gattolino	Italy
I2650	GENSCOT10	59.4	-2.87	M	T2c1d1	I2a1b1a2(xI2a1b1a	I2a1b1a2b	I2-S21760	OlaldeNature2018	3500-3360 calBCE (4	-3430	Britain_N	Holm of Papa Westray North, Orkney, Scotland	Great Britain
I0455	Cmol123	38.1	-1.85	M	H1	I	I2a1b1a2b2	I2-L623(xBY61820)	OlaldeNature2018	2905-2636 calBCE (4	-2787	Iberia_CA	Camino del Molino, Caravaca, Murcia	Spain
LBR001	BR 8	43.7	6.99	M	H1	I2a1b1a1b	I2a1b1a1b	I2-Y3670	RivollatSciAdv2020	4898-4712 calBCE (5	-4790	France_ENMN	Alpes-Maritimes, France	France
WEZ24		53.8	13.3	M	H27	I2a2	I2a1b1a1a1a*	I2-BY1003+Z2842	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
WEZ83		53.8	13.3	M	I4a	I2a2a	I2a1b1a1a1a*	I2-BY1003	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
ORD019	Ordona	41.3	15.6	M	T2e	I2d- Z2093/Y3670	I2a1b1a1b	I2-BY1003	AnelibioRxiv2021	not dated	-500	Apulia_IA	Ordona	Italy
RISE247	ID 3437	47.3	19	M	H11a	I2a2a1	I2a1b1a1a1a*	I2-L1229(xS20743,xZ2069)	AllentoftNature2015	1743-1544 calBCE (3	-1657	Balkans_BA	Százhalombatta-Földvár	Hungary
WEZ71		53.8	13.3	M	J1c	I2a2	I2a1b1a1a1a*	I2-L1229	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
WEZ39		53.8	13.3	M	J2b1a1	I2a2	I2a1b1a1a1a*	I2-L1229	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
WEZ64	WEZ64-1	53.8	13.3	M	I1a1a	I2a2a	I2a1b1a1a1a*	I2-L1229	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
Mok28a	260	45.9	20.4	M	J1c	I2a2a1a2a2	I2a1b1a1b1b	I2-S18331	ŽegaracSciRep2021	2134-1737 BC	-1936	Balkans_EBA	Mokrin necropolis	Serbia
RISE479	ID 1129/1706 Q3 (P23	47.3	18.9	M	T2b	I2a2a1a2a	I2a1b1a1b1b1	I2-(pre-?)S17707*	AllentoftNature2015	2000-1500 BCE	-1750	Balkans_BA	Erd	Hungary
WEZ51		53.8	13.3	M	H1c	I2a2a	I2a1b1a1a1a*	I2-Z2068	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
WEZ15		53.8	13.3	M	U2e1a1	I2a2a1a2a1a1	I2a1b1a1a1a*	I2-Z2054*	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
SZ43	SZO036.A0101	46.3	17.9	M	H1e	I2a2a1a2a1a	I2a1b1a1a1a*	I2-BY138*	AmorimNatCommun2018	438-605 calCE (1521	557	Germanic	Szólád, Hungary	Hungary
SUC006	RMPR-26,R26,Su Croc	40.8	8.44	M	H1av	I-CTS616	I2a1b1a1b2	I2-Y7240	MarcusNatCommun2020	2468-2306 calBCE (3	-2397	Sardinia_EBA	Porto Torres, SAS	Italy
I4878	VLSC_U21	44.5	22.1	M	U4a	I2a1b1(xI2a1b1a1a,xI	I2a1b1a1b2	I2-Y7240*	MathiesonNature2018	5995-5710 calBCE (6	-5863	Iron_Gates_HG	Vlasac	Serbia
R27	RMPR-27	40.8	8.44	M	H1e1a	I-M223	I2a1b1a1b2	I2-FTA1525	AntonioScience2019	3500-900 BCE	-2200	Sardinia_CA_BA	Su Crocefissu	Italy
prs010	Primrose10, prs010	54.2	-8.56	M	K1a+195	I2a1b1a1a	I2a1b1a1a	I2-M284	SanchezQuintoPNAS2019	3640-3518 calBCE (4	-3572	Megalithic	Primrose Grange	Ireland
prs012	Primrose12, prs012	54.2	-8.56	M	W1+119	I2a2a1a1a2	I2a1b1a1a	I2-M284	SanchezQuintoPNAS2019	3771-3645 calBCE (4	-3700	Megalithic	Primrose Grange	Ireland
CAK534	Carrowkeel534	54.1	-8.38	M	X2b4	I(2a1b1*)	I2a1b1a1a	I2-M284	CassidyNature2020 from Cassid	3100-2600 BCE	-2850	Ireland_N	Carrowkeel, Cairn K, Sligo	Ireland
I2657	GENSCOT26	56.4	-5.47	M	W1+119	I2a2a	I2a1b1a1a1	I2-L1195(xY3712)	OlaldeNature2018	3955-3773 calBCE (5	-3864	Britain_N	Macarthur Cave, Oban, Argyll and Bute, Scotland	Great Britain
I2606	SK 5856 (DBC 96)	51.5	-0.67	M	K1a+195	I2a2a1	I2a1b1a1a1b	I2-L1195(xL126;xBY152642,xB	OlaldeNature2018	3330-2900 BCE	-3115	Britain_N	Eton Rowing Course, Buckinghamshire, England	Great Britain
I3068	SB379D2_lib.SG, CPC	53.1	-1.64	M	T2c1d	I2a2a1a1a	I2a1b1a1a1b	I2-L1195(xL126;xBY53602)	BraceNatEcolEvol2019	3648-3528 calBCE (4	-3583	Britain_EN	Carsington_pasture_3	Great Britain
I4949	DZSWS:C.11a	51.4	-1.85	M	T2b	I	I2a1b1a1a1	I2-L1195(xBY40093,xY3712)	OlaldeNature2018	3624-3376 calBCE (4	-3467	Britain_N	Nr. Millbarrow, Winterbourne Monkton, Wiltshir	Great Britain
I5387	WestKennet_1	51.2	-1.51	M	U5a	I2a2a1	I2a1b1a1a1	I2-L1195(xBY53602)	BraceNatEcolEvol2019	3300-2500 BCE	-2900	Britain_MLN	WestKennet_1	Great Britain
car004	car004, Carrowmore4	54.3	-8.52	M	T2c1d1	I2a1b1a?	I2a1b1a1a1*	I2-L1195*	SanchezQuintoPNAS2019	3638-3386 calBCE (4	-3567	Megalithic	Primrose Grange	Ireland
prs017	Primrose 17, prs017	54.3	-8.55	M	K1a+195	I2	I2a1b1a1a1	I2-L1195?	SanchezQuintoPNAS2019	3779-3647 calBCE (4	-3715	Megalithic	Primrose Grange	Ireland
I2655	GENSCOT24	58.2	-6.94	M	H6a1b2	I2a1b1a1a	I2a1b1a1a1a	I2-L126(xBY46452,xBY3095,xF	OlaldeNature2018	1445-1268 calBCE (3	-1361	Britain_MBA	Pabay Mor, Lewis, Western Isles, Scotland	Great Britain
CAK68	Carrowkeel68	54.1	-8.38	M	H	I2a1b1a1a1~(*)	I2a1b1a1a1b	I2-Y3709	CassidyNature2020 from Cassid	2834-2466 calBCE (4	-2553	Ireland_LN	Carrowkeel, Cairn K, Sligo	Ireland
PN107	Poulnabrone, SE Quac	53	-9.14	M	U4a2f	I2a1b1a1a1~(*,-L11	I2a1b1a1a1b	I2-Y3709*	CassidyNature2020 from Cassid	3932-3653 calBCE (4	-3755	Ireland_EMN	Poulnabrone, Clare	Ireland
PN112	Poulnabrone, F28C, B	53	-9.14	M	U5b2b	I2a1b1a1a1~	I2a1b1a1a1b	I2-Y3709	CassidyNature2020 from Cassid	3704-3529 calBCE (4	-3608	Ireland_EMN	Poulnabrone, Clare	Ireland
PN04	Poulnabrone, Gryke F	53	-9.14	M	H1+16189	I2a1b1a1a1~(+,-Y37	I2a1b1a1a1b*	I2-Y3709*	CassidyNature2020 from Cassid	3946-3653 calBCE (4	-3792	Ireland_N	Poulnabrone, Clare	Ireland
CAK532	Carrowkeel532	54.1	-8.38	M	J1c3	I2a1b1a1a1~(+,-L119	I2a1b1a1a1b*	I2-Y3709*	CassidyNature2020 from Cassid	3013-2890 calBCE (4	-2942	Ireland_LN	Carrowkeel, Cairn K, Sligo	Ireland
PN03	Poulnabrone, Gryke F	53	-9.14	M	K1a1	I2a1b1a1a1~(+)	I2a1b1a1a1b*	I2-Y3709*	CassidyNature2020 from Cassid	3633-3376 calBCE (4	-3510	Ireland_N	Poulnabrone, Clare	Ireland
NG10	Newgrange10, Reg No	53.7	-6.48	M	U5b1+16189+16192	I2a1b1a1a1~(+,-L119	I2a1b1a1a1b*	I2-Y3709*	CassidyNature2020 from Cassid	3339-3028 calBCE (4	-3201	Ireland_MN	Newgrange, Main Chamber, M	Ireland
vik_grt036	vik_grt036	59.6	17.7	M	H13a1a5	I2a2/2b (I-M436*)	I2a1b1a1a1b	I2-Y3709(xBY53602)	KrzewińskaCurrBiol2018	994-1158 calCE (985	1080	Viking	Sigtuna	Sweden
I5359	SB573A_lib.SG, Tinkir	51.5	-3.31	M	H5	I2a2a	I2a1b1a1a1b	I2-Y3709(xY64939)	BraceNatEcolEvol2019	4000-3300 BCE	-3650	Britain_EN	Tinkinswood_1	Great Britain
GNM1076	16E0456:2:1076	54	-9.63	M	H1c	I2a1b1a1a1~	I2a1b1a1a1b	I2-FT380000*	CassidyNature2020	3366-2935 calBCE (4	-3185	Ireland_MN	Glennamong, Mayo	Ireland
PN12	NW Quad, F15, Bag 1:	53	-9.14	M	H	I2a1b1a1a1~	I2a1b1a1a1b	I2-FT380000*	CassidyNature2020	3523-3341 calBCE (4	-3433	Ireland_MN	Poulnabrone, Clare	Ireland
I1767	Sk 2	54.5	-1.31		U5a1a1	I2a1b1a1b~(xI2a1b	I2a1b1a1a1b	I2-BY153037*	OlaldeNature2018	2202-1978 calBCE (3	-2095	Bell_Beaker	Windmill Fields, Stockton-on-Tees, North Yorkshi	Great Britain
I6747	Carsington_pasture_1	53.1	-1.64	M	J1c1	I2a2a1a1a	I2a1b1a1b..	I2-BY166411*	BraceNatEcolEvol2019	3645-3526 calBCE (4	-3578	Britain_EN	Carsington_pasture_1	Great Britain
I3134	ORC_III_17.21	56.4	-5.48	M	T2f4	I2a2a1a1a	I2a1b1a1b..	I2-BY166411*	OlaldeNature2018	3630-3377 calBCE (4	-3511	Britain_N	Raschoille Cave, Oban, Argyll and Bute, Scotland	Great Britain
I7638	SB532A, MH7 Barrow	51.4	-1.15	M	V10b	I2a2a	I2a1b1a1b..	I2-BY166411*	OlaldeNature2018	2288-1776 calBCE (3	-2045	Britain_CA_EBA	Barrow Hills, Radley, Oxfordshire, England	Great Britain
I6753	Coldrum_1, SB 451B3	51.3	0.37	M	K1	I2a2a1a1a	I2a1b1a1b....	I2-BY168618	BraceNatEcolEvol2019	3730-2980 BCE	-3355	Britain_EN	Coldrum_1	Great Britain
I2660	GENSCOT29	56.4	-5.47	M	U5a2+16194	I2a2a1a1a	I2a1b1a1b....	I2-BY168618	OlaldeNature2018	3515-3357 calBCE (4	-3444	Britain_N	Distillery Cave, Oban, Argyll and Bute, Scotland	Great Britain
I3041	Raschoille_1	56.4	-5.47	M	K1a3	I2a2a1a1a	I2a1b1a1b*...	I2-FT370113	BraceNatEcolEvol2019	3942-3037 BCE	-3650	Britain_EN	Raschoille_1	Great Britain
PN07	Poulnabrone, Chambe	53	-9.14	M	U5b1c	I2a1b1a1a1~(+,-L119	I2a1b1a1b*	I2-FT370113	CassidyNature2020 from Cassid	3623-3371 calBCE (4	-3460	Ireland_N	Poulnabrone, Clare	Ireland
prs016	Primrose16, prs016	54.2	-8.56	M	K1a4a1	I2a2a1a1a	I2a1b1a1b*	I2-Y217738	SanchezQuintoPNAS2019	3651-3528 calBCE (4	-3589	Megalithic	Primrose Grange	Ireland
prs008/009	Primrose9, prs008/ 00	54.2	-8.56	M	U5b2c	I2a2a1a1a	I2a1b1a1b*	I2-Y217738	SanchezQuintoPNAS2019	3519-3111 calBCE (L	-3315	Megalithic	Carrowmore	Ireland
MB6	MillinBay6, AX71; B02	54.4	-5.49	M	J1c3	I2a1b1a1a1(-Y3712)	I2a1b1a1b+	I2-L1193*	CassidyNature2020	3494-3036 calBCE (4	-3242	Ireland_MN	Millin Bay (Keentagh Td.), Dow	Ireland
KGH1/KGH2	Killuragh1	52.6	-8.33	M	H	I2a2a1a1a2	I2a1b1a1b+	I2-L1193	Cassidy2017	2344-2036 cal BC	-2190	Ireland_CA_EBA	Killuragh, Limerick	Ireland
PB581	Parknabinnia CL153,	53	-9.11	M	T2b	I2a1b1a1a1~(+L1193	I2a1b1a1b+	I2-L1193*	CassidyNature2020 from Cassid	3625-3363 calBCE (4	-3463	Ireland_N	Parknabinnia, Clare	Ireland
I6760	BurnGround, SB 488B	51.8	-1.85	M	U5b2	I2a2a1a1a2	I2a1b1a1b+	I2-L1193	BraceNatEcolEvol2019	3946-3710 calBCE (5	-3831	Britain_EN	BurnGround	Great Britain
PN05	Poulnabrone, NW Qu	53	-9.14	M	K1a+195	I2a1b1a1a1~(+L1193	I2a1b1a1b1*	I2-L1193(Y3712*)	CassidyNature2020 from Cassid	3944-3651 calBCE (4	-3779	Ireland_N	Poulnabrone, Clare	Ireland
ANN2	Annagh2	52.7	-8.46	M	H4a1a1	I2a1b1a1a1~(+)	I2a1b1a1b1	I2-Y3712	CassidyNature2020	3707-3378 calBCE (4	-3571	Ireland_MN	Annagh, Limerick	Ireland
I6762	UpperSwell,PA SK 18:	51.6	-1.45	M	K1a1	I2a2a1a1a2	I2a1b1a1b1	I2-Y3712(xBY53602)	BraceNatEcolEvol2019	4000-3500 BCE	-3750	Britain_EN	UpperSwell	Great Britain
ASH1	Burial 1 (ADULT); Reg	52.9	-8.19	M	K2a9	I2a1b1a1a1~(+L1193	I2a1b1a1b1	I2-Y3712	CassidyNature2020 from Cassid	3640-3380 calBCE (4	-3551	Ireland_MN	Ashleypark, Tipperary	Ireland
PB1327	Parknabinnia CL153,	53	-9.11	M	T2b3	I2a1b1a1a1~(+L1193	I2a1b1a1b1	I2-Y3712	CassidyNature2020	3626-3356 calBCE (4	-3457	Ireland_MN	Parknabinnia, Clare	Ireland
I6757	Jubilee_cave, SB 470A	54.1	-2.27	M	J1c	I2a2a1a1a2	I2a1b1a1b1	I2-Y3712(xBY53602)	BraceNatEcolEvol2019	3642-3378 calBCE (4	-3543	Britain_EN	Jubilee_cave	Great Britain
I2933	GENSCOT71	58.7	-2.92	M	J1c2	I2a2a1a1a2	I2a1b1a1b1	I2-Y3712(xF14867,xY3713)	OlaldeNature2018	3011-2884 calBCE (4	-2927	Britain_N	Isbister, Orkney, Scotland	Great Britain
I6755	CaveHa3_1, SB 467A3	54.1	-2.29	M	K1a2	I2a2a1	I2a1b1a1b1	I2-Y3712(xBY53602)	BraceNatEcolEvol2019	3644-3527 calBCE (4	-3578	Britain_EN	CaveHa3_1	Great Britain
I6750	Fussels_Lodge_2, SB	51.1	-1.73	M	K1a+195	I2a2	I2a1b1a1b1	I2-Y3712(xBY53602)	BraceNatEcolEvol2019	3800-3600 BCE	-3700	Britain_EN	Fussels_Lodge_2	Great Britain
prs003/015	Primrose3, prs003/01	54.2	-8.56	M	H1i	I	I2a1b1a1b1	I2-Y3712*	SanchezQuintoPNAS2019	3769-3642 calBCE (4	-3693	Megalithic	Primrose Grange	Ireland
ANN1	Annagh1	52.7	-8.46	M	K1a+195	I2a1b1a1a1~(+Y3712	I2a1b1a1b1*	I2-Y3712*	CassidyNature2020 from Cassid	3637-3191 calBCE (4	-3455	Ireland_MN	Annagh, Limerick	Ireland
PN02	Poulnabrone, NW Qu	53	-9.14	M	U5b1c1	I2a1b1a1a1~(+*)	I2a1b1a1b1*	I2-Y3712*	CassidyNature2020 from Cassid	3706-3521 calBCE (4	-3596	Ireland_N	Poulnabrone, Clare	Ireland
I3135	ORC_III_19.1	56.4	-5.48	M	U5b2a	I2a2a	I2a1b1a1b1*	I2-Y3712*	OlaldeNature2018	3638-3386 calBCE (4	-3567	Britain_N	Raschoille Cave, Oban, Argyll and Bute, Scotland	Great Britain
CAK531	Carrowkeel531	54.1	-8.38	M	H1	I2a1b1a1a1(+)	I2a1b1a1b1*	I2-FT380380	CassidyNature2020 from Cassid	2883-2625 calBCE (4	-2751	Ireland_N	Carrowkeel, Cairn K, Sligo	Ireland
prs013/014	Primrose13, prs013/0	54.2	-8.56	M	T2b3c	I2a2a1a1a	I2a1b1a1b1*	I2-FT380380	SanchezQuintoPNAS2019	3605-3370 calBCE (4	-3453	Megalithic	Primrose Grange	Ireland
VK280	Denmark_Galgedil UC	55.5	10.3	M	H11a	I2a1b1a	I2a1b1a1b1a	I2-Y3713	MargaryanNature2020	800-1100 CE	950	Viking	Funen	Denmark
GNM1007	16E0456:2:1007	54	-9.63	M	K1a+195	I2a1b1a1a(1~*)	I2a1b1a1b1a	I2-Y3713	CassidyNature2020	3513-3103 calBCE (4	-3338	Ireland_MN	Glennamong, Mayo	Ireland
VK201	Orkney_Buckquoy, sk	59.1	-3.32	M	H3k1a	I2a1b1a	I2a1b1a1b1a	I2-B293	MargaryanNature2020	404-596 calCE	500	Pict	Orkney	Great Britain
VK173	UK_Oxford_#17; UK_	51.8	-1.26	M	U5a1b+16362	I2a1b1a1a1	I2a1b1a1b1a	I2-FT12648	MargaryanNature2020	880-1000 CE	940	Viking	Oxford	UK
I2691	GENSCOT30	56.4	-5.47	M	J1c1	I2a2a1	I2a1b1a1a	I2-Y10626*	OlaldeNature2018	3710-3632 calBCE (4	-3663	Britain_N	Distillery Cave, Oban, Argyll and Bute, Scotland	Great Britain
I7642	LL27	38.7	-0.49	M	J2b1a	I2a2a2	I2a1b1b	I2-S9403(xBY37398,xBY37404	OlaldeScience2019	2907-2761 calBCE (4	-2834	Iberia_MLN	Les Llometes, Alcoi, Alacant/Alicante, Valencian (	Spain
ROUQCC	ROUQCC94_AMIS_2_	43.2	3.06		T2c1d+152	I2a1b1b	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3495 calBC (3495-33	-3397	France_LN	Grotte du Rouquet, Moujan	France
SUC005	#6	40.8	8.44	M	K1a4a1	I2a1b1	I2a1b1b	I2-S9403(L1228?)	MarcusNatCommun2020	2288-2136 calBCE (3	-2196	Sardinia_EBA	Porto Torres, SAS	Italy
I0581	MIR5, MIR6	42.3	-3.5	M	X2b	I2a2a2a	I2a1b1b	I2-S9403(xL1228)	OlaldeScience2019	2900-2675 calBCE (4	-2796	Iberia_CA	El Mirador Cave, Atapuerca, Burgos, Castilla y Le	Spain
2H10	2H10_Ages_2_6342	48.9	4		H3	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3341 calBC (3341-30	-3216	France_LN	Mont-Aimé hypogée II	France
Matojo	Matojo	42.4	-3.52	M	H3c3	I2a2a2	I2a1b1b	I2-S9403	GuntherPNAS2015	3010-3879 calBCE (4	-3445	Iberia_CA	El Portalon Cave, Sierra de Atapuerca	Spain
2H11	2H11_Ages_2_6343	48.9	4		J1c1	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3351 calBC (3351-31	-3213	France_LN	Mont-Aimé hypogée II	France
ELW027		49	10.1	M	J1c2t		I2a1b1b	I2-S9403(xL1228)	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	CEU_EM	Ellwangen	Germany
1H07	1H07_Ages_2_7168	48.9	4		J1c5	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3338 calBC (3338-30	-3217	France_LN	Mont-Aimé hypogée I	France
TORTD	TORTD19_AMIS_2_02	43.1	3.06		K1a2a	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3261 calBC (3261-29	-3024	France_LN	Grotte des Tortues, les Monges	France
1H13	1H13_Ages_2_7164	48.9	4		K1a4a1	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3092 calBC (3092-29	-3001	France_LN	Mont-Aimé hypogée I	France
2HxC5x196x1131	MA88HIIC5x196_AMI:	48.9	4		X2b	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3214 calBC (3355-31	-3214	France_LN	Mont-Aimé hypogée II	France
ROUQW	ROUQW77_AMIS_2_(	43.2	3.06		X2c1	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3356 calBC (3356-31	-3216	France_LN	Grotte du Rouquet, Moujan	France
ROUQHH	ROUQHH105_AMIS_2	43.2	3.06		U2e1c1	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3346 calBC (3346-31	-3214	France_LN	Grotte du Rouquet, Moujan	France
2H17	2H17_Ages_2_7212	48.9	4		U5b1i	I2a1b1b1	I2a1b1b	I2-S9403	SeguinOrlandoCurrBiol2021	3338 calBC (3338-30	-3208	France_LN	Mont-Aimé hypogée II	France
I14676	1268, Tomb II Cella A	40.8	8.59	M	J1c3j	I2a2a2a	I2a1b1b	I2-L1228	FernandesNatEcolEvol2020	2200-2030 calBCE (3	-2103	Sardinia_Ch	Sardinia, Serra Crabiles	Italy
I14675	1267, Tomb III Cella B	40.8	8.59	M	J2b1a+16311C!	I2a2a2a	I2a1b1b	I2-L1228	FernandesNatEcolEvol2020	2191-1973 calBCE (3	-2071	Sardinia_Ch	Sardinia, Serra Crabiles	Italy
I15946	2485, Tomb F	40.6	8.32	M	T2c1d	I2a2a	I2a1b1b	I2-L1228	FernandesNatEcolEvol2020	4158-3958 calBCE (5	-4018	Sardinia_Neolithic	Sardinia, Anghelu Ruju	Italy
I7187	I7187	50.1	14.2	M	T2c1d+152	I2a1b1b1a	I2a1b1b	I2-L1228	PapacSciAdv2021	5260±20 BP	-4108	CEU_N	Makotřasy_51/61, Bohemia	Czech Republic
I2378	HELI2a	47.9	21	M	U8b1b	I	I2a1b1b	I2-L1228	LipsonNature2017	5300-4900 BCE	-5100	Alfold_Linear_Pottery	Hejőkürt-Lidl logisztikai központ	Hungary
I3269	LY.II.A.10.15066	42.6	-2.7	M	U5b2b3a	I2a2a2a	I2a1b1b	I2-L1228	OlaldeScience2019	3000-2800 BCE	-2900	Iberia_CA	Las Yurdinas II, Peñacerrada-Urizaharra, Araba/Á	Spain
I7604	Mandubi Zelaia 13G-!	43.1	-2.25	M	H1ak	I2a2a2a	I2a1b1b	I2-S10631(xBY191090,xBY535	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Mandubi Zelaia, Ezkio-Itsaso, Gipuzkoa, Basque C	Spain
I7605	Mandubi Zelaia 13G-!	43.1	-2.25	M	H3	I2a2a	I2a1b1b	I2-S10631(xBY37398,xBY3740	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Mandubi Zelaia, Ezkio-Itsaso, Gipuzkoa, Basque C	Spain
ORC004	ORC004	39.7	9.43	M	H3	..	I2a1b1b	I2-S10631(xFGC70306)	MarcusNatCommun2020	1386-1135 calBCE (3	-1276	Sardinia_Nuragic	Perdasdefogu, NUO	Italy
I4565	GC.I-1-c.n10	41.3	1.06	M	H5	I2a2a	I2a1b1b	I2-S10631(xBY167523,xBY373	OlaldeScience2019	3022-2907 calBCE (4	-2965	Iberia_CA	Galls Carboners, Mont-ral, Tarragona, Catalonia	Spain
I0458	Roy1	42.4	-3.75	M	K1a1b1	I2a2a	I2a1b1b	I2-S10631(xBY37404)	OlaldeNature2018	2456-2204 calBCE (3	-2332	Bell_Beaker	Arroyal I, Burgos	Spain
I1970	V-2	38.9	-9.08	M	X2b+226	I	I2a1b1b	I2-S10631(xBY191090,xBY570	OlaldeNature2018	2876-2491 calBCE (4	-2685	Bell_Beaker	Verdelha dos Ruivos, District of Ver	Portugal
ISC001	ISC001, c.100	40.7	8.54	M	T2b3	..	I2a1b1b	I2-S10631	MarcusNatCommun2020	2297-2139 calBCE (3	-2225	Sardinia_Nuragic	Usini, SAS	Italy
SUC003	B2, #3	40.8	8.44	M	J1c3	..	I2a1b1b	I2-S10631*	MarcusNatCommun2020	2131-1941 calBCE (3	-2068	Sardinia_EBA	Porto Torres, SAS	Italy
I7602	Mandubi Zelaia 13G-!	43.1	-2.25	M	J1c1	I2a2a2a	I2a1b1b	I2-BY37398(xBY191090,xBY53	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Mandubi Zelaia, Ezkio-Itsaso, Gipuzkoa, Basque C	Spain
I11248	Ar-J6 (Jentillarri 6)	43.1	-2.22	M	J2a1a1	I2a2a2a	I2a1b1b	I2-BY37398(xBY191090,xBY53	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Jentillarri, Enirio-Aralar, Gipuzkoa, Basque Count	Spain
I7603	Mandubi Zelaia 13G-!	43.1	-2.25	M	K1a2b	I2a2a	I2a1b1b	I2-BY37398(xBY191090,xBY53	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Mandubi Zelaia, Ezkio-Itsaso, Gipuzkoa, Basque C	Spain
I11249	Ar-J10 (Jentillarri 10)	43.1	-2.22	M	U5b1	I2a2a2	I2a1b1b	I2-BY37398(xBY191090,xBY53	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Jentillarri, Enirio-Aralar, Gipuzkoa, Basque Count	Spain
I7606	Mandubi Zelaia 13H-!	43.1	-2.25	M	U5b1+16189+@1619	I2a2a2	I2a1b1b	I2-BY37398(xBY191090,xBY53	OlaldeScience2019	3500-2700 BCE	-3100	Iberia_MLN	Mandubi Zelaia, Ezkio-Itsaso, Gipuzkoa, Basque C	Spain
I0460	Roy3	42.4	-3.75	M	H45	I2a2a	I2a1b1b	I2-BY191090	OlaldeNature2018	2460-2206 calBCE (3	-2335	Bell_Beaker	Arroyal I, Burgos	Spain
SUC007	C2, n. E	40.8	8.44	M	J2a1a1	I2a1b1	I2a1b1b	I2-BY37404(xFGC70306)	MarcusNatCommun2020	2462-2290 calBCE (3	-2371	Sardinia_EBA	Porto Torres, SAS	Italy
I1845	LHUE-Pet1: LHUE-201	42.6	-2.57	M	K1a2c	I2a2a2	I2a1b1b	I2-BY37404(xFGC70306,xS160	OlaldeScience2019	3100-2650 BCE	-2875	Iberia_CA	Alto de la Huesera, Laguardia, Araba/Álava, Basq	Spain
atp016	atp12-1420,Matojo, A	42.4	-3.52	M	H3c3	I2-M223	I2a1b1b	I2-BY37404	OlaldeNature2019 from Valdio:	3011-2881 calBCE (4	-2918	Iberia_CA	El Portalón, Atapuerca	Spain
I5838	MIR202-037-n105	42.3	-3.5	M	K1a26	I2a2a2a	I2a1b1b	I2-BY37404*	OlaldeScience2019	2900-2300 BCE	-2600	Iberia_CA	El Mirador Cave, Atapuerca, Burgos, Castilla y Le	Spain
KH150612	NT5+6.2	50.3	7.9	M	H5	I2a2a2a	I2a1b1b	I2-Y52134*	ImmelCommunBiol2021	3300-3200 cal BCE	-3250	CEU_LN	Niedertiefenbach	Germany
I7272	Grave 23	50.2	14.2	M	K2a5		I2a1b1b	I2-Y52134*	OlaldeNature2018	3624-3376 calBCE (4	-3467	CEU_LN	Brandýsek	Czech Republic
I4971	TIDO2a	47.6	20.7	M	K1	I2a2	I2a1b2	I2-S2599	LipsonNature2017	5737-5538 calBCE (6	-5649	Balkans_EN	Tiszaszőlős-Domaháza	Hungary
I5401	HJDK_8	44.6	22.3	M	U5a1	I2a2	I2a1b2	I2-S2599(xS2497,xY63727)	MathiesonNature2018	7076-6699 calBCE (8	-6888	Iron_Gates_HG	Hadučka Vodenica	Serbia
I4607	SCCL_46/1	44.6	22.6	M	U5a2	I2	I2a1b2	I2-S2599(xS2519,xY63727)	MathiesonNature2018	7446-6643 calBCE (8	-6977	Iron_Gates_HG	Schela Cladovei	Romania
R11	RMPR-11	42	13.5	M	U5b	I-M436	I2a1b2	I2-S2599	AntonioScience2019	9999-9801 calBCE (1	-9918	Italy_HG_N	Grotta Continenza	Italy
I4915	HJDK_21	44.6	22.3	M	U5b2b	I2a2	I2a1b2	I2-S2599*	MathiesonNature2018	6340-5990 calBCE (7	-6165	Iron_Gates_HG	Hadučka Vodenica	Serbia
PER3123	PER3123	45.8	0.33	M	U5b1-16189	I2a1b2	I2a1b2	I2-S11321	BrunelPNAS2020	7200-7000 BCE	-7100	France_HG	Agris	France
SRA62	Sramore62, 1997:62	54.3	-8.34	M	U5a2d	I2a1b2(+S2519)	I2a1b2a*	I2-S2519*	CassidyNature2020 from Cassid	4226-3961 calBCE (5	-4051	Ireland_HG	Sramore, Leitrim	Ireland
I18945	c.101	40.8	8.44	M	J2a1a1a	I2a1b	I2a1b2a*	I2-S2497	MarcusNatCommun2020	1867-1631 calBCE (3	-1717	Sardinia_EBA	Porto Torres, SAS	Italy
I6767	Cheddar_man	51.3	-2.77	M	U5b1	I2a2	I2a1b2a*	I2-S2497	BraceNatEcolEvol2019	8615-7966 calBCE (9	-8330	Britain_HG	Cheddar_man	Great Britain
I0114	ESP2	51.4	11.7	M	I3a	I2a2	I2a1b2a	I2-(pre-?)L38	HaakLazaridisNature2015	2141-1947 calBCE (3	-2074	Unetice	Esperstedt	Germany
ELW030		49	10.1	M	H1c2		I2a1b2a	I2-L38	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	CEU_EM	Ellwangen	Germany
M3		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M2		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M6		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M1		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M5		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M19		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M7		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M4		51.7	10.2	M	H	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M16		51.7	10.2	M	U5b	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
M8		51.7	10.2	M	U5b	I2b2	I2a1b2a	I2-L38	Schilz2006	1000-700 BC	-850	Urnfield	Lichtenstein cave	Germany
I2977	GENSCOT75	58.7	-2.92	M	H1	I2a2	I2a1b2	I2-Y63727	OlaldeNature2018	3010-2708 calBCE (4	-2893	Britain_N	Isbister, Orkney, Scotland	Great Britain
	596	43.9	3.03	M	H1	I2a	I2a1a	I2-P37.2	LacanPNAS2011a	3000 B.C.	-3000	France_LN	Treilles cave I at Saint-Jean-et-Saint-Paul	France
	577	43.9	3.03	M	H3	I2a	I2a1a	I2-P37.2	LacanPNAS2011a	3000 B.C.	-3000	France_LN	Treilles cave I at Saint-Jean-et-Saint-Paul	France
LPF 36		49.1	2.7	M	K1a	I2a1	I2a1a	I2-P37.2	Lacan2011	2750-2725 calBC	-2737	Megalithic	dolmen de la Pierre Fritte, Yermenonville in Eure	France
ALE15		46.2	18.7	M	N1	I2a1	I2a1a	I2-P37.2	SzécsényiNagyProcRSocLondB2015		-5050	Balkans_EN	Alsónyék-Elkerülő 2. site	Hungary
I0453	Cmol79	38.1	-1.85	M	V	I	I2a1a	I2-P37.2	OlaldeNature2018	2456-2146 calBCE (3	-2289	Iberia_CA	Camino del Molino, Caravaca, Murcia	Spain
BAL003	E9605	42.1	1.6	M	U2'3'4'7'8'9'	C1a1a	I2a1a	I2-P37.2	VillalbaMoucoCurrBiol2019	10727-9272 calBCE (	-9958	Iberia_HG	Navés, Lleida	Spain
LPF 27		49.1	2.7	M	K	I2a1	I2a1a	I2-P37.2	Lacan2011	2750-2725 calBC	-2737	Megalithic	dolmen de la Pierre Fritte, Yermenonville in Eure	France
VINJ4	7b	45.3	18.8	M	V6	I2a1	I2a1a	I2-P37.2	SzécsényiNagyProcRSocLondB2015		-5600	Starcevo	Vinkovci Jugobanka	Croatia

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	YTree	Source	Mean	Simplified_Culture	Country
YaroslavlYDNA26		57.6	39.9			I2a-P37	I2-P37.2	AlborovaMustafinMFTI2020	1250	Slav_East	Russia
Ajvide70	Ajv70A	57.3	18.2	M	U4d	I2a1a (low coverage)	I2-P37.2	SkoglundScience2014	-2750	Pitted_Ware	Sweden
I1565	Bla8	51.4	7.55	M	U5b2b2	I2a1	I2-P37.2(xM423)(CTS595?)	LipsonNature2017	-3724	CEU_MN	Germany
I0449	Gorzsa18	46.4	20.3	M	U5b2c	I2a1	I2-P37.2(xM26,xL1294,xM423)	LipsonNature2017	-4750	Balkans_LN	Hungary
I7197	Grave 77	50.1	14.4	M	X2b6	I2a1	I2-P37.2(xM26,xL233,xL880,xL...	OlaldeNature2018	-4488	Unetice	Czech Republic
I5771	VLSC_6, S5771.E1.L1	44.5	22.1	M	U5a1c1	I	I2-P37.2(xM26,xM423)	MathiesonNature2018	-6375	Iron_Gates_HG	Serbia
I2754	GEN_23	46.8	17.7	M	J1c	I2a1	I2-P37.2(xM423)	LipsonNature2017	-3190	Balkans_LCA	Hungary
I15939	2476, Tomb XX	40.6	8.32	M	J1c3j	n/a (too low coverage)	I2-P37.2(xM423)	FernandesNatEcolEvol2020	-1550	Sardinia_Nuragic	Italy
I10072	P8L3-3	44.7	18.1	M	N1a1a1+152T+11884	I2a1a(xI2a1a2)	I2-P37.2(xM423)	NovakPLoSONE2021	-4150	Croatia_C	Croatia
I10062	P8L12	44.7	18.1	M	HV+16311C+13356C	I2a1a(xI2a1a2)	I2-P37.2(xM423)	NovakPLoSONE2021	-4150	Croatia_C	Croatia
I2353	PULE1.10a	47.5	20.5	M	T2c1	I2a	I2-P37.2(xM423)	LipsonNature2017	-4250	Balkans_CA	Hungary
I2755	GEN_24	46.8	17.7	M	U8b1a1	I	I2-P37.2(xM423)	LipsonNature2017	-3225	Balkans_LCA	Hungary
I7645	LL5, S-EVA 22874	38.7	-0.49	M	HV0d	I	I2-P37.2(xY3107)	OlaldeScience2019	-3770	Iberia_MLN	Spain
vbj013		57.6	18.7	M	U4a2	I2a1a-CTS595	I2-CTS595	CoutinhoAmJPhysAnthropol2020	-2757	Pitted_Ware	Sweden
I2752	GEN_21	46.8	17.7	M	K1a1	I2	I2-M26	LipsonNature2017	-3225	Balkans_LCA	Hungary
I3759	LHY 073	42.6	-2.59	M	H1	I2a1a1a	I2-M26(xL160)	OlaldeScience2019	-272	Iberia_IA	Spain
I2741	GEN_20, Grave 49	47.4	19	M	H1+16189	I2a1a1	I2-M26(xL160)	OlaldeNature2018	-2456	Bell_Beaker	Hungary
ELT006	ELT006	42.5	0.5		U3a1	I2a1b	I2-M26(xL160)	VillalbaMoucoCurrBiol2019	-3859	Iberia_EN	Spain
I2753	GEN_22	46.8	17.7	M	U5a1	I2a1a1a	I2-M26(xL160)	LipsonNature2017	-3135	Balkans_LCA	Hungary
ELT002	ELT002	42.5	0.5		J1c1b	I2a1b	I2-M26(xL160)	VillalbaMoucoCurrBiol2019	-3803	Iberia_EN	Spain
I11605	MS015	39.2	-9.3	M	HV0d	I2a1a1a	I2-M26(xL160,xDC796)	OlaldeScience2019	-2800	Iberia_CA	Portugal
R104	RMPR-104	41.9	12.5	M	U5b3a1a	I-PF4088	I2-M26(xPF4390,xZ125,xDC79...	AntonioScience2019	631	Italy_LA	Italy
I10277	GN.08.Data:27/4; Niv...	41.4	1.57	M	X2c1	I2	I2-M26(xZ102)	OlaldeScience2019	-2950	Iberia_MLN	Spain
I6601	Bol 5A, Adult 2 11B 4	39.1	-9.29	M	H1e2	I2	I2-PF3981(xPF4390,xDC796)	OlaldeScience2018	-2700	Iberia_CA	Portugal
I11599	MS009	39.1	-9.29	M	J2b1a2	I2a1a1	I2-L160	OlaldeScience2019	-3100	Iberia_CA	Portugal
I5429	Pit 11, UE78	38.4	-7.55	M	J2b1a3	I2a1a1a	I2-L160	OlaldeScience2019	-2916	Iberia_CA	Portugal
DolmenAnsiao96B	DA96B	39.9	-8.44	M	K1b1a	I2a1a1	I2-L160	OlaldeScience2019 from Marti...	-3500	Iberia_MLN	Portugal
I1303	MIR25	42.3	-3.5	M	U3a1	I2a1a1a	I2-L160(xPF4390,xZ125)	OlaldeScience2019	-2600	Iberia_CA	Spain
I16170	2469, Tomb E	40.6	8.32	M	H3am	I2	I2-L160(xPF4390,xZ125,xDC79	FernandesNatEcolEvol2020	-1387	Sardinia_Nuragic	Italy
I4229	CDM3	38.7	-9.22	M	U5a2+16362	I2a1	I2-F1295*	OlaldeScience2019	-2208	Iberia_CA	Portugal
SID005	S1 7	40.6	8.64	M	K1a	I2?	I2-pre-PF4350	MarcusNatCommun2020	-4145	Sardinia_Neolithic	Italy
ORC002		39.7	9.43	M	HV0j	I2a1a1a1a1a1a1e5~	I2-pre-PF4350	MarcusNatCommun2020	-299	Sardinia_Punic	Italy
JK2739	JK2739	39.9	9.24	M	H1	I2a1a1a	I2-Y11222	MarcusNatCommun2020	-1785	Sardinia_EBA	Italy
KH150623	NT135	50.3	7.9	M	X2c1	I2a1a1a	I2-Y14718*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
GLR004		44.1	12.2	M	H3am	I2b-M26	I2-PF6947(xBY37396,xPF6935	SaupeCurrBiol2021	-2789	Italy_CA	Italy
RISE486	T78	45.3	10.4	M	J1c1b	I	I2-PF6947(xBY37396,xBY8420	AllentoftNature2015	-1952	Italy_BA	Italy
RISE489	T65	45.3	10.4	M	X2c1	I	I2-PF6947(xBY37396,xBY8420	AllentoftNature2015	-2752	Italy_BA	Italy
RISE487	T56	45.3	10.4	M	H2a	I	I2-PF3981(Z27398?;xBY18960	AllentoftNature2015	-3257	Italy_BA	Italy
Rochedane	Rochedane	47.2	6.45	M	U5b2b	I	I2-S21825	MathiesonNature2018 (New da	-11077	West_European_Hunter_	France
I0015	Motala6	58.5	15	M	U5a2d	I2a1	I2-S21204(xFT344600,xL1286)	MathiesonNature2015 (1240k	-5760	Nordic_HG	Sweden
Ajvide52	Ajv52A	57.3	18.2	M	V	I2	I2-FT344596*	SkoglundScience2014	-2750	Pitted_Ware	Sweden
SBj	SBj	57.8	18.5		U4a1	I2	I2-FT344596*	GuntherPLoSBiology2018	-6821	Nordic_HG	Sweden
Ajvide58		57.3	18.2	M	U4d	I2	I2-FT344596*	SkoglundScience2014	-2750	Pitted_Ware	Sweden
ajv54		57.3	18.2	M	U5b1d2	I	I2-FT344596*	MalmströmProcRSocLondB201	-2899	Pitted_Ware	Sweden
I1763	inv. 6462/23	47.4	35.3	M	U5b2	I2a1	I2-FT344596*	MathiesonNature2018	-8131	Ukraine_M	Ukraine
PB2031	Parknabinnia CL153, (	53	-9.11	M	K1a2b	I2a1a1b~(+)	I2-FT344600*	CassidyNature2020 from Cassic	-3481	Ireland_N	Ireland
PN06	Poulnabrone, NW Qu	53	-9.14	M	H*	I2a1a1b~(+)	I2-FT344665*	CassidyNature2020 from Cassic	-3509	Ireland_N	Ireland
ASH3	1980. Human Bones. I	52.9	-8.19	M	T2c1d1	I2a1a1b~(+)	I2-FT344665	CassidyNature2020 from Cassic	-3659	Ireland_MN	Ireland
PB672	Parknabinnia CL153, (	53	-9.11	M	T2c1d+152	I2a1a1b~(+)	I2-FT344665*	CassidyNature2020 from Cassic	-3492	Ireland_N	Ireland
PB675	Parknabinnia CL153, (	53	-9.11	M	H1	I2a1a1b~(+)	I2-FT344602	CassidyNature2020 from Cassic	-3221	Ireland_N	Ireland
PB768	Parknabinnia CL153, (	53	-9.11	M	H4a1a1	I2a1a1b~(+)	I2-FT344602	CassidyNature2020 from Cassic	-3525	Ireland_N	Ireland
PB186	Parknabinnia CL153, (	53	-9.11	M	X2b+226	I2a1a1b~(+)	I2-FT344602	CassidyNature2020 from Cassic	-3443	Ireland_N	Ireland
Mok32	295	45.9	20.4	M	H80	I2a1a	I2-Y4213(Y28222?)	ŽegaracSciRep2021	-1936	Balkans_EBA	Serbia
RISE254	ID 4091	47.3	19	M	J1c9	I	I2-Y4213(xL1287,xBY33170)	AllentoftNature2015	-1998	Balkans_BA	Hungary
Mok29a	282	45.9	20.4	M	H2b	BT	I2-Y28222*	ŽegaracSciRep2021	-1936	Balkans_EBA	Serbia
Bichon	Bichon	47.1	6.87	M	U5b1+16189+@1619	I2a1a2a	I2-Y28222*	JonesNatCommun2015	-11748	West_European_Hunter_	Switzerland
I5236	PADN_12	44.6	22	M	U5a2d	I2a1	I2-BY33164*	MathiesonNature2018	-8088	Iron_Gates_HG	Serbia
I1507	HUNG345a, KO1, I150	47.6	20.7	M	R1b1	I2a1	I2-FTA37506	MathiesonNature2015 (capture	-5711	Balkans_EN	Hungary
I7042	HUNG496, grave 244	47.4	19.1	M	H	I2a1	I2-M838*	OlaldeNature2018	-4136	Balkans_MN	Hungary
KH150190	NT21 (Repeated KH15	50.3	7.9	M	J1c1	I2c	I2-M838	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150614_KH1506	NT142.1	50.3	7.9	M	J1c3g	I2a1a2a2	I2-BY73844	ImmelCommunBiol2021	-3250	CEU_LN	Germany
I6696	VEZE_27-III, Nicolaus	50.5	14.1	M	H2a1	I2a1	I2-Y78027	NarasimhanPattersonScience20	-2625	Corded_Ware	Czech Republic
I4440	ZVEJ21	56.3	25.1	M	U4a1	I2a1	I2-FTA37476	MathiesonNature2018	-5154	Baltic_HG	Latvia
I4438	ZVEJ16	56.3	25.1	M	U4b1a2	I2a1	I2-FTA37476	MathiesonNature2018	-5298	Baltic_HG	Latvia
I1495	NE7.SG, HUNG347	47.2	19.8	M	N1a1a1a	I2a1	I2-FTA37509	MathiesonNature2015 (capture	-4417	Lengyel	Hungary
Spiginas1	Spiginas1	55.8	22.4	M	H11a	I2a1a2a1a	I2-L233	MittnikNatCommun2018	-4313	Baltic_EMN	Lithuania
VK22	Russia_Ladoga_5680-	60	32.3	M	T2b	I	I2-A8462	MargaryanNature2020	1050	Viking	Russia
ROS47		48.5	7.47		H1c	I2a1a2	I2-M423	BrunelPNAS2020	-4600	France_MN1	France
I14170	I14170	50.1	14.2	M	H+16129	I2a1a2	I2-M423	PapacSciAdv2021	-3650	CEU_N	Czech Republic
BERG157-5		43.2	2.41		J2b1a	I2a1a2	I2-M423	BrunelPNAS2020	-4100	France_MN2	France
ROS102	ROS102	48.5	7.47	M	K1a1a	I2a1a2	I2-M423	BrunelPNAS2020	-4650	France_MN1	France
Cx19		43.3	1.2		K1a4a1	I2a1a2	I2-M423	BrunelPNAS2020	-4296.5	France_MN2	France
Es97-1	Es97-1	50.9	1.71	M	K1a-195	I	I2-M423	BrunelPNAS2020	-4550	France_MN2	France
VT5-7		43.3	1.2		X2b-226	I2a1a2	I2-M423	BrunelPNAS2020	-3900	France_MN2	France
ROUQFF	ROUQFF101_AMIS_2_	43.2	3.06		V	I2a1a2	I2-M423	SeguinOrlandoCurrBiol2021	-3217	France_LN	France
ROS115		48.5	7.47		T2b	I2a1a2~	I2-M423	BrunelPNAS2020	-4600	France_MN1	France
VK347	Oland_1065	56.9	16.7	M	T2b28	I2a1b1	I2-M423	MargaryanNature2020	950	Viking	Sweden
I2634	GENSCOT06	58.5	-3.6	M	U2+152	I2a1b	I2-M423	OlaldeNature2018	-3617	Britain_N	Great Britain
CRE3		43.2	3.13		U3a1	I2a1a2	I2-M423	BrunelPNAS2020	-4150.5	France_MN2	France
ROS78	ROS78	48.5	7.47	M	U8b1b1	I2a2b~	I2-M423	BrunelPNAS2020	-4650	France_MN1	France
I0011	Motala1	58.5	15	F	U5a1	I2a1a2	I2-M423	MathiesonNature2015 (1240k	-5614	Nordic_HG	Sweden
PSS3072		48.5	3.6		U5a2d	I2a1a2	I2-M423	BrunelPNAS2020	-3488.5	France_MN2	France
BERG157-7	BERG157-7	43.2	2.41	M	U5b1c	I2a1a2~	I2-M423	BrunelPNAS2020	-4162	France_MN2	France
BERG746		43.2	2.41		U5b2a3	I2a1a2	I2-M423	BrunelPNAS2020	-3803.5	France_MN2	France
I0519	NBL11_2011.2	52.2	-0.94	M	X2b+226	I2a1a2(xI2a1a2a1a3,x	I2-M423(xY28990,xL621)	OlaldeNature2018	-3230	Britain_N	Great Britain
I6543	Yese 13A, Area 10 UE	40.4	-3.5	M	H1	I2a1a2(xI2a1a2b)	I2-M423(xL621)	OlaldeScience2018	-2150	Iberia_CA	Spain
prs018	Primrose18, prs018	54.3	-8.55	M	K1a+195	I2a1a2(xI2a1a2b)	I2-M423(xL621)	SanchezQuintoPNAS2019	-3693	Megalithic	Ireland
CHA001_merged	84C	42.2	-0.14		HV0+195	I2a1a2(xI2a1a2b)	I2-M423(xL621)	VillalbaMoucoCurrBiol2019	-5177	Iberia_EN	Spain
TU915(SX29)	TU915, Tombe 18	48.6	7.68		T2b	I2a1b	I2-M423(xL621)	FurtwaenglerNatCommun2020	-4650	France_MN	France
I8048	13	37	-3.89	M	U5b1	I2a1b	I2-M423(xL621)	OlaldeScience2019	-2100	Iberia_CA	Spain
I2796	GENSCOT79	59.3	-2.94	M	H3	I2a1b	I2-M423(xCTS4002)	OlaldeNature2018	-3621	Britain_N	Great Britain
LugarCanto45	LC45	39.4	-8.52	M	..	I2a1b	I2-M423(xCTS10228)	OlaldeScience2019 from Marti	-4000	Iberia_MLN	Portugal
I4303	ST2009	43.5	5.86	M	H3	I2a1b	I2-M423*	OlaldeNature2018	-4683	France_MLN	France
por002	ATP04 ExcW	42.4	-3.52	M	K1a2b	I2-M423	I2-M423*	ValdioseraPNAS2018	-3161	Iberia_CA	Spain
I4304	ST2224	43.5	5.86	M	T2c1d+152	I2a1b	I2-M423*	OlaldeNature2018	-4689	France_MLN	France
I10278	GN.88.E3.32	41.4	1.57	M	U5b1	I2a1b	I2-M423*	OlaldeScience2019	-2950	Iberia_MLN	Spain
OBN011	OB 4664-1	48.5	7.48	M	H2a2?	I2a1a2	I2-(pre?)CTS5375	RivollatSciAdv2020	-4599	France_MN	France
COR002	Ind.2	40.5	8.79	M	K1b1a1	I2a1a2	I2-CTS5375	MarcusNatCommun2020	854	Sardinia_EMA	Italy
OBN007	OB 4001-1	48.5	7.48	M	K1	I2a1a2	I2-CTS5375(xA8742,xY28990,x	RivollatSciAdv2020	-4427	France_MN	France
CovaMoura364	CM364	38.7	-9.22	M	H	I2a1b	I2-CTS5375(xA8742,xL621)	OlaldeScience2019 from Marti	-2250	Iberia_CA	Portugal
I2631	GENSCOT03	59.2	-2.57	M	H5	I2a1b	I2-CTS5375(xY28990,xL621)	OlaldeNature2018	-3007	Britain_N	Great Britain
ans016	Ansarve 16	57.5	18.1	M	H7d	I2a1b	I2-CTS5375(xY28990,xL621)	FraserJArchaeolSciRep2018	-2755	Megalithic	Sweden
mid001	Midhowe 1	59.2	-3.1	M	H5+16311	I2a1b	I2-CTS5375(xL621)	SanchezQuintoPNAS2019	-3223	Megalithic	Scotland
CabecoArruda117B	CA117B	39.1	-8.66	M	J1c1b	I2a1b	I2-CTS5375(xL621)	OlaldeScience2019 from Marti	-3100	Iberia_CA	Portugal
I8364	11836	37.2	-4.24	M	J2b1a2a	I2a1b	I2-CTS5375(xL621)	OlaldeScience2019	-2638	Iberia_CA	Spain
OBN004	OB 4088-1	48.5	7.48	M	K1a2b	I2a1a2	I2-CTS5375(xL621)	RivollatSciAdv2020	-4578	France_MN	France
CHA003	CH.NIG.11558	42.2	-0.14		K1a3a	I2a1b	I2-CTS5375(xL621)	VillalbaMoucoCurrBiol2019	-5125	Iberia_EN	Spain
mid002	Midhowe 2	59.2	-3.1	M	K1a+195	I	I2-CTS5375(xL621)	SanchezQuintoPNAS2019	-3460	Megalithic	Scotland
OBN005	OB 4090-1	48.5	7.48	M	V	I2a1a2	I2-CTS5375(xL621)	RivollatSciAdv2020	-4938	France_MN	France
I5428	CLA6	39.6	-9.05	M	U5b1+16189+@1619	I2a1b	I2-CTS5375(xL621)	OlaldeScience2019	-3215	Iberia_CA	Portugal
I11592	MS002	39.1	-9.27	M	U5b2b	I2a1b	I2-CTS5375(xL621)	OlaldeScience2019	-2700	Iberia_CA	Portugal
Ire8	Ire8	57.8	18.6	M	U4d	I2a1b	I2-CTS5375(xCTS10228)	SkoglundScience2014	-2625	Pitted_Ware	Sweden
MX191	Individuum 10/16	47.3	8.22		H3+16189	I2a1b	I2-CTS5375*	FurtwaenglerNatCommun2020	-2573	Corded_Ware	Switzerland
MX192	Individuum 4/15	47.3	8.22		H11a+152	I2c	I2-CTS5375*	FurtwaenglerNatCommun2020	-2516	Corded_Ware	Switzerland
PEN003	Pendimoun H2	43.8	7.51	M	J1c3	I2a1a2	I2-CTS5375*	RivollatSciAdv2020	-5413	France_MN	France
KH150289	NT98	50.3	7.9	M	HV0	NA	I2-CTS5375*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
MX190	Individuum 14/6	47.3	8.22		U2e2a1d	low coverage	I2-CTS5375*	FurtwaenglerNatCommun2020	-2447	Corded_Ware	Switzerland
KH150422	NT46	50.3	7.9	M	n/a	NA	I2-CTS5375*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
I19454	OnlineReport	42.6	25.4		U8b1b	I2a1a2b(xI2a...)	I2-L621	ReichLab2020(SE_Europe)	-2850	Balkans_EBA	Bulgaria
MH/9	MHper9	47	21.5			I2a1a2	I2-L621	NeparáczkiSciRep2019	950	Magyar	Hungary
NA_13		50.7	16.8			I2a1b2-L621	I2-L621	StolarekSciRep2019	950	Slav_Early	Poland
TverYDNA27	Number of samples u	56.9	35.9			I2a "Slavic-Carpathian"	I2-L621	AlborovaMustafinMFTI2020	1200	Slav_East	Russia
TverYDNA26	Number of samples u	56.9	35.9			I2a "Slavic-Carpathian"	I2-L621	AlborovaMustafinMFTI2020	1200	Slav_East	Russia
TverYDNA25	Number of samples u	56.9	35.9			I2a "Slavic-Carpathian"	I2-L621	AlborovaMustafinMFTI2020	1200	Slav_East	Russia
UHR1	Great Bosnian Prince	44	18.3	M		I2a	I2-L621	DzehverovicIntJOsteoarchaeol	1376	Slav_South	Bosnia and He
BM	Great Bosnian Prince	44	18.3	M		I2a	I2-L621	DzehverovicIntJOsteoarchaeol	1405	Slav_South	Bosnia and He
MH/15	MHper15	47	21.5			I2a1a2b	I2-L621(xS17250)	NeparáczkiSciRep2019	950	Magyar	Hungary
MH/16	MHper16	47	21.5			I2a1a2b	I2-L621(xS17250)	NeparáczkiSciRep2019	950	Magyar	Hungary
CHV002	CHV38	67.2	37.6	M	V7a1	I2a1	I2-CTS10936	LamnidisNatCommun2018	1800	Saami_Modern	Russia
GomolavaMedieval		44.9	19.8			I2a1a2b	I2-CTS4002	InformalReport	875	Slav_Early	Serbia
VK53	Gotland_Kopparsvik-1	57.6	18.3	M	HV9b	I2a1a2b1a1	I2-CTS10228	MargaryanNature2020	975	Viking	Sweden
KEIII/11		48.4	21.6	M		I2a1b3-L621 100%	I2-CTS10228	FóthiArchaeolAnthropolSci2020	925	Magyar	Hungary
K3/12	K3per12	48.3	21.7	M	A12	I2a1a2b	I2-S20602(Z178557/Y4460?)	NeparáczkiSciRep2019	925	Magyar	Hungary
KEII/52	K2/52, Karos II/52	48.4	21.6	M		I2a1b3-L621 99.8%	I2-S20602(Z178557/Y4460?)	FóthiArchaeolAnthropolSci2020 (additional info of same sa	925	Magyar	Hungary
KEII/16	K2/16, Karos II/16	48.4	21.6	M		I2a1b3-L621 100%	I2-S20602(Z178557/Y4460?)	FóthiArchaeolAnthropolSci2020 (additional info of same sa	925	Magyar	Hungary
VK210	Poland_Kraków-Zakrz	50	19.9	M	H5e1a1	I2a	I2-Z16971	MargaryanNature2020	1150	Nordic_MA	Poland
POH44		48.7	16.9		H1k		I2-Z16972	UniFribourg2021	900	Slav	Czech Republic
Sunghir6	Sungir6	56.2	40.5	M	U2	I2a1	I2-A16681*	SikoraScience2017	1128	Russia_MA	Russia
POH41		48.7	16.9		U3a1*		I2-BY193138	UniFribourg2021	900	Slav	Czech Republic
POH36		48.7	16.9		T1a2*		I2-Y4882*	UniFribourg2021	900	Slav	Czech Republic
KRA008	436-6a	51.7	11.8	M	T1a10*	I2a1a2b1a1a	I2-Y16473*	ParkerSciRep2020	1351.5	CEU_Medieval	Germany
irk032	irk032_merged.hs37d	57.5	103	M	D6c	PhyloTree: I*; ISOGG: I*	I2-A6106	KılınçSciAdv2021 from KılınçSciRep2018	1335	Siberia_Cis_Baikal_MA	Russia
VK542	Ukraine_Chernigov	51.5	31.3	M	H5a2a	I2a1a2b1a1a	I2-S20602(Y91535*)	MargaryanNature2020	1050	Viking	Ukraine
TU919(SX33)	TU919, Lingolsheim T	48.6	7.68		H1	I2a1b	I2-L161	FurtwaenglerNatCommun2020	-4675	France_MN	France
PRI001	Prissé 1	46.2	-0.48	M	X2b+226	I2a1a2a	I2-L161	RivollatSciAdv2020	-4268	France_MN	France
vbj018		57.6	18.7	M	U5a2	I2a1b1-L161	I2-L161	CoutinhoAmJPhysAnthropol2020	-2802	Pitted_Ware	Sweden
lai001	lai001, Lairo 1	59.1	-2.85	M	U5b2	I2a1b	I2-L161	SanchezQuintoPNAS2019	-3228	Megalithic	Scotland
I14167	I14167	50.1	14.2	M	U5b3	I2a1a2a	I2-L161	PapacSciAdv2021	-3650	CEU_N	Czech Republic
MX195	Individuum 9	47.3	8.22		H11a+152	I2a1b1	I2-pre-L161	FurtwaenglerNatCommun2020	-2367.5	Corded_Ware	Switzerland
MX188	Individuum 7/11	47.3	8.22		U2e2a1d	I2a1b1	I2-pre-L161	FurtwaenglerNatCommun2020	-2447	Corded_Ware	Switzerland
PN13	SE Quad, F15/F16, Ba	53	-9.14	M	V	I2a1a2a1	I2-S2639	CassidyNature2020	-3622	Ireland_EMN	Ireland
I0412	Troc5	42.5	0.5	M	N1a1a1	I2a1b1	I2-A812*	MathiesonNature2015 (1240k	-5227	Iberia_EN	Spain
CH448	Cohaw448	54.1	-7.03	M	H1	I2a1a2a1a	I2-L1498.1	CassidyNature2020 from Cassic	-3567	Ireland_MN	Ireland
I7644	LL4	38.7	-0.49	M	n/a (<2x)	I2a1a2a1a	I2-L1498	OlaldeScience2019	-3510	Iberia_MLN	Spain
I6608	Yese 5A, Area 36 E02	40.4	-3.5	M	J1c1	I2a1b	I2-Y31653(xY28990)	OlaldeScience2018	-1890	Iberia_CA	Spain
I3133	ORC_III_10.4	56.4	-5.48	M	K1a+195	I2a1b1	I2-BY60222*	OlaldeNature2018	-3496	Britain_N	Great Britain
I0172	ESP24	51.4	11.7	M	T2b	I2a1b1a1	I2-S2703*	MathiesonNature2015 (1240k	-3205	CEU_MN	Germany
ans002	Ansarve 8	57.5	18.1	M	J1c5	I2a1b	I2-BY33358	FraserJArchaeolSciRep2018	-3204	Megalithic	Sweden
ans014	Ansarve 14	57.5	18.1	M	J1c5	I2a1b	I2-FT383838*	FraserJArchaeolSciRep2018	-3161	Megalithic	Sweden
ans017	Ansarve 17	57.5	18.1	M	HV0a	I2a1b	I2-BY33358	FraserJArchaeolSciRep2018	-3103	Megalithic	Sweden
ros005	ros005,ros5	58.2	13.7	M	J1c5	IJ-M429	I2-pre-S2742	MalmströmProcRSocLondB201	-3005	Nordic_MN	Sweden
R63	RMPR-63	41.9	12.5	M	K1a2a	I-M423	I2-A2293*	AntonioScience2019	990	Italy_MA_M	Italy
I6759	Kelco_cave, Skull No.	54.1	-2.29	M	J1c1	Phy-Mer	I2-Y13518	BraceNatEcolEvol2019	-3577	Britain_EN	Great Britain
I2979	GENSCOT77	58.7	-2.92	M	K1a+195	I2a1b1	I2-Y13518	OlaldeNature2018	-3154	Britain_N	Great Britain
I2637	GENSCOT09	59.4	-2.87	M	K1b1a1	I2a1b	I2-A1150	OlaldeNature2018	-3425	Britain_N	Great Britain
I2630	GENSCOT02	58.7	-2.92	M	K1a4	I2a1b1	I2-A8742	OlaldeNature2018	-2521	Britain_N	Great Britain
I2635	GENSCOT07	58.5	-3.6	M	U5b1+16189+16192	I2a1b1	I2-A8742	OlaldeNature2018	-3573	Britain_N	Great Britain
I7554	NMS Unreg 1	59	-3.25	M	J1c9	I2a1b1	I2-BY37286*	OlaldeNature2018	-3232	Britain_N	Great Britain
I2978	GENSCOT76	58.7	-2.92	M	K1b1a1	I2a1b	I2-BY37286*	OlaldeNature2018	-3190	Britain_N	Great Britain
I2935	GENSCOT73	58.7	-2.92	M	U8b1b	I2a1b	I2-BY37270	OlaldeNature2018	-3165	Britain_N	Great Britain
I2932	GENSCOT70	58.7	-2.92	M	H5	I2a1b	I2-FT368016	OlaldeNature2018	-2483	Britain_N	Great Britain
ARD2	Ardcroney2, ARD2	52.9	-8.15	M	J2b1a	I2a1a2a1a2(-)	I2-FT354500	CassidyNature2020 from Cassic	-3451	Ireland_MN	Ireland
PB443	98E0230 Roughan Hill	53	-9.11	M	K1b1a1	I2a1a2a1a	I2-FT354500	CassidyNature2020 from Cassic	-3524	Ireland_LN	Ireland
Mok12	122E	45.9	20.4	M	U5a2b1a	I2a1b	I2-pre-Y13336	ŽegaracSciRep2021	-1936	Balkans_EBA	Serbia
Mok18a	211	45.9	20.4	M	U5a2b1a	I2a1b	I2-pre-Y13336	ŽegaracSciRep2021	-1936	Balkans_EBA	Serbia
Kretuonas2	Kretuonas5	55.3	26.1	U	U5b2b	I2a1b	I2-FT384996	MittnikNatCommun2018	-4395	Baltic_EMN	Lithuania
Motala12		58.5	15.1	M	U2e1	I2a1b*	I2-V4921	FuNature2016	-5675	Nordic_HG	Sweden
I0017	I0017, Motala12, S00	58.5	15	M	U5a2/U2e1	I2a1b2a1	I2-S2770(V4921)	MathiesonNature2015 (1240k	-5674	Nordic_HG	Sweden
I0013	Motala3	58.5	15	M	U5a1	I2a1b	I2-V4921	MathiesonNature2015 (1240k	-5772	Nordic_HG	Sweden
Steigen	STG001	67.8	14.7		U5a1d	I2a1b	I2-V4921	GuntherPLoSBiology2018	-3907	Nordic_HG_N	Norway
I0001	Loschbour, KC521455	49.8	6.4	M	U5b1a	I2a1b	I2-V4921	LazaridisNature2014	-6075	West_European_Hunter_	Luxembourg
KGH6	KGH 93E175 CAVE1 1	52.6	-8.33	M	U5b2a*	I2a1a2(-)	I2-V4921	CassidyNature2020	-4708	Ireland_HG	Ireland
PMI004	PMI004.merged	50.2	14.5	M	H2a2b	I2a2	I2-L596	PapacSciAdv2021	-2075	Unetice	Czech Republic
CHL002	CHL002.B0101.TF1.1	50.2	15.1	M	H11a7	I2a2	I2-L596	PapacSciAdv2021	-2050	Unetice	Czech Republic
I0724	T2 / UP	40.3	29.7	M	K1a4	I	I2-L596(xPF3892)	MathiesonNature2015	-6000	Anatolia_N	Turkey
BNL006	BNL006.A0101.TF1.1	50.2	14.6	M	K1c1	I2a2	I2-L596	PapacSciAdv2021	-2122	Unetice	Czech Republic
ROU007	ROU007.A0101.TF1.1	50.4	14.2	M	I4a	I2a2	I2-L596	PapacSciAdv2021	-2050	Unetice	Czech Republic
PDA005	PDA005.A0101.TF1.1	50.2	14.5	M	X2c1	I2a2	I2-L596	PapacSciAdv2021	-2215	Unetice	Czech Republic
ROU005	ROU005.A0101.TF1.1	50.4	14.2	M	HV6	I2a2	I2-L596	PapacSciAdv2021	-2050	Unetice	Czech Republic
I10271	P8L5-3	44.7	18.1	M	T2b23	I2a2	I2-L596	NovakPLoSONE2021	-4150	Croatia_C	Croatia
BNL007	BNL007.A0101.TF1.1	50.2	14.6	M	U3a1c	I2a2	I2-L596	PapacSciAdv2021	-2122	Unetice	Czech Republic
PDA002	PDA002.A0101.TF1.1	50.2	14.5	M	U5a1b1	I2a2	I2-L596	PapacSciAdv2021	-2117	Unetice	Czech Republic
BNL002	BNL002.C0101.TF1.1	50.2	14.6	M	U5a1c1	I2a2	I2-L596	PapacSciAdv2021	-2046	Unetice	Czech Republic
VLI042	VLI042.A0101.TF1.1	50.4	14.4	M	U5a1g2	I2a2	I2-L596	PapacSciAdv2021	-1817	Unetice	Czech Republic
BNL003	BNL003.A0101.TF1.1	50.2	14.6	M	U5b2a2a	I2a2	I2-L596	PapacSciAdv2021	-2044	Unetice	Czech Republic
I1096	BAR26 / M10-76	40.3	29.6	M	N1a1a1	I2c	I2-(pre-?)L596(xPF3892,xSK12	MathiesonNature2015	-6350	Anatolia_N	Turkey
I1905	CSAT25a	47.5	18.6	M	T2b	I2c	I2-L596(xBY421)	LipsonNature2017	-4714	Lengyel	Hungary
I0012	Motala2	58.5	15	M	U2e1	I2c	I2-L596*	MathiesonNature2015 (1240k	-5648	Nordic_HG	Sweden
MIS004	MIS004.A0101.TF1.1	50	15.8	M	H17	I2a2a	I2-S6635	PapacSciAdv2021	-1866	Unetice	Czech Republic
KH150191	NT3	50.3	7.9	M	n/a	I2a2a2a	I2-S6635(pre-S9234?)	ImmelCommunBiol2021	-3250	CEU_LN	Germany
I4884	feature 515	50.1	14.5	M	H4a1a1a	I2c1	I2-S6635(xBY435,xS11003)	OlaldeNature2018	-1808	Unetice	Czech Republic
I7199	Grave 84 (1)	50.1	14.4	M	J1c3a	I2c1	I2-S6635(xBY435,xS11003)	OlaldeNature2018	-2089	Unetice	Czech Republic
I2791	GEN_63	47.2	20	M	U5a1c1	I2c	I2-S6635(xBY435,xS11003)	LipsonNature2017	-3573	Balkans_LCA	Hungary
Hum2	H26	58.1	7.74		U5a1d	I2	I2-S6635*	GuntherPLoSBiology2018	-7414	Nordic_HG	Norway
KH150618	NT48	50.3	7.9	M	H7d	I2c1a1	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150641	KI15	50.3	7.9	M	J1c1	I2c1a1	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150633	KI13	50.3	7.9	M	K1a3	I2c1a1	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150621	NT50	50.3	7.9	M	H	I2c1a1	I2-BY435	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150198	NT186	50.3	7.9	M	U5b	NA	I2-BY435	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150639	NT49	50.3	7.9	M	U5b1h	I2c1a1	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150628	NT150.1	50.3	7.9	M	n/a	NA	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150418	NT41+45+43	50.3	7.9	M	n/a	NA	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150197	NT122.1	50.3	7.9	M	n/a	NA	I2-BY435	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150417	NT39	50.3	7.9	M	n/a	NA	I2-BY435	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150287	NT54	50.3	7.9	M	n/a	NA	I2-BY435*	ImmelCommunBiol2021	-3250	CEU_LN	Germany
Sorsum	Individual XLVII 11	52.3	9.61	M		I-BY435	I2-BY435*	KrauseKyoraElife2018	-3221	Megalithic	Germany
KH150629	NT30	50.3	7.9	M	H5u	I2c1a1	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150204_KH1506	no ID	50.3	7.9	M	J2b1a	NA	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150613_KH1800	NT107	50.3	7.9	M	J2b1a2	I2c1a1	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150637	NT110	50.3	7.9	M	K2b1a	I2c1a1	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150630	KI12	50.3	7.9	M	U2e1c1	I2c1a1	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
KH150189_KH1506	NT1	50.3	7.9	M	U5b2b2	I2c1a1	I2-FT405000	ImmelCommunBiol2021	-3250	CEU_LN	Germany
TGM009	Grave 21, HK51:121	52.5	12	M	JT	I2a2a1b	I2-S11003	RivollatSciAdv2020	-3258	CEU_LN	Germany
I0804	EUL57, EUL57B, EUL5	51.2	11.8	M	H3	CT	I2-BY431	MathiesonNature2015 (1240k	-2060	Unetice	Germany
I0116	ESP4	51.4	11.7	M	W3a1	I2c	I2-BY431	MathiesonNature2015 (1240k	-2028	Unetice	Germany

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-coverage	mtDNA-haplogroup	Y-DNA	Y-Simple	YTree	SNPs	Source	Date	Mean	CalBC_top	CalBC_bot	Simplified_Culture	Location	Country
WEZ58		53.8	13.3	M		T2b	I2	I2a2a2	I2-BY431		BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	-1350	-1150	CEU_MLBA	Weltzin	Germany
I3535	HAJE10a	47.9	21.4	M	60.4	J2b1	I	I2a2b	I2-SK1271	265599	LipsonNature2017	5217-4997 calBCE	-5118	-5217	-4997	Alfold_Linear_Pottery	Hajdúnánás-Eszlári út	Hungary
I2384	HAJE7a	47.9	21.4	M	..	K1a	I2c	I2a2b	I2-SK1271	683331	LipsonNature2017	5305-5046 calBCE	-5164	-5305	-5046	Alfold_Linear_Pottery	Hajdúnánás-Eszlári út	Hungary
I11933_I11934_I11	515, I11934,516, I119	47.9	21.1	M		K1a2	Not reported	I2a2b*	I2-pre-BY421	726484	HarneyCheronetbioRxiv2020	7,280-7,035 ybp	-5207.5	-5330	-5085	Balkans_N	Polgár-Ferenci-hát, Hungary	Hungary
I11902_I11903_I11	s11902,477, I11903,4	44.7	26.6	M		H	Not reported	I2a2b*	I2-pre-BY421	732856	HarneyCheronetbioRxiv2020	6,300-6,050 ybp	-4225	-4350	-4100	Balkans_CA	Urziceni, Romania, Grave 27	Romania
I2789	GEN_61	47.2	20	M	137	J1c3b	I2c	I2a2b	I2-BY421	564162	LipsonNature2017	3800-3600 BCE	-3700	-3800	-3600	Protoboleráz horizon	Abony, Turjányos-dűlő	Hungary
I3575	sepultura 44 individu	37.3	-4.01	M	53.8	U5b1+16189+@16192	I	I2a2b	I2-BY421	284048	OlaldeScience2019	400-600 CE	500	400	600	Iberia_EMA	El Castillón, Montefrío, Granada, Andalusia	Spain
BERG103-2		43.2	2.41			X2b-226	I2a2b1h~	I2a2b	I2-BY421		BrunelPNAS2020	3943-3710 calBC	-3826.5	-3943	-3710	France_MN2	Bergheim	France
DA31	Lchashen t 199_16	40.5	44.9	M	..	HV0a		I2a2b	I2-BY70891	244088	DamgaardNature2018	1400-1100 BCE	-1250	-1400	-1100	Armenia_MLBA	Lchashen t 199_	Armenia
ELW023		49	10.1	M		T2b23a		I1	I(xI2;xL596)	35582	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Ellwangen	Germany
BES1248	BES1248	43.4	3.43	M	82	J1c8a2	I1~	I1	I1-Z2699	140400	BrunelPNAS2020 and Fischer20	600-400 BCE	-500	-600	-400	France_LIA	Bessan	France
BAB 5	410.	46.8	17.8	M		H	I1	I1*	I1-Z2699		SzécsényiNagyProcRSocLondB2015		-5050	-5100	-5000	LBK	Balatonszemes-Bagódomb	Hungary
SF11	StoraForvar11.SG	57.3	18	M	..	U5a1	I1	I1*	I1-Z2699(*?)	131231	GuntherPLoSBiology2018	7073-6810 calBCE	-6942	-7073	-6810	Nordic_HG	Stora Förvar, Stora Karlsö	Sweden
I10899	Car1	37.4	-3.44	M	112.7	U5b1	I (xI2a1,xI2a2,xI2c)	I1*	I1-Z2699*	468694	OlaldeScience2019	40000-5000 BCE	-22500	-40000	-5000	Iberia_HG	Cueva de la Carigüela, Piñar, Granada, Andalusia	Spain
BAL051	BG-E-3214	42.1	1.6	M	..	U5b2a	I1	I1*	I1-Z2699*	335886	VillalbaMoucoCurrBiol2019	11446-10772 calBCE	-11065	-11446	-10772	Iberia_HG	Navés, Lleida	Spain
VK149	UK_Oxford_#13; UK_(	51.8	-1.26	M	33	H1a1	I1	I1	I1	7812	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
AE 1154		48.3	11.9	M		H2a2	I1	I1	I1		RottAmJPhysAnthropol2017	Mid-6th c.	550	500	600	Germanic	Altenerding-Klettham, Bavaria, collective grave	Germany
VK248	Faroe_22	61.9	-6.8	M	46.4	H49a	I1	I1	I1	85230	MargaryanNature2020	1500-1700 CE	1600	1500	1700	Nordic_MA	Faroes, Church2	Faroes
VK148	UK_Oxford_#12; UK_(	51.8	-1.26	M	9.1	H6a1a	I1	I1	I1	39713	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
RISE207	Cranium XII	56	14.1	M		J1c8a1	I1	I1	I1?	19669	AllentoftNature2015	1495-1301 calBCE	-1394	-1495	-1301	Nordic_BA	Ängamöllan	Sweden
RISE179	barrow I grave 5:1, ga	55.4	13.6	M		K1a3	I1	I1	I1	50109	AllentoftNature2015	2015-1774 calBCE	-1893	-2015	-1774	Nordic_LN	Abekås	Sweden
ErikBirgerson	Erik nobody	58.4	15	M		Z1a	I1	I1	I1		MalmströmAnnAnat2012	c. 1250-1275	1263	1250	1275	Nordic_MA	Varnhem Abbey	Sweden
VK554	Estonia_Salme_II-L	58.2	22.3	M	71.5	W6a	I1	I1	I1	704728	MargaryanNature2020	705-949 calCE	830	705	949	Viking	Saaremaa, Salme	Estonia
VK410	Russia_Ladoga_5680-	60	32.3	M	26.7	X2b+226	I1	I1	I1	137590	MargaryanNature2020	1000-1200 CE	1100	1000	1200	Viking	Ladoga	Russia
VK16	Russia_Ladoga_5680-	60	32.3	M	62.4	X2b4	I1	I1	I1	234289	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Ladoga	Russia
BirgerMagnusson	Birger Jarl	58.4	15	M		H	I1	I1	I1		MalmströmAnnAnat2012	c. 1210-1266	1233	1210	1266	Nordic_MA	Varnhem Abbey	Sweden
VK519	Norway_Nordland 46	67.9	15	M	46.9	HV0a1	I1	I1	I1	223991	MargaryanNature2020	500-1000 CE	750	500	1000	Viking	Nordland	Norway
I12033	PH'06-1192	42	2.81	M	174.7	V	I	I1	I1	38668	OlaldeScience2019	500-700 CE	600	500	700	Iberia_Roman	Pla de l'Horta, Sarrià de Ter, Girona, Catalonia	Spain
vik_urm161	vik_urm161	59.6	17.7	M	..	T1	A2'3'4	I1	I1	95077	KrzewińskaCurrBiol2018	998-1164 calCE	1093	998	1164	Viking	Sigtuna, church 1 (Urmak	Sweden
RISE210	Cranium VI	56	14.1	M	..	T2a1a	I	I1	I1	50468	AllentoftNature2015	1436-1286 calBCE	-1362	-1436	-1286	Nordic_BA	Ängamöllan	Sweden
VK163	UK_Oxford_#1; UK_O	51.8	-1.26	M	76.8	U2e2a1a1	I1	I1	I1	17321	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
SGR001	San Giovanni Rotondo	41.7	15.7	M		U3a	I1-M253	I1	I1	59213	AnelibioRxiv2021	1285 ± 23 BP; 670 -	722	670	774	Apulia_MA	San Giovanni Rotondo	Italy
VK23	Russia_Ladoga_5680-	60	32.3	M	126.4	U4a1a	I1	I1	I1	303836	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Ladoga	Russia
SZ20	SZO018.A0101	46.3	17.9	M	0.03	n/a (<2x)	F or I1 low coverage	I1	I1?	9869	AmorimNatCommun2018	412-604 CE	508	412	604	Germanic	Szólád, Hungary	Hungary
Gorzig12		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig8		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig4		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig11		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig3		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig9		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig6		51.7	12				I(1)	I1	I1		HarthunRechtsmedizin2015	Late Roman/Migrati	550	500	600	Germanic	Görzig, Saxony-Anhalt	Germany
YaroslavlYDNA27		57.6	39.9				I1-M253	I1	I1		AlborovaMustafinMFTI2020	13th c.	1250	1200	1300	Slav_East	Medieval Kremlin of Yaroslavl	Russia
YaroslavlYDNA28		57.6	39.9				I1-M253	I1	I1		AlborovaMustafinMFTI2020	13th c.	1250	1200	1300	Slav_East	Medieval Kremlin of Yaroslavl	Russia
STR241	STR_241	48.9	12.6	M	..	K1a	I1	I1	I1	80440	VeeramahPNAS2018	480-510 CE	495	480	510	Germanic	Straubing- Bajuwarenstraße	Germany
K2/26	K2per26	48.3	21.7	M		T1a1	I1-M253 (xL22)	I1	I1(xL22, etc.)		NeparáczkiSciRep2019	895- mid Xth c.	925	895	950	Magyar	Karosc II/26	Hungary
PCA0029	Kow_24, ob. 319	52.6	16.8	U		X2c1	I1 low coverage	I1	I1	410	StolarekSciRep2018	~ 10-375 AD	192.5	10	375	Germanic	Kowalewko, Wielkopolskie	Poland
PCA0046	Kow_41, 046a/ob. 45	52.6	16.8	M		U8a1a1b		I1	I1	14149	StolarekSciRep2018	~ 110/120-160 AD	137.5	110	160	Germanic	Kowalewko, Wielkopolskie	Poland
SzO/540	SzOper540	46.6	20.2				I1-M253 (xL22)	I1	I1(xL22,xL1237)		NeparáczkiSciRep2019	600–650/660	645	630	660	Avar	Szegvár-Oromdűlő/540	Hungary
I20745_I20767	HUNG153, I20767	47.5	19.1	M		U5a1j	Not reported	I1**	pre-I1	478265	HarneyCheronetbioRxiv2020	2,600-2,400 ybp	-550	-650	-450	Balkans_IA	Kesznyéten-Szérűskert, Hungary	Hungary
I17268	NO3423	53.6	-1.18	M		H1a	I1-S107	I1a	I1a	768658	MartinianoNatCommun2016	600-900 CE	750	600	900	Anglo-Saxon	Driffield Terrace	Great Britain
vik_urm035	vik_urm035	59.6	17.7	M		H2a1c	BCDEF	I1a	I1a	264857	KrzewińskaCurrBiol2018	995-1160 calCE	1087	995	1160	Viking	Sigtuna	Sweden
VK409	Russia_Ladoga_5680-	60	32.3	M	65.3	H3h	I1a	I1a	I1a	174131	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Ladoga	Russia
oll009	oll009	56	14.1	M	325	H6a1b3		I1a	I1a	390640	MalmströmProcRSocLondB201	1931-1749 calBCE	-1837	-1931	-1749	Megalithic	Öllsjö	Sweden
vik_97029	vik_97029	59.6	17.7	M		J1c2	I1a low coverage	I1a	I1a	90177	KrzewińskaCurrBiol2018	900-1200 CE	1050	900	1200	Viking	Sigtuna, mass grave	Sweden
AED249	AED_249	48.3	11.9	M	..	U5b2b	I-DF29	I1a	I1a	146169	VeeramahPNAS2018	480-510 CE	485	460	510	Germanic	Altenerding- Klettham	Germany
VK420	Norway_Hedmark 28	60.8	11.1	M	90.8	I4a	I1	I1a5	I1-FT118954	911597	MargaryanNature2020	700-1100 CE	900	700	1100	Viking	Hedmark	Norway
VK190	Greenland late-0996	61	-45.4	M	538	K1a+195	I1a	I1a	I1a-FGC15561	1175563	MargaryanNature2020	1035-1211 calCE	1116	1035	1211	Viking	Eastern Settlement, Ø149	Greenland
VK367	Denmark_Bogovej D	54.9	10.7	M	96.9	J1b1a1	I1	I1a7	I1-FT382000	751999	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Langeland, Bogøvej	Denmark
VK506	Estonia_Salme_I-3	58.2	22.3	M	71.1	J1c2	I1a	I1a7	I1a-FT382000	816123	MargaryanNature2020	652-775 calCE	713	652	775	Viking	Saaremaa, Salme	Estonia
RISE175	barrow I grave 14:1	55.4	13.6	M	..	T1a1	I	I1	I-Y18697	111000	AllentoftNature2015	1396-1131 calBCE	-1283	-1396	-1131	Nordic_BA	Abekås	Sweden
VK482	Estonia_Salme_II-P	58.2	22.3	M	81.5	H1a	I1	I1a10	I1-SK1234*	768064	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK144	UK_Oxford_#8; UK_O	51.8	-1.26	M	67.1	V1a1	I1	I1a	I1-Y2592	101017	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK221	Russia_Ladoga_5757-	60	32.3	M	106.4	K1d	I1a1b1	I1a1b	I1-Y5473*	1003153	MargaryanNature2020	800-1000 CE	900	800	1000	Viking	Ladoga	Russia
VK219	Russia_Ladoga_5680-	60	32.3	M	112.8	T2b6a	I1a1b1	I1a1b	I1-Y22024	920547	MargaryanNature2020	900-1100 CE	1000	900	1100	Viking	Ladoga	Russia
VK257	UK_Dorset-3723	50.7	-2.47	M	116.3	H5a1c1a	I1a1	I1a1b	I1-Y19934*	726650	MargaryanNature2020	970-1025 CE	997	970	1025	Viking	Dorset, Ridgeway_Hill_M	UK
VK510	Estonia_Salme_I-7	58.2	22.3	M	83.6	H10e	I1a1b1	I1a1b	I1-BY60851	906234	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK352	Oland_1012	57.4	17	M	82.3	H64	I1a1	I1a1b	I1-FGC35755(Y15295*?)	780840	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Oland	Sweden
VK279	Denmark_Galgedil AX	55.5	10.3	M	181.6	I4a	I1a1b	I1a1b	I1-Y10639	1054862	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Funen, Galgedil	Denmark
VK404	Sweden_Skara 277	58.4	13.7	M	104.8	U4a2	I1a1b	I1a1b	I1-BY108664	875002	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Skara, Varnhem	Sweden
VK20	Russia_Ladoga_5680-	60	32.3	M	158.2	H6c	I1	I1a1b	I1-Y22478*	416692	MargaryanNature2020	1000-1100 CE	1050	1000	1100	Viking	Ladoga	Russia
VK495	Estonia_Salme_II-C	58.2	22.3	M	68.6	H1b	I1a	I1a1b	I1a-FT373923	787543	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK407	Sweden_Skara 274	58.4	13.7	M	22.8	H1c21	I1	I1a1b	I1-Y18232	234014	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Skara, Varnhem	Sweden
vik_84005	vik_84005	59.6	17.7	M	..	H1ap1	I1a1b3 (I-Z74*)	I1a1b	I1-CTS2208	753180	KrzewińskaCurrBiol2018	900-1200 CE	1050	900	1200	Viking	Sigtuna, cemetery 1	Sweden
VK220	Russia_Ladoga_5680-	60.6	32.3	M	102.2	J2b1a	I1a1	I1a1b	I1-FT253975	978182	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Ladoga	Russia
VK382	Oland_1132	57.4	17.1	M	12.1	H3g1	I1a1b1a4a2	I1a1b	I1-L813	67898	MargaryanNature2020	700-800 CE	750	700	800	Viking	Oland	Sweden
VK488	Estonia_Salme_II-H	58.2	22.3	M	67.5	H5c	I1a1b1	I1a1b	I1-L813	687167	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
SSG-A3	SSG-A3	65.7	-18.2	M	..	T2b2b	I1 (107)	I1a1b	I1-FGC9493	52960	EbenesersdottirScience2018	850-1000 CE	925	850	1000	Nordic_MA	Silastaðir	Iceland
VK14	Russia_Ladoga_5680-	60	32.3	M	95	J1c1a	I1	I1a1b	I1-BY3428	162542	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Ladoga	Russia
VK98	Iceland_083	65.6	-17.2	M	83.9	T2b3b	I1a1b1a4a2	I1a1b	I1-BY3430	974218	MargaryanNature2020	900-1300 CE	1100	900	1300	Viking	Hofstadir	Iceland
HSJ-A1	HSJ-A1	65.4	-14.7	M	..	H3g1	I1a1b3b (901)	I1a1b	I1-BY202281*	1164678	EbenesersdottirScience2018	870-1000 CE	935	870	1000	Nordic_MA	Hrólfsstaðir	Iceland
VK529	Norway_Nordland 64	67.6	14.8	M	111.8	H7	I1a1b1a4a2	I1a1b	I1-BY106963	962592	MargaryanNature2020	700-900 CE	800	700	900	Viking	Nordland	Norway
SSJ-A2	SSJ-A2	65.5	-14.5	M	..	U5a1a1	I1a1b3 (148)	I1a1b	I1-Y129187	28390	EbenesersdottirScience2018	850-1000 CE	925	850	1000	Nordic_MA	Smyrlaberg	Iceland
VK547	Norway_Nordland 47	68.6	16.4	M	147.5	V	I1a1b1a4a2	I1a1b	I1-FT8457	1163257	MargaryanNature2020	700-1100 CE	900	700	1100	Viking	Nordland	Norway
VK291	Denmark_Bodkergard	54.8	10.7	M	130	U5a1a2b	I1a1b1a4a	I1a1b	I1-Y20861	772561	MargaryanNature2020	800-900 CE	850	800	900	Viking	Langeland, Bødkergarden	Denmark
VK223	Russia_Gnezdovo 75-	54.8	31.9	M	88.3	H13a1a1c	I1a	I1a1b	I1a-BY67763	335747	MargaryanNature2020	900-1100 CE	1000	900	1100	Viking	Gnezdovo	Russia
VK549	Estonia_Salme_II-J	58.2	22.3	M	100.6	T2b5a	I1a1b1	I1a1b	I1-P109	944723	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK296	Denmark_Hundstrup	55.2	11.9	M	74.6	HV6	I1a1b1a1	I1a1b	I1-S7660	429918	MargaryanNature2020	660-780 calCE	720	660	780	Viking	Sealand, Hundstrup_Mose	Denmark
VK473	Gotland_Kopparsvik-7	57.6	18.3	M	94	N1a1a1a1	I1a1b	I1a1b	I1-Y6207*	874547	MargaryanNature2020	900-1050 CE	975	900	1050	Viking	Gotland, Kopparsvik	Sweden
VK509	Estonia_Salme_I-6	58.2	22.3	M	90.8	H1n+146	I1a1b1	I1a1b	I1-Y36105	848774	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK553	Estonia_Salme_II-M	58.2	22.3	M	86.7	K1c1h	I1a1b1	I1a1b	I1-FGC22026	835371	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK165	UK_Oxford_#3; UK_O	51.8	-1.26	M	176.8	U4b1b1	I1a1b1	I1a1b	I1-S18218	761860	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK176	UK_Oxford_#20; UK_(	51.8	-1.26	M	167.4	H10	I1a1b1a1	I1a1b	I1-FT3562*	1046521	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK320	Denmark_Bogovej Gr	54.9	10.7	M	116.8	U5a1a1	I1a1b	I1a1b	I1-Y103013	854556	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Langeland, Bogøvej	Denmark
VK295	Denmark_Hessum sk	55.5	10.5	M	104.1	T1a1	I1a1b1	I1a1b	I1a-Y4738	499918	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Funen, Hessum	Denmark
VK379	Oland_1077	57.4	17.1	M	18.6	U3b1b	I1a	I1a1b	I1-FGC22048	78511	MargaryanNature2020	700-800 CE	750	700	800	Viking	Oland	Sweden
VK511	Estonia_Salme_II-X	58.2	22.3	M	92.1	T2a1a	I1a1b1a1	I1a1b	I1-Y132154	949348	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
R1286	RMPR-1286	41.9	12.5	M	..	H1g1	I-M253	I1a1b	I1-FT151924	808322	AntonioScience2019	1409-1450 calCE	1430	1409	1450	Italy_MA	Cancelleria, Palazzo della Can	Italy
VK297	Denmark_Hundstrup	55.2	11.9	M	70.8	J1c2h	I1a1b1	I1a1b	I1-Y4051	564824	MargaryanNature2020	670-830 calCE	750	670	830	Viking	Sealand, Hundstrup_Mose	Denmark
VDP-A5	VDP-A5	65.6	-24.1	F	..	H3		I1a1b	I1-FGC21810	790190	EbenesersdottirScience2018	850-1050 CE	950	850	1050	Nordic_MA	Vatnsdalur	Iceland
SZ45	SZO038.A0101	46.3	17.9	M	144.5	J1c	I1a1b1	I1a1b	I1-FGC21810	1181237	AmorimNatCommun2018	412-604 CE	508	412	604	Germanic	Szólád, Hungary	Hungary
VK315	Denmark_Bakkendrup	55.6	11.3	M	62	T1a1b	I1a1b1	I1a1b	I1-Y98280	504228	MargaryanNature2020	850-900 CE	875	850	900	Viking	Sealand, Bakkendrup	Denmark
VK281	Denmark_Barse Grav	55.1	12	M	95.2	T2	I1b1a1	I1a1b	I1-FGC22153	1007207	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Sealand, Bårse	Denmark
VK70	Denmark_Tollemoseg	55.9	12.1	M	266.2	H7d4	I1a1b1a1	I1a1b	I1-BY73576	1147783	MargaryanNature2020	700-1000 CE	850	700	1000	Viking	Sealand, Tollemosegård	Denmark
DAV-A9	DAV-A9	66	-18.5	M	..	H1	I1 (124)	I1a1b	I1-FGC21765*	131093	EbenesersdottirScience2018	980-1020 CE	1000	980	1020	Nordic_MA	Dalvík (Brimnes)	Iceland
VK507	Estonia_Salme_I-4	58.2	22.3	M	70.6	HV6	I1a1b1	I1a1b	I1-BY56459	651469	MargaryanNature2020	706-945 calCE	829	706	945	Viking	Saaremaa, Salme	Estonia
VK400	Sweden_Skara 236	58.4	13.7	M	90.3	H1+16239	I1a1b	I1a1b	I1-FGC21682	752788	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Skara, Varnhem	Sweden
VK110	Iceland_115S; Iceland	65.6	-17.2	M	196.9	H10+(16093)	I1a1b1a1	I1a1b	I1-FGC21689*	841198	MargaryanNature2020	900-1300 CE	1100	900	1300	Viking	Hofstadir	Iceland
SVK-A1	SVK-A1	65.9	-16.5	M	..	I2	I1b (484)	I1a1b	I1-FGC21682	188605	EbenesersdottirScience2018	870-1000 CE	935	870	1000	Nordic_MA	Straumur	Iceland
VK186	Greenland KNK-[6]; G	61	-45.4	M	154.4	H1ao	I1	I1a1a	I1-Y24625	479415	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Eastern Settlement, Ø64	Greenland
VK167	UK_Oxford_#5; UK_O	51.8	-1.26	M	87.2	H4a1a4b	I1	I1a1a	I1-BY34674	675101	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK380	Oland_1078	57.3	17	M	12.3	H27	I1	I1a1a	I1	121897	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Oland	Sweden
VK50	Gotland_Kopparsvik-5	57.6	18.3	M	227.1	H1+16189	I1a1a1a1a	I1a1a	I1-Y22923*	1093531	MargaryanNature2020	900-1050 CE	975	900	1050	Viking	Gotland, Kopparsvik	Sweden
VK29	Sweden_Skara 17	58.4	13.7	M	128.3	T2b3b	I1	I1a1a	I1-S7642	1010529	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Skara, Varnhem	Sweden
VK151	UK_Oxford_#15; UK_(	51.8	-1.26	M	129.6	T2b4+152	I1a1	I1a1a	I1-S19291*(FT115400?)	775739	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK306	Sweden_Skara 33	58.4	13.7	M	84.3	H15a1	I1a	I1a1a	I1-FT115400	756012	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Skara, Varnhem	Sweden
VK388	Norway_Nordland 25	68.3	15.7	M	105.8	J1c5	I1	I1a1a	I1-Y22507	728242	MargaryanNature2020	700-1600 CE	1150	700	1600	Viking	Nordland	Norway
VK179	Greenland F2; Greenl	61.2	-45.7	M	103.8	K1a3	I1	I1a1a	I1-F3312	981298	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Eastern Settlement, Ø029a	Greenland
VK183	Greenland F6; Greenl	61.2	-45.7	M	56.6	T2b21	I1	I1a1a	I1-F3312	414377	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Eastern Settlement, Ø029a	Greenland
Gox 287		48.4	7.49	M		T1a	I1a2b3~	I1a2b	I1-S2293		FischerJArchaeolSciRep2019	First Iron Age??	-400	-600	-250	France_IA	Goxwiller, Alsace	France
Cx161		43.3	1.2			H1	I1a2b4~	I1a2b	I1-S5619		BrunelPNAS2020	4314-4052 calBC	-4183	-4314	-4052	France_MN2	Cugnaux	France
STR486	STR_486	48.9	12.6	M	..	H2a2b		I1a2a	I1-Y130747	289903	VeeramahPNAS2018	460-530 CE	495	460	530	Germanic	Straubing- Bajuwarenstraße	Germany
VK316	Denmark_Hessum sk	55.5	10.5	M	108	K1a4	I1	I1a2a	I1-Y130747	882158	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Funen, Hessum	Denmark
vik_urm045	vik_urm045	59.6	17.7	M	..	H1a8	I1a2a1a1	I1a2a1	I1-Z60	104213	KrzewińskaCurrBiol2018	900-1200 CE	1050	900	1200	Viking	Sigtuna, church 1 (Urmak	Sweden
VK492	Estonia_Salme_II-B	58.2	22.3	M	77.5	H1b5	I1a2a1a1d1a	I1a2a1	I1-Z73	741565	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
US-14	AMNH, 99.1/2270	41.4	-75	M	48.16	U4c1a	I1a-Z73	I1a2a1	I1-Z73	190531	ScheibScience2018	1521-1797 calCE	1616	1521	1797	America_North_Modern	Shohola Creek, Indian Cabin Ridge, PA	USA
VK555	Estonia_Salme_II-I	58.2	22.3	M	91.5	U3b1b	I1a2a1a1d1a	I1a2a1	I1-Z73(Y3657*?)	768610	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK485	Estonia_Salme_II-O	58.2	22.3	M	119.6	H16	I1a2a1a1d1a	I1a2a1	I1-BY86407	596912	MargaryanNature2020	649-775 calCE	706	649	775	Viking	Saaremaa, Salme	Estonia
VK515	Norway_Nordland 45	67.3	14.4	M	79.5	H52	I1a2a1a1d1a	I1a2a1	I1-FGC8677	539746	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Nordland	Norway
VK490	Estonia_Salme_II-N	58.2	22.3	M	123.8	H16	I1a2a1a1d1a1a	I1a2a1	I1-BY86407	717250	MargaryanNature2020	657-777 calCE	723	657	777	Viking	Saaremaa, Salme	Estonia
VK146	UK_Oxford_#10; UK_(	51.8	-1.26	M	177.7	J1c3e1	I1a2a1a1d1a	I1a2a1	I1-M6155	789491	MargaryanNature2020	880-1000 CE	940	880	1000	Viking	Oxford, St_John's_College	UK
VK524	Norway_Nordland 37	66.3	12.7	M	109.3	HV0a1c	I1a2a1a1d1a	I1a2a1	I1-M6155	911660	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Nordland	Norway
VK483	Estonia_Salme_II-V	58.2	22.3	M	105.6	H16	I1a2a1a1d1a	I1a2a1	I1-BY86407	963487	MargaryanNature2020	674-877 calCE	759	674	877	Viking	Saaremaa, Salme	Estonia
VK491	Estonia_Salme_II-Ö	58.2	22.3	M	96.4	H6a1a	I1a2a1a1d1a1a	I1a2a1	I1-Y141089	884195	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK497	Estonia_Salme_II-Ö	58.2	22.3	M	98.9	H16	I1a2a1a1d1a1a	I1a2a1	I1-BY86407	884198	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK552	Estonia_Salme_II-K	58.2	22.3	M	104.7	H10e	I1a2a1a1d	I1a2a1	I1-Z2900(S2122*?)	869165	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
KRA004	246-1a	51.7	11.8	M	0.03	U3a*	I1a2a1a1d	I1a2a1	I1-FGC36089*		ParkerSciRep2020	1284-1392 calAD	1338	1284	1392	CEU_Medieval	Wüstung Krakau bei Peißen, Saxony-Anhalt	Germany
VK443	Oland_1101	57.3	17	M	113.2	U5b2b5	I1a2a1a1d2	I1a2a1	I1-A20404	1022341	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Oland	Sweden
VK357	Oland_1097	56.4	16.4	M	91.8	J2b1a	I1a2a1a1a	I1a2a1	I1-FT49567	858572	MargaryanNature2020	899-1168 calCE	1063	899	1168	Viking	Oland	Sweden
SBT-A1	SBT-A1	65.6	-20.2	M	..	H3g1a	I1a2a1a2 (774)	I1a2a1	I1-FGC74518*	1043109	EbenesersdottirScience2018	870-1000 CE	935	870	1000	Nordic_MA	Smyrlaberg	Iceland
VK301	Denmark_Ladby Grav	55.4	10.6	M	98.6	R0a2b	I1a2a	I1a2a1	I1-FT105192	599018	MargaryanNature2020	515-1015 calCE	765	515	1015	Viking	Funen, Ladby	Denmark
VK363	Denmark_Bogovej BT	54.9	10.7	M	93.8	U4b1a1a1	I1a2a1a1a	I1a2a1	I2-BY198083	847497	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Langeland, Bogøvej	Denmark
FAD9		43.2	2.4			K1b1a1	I1a2a1a1a3a2b~	I1a2a1	I1-BY11102		BrunelPNAS2020	1893-1700 calBC	-1796.5	-1893	-1700	France_EBA	Pépieux, Dolmen des Fades	France
VK262	UK_Dorset-3739	50.7	-2.47	M	133.6	J1c4	I1a2a	I1a2a1	I1-FT347811	808146	MargaryanNature2020	970-1025 CE	997	970	1025	Viking	Dorset, Ridgeway_Hill_M	UK
VK327	Denmark_Ribe 6	55.3	8.76	M	65	H6a1a5	I1a2a1a1a1a	I1a2a1	I1-BY463*	790502	MargaryanNature2020	894-1025 calCE	971	894	1025	Viking	Jutland, Ribe	Denmark
VK337	Oland_1064	56.5	16.6	M	117.7	U5a1b3a	I1a2a1a1a	I1a2a1	I1-Z61(BY31739)	1011255	MargaryanNature2020	709-995 calCE	881	709	995	Viking	Oland	Sweden
VK445	Denmark_Gl Lejre-A1	55.6	12	M	80.2	U3b2	I1a2a2	I1a2a2	I1-Z2040	862356	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Gl._Lejre	Denmark
VK532	Kragehave Odetofter	55.7	12.2	M	122.7	U2e2a1a	I1a2a	I1a2a2	I1-FT273387	1146003	MargaryanNature2020	1-200 CE	100	1	200	Nordic_IA	Sealand, Kragehave Odetofter	Denmark
VK71	Denmark_Tollemoseg	55.9	12.1	M	10.2	U5a1a	I1	I1a2a2	I1-S22349	190383	MargaryanNature2020	700-1000 CE	850	700	1000	Viking	Sealand, Tollemosegård	Denmark
VK446	Denmark_Galgedil LS	55.5	10.3	M	46	U5a1a1+16362	I1a2a2	I1a2a2	I1-BY98403	916435	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Funen, Galgedil	Denmark
ME_7		52.7	18.2				I1a2a2a5-Y5384	I1a2a2	I1-Y5384		StolarekSciRep2019	1000-1200 AD	1100	1000	1200	Slav_Early	Markowice	Poland
VK539	Ukraine_Shestovitsa	51.4	31.2	M	92.5	V	I1	I1a2a2	I1-BY61100	918278	MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Shestovitsa	Ukraine
VK343	Oland_1021	56.6	16.6	M	117.4	H3h	I1	I1a2a2	I1-Y7232	824422	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Oland	Sweden
VK496	Estonia_Salme_II-W	58.2	22.3	M	99.8	H1a	I1a2a2a	I1a2a2	I1-BY198216	1000843	MargaryanNature2020	700-800 CE	750	700	800	Viking	Saaremaa, Salme	Estonia
VK521	Sol941 Grav900 Bron	55.6	12	M	139.3	H16b	I1a2a2a	I1a2a2	I1-FGC43065*	1157864	MargaryanNature2020	200-400 CE	300	275	325	Nordic_IA	Sealand, Brondsager_Tors	Denmark
VK157	Poland_Bodzia B5; Po	52.7	18.9	M	114.9	H1c	I1	I1a3	I1-S2077	623320	MargaryanNature2020	900-1100 CE	1000	900	1100	Viking	Bodzia	Poland
R110	RMPR-110	41.9	12.5	M	..	H1e	I-M253	I1a3	I1-Y7234(xY7663)	633068	AntonioScience2019	400-600 CE	500	400	600	Italy_LA	Crypta Balbi	Italy
KO_55		52.6	16.8				I1a3a1a1-Y6626	I1a3	I1-L1237		StolarekSciRep2019	100-300 AD	200	100	300	Germanic	Kowalewko (Greater Poland Province)	Poland
CL63	COL010.A0101	45.1	7.58	M	10.53	H	I1a3	I1a3	I1-FT104588	847975	AmorimNatCommun2018	580-630 CE	605	580	630	Germanic	Collegno, Italy	Italy
VK275	Denmark_Kaargarden	54.9	10.8	M	104.7	H	I1c	I1c	I1c-BY74743	414776	MargaryanNature2020	900-1000 CE	950	900	1000	Viking	Langeland, Kaagården	Denmark
I6928	YEHUD267	32	34.9	M	6.54	H40a	n/a (<50000 autosomal)	J	J	24016	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
Alh10		48.1	9.45	M	..	H7	R1 but reported feminine (low coverage)	J	J	1100414	VeeramahPNAS2018	412-538 calCE	473	412	538	Germanic	Altheim	Germany
syr005		32.7	36.6	M	0.67	J2a2a1a1	J	J	J		SrigyanbioRxiv2020	666-768 cal AD	717	666	768	Arab_Early	Tell Qarassa North	Syria
Tep001	TP'10 BB 4-23	38.2	34.5	M	..	K1a	J	J	J	16529	KılınçCurrBiol2016	6568-6481 calBCE	-6568	-6645	-6481	Anatolia_N	Tepecik-Çiftlik Höyük	Turkey
I2328	FH9, F10 B1 skull 7	37	45.5	M	..	K1b1a	CT	J	J	16500	NarasimhanPattersonScience2019	6020-5889 calBCE	-5950	-6020	-5889	Iran_CA	Hajji Firuz	Iran
OSS002.B0101	BZNK-313/4	43.1	44.6	M		I5	Unspecified	J	J		WangNatCommun2019	3907-3704 calBC	-3805.5	-3907	-3704	Maykop	Nogir 3	Russia
I8145	Cobertizo Viejo-CV2 L	37.1	-3.59	M	29.8	H	J	J	J	46636	OlaldeScience2019	1300-1500 CE	1400	1300	1500	Iberia_Muslim	Necrópolis de Cobertizo Viejo, La Zubia, Granada	Spain
I11042	Gonur tomb 3220, ske	38.2	62	M	30.05	HV18	CT	J	J	19125	NarasimhanPattersonScience2019	2300-2250 BCE	-2275	-2300	-2250	BMAC	Gonur	Turkmenistan
I7772	PP E	36.9	14.6	M	0.17	T2	J	J	J		FernandesbioRxiv2019	3000-1600 BCE	-2300	-3000	-1600	Sicily_EBA	Sicily, Contrada Paolina, Castelluccia	Italy
I7735	PP IX	36.9	14.6	M	0.24	T2c1+146	J	J	J		FernandesbioRxiv2019	3000-1600 BCE	-2300	-3000	-1600	Sicily_EBA	Sicily, Contrada Paolina, Castelluccia	Italy
I6924	YEHUD171	32	34.9	M	2.49	..	n/a (<50000 autosomal)	J	J(xM267;xM205,xL26,xPF5050)	21583	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
Bakhchisaray5		44.8	33.9				J	J	J		SirotinIARAN2020	14th-15th c.	1400	1300	1500	Crimea_Khanate	Bakhchisaray	Ukraine
I7179	S7179.E1.L1	32	34.9	M	1.25	n/a (<2x)	n/a (<50000 autosomal)	J	J(xJ1)	5168	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
I6127	Gonur tomb 1128 san	38.2	62	M	5.64		J low coverage	J	J(xJ2a)	3500	NarasimhanPattersonScience2019	2500-1600 BCE	-2050	-2500	-1600	BMAC	Gonur	Turkmenistan
Uyelgi11	UELGI No.1.	55.8	61.6	M	0.28	C4a1a6	J*	J2	J2		CsákySciRep2020	X-XI centuries	1000	900	1100	Urals_Trans_EMA	Uyelgi, Chelyabinsk region	Russia
I11460	404, IRQ Grave 31	30.6	61.4	M	..	H2a	BT	J2	J2	5481	NarasimhanPattersonScience2019	3200-2100 BCE	-2650	-3200	-2100	Indus_Periphery	Seistan, Shahr-i Sokhta	Iran
I1808	Grave 52, single buria	36.3	72.4	M	..	J1b1	J	J2	J2b(xM205;xPH1648;xL283)	87450	NarasimhanPattersonScience2019	706-945 calCE	829	706	945	Swat_Med	Swat Valley, Parwak	Pakistan
AH2	19001-SK#1, KX35375	34.1	48	M	..	R2	J2b	J2b	J2b	593295	BroushakiScience2016	8202-7752 calBCE	-7971	-8202	-7752	Iran_N	Tepe Abdul Hosein, Central Zagros	Iran
TIT021	'98 TH 80084	37.5	38.7	M	2.41		J2b	J2b	J2b(xM205;xL283)	87726	SkourtaniotiCell2020	2338-2141 calBCE	-2232	-2338	-2141	Anatolia_East_EBA	Şanlıurfa Province, Titriş Höyük	Turkey
YaroslavlYDNA24		57.6	39.9				J2b-M12	J2b	J2b		AlborovaMustafinMFTI2020	13th c.	1250	1200	1300	Slav_East	Medieval Kremlin of Yaroslavl	Russia
I7182	S7182.E1.L1	32	34.9	M	16.1	T1a2	J	J2b2	J2b(xM205)	61748	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
I6923	YEHUD164	32	34.9	M	11.7	..	J	J2b2	J2b(xM205;xM241)	101140	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
ERS1790732	SI-12	33.6	35.4	M	..	HV1b1	J2-M12	J2b1	J2b-M205	933527	HaberAJHG2017	1800-1600 BCE	-1700	-1800	-1600	Levant_BA	Sidon	Lebanon
I4521	S4521.E1.L1	32.6	35	M	115	H20a	J	J2b1	J2b-M205(xBY37662;Y125824)	521731	AgranatTamirCell2020	2340-2146 calBCE	-2244	-2340	-2146	Levant_South_IBA	Tel Megiddo	Israel
3DT26	3DRIF-26	54	-1.08	M	0.46	H5	J2	J2b1	J2b-M205	789900	MartinianoNatCommun2016	50-350 CE	250	100	400	Britain_Roman	Driffield Terrace	Great Britain
JK2911	1609	29.9	31.2	M	0.12	M1a1	J	J2b1	J2b-M205	514167	SchuenemannNatCommun2017	779-544 calBCE	-652	-779	-544	Egypt_Pre_Ptolemaic	Abusir el-Meleq	Egypt
I7003	YEHUD2000	32	34.9	M	24.2	N1b1a2	J2b	J2b1	J2b-M205(xBY37662,xFT4244)	131891	AgranatTamirCell2020	2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud	Israel
ELW013		49	10.1	M		T1a1b		J2b1	J2b-M205(xY22066,xPH210)	70527	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Ellwangen	Germany
R1283	RMPR-1283	41.9	12.5	M	..	H12	J-M12	J2b1	J2b-PF7321*	808292	AntonioScience2019	772-955 calCE	855	772	955	Italy_MA	Cancelleria, Palazzo della Can	Italy
ALA014	45.45, Locus 8, AT 88	36.2	36.4	M	0.57	H14b	J2b1	J2b1	J2b-PH4306	650048	SkourtaniotiCell2020	1743-1621 calBCE	-1679	-1743	-1621	Levant_North_MLBA	Hatay Province, Tell Atchana/Alalakh	Turkey
I1730	AG_84_3083_116	32	36	M	470	R0a1a	J2b	J2b1	J2b-FTA1458	691850	LazaridisNature2016	2557-2296 calBCE	-2406	-2557	-2296	Levant_EBA	'Ain Ghazal	Jordan
R50	RMPR-50	41.8	12.5	M	..	H5	J-M172	J2b1	J2b-Y134209	909413	AntonioScience2019	211-320 calCE	251	211	320	Italy_Imperial	Centocelle	Italy
I4241	F10 B1 S3	37	45.5	M	116	K1a3	J2b	J2b2b	J2b-A26551	863861	NarasimhanPattersonScience2019	6021-5891 calBCE	-5954	-6021	-5891	Iran_CA	Hajji Firuz	Iran
I4349	F11 4 merged with F1	37	45.5	M	..	U1a4	J2b2	J2b2b	J2b-A26551	916581	NarasimhanPattersonScience2019	5891-5720 calBCE	-5851.5	-5887	-5816	Iran_CA	Hajji Firuz	Iran
ALA095	45.72; Locus 03-3013,	36.2	36.4	M	0.15	HV	J2b2~	J2b2b	J2b-Y55768*	574603	SkourtaniotiCell2020	1922-1750 calBCE	-1830	-1922	-1750	Levant_North_MLBA	Hatay Province, Tell Atchana/Alal	Turkey
I3351	R19	30.3	79.7	M	59	M4	J2b2a	J2b2a	J2b-M241	50278	NarasimhanPattersonScience2019	774-885 calCE	832	774	885	India_Medieval	Roopkund Lake	India
SAL010	Salapia	41.3	15.6	M		U5a1	J2b-M241	J2b2a	J2b-M241	39174	AnelibioRxiv2021	not dated	-500	-750	-250	Apulia_IA	Salapia	Italy
PCA0113	Mas_26	50.7	23.9				J-M241	J2b2a	J2b-M241		FiglerowiczStolarek2021	200-400 AD	300	200	400	Germanic	Masłomęcz	Poland
N20		50.9	5.69	M			J2b-M102(100%) probably M241	J2b2a	J2b-M241		LauwerierDeKort2014	530-600 AD	500	450	750	Merovingian	Merovingian burial site in Borgharen in the Dutch	Netherlands
ELW038		49	10.1	M		H10e		J2bL283	J2b-L283(xZ600)	22562	ImmelMolBiolEvol2021	1,486-1,627 calAD	1557	1486	1627	CEU_EM	Ellwangen	Germany
ELW032		49	10.1	M		J2a1a1		J2bL283	J2b-L283(xYP98;xZ1296)	27356	ImmelMolBiolEvol2021	1,486-1,627 calAD	1557	1486	1627	CEU_EM	Ellwangen	Germany
ORD014	Ordona	41.3	15.6	M		I5a2+16086C	J2b2-L283	J2bL283	J2b-L283	141736	AnelibioRxiv2021	2438 ± 25 BP; 570 -	-489	-570	-408	Apulia_IA	Ordona	Italy
RISE408	#6	40.2	45.9	M	0.86	I5c	J2b2a-M241>L283	J2bL283	J2b-L283(xZ600)	117119	AllentoftNature2015	1212-1010 calBCE	-1100	-1212	-1010	Armenia_MLBA	Norabak	Armenia
ORC007	ORC007	39.7	9.43	M	485.2	H1e1a	J2b2a1	J2bL283	J2b-L283*	843047	MarcusNatCommun2020	1371-1125 calBCE	-1223	-1371	-1125	Sardinia_Nuragic	Perdasdefogu, NUO	Italy
KDC001	KDC001.A0101, BZNK	43.4	43.7	M	0.41	X2i	J2b	J2bL283	J2b-L283(*?, Z622*?)	729183	WangNatCommun2019	1950-1778 BCE	-1888	-1950	-1778	Caucasus_MBA	Kudachurt	Russia
IVLS09KT	TM A 155: matus 18	58.3	26.9	M	..	H2a1	J2b2a1	J2bL283	J2b-Z622(xZ600)	304403	SaagCurrBiol2019	1570-1600 CE	1585	1570	1600	Baltic_MA_M	Mäletjärve, Tartu, EST	Estonia
ORC008	ORC008	39.7	9.43	M	324.2	H1	J2b2a1	J2bL283	J2b-Z600*	821009	MarcusNatCommun2020	1198-991 calBCE	-1073	-1198	-991	Sardinia_Nuragic	Perdasdefogu, NUO	Italy
I10553	Perda-2	39.7	9.43	M	903.5	J1c3j	J2b2a	J2bL283	J2b-YP157*	812020	FernandesNatEcolEvol2020	1255-1055 calBCE	-1160	-1255	-1055	Sardinia_Nuragic	Sardinia, Perdasdefogu	Italy
ORC003	ORC003	39.7	9.43	M	442.4	K1a4a1	J2b2a1	J2bL283	J2b-YP157*	846534	MarcusNatCommun2020	1374-1126 calBCE	-1231	-1374	-1126	Sardinia_Nuragic	Perdasdefogu, NUO	Italy
Mok15	163	45.9	20.4	M	0.18	U4a2	J2b	J2bL283	J2b-Z615*	891675	ŽegaracSciRep2021	2134-1737 BC	-1936	-2134	-1737	Balkans_EBA	Mokrin necropolis	Serbia
ELW025		49	10.1	M		T2b		J2bL283	J2b-CTS3617(xPH502)	71490	ImmelMolBiolEvol2021	1,486-1,627 calAD	1557	1486	1627	CEU_EM	Ellwangen	Germany
I4331	VV1	43.2	17.3	M	547	I1a1	J2b2a	J2bL283	J2b-Z38240	725669	MathiesonNature2018	1618-1517 calBCE	-1569	-1618	-1517	Balkans_BA	Veliki Vanik	Croatia
R474	RMPR-474	42.1	11.8	M	..	H	J-M12	J2bL283	J2b-Y45181	860621	AntonioScience2019	700-600 BCE	-650	-700	-600	Italy_IA_Republic	Civitavecchia	Italy
R54	RMPR-54	41.7	13.1	M	..	H4a1	J-Z1296	J2bL283	J2b-Y23094*	698108	AntonioScience2019	1280-1430 calCE	1355	1280	1430	Italy_LMA	Villa Magna	Italy
R116	RMPR-116	41.9	12.5	M	..	U3a2	J-Z631	J2bL283	J2a-Z631	804557	AntonioScience2019	1-200 CE	100	0	200	Italy_Imperial	Via Paisiello (Necropoli Salaria)	Italy
KRA010	600-7a	51.7	11.8	M	0.1	H26a1	J2b2a1a1a1a1a	J2bL283	J2a-Z1043		ParkerSciRep2020	1276-1383 calAD	1329.5	1276	1383	CEU_Medieval	Wüstung Krakau bei Peißen, Saxony-Anhalt	Germany
VK346	Oland_1057	56.7	16.7	M	104.3	H2a2b	J2	J2bL283	J2b-Z8424(Y36972?)	821422	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Oland	Sweden
I4157	UZ-BST-005, Site 7, Gr	37.7	67	M	44.1	T1	J2a	J2b2a2	J2b-Z2432	281113	NarasimhanPattersonScience2019	1600-1300 BCE	-1450	-1600	-1300	BMAC	Bustan	Uzbekistan
I11565	Grave 31 (?), unassigr	36.3	72.4	M	2.28	J1b1	GHIJK	J2b2a2	J2b-Z2433	10550	NarasimhanPattersonScience2019	1-1000 CE	500	1	1000	Swat_Med	Swat Valley, Parwak	Pakistan
I12458	Grave 9, single burial	34.8	72.4	M	..	M4	J2	J2b2a2b2	J2b-Y965(xFT125414,xY972)	672007	NarasimhanPattersonScience2019	1000-800 BCE	-900	-1000	-800	SPGT	Swat Valley, Loebanr	Pakistan
I12982	Grave 178, Individual	34.8	72.4	M	284.8	H14	J2b	J2b2a2b2	J2b-Z8344(xFT125414,xY972)	768526	NarasimhanPattersonScience2019	1000-800 BCE	-900	-1000	-800	SPGT	Swat Valley, Loebanr	Pakistan
I6936	R48	30.2	79.7	M	84.6	H1a	J2b2a2b2b	J2b2a2b2	J2b-Z2443	728448	HarneyNatCommun2019	1683-1936 calCE	1823	1683	1936	India_Modern	Roopkund Lake	India
I6943	R61	30.2	79.7	M	74.5	M3a1	J2b2a2b2b	J2b2a2b2	J2b-Z2443	145489	HarneyNatCommun2019	674-773 calCE	722	674	773	India_Medieval	Roopkund Lake	India
I11480	424, IRR Grave 22e (C	30.6	61.4	M	..	W6	J-Y33893?	J2b2a2b1	J2a-Y33893?	20314	NarasimhanPattersonScience2019	2900-2800 BCE	-2850	-2900	-2800	Indus_Periphery	Seistan, Shahr-i Sokhta	Iran
I4185	ALE4a	46.2	18.7	M	75	T2c1	J2 low coverage	J2a	J2(xJ2a1,xJ2b)	38275	LipsonNature2017	5026-4837 calBCE	-4923	-5026	-4837	Balkans_LN	Alsónyék-Elkerülő 2. site	Hungary
I2051	I2051, MG13, Marche	44.6	38.2	M	4.9	H6a1a2a	J2a	J2a	J2a	65562	WangNatCommun2019	1450-1200 BCE	-1325	-1450	-1200	Caucasus_BA	Marchenkova Gora, D13	Russia

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-Simple	Source	Date	Mean	Simplified_Culture	Location	Country
KHO001	AT-354	47.1	91.8	M	D4	J2a	JeongCell2020	1158-1252 CE	1191	Mongol	Khoit Tsenkher (Tavagatain An	Mongolia
I4899	UZ-BST-014, Site 5, Gr	37.7	67	M	HV	J2a	NarasimhanPattersonScience20	1600-1300 BCE	-1450	BMAC	Bustan	Uzbekistan
A80411		49.1	44.2	M		J2a	AfanasievWen2015	700-900 AD	800	Saltovo_Mayaki	Podgorovsky	Russia
I1293	HotuIIIb	35.6	53.5	M	HV2	J2a2	LazaridisNature2016	9100-8600 BCE	-8850	Iran_HG	Hotu Cave	Iran
IKI024	SK 635	41.6	35.9	M	U1b1	J2a1	SkourtaniotiCell2020	3959-3797 calBCE	-3871	Anatolia_North_LC	Samsun Province	Turkey
I3584	Tumba XIX	37	-4.12	M	H	J2a1*	OlaldeScience2019	400-700 CE	550	Iberia_EMA	Necrópolis de las Delicias, Ventas de Zafarraya, G	Spain
SH/81	SHper81	47.2	21.2	M	H1c	J2a1a	NeparáczkiSciRep2019	Xth c. second half	950	Magyar	Sárrétudvari–Hízóföld/81	Hungary
I6947	R66	30.2	79.7	M	K1a	J2a1a	HarneyNatCommun2019	1675-1943 calCE	1819	India_Modern	Roopkund Lake	India
I7743	PP B	36.9	14.6	M	K2b1	J2a1a	FernandesbioRxiv2019	3000-1600 BCE	-2300	Sicily_EBA	Sicily, Contrada Paolina, Castellucciana	Italy
I3406	R43	30.3	79.7	M	M30	J2a1a	HarneyNatCommun2019	886-990 calCE	934	India_Medieval	Roopkund Lake	India
I12453	Grave 101, Individual	34.8	72.3	M	n/a (<2x)	J2a1a	NarasimhanPattersonScience20	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan
NA_18		50.7	16.8			J2a1a	StolarekSciRep2019	900-1000 AD	950	Slav_Early	Niemcza	Poland
ART023	S216 Cr14	38.4	38.4	M	U3b1	J2a1a1a	SkourtaniotiCell2020	3487-3105 calBCE	-3277	Anatolia_LC	Malatya Province	Turkey
I8208	12-SU-33-A4-T510	42.1	3.11	M	H33	J2a1a1a	OlaldeScience2019	376-201 calBCE	-276	Iberia_Hel	Empúries, Girona, Catalonia	Spain
SI-44	SI-44	33.6	35.4	M	HV1b	J2a1a1a	HaberAJHG2019	1000-1300 CE	1150	Levant_MA	Sidon	Lebanon
N15		50.9	5.69	M		J2a1a1a	LauwerierDeKort2014	530-600 AD	500	Merovingian	Merovingian buriel site in Borgharen in the Dutc	Netherlands
I4054	Sondeo G2/UE217	37.2	-3.61	M	H4a1c2	J2a1a1a	OlaldeScience2019	200-400 CE	300	Iberia_Roman	Plaza Einstein, Granada, Andalusia	Spain
I3983	Tumba 19	37.2	-3.61	M	H4a1c2	J2a1a1a	OlaldeScience2019	261-531 calCE	400	Iberia_Roman	Plaza Einstein, Granada, Andalusia	Spain
ART019	S216 Cr10	38.4	38.4	M	K1a3	J2a1a1a	SkourtaniotiCell2020	3508-3354 calBCE	-3443	Anatolia_LC	Malatya Province	Turkey
I2190	S2190.E1.L1	32.6	35	M	H14a	J2a1a1a	AgranatTamirCell2020	1497-1302 calBCE	-1401	Levant_South_MLBA	Tel Megiddo	Israel
I4519	S4519.E1.L1,S4520.E1	32.6	35	M	H+152	J2a1a1a	AgranatTamirCell2020	1516-1436 calBCE	-1475	Levant_South_MLBA	Tel Megiddo	Israel
I6255	S50	21.1	30.7	M	L0a1a1	J2a1a1a	SirakbioRxiv2021	1220±22 BP, UGAMS	730	Sudan_MA	Kulubnarti	Sudan
I6325	S73	21.1	30.7	M	L2a1d1	J2a1a1a	SirakbioRxiv2021	1270±22 BP, UGAMS	680	Sudan_MA	Kulubnarti	Sudan
I17475	S144	21.1	30.7	M	L2a1d1	J2a1a1a	SirakbioRxiv2021	650-1000 CE	825	Sudan_MA	Kulubnarti	Sudan
I12220	GC3,GC5	39.2	9.16	M	U5a2a1	J2a1a1a	FernandesNatEcolEvol2020	577-642 calCE	610	Sardinia_LA	Sardinia, Sant'Elia Cape, Grotta Colombi	Italy
N18	N18	50.9	5.69	M		J2a1a1a	LauwerierDeKort2014	530-600 AD	500	Merovingian	Merovingian buriel site in Borgharen in the Dutc	Netherlands
R115	RMPR-115	41.9	12.5	M	U4	J2a1a1a	AntonioScience2019	1-200 CE	100	Italy_Imperial	Via Paisiello (Necropoli Salaria) burial 132	Italy
Ker1	KER_1	45.4	36.5	M	HV9	J2a1a1a	VeeramahPNAS2018	255-413 calCE	346	Hun_Germanic	Pantikapaion (Kerch), Crimea	Ukraine
R969	RMPR-969	42	12.8	M	U5b	J2a1a1a	AntonioScience2019	1600-1700 CE	1650	Italy_Renaissance	Tivoli Palazzo Cianti	Italy
ART001	H156 S138	38.4	38.4	M	H14b3	J2a1a1a	SkourtaniotiCell2020	2469-2298 calBCE	-2392	Anatolia_East_EBA	Malatya Province	Turkey
R1550	RMPR-1550	42.1	12.6	M	T2c1c	J2a1a1a	AntonioScience2019	27 BCE - 300 CE	136	Italy_Imperial	Monterotondo	Italy
I6762	R19,RMPR-19	43.7	13	M	U5b3a1	J2a1a1a	AntonioScience2019	5356-5035 calBCE	-5196	Italy_N	Ripabianca di Monterado	Italy
ART017	S216 Cr8	38.4	38.4	M	T2c1+146	J2a1a1a	SkourtaniotiCell2020	3357-3101 calBCE	-3216	Anatolia_East_LC	Malatya Province	Turkey
R81	RMPR-81	41.9	12.5	M	K1b1c	J2a1a1a	AntonioScience2019	1-200 CE	100	Italy_Imperial	Viale Rossini (Necropoli Salaria)	Italy
MA2200	MA2200-01, MA2200-	39.3	33.8	M	K1a+150	J2a1a1a	DamgaardScience2018	2500-1200 BCE	-1850	Anatolia_MLBA	Kalehöyük	Turkey
MA2205	HS 11-1, 110705, Nort	39.3	33.8		J2b1	J2a1a1a	DamgaardScience2018	2500-1200 BCE	-1850	Anatolia_MLBA	Kalehöyük	Turkey
VK317	Denmark_Kaargarden	54.9	10.8	M	H2a2a1	J2a1a1a	MargaryanNature2020	900-1000 CE	950	Viking	Langeland	Denmark
R44	RMPR-44	41.7	12.3	M	T2	J2a1a1a	AntonioScience2019	1-400 CE	200	Italy_Imperial	Isola Sacra	Italy
I2055	I2055, Unakozovskaya	44.5	40.1	M	R1a	J2a1a1a	WangNatCommun2019	4676-4458 calBCE	-4538	Caucasus_LN	Unakozovskaya	Russia
I11027	UZ-BST-002, Site 7, Gr	37.7	67	M	T2c	J2a1a1a	NarasimhanPattersonScience20	1631-1508 calBCE	-1576	BMAC	Bustan	Uzbekistan
ART022	S216 Cr13	38.4	38.4	M	J1c	J2a1a1a	SkourtaniotiCell2020	3641-3191 calBCE	-3463	Anatolia_East_LC	Malatya Province	Turkey
ALA011	45.44, Locus 146, AT 1	36.2	36.4	M	X2d	J2a1a1a	SkourtaniotiCell2020	1743-1614 calBCE	-1670	Levant_North_MLBA	Hatay Province	Turkey
I6266	KLD89-11\22	44.4	40.4	M	X2f	J2a1a1a	WangNatCommun2019	3504-3348 calBCE	-3435	Maykop	kurgan 11, grave	Russia
I2056	I2056, Unakozovskaya	44.5	40.1	M	R1a	J2a1a1a	WangNatCommun2019	4607-4450 calBCE	-4512	Caucasus_LN	Unakozovskaya	Russia
I6268	KLD89-11\50	44.4	40.4	M	R1a	J2a1a1a	WangNatCommun2019	3766-3382 calBCE	-3600	Maykop	kurgan 11, grave	Russia
R1551	RMPR-1551	42.1	12.6	M	H	J2a1a1a	AntonioScience2019	76-219 calCE	153	Italy_Imperial	Monterotondo	Italy
I1504	BR2.SG, HUNG381, BI	47.7	20.1	M	K1a1a	J2a1a1a	MathiesonNature2015	987-833 calBCE	-908	Balkans_LBA	Ludas-Varju-Dulo	Hungary
ART011	S220-1	38.4	38.4	M	T2c1	J2a1a1a	SkourtaniotiCell2020	2860-2506 calBCE	-2690	Anatolia_East_EBA	Malatya Province	Turkey
I0073	Lassithi7	35.1	25.8	M	H1bm	J2a1a1a	LazaridisNature2017	2400-1700 BCE	-2050	Minoan	Lassithi, Crete	Greece
I0070	Lassithi2	35.1	25.8	M	H13a1a	J2a1a1a	LazaridisNature2017	2400-1700 BCE	-2050	Minoan	Lassithi, Crete	Greece
R117	RMPR-117	41.8	12.3	M	T2b	J2a1a1a	AntonioScience2019	400-600 CE	500	Italy_LA	San Ercolano	Italy
I12515	UE 102	39.9	-0.2	M	H3	J2a1a1a	OlaldeScience2019	1100-1300 CE	1200	Iberia_Muslim	Palau Castell de Betxí, Betxí, Castelló/Castellón	Spain
I12514	UE 119A	39.9	-0.2	M	HV0+195	J2a1a1a	OlaldeScience2019	1025-1160 calCE	1096	Iberia_Muslim	Palau Castell de Betxí, Betxí, Castelló/Castellón	Spain
MA2212	G-137, the well of laye	38.6	34.3		W5	J2a1a1a	DamgaardScience2018	3000-2500 BCE	-2750	Anatolia_EBA	Ovaören	Turkey
I7796	PP K	36.9	14.6	M	H+195!	J2a1a1b	FernandesNatEcolEvol2020	1880-1689 calBCE	-1781	Sicily_EBA	Sicily, Contrada Paolina, Castellucciana	Italy
I8724	38, T.38, Period II, ph	30.6	61.4	M	I1	J2a1a1b	NarasimhanPattersonScience20	3050-2850 BCE	-2950	Iran_BA	Seistan, Shahr-i Sokhta	Iran
I19456	OnlineReport	42.6	25.4		U2e1a1	J2a1a1b	ReichLab2020(SE_Europe)		-2850	Balkans_EBA	Kazanlak, Tell Kran	Bulgaria
DA379	6286-38	37.6	59.3	M	U2b	J2a1a1b	DamgaardScience2018	3482-3021 calBCE	-3219	Turan_CA	Kara-Depe	Turkmenistan
TSB001	AT-804	47.1	102	M	H14b	J2a1a1b2a1	JeongCell2020	660-768 CE	708	Turkic	Tsaidam Bag, Arkhangai	Mongolia
I12162	PH'06-1163	42	2.81	M	U5b1b1d	J2a1a1b2a1b*	OlaldeScience2019	500-700 CE	600	Iberia_Roman	Pla de l'Horta, Sarrià de Ter, Girona, Catalonia	Spain
R970	RMPR-970	42	12.8	M	J1b3	J2a1a1b2a1b	AntonioScience2019	1600-1700 CE	1650	Italy_Renaissance	Tivoli Palazzo Cianti	Italy
R136	RMPR-136	41.9	12.5	M	T2d2	J2a1a1b2a1b	AntonioScience2019	300-500 CE	400	Italy_LA	Marcellino & Pietro	Italy
R1221	RMPR-1221	41.9	12.5	M	H1e2	J2a1a1b2a1b	AntonioScience2019	1480-1490 CE	1485	Italy_Renaissance	Cancelleria	Italy
VK42	Sweden_Skara 62	58.4	13.7	M	T2b11	J2a1a1b2a1b	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
I1792	Gonur 2004 large pit	38.2	62	M	T2d1a	J2a1a1b2	NarasimhanPattersonScience20	2456-2200 calBCE	-2304	BMAC	Gonur	Turkmenistan
I4794	KZ-TAL-001, Taldysay	48.2	67	M	C4a'b'c	J2a1a1b2a1a	NarasimhanPattersonScience20	1600-1400 BCE	-1500	Andronovo_Alakul	Aktobe, Koboda, Taldysay	Kazakhstan
MJ-16	32	49.4	30.8	M	T2b	J2a1a1b2a1a	JärveCurrBiol2019	755-414 calBCE	-594	Scythian	Medwin	Ukraine
I2927	TH23-124, 33-23-124,	36.2	54.4	M	T2h2	J2a1a1b2a1a	NarasimhanPattersonScience20	2575-2350 calBCE	-2497	Iran_CA	Tepe Hissar	Iran
I2128	Gonur tomb 1311 san	38.2	62	M		J2a1a1b2a1a	NarasimhanPattersonScience20	2199-2035 calBCE	-2106	BMAC	Gonur	Turkmenistan
I8726	201, Grave 201, LS 1,	30.6	61.4	M	U2c1	J2a1a1b2a1a1	NarasimhanPattersonScience20	3100-3000 BCE	-3050	Indus_Periphery	Seistan, Shahr-i Sokhta	Iran
I12451	Grave 14, single buria	34.8	72.4	M	HV13b	J2a1a1b2a1a1	NarasimhanPattersonScience20	1000-800 BCE	-900	SPGT	Swat Valley, Butkara II	Pakistan
I11478	422, IRW Grave 7, pos	30.6	61.4	M	U1a1c1d	J2a1a1b2a1a1	NarasimhanPattersonScience20	3200-1900 BCE	-2550	Iran_BA	Seistan, Shahr-i Sokhta	Iran
NAI001	AT-149	48.6	102	M	K1a12a1a	J2a1a1b2a1a1	JeongCell2020		-5	Xiongnu	Naimaa Tolgoi, Arkhangai	Mongolia
I11028	UZ-BST-009, Site ?, 58	37.7	67	M	W1+119	J2a1a1b2a1a1	NarasimhanPattersonScience20	3332-2937 calBCE	-3149	BMAC	Bustan	Uzbekistan
I11527	Aigyrzhal K.105	41.4	75.9	M	HV14	J2a1a1b2a1a1	NarasimhanPattersonScience20	2122-1926 calBCE	-1993	Aigyrzhal_BA	Aigyrzhal	Kyrgyzstan
KNT003	K1/17m	41.4	68.8	M	W3a1	J2a1a1b2a1a1	GnecchiRusconeSciAdv2021	2th-5th c. CE; Otyrar culture	300	Steppe_Central_Nomad_I	K1/17m	Kazakhstan
I12465	Grave 186, single buri	34.8	72.3	M	U7b	J2a1a1b2a1a2	NarasimhanPattersonScience20	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan
I2337	TH23-9, 33-23-9, Peric	36.2	54.4	M	I1	J2a1a1b2a1a2	NarasimhanPattersonScience20	3640-3518 calBCE	-3572	Iran_CA	Tepe Hissar	Iran
SKT012	CA-29	49.2	101	M	C4a1a4a	J2a1a1b2a1a2	JeongCell2020		-5	Xiongnu	Salkhityn Am, Khuvsgul	Mongolia
I7716	Grave 370, single bur	36.7	72.3	M	H13a2a	J2a1a1b2a1a2	NarasimhanPattersonScience20	1176-1264 calCE	1222	Swat_Med	Swat Valley, Udegram, Raja Gira	Pakistan
DA203	Cemetery Butakty 1, g	43.2	77	M	G2a2	J2a1a1b2a1a2	DamgaardNature2018	800-1100 CE	950	Kazakhstan_Med	Central steppe	Kazakhstan
I12117	Butakty 1 settlement	43.2	77	M	A+152+16362	J2a1a1b2a1a2	DamgaardNature2018	750-950 CE	850	Turkic	Tian Shan	Kazakhstan
I12113	Butakty 1, grave 34	43.2	77	M	A+152+16362+16189	J2a1a1b2a1a2	DamgaardNature2018	885-1025 calCE	950	Kazakhstan_Med	Central steppe	Kazakhstan
I12116	Butakty 1 settlement	43.2	77	M	F1b1e	J2a1a1b2a1a2	DamgaardNature2018	750-950 CE	850	Turkic	Tian Shan	Kazakhstan
DA59	Kyr 27	41.5	75.8	M	D4j8	J2a1a1b2a1a2	DamgaardNature2018	354-53 calBCE	-143	Scythian_Saka	Tian Shan	Kyrgyzstan
DA57	Kyr 25	41.5	75.8	M	D4j8	J2a1a1b2a1a2	DamgaardNature2018	338-1 calBCE	-122	Scythian_Saka	Tian Shan	Kyrgyzstan
DA58	Kyr 26	41.5	75.8	M	W1c	J2a1a1b2a1a2	DamgaardNature2018	334 calBCE - 3 calCE	-110	Scythian_Saka	Tian Shan	Kyrgyzstan
R68	RMPR-68	41.8	12.5	M	U7a4a1a	J2a1a1b2a1a2	AntonioScience2019	100-300 CE	200	Italy_Imperial	ANAS (Azienda Nazionale Autor	Italy
I7494	UZ-ST-006, Sappali Te	37.4	66.8	M	HV20	J2a1a1b2a1a2a1	NarasimhanPattersonScience20	2016-1830 calBCE	-1925	BMAC	Sappali Tepe	Uzbekistan
R76	RMPR-76	41.9	12.5	M	T2c1a	J2a1a1b1	AntonioScience2019	1-200 CE	100	Italy_Imperial	Viale Rossini (Necropoli Salaria)	Italy
I5396	Grave 36, single buria	34.8	72.3	M	U4d	J2a1a1b1a	NarasimhanPattersonScience20	904-814 calBCE	-859	SPGT	Swat Valley, Katelai	Pakistan
I8728	303C, T.303C, Period I	30.6	61.4	M	R7	J2a1a1b1a	NarasimhanPattersonScience20	2600-2500 BCE	-2550	Indus_Periphery	Seistan, Shahr-i Sokhta	Iran
I12463	Grave 30, single buria	34.8	72.3	M	N1a1b1	J2a1a1b1a	NarasimhanPattersonScience20	1000-800 BCE	-900	SPGT	Swat Valley, Katelai	Pakistan
LSC002/004		41.4	13.2	M	H1bv1b	J2a1a1b1a	SaupeCurrBiol2021	4091 ± 29 BP; 2840–	-2708	Italy_CA	La Sassa	Italy
LSC011		41.4	13.2	M	J1c1	J2a1a1b1a	SaupeCurrBiol2021	4073 ± 37 BP; 2837–	-2668	Italy_CA	La Sassa	Italy
I4159	UZ-BST-007, Site 4, Gr	37.7	67	M	R0	J2a1a1b1a	NarasimhanPattersonScience20	1600-1300 BCE	-1450	BMAC	Bustan	Uzbekistan
I8725	48, IRL G-48, Late Per	30.6	61.4	M	J1	J2a1a1b1(xa)	NarasimhanPattersonScience20	3010-2881 calBCE	-2912	Iran_BA	Seistan, Shahr-i Sokhta	Iran
DA381	6286-89	37.5	60.7	M	T2c1a	J2a1a1b1(xa)	DamgaardScience2018	3367-3098 calBCE	-3224	Turan_IA	Geoksur	Turkmenistan
KEN001	Ken-Su #551	42.2	75.5	M	A16	J2a1a1b1(xa)	GnecchiRusconeSciAdv2021	357-165 calBC	-261	Saka	Ken-Su #551	Kyrgyzstan
I1902	FEB3a	47	18	M	H44	J2a1a2	LipsonNature2017	4900-4300 BCE	-4600	Lengyel	Felsőörs-Bárókert	Hungary
I9041	Galatas4	37.5	23.5	M	X2	J2a1a2	LazaridisNature2017	1400-1200 BCE	-1300	Mycenaean	Galatas Apatheia, Peloponnese	Greece
Kou01	#56 95 Δ - 9.76	36.9	25.6	M	K1a2c	J2a1a2	ClementeCell2021	2469-2310 calBC	-2390	Greece_EBA	Koufonisi, Koufonisi Island, Cyclades	Greece
I5078	OHV-7.1, AN 7, G 1, N	45.6	18.7	M	H10	J2a1a2	MathiesonNature2018	4699-4545 calBCE	-4621	Balkans_N	Osijek	Croatia
POP04	SU855 U306	45.3	18.7	M	H	J2a1a2	FreilichSciRep2021	4700-4300 BCE	-4500	Croatia_MN	Beli Manastir-Popova zemlja, Osijek	Croatia
KK1	Kotias	42.3	43.3	M	H13c	J2a1(xa)	JonesNatCommun2015	7940-7599 BCE	-7728	Caucasus_HG	Kotias Klde	Georgia
I5207	Ind. 22	48.6	16.5	M	H67	J2a1(xa)	MathiesonNature2018	5500-4500 BCE	-5000	LBK	Schletz	Austria
I5068	Grave 40	48.7	16.6	M	T2b23	J2a1(xa)	MathiesonNature2018	5500-4775 BCE	-5138	LBK	Kleinhadersdorf Flur Marchleite	Austria
I0708	BAR6 / L11-439	40.3	29.6	M	N1b1a	J2a1(xa)	MathiesonNature2015	6224-6074 calBCE	-6151	Anatolia_N	Barcın Höyük	Turkey
I2312	Belt45, Trench C, Skel	35.6	53.5	M	K2a	J2a2	NarasimhanPattersonScience20	12000-8000 BCE	-10000	Iran_HG	Alborz Mountains, near Behshahr, Belt Cave	Iran
I1662	SG7	34.5	48	M	K1a12a	J2a2	LazaridisNature2016	4836-4610 calBCE	-4727	Iran_CA	Seh Gabi	Iran
I7421	UZ-ST-002, Sappali Te	37.4	66.8	M	J1b1b1	J2a2*	NarasimhanPattersonScience20	1935-1751 calBCE	-1840	BMAC	Sappali Tepe	Uzbekistan
ULI002	AT-675	45.9	91.9	M	B4c1a2a	J2a2a	JeongCell2020	650-765 CE	671	Turkic	Lower terrace, Uliastai River, Kl	Mongolia
I10266	S10266.E1.L1	32.6	35	M		J2a2a	AgranatTamirCell2020	1628-1406 calBCE	-1512	Levant_South_MLBA	Tel Megiddo	Israel
R17	RMPR-17	43.7	13	M	U8b1b	J2a2a	AntonioScience2019	5323-5216 calBCE	-5266	Italy_N	Ripabianca di Monterado	Italy
I12482	MOS297, IE-10-48	37.2	61	M	I1c1	J2a2a	NarasimhanPattersonScience20	3400-2800 BCE	-3150	Turan_EN	Geoksyur	Turkmenistan
ZAA005	AT-956	47.9	104	M	D4c1b1	J2a2a1a1	JeongCell2020	1025-1155 CE	1082	Mongol_Early	Zaan-Khoshuu, Bulgan	Mongolia
UGU001	AT-749	49.2	105	M	D2	J2a2a1a1	JeongCell2020	687-711 CE	728	Turkic	Uguumur Uul, Selenge	Mongolia
ULA001	AT-840	47.9	105	M	Y1a	J2a2a1a1	JeongCell2020	1033-1159 CE	1094	Mongol_Early	Ulaan Kherem II, Bulgan	Mongolia
CHK004	Chilpek #8189	42.5	78.4	M	F1b1f	J2a2a1a1	GnecchiRusconeSciAdv2021	722-885 calAD	804	Steppe_Central_Nomad_I	Chilpek #8189	Kyrgyzstan
TUH002	AT-542	47.8	102	M	B5a2a1a	J2a2a1a1	JeongCell2020		-5	Xiongnu	Tamiryn Ulaan Khoshuu (Burkh	Mongolia
RISE504	6652-35 Russia_IA2?	53.5	85.4	M	C4a1d	J2a2a1a1	AllentoftNature2015	709-888 calCE	824	Russia_IA	Kytmanovo	Russia
RISE602	23-1, grave 2	50.6	86.5	M	C4+152	J2a2a1a1	AllentoftNature2015	1000-1 BCE	-500	Russia_IA	Sary-Bel	Russia
DA124	IS5	43.4	77.4	M	HV19	J2a2a1a1	DamgaardNature2018	648-775 calCE	705	Steppe_Central_Nomad_MA	Tian Shan	Kazakhstan
KKB001	Karakaba /9	49.2	84.5	M	T2c1	J2a2a1a1	GnecchiRusconeSciAdv2021	775-887 calAD	831	Turkic	Karakaba /9	Kazakhstan
R34	RMPR-34	41.9	12.5	M	H+195+146	J2a2a1a1	AntonioScience2019	300-700 CE	500	Italy_LA_EMA	Mausoleo di Augusto	Italy
I10411	Gonur skull 3250, Ufa	38.2	62	M	U7a	J2a2a1a1	NarasimhanPattersonScience20	2300-2200 BCE	-2250	BMAC	Gonur	Turkmenistan
I11474	418, Grave 303A, prol	30.6	61.4	M	R5a2b	J2a2a1a1	NarasimhanPattersonScience20	2700-2600 BCE	-2650	Iran_BA	Seistan, Shahr-i Sokhta	Iran
TUK17		47.8	102	M	D4f	J1	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery	Mongolia
MK5008	MK5008.B0101, BZNK	43.9	43.5	M	T1a2	J1	WangNatCommun2019	3369-3103 calBCE	-3237	Maykop	Marinskaya 5	Russia
I10104	S10104.E1.L1	32.6	35	M	T2e	J1	AgranatTamirCell2020	1950-1800 BCE	-1875	Levant_South_MLBA	Tel Megiddo	Israel
I2335	TH16-4, 33-16-4, Peric	36.2	54.4	M	U1a'c	J1	NarasimhanPattersonScience20	3635-3385 calBCE	-3567	Iran_CA	Tepe Hissar	Iran
K1/1438	K1per1438	48.3	21.7	M	U3b1b	J1	NeparáczkiSciRep2019	895- mid Xth c.	925	Magyar	Karos I/1438	Hungary
Popovo2	Popovo1,I0963	61.3	38.9	M	U4d	J1	MittnikNatCommun2018	7500-5000 BCE	-6250	Europe_North_East_HG	Popovo, Karelia, Russia	Russia
Khvalynsk4	Reference	52.4	48.1	M		J1	AnthonyJIES2019	4500 BC	-4500	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
TIT025	'98 TH 80074	37.5	38.7	U		J1	SkourtaniotiCell2020	2200-2100 BCE	-2150	Anatolia_East_EBA	Şanlıurfa Province	Turkey
TT320-CCG61065	(probably not Thutmo	25.7	32.6			J1?	GadaCzechInstEgyptol2020	18th Dynasty	-1410	Egypt_BA	Valley of the Kings	Egypt
GranCanaria11		27.9	-15.5			J1	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
GranCanaria10		27.9	-15.5			J1	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
GranCanaria13		27.9	-15.5			J1	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
GranCanaria12		27.9	-15.5			J1	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
GranCanaria14		27.9	-15.5			J1	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
TverYDNA1	Number of samples u	56.9	35.9			J1	AlborovaMustafinMFTI2020	12th-13th c.	1200	Slav_East	Tver'	Russia
I1934	TelShadudL.126	32.7	35.2	M	I5a1	J1	VanDenBrinkLevant2017	1400-1100 BCE	-1250	Levant_MLBA	Tel Shadud	Israel
NF/1		47	19.8	M		J1	FóthiArchaeolAnthropolSci2020	tenth century CE	950	Magyar	Nagykőrös-Fekete dűlő/Grave 1	Hungary
I0211	UzOO40	61.7	35.7	M	U4a	J1	MathiesonNature2015	7050-5950 BCE	-6330	Europe_North_East_HG	Yuzhnyy Oleni Ostrov, Karelia	Russia
I8527	MOS324, Geoksyur 1,	37.2	61	M	n/a (<2x)	J1	NarasimhanPattersonScience20	3400-2800 BCE	-3100	Turan_EN	Geoksyur	Turkmenistan
DA208	Konyrtebe settlement	42.9	68.2	M	H1	J1a	DamgaardNature2018	1650-1850 CE	1750	Kazakh_His	Central steppe	Kazakhstan
SHU002	AT-232B	46.9	103	M	D4b2b	J1a	JeongCell2020	1166-1257 CE	1208	Mongol_LMA	Shunkhlai Mountain, Uvurkhan	Mongolia
I6221	SHT002, AT_25, Grave	46.4	101	M	U5a1+@16192	J1a2	WangNature2021	3316-2916 calBCE	-3046	Afanasievo	Bayankhongor aimag, Erdenetsogt sum	Mongolia
I8205	12-SU-33-A4-180	42.1	3.11	M	H14a2c	J1a2b	OlaldeScience2019	300-100 BCE	-200	Iberia_Hel	Empúries, Girona, Catalonia	Spain
I2495	A4-1, A-4-1 (1993)	37.9	30.7	M	H	J1a2b	LazaridisNature2017	2560-2295 calBCE	-2405	Anatolia_BA	Harmanoren-Gondurle Hoyuk,	Turkey
SFI-45	SFI-1075, T25 cxt 5249	33.9	35.5	M	T2a1b1	J1a2b	HaberAJHG2020	540-330 BCE	-435	Levant_Achaemenid	Beirut SFI-1075	Lebanon
I6257	S81	21.1	30.7	M	L2a1d1	J1a2b2*	SirakbioRxiv2021	1210±22 BP, UGAMS	740	Sudan_MA	Kulubnarti	Sudan
VEK007	VEK007.A0101; VEK00	42.4	48.1	M	U4a2	J1a2b2	WangNatCommun2019	3000-2800 BCE	-2900	Kura_Araxes	Velikent	Dagestan
ART018	S216 Cr9	38.4	38.4	M	H14a+146	J1a2b1	SkourtaniotiCell2020	3491-3109 calBCE	-3310	Anatolia_East_LC	Malatya Province	Turkey
SFI-55	SFI-415, T43 cxt 7855	33.9	35.5	M	H2a	J1a2b1	HaberAJHG2020	1000-539 BCE	-770	Levant_Assyrian	Beirut SFI-415	Lebanon
HU3G		47.2	18.4	M	U5b2c	J1a2b1	NagyEurJHumGenet2020, first appeared in Olasz2018	12th c.	1196	Magyar	Saint Stephen Basilica, Székesfe	Hungary
R128	RMPR-128	41.7	13.1	M	HV+16311	J1a2b1	AntonioScience2019	1-400 CE	200	Italy_Imperial_LA	Casale del dolce	Italy
I8216	10-SU-28-D1-E-35	42.1	3.11	M	H1	J1a2a	OlaldeScience2019	80-215 calCE	155	Iberia_Roman	Empúries, Girona, Catalonia	Spain
I8505	MOS298, Geoksyur 1,	37.2	61	U	H	J1a2a	NarasimhanPattersonScience20	3100-2800 BCE	-3100	Turan_EN	Geoksyur	Turkmenistan
KRD003	TK_22_2	36.3	36.4	M		J1a2a	SkourtaniotiCell2020	5714-5572 calBCE	-5652	Levant_North_EC	Hatay Province	Turkey
I10101	S10101.E1.L1	32.6	35	M	U2e1b	J1a2a1a	AgranatTamirCell2020	1600-1500 BCE	-1550	Levant_South_MLBA	Tel Megiddo	Israel
I4525	S4525.E1.L1	32.6	35	M	K1a18	J1a2a1a	AgranatTamirCell2020	1600-1500 BCE	-1550	Levant_South_MLBA	Tel Megiddo	Israel
UUS001	AT-613	49.4	100	M	D5a2a	J1a2a1a	JeongCell2020		-1198	Altai_MLBA	Uushigiin Uver, Khuvsgul	Mongolia
ETM005	TM.98.V.538 (Cranio	35.8	36.8	M		J1a2a1a	SkourtaniotiCell2020	2000-1800 BCE	-1900	Levant_North_EMBA	Idlib Governorate	Syria
ETM025	TM.83.G.304	35.8	36.8	U		J1a2a1a	SkourtaniotiCell2020	1900-1800 BCE	-1850	Levant_North_EMBA	Idlib Governorate	Syria
YaroslavlYDNA25		57.6	39.9			J1a2a1a	AlborovaMustafinMFTI2020	13th c.	1250	Slav_East	Medieval Kremlin of Yaroslavl	Russia
I10106	S10106.E1.L1	32.6	35	M	T2b7a	J1a2a1a	AgranatTamirCell2020	1700-1500 BCE	-1600	Levant_South_MLBA	Tel Megiddo	Israel
I10770	S10770.E1.L1	32.6	35	M	T2c1+146	J1a2a1a	AgranatTamirCell2020	1550-1450 BCE	-1500	Levant_South_MLBA	Tel Megiddo	Israel
I2195	S2195.E1.L1	32.6	35	M	U3b	J1a2a1a	AgranatTamirCell2020	1532-1285 calBCE	-1422	Levant_South_MLBA	Tel Megiddo	Israel
I2198	S2198.E1.L1	32.6	35	M	H5'36	J1a2a1a	AgranatTamirCell2020	1506-1431 calBCE	-1470	Levant_South_MLBA	Tel Megiddo	Israel
I10264	S10264.E1.L1	32.6	35	M	T1a	J1a2a1a	AgranatTamirCell2020	1881-1697 calBCE	-1800	Levant_South_MLBA	Tel Megiddo	Israel
ASH008	N5.14.Burial 226 [ASH	31.7	34.6	M	H2c	J1a2a1a	FeldmanSciAdv2019	1259-1020 calBCE	-1145	Levant_IA	Ashkelon	Israel
I2869	R02	30.3	79.7	M	H6b1	J1a2a1a	HarneyNatCommun2019	1671-1945 calCE	1807	India_Modern	Roopkund Lake	India
ASH066	38.74.L1066 [ASH007	31.7	34.6	M	T2c1c	J1a2a1a	FeldmanSciAdv2019	1376-1127 calBCE	-1234	Levant_IA	Ashkelon	Israel
VIL007	US324_CR3 Tomb 16	39.6	8.96	M	K1a3a	J1a2a1a	MarcusNatCommun2020	537-403 calBCE	-459	Punic	Villamar, VS	Italy
I1705	AG98_1	32	36	M	H14a	J1a2a1a	LazaridisNature2016	2198-1961 calBCE	-2079	Levant_BA	'Ain Ghazal	Jordan
I6461	BAQ3_9_3_1, B3.9 (3)	32.1	35.8	M	N1b1a	J1a2a1a	AgranatTamirCell2020	1450-1250 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
I8188	16/K/067/LB035	32.6	35	M	U2d	J1a2a1a	AgranatTamirCell2020	1800-1650 BCE	-1725	Levant_South_MLBA	Tel Megiddo	Israel
ALA004	45.72, Locus 03-3002	36.2	36.4	M	X2e2a	J2a1a1a	SkourtaniotiCell2020	1896-1746 calBCE	-1823	Levant_North_MLBA	Hatay Province	Turkey
I18520	S217	21.1	30.7	M	L2a1d1	J1a2a1a	SirakbioRxiv2021	650-1000 CE	825	Sudan_MA	Kulubnarti	Sudan
ALA018	42.29, 44, L. 237, AT 0	36.2	36.4	M	HV1b3b	J1a2a1a	SkourtaniotiCell2020	1499-1323 calBCE	-1432	Levant_North_MLBA	Hatay Province	Turkey
ALA035	45.45, Locus 7, AT 79	36.2	36.4	M	H20a	J1a2a1a	SkourtaniotiCell2020	1954-1772 calBCE	-1870	Levant_North_MLBA	Hatay Province	Turkey
I6464	BAQ3_11_3, B3.11 (3)	32.1	35.8	M	U3b1a	J1a2a1a	AgranatTamirCell2020	1550-1150 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
ALA002	45.71, Locus 03-3017,	36.2	36.4	M	N1a3a2	J1a2a1a	SkourtaniotiCell2020	1499-1398 calBCE	-1438	Levant_North_MLBA	Hatay Province	Turkey
JK2134	1605	29.9	31.2	M	J1d	J1a2a1a	SchuenemannNatCommun2017	787-546 calBCE	-659	Egypt_Pre_Ptolemaic	Abusir el-Meleq	Egypt
ALA001	45.71, Locus 03-3017,	36.2	36.4	M	X2	J1a2a1a	SkourtaniotiCell2020	1498-1322 calBCE	-1464	Levant_North_MLBA	Hatay Province	Turkey
ALA026	45.44, Locus 70, AT 65	36.2	36.4	M	T1a	J1a2a1a	SkourtaniotiCell2020	1746-1616 calBCE	-1677	Levant_North_MLBA	Hatay Province	Turkey
ERS1790733	SI-22	33.6	35.4	M	N1a3a	J1a2a1a	HaberAJHG2017	1950-1692 calBCE	-1825	Levant_BA	Sidon	Lebanon
R105	RMPR-105	41.9	12.5	M	T1a	J1a2a1a	AntonioScience2019	400-600 CE	500	Italy_LA	Crypta Balbi	Italy
I3705	S3705.E1.L2,S3705.E1	32.1	35.8	M	J1b2	J1a2a1a	AgranatTamirCell2020	1493-1304 calBCE	-1394	Levant_South_MLBA	The Baqah	Jordan
UGU006	AT-692	49.2	105	M	Z1a	J1a2a1a	JeongCell2020		-5	Xiongnu	Uguumur Uul, Selenge	Mongolia
BRU001	AT-154	45.9	115	M	D5b1b2	J1a2a1a	JeongCell2020		-5	Xiongnu	Baruun Khovdiin Am, Sukhbaat	Mongolia
I3985	S3985.E1.L3	32.1	35.8	M	N1b1a2	J1a2a1a	AgranatTamirCell2020	1415-1230 calBCE	-1330	Levant_South_MLBA	The Baqah	Jordan
I6569	S6569.E1.L1	32.1	35.8	M	T2c1a	J1a2a1a	AgranatTamirCell2020	1550-1150 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
I6460	BAQ3_8_3, B3.8 (3)	32.1	35.8	M	U4a1	J1a2a1a	AgranatTamirCell2020	1550-1150 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
R1547	RMPR-1547	42.1	12.6	M	K1a7	J1a2a1a	AntonioScience2019	27 BCE - 300 CE	136	Italy_Imperial	Monterotondo	Italy
SFI-44	SFI-1075, cxt 1593	33.9	35.5	M	T2c1+146	J1a	HaberAJHG2020	539-330 BCE	-435	Levant_Achaemenid	Beirut SFI-1075	Lebanon
SFI-34	SFI-1075, T5 cxt 1062	33.9	35.5	M	T1a2	J1a2a1a	HaberAJHG2020	540-330 BCE	-435	Levant_Achaemenid	Beirut SFI-1075	Lebanon
I3706	S3706.E1.L2,S3706.E1	32.1	35.8	M	L0f2b	J1a2a1a	AgranatTamirCell2020	1425-1284 calBCE	-1354	Levant_South_MLBA	The Baqah	Jordan
I6459	BAQ3_1_1, B3.1 (1)	32.1	35.8	M	T1a1	J1a2a1a	AgranatTamirCell2020	1386-1212 calBCE	-1284	Levant_South_MLBA	The Baqah	Jordan
I3703	S3703.E1.L2	32.1	35.8	M	U3b3	J1a2a1a	AgranatTamirCell2020	1550-1150 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
I3987	S3987.E1.L3	32.1	35.8	M	N2a1	J1a2a1a	AgranatTamirCell2020	1428-1290 calBCE	-1359	Levant_South_MLBA	The Baqah	Jordan
I6566	S6566.E1.L1	32.1	35.8	M	U3b	J1a2a1a	AgranatTamirCell2020	1550-1150 BCE	-1350	Levant_South_MLBA	The Baqah	Jordan
SFI-42	SFI-1075, T21	33.9	35.5	M	H2a	J1a2a1a	HaberAJHG2020	542-395 calBCE	-465	Levant_Achaemenid	Beirut SFI-1075	Lebanon
R835	RMPR-835	43.3	13.7	M	H2a5	J1a2a1a	AntonioScience2019	27 BCE - 300 CE	136	Italy_Imperial	Civitanova Marche	Italy
I4517	S4517.E1.L1	32.6	35	M	K1a	J1a2a1a	AgranatTamirCell2020	1109-923 calBCE	-1001	Levant_South_IA	Tel Megiddo	Israel
I10268	S10268.E1.L1	32.6	35	M	K	J1a2a1a	AgranatTamirCell2020	2010-1779 calBCE	-1903	Levant_South_MLBA	Tel Megiddo	Israel
I3965	S3965.E1.L1	33	35.6	M	HV1b3	J1a2a1a	AgranatTamirCell2020	1800-1600 BCE	-1700	Levant_South_MLBA	Hazor	Israel
I8187	16/K/067/LB034	32.6	35	M	H2a2a	J1a2a1a	AgranatTamirCell2020	1800-1650 BCE	-1725	Levant_South_MLBA	Tel Megiddo	Israel
I10093	S10093.E1.L1	32.6	35	M	N1b1	J1a2a1a	AgranatTamirCell2020	1900-1700 BCE	-1800	Levant_South_MLBA	Tel Megiddo	Israel
R1549	RMPR-1549	42.1	12.6	M	U5b2b3	J1a2a1a	AntonioScience2019	27 BCE - 300 CE	136	Italy_Imperial	Monterotondo	Italy
ETM012	TM.91.P.653/2 (P4)	35.8	36.8	M	T2c1+146	J1a2a1a	SkourtaniotiCell2020	2574-2467 calBCE	-2520	Levant_North_EMBA	Idlib Governorate	Syria
ETM001	TM.82/79.G.400	35.8	36.8	M		J1a2a1a	SkourtaniotiCell2020	1900-1800 BCE	-2000	Levant_North_EMBA	Idlib Governorate	Syria
R130	RMPR-130	41.9	12.5	M	H107	J1a2a1a	AntonioScience2019	300-500 CE	400	Italy_LA	Marcellino & Pietro	Italy
I12487	MOS329, IE-10-9	37.2	61	M	T2g1b	J1a2a1b	NarasimhanPattersonScience20	3400-2800 BCE	-3150	Turan_EN	Geoksyur	Turkmenistan
MJ-52	UT-4-17	48.7	73.7	M	A23	J1a2a1b	JärveCurrBiol2019	795-546 calBCE	-671	Tasmola	Aksu-Ayuly-4	Kazakhstan
I12481	MOS312, IE-10-52	37.2	61	M	HV12b1	J1a2a1b	NarasimhanPattersonScience20	3400-2800 BCE	-3150	Turan_EN	Geoksyur	Turkmenistan
I8504	MOS295, Geoksyur 1,	37.2	61	M	T2d2	J1a2a1b	NarasimhanPattersonScience20	3096-2919 calBCE	-3013	Turan_EN	Geoksyur	Turkmenistan
I8524	MOS319, Geoksyur 1,	37.2	61	M	U7a	J1a2a1b	NarasimhanPattersonScience20	3400-2800 BCE	-3100	Turan_EN	Geoksyur	Turkmenistan
I1784	Gonur tomb 2380 san	38.2	62	M	U7a2	J1a2a1b	NarasimhanPattersonScience20	2204-2027 calBCE	-2110	BMAC	Gonur	Turkmenistan
MMR001	Mayemer-II mound 1	49.2	84.9	M	C4a1a4a	J1a2a1b	GnecchiRusconeSciAdv2021	7th-5th c. BCE	-600	Steppe_Central_Nomad_I	Mayemer-II mound 1	Kazakhstan
I7715	BKG308, Feature 139,	34.8	72.4	M	M49	J1b*	NarasimhanPattersonScience20	1279-1389 calCE	1339	Swat_Med	Swat Valley, Barikot	Pakistan
I6549	Grave 51, T.50b (to be	34.8	72.4	M	M30	J1b	NarasimhanPattersonScience20	165-2 calBCE	-61	SPGT	Swat Valley, Butkara IV	Pakistan
I6550	Grave 51, T.50a (corre	34.8	72.4	M	U2a	J1b	NarasimhanPattersonScience20	42 calBCE - 108 calC	-26	SPGT	Swat Valley, Butkara IV	Pakistan

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon Sex	mtDNA-c+mtDNA-hapLocus	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-HF-FTDNA-mt-Haplotree	mt-Sim-rd.5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive SNP-subclosest NRY	Y-FAST-Simple	TTree	Y-Haplotree-Y-Haplotree-FT-FTDYfull	Y-Ht.SOGO2019	FTDNA-Y-Haplotree
SATP	Satsurblia	42.4 42.6	M	K3	K3	K3	K3	K3	K3	K			J		J (J? J-SINPs cf negative for J2 (21 SNPs checked, 12 n	J1b	J1b-FT32959	J-FT32959 J-FT32959	J-FT34521	J-M304>L210>FT32959
Ust_Ishim	Ustishim, Ust Ishim	57.7 71.1	M	R*	R*	R*	R*	R*	N	R			R		Haplotid 70(2 4-2)	R1b1a1a2	R1a-M420R*	R-M420R* R-M420R*	R-M420R*	R-M420R*
Oase1	Romania_Oase1	45.1 21.9	M	R1b1a1a2	R1b	R1b1a1a2	R1b1a1a2	R1b1a1a2	N	N		GB801A C954T	Xerneb Kendell	K (F2006/M269/L23/L11/L20/L22/L23/L23/L23

Object-ID	Collaposit-Skeletal	Lat/Long±	Sex	mtDNA-consH	mtFamilyDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YFTDNA-mt-Haplotype	mt-Sin-mt-S-HVS-1	HVS-II	HVS-III	mt-SNPs	Responsible-Y-DNA	Y-DNA	Y-SNP	SNP-positive SNP-negative SNP-dubious	Y-FamT-SNPs	TFree	Y-Haplotree-T-FTDTree-Y-FTDTreeID	Y-Haplotree	Y-SymY-SymbolResponsible-SNPs	Autosomes Damage-FAssessmentKinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
brn008	brn008_merged.ho3.f	52.2	117 M	34.97	0.38 D4	D4*	Haplogroup D4a	M+489+D+D4	D4	D		C3:6687 + C8!Ytull	ZP156	0.65	hsa1389	N1a-L839*	N-L839*	N-L839	Haplogroup N1a1a1a*	N+N1a1a1+D+L004+T0+T0d+V1d+V1d+K1d+K	N	N1a1a1	FTDNA/Ytull	M5181	Haplogroup N1a1a1a*	Siberia_Trans_Baikal_N	Trans-Baikal_Neolithic	Trans-Baikal_EH5_3000_BP	Kuenga River	Uvs/Khovsgol-1 st Russia
Brody1	Brody1	57.9	56.5	F	0.12 DK2	DK2	Haplogroup DK2	M+489+D+D+DK2	D4	D						N1a1a1a-A11	N-A11	N-A11	Haplogroup N1a1a1a*	N+N1a1a1+D+L004+T0+T0d+V1d+V1d+K1d+K	N	N1a1a1a	Haplogroup N1a1a1a*	Ciuliu5ynRo2020		219-378 (at AD, 170)	238.5	219	378	Ciuliu_Cris	Early Neolithic Culture, Phase I	Brody1	Romania	277	Romania
Bay2	Bajanovo277	59.2	57.7	F	0.07 T1a1	T1a1	Haplogroup T1a	T+T2c+T2e+T2e-T152C!+T2e!+T2e!+T2e	T1	T						N1a1a1a-A11	N-A11	N-A11	Haplogroup N1a1a1a*	N+N1a1a1+D+L004+T0+T0d+V1d+V1d+K1d+K	N	N1a1a1a	Haplogroup N1a1a1a*	Ciuliu5ynRo2020		770-875 (at AD, 121)	822.5	770	875	Uruk_Cis_EMA	Late Lomovatovo Culture	Bayanovo (Bojanovo)	Russia	277	Russia
brn002	brn002_merged.ho3.f	52.5	111 M	228.78	0.08 D4	D4*	Haplogroup D4	M+489+D+D+D4	D4	D		C3:6687 + C8!Ytull	ZP156	0.65	hsa1389	N1a-M2005*	N-M2005*	N-M2005	Haplogroup N1a1a1a*	N+N1a1a1+D+L004+T0+T0d+V1d+V1d+K1d+K	N	N1a1a1a	FTDNA/Ytull	G4218	Haplogroup N1a1a1a*	Siberia_Trans_Baikal_N	Trans-Baikal_Neolithic	Trans-Baikal_EH5_3000_BP	Sudakina River	Dnieru-Ocha-ba Russia
BIY005	Mountain Bitya #228	55	73.4 M	29.4524	0.13 D4j	D4j	Haplogroup D4j	M+489+D+D+D4+D4j	D4	D						C5!G3239:(rs6175616)*	C-T5!G239	C-T5!G239	Haplogroup C-T5!G178	N+N1a1a1+D+L004+T0+T0d+V1d+V1d+K1d+K+T0b+T0b+T0b

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	Y-Simple	YTree	Source	Date	Mean	Simplified_Culture	Location	Country
Niuheliang6		41	119			O3a	O2a	O2a	CuiBMCEvolBiol2013	4500-3000 BP	-1800	China_Hongshan	Niuheliang	China
JH19	M4	35.5	111			O3a	O2a	O2a	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH26		35.5	111			O3a	O2a	O2a	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH7	M3	35.5	111			O3a	O2a	O2a	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH3	M1	35.5	111			O3a	O2a	O2a	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
Dashanqian9		41.9	119			O3a3c	O2a	O2a	CuiBMCEvolBiol2013	3000-2700 BP	-900	China_LBA	Dashanqian	China
Dashanqian8		41.9	119			O3a3c	O2a	O2a	CuiBMCEvolBiol2013	3000-2700 BP	-900	China_LBA	Dashanqian	China
Dashanqian6		41.9	119			O3a	O2a	O2a	CuiBMCEvolBiol2013	3000-2700 BP	-900	China_LBA	Dashanqian	China
Dashanqian7		41.9	119			O3a	O2a	O2a	CuiBMCEvolBiol2013	3000-2700 BP	-900	China_LBA	Dashanqian	China
L5701	M18-2	26.2	119	M		O2a1 low coverage	O2a1	O2a-L465	YangScience2020	2468-2239 calBCE (3	-2375	China_East_LN	Fujian, Minhou, Xitoucun	China
I0626	VN33, 0.7.MB.H1.M1(	20.1	106	M	B5a1a	O	O2a1	O2a-CTS2483	LipsonScience2018	2200-1600 BCE	-1900	Vietnam_N	Man Bac	Vietnam
EDM124	..	42.1	119	M	B5b1a	O2a1c	O2a1	O2a-CTS2483	NingNatCommun2020	1687-1517 calBCE (3	-1594	China_LN	ErDaoJingZi	China
TUK002	AT-757	47.8	102	M	B5b2a2	O2a1c1a5 (O-M5420)	O2a1	O2a-Y16154	JeongCell2020		-5	Xiongnu	Tamiryn Ulaan Khoshuu (Burkh	Mongolia
KNN001	AT-754	46.9	112	M	Z3c	O2a1c1a5 (O-M5420)	O2a1	O2a-Y27894*	JeongCell2020		1350	Mongol	Khalgan Khoshuu (Zamyn Khast	Mongolia
DA43	XiongNu 96	42.5	105	M	D4a6	O3a	O2a1	O2a-MF2463	DamgaardNature2018	400 BCE - 100 CE	-150	Xiongnu	Siberia, Tungus & Eastern Stepp	Mongolia
MG9	M1106R1	35.8	104	M	M10	O3a2	O2a2	O2a-P201	LiBMCEvolBiol2017	4000 BP	-2040	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
MG3	M1073R4	35.8	104	M	D4	O3a2	O2a2	O2a-P201	LiBMCEvolBiol2017	4000 BP	-2040	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
MG18	M1110R4	35.8	104	M	D5	O3a2	O2a2	O2a-P201	LiBMCEvolBiol2017	4000 BP	-2050	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
I14931	M95	24.3	122	M	E1a1a1	O2a2	O2a2	O2a-P201*	WangNature2021	1-800 CE	400	Taiwan_LIA	Yilan, Hanben	Taiwan
RBC1		13.7	145	M	E2a*	O2a2-P201	O2a2	O2a-P201	PugachPNAS2021	2180 +/- 30 years ca	-230	Asia_South_East_Ancient	Ritidian site, Northern Guam	Guam
M3374		35.5	111	M	M9a	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2044		35.5	111	M	M9a	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2055		35.5	111	M	A	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
MG44	M1460R1	35.8	104	M	F	O3a2	O2a2	O2a-P201	LiBMCEvolBiol2017	4000 BP	-2040	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
R1		35.5	111		F	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi Province	China
M1007		35.5	111	M	F	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
R7		35.5	111		B	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi Province	China
M2055i		35.5	111	M	M	O3a3	O2a2	O2a-P201	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M8R1	M8R1	43.6	93.2	M	T1a1b	O2a2	O2a2	O2a-P201	NingCurrBiol2019	386-201 calBCE (223	-281	China_West_IA	Shirenzigou	China
MG53	M1103R7	35.8	104	M		O3a2	O2a2	O2a-P201	LiBMCEvolBiol2017	4000 BP	-2040	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
JH88	M22	35.5	111			O3a3	O2a2	O2a-P201	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH34	M10	35.5	111			O3a3	O2a2	O2a-P201	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH29	M7	35.5	111			O3a3	O2a2	O2a-P201	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH35		35.5	111			O3a3	O2a2	O2a-P201	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH5	M2	35.5	111			O3a3	O2a2	O2a-P201	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
I2726	VN51A, 05.MB.M24	20.1	106	M	F1a1a1	n/a	O2a2a	O2a-CTS3106	LipsonScience2018	2200-1600 BCE	-1900	Vietnam_N	Man Bac	Vietnam
Ma555	19555, KINABATANGA	5.61	118	M	B4b1a2	O2a2a1a2	O2a2a	O2a-M209	McCollScience2018	1505-1653 calCE (29	1572	Historical	Kinabatagan	Malaysia
Daxi7		31.1	110			O3d	O2a2a	O2a-M209	LiHumGenet2007	4400-3300 BC	-3850	China_N	Daxi	China
Daxi6		31.1	110			O3d	O2a2a	O2a-M209	LiHumGenet2007	4400-3300 BC	-3850	China_N	Daxi	China
Daxi3		31.1	110			O3d	O2a2a	O2a-M209	LiHumGenet2007	4400-3300 BC	-3850	China_N	Daxi	China
Daxi4		31.1	110			O3d	O2a2a	O2a-M209	LiHumGenet2007	4400-3300 BC	-3850	China_N	Daxi	China
Daxi5		31.1	110			O3d	O2a2a	O2a-M209	LiHumGenet2007	4400-3300 BC	-3850	China_N	Daxi	China
I3734	probably M162- L1 (B	24.3	122	M	E1a	O2a2a1a2	O2a2a	O2a-Y26422(pre-SK1713?)	WangNature2021	300-450 CE	375	Taiwan_LIA	Yilan, Hanben	Taiwan
SuogangB3	B3	23.5	120	M			O2a2b2	O2a-F871	YangScience2020	2850-2350 calBCE	-2600	China_East_LN	Suogang	China
TAN001	TAN001	-19.6	169	M	P1d1	O2a2b2a	O2a2b2	O2a-F15980(xSK1773)	PosthNatEcol2018	1661-1806 calCE (22	1748	Vanuatu_His	Urpiv, Malakula	Vanuatu
I8078	M155- L2	24.3	122	M	E1a1	O2a2b2	O2a2b	O2a-AM01861	WangNature2021	300-450 CE	375	Taiwan_LIA	Yilan, Hanben	Taiwan
I3612	M27- L4	24.3	122	M	E1a1a1	O2a2b2a2	O2a2b	O2a-AM01861	WangNature2021	100-200 CE	150	Taiwan_EIA	Yilan, Hanben	Taiwan
I14929	M92	24.3	122	M	B4a1a	O2a2b	O2a2b	O2a-AM01861	WangNature2021	1-800 CE	400	Taiwan_LIA	Yilan, Hanben	Taiwan
I3618	M50	24.3	122	M	R	O2a2b2a2	O2a2b2	O2a-F18855*	WangNature2021	1-800 CE	400	Taiwan_BA	Yilan, Hanben	Taiwan
I3614	M34- L3 (Bag1)	24.3	122	M	R	O2a2b2a	O2a2b2	O2a-SK1773	WangNature2021	1-800 CE	400	Taiwan_EIA	Yilan, Hanben	Taiwan
DA45	XiongNu 98	42.5	105	M	D4b2b2b	O3a3b2	O2a2b2	O2a-MF76414	DamgaardNature2018	172 calBCE - 3 calCE	-96	Xiongnu	Siberia, Tungus & Eastern Stepp	Mongolia
TaosiLongshan4		35.9	111			O3e	O2a2b1	O2a-M134	LiHumGenet2007	2500-1900 BC	-2200	China_N	Taosi	China
M344	M344	28.9	83.9	M	Z3a1a		O2a2b1	O2a-M134(M133?)	JeongPNAS2016	450 BCE - 100 CE	-175	Tibet_IA	Mebrak Tomb, Nepal	Nepal
M240	M240	28.9	83.9	M	M9a1a2		O2a2b1	O2a-M134	JeongPNAS2016	450 BCE - 100 CE	-175	Tibet_IA	Mebrak Tomb, Nepal	Nepal
LJM3	..	36.5	102	M	G1c1	O2a2b1a1a	O2a2b1	O2a-M133	NingNatCommun2020	2866-2237 calBCE (3	-2529	China_LN	LaJia	China
JCKM1-1	..	36.9	103	M	G3a2	O2a2b1a1a	O2a2b1	O2a-M133	NingNatCommun2020	2461-2208 calBCE (3	-2346	China_LN	JinChanKou	China
LGM41	..	33.9	114	M	M8a2b	O2a2b1a1a	O2a2b1	O2a-M133	NingNatCommun2020	250-50 BCE	-150	China_IA	LuoHeGuXiang	China
I1209	Popov69, Burial 2, Ske	45.9	135	M	D4a1e	O2	O2a2b1	O2a-M133	WangNature2021	1039-1224 calCE (88	1131	Russia_East_Med	Roshino-4, Primorsky Krai	Russia
LJM5	..	36.5	102	M	F1g	O2a2b1a1a	O2a2b1	O2a-M133	NingNatCommun2020	2050-1850 BCE	-1950	China_LN	LaJia	China
UGO002	AT-581	47.9	113	M	U5a1a1	O2a2b1a1 (O-Page23)	O2a2b1	O2a-M133(xCTS4658,xCTS506	JeongCell2020		1350	Mongol	Ugoomor, Dornod	Mongolia
S35	S35	28.9	83.9	M	M9a1a		O2a2b1	O2a-CTS4658	JeongPNAS2016	200-700 CE	450	Tibet_IA	Samdzong Tomb, Nepal	Nepal
M63	M63	28.9	83.9	M	M9a1a1c1b1a		O2a2b1	O2a-CTS4658	JeongPNAS2016	450 BCE - 100 CE	-175	Tibet_IA	Mebrak Tomb, Nepal	Nepal
S10	S10	28.9	83.9	M	M9a1a1c1b1a		O2a2b1	O2a-CTS4658	JeongPNAS2016	200-700 CE	450	Tibet_IA	Samdzong Tomb, Nepal	Nepal
C1	C1	28.9	83.9	M	D4j1b		O2a2b1	O2a-(pre-?)CTS5308	JeongPNAS2016	1200-450 BCE	-825	Tibet_BA	Chokhopani Tomb, Nepal	Nepal
ZAY001	AT-768	46.9	112	M	M9a1b2	O2a2b1a1a (O-F8)	O2a2b1	O2a-MF10232	JeongCell2020		1350	Mongol	Khalgan Khoshuu (Zamyn Khast	Mongolia
ULN011	AT-882	46.3	112	M	A2a3	O2a2b1a1a (O-F42; O-F8)	O2a2b1	O2a-CTS1304(xY20928)	JeongCell2020	1169-1260 CE	1216	Mongol	Ulaanzuukh, Sukhbaatar	Mongolia
DCZ-M21II	..	36.5	102	M	G2b1b	O2a2b1a1a2a	O2a2b1	O2a-F1754	NingNatCommun2020	120-248 calCE (1852	187	Han	DaCaoZi	China
I6367	AT_908, Grave #3, MC	48.3	89.5	M	C4a1	O2a2b1a1a	O2a2b1	O2a-F2137(xA16636,xF1442,x	WangNature2021	1259-1056 calBCE (2	-1166	Mongolia_MLBA	Bayan-Ulgii aimag, Tsengel sum, Biluut 2, barrow	Mongolia
MG48	M1103R3	35.8	104	M	D4	O3a2	O2a2b1	O2a-F2137	LiBMCEvolBiol2017	4000 BP	-2040	China_DiQiang	Mogou cemetery, Gansu, Ganqing region	China
SM-M6	SM-SGDLM6	38.6	110	M	D5a2a1b	O2a2b1a1a1a2a	O2a2b1	O2a-MF15397*	NingNatCommun2020	2884-2410 calBCE (4	-2639	China_LN	Shengedaliang	China
DEK001	AT-755,SHR001	47	112	M	R11a	O2a2b1a1a3a (O-F474; O-F317)	O2a2b1	O2a-Z25810	JeongCell2020		1350	Mongol	Shar Khad, Sukhbaatar	Mongolia
Vt778	20778, 72.NT.TS2	22.4	103	M	F1a1a1	O2a2b1a2a1	O2a2b1	O2a-CTS2643	McCollScience2018	800-551 calBCE (254	-698	Vietnam_LN	Nam Tun	Vietnam
EME003	AT-540	47.8	102	M	D5b1b2	O2a2b1a2a1 (O-F38	O2a2b1	O2a-CTS11192	JeongCell2020		-5	Xiongnu	Emeel Tolgoi, Arkhangai	Mongolia
I1137	VN39	20.1	106	M	M7b1a1	O2a1	O2a2b1	O2a-F3386	LipsonScience2018	1882-1742 calBCE (3	-1808	Vietnam_N	Man Bac	Vietnam
WD-WT1H16	..	34.2	113	M	N9a2	O2a2b1a2a1c	O2a2b1	O2a-F3386	NingNatCommun2020	2561-2458 calBCE (4	-2586	China_LN	WaDian	China
JXNTM2	..	35.2	113	M	A5b1b	O2a2b1a2a1a3b2b	O2a2b1	O2a-SK1769	NingNatCommun2020	1550-1050 BCE	-1300	China_BA	JiaoZuoNieCun	China
LJM14	..	36.5	102	M	A18	O2a2b1a2a1a3b2b1	O2a2b1	O2a-SK1769	NingNatCommun2020	2050-1850 BCE	-1950	China_LN	LaJia	China
Yana1	Yana1	70.7	135	M	U2'3'4'7'8'9	P1	PP284*	P1-FT344715*	SikoraNature2019	30250-29550 BCE	-29900	Palaeolithic	Yana RHS	Russia
GranCanaria23		27.9	-15.5			P*(xR1*)	P	P(xR1)	FregelBMCEvolBiol2009	1410 ± 60 to 750 ± 6	870	Canarias_Guanche	Gran Canaria	Spain
Andaman	HistAndaman	12.4	92.8	M	M*	P-P295	P*	P-F20148	MorenoMayarScience2018	1800-1920 CE	1860	Andaman_Hist	Andaman Islands	India
SN-56	SK, 257-76 Burial #8	33.3	-120	M	A2cb	n/a	P1	P1	ScheibScience2018	3650-2200 BCE	-2925	America_North_Ancient	San Nicolas Island, CA	Canada
SN-04	SDMM, 16732	33.3	-120	M	A2ca	n/a	P1	P1	ScheibScience2018	3081-2680 calBCE (4	-2892	America_North_Ancient	San Nicolas Island, CA	Canada
SN-60	SK, 28F-70 Burial #2	33.3	-120	M	A2cb	n/a	P1	P1	ScheibScience2018	2835-2206 calBCE (3	-2459	America_North_Ancient	San Nicolas Island, CA	Canada
I13958	AT_607, 991	47.7	106	M	H2a	n/a (<50000 SNPs)	P1	P1	WangNature2021	1023-912 calBCE (28	-968	Slab_Grave	Tuv aimag, Altanbulag sum, Erdenekhairkhan uul	Mongolia
AITI_36		48.2	10.8	M	J1c2c2	BT	P1	P1	MittnikScience2019	2011-1773 calBCE (3	-1886	CEU_EBA	Kleinaitingen – Gewerbegebiet AITI	Germany
I8571	ID4 (3.4)	40.1	0.11	M	K1a2c	P1 low coverage	P1	P1(xR1a)	OlaldeScience2019	1800-1000 BCE	-1400	Iberia_BA	Túmulo Mortorum, Cabanes, Castelló/Castellón,	Spain
I11748	ASOB1S3a	-38.4	-60.2	M	C1c	n/a	P1	P1	PosthCell2018	5460-5000 calBCE (6	-5230	America_South_Ancient	Argentina, Arroyo Seco II	Argentina
BC28	BC28	31.9	-116	M	C1c1		P1	P1	RaghavanScience2015	1200-1700 CE	1450	America_Central_Pre_Col	Southern tip of Baja California Peninsula	Mexico
I7026	AT_117, Grave #41, B	50	92.1	M	C4a1a+195	n/a (<50000 SNPs)	P1	P1(R1a?)	WangNature2021	355-170 calBCE (218	-272	Uyuk	Uvs aimag, Ulaangom sum, Chandman Uul, Ulaan	Mongolia
AM66		-49.7	-74	M	D4h3a		P1	P1	RaghavanScience2015	1800-1900 CE	1850	America_South_Recent	Patagonia, Chile	Chile
I1720		43.7	43.6	M	HV	?	P1	P1(Q;xR1a;xM269,xPF6292)	WangNatCommun2019	3700-3000 BCE	-3350	Maykop	Baksanenok	Russia
I1396	EA16	-14.3	-74.9	M	B2	n/a (not_enough_da	P1	P1	NakatsukaCell2020	1315-1410 calCE (62	1360	America_South_Pre_Colu	Pacapaccari, Laramate, Highlands	Peru
I3243	TDPAD-03	43.4	-5.98	M	U5a1a2b	P1	P1	P1	OlaldeScience2019	2500-2200 BCE	-2350	Iberia_CA	Cueva de la Paloma, Soto de las Regueras, Asturi	Spain
I6471	RISE700, sample #10,	40.5	-3.37	M	U5b1c1	CT(xI,xG,xE)	P1	P1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	La Magdalena, Madrid	Spain
I1789	Gonur 2013 Area 12 s	38.2	62	M	..	P	P1	P1	NarasimhanPattersonScience2(	2282-2028 calBCE (3	-2132	BMAC	Gonur	Turkmenistan
CUC001	8	23.1	-81.3	M	n/a (<2x)	n/a	P1	P1	NägeleScience2020	1400 BCE - 1300 CE	-50	America_Caribbean_Ancient	Cueva Calero	Cuba
I6622	RISE694, sample #4, A	40.4	-3.5	M	U5b1i	P1(xR1b1a1a2)	P1	P1-P226(xQ;xR1b-M269;xT)	OlaldeNature2018	2600-1700 BCE	-2150	Bell_Beaker	Camino de las Yeseras, Madrid	Spain
I11458	400, Grave 405	30.6	61.4	M	..	F	P1	P1/Q2a?	NarasimhanPattersonScience2(	3200-2100 BCE	-2650	Indus_Periphery	Seistan, Shahr-i Sokhta	Iran
I0721	378628	53	-169	M	D2a1a	CT	P1	P1-P284(xQ-L275,xQ-Z19128,x	FlegontovNature2019	350 calBCE - 110 cal	-120	Beringia_Ancient	Chaluka Midden, Umnak Island, Aleutian Islands	USA
RISE598	1755, bog find	54.4	23.3	M	H2a2		R1aM417	P1(R1a-M417?)	AllentoftNature2015	906-477 calBCE (25	-703	Baltic_BA	Turlojiske	Lithuania
I11916_I11917_I11	491, I11917, 492, I11	23.6	58.5	M	M9a1a1a or H2a2a1	Not reported	R1b	P1-P226(xLT;xN;xR1a;xR2;xVE	HarneyCheronetbioRxiv2020	5,650-5,150 ybp	-3450	Oman_BA	Ras al Hamra 5, Oman, Grave 2	Oman
VK180	Greenland F3; Greenl	61.2	-45.7	M	J1c3b		PP226	P1-P226	MargaryanNature2020	900-1200 CE	1050	Viking	Eastern Settlement	Greenland
RISE1283	Gjerrild8	56.5	10.8	M	K2a (99% confidence		R1b	P1-P226(xR1a)	EgfjordPLoSONE2021	2576-2346 calBC	-2461	Corded_Ware	Gjerrild	Denmark
ELW031		49	10.1	M	T1a1b		PP226	P1-P226	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	CEU_EM	Ellwangen	Germany
AIG001	Aigyrly sanctuary ind	43.7	51.3	M	U4a1	P1(P-P243,P-M45)	PP226	P1-P226	GnecchiRusconeSciAdv2021	5th-4th c. BCE; Savrc	-400	Sarmatian	Aigyrly sanctuary individual 1	Kazakhstan
I4319	KZ-KAR-010, Kairan I,	48.7	77	M	..	BT	PP226	P1-P226	NarasimhanPattersonScience2(	1749-1617 calBCE (3	-1682	Steppe_LBA	Kairan	Kazakhstan
X07	AM 365: T15	59.5	25.5	U	..		PP226	P1-P226	SaagCurrBiol2019	1200-800 BCE	-1000	Baltic_LBA	Muuksi, Harju, EST	Estonia
Yana2	Yana2	70.7	135	M	U2'3'4'7'8'9	P1	P1*	P1-FT344716*	SikoraNature2019	30250-29550 BCE	-29900	Palaeolithic	Yana RHS	Russia
18365		-25.8	-65.4	M	A2	Q (Y-STR Haplotype 85.4%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern IV	Argentina
Khazar619		47.5	42.2	M	H1a3	Q	Q	Q	KornienkoHumGenet2021 from MikheyevbioRxiv2019	end VII-early VIII	750	Khazar	Dubovsky	Russia
UID_1994.055.02		53.1	103	M	G2a	Q-M242	Q	Q	MoussaJArchaeolSciRep2016	5570-3725 cal BP	-2698	Siberia_Cis_Baikal_LN	Ust'-Ida cemetery, Angara River Valley	Russia
EI7	EI	52.8	84.3	M	C	Q	Q	Q	Hollard2014	2300-1700 BC	-2000	Siberia_West_BA	Teleytskiy Vzvoz-I, Altai	Russia
PW4		35.9	107	M	C	Q	Q	Q	ZhaoJHumGenet2010	770 - 256 BC	-513	China_IA	Wangdahu, Pengyang, southern Ningxia	China
KUR_2003.017		53.1	107	M	D	Q-M242	Q	Q	MoussaJArchaeolSciRep2016	5570-3725 cal BP	-2698	Siberia_Cis_Baikal_EBA	Kurma XI cemetery, Lake Baikal Little Sea micro-	Russia
KUR_2003.018		53.1	107	M	D	Q-M242	Q	Q	MoussaJArchaeolSciRep2016	5570-3725 cal BP	-2698	Siberia_Cis_Baikal_EBA	Kurma XI cemetery, Lake Baikal Little Sea micro-	Russia
PW6		35.9	107	M	D4	Q	Q	Q	ZhaoJHumGenet2010	770 - 256 BC	-513	China_IA	Wangdahu, Pengyang, southern Ningxia	China
PZ2		35.9	107	M	D4	Q	Q	Q	ZhaoJHumGenet2010	770 - 256 BC	-513	China_IA	Zhongzhuang, Pengyang, southern Ningxia	China
PW5		35.9	107	M	D4	Q	Q	Q	ZhaoJHumGenet2010	770 - 256 BC	-513	China_IA	Wangdahu, Pengyang, southern Ningxia	China
17885		-25.8	-65.4	M	D1	Q (Y-STR Haplotype 60.8%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern IV	Argentina
18417		-25.8	-65.4	M	D1	Q (Y-STR Haplotype 100%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern IV	Argentina
18432		-25.8	-65.4	M	D1	Q (Y-STR Haplotype 99.9%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, El Litro	Argentina
17895		-25.8	-65.4	M	D1	Q (Y-STR Haplotype 62.4%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, El Litro	Argentina
17825		-25.8	-65.4	M	B2	Q (Y-STR Haplotype 99.9%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern II	Argentina
17891		-25.8	-65.4	M	B2	Q (Y-STR Haplotype 61.7%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern V	Argentina
17886		-25.8	-65.4	M	B2	Q (Y-STR Haplotype 88%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Los Aparejos	Argentina
17838		-25.8	-65.4	M	B2	Q (Y-STR Haplotype 99.9%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, El Litro	Argentina
17890		-25.8	-65.4	M	B2	Q (Y-STR Haplotype 99.5%)	Q	Q	CarneseAmJPhysAnthropol2010	400–650 AD	525	America_South_Pre_Colu	Pampa Grande (Salta Province, Cavern V	Argentina
I0979	13272A	-16.6	-68.7	M	B2	Q-M242	Q	Q	NakatsukaCell2020	650-1000 CE	825	America_South_Pre_Colu	Tiwanaku	Bolivia
IO1	NA	-18	-67.2	M	B2	Q-M242	Q	Q	NakatsukaCell2020	690-995 calCE (1160	860	America_South_Pre_Colu	Ouro	Bolivia
TU31	Maf	49	88.2	M		Q	Q	Q	HollardForensicSciIntGenet2014	1400-800 BC	-1100	Altai_MLBA	Takhilgat Uzuur-5, North Altai	Mongolia
EG112		49.6	103	M		Q	Q	Q	PetkovskiICS2006	300 BC-200 AD	-50	Xiongnu	Egyin Gol Valley	Mongolia
I6939	R53	30.2	79.7		H1		Q2a	Q2a-L245	HarneyNatCommun2019	1681-1940 calCE (13	1822	India_Modern	Roopkund Lake	India
DAR001	AT-766	47.9	107	M	F1b1f	Q1b2 (Q-Y1151; Q-Y1150)	Q2b	Q2b	JeongCell2020	750-407 BCE	-576	Slab_Grave	Dartsagt, Ulaanbaatar	Mongolia
I7493	UZ-ST-010, Sappali Te	37.4	66.8	M	U2e2a1d	Q1b2	Q2b	Q2b(xYP4500,xYP3943)	NarasimhanPattersonScience2(	2000-1600 BCE	-1800	BMAC	Sappali Tepe	Uzbekistan
I13228	Grave 168, single buri	34.8	72.4	M	M5a	Q1b2	Q2b	Q2b(xYP4500,xYP755)	NarasimhanPattersonScience2(	1000-800 BCE	-900	SPGT	Swat Valley, Loebanr	Pakistan
I5400	Grave 170, single buri	34.8	72.4	M	M5a	Q1b2	Q2b	Q2b(xYP4500,xYP755)	NarasimhanPattersonScience2(	928-827 calBCE (274	-874	SPGT	Swat Valley, Loebanr	Pakistan
I7718	Grave 5, Individual 2 i	34.8	72.4	M	K1b1a1+199	Q1b2	Q2b*	Q2b*	NarasimhanPattersonScience2(	400-200 BCE	-300	SPGT	Swat Valley, Saidu Sharif	Pakistan
DA127	IS8	43	79.4	M	D4b1a2a1		Q2b	Q2b-YP4495(xBY185924)	DamgaardNature2018	214-528 calCE (1722	334	Hun	Tian Shan	Kazakhstan
NEO243	NEO243	66	-170	M	A2a2	Q1	Q1	Q1	SikoraNature2019	376-119 calBCE (218	-259	Beringia_IA	Ekven	Russia
BIY010	Mountain Bitiya #228	55	73.4	M	H2a1	Q1a(Q-M1155,Q-L47	Q1	Q1	GnecchiRusconeSciAdv2021	3rd-2nd c. BCE; Sargat hor	-200	Sargat	Mountain Bitiya #228/26	Russia
I10333	S10333.E1.L1	17.9	-71.7	M	D1	Q1	Q1	Q1	FernandesSirakNature2020	1300 BCE - 200 CE	-550	America_Caribbean_Archa	Cueva Roja	Dominican Rep
Khvalynsk2	Khvalynsk II Grave ?	52.4	48.1		U2e1b		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
Khvalynsk8	24	52.4	48.1		U2e1b		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
I0434	Khvalynsk II Grave 17,	52.4	48.1	M	U4d+16240	Q1a	Q1	Q1(xM25,xM346)	MathiesonNature2015	5198-4853 calBCE (6	-4975	Khvalynsk	Khvalynsk, Volga River, Samara Grave 17	Russia
Khvalynsk1	Khvalynsk II Grave ?	52.4	48.1		U4d+16240		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
Khvalynsk3	Khvalynsk II Grave ?	52.4	48.1		U5a1i		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
Khvalynsk9	Khvalynsk II Grave ?	52.4	48.1		n/a		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
Khvalynsk10	34	52.4	48.1		n/a		Q1	Q1(xM25,xM346)	AnthonyJIES2019 and AnthonyBrownCopenhagen2021		-4611	Khvalynsk	Khvalynsk II, Volga River, Samara	Russia
KhlopkovBugorQ1	Reference	51.6	46.6	M		Q1a2	Q1	Q1	AnthonyBrill2019	4500 BC	-4500	Khvalynsk	Khlopkov Bugor	Russia
KhlopkovBugorQ2	Reference	51.6	46.6	M		Q1a2	Q1	Q1	AnthonyBrill2019	4500 BC	-4500	Khvalynsk	Khlopkov Bugor	Russia
I14009	PUK6 T1	-17.8	-69.3	M	B2	Q-MEH2 (Q1a)	Q1b	Q1(b-Z5906?)	NakatsukaCell2020	1155-1260 calCE (89	1200	America_South_Pre_Colu	Atacama Desert, Precordillera	Chile
NE45	AR9.2K_o	45.7	127	M	G1a1a	P	Q1	Q1a(xB143,xM120,xM25)	MaoCell2021	9,425–9,029 calBP	-7277	Asia_East_EN	Southern bank of the Songhua River	China
AC7		46.9	20.6		C4a1a4a		Q1a	Q1a	CsákyNature2020	2nd half 7th c.	675	Avar	Szarvas-Kovácshalom	Hungary
Sopka2		55	75	M	D4b1a		Q1a	Q1a	PilipenkoArcheolEthnolAnthropolEurasia2018	IV-V c. AD	400	Hun_Sarmatian	Baraba forest-steppe	Russia
OLN001.B	AT-871,OLN001.A and	47.1	102	M	B5b1a	Q1a1 (Q-F1215; Q-F1096)	Q1a	Q1a	JeongCell2020		792	Turkic	Olon Dov, Arkhangai	Mongolia
KeF1/10936	KeF1per10936	48.2	21.5	F	C4b	Q1a	Q1a1	Q1a(xM25)	NeparáczkiSciRep2019	895- mid Xth c.	925	Magyar	Kenézlő-Fazekaszug I/10936	Hungary
HQHM4		47.4	124	M	D4b2a	Q1a1a, F1907-	Q1a1	Q1a-F746(xM120)	CuiEvolHumSci2020	ca. 4000 BP	-2000	Asia_East_LN	Honghe	China
MUR009		55.3	50.1	M	U5a1d2	Q-L472>F1096>F746*	Q1a1	Q1a-F746	KeyNatEcolEvol2020	6500-6350 cal BP	-4475	Europe_East_N	Murzikhinsky II	Russia
AfontovaGora2	AfontovaGora2 (AG-2	56	92.9	M	..	Q1a1	Q1a1*	Q1a-F746*	FuNature2016	15001-14640 calBCE	-14760	Palaeolithic	Afontova Gora 2	Russia
I10427	NiNg-1	69.4	-106	M	D2a1	Q1a1	Q1a1b	Q1a-B143	FlegontovNature2019	50-340 calCE (2325±	195	America_North_Ancient	Buchanan site, Victoria Island, Nunavut	Canada
MARC1491	MARC1491	50.8	-56.1	M		..	Q1a1b	Q1a-B143	RaghavanScience2014	1-800 CE	400	America_North_Ancient		Canada
I7342	NEO248, Mos91	66.2	-170	M	A2a	BT	Q1a1b	Q1a-Z36017	FlegontovNature2019 and Siko	348 calBCE - 24 calC	-112	Beringia_IA	Ekven	Russia
I20756_I20778	Mos92, I20778	66.2	-170	M	A2a	Not reported	Q1a1b	Q1a-Z36017	HarneyCheronetbioRxiv2020	1,030-790 ybp	1040	Beringia_EMA	Ekven, Russia	Russia
I7337	Mos112	66.2	-170	M	A2a2	Q1a1	Q1a1b	Q1a-Z36017	FlegontovNature2019	620-980 calCE (2055	800	Beringia_EMA	Ekven, Chukotka	Russia
NEO250	NEO250	66	-170	M	A2b1	Q1a1b	Q1a1b	Q1a-Z36017	SikoraNature2019	354-51 calBCE (2149	-192	Beringia_IA	Ekven	Russia
I7348	Mos96	66.2	-170	M	A2b1	Q1a1	Q1a1b	Q1a-Z36017	FlegontovNature2019	630-860 calCE (2090	745	Beringia_EMA	Ekven, Chukotka	Russia
Kolyma1	Kolyma1	68.6	159	M	G1b	Q1a1a	Q1a1b	Q1a-pre-Z36017	SikoraNature2019	7952-7658 calBCE (8	-7825	Yakut_HG	Duvanni Yar	Russia
NEO241	NEO241	66	-170	M	D4b1a2a1	Q1a1	Q1a1b	Q1a-Z36017	SikoraNature2019	101 calBCE - 117 cal	1	Beringia_IA	Ekven	Russia
I20757_I20779	Mos94, I20779	66.2	-170	M	D4b1a2a1	Not reported	Q1a1b	Q1a-Z36017	HarneyCheronetbioRxiv2020	1,380-1,010 ybp	755	Beringia_EMA	Ekven, Russia	Russia
I7346	Mos94	66.2	-170	M	D4b1a2a1	Q1a1	Q1a1b	Q1a-Z36017	FlegontovNature2019	620-990 calCE (2050	805	Beringia_EMA	Ekven, Chukotka	Russia
Inuk	Saqqaq, EU725621.2,	69.2	-53.5	M	D2a1	Q1a1a	Q1a1b	Q1a-Z36017	RasmussenNature2010	2220-1650 calBCE (4	-1935	Greenland_Saqqaq	Qeqertasussuk	Greenland
I1126	378622	53	-169	M	D2a1a	Q	Q1a1b	Q1a-Z36017	FlegontovNature2019	730-1240 calCE (183	985	Beringia_EMA	Chaluka Midden, Umnak Island, Aleutian Islands	USA
LateDorset-XIV-H_	XIV-H-126, XIV-H:126	75.2	-82.9	M	..	Q1a1	Q1a1b	Q1a-Z36017	RaghavanScience2014	800-1500 CE	1150	America_North_Ancient		Canada
XIV_C_748	XIV-C-748, XIV:C-748	64.5	-84.5	M	..	P1	Q1a1b	Q1a-Z36017	RaghavanScience2014	1100-1600 CE	1350	America_North_Ancient		Canada
I13505	NBP_BSA_SG.2(B), 81	46.4	101	M	A+152+16362	Q1a1a1	Q1a1a	Q1a-(pre-?)M120	WangNature2021	1124-939 calBCE (28	-1051	Mongolia_MLBA	Bayankhongor aimag, Erdentsogt sum	Mongolia
TUK26		47.8	102	M	J2a1a1	Q1a1a-M120	Q1a1a	Q1a-M120	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery grave 26	Mongolia
TUK43		47.8	102	M	G2a1d2	Q1a1a-M120	Q1a1a	Q1a-M120	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery grave 43	Mongolia
I6353	AT_233, AT-233, Grav	46.9	103	M	G2b2	Q1a1a1	Q1a1a	Q1a-(pre-?)M120(FT9308?)	WangNature2021	1010-901 calBCE (27	-952	Slab_Grave	Uvurkhangai, Khujirt sum, Shunkhlai Uul, Tomb 9	Mongolia
M3046		35.5	111	M	D4	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2084		35.5	111	M	D4	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2049		35.5	111	M	D4	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
MIT001	AT-975	47.3	106	M	D1j	Q1a1a1 (Q-M120)	Q1a1a	Q1a-M120(xF4743,xFT11089)	JeongCell2020	1181-952 BCE	-1064	Slab_Grave	Morin Tolgoi, Tuv	Mongolia
I12972	AT_887, 701	46.8	112	M	D4i	Q1a1	Q1a1a	Q1a-M120	WangNature2021	1488-1308 calBCE (3	-1397	Ulaanzukh	Sükhbaatar aimag, Tuvshinshiree sum, Adgiin gol	Mongolia
I6349	LAB1, ULUN_LAB1	45.3	114	M	D4m2	Q1a1a1	Q1a1a	Q1a-(pre-?)M120(FT9308?)	WangNature2021	898-800 calBCE (267	-831	Slab_Grave	Sükhbaatar aimag, Dariganga sum, Baaran-Khavt	Mongolia
M2045		35.5	111	M	M9a	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2286		35.5	111	M	A	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M3327		35.5	111	M	N9a	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
I6352	AT_232, Grave #1, MC	46.9	103	M	F1b1b	Q1a1a	Q1a1a	Q1a-(pre-?)M120	WangNature2021	1107-924 calBCE (28	-999	Slab_Grave	Uvurkhangai, Khujirt sum, Shunkhlai Uul, Grave #	Mongolia
I12969	AT_979, 698	47.2	109	M	F1b1+@152	Q1a1a1	Q1a1a	Q1a-(pre-?)M120	WangNature2021	1124-939 calBCE (28	-1051	Slab_Grave	Khentii, Delgerkhaan sum, Khanan 3	Mongolia
M3170		35.5	111	F	B	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M3016		35.5	111	M	M	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M3336		35.5	111	M	M	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2036		35.5	111	M	M	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
M2158		35.5	111	M	M	Q1a1	Q1a1a	Q1a-M120	ZhaoPLoSONE2015	ca. 3000 YBP	-1000	China_IA	Hengbei, Jiang County, Shanxi F	China
TUK01		47.8	102	M	T2b3+151	Q1a1a-M120	Q1a1a	Q1a-M120	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery grave 01	Mongolia
TUK20		47.8	102	M	U2e2a1	Q1a1a-M120	Q1a1a	Q1a-M120	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery grave 20	Mongolia
M15-2	M15-2	43.6	93.2	M	U4	Q1a1a1	Q1a1a	Q1a-M120	NingCurrBiol2019	400-200 BCE	-300	China_West_IA	Shirenzigou	China
TUK44		47.8	102	M	U5a1+@1	Q1a1a-M120	Q1a1a	Q1a-M120	KeyserHumGenet2020	first century BC - firs	1	Xiongnu	Tamir Ulaan Khoshuu cemetery grave 44	Mongolia
JH72	M16	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH62	M14	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH25	M6	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH81	M18	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH75	M17	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH40	M12	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH31	M9	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH86	M20	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH30	M8	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH85	M19	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
JH69	M15	35.5	111			Q1a1	Q1a1a	Q1a-M120	ZhaoAmJHumBiol2014	ca. 3000 YBP	-1000	China_IA	Hengbei, Central Plain	China
BUL002	AT-922	46.3	112	M	M10a1b	G2a2b2a1a1c1a2a1a	Q1aF4743	Q1a-F4743(xMF14529,xF4528	JeongCell2020		-1300	Mongolia_MLBA	Bulgiin Ekh, Sukhbaatar	Mongolia
I14037	AT_923, 1000	46.8	112	M	M11b	Q1a1a	Q1aF4743	Q1a-F4743	WangNature2021	1422-1292 calBCE (3	-1356	Ulaanzuukh	Sükhbaatar aimag, Tuvshinshiree sum, Bulgiin ek	Mongolia
BUL001	AT-923	46.3	112	M	M11b	Q1a1a1 (Q-M120)	Q1aF4743	Q1a-F4743(xMF14529,xF4528	JeongCell2020	FAIL	-1300	Mongolia_MLBA	Bulgiin Ekh, Sukhbaatar	Mongolia
ARS015	2007-23	49.7	99.7	M	G3a	Q1a1 (Q-Y706;Q-F10	Q1aF4743	Q1a-F4743	JeongPNAS2018	1431-1128 calBCE (3	-1305	Altai_MLBA	Arbulag soum, Khövsgöl aimag	Mongolia
I12960	AT_248, 685	46.9	103	M	C4a1a+195	Q1a1	Q1aF4743	Q1a-F4743	WangNature2021	1441-1304 calBCE (3	-1382	Ulaanzukh	Uvurkhangai, Khujirt sum, Shunkhlai Uul, Tomb 2	Mongolia
XW-M1R18	..	34.6	111	M	D4g2a1	Q1a1a1	Q1aF4743	Q1a-Y144860*	NingNatCommun2020	5302-4705 calBCE (6	-4977	China_MN	XiaoWu	China
ULN007	AT-883	46.3	112	M	D4b1a2	Q1a1 (Q-F1096)	Q1aF4743	Q1a-FT394800	JeongCell2020		-1300	Mongolia_MLBA	Ulaanzuukh, Sukhbaatar	Mongolia
ULN001	AT-823	46.3	112	M	D5a2a1b	Q1a1a1 (Q-M265; Q-M120)	Q1aF4743	Q1a-FT394800	JeongCell2020	1322-1209 BCE	-1313	Mongolia_MLBA	Ulaanzuukh, Sukhbaatar	Mongolia
ALN001	Alai / Nura I, II, Tuyuk	41.4	71.5	M	U7	Q1a1a1(Q-M265,Q-M120)	Q1aF4743	Q1a-FT394800	GnecchiRusconeSciAdv2021	244-380 calAD	312	Steppe_Central_Nomad_I	Alai / Nura I, II, Tuyuk II Burials #360/1	Kyrgyzstan
cim358		46.4	29.5	M	C5c (50%)	Q1a1	Q1aF4743	Q1a-F4528	KrzewińskaSciAdv2018	971-808 calBCE (273	-872	Cimmerian	Glinoe Sad	Moldova
UUS002	AT-610	49.4	100	M	X2d1	Q1a1a1 (Q-M265; Q-M120)	Q1aF4743	Q1a-YP6137(xFT37570, xSK19	JeongCell2020	1287-1395	1338	Mongolia_LMA	Uushigiin Uver, Khuvsgul	Mongolia
IMA006	2007 Mogila 77	50.5	106	M	A24	Q1a1a1	Q1aFT9308	Q1a-FT9308*(pre-F11089?)	JeongCell2020		-5	Xiongnu	Il'movaya Pad, Buryatia	Russia
SHU001	AT-233	46.9	103	M	G2b2a	Q1a1a1 (Q-M120)	Q1aFT9308	Q1a-FT9308*(pre-F11089?)	JeongCell2020	1056-903 BCE	-981	Slab_Grave	Shunkhlai Mountain, Uvurkhan	Mongolia
BIR010	Birlik mound 21	51.1	75.7	M	D4b1	Q1a1(Q-F1215,Q-F1096)	Q1aFT9308	Q1a-FT9308	GnecchiRusconeSciAdv2021	7th-6th c. BCE; Tasm	-600	Tasmola	Birlik mound 21	Kazakhstan
I20760_I20782	Mos111, I20782	66.2	-170	M	C4	Not reported	Q1a2	Q1a-(pre-M25/L712?)	HarneyCheronetbioRxiv2020	6,350-6,260 ybp	-4355	Russia_East_HG	Ekven, Russia	Russia
I7336	Mos111	52.9	104	M	C4a'b'c	Q1a1b	Q1a2	Q1a-M25(L712?)	FlegontovNature2019	4350-4260 calBCE (5	-4305	UstBelaya_N	Ust'-Belaya II, Angara river	Russia

Objects-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon Sec	mtDNA-cons	mtFAMilDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-YFTDNA-mt-Haplotree	mt-Sin-ns6-SVS-!	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive SNP-negative SNP-dubious	NRY	Y-FAMT-Simple	YTree	Y-Haplotree-! Y-Haplotree-!! FTDnA-!! YFull	Y-Haplotree-!!! Y-FTDnA-!!!	Y-Haplotree	FTDNA-!-Haplotree	Y-SpecNT-SymbolResponsible-SNPs	Autosomo-Damage-!Assessme-!Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Simplified_Culture	Culture_Grouping	Culture	Area	Location	SiteID	Country
Hum71	Hunperi 1	46.6	24.6											G1a2	M25		0.06 G1a2	G1a	G1a-M25	G-M25	G-M25	G-M25	G-M25	G-M25	G-M25>M2>M3>M5													Hun	Hun	Singenging de Murea/1	Hungary
I12134	Grave 136, individual	34.8	72.4	M										G1a2b1	G>M92>P1>P106>M27>M275>P127>P143>P150>P15	*	0.07 G1a2b1	G1a	G1a-P150*	G-P150*	G-P150*	G-P150*	G-P150*	G-P150*	G>M92>P1>P106>M27>M275>P127>P143>P150													Pakistan_Loebanr_IA	Loebanr_IA	Loebanr, IA	Pakistan
I8506	MOS308, 1955, Kolech	40.5	65 M											G1a2b2b*	M25>L712>P143>P150>P15	*	0.34 G1a2b2	G1a	G1a-P4705*	G-P4705*	G-P4705*	G-P4705*	G-P4705*	G-P4705*	G>M92>P1>P106>M27>M275>P127>P143>P150													Uzbekistan_Kolocha	Kolocha 3	Kolocha 3	Uzbekistan
X3	X3	43.6	61.2 M											G1b	P5400		0.23 G1b2	G1b	G1b-P5400	G-P5400	G-P5400	G-P5400	G-P5400	G-P5400	G>M92>P1>P5400													China_Xinjiang_IA_sp_02	Shirenaigou	China
R1b1b63	7053-191	53.7	90.4 F											G1a1b1c1	FTDNA: R1b1b63 and R1b1b63 share clade G-FT394000 with a		0.38 G1a1	G1a1	G1a-FT394000	G-FT414149	G-FT414149	G-FT414149	G-FT8832*	G>M92>P1>FT394000>FT414149													Uybat_IV	Uybat V	Uybat V	kurgan 4, grave 4	Russia
I9022	AT_60, Grave #11, N-	50	92.1 M		547	0.27 C4a1a+195	C4a1a+195C	C4a1a+195C						G1a1b1	G1a1b1b1 M25>L712>P143>P833 level: YP784 AnC		1.47 G1a1	G1a1	G1a1-FT394000	G-FT414149	G-FT414149	G-FT414149	G-FT8832*	G>M92>P1>FT394000>FT414149													Mongolia_EIA_Sagly_4	Uyu	Uyu amag, Ulaanegum sum, Chandman Uul, Ulaanbaatar	Mongolia	
R1b1b493	7332-45 Karasuk_sakt	53.2	91.1 M			0.42	C4a2c	C4a2c						G1a1b1b1b	Milan Rajevac: G1a-FT394000, R1b1b493 and Y-full: L712 > Y11672 > Y17841 > Y21089 >		0.37 G1a1	G1a1	G1a1-FT394000	G-FT414149	G-FT414149	G-FT414149	G-FT8832*	G>M92>P1>FT394000>FT414149													Russia_Karasuk_sMSE.SG	Sabinka 2	Russia		
I2486	Ryr 53	42.1	77 M			0.23	C4b1	C4b1						C4	G4b1T5		0.66 C4	C4	G4-L715>G4>FT41471,FT41473	G-L715	G-L715	G-L715	G-L715	G-L715	G>M92>P1>L715													Kyrgyzstan_Turk.SG	Kyrgyzstan_Turk.SG	Kyrgyzstan	Kurgan n- 16	Shu/Fergyzstan
I2454	Ryr 22	41.4	75.3 M			0.15	C4+152>18093	C4+T152C!>T16093C	C4-a1					C4	C4		1.28 C4	C4	G4	28608 0.12 G1a2a1	G1a2a1	G1a2a1>FT41471,FT41473	G-L715	G-L715	G-L715	G>M92>P1>L715>FT41471													Kyrgyzstan_Tian Shan_Ou	Tian Shan	Kyrgyzstan	Kurgan n- 670	Kilkyrgyzstan
I2123	Ryr 63	42.2	77.4 M			0.59	F1b1+@152	F1b1+C152!T	F1b1-C152T!					F1	F1		1.74 F1	F1	G1a-M9>G1a2>FT41485,FT41487,FT41489	G-L715	G-L715	G-L715	G-L715	G-L715	G>M92>P1>L715>FT41485													Kyrgyzstan_Tian Shan_Ou	Tian Shan	Tian Shan	Kurgan n- 670	Kilkyrgyzstan
R1b9100	13-1, grave 20 Russia	50.2	85.7 M			0.31	K2a5	K2a5	K2a5					K2	K		0.32 K2	K2	G1a2	M25	L713	G9919 0.51 G1a2a1	G1a2a1	G1a2a1>FT41471,FT41473	G-L715	G-L715	G-L715	G>M92>P1>L715>FT41471													Tian Shan	Kyrgyzstan_Tian Shan_Ou	Tian Shan	Kurgan n- 570	Kilkyrgyzstan
R1b9303	18-1, grave 35	50.2	85.7 M			0.61	M9a1	M9a1*						Y9full			0.64 G1a2	G1a2	G1a2-FT41471	G-FT41471	G-FT41471	G-FT41471	G-FT41471	G-FT41471	G>M92>P1>L715>FT41471													Tian Shan_Ou	Tian Shan	Tian Shan	Kurgan n- 35	Shu/Fergyzstan
D474	Ryr 42	41.5	75.8 M			0.22	H7b	H7b						H7	H		0.25 H7	H7	G1a2-L713	G-L713	G-L713	G-L713	G-L713	G-L713	G>M92>P1>L713													Kyrgyzstan_TianShan_Ou	Tian Shan	Tian Shan	Kurgan n- 370	Kilkyrgyzstan
MR20A	Bered 2017_69	49.3	85.8 M			93.77	G1a4	G1a4						G1a	G1a1b1a	L715	0.45 G1a1	G1a1	G1a1-M9>G1a2>FT41485,FT41487,FT41489	G-L715	G-L715	G-L715	G-L715	G-L715	G>M92>P1>L715>FT41485													Xiaohe_Hun_Bered_300CE	Bered 300_CE	Bered 300_CE	Kazakhstan	
BR0211	Bered 2018_90	49.3	85.8 M			46.51	G1b	W3a1						W3	W		0.15 W3a1	G1b	G1b-FT41485	G-FT41485	G-FT41485	G-FT41485	G-FT41485	G-FT41485	G>M92>P1>L715>FT41485													Xiaohe_Hun_Bered_300CE	Bered 2018_90	Bered 300_CE	Kazakhstan	
I3k-351	Kaz_Bronze1_1750_1	33.1	-120 M			0.33	A2	A2						A2	A		0.34 A2	A2	G1b	G-L714	G-L714	G-L714	G-L714	G-L714	G>M92>P1>L714													Kaz_Bronze1_1750_1	Kaz_Bronze1_1750_1	Kaz_Bronze1_1750_1	Kazakhstan	
I10759	510759.E1.L2	12.1	-69 M			11.07	E1b	A2+E4	A2+					A2	A		0.29 A2+E4	A2	G1b	G-L714	G-L714	G-L714	G-L714	G-L714	G>M92>P1>L714													Ganjiang_EBA	Ganjiang	Ganjiang	Cambodia	
I3k-58	SK_Burial #16	53.1	-107 M			105.79	E1b	A2a	A2a					A2a	A	14016A, 16.146T, 5899d	0.24 G1b	G1b	G1b low coverage	G-L714	G-L714	G-L714	G-L714	G-L714	G>M92>P1>L714													Sarazhaxa_Kurgan_EBA	Sarazhaxa	Sarazhaxa	Kazakhstan	
P5-09	SDM14, 17868	34.9	-121 M			74.05	J2a	A2a	A2a					A2	A	230B6, 162 283bG, 849DC, 1634ZC, 9581C	0.29 G1b	G1b	G1b	G-L714	G-L714	G-L714	G-L714	G-L714	G>M92>P1>L714													Mongolia_EIA_Sagly_4	Sagly	Uyu amag, Ulaanegum sum, Chandman Uul, Ulaanbaatar	Mongolia	
K9d		54	90.7 M				H1b+1	H1b+1						H1b1	H1b		0.14 G1b	G1b	G1b	G-L714	G-L714	G-L714	G-L714	G-L714	G>M92>P1>L714													Hollandermilk_Netherlands2018	Uyah Chorokhu	Uyah Chorokhu	Russia	
SH3002	Shadrinsk #25/2	56.5	63.4 M			5.00398	U2	H101	H101					H101	H101		484 G0T G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													Gnecchi/Russoc/Sidhu.2021	5th-3rd c. BCE	5th-3rd c. BCE	350	-500	-200	Sarmatian	Shadrinsk, 400BCE	SH3002.LoneCov	Shadrinsk #25/2	Russia	
I8139	Gonur 2005 tomb 344	38.2	62 M			65.9	U7	U7						U7	U		1083 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													Narasimham/Petersen/Lazaridis2018	Gonur 2005	Gonur_BA	Turkmenistan	
I30_1991.038		53.1	103 M			0.21	C	C						C1	C1a1b-M346		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN		Russia	
I30_1988.020.01		53.1	103 M			0.21	C	C						C1	C1a1b-M346		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN		Russia	
I17595	517595.E1.L1	23	-81.5 M			0.09	C	C						C1	C1a1b-M346		0.06 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													FernandesSirak4Natura2020	1200 BCE - 1200 CE	1	-1200	1200	America_Caribbean_Archi	GraveakerArchilles_Archaic	Cuba_Archaic	Caribbean Abaco	2300; C152 bolia Cuba	
I16		52.8	84.3 M			0.27	C1	C1	C1					C1	C1a1		0.13 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													Hollandermk4	2400-1700 BC	2400	-1700		Siberia_West_BA	Elunino		Russia	Yekyldzin Vrasa c. Altai
I16540	516540.YL.E1.L1	18.5	-69.7 M			23.18	G1b	C1b2	C1b2					C1b2	C1b2		0.03 G1b	G1b	G1b low coverage	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	3950-1200 CE	1075	950	1200	America_Caribbean_Archi	Grameiarchaeo_Ceramic	Dominican_LaCalera_Ceramic	La Calera	2165; 193	Dominican Rep
I29916	1139b	23	-83.3 M			80.1146	G1b	C1d1	C1d1					C1d	C1d1		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													Nigeria Nsukka2020	553 BCE - 1 CE	553	441	800	Africa_Cameroon_Ancient	Nsukka_Ceramic	Cuba_CuevaPerico_Archaic	Cuba	Cuba	
I10_2002.010		53.1	107 M			0.22	Z	Z						Z	Z		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_EBA	Kurma_EBA	Kurma 30 cemetery, Lake Baikal Little Sea micro-	Russia	
I10_2002.011		53.1	107 M			0.23	Z	Z						Z	Z		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_EBA	Kurma_EBA	Kurma 30 cemetery, Lake Baikal Little Sea micro-	Russia	
I10_2002.007.02		53.1	107 M			0.16	D	D						D	D		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_EBA	Kurma_EBA	Kurma 30 cemetery, Lake Baikal Little Sea micro-	Russia	
I10_1987.012		53.1	103 M			0.18	D	D						D	D		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN		Russia	
CA0096	Mal CA Museo	23	-81.5 M			63.908	G4	D1	D1					D1	D1		0.06 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													Nigeria Sclerosis2020	1000 BCE - 1000 CE	-50	-1400	1300	America_Caribbean_Ancient		Cuba_CarimarAbaja_Archaic	Carimar Abaja		Cuba
P5-26	SDM14, 17823	34.9	-121 M			79.12	G1b	D1b	D1b					D1b	D1b	9966A 110D2G, 8480N	0.31 G1b	G1b	G1b low coverage	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156	Kolgeh	Kolgeh	63699 0.05411	0.020 QUESTIONS	n/a	Nigeria Sclerosis2020	Context: Direct date(s) from	1000 BCE - 1000 CE	-50	-1400	1300	America_Caribbean_Ancient		Cuba_CarimarAbaja_Archaic	Carimar Abaja		Cuba
AC4		46.9	20.6			0.14	D5b1	D5b1	D5b1					D5	D5		0.04 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156				AC4, AC7 are sample's clip, another G1b													Csáky Natural2020	2nd half 7th c.	675	650	700	Avar	Hungary Avar Elite		Hungary		
I30_1987.009		53.1	103 M			0.13	A	A	A					A	A		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN		Russia	
I30_1993.044.03		53.1	103 M			0.11	A	A	A					A	A		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN		Russia	
I30_1988.020.01		53.1	103 M			0.13	A	A	A					A	A		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_EBA	Kurma_EBA	Kurma 30 cemetery, Lake Baikal Little Sea micro-	Russia	
I30_1988.016.02		53.1	103 M			0.15	A	A	A					A	A		0.15 G1b	G1b	G1b	G-M346	G-M346	G-L156	G1b	G1b	G>M92>P1>M346>L156													MoussaviAnchorSciRep2016	5570-3725 cal BP	3698-3620	-1775	-1705	Siberia_Cis_Baikal_LN	Ustiinka_LN

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat.	Lon.	Sex	mtDNA-cons	mtFamilDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-19-FTDNA-mt-Haplotype
PD0012013	67-0 y 67-Yr	18.4	-66.4	M	122.052	0.07	A2 +64	A2+a	Haplog	A2+a (T152C!+A2+a)
I13208	I13208.YL1.A1	18.4	-69.4	M?	445.6	0.05	A2+a	A2+a	Haplog	A2+a (T152C!+A2+a)
I13441	I13441.YL1.E1	18	-67.2	M	369.9	0.08	A2+b(64)+@153	A2+a-G153A!	Haplog	A2+a(T152C!+A2+a+A2+b(64)+@153
I15978	I15978.YL1.E1	18.5	-69.7	M	281.6	0.08	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15971	I15971.YL1.E1	18.5	-69.7	M	184.9	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15587	I15587.YL1.E1	18.5	-69.7	M	116.9	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15592	I15592.YL1.E1	18.5	-69.7	M	212	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15590	I15590.YL1.E1	18.5	-69.7	M	98.48	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15973	I15973.YL1.E1, S150	18.5	-69.7	M	551.655	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15970	I15970.YL1.E1	18.5	-69.7	M	285.3	0.17	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I15051	I15051.YL1.E1	18.5	-69.7	M	72.92	0.18	A2+a	A2+a	Haplog	A2+a(T152C!+A2+a+A2+b(64)+A2+a)
I16539	I16539.YL1.E1, S182	18.5	-69.7	M	264.347	0.08	A2+b(64)+b189	A2+a-T6318!C!	Haplog	A2+a(T152C!+A2+a+A2+b(64)+b189)
I13198	I13198.YL1.E1	18.4	-69.4	M	463.8	0.06	A2+	A2+	Haplog	A2+a(T152C!+A2+a)
CAO209	I17628	23	-81.5	M	343.687	0.06	C	C	Haplog	C
CAO022026	I14619203	23	-81.5	M	293.99	0.06	C	C	Haplog	C
TW30A	Akapana	-16.6	-68.7	M	0	0.08	C1b	C1b	Haplog	C1b(T16519C!)
I15600	I15600.YL1.E1	18.5	-69.7	M	192.2	0.08	C1b	C1b	Haplog	C1b(T16519C!)
I13318	I13318.YL1.E1	22.8	-74.3	M	360	0.06	C1b	C1b	Haplog	C1b(T16519C!)
I14990	I14990.YL1.E1	19.8	-71.2	M	246.4	0.06	C1b	C1b	Haplog	C1b(T16519C!)
I15595	I15595.YL1.E1	18.5	-69.7	M	132.9	0.23	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15965	I15965.YL1.E1	18.5	-69.7	M	206.8	0.22	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16171	I16171.YL1.E1	18.5	-69.7	M	151.6	0.23	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15602	I15602.YL1.E1	18.5	-69.7	M	137.3	0.22	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16437	I16437.YL1.E1	19.2	-69.2	M	238	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16174	I16174.YL1.E1	18.5	-69.7	M	147.1	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15967	I15967.YL1.E1	18.5	-69.7	M	300.1	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15976	I15976.YL1.E1	18.5	-69.7	M	231.1	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15962	I15962.YL1.E1	18.5	-69.7	M	227.3	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15963	I15963.YL1.E1	18.5	-69.7	M	184.9	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15966	I15966.YL1.E1	18.5	-69.7	M	226.1	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15969	I15969.YL1.E1	18.5	-69.7	M	241.6	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15591	I15591.YL1.E1	18.5	-69.7	M	87.04	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16173	I16173.YL1.E1	18.5	-69.7	M	151.4	0.17	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16520	I16520.YL1.E1, S167	18.5	-69.7	M	422.713	0.18	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15081	I15081.YL1.E1	18.5	-69.7	M	163.4	0.18	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I16855	I16855.YL1.E1	18.8	-70.3	M	303.1	0.15	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I13189	I13189.YL1.E1	18.5	-69.2	M	419.6	0.14	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I13321	I13321.YL1.E1	24.8	-76.2	M	345.7	0.14	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
LAV006	LAV006	12	34.1	-60.9	M	182.602	0.13	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I15982	I15982.YL1.E1	18.5	-69.7	M	120	0.12	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I13195	I13195.YL1.E1	18.5	-69.2	M	371.5	0.11	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I9979	I9979.YL1.E1	19.8	-70.7	M	114	0.11	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
CO0035		154	21.4	-77.9	M	124.339	0.08	C1b2	C1b2	Haplog	C1b(T16519C!+A5C+C16362
I11924	I11924_published.LM	31.9	-71.5	M			C1b*	C1b45	YFull	C1b(T16519C!+A5C+C16362
CT-01	SDM56_1973-36-1	33.4	-118	M	105.27	0.01	C1b4a1a	C1b*	Haplog	C1b(T16519C!+A5C+C16362
I14060	PCS A12 10457-1-PCS	38.4	-82.2	M			C1c	C1c2	YFull	C1c(T152C!)
I2261	SC10_1259_LGA30	-8.47	-78.2	M	1420	0.33	C1c	C1c	Haplog	C1c(T152C!)
I2241	SC9_1254_BAD248	91	-79.3	M	1740	0.07	C1c	C1c	Haplog	C1c(T152C!)
CAO010	E2	23	-81.5	M	31.067	0.18	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
PDM009	E17	20.6	-77.9	M	38.8345	0.18	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
PDM004	E14	20.6	-77.9	M	241.255	0.17	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
I15677	I15677.YL1.E1	18.5	-69.7	M	155.3	0.08	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
PD0011		64	18.4	-66.4	M	54.783	0.08	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
I7969	I7969.YL1.E1	19.8	-70.7	M	139	0.08	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
CO0035		156	21.4	-77.9	M	145.182	0.05	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
I9979	I9979.YL1.E1	18.7	-69.3	M	168	0.05	C1d1	C1d1	Haplog	C1c(T152C!+C1c1C!+C1d1C!-C1d1
I8309	ASO80514a	38.4	-82.2	M	179	0.52	D1	D1(James et al 2016)1		
CIP005		2485	23	-83.3	M	122.395	0.19	D1	D1	Haplog
GUY001	I1613	22.3	80.9	M	94.2327	0.15	D1	D1	Haplog
I2233	SC7_1207_PWK 13A	9	-13.9	-76.3	M	116	0.11	D1	D1	Haplog
PDM008	E10	20.6	-77.9	M	36.4006	0.12	D1	D1	Haplog
CAO014	E94	23	-81.5	M	37.8131	0.1	D1	D1	Haplog
CAO024	E142	23	-81.5	M	136.468	0.09	D1	D1	Haplog
CAO027	E1063	23	-81.5	M	128.214	0.09	D1	D1	Haplog
I17903	3491, Trinchera 1, Enr	18.8	-70.3	M	184.6	0.08	D1	D1	Haplog
I12576	I12576.YL1.E1	19.7	-71.8	M	296.6	0.06	D1	D1	Haplog
CAO022025	E141/E144	23	-81.5	M	279.928	0.06	D1	D1	Haplog
CAO026	E3	23	-81.5	M	321.113	0.06	D1	D1	Haplog
LAV001	I68_1	14.1	-60.9	M	158.887	0.06	D1	D1	Haplog
I12967	I12967.YL1.E1	12.1	-69	M	358.9	0.04	D1	D1	Haplog
I12344	I12344.YL1.E1,S123	18.5	-69.2	M	207.739	0.04	D1	D1	Haplog
I12347	I12347.YL1.E1,S123	18.5	-69.2	M	388.64	0.04	D1	D1	Haplog
I2549	COIL Chilio	-14.5	-75.2	M	1460	0.04	D1	D1	Haplog
I7908	I7908	-55.3	-69	M		0.03	D1g	D1g	Haplogroup w/o D1a,D1b,D1c
	Pa_H (H)	-54	-68.5	M		0.03	D1g	D1g	Haplog
MA577	MA577	-53.1	-70.5	M		0.01	D1g5	D1g5	Haplog
I2263	SC12_1280_BJO243	-7.91	-79.3	M	450	0.08	D4h3a	D4h3a	Haplog
I7908		-52.4	-68.7	M		0.02	D4h3a	D4h3a	Haplog
IP413	IP413	-49.1	-74.5	M		0.31	D4h3a5	D4h3a5	Haplog
I0045	Lima20822	-12.1	-77	M		0.11	B2	B2	Haplog
I13540	I13540.E1.L1	-18.3	-66.5	M	341.3	0.07	B2	B2	Haplog
I17985	I4486_Montelucia-A_Pe	18.8	-70.3	M	147.1	0.06	B2	B2	Haplog
I5484	BC13	-14.3	-74.8	M	301	0.25	B2	B2	Haplog
I16875	I16875.YL1.E1	26.5	-77	M	121.5	0.05	B2	B2	Haplog
CI0001		155	21.4	-77.9	M	146.49	0.02	B2	B2	Haplog
PA30		-50.5	-75.3	M	534	0.26	B2b	B2b	Haplog
I1358	EA1	-14.3	-74.8	M	1180	0.05	B2b	B2b	Haplog
I17894	3461, I-104-1, I775	10	-68.6	M	154.1	0.13	B2i	B2i	Haplog
I17889	3456, I-10_565	10	-69.6	M	189.3	0.13	B2j	B2j	Haplog
I16925	I4925, I-10_1793	10	-68.9	M	175.1	0.13	B2j	B2j	Haplog
I5766	I5765.YL1.E1	18.2	23.1	-81.3	M	1.7719		n/a	
I7955	I7955	15.2	-68.2	M	123	0.14	A2+(64)+b189	A2+T6318!C!	Haplog
AHUR_2064	Spirit Cave	39.5	-119	M	0.79	0.01	D1	D1	Haplog
I16095	SH-05_ENR3/1845-05	39.5	-44	M	0.79	0.01	D1	D1	Haplog
I16096	SumBourn6	59.10_ENR3/1845-23	39.5	-44	M	0.79	0.01	D1	D1	Haplog
I16094	SumBourn5	SH-04_ENR3/1845-03	39.5	-44	M	0.79	0.01	D1	D1	Haplog
A460	A460		-50.1	-75.2	M			B2b	B2b	Haplog
I2262	SC11_1256_LGA33	-10.4	-70.7	M	515	0.05	B2b2b	B2b2b	Haplog
BC29	BC29	31.9	-116	M		0.01	C2	C2	Haplog
MOM6	MOM6	27	107	M		0.26	C1b	C1b	Haplog
SDM56_1973-64-1	SDM56_1973-64-1	29.2	-115	M	36.98	0.49	C1b11	C1b11	Haplog
I5467	I5467.YL1.E1	34	-121	M	87.91	0.18	C1b*	C1b*	Haplog
BC30	BC30	31.9	-116	M		0.12	B2g1	B2g1	Haplog
kennewick	Kennewick Man	-46.2	-119	M	1.58	0.24	B2g2	B2g2	Haplog
TW30B	Akapana	16.6	-68.7	M		0.07	B2	B2	Haplog
SDM56_1973-36-1	SDM56_1973-36-1	33.3	-118	M	109.94	0.58	A2b	A2b	Haplog
SDM56_1973-64	SDM56_1973-64	34.9	-121	M	32.961	0.07	D5a	D5a	Haplog
I1743	I1743	-14.2	72.2	M	142	0.03	A2	A2	Haplog
Cuncashca15-04	Cuncashca 15-04	-15.4	-72.6	M	0.28	0.25	A2h	A2h	Haplog
I16176	I16176.YL1.E1	18.5	-69.7	M	131.9	0.18	A2+a	A2+a	Haplog
I17	I17	-16.2	-69.7	M	14.18	0.15	A2+a	A2+a	Haplog

mt-Sin-no-5-INVS-I	INVS-II	INVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAST-Simple	TYree	Y-Haplotree-Y-Haplotree-I-FTDYfull	Y-Ht-SGOG2010	FTDNA-Y-Haplotree
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.05 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1				Q1b1a1a1a	Q1b1a1a1a1b1a1a-B2/M19/S1981, Q1b1a1a1a1	0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1				Q1b1a1a1a-B2/M19/S1981, Q1b1a1a1a1		0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1				Q1b1a1a1a-B2/M19/S1981, Q1b1a1a1a1		0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.06 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1				Q1b1a1a1a-B2/M19/S1981, Q1b1a1a1a1		0.06 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.06 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.03 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
A2	A			Q1b1a1a1						0.06 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b						0.01 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b				Q1b1a1a1	CT:Q1b1a1a1c-B2/M25, Q1b1a1a1c-B2/M9	0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b						0.07 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b						0.09 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b						0.09 G1M4902	G1b G9M602	Q-M242 Q-M902 Haplog Q-M848	Haplog Q1b1a1a1	Q-M242>M242>M346>L15>L56>CTS1846>CTS1969>M140>M402
C1	C			C1b2

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	Y-Simple	YTree	Y-Haplotree	ISOGG2019	Source	Date	Mean	CalBC_top	CalBC_bot	Simplified_Culture	Culture_Grouping	Location	Country
irk040	irk040_merged.hs37d	53.2	103	M	A	Q-L53*(x..	Q1b1b	Q1b-pre-YP3955	Q-YP3955*	Q1b1b~*	KılınçSciAdv2021 from KılınçSciRep2018	3701-3533 calBCE	-3617	-3701	-3533	Siberia_Cis_Baikal_LN	Cis-Baikal Neolithic	Angara River	Russia
ZPL002	8310 M2 lower right	54.4	105	M	F1b1b	Q1a2a	Q1b1b	Q1b-(pre-?)YP3955(BZ2197?)	Q-YP3955	Q1b1b~	YuCell2020	2289-2140 calBCE (4..	-2218	-2289	-2140	Siberia_Cis_Baikal_EBA	LN-EBA stage of the Glazkovo culture	Upper Lena river	Russia
KPT004	8304 M2 upper left	53	106	M	A+152+16362+16189	Q1a	Q1b1b	Q1b-BZ2197	Q-BZ2197	Q1b1b~(xQ1b1b1)	YuCell2020	1891-1757 calBCE (3..	-1823	-1891	-1757	Siberia_Cis_Baikal_EBA	Glazkovo stage of LN (Lena EBA)	Khaptsagai	Russia
I7779	Mos114	52.9	104	M	C4a2a1	Q1a2a	Q1b1b	Q1b-BZ2197(xBZ2200)	Q-BZ2197	Q1b1b~(xQ1b1b1)	FlegontovNature2019	2900-2700 calBCE (4..	-2800	-2900	-2700	Siberia_Cis_Baikal_EBA	Ust'-Belaya	Ust'-Belaya II, Angara river	Russia
DA336	SHA_1998.003	51.7	104	M	C4a2a1	Q1a2a	Q1b1b	Q1b-BZ2197(xBZ2222)	Q-BZ2197	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2500-2000 BCE	-2250	-2500	-2000	Siberia_Cis_Baikal_EBA	Shamanka_EBA	Shamanka II	Russia
DA338	SHA_1998.002	51.7	104	M	C4a2a1	Q1a2a	Q1b1b	Q1b-BZ2197(xBZ2222)	Q-BZ2197	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2500-2000 BCE	-2250	-2500	-2000	Siberia_Cis_Baikal_EBA	Shamanka_EBA	Shamanka II	Russia
DA354	KUR_2002.015	53.2	107	M	D4	Q1a	Q1b1b	Q1b-BZ2197(xBZ2222)	Q-BZ2197	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2856-2492 calBCE (4..	-2641	-2856	-2492	Siberia_Cis_Baikal_EBA	Kurma EBA	Kurma XI	Russia
GLZ003	4618 M1 lower right	52.3	103	M	R1b1	Q1a2a	Q1b1b	Q1b-BZ2197(xBZ2200)	Q-BZ2197	Q1b1b~(xQ1b1b1)	YuCell2020	2569-2467 calBCE (4..	-2528	-2569	-2467	Siberia_Cis_Baikal_EBA	Angara EBA	Irkutsk city	Russia
irk034	irk034_merged.hs37d	53.2	103	M	D4j	PhyloTree: Q-M346*2 derived, 3 ancestral for BZ2200	Q1b1b	Q1b-BZ2210*	Q-BZ2210*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	3645-3521 calBCE	-3583	-3645	-3521	Siberia_Cis_Baikal_LN	Cis-Baikal Neolithic	Angara River	Russia
irk033	irk033_merged.hs37d	53	103	M	C4a	PhyloTree: na; ISOGG..	Q1b1b	Q1b-pre-BZ2200	Q-BZ2200*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	3011-2877 calBCE	-2944	-3011	-2877	Siberia_Cis_Baikal_LN	Cis-Baikal Neolithic	Angara River	Russia
NEO232		52.9	104	..	C4a1a3	Q1b1	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	SikoraNature2019	3007-2697 calBCE (4..	-2862	-3007	-2697	Siberia_Cis_Baikal_EBA		Ust'Belaya	Russia
I1526	Mos106	52.9	104	M	C4a1a3	Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	FlegontovNature2019	2910-2700 calBCE (4..	-2787.5	-2875	-2700	Siberia_Cis_Baikal_EBA	Ust'-Belaya	Ust'-Belaya II, Angara river	Russia
I7780	Mos117	52.9	104	M	C4a1a3	Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	FlegontovNature2019	2840-2490 calBCE (4..	-2752.5	-2840	-2665	Siberia_Cis_Baikal_EBA	Ust'-Belaya	Ust'-Belaya II, Angara river	Russia
KPT003	8302 M2 upper right	53	106	M	C4a1a3	Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	YuCell2020	2115-1940 calBCE (4..	-1995	-2115	-1940	Siberia_Cis_Baikal_EBA	Glazkovo stage of LN (Lena EBA)	Upper Lena river	Russia
irk075	irk075_merged.hs37d	53	107	M	D4j12	PhyloTree: Q-M346*(xL53,Y2659); ISOGG: Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	3620-3367 calBCE	-3493.5	-3620	-3367	Siberia_Cis_Baikal_LN	Cis-Baikal Neolithic	Lake Baikal	Russia
irk071	irk071_merged.hs37d	53.2	107	M	D4j	PhyloTree: Q-M346*(xL53,Y2659); ISOGG: Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	3337-3021 calBCE	-3179	-3337	-3021	Siberia_Cis_Baikal_LN	Cis-Baikal Neolithic	Lake Baikal	Russia
irk036	irk036_merged.hs37d	52.3	103	M	F1b1b	PhyloTree: Q-L53*(xL54); ISOGG: Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	2887-2666 calBCE	-2776.5	-2887	-2666	Siberia_Cis_Baikal_EBA	Cis-Baikal Bronze Age	Angara River	Russia
irk068	irk068_merged.hs37d	54	106	M	F1b1b	PhyloTree: Q-L53*(xL54); ISOGG: Q1a2a	Q1b1b	Q1b-BZ2222*	Q-BZ2222*	Q1b1b~......	KılınçSciAdv2021 from KılınçSciRep2018	2576-2466 calBCE	-2521	-2576	-2466	Siberia_Cis_Baikal_EBA	Cis-Baikal Bronze Age	Lena River	Russia
STB001	8315 petrous right	54.8	105	M	C4	CT	Q1b1b	Q1b-pre-BZ2200	Q-BZ2200*	Q1b1b~......	YuCell2020	2854-2576 calBCE (4..	-2654	-2854	-2576	Siberia_Cis_Baikal_EBA	Late Neolithic Serovo culture	Lower Lena river	Russia
KPT002	UKY001, KPT002_petr..	53	106	M	C4	CT	Q1b1b	Q1b-pre-BZ2200	Q-BZ2200*	Q1b1b~......	YuCell2020	2191-1770 calBCE (..	-1981	-2191	-1770	Siberia_Cis_Baikal_EBA	Glazkovo stage of LN (Lena EBA)	Upper Lena river	Russia
DA337	SHA_2000.009	51.7	104	M?	C4a1a3	Q1a2a	Q1b1b	Q1b-FT375375	Q-FT375375	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2461-2295 calBCE (3..	-2378	-2461	-2295	Siberia_Cis_Baikal_EBA	Shamanka_EBA	Shamanka II	Russia
DA334	SHA_2008.107	51.7	104	M	C4a2a1	Q1a2a	Q1b1b	Q1b-FT375375	Q-FT375375	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2284-2055 calBCE (3..	-2179	-2284	-2055	Siberia_Cis_Baikal_EBA	Shamanka_EBA	Shamanka II	Russia
irk061	irk061_merged.hs37d	54	106	M	D4j1	PhyloTree: Q-L53*(xL54); ISOGG: Q1a2a	Q1b1b	Q1b-FT375375	Q-FT375375	Q1b1b~(xQ1b1b1)	KılınçSciAdv2021 from KılınçSciRep2018	2473-2299 calBCE	-2386	-2473	-2299	Siberia_Cis_Baikal_EBA	Cis-Baikal Bronze Age	Lena River	Russia
DA335	SHA_2000.005	51.7	104	M	F1b1b	Q1a2a	Q1b1b	Q1b-FT375375	Q-FT375375	Q1b1b~(xQ1b1b1)	DamgaardScience2018	2500-2000 BCE	-2250	-2500	-2000	Siberia_Cis_Baikal_EBA	Shamanka_EBA	Shamanka II	Russia
irk025	irk025_merged.hs37d	53	104	M	A	PhyloTree: Q-L53*(xL54); ISOGG: Q1a2a	Q1b1b	Q1b-FTA3955	Q-FTA3955	Q1b1b~(xQ1b1b1)	KılınçSciAdv2021 from KılınçSciRep2018	2480-2299 calBCE	-2389.5	-2480	-2299	Siberia_Cis_Baikal_EBA	Cis-Baikal Bronze Age	Angara River	Russia
irk076	irk076_merged.hs37d	51.7	104	M	C4a2a1	PhyloTree: na; ISOGG 2 derived, 2 ancestral at YP3955 level	Q1b1b	Q1b-FTA3955	Q-FTA3955	Q1b1b~(xQ1b1b1)	KılınçSciAdv2021 from KılınçSciRep2018	2281-2038 calBCE	-2159.5	-2281	-2038	Siberia_Cis_Baikal_EBA	Cis-Baikal Bronze Age	Lake Baikal	Russia
SHD001	Shadrinsk #25/1	56.5	63.4	M	H1	Q1a2a(Q-L53)	Q1b1b	Q1b-YP3953(xBY45596,xYP39..	Q-YP3953	Q1b1b1~	GnecchiRusconeSciAdv2021	5th-3rd c. BCE; Sargat horiz..	-350	-500	-200	Sargat	Sargat	Shadrinsk #25/1	Russia
WAR001	37 Warriors	48.4	74.5	M	H2b	Q1a2a (Q-L475; Q-L53)	Q1b1b	Q1b-YP3953*	Q-YP3953*	Q1b1b1~*	GnecchiRusconeSciAdv2021	755-411 calBC	-583	-755	-411	Tasmola	Warrior_600BCE	37 Warriors	Kazakhstan
BIY002	Mountain Bitiya #228	55	73.4	M	R1b1	Q1a2a(Q-L475,Q-L53)	Q1b1b	Q1b-YP3953*	Q-YP3953*	Q1b1b1~*	GnecchiRusconeSciAdv2021	3rd-2nd c. BCE; Sarg..	-250	-300	-200	Sargat	MtBitiya_300BCE	Mountain Bitiya #228/14	Russia
DA162	Alan5	43.2	44.5	M	H13a2c	Q-YP4500*	Q1b1b	Q1b-YP4024(xBY45596,xYP39..	Q-BY45596	Q1b1b1a~..	DamgaardNature2018	450-850 CE	650	450	850	Alan		Caucasus	Russia
RISE673	7053-62	53.2	90.2	M	A8a	Q1a	Q1b2b1	Q1b-FT377000	Q-FT377000	Q1b2b1~*	DamgaardScience2018	2900-1800 BCE	-2350	-2900	-1800	Okunevo	Okunevo EBA	Verkhni Askiz	Russia
RISE670	7053-49	53.2	90.2	..	A8a	Q1a2b	Q1b2b1	Q1b-FT377000	Q-FT377000	Q1b2b1~*	DamgaardScience2018	2191-1884 calBCE (3..	-2009	-2191	-1884	Okunevo	Okunevo EBA	Verkhni Askiz	Russia
RISE674	7053-85	53.2	90.2	M	A+152+16362	Q1a2	Q1b2b1	Q1b-FT377000	Q-FT377000	Q1b2b1~*	DamgaardScience2018	2284-1972 calBCE (3..	-2114	-2284	-1972	Okunevo	Okunevo EBA	Verkhni Askiz	Russia
RISE672	7053-61	53.2	90.2	U	H6a1b	Q1a2	Q1b2b1	Q1b-FT377000	Q-FT377000	Q1b2b1~*	DamgaardScience2018	2900-1800 BCE	-2350	-2900	-1800	Okunevo	Okunevo EBA	Verkhni Askiz	Russia
VK260	UK_Dorset-3735	50.7	-2.47	M	H1e1a	Q1b	Q1b2b1a	Q1b-BY77336	Q-BY77336	Q1b2b1a2~*	MargaryanNature2020	970-1025 CE	997	970	1025	Viking	Viking UK	Dorset	UK
I6717	StPet58, collection 33..	55.2	89.3	M	T1a1	Q1a2	Q1b2b*	Q1b-F2019*	Q-F2019*	Q1b2b1b(2)	NarasimhanPattersonScience2019	1498-1403 calBCE (3..	-1450.5	-1498	-1403	Andronovo	Steppe_MLBA_oESHG	Krasnoyarsk Krai, near Orak Ulus, Orak burial pla..	Russia
DA4	St.Pet. 65	54.7	90.9	M	H5a1+152	Q-L933	Q1b2b1b*	Q1b-pre-F749	Q-F749*	Q1b2b1b(2)	DamgaardNature2018	1000-800 BCE	-900	-1000	-800	Siberia_West_IA	Tagar	Siberia, Tungus & Eastern Stepp..	Russia
I11734	Kurgan 4, burial 1, ske..	49.5	58.5	M	U4a	Q1a2b2	Q1b2b1b*	Q1b-pre-F749	Q-F749*	Q1b2b1b(2)	NarasimhanPattersonScience2019	3024-2908 calBCE (4..	-2966.5	-3022	-2911	Steppe_Central_EMBA	Kumsay_EBA	Kumsay, Kyryk Oba	Kazakhstan
SA6004	SA6004, BZNK-003/4,	45.7	44	M	U7b	Unspecified Q1a2	Q1b2b1b	Q1b-F749	Q-F749	Q1b2b1b2(b2?)	WangNatCommun2019	3359-3034 calBCE (4..	-3209	-3359	-3034	Maykop	Steppe Maykop	Sharakhalsun 6	Russia
SFI-5	SFI-477, T9	33.9	35.5	M	K1a5a	Q1b-M346	Q1b2b1b	Q1b-BZ1462	Q-BZ1462	Q1b2b1b2b~	HaberAJHG2020	354-56 calBCE (2152..	-209	-354	-56	Levant_Hellenistic	Hellenistic	Beirut SFI-477	Lebanon
I4784	KZ-KUZ-001, Grave 46	43.2	77.8	M	G2a1	Q1a2b2	Q1b2b1b	Q1b-BZ4911	Q-BZ4911	Q1b2b1b2*	NarasimhanPattersonScience2019	1613-1508 calBCE (3..	-1558	-1613	-1508	Andronovo	Steppe_MLBA_oBMAC	Kyzyl Bulak 1	Kazakhstan
DRO001	DRO001.B0101.TF1.1	50.4	13.4	M	H2b	Q1b2a	Q1b2a	Q1b-SK1932	Q-SK1932	Q1b2a	PapacSciAdv2021	4147±23 BP	-2753	-2872	-2633	Corded_Ware	Corded Ware Bohemia	Droužkovice_20B-2, Bohemia	Czech Republic
I1017	978, kurgan 2, burial..	52.8	60.5	M	H6b1	Q1a2	Q1b2a	Q1b-(pre-?)FT239746	Q-FT239746	Q1b2a1a~*	NarasimhanPattersonScience2019	1931-1749 calBCE (3..	-1837	-1931	-1749	Sintashta	Steppe_MLBA_oWSHG	Kamennyi Ambar 5 Cemetery	Russia
I11526	Aigyrzhal K.67	41.4	75.9	M	R6a2	Q1a2	Q1b2a	Q1b-FT239288	Q-FT239288	Q1b2a1a~*	NarasimhanPattersonScience2019	2204-2038 calBCE (3..	-2129	-2204	-2038	Aigyrzhal_BA		Aigyrzhal	Kyrgyzstan
I3949	StPet47, collection 66	48.8	83.9	M	U5a1d2b	Q1a2	Q1b2a	Q1b-FT380500	Q-FT380500	Q1b2a1a~*	NarasimhanPattersonScience2019	2844-2496 calBCE (4..	-2667.5	-2837	-2498	Afanasievo	Afanasievo Karasuk	Altai Mountains, Yenisey River, left bank of Karas..	Russia
I6714	StPet49, collection 66	48.8	83.9	M	U5a1d2b	Q1a2	Q1b2a	Q1b-FT380500	Q-FT380500	Q1b2a1a~*	NarasimhanPattersonScience2019	2618-2468 calBCE (4..	-2545	-2617	-2472	Afanasievo	Afanasievo Karasuk	Altai Mountains, Yenisey River, left bank of Karas..	Russia
I3950	StPet48, collection 66	48.8	83.9	M	U5b2a1a+16311	Q1a2	Q1b2a	Q1b-FT380500	Q-FT380500	Q1b2a1a~*	NarasimhanPattersonScience2019	2879-2632 calBCE (4..	-2757	-2878	-2636	Afanasievo	Afanasievo Karasuk	Altai Mountains, Yenisey River, left bank of Karas..	Russia
SI-45	SI-45	33.6	35.4	M	J1d1a1	Q-M346	Q1b2a	Q1b-Y6850*	Q-Y6850*	Q1b2a1a~*	HaberAJHG2019	1222-1280 calCE (77..	1252	1222	1280	Levant_MA	Lebanon Middle Ages	Sidon	Lebanon
NV3001	NV3001, BZNK-312/1,	44.7	41.9	M	R1b	Unspecified Q1a2	Q1b2a	Q1b-BY72936	Q-BY72936	Q1b2a1a1a	WangNatCommun2019	2127-1924 calBCE (3..	-1995	-2127	-1924	Caucasus_MBA	Lola	Nevinnomisskiy 3	Russia
I4550	ZVEJ3	56.3	25.1	M	U5b2a1a	Q1a2	Q1b	Q1b-Y2700	Q-Y2700	Q1b*	MathiesonNature2018	6633-6470 calBCE (7..	-6539	-6633	-6470	Baltic_HG	Latvia_HG	Zvejnieki	Latvia
GLN124		47.9	3.61	M	H1	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN13-A		47.9	3.61		H1	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
PEY74		43.3	3.48		H-152	R	R	R	R-M207	R	BrunelPNAS2020	400-200 calBC	-300	-400	-200	France_LIA	"La Tène"	Agde	France
GLN32		47.9	3.61	M	H1b	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
cieple3	c3	53.9	18.8	M	H26a1	R	R	R	R-M207	R	DoanMuzeumArcheolGdansk2019	XI to mid-XII c.	1075	1000	1150	Poland_MA	Viking/Piast Kingdom	Ciepłe cemetery	Poland
GLN26		47.9	3.61		H3	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
I6491	MGA'92-Resta III	41.3	1.18	M	H4a1a	R	R	R	R-M207	R	OlaldeScience2019	200-500 CE	350	200	500	Iberia_Roman	NE_Iberia_RomP	Mas Gassol, Alcover, Tarragona, Catalonia	Spain
VK200	Poland_Czersk gr. 60..	52.1	21	M	J1b1a1b	R	R	R	R-M207	R	MargaryanNature2020	892-1021 calCE (108..	891	892	1021	Viking	Viking Poland	Czersk	Poland
GLN142		47.9	3.61		J2b	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
UN124		49.7	-1.74		K1a	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
TAV007	AT-619	45.4	113	M	D4j3	R1b1a2a1a1 (R-M40..	R	R	R-M207	R	JeongCell2020		1350	1300	1400	Mongol	Mongol	Tavan Tolgoi, Sukhbaatar	Mongolia
UN122		49.7	-1.74		K	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
UN8		49.7	-1.74		U5a1g1	R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
GLN9		47.9	3.61			R*	R	R	R-M207	R	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
I12257	UfaNov17-053, Ksirov	37.4	68.2	M	J1b6	..	R	R(xR1a,xR2)	R-M207	R(xR1a,xR2)	NarasimhanPattersonScience2019	200 BCE - 100 CE	-50	-200	100	Turan_IA	Ksirov_H_Kushan	Ksirov	Tajikistan
MA1	Malta1	52.9	104	M		R	R*	R*	R-M207*	R*	RaghavanNature2014	22621-22171 calBCE	-22370	-22621	-22171	Palaeolithic	MA1_HG.SG	Mal'ta	Russia
UN108		49.7	-1.74		H6 / H8	R* ?	R	R?	R-M207	R?	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
I10269	S10269.E1.L1	32.6	35	M		n/a (<50000 autosom..	R	R?(xR1b-M269)	R-M207	R?	AgranatTamirCell2020	1700-1600 BCE	-1650	-1700	-1600	Levant_South_MLBA	Megido MB III	Tel Megiddo	Israel
Niederstotzingen1..	NIEcap10, tooth34, 15..	48.5	10.2	M	H1b	R1	R1	R1	R-M173	R1	SullivanSciAdv2018	580-630 CE	535	580	630	Germanic	Alemannic	Niederstotzingen	Germany
I5470	skeleton B	56	-3.18	U	H15a1	R1	R1	R1	R-M173	R1	OlaldeNature2018	1615-1447 calBCE (3..	-1527	-1615	-1447	Britain_CA_EBA	Scotland_CA_EBA	Leith, Merrilees Close, City of Edinburgh, Scotland	Great Britain
cieple17	c17	53.9	18.8	M	H7c3	R1	R1	R1	R-M173	R1	DoanMuzeumArcheolGdansk2019	XI to mid-XII c.	1075	1000	1150	Poland_MA	Viking/Piast Kingdom	Ciepłe cemetery	Poland
B25		43.3	-2.99		H/J	R1	R1	R1	R-M173	R1	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B55		43.3	-2.99		J	R1	R1	R1	R-M173	R1	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
I0233	SVP13, Novosel'ki, kur..	53.3	48.5	M	U5a1i	R1	R1b	R1(b-BY56339?)	R-M173	R1	NarasimhanPattersonScience2019	1850-1200 BCE	-1525	-1850	-1200	Srubnaya	Western_Steppe_MLBA	Samara, Tatarstan oblast, forest-steppe zone, No..	Russia
DA53	Kyr 21	41.4	75.3	F	U5a1a1	R1 (DA63?)	R1	R1(xR1a-M459;xR1b-BY14355..	R-M173	R1	DamgaardNature2018	541-266 calBCE (234..	-422	-541	-266	Scythian_Saka	TianShan Saka	Tian Shan	Kyrgyzstan
Iboussieres31-2	Iboussieres31-2	44.3	4.46	M	U5b1	R	R1	R1(*?;xBY14355;xL754;xPF6..	R-M173	R1	MathiesonNature2018	10050-9400 BCE	-9725	-10050	-9400	West_European_Hunter_G..	Iboussieres31-2	Aven des Iboussières à Malatav..	France
I12466	Grave 68, Individual 2	34.8	72.3	M	n/a (<2x)	R1	R1	R1(xR1b-M335,xR2-M124)	R-M173	R1	NarasimhanPattersonScience2019	1000-800 BCE	-900	-1000	-800	SPGT	Katelai_IA	Swat Valley, Katelai	Pakistan
Gorzig2		51.7	12			R1	R1	R1	R-M173	R1	HarthunRechtsmedizin2015	Late Roman/Migrati..	550	500	600	Germanic	Late Roman/Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig7		51.7	12			R1	R1	R1	R-M173	R1	HarthunRechtsmedizin2015	Late Roman/Migrati..	550	500	600	Germanic	Late Roman/Germanic	Görzig, Saxony-Anhalt	Germany
Gorzig10		51.7	12			R1	R1	R1	R-M173	R1	HarthunRechtsmedizin2015	Late Roman/Migrati..	550	500	600	Germanic	Late Roman/Germanic	Görzig, Saxony-Anhalt	Germany
I8211	10-SU-28-D1-E-96	42.1	3.11	M	HV0+195	R	R1	R1(b?)(xL617,xL196,xS425, etc)	R-M173	R1(b?)(xR1b1a1b1a1a2a2a,x..	OlaldeScience2019	500-450 BCE	-475	-500	-450	Iberia_Hel	NE Iberia Hellenistic (Empúries1)	Empúries, Girona, Catalonia	Spain
I4655	SCCL_50	44.6	22.6	M	K1	R	R1b	R1(xR1a;xR1b-M269,xR1b-PF..	R-M173	R1(xR1a,xR1b1a1b,xR1b1b)	MathiesonNature2018	7059-6571 calBCE (7..	-6814	-7059	-6571	Iron_Gates_HG	Iron_Gates_HG	Schela Cladovei	Romania
ATP3		42.4	-3.52	..		R	R1bV2219	R1(xV88)	R-M173	R1(xR1b1b)	GuntherPNAS2015	3516-3365 calBCE (4..	-3447	-3516	-3365	Iberia_CA	C_Iberia_CA	El Portalon Cave, Atapuerca, Burgos, Castilla y León	Spain
NOE002	Noe 5	40.7	8.59	M	HV0a	?	R1b	R(xR1a)	R-M343	R(xR1a)	MarcusNatCommun2020	4325-4053 calBCE (4..	-4182	-4325	-4053	Sardinia_Neolithic	Italy_Sardinia_N	Ossi, SS	Italy
SerosFemur 3		42.5	-0.67		U5a	R (xR1a)	R1b	R(xR1a)	R-M343	R(xR1a)	NuñezCroatMedJ2011	807-974 AD	890.5	807	974	Iberia_EMA	North Iberia Early Middle Ages	Santa Cruz de la Seros, Huesca, Aragon	Spain
I2656	GENSCOT25	56	-2.9	M	H2a2a2	R	R1b	R(xM459)	R-M343	R(xR1a1)	OlaldeNature2018	1283-940 calBCE (29..	-1131	-1283	-940	Britain_LBA	Scotland_LBA	Longniddry, Grainfoot, East Lothian, Scotland	Great Britain
I8212	10-SU-28-D1-E-46	42.1	3.11	M	H27+16093	R	R1b	R(xM198)	R-M343	R(xR1a1a)	OlaldeScience2019	500-350 BCE	-425	-500	-350	Iberia_Hel	NE Iberia Hellenistic (Empúries1)	Empúries, Girona, Catalonia	Spain
B18		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B63		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B87		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B62		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B96		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B29-42 (individual 4)		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B78		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B90		43.3	-2.99		H	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B56		43.3	-2.99		J	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B77		43.3	-2.99		T2	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B19		43.3	-2.99		T2	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B13		43.3	-2.99		U2	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B12		43.3	-2.99		U2	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B29-42 (individual 5)		43.3	-2.99		U5	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B86		43.3	-2.99		U5	R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B94		43.3	-2.99			R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B44		43.3	-2.99			R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
B91		43.3	-2.99			R1b	R1b	R1(xR1a)	R-M343	R1(xR1a)	Alzualde2005	500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages	Aldaieta	Spain
UN 105-B		49.7	-1.74		H1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
UN78		49.7	-1.74		H1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
GLN125-A		47.9	3.61	M	H1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
PECH10		43	2.96		H1t	R1b1	R1b	R1b	R-M343	R1b	BrunelPNAS2020	600-300 calBC	-450	-600	-300	France_LIA	"La Tène"	Sigean	France
Niederstotzingen1..	Niecap4, tooth34, 15..	48.5	10.2	M	H10e1	R1b1	R1b	R1b	R-M343	R1b	SullivanSciAdv2018	580-630 CE	535	580	630	Germanic	Alemannic	Niederstotzingen	Germany
GLN34		47.9	3.61	M	H3	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
A 59		48.2	11.7	M	H5	R1b	R1b	R1b	R-M343	R1b	RottAmJPhysAnthropol2017	431-544 calAD (530-..	550	431	544	Germanic	Medieval Bavaria	Aschheim-Bajuwarenring,Bavar..	Germany
Copernicus		54.4	19.7	M	H27(?)	R1b	R1b	R1b	R-M343	R1b	BogdanowiczPNAS2009	d. 1543	1543	1533	1553	Poland_MA	Poland Medieval	Nicolaus Copernicus	Poland
UN4		49.7	-1.74	M	J1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
GLN28		47.9	3.61	M	J1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
UN69		49.7	-1.74		K1a	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
coffin 27		51.3	13.3	M	C5c1a	R1b (Nevgen: Prob. 1 13,24,14,11,11-14,0,0,12,0,14,0,16,0-0,0,0,..	R1b	R1b	R-M343	R1b	AlterauerForensicSciIntGenet2020	unknown	1803	1743	1863	Germany_modern	Germany_modern	Burial crypts, cloister church of unknown	Germany
MN0126		43.7	106	M	D4	R1b	R1b	R1b	R-M343	R1b	LkhagvasurenPLoSONE2016	1130-1250 calAD	1190	1130	1250	Mongol	Mongol	Tavan Tolgoi	Mongolia
MN0104		43.7	106	M	D4	R1b	R1b	R1b	R-M343	R1b	LkhagvasurenPLoSONE2016	1130-1250 calAD	1190	1130	1250	Mongol	Mongol	Tavan Tolgoi	Mongolia
Khazar67		47.2	41.7	M	D4e5	R1b	R1b	R1b	R-M343	R1b	KornienkoHumGenet2021 from MikheyevbioRxiv2019	IX	850	800	900	Khazar	Early_Khazar	Martynovsky	Russia
MN0132		48.1	114	M	D4e5b	R1b-M343	R1b	R1b	R-M343	R1b	Shin2017		-3000	-3100	-2900	Afanasievo?	Neolithic	Dornod, Choibalsan	Mongolia
MAND1175		43.8	4.47		X2b-226	R1b1	R1b	R1b	R-M343	R1b	BrunelPNAS2020		-1700	-1800	-1600	France_MBA	Middle Bronze Age	Manduel	France
GLN23		47.9	3.61		HV	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN121		47.9	3.61		HV?	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
K2P1		47.1	44.5	M	H	R1b (Athey)	R1b	R1b	R-M343	R1b	OchirGoryaevaJArchaeolSciRep2021	2500–2300 BCE	-2400	-2500	-2300	Catacomb	East Manych Catacomb	Ergeninskii	Russia
UN37		49.7	-1.74		H	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
UN74		49.7	-1.74	M	H	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
GLN31		47.9	3.61		H	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN33		47.9	3.61	M	H	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN13-B		47.9	3.61	M	H	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
AE 1005		48.3	11.9	M?	H	R1b	R1b	R1b	R-M343	R1b	RottAmJPhysAnthropol2017	560-600 AD	580	560	600	Germanic	Medieval Bavaria	Altenerding-Klettham, Bavaria, collective grave..	Germany
coffin 6		51.3	13.3	M	H	R1b (Nevgen: Prob. 9 13,25,13,11,11-14,0,0,13,0,13,0,17,0-0,0,0,..	R1b	R1b	R-M343	R1b	AlterauerForensicSciIntGenet2020	20 March 1685	1685	1684	1685	Germany_modern	Germany_modern	Burial crypts, cloister church of Son of Hans Chris..	Germany
UN30		49.7	-1.74		V	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
M9		51.7	10.2	M	U	R1b	R1b	R1b	R-M343	R1b	Schilz2006	1000-700 BC	-850	-1000	-700	Urnfield	Unstrutgruppe, Urnfield culture	Lichtenstein cave	Germany
K4P5		47.1	44.5	M	N	R1b (Athey)	R1b	R1b	R-M343	R1b	OchirGoryaevaJArchaeolSciRep2021	2500–2300 BCE	-2400	-2500	-2300	Catacomb	East Manych Catacomb	Ergeninskii	Russia
UC_HGL_906	PEC2	50.1	14.4	M	T1a1	R1b	R1b	R1b	R-M343	R1b	CzechNewsReport2019	900-1200 AD	1050	900	1200	Czech_MA	Bohemian_Nobility	Duke Spytihnev	Czech Republic
UN113		49.7	-1.74		T2	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
Emperor Nicholas II		59.7	30.4	M	T*	R1b	R1b	R1b	R-M343	R1b	RogaevScience2009	1918 AD	1918	1909	1928	Russia_Modern	Nicholas II (Romanov)		Russia
PMI009	PMI009.A0301.TF1.1	50.2	14.5	M	T2b	R1b*	R1b	R1b(xU106)	R-M343	R1b	PapacSciAdv2021	3560±35 BP	-1895	-2020	-1770	Unetice	Únětice Bohemia	Praha-Miškovice_31, Bohemia	Czech Republic
M6-116.8	369	46	18.6	M	T2b23	R1b	R1b	R1b	R-M343	R1b	SzécsényiNagyProcRSocLondB2015	2870-2580 calBC	-2700	-2870	-2580	Vucedol	Vucedol Hungary	Lánycsók, Csata-alja	Hungary
coffin 11		51.3	13.3	M	T2b8	R1b (Nevgen: Prob. 4 13,0,,11,-,0,0,0,0,0,0,17,0-0,0,0,0,0,,0,0-0..	R1b	R1b	R-M343	R1b	AlterauerForensicSciIntGenet2020	unknown	1725	1676	1774	Germany_modern	Germany_modern	Burial crypts, cloister church of unknown	Germany
UN120		49.7	-1.74		U4	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
Bartym1	Bartim5/A	55.8	57.5	F	U4b1a1a1	N.D.	R1b	R1b(xL151)	R-M343	R1b	CsákySciRep2020	V-VI centuries	500	400	600	Urals_Cis_EMA	Nevolino Culture, Phase II	Bartym	Russia
Tamula3		57.8	27	M	U4d2	R1	R1b	R1b(xV2219,xV1636,xM269)	R-M343	R1b	MittnikNatCommun2018	3796-3641 calBCE (4..	-3716	-3796	-3641	Baltic_MN	Combed Ware Culture	Tamula, Estonia	Estonia
KV55	Akhenaten? Smenkhk..	25.7	32.6	M	K	R1b (Athey)	R1b	R1b(V88?)	R-M343	R1b	ZinkPushNatureNews2011, from HawassJAMA2010	ca. 1353–1336 BC	-1345	-1353	-1336	Egypt_BA	20th dynasty		Egypt
KV62	Tutankhamun	25.7	32.6	M	K	R1b (Athey)	R1b	R1b	R-M343	R1b	GadaCzechInstEgyptol2020	ca. 1342–1325 BC	-1335	-1342	-1325	Egypt_BA	20th dynasty	Valley of the Kings	Egypt
GLN123		47.9	3.61		U5a1	R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
I5663	RISE929	48.8	12.8	M	U5a2+16294	R1b	R1b	R1b	R-M343	R1b	OlaldeNature2018	2500-2000 BCE B1	-2250	-2500	-2000	Bell_Beaker	BK_Germany_BAV	Irlbach, County of Straubing-Bo..	Germany
coffin X		51.3	13.3	M	V7a	R1b (Nevgen: Prob. 9 13,23,14,11,11-14,0,0,12,0,14,0,18,0-0,0,0..	R1b	R1b	R-M343	R1b	AlterauerForensicSciIntGenet2020	unknown	1803	1743	1863	Germany_modern	Germany_modern	Burial crypts, cloister church of unknown	Germany
Balatonkeresztur1		46.7	17.4				R1b	R1b	R-M343	R1b	ReichLab2020(Carpathian_Basi..	18-17th centuries BC	-1700	-1800	-1600	Hungary_BA	Early Encrusted Pottery / Kisapostag culture	Balatonkeresztúr S16	Hungary
KV22	Amenhotep III	25.7	32.6	M		R1b (Athey)	R1b	R1b	R-M343	R1b	GadaCzechInstEgyptol2020	ca. 1386/1388 - 134..	-1368	-1386	-1349	Egypt_BA	20th dynasty	Valley of the Kings	Egypt
UN99		49.7	-1.74			R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	300-100 BC	-200	-300	-100	France_IA	Gaul	Urville-Nacqueville necropolis	France
GLN10		47.9	3.61	M		R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN119		47.9	3.61			R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
GLN21		47.9	3.61			R1b	R1b	R1b	R-M343	R1b	FischerJArchaeolSciRep2019	120-80 BC	-100	-120	-80	France_IA	Gaul	Gurgy 'Les Noisats', Southern Paris Basin	France
Gorzig5		51.7	12			R1b	R1b	R1b	R-M343	R1b	HarthunRechtsmedizin2015	Late Roman/Migrati..	550	500	600	Germanic	Late Roman/Germanic	Görzig, Saxony-Anhalt	Germany
244C		48.6	12.2	M		R1b	R1b	R1b	R-M343	R1b	VanekCroatMedJ2009	670 AD	670	640	700	Merovingian	Merovingian	Ergolding	Germany
244A		48.6	12.2	M		R1b	R1b	R1b	R-M343	R1b	VanekCroatMedJ2009	670 AD	670	640	700	Merovingian	Merovingian	Ergolding	Germany
244D		48.6	12.2	M		R1b	R1b	R1b	R-M343	R1b	VanekCroatMedJ2009	670 AD	670	640	700	Merovingian	Merovingian	Ergolding	Germany
244B		48.6	12.2	M		R1b	R1b	R1b	R-M343	R1b	VanekCroatMedJ2009	670 AD	670	640	700	Merovingian	Merovingian	Ergolding	Germany
HB02		49.9	16	M		R1b*	R1b	R1b	R-M343	R1b	VanekAnthropol2015	c. 1180 AD	1180	1080	1280	Czech_MA	German_MA	Church of St.Margaret, Podlazice	Czech Republic
Izvoz		58.9	28.8	M			R1b	R1b	R-M343	R1b	Chekunov2016	11th-16th c. AD	1300	1000	1600	Russia_MA	Russia_MA	Izvoz, St Petersburg area	Russia
MasovianPrince	Janusz or Stanisław	52.2	21			R1b	R1b	R1b	R-M343	R1b	OssowskiNews2017	10th - 14th c.	1520	1500	1526	Slav_West	Masovian Prince (Piast Dynasty)	John's Archcathedral in Warsaw	Poland
I6912	Grab 1, left lower first..	48.1	16.3	..	J1	BT	R1b	R1b?	R-M343	R1b?	NikitinSciRep2019	5500-4775 BCE	-5138	-5500	-4775	LBK	Early_LBK	Brunn am Gebirge	Austria
Individuum376		47.7	13.1	M		R1b	R1b	R1b?	R-M343	R1b?	CemperKiesslichSalzburg2010	La Tène A	-700	-450	-380	CEU_IA	La Tène	Putzenfeld am Dürrnberg, Hallein	Austria
I4315	UZ-JAR-004, Jarkutan	37.8	67	M	R2+13500+195	R1b1(xR1b1a)	R1bPH155*	R1b-BY14355	R-BY14355	R1b(2)	NarasimhanPattersonScience2019	1540-1455 calBCE (3..	-1511	-1540	-1455	BMAC	Dzharkutan_BA	Dzharkutan	Uzbekistan
SKT005	CA-8	49.2	101	M	F1b1f	R1b1 (R-M415; R-P25_1)	R1bPH155	R1b-PH155(xM335)	R-PH155	R1b2	JeongCell2020		-5	-150	120	Xiongnu	Early Xiongnu	Salkhityn Am, Khuvsgul	Mongolia
I13176	AT_678, 883	45.4	90.9	M	D4i	R1b1c	R1bPH155	R1b-pre-PH155	R-PH155*	R1b2*	WangNature2021	890-982 calCE (1115..	936	890	982	Mongolia_Med	Mongolia_Medieval	Khovd, Bulgan sum, Hudzhirtyn gol II, kurgan 1 b..	Mongolia
Vim2b	VIM_2, Grave 2022	44.7	21.2	U	H7	R1b	R1bPH155	R1b-M335	R-M335	R1b2a	VeeramahPNAS2018	525-575 CE	550	525	575	Gepid	Medieval Gepid	Viminacium-Više Grobalja	Serbia
DA81	Kyr 49	41.6	75	M	A16	R1b	R1bPH155	R1b-BY86775	R-BY86775	R1b2b2	DamgaardNature2018	166-412 calCE (1770..	294	166	412	Hun	TianShan Hun	Tian Shan	Kyrgyzstan
I13175	AT_679, 882	45.4	90.8	M	D4b1a2a	R1b1c	R1bPH155	R1b-BY86775	R-BY86775	R1b2b2	WangNature2021	408-537 calCE (1625..	467	408	537	Mongolia_IA	Mongolia_IA_Xianbei	Khovd, Bulgan sum, Uliastai deed denj II kurgan..	Mongolia
M15-1	M15-1	43.6	93.2	M	I1b	R1b1a1a2	R1bPH155	R1b-BY86775	R-BY86775	R1b2b2	NingCurrBiol2019	400-200 BCE	-300	-400	-200	China_West_IA	Post-Yanbulake Shirenzigou	Shirenzigou	China
M012	M012	43.6	93.2	M	U5a2	R1b1a1a2	R1bPH155	R1b-BY86775	R-BY86775	R1b2b2	NingCurrBiol2019	361-174 calBCE (21..	-274	-361	-174	China_West_IA	Post-Yanbulake Shirenzigou	Shirenzigou	China
SKT002	CA-19	49.2	101	M	G2a1e	R1b (R-M343)	R1bPH155	R1b-Y33147*	R-Y33147	R1b2b1	JeongCell2020	204-96 BCE	-159	-204	-96	Xiongnu	Early Xiongnu	Salkhityn Am, Khuvsgul	Mongolia
SKT006	CA-17	49.2	101	M	G2a1e	R1 (R-P236; R-M173)	R1bPH155	R1b-Y33147*	R-Y33147*	R1b2b1	JeongCell2020	168-52 BCE	-113	-168	-52	Xiongnu	Early Xiongnu	Salkhityn Am, Khuvsgul	Mongolia
DA41	XiongNu 94	49.3	102	M	G3a3	R1b	R1bPH155	R1b-Y33147*	R-Y33147	R1b2b1	DamgaardNature2018	351-54 calBCE (2147..	-198	-351	-54	Xiongnu	XiongNu West	Hovsgol, Grave #..	Mongolia
I3587	Grave 1	48.9	12.5	M	H1e1a	R1b1a	R1bL754	R1b-L754	R-L754	R1b1	SjögrenbioRxiv2019	2300-2150 BCE	-2225	-2300	-2150	Bell_Beaker	BK_Germany_BAV	Alburg-Lerchenhaid, Spedition..	Germany
I11919_I11920_I11..	494, I11920, 495, I11..	23.6	58.5	M	H2a2a1	Not reported	R1bL754	R1b-L754(xPH155;xM269;xPF..	R-L754	R1b1	HarneyCheronetbioRxiv2020	5,650-5,150 ybp	-3450	-3700	-3200	Oman_BA	Oman_BA	Ras al Hamra 5, Oman, Grave 2..	Oman
RISE1	Supposedly Obłaczkow..	52.3	17.5	M	K1b1a1	R1b	R1bL754	R1b-L754(xPF6323)	R-L754	R1b1	AllentoftNature2015	2866-2577 calBCE (4..	-2713	-2866	-2577	Poland_LNBA	Poland Corded Ware?/Bell Beaker?	Oblaczkowo	Poland
XN191	gr. 107/1977	48.8	9.18	M	I1	n/a	R1bL754	R1b-L754	R-L754	R1b1	RivollatSciAdv2020	5316-5081 calBCE (6..	-5249	-5316	-5081	LBK	Germany_LBK_SMH	Baden-Württemberg, Germany Stuttgart-Mühlha..	Germany
I3607	Obj. 335, grave 7	48.7	13.1	M	W3a1	R1b1a	R1bL754	R1b-L754	R-L754	R1b1	OlaldeNature2018	2500-2000 BCE	-2250	-2500	-2000	Bell_Beaker	BK_Germany_BAV	Künzing-Bruck, Lkr. Deggendorf	Germany
KhlopkovBugor6	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2019	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor3	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2020	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor4	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2021	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor5	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2022	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor2	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2023	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor10	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2024	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor7	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2025	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor8	Reference	51.6	46.6	M		R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2026	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
KhlopkovBugor9	Reference	51.6	46.6			R1b-L754	R1bL754	R1b-L754	R-L754	R1b1	AnthonyJIES2027	4500 BC	-4500	-4750	-4250	Khvalynsk	Khlopkov Bugor	Khlopkov Bugor	Russia
Bakhchisaray1		44.8	33.9			R1b1a(L754)	R1bL754	R1b-L754	R-L754	R1b1	SirotinIARAN2019	14th-15th c.	1400	1300	1500	Crimea_Khanate	Crimea_Khanate	Bakhchisaray	Ukraine
I3664	Seulo 68, Neo-Iron_47	39.9	9.23	M	H3	R1b1a(xR1b1a1a)	R1bPF6323	R1b-L754(xL389)	R-L754	R1b1(xR1b1a)	FernandesbioRxiv2019	1880-1700 calBCE (3..	-1790	-1880	-1700	Sardinia_Nuragic	Sardinia_Nuragic_BA	Sardinia, Seulo	Italy
I3743	SEULO 59	39.9	9.23	M	H+195!	R1b1a(xR1b1a1a)	R1bPF6323	R1b-L754(xL389)	R-L754	R1b1(xR1b1a)	FernandesNatEcolEvol2020	2136-1946 calBCE (3..	-2035	-2136	-1946	Sardinia_Nuragic	Sardinia_Nuragic_BA	Sardinia, Seulo	Italy
I5892	Mos59, Grave 33, 280	48.9	33.8	M	U4a1	R1b1a	R1bPF6323	R1b-L754(xL389)	R-L754	R1b1(xR1b1a)	MathiesonNature2018	5301-4952 calBCE (6..	-5119	-5301	-4952	Ukraine_N	Ukraine_Neolithic	Dereivka	Ukraine
VLASA32		44.5	22.1	M	U5a2a	R1b1	R1bL754	R1b-L754(xL389,xV88)	R-L754	R1b1(xR1b1a,xR1b1b)	MarchibioRxiv2020	9741-9468 calBP	-7655	-7791	-7518	Iron_Gates_HG	Iron Gates LM	Vlasac	Serbia
Villabruna	Villabruna	46.2	12.2	M	U5b2b	R1b1a	R1bL754*	R1b-L754(*?xPF6323,xP297,x..	R-L754*	R1b1(xR1b1b,xR1b1a1,xR1b..	FuNature2016	12268-11851 calBCE	-12071	-12268	-11851	Palaeolithic_Epigravettian	Villabruna	Villabruna	Italy
I4081	OSTCOR1a+OSTCOR1..	44.5	22.7	M	H13	R1b1a	R1bL754	R1b-L754(xP297,xV1636,xPF6..	R-L754	R1b1(xR1b1b~)	MathiesonNature2018	7581-7191 calBCE (8..	-7419	-7581	-7191	Iron_Gates_HG	Iron_Gates_HG	Ostrovul Corbului	Romania
I3775	T-266	42	2.31	M	H3t	R1b1a1	R1bL754	R1b-L389	R-L389	R1b1a	OlaldeScience2019	600-700 CE	650	600	700	Iberia_EMA	North East Iberia Early Medieval	L'Esquerda, Roda de Ter, Barcelona, Catalonia	Spain
Ekaterinovka4	Reference	53.1	49.4			R1b-P312	R1bL754	R1b-L389	R-L389	R1b1a	KhokhlovSamaran2018	4th quarter 5th mil.	-4600	-4700	-4500	Khvalynsk	Ekaterinovsky Cape	Ekaterinovsky Cape	Russia
Ekaterinovka3	Reference	53.1	49.4			R1b-U106	R1bL754	R1b-L389	R-L389	R1b1a	KhokhlovSamaran2018	4th quarter 5th mil.	-4600	-4700	-4500	Khvalynsk	Ekaterinovsky Cape	Ekaterinovsky Cape	Russia
Ekaterinovka1	Reference	53.1	49.4			R1b-P312	R1bL754	R1b-L389	R-L389	R1b1a	KhokhlovSamaran2018	4th quarter 5th mil.	-4600	-4700	-4500	Khvalynsk	Ekaterinovsky Cape	Ekaterinovsky Cape	Russia
Ekaterinovka2	Reference	53.1	49.4			R1b-P312	R1bL754	R1b-L389	R-L389	R1b1a	KhokhlovSamaran2018	4th quarter 5th mil.	-4600	-4700	-4500	Khvalynsk	Ekaterinovsky Cape	Ekaterinovsky Cape	Russia
I10940	121	36.1	-5.34	M	H1e1a	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	OlaldeScience2019	1900-1400 BCE	-1650	-1900	-1400	Iberia_BA	SW_Iberia_BA	Bray Cave, Gibraltar	Gibraltar
AMV-CO_3		39.2	21		H2a1	R1b1b	R1bP297	R1b-P297	R-P297	R1b1a1	PsonisIMBB2018	470-30 BC	-220	-470	-30	Greece_Ancient	Corinthian	Ancient Ambracia	Greece
OTTM_154	OTTM_154	48.2	10.8	M	H3	CT	R1bP297	R1b-P297	R-P297	R1b1a1	MittnikScience2019	1943-1543 calBCE (3..	-1759	-1943	-1543	CEU_MBA	MBA Lech Valley	Oberottmarshausen – Kiesgrub..	Germany
I8344	10-SU-28-D1-E-74	42.1	3.11	M	H3	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	OlaldeScience2019	500-400 BCE	-450	-500	-400	Iberia_Hel	NE Iberia Hellenistic (Empúries1)	Empúries, Girona, Catalonia	Spain
I3326	4979	42	3.08	M	J1c	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	OlaldeScience2019	250-200 BCE	-225	-250	-200	Iberia_IA	Iberian culture	Puig de Sant Andreu, Ullastret, Girona, Catalonia	Spain
VAD002	E47	42.4	-2.89	M	J2b1a2	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	OlaldeScience2019	1900-1500 BCE	-1700	-1900	-1500	Iberia_BA	North Iberia BA	Valdescusa, Hervías, La Rioja	Spain
I5530	F0178	48.7	11.3	M	K1b1a1	CT	R1bP297	R1b-P297	R-P297	R1b1a1	OlaldeNature2018	2800-1800 BCE	-2300	-2800	-1800	Bell_Beaker	BK_Germany_BAV	Weichering, Bavaria	Germany
PECH3		43	2.96		V	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	BrunelPNAS2020	600-300 calBC	-450	-600	-300	France_LIA	"La Tène"	Sigean	France
I4248	RISE916	48.8	12.8	M	T2b+152	R1b1a1a	R1bP297	R1b-P297	R-P297	R1b1a1	SjögrenbioRxiv2019	2500-2000 BCE	-2250	-2500	-2000	Bell_Beaker	BK_Germany_BAV B1	Irlbach, County of Straubing-Bo..	Germany
RISE413	#11	40.1	45.3	M	T2c1f	R1b1a	R1bP297	R1b-P297	R-P297	R1b1a1	AllentoftNature2015	1919-1696 calBCE (3..	-1814	-1919	-1696	Armenia_MLBA	Nerquin_Getashen_MLBA	Nerquin Getashen	Armenia
Kivisaare3		58.3	26.1		U5a2d	R1b1a	R1bP297*	R1b-P297(xM269,x13202)	R-P297	R1b1a1	MittnikNatCommun2018	4776-4542 calBCE (4..	-4644	-4776	-4542	Baltic_EMN	Narva Culture	Kivisaare, Estonia	Estonia
Bol11	Bol	49.9	87.9	M		R1b1a	R1bP297	R1b-P297	R-P297	R1b1a1	Hollard2014	Eneolithic	-4000	-4500	-3500	Altai_LN	Bol'shemysskaya	Tyteksen-VI, Altai	Russia
ALN004	Alai / Nura I, II, Tuyuk..	41.4	71.5	M		R1b1a2(R-PF6475,R-M269)	R1bP297	R1b-P297	R-P297	R1b1a1	GnecchiRusconeSciAdv2021	253-404 calAD	329	253	404	Steppe_Central_Nomad_I..	Alai_Nura_300CE	Alai / Nura I, II, Tuyuk II Burials #360/5	Kyrgyzstan
I4630	ZVEJ30	56.3	25.1	M	U5a2c	R1b1a(xR1b1a2)	R1bP297*	R1b-P297(xM269;xY13202)	R-P297*	R1b1a1*	MathiesonNature2018	7471-7073 calBCE (8..	-7268	-7471	-7073	Baltic_HG	Latvia_HG	Zvejnieki	Latvia
I12648	UE 1117	39.5	-0.38	M	H1	R1b1a1b	R1bM269	R1b-M269	R-M269	R1b1a1b	OlaldeScience2019		1200	1100	1300	Iberia_Muslim	Muslim	Carrer Sagunto 49, València, Valencia	Spain
VK411	Denmark_Galgedil TT	55.5	10.3	M	H1a1	F	R1bM269	R1b-M269	R-M269	R1b1a1b	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Viking Denmark	Funen	Denmark
QUIN58	QUIN58	43.3	1.96	M	H1ah	R1b1a1a2	R1bM269	R1b-M269	R-M269	R1b1a1b	BrunelPNAS2020	2100-1200 BCE	-1650	-2100	-1200	France_EMBA	Early/Middle Bronze Age	Castelnaudary	France
VK269	Sweden_Karda 24	57.2	13.9	M	H1e1a	R1b1a1b	R1bM269	R1b-M269	R-M269	R1b1a1b	MargaryanNature2020	800-1100 CE	950	800	1100	Viking	Viking Sweden	Karda	Sweden
I3486	S-EVA 26078	38.6	-0.86	M	H1q	R1b1a1a	R1bM269	R1b-M269	R-M269	R1b1a1b	OlaldeScience2019	1750-1500 BCE	-1600	-1700	-1500	Iberia_BA	SE_Iberia_BA	Cabezo Redondo, Villena, Alacant/Alicante, Valen..	Spain
ELW008		49	10.1	M	H1b1-T16362C		R1bM269	R1b-M269	R-M269	R1b1a1b	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern	Ellwangen	Germany
OTTM_152	OTTM_152	48.2	10.8	M	H13a1a1	R1b1a1b	R1bM269	R1b-M269(Z381?)	R-M269	R1b1a1b	MittnikScience2019	1620-1455 calBCE (3..	-1563	-1620	-1505	CEU_MBA	MBA Lech Valley	Oberottmarshausen – Kiesgrub..	Germany
ELW003		49	10.1	M	H13a2b2a		R1bM269	R1b-M269	R-M269	R1b1a1b	ImmelMolBiolEvol2021	1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern	Ellwangen	Germany
CLR1		43.7	4.24		H3-16311	R1b1a1a2	R1bM269	R1b-M269	R-M269	R1b1a1b	BrunelPNAS2020	400-300 calBC	-350	-400	-300	France_LIA	"La Tène"	Le Cailar	France

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-DNA	Y-Simple	Source	Mean	Simplified_Culture	Country
VK239	Faroe_5	61.9	-6.8	M	H5	R1b1a1b	R1bM269	MargaryanNature2020	1600	Nordic_MA	Faroes
I3596	Grave 11	48.9	12.5	M	H+16129	R1b1a2	R1bM269	OlaldeNature2018	-2225	Bell_Beaker	Germany
Koban2		43.9	42.7	M	J1c/J1b1	E1a2a1b1b	R1bM269	BoulyginaJArchaeolSciRep2020	-750	Scythian	Russia
DA189	OS8	50.5	37	M	J1b4	R1	R1bM269	DamgaardNature2018	800	Saltovo_Mayaki	Russia
I8343	05-SMG-8075	42	3.11	M	J1c2c2		R1bM269	OlaldeScience2019	647	Iberia_Roman_Late	Spain
VK215	Denmark_Gerdrup-B;	55.7	12.1	M	J1c2k	R1b1a1b	R1bM269	MargaryanNature2020	850	Viking	Denmark
CBV95	CBV95	49.4	3.46	M	J2a1a1	R1b1a1/R1b1a1a2	R1bM269	BrunelPNAS2020	-2497	Bell_Beaker	France
ELW017		49	10.1	M	J2a1a1a2		R1bM269	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
RISE524	Square E-7, N:25, soul	53	57.1	..	J2b1a		R1bM269	AllentoftNature2015	-1050	Steppe_MLBA_West	Russia
SNN004	SSSN 1107ÅŠ	40.7	8.56	M	J2b1a7		R1bM269	MarcusNatCommun2020	1276	Sardinia_MA	Italy
pir001	P1/1988/67/1	37.4	-4.2	M	K1a13	R1b-M269	R1bM269	ValdioseraPNAS2018	-1775	El Argar	Spain
AITI_55		48.2	10.8	M	K1c1		R1bM269	MittnikScience2019	-1822	CEU_EBA	Germany
VK268	Sweden_Karda 22	57.2	13.9	M	K1c1	R1b1a1b	R1bM269	MargaryanNature2020	950	Viking	Sweden
AIG005	Aigyrly sanctuary ind	43.7	51.3	M	K2a5b	R1(R-P234,R-M173)	R1bM269	GnecchiRusconeSciAdv2021	137	Sarmatian	Kazakhstan
I5755	BB_01_MXI	46.2	7.35	M	K2b1a		R1bM269	OlaldeNature2018	-2225	Bell_Beaker	Switzerland
VK424	Sweden_Skara 273	58.4	13.7	M	K2b1a1	R1b1b1a1a1a1c2b1	R1bM269	MargaryanNature2020	1050	Viking	Sweden
BIS130	BIS130	48.1	7.44	M	K2b1b	R1b1a1a2	R1bM269	BrunelPNAS2020	-1900	France_EBA	France
Temyasovo3		53	58.1	M	D4q	R1b1a1a2	R1bM269	SungatovUfaArcheolHerald2020	-160	Sarmatian	Russia
ELW026		49	10.1	M	D4q	R1b1a1a2	R1bM269	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
pcw160	post27360	50	22.6	M	I2	n/a	R1bM269	LinderholmSciRep2020	-2349	Niche_Graves	Poland
PEY163	PEY163	43.3	3.48	M	W1g	R1b1a1a2	R1bM269	BrunelPNAS2020 from Fischer2	-300	France_LIA	France
I3401	R22	30.3	79.7	M	W1+119	R1b1a	R1bM269	HarneyNatCommun2019	1800	India_Modern	India
VK211	Poland_Cedynia gr. 4	52.9	14.2	M	W6	R1b1a1b	R1bM269	MargaryanNature2020	1150	Nordic_MA	Poland
SerosFemur 1		42.5	-0.67		H	R1b1a2	R1bM269	NuñezCroatMedJ2011	838	Iberia_EMA	Spain
BRC024		45.5	11.6	M	HV0a	R1	R1bM269	SaupeCurrBiol2021	-1689	Italy_BA	Italy
EUG11	EUG11	43.2	2.31	M	V	R	R1bM269	BrunelPNAS2020	-1932	France_EBA	France
I7687	GM-504	40.1	-8.52	M	V	R1b1a1a	R1bM269	OlaldeScience2019	-950	SW_Iberia_BA	Portugal
I3488	S-EVA 22926	38.6	-0.86	M	HV0+195	R1b1a1a2	R1bM269	OlaldeScience2019	-1625	SE_Iberia_BA	Spain
I2181	21	43.1	27	M	HV15	R:P280:21843090C->…	R1bM269	MathiesonNature2018	-4508	Balkans_CA	Bulgaria
I3604	Obj. 278, grave 9	48.7	13.1	M	HV9	R1b1a	R1bM269	OlaldeNature2018	-2250	Bell_Beaker	Germany
UNTA58_153	UNTA58_153	48.3	10.9	M	R1a1a	R1b1a2a	R1bM269	MittnikScience2019	-1889	CEU_EBA	Germany
ELW040		49	10.1	M	T		R1bM269	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
KON005	KON005.A0101.TF1.1	50.6	13.7	M	U		R1bM269	PapacSciAdv2021	-2727	Corded_Ware	Czech Republic
MummyEgypt3	1.1a 1290	25.7	32.6	M	L3h1	R1b - M269	R1bM269	YatsishinaCrystallogrRep2021	-500	Egypt_Pre_Ptolemaic_Pto	Egypt
Koban11		43.7	43.5	U	W5a/N	R1b1a1b	R1bM269	BoulyginaJArchaeolSciRep2020	-500	Scythian	Russia
VAS79-2		49.4	3.49	M	T2b	R1b1a1b	R1bM269	Fischer2019	-400	France_IA	France
AMPA_1_d	AMPA_1,AMP_1_d, A	48.3	10.9	M	T2b33	P1/K2b2a	R1bM269	MittnikScience2019	-2406	Bell_Beaker	Germany
I5657	RISE921	48.8	12.8	M	T2b+152	R1b1a2	R1bL51	OlaldeNature2018	-2250	Bell_Beaker	Germany
BIY011	Mountain Bitiya #228	55	73.4	M	U4a1	R1(R-P225,R-M173)	R1bM269	GnecchiRusconeSciAdv2021	-200	Sargat	Russia
PIR3037AB	PIR3037AB	43.3	3.22	M	U4c1a	R1b1a1a2	R1bM269	BrunelPNAS2020	-2045	France_EBA	France
Bartym3	Bartim16/B	55.8	57.5	F	U4d2	R1b1a1a2	R1bM269	CsákySciRep2020	509.5	Urals_Cis_EMA	Russia
UN129		49.7	-1.74	M	K	R1b1a1b	R1bM269	FischerJArchaeolSciRep2019 and Fischer2019	-200	Gaul	France
ORD004	Ordona	41.3	15.6	F	U8b1b1	R1b-M269 (classified as female?) - it probably refers to ORD009	R1bM269	AnelibioRxiv2021	-442	Apulia_IA	Italy
I3866	T-264	42	2.31	M	U5a1b1	R1b1	R1bM269	OlaldeScience2019	650	Iberia_EMA	Spain
I18794	OnlineReport	42.3	26.6		U5a2b	R1b1a1b(xR1...)	R1bM269	ReichLab2020(SE_Europe)	-2850	Balkans_EBA	Bulgaria
I4253	RISE1124, grave 13	50.6	21.7	M	U5a2c	R1b1a2	R1bM269	OlaldeNature2018	-2316	Bell_Beaker	Poland
KON 6	M85	47.6	17.4	F	U5b1	R1b1a2	R1bM269	SzécsényiNagyProcRSocLondB2015	-1855	Balkans_BA	Hungary
SGR002	San Giovanni Rotondo	41.7	15.7	M	U5b1d1	R1b-M269	R1bM269	AnelibioRxiv2021	-503	Apulia_IA	Italy
I3492	S-EVA 26043	40.9	-5.35	M	U5b1+16189+@16189	R1b1a1a2(xR1b1a1a2a1a2c)	R1bM269	OlaldeScience2019	-1500	Iberia_BA	Spain
Temyasovo1		53	58.1	M	U5b2b	R1b1a1a2?	R1bM269	SungatovUfaArcheolHerald2020	-226	Sarmatian	Russia
HUGO_180Sk2	HUGO_180Sk2	48.3	10.9	M	U5b2b4	F	R1bM269	MittnikScience2019	-2357	Bell_Beaker	Germany
I8210	10-SU-28-D1-E-91	42.1	3.11	M	U5b3	R1b1a1a2	R1bM269	OlaldeScience2019	-425	Iberia_Hel	Spain
VK426	Sweden_Skara 216	58.4	13.7	M	U6a1a1	R1b1a1b	R1bM269	MargaryanNature2020	1050	Viking	Sweden
OTTM_156	OTTM_156	48.2	10.8	M	V1b	R/K2b2a2	R1bM269	MittnikScience2019	-1498	CEU_MBA	Germany
MX310	Burgäschisee A1F (exc	47.1	7.41	..	..	R1b1a2	R1bM269	FurtwaenglerNatCommun2020	-2722	Switzerland_FN_EBA	Switzerland
GranCanaria18		27.9	-15.5			R1b1b2*	R1bM269	FregelBMCEvolBiol2009	870	Canarias_Guanche	Spain
GranCanaria20		27.9	-15.5			R1b1b2*	R1bM269	FregelBMCEvolBiol2009	870	Canarias_Guanche	Spain
GranCanaria19		27.9	-15.5			R1b1b2*	R1bM269	FregelBMCEvolBiol2009	870	Canarias_Guanche	Spain
YaroslavlYDNA1		57.6	39.9			R1b1b2-M269	R1bM269	AlborovaMustafinMFTI2020	1250	Slav_East	Russia
YaroslavlYDNA3		57.6	39.9			R1b1b2-M269	R1bM269	AlborovaMustafinMFTI2020	1250	Slav_East	Russia
YaroslavlYDNA2		57.6	39.9			R1b1b2-M269	R1bM269	AlborovaMustafinMFTI2020	1250	Slav_East	Russia
HUGO_180Sk1	HUGO_180Sk1	48.3	10.9	M	U5b2b4	R1b1a2	R1bM269	MittnikScience2019	-2339	Bell_Beaker	Germany
I12641	CRCRV110-ADNUB52	41.5	2.13	M	HV0d	R1b1a2	R1bM269	OlaldeScience2019	-649	Iberia_IA	Spain
RISE550	Kurgan 1, grave 3	46.6	43.7	M	U5a1i	R1b1a2	R1bL23	AllentoftNature2015	-2966	Yamnaya	Russia
I0439	Kurgan 1, Grave 1, SV	53.6	50.7	M	U5a1a1	R1b1a2	R1bM269	MathiesonNature2015	-3071	Yamnaya	Russia
I0980	972, kurgan 2, trench	52.8	60.5	M	H13a1a	R1b1a2	R1bL23	NarasimhanPattersonScience2019	-1875	Sintashta	Russia
I7670	Grachyevka I, k. 1, sar	53.6	50.6	M	J1c1b1a	R1b1a2	R1bM269	NarasimhanPattersonScience2019	-2008	Potapovka	Russia
ASH067	38.74.L963 [ASH0074]	31.7	34.6	M	H92	R1	R1bM269	FeldmanSciAdv2019	-1256	Levant_IA	Israel
I4251	RISE1122, grave 7	50.6	21.7	M	H1	R1b1a2	R1bM269	OlaldeNature2018	-2269	Bell_Beaker	Poland
I5660	RISE925	48.8	12.8	M	T1a1	R1b1a2	R1bM269	OlaldeNature2018	-2250	Bell_Beaker	Germany
I4178	GEN_58, Grave 552	47.4	19	M	J1c1b1a	R1b1a2	R1bL151*	OlaldeNature2018	-2350	Bell_Beaker	Hungary
RISE47	N 358 grave 3 skeleton	57	9.55	M	I	R1b1a2	R1bM269	AllentoftNature2015	-1430	Nordic_BA	Denmark
RISE546	Kurgan 1, grave 13	46.5	43.7	M	U5a1d2b	R1b1a2	R1bL23	AllentoftNature2015	-2900	Yamnaya	Russia
I2575	Grave S. 14	44	5.81	M	K1c1	R1b1a2	R1bM269	OlaldeNature2018	-2373	Bell_Beaker	France
I12855	TE'17 BO UF73	38.6	-2.84	M	K1a+195	R1b1a2	R1bM269	OlaldeScience2019	-1825	Iberia_BA	Spain
I6534	HB0030	50.1	18.1	M	T2e1	R1b1a2	R1bM269	OlaldeNature2018	-2287	Bell_Beaker	Poland
I12809	TE'15 BO 1257-56, Tu	38.6	-2.84	M	H1j	R1b1a2	R1bM269	OlaldeScience2019	-1825	Iberia_BA	Spain
I1530	ROT1, ROT1_4446, KC	51.5	11.5	M	H3ao	R1b1a2	R1bM269	MathiesonNature2015	-2316.5	Bell_Beaker	Germany
I3778	T-269	42	2.31	M	H4a1	P~	R1bM269	OlaldeScience2019	650	Iberia_EMA	Spain
FAD2		43.2	2.4		H1-16189	R1b1a1b1	R1bL23		-1602	France_MBA	France
I10359	S10359.E1.L1	32.6	35	M	J1d1a1	J2a	R1bL23	AgranatTamirCell2020	-1562	Levant_South_MLBA	Israel
I10361	S10361.E1.L1	32.6	35	M	J1d1a1	n/a (<50000 autosomal)	R1bL23	AgranatTamirCell2020	-1550	Levant_South_MLBA	Israel
I6711	StPet42, collection 61	54.4	90.9	M	J2a2a	R1b1a1a2a	R1bL23	NarasimhanPattersonScience2019	-2800	Afanasievo	Russia
Aaf11	AAf	49.9	87.9		R	R1b1a1a-P297	R1bL23	HollardAmJPhysAnthropol2018	-3050	Afanasievo	Russia
VK267	Sweden_Karda 21	57.2	13.9	M	T2b4b	R1b	R1bL23	MargaryanNature2020	950	Viking	Sweden
POP17	SU1383 U645	45.3	18.7	M	T2e	R1b1a1a2a2	R1bL23	FreilichSciRep2021	-2775	Croatia_CA	Croatia
I11723		44	43.1	M	U5b2a1a	R1b1a1a2a	R1bL23	WangNatCommun2019	-2746	Yamnaya	Russia
MJ-53	UT-7-17	49.1	75.2	M?	U5b2b	R1-?	R1bL23	JärveCurrBiol2019	-296	Tasmola	Kazakhstan
CL110	CL110	45.1	7.58	M	n/a (<2x)	R1b1a2a	R1bL23	AmorimNatCommun2018	605	Germanic	Italy
CL97	CL97	45.1	7.58	M	n/a (<2x)		R1bL23	AmorimNatCommun2018	605	Germanic	Italy
Kh21	Kaf	54	90.7	M	H1bv1	R1b1a1a2a-L23	R1bL23	HollardAmJPhysAnthropol2018	-2735	Afanasievo	Russia
Kh20	Kaf	54	90.7	M	C	R1b1a1a2a-L23	R1bL23	HollardAmJPhysAnthropol2018	-3050	Afanasievo	Russia
Kh22	Kaf	54	90.7	M	H/U	R1b1a1a2a-L23	R1bL23	HollardAmJPhysAnthropol2018	-2735	Afanasievo	Russia
Kh7	Kaf	54	90.7	M	J	R1b1a1a2a-L23	R1bL23	HollardAmJPhysAnthropol2018	-2350	Afanasievo	Russia
pcw110	post684	50	22.6	M	T1	R1b1a1a2	R1bL23	LinderholmSciRep2020	-2350	Niche_Graves	Poland
I7691	MC3-945-NÃ_2	39.7	-8.13	M	J1c1	R1b1a1a2a1	R1bL51	OlaldeScience2019	-1950	Iberia_BA	Portugal
I12032	PH'06-1183	42	2.81	M	C4a1a+195	R1b1a1a2a1	R1bL51	OlaldeScience2019	600	Iberia_Roman	Spain
I2464	62260_39	51.2	-1.75	M	I2	R1b1a1a2a1	R1bL51	OlaldeNature2018	-1665	Britain_CA_EBA	Great Britain
I4134	I5022, RISE564, F0241	48.7	13	M	HV+16311	R1b1a2	R1bL51	OlaldeNature2018 1240k of sar	-2300	Bell_Beaker	Germany
Niederstotzingen3	NIEcap3, tooth15 and	48.5	10.2	M	T2	R1b1a2	R1bL51	SullivanSciAdv2018	535	Germanic	Germany
AITI_40		48.2	10.8	M	T2a1b1a1b	R1b1a2	R1bL51	MittnikScience2019	-1796	CEU_EBA	Germany
EHU001	UE 750	42.4	-3.48	M	U5a1b1	R1b1a1a2a1(xR1b1a1a2a1a2a5)	R1bL51	OlaldeScience2019	-2171	Iberia_CA	Spain
YamnayaHungary6		48.6	21.3				R1bL51	ReichLab2020(Carpathian_Basin)	-2600	Yamnaya	Slovakia
YamnayaHungary7		48.8	21.8				R1bL51	ReichLab2020(Carpathian_Basin)	-2530	Yamnaya	Slovakia
WEZ40		53.8	13.3	M	T1a1	R1b1a2a1	R1bL51	BurgerCurrBiol2020, first reported in Sell2017	-1250	CEU_MLBA	Germany
WEZ53		53.8	13.3	M	U2e2a1a2	R1b1a2	R1bL51	BurgerCurrBiol2020, first reported in Sell2017	-1250	CEU_MLBA	Germany
I12561	S-EVA17196, ROD.03/	37.5	-5.98	M	H1	R1b1a1a2a1a	R1bP310	OlaldeScience2019	-600	Iberia_IA	Spain
GLN126		47.9	3.61	M	H1e	R1b1a1b1a1	R1bP310	FischerJArchaeolSciRep2019 and Fischer2019	-100	France_IA	France
I3588	Grave 2	48.9	12.5	M	H1e1a	R1b1a2a1a	R1bP310	OlaldeNature2018	-2225	Bell_Beaker	Germany
PECH5	PECH5	43	2.96	M	H1ab	R1b-P310	R1bP310	BrunelPNAS2020 from Fischer2	-450	France_LIA	France
SI-47	SI-47	33.6	35.4	M	H2a5	R-M269	R1bP310	HaberAJHG2019	1150	Levant_MA	Lebanon
I3238	TDPAD-04	43.4	-5.98	M	H3+152	R1b1a1a2a	R1bP310	OlaldeScience2019	-2350	Iberia_CA	Spain
VK75	Greenland late-0929	64.3	-50.1	M	H54	R1b1a1b1a1	R1bP310	MargaryanNature2020	1019	Late_Norse	Greenland
I3484	TEBO'04 Tumba 4 Ind	38.6	-2.84	M	J1c1	R1b1	R1bP310	OlaldeScience2019	-2124	C_Iberia_CA	Spain
RISE471	burial 1	48.2	10.8	M	J1c1b	R1b1a2a1a	R1bP310	AllentoftNature2015	-1593	CEU_MBA	Germany
I10768	S10768.E1.L1	32.6	35	M	J2a2a2	R1b1a1a2	R1bP310	AgranatTamirCell2020	-1550	Levant_South_MLBA	Israel
VAD005	E77	42.4	-2.89	M	J2b1a2	R1b1a1a2a1a(xR1b1a1a2a1a2c)	R1bP310	OlaldeScience2019	-1640	Iberia_BA	Spain
I2472	ES.3/4-4	42.6	-2.62	M	K1a+195	R1b1a1a2a1a	R1bP310	OlaldeScience2019	-1478	Iberia_BA	Spain
I2416	25004 (Boscombe Bow	51.2	-1.77	M	K1b1a1	R1b1a1a2a1a	R1bP310	OlaldeNature2018	-2301	Bell_Beaker	Great Britain
TU918(SX32)	TU918, Tombe E Ruba	48.6	7.68	..	N1n1n	R1b1a1a2a1a	R1bP310	FurtwaenglerNatCommun2020	-2339	France_FN_EBA	France
I6537	HB0049	50.1	18.2	M	I1a1	R1b1a1a2a1a	R1bP310	OlaldeNature2018	-2180	Epi_Corded_Ware	Poland
I19458	OnlineReport	42.5	26		W	R1b1a1b1a1(xR1...)	R1bP310	ReichLab2020(SE_Europe)	-2850	Balkans_EBA	Bulgaria
I5373	CPC98314	53.1	-1.64	M	X2b+226	R1b1a1a2a1a	R1bP310	OlaldeNature2018	-2084	Britain_CA_EBA	Great Britain
PSS4170	PSS4170	48.5	3.6	M	H	R1b1/R1b1a1a2a2a	R1bP310	BrunelPNAS2020	-2080	France_EBA	France
I2598	12134	51.2	-1.77	M	H	R1b1a1a2a1a	R1bP310	OlaldeNature2018	-2048	Bell_Beaker	Great Britain
UNTA85_1412	UNTA85_1412	48.3	10.9	M	H	R1b1a2	R1bP310	MittnikScience2019	-1960	CEU_EBA	Germany
VLI081	VLI081.B0101.TF1.1	50.4	14.4	M	L1'2'3'4'5'6	R1b - P310	R1bP310	PapacSciAdv2021	-2700	Corded_Ware	Czech Republic
RISE276	bog find 1940	55.9	11.6	M	T2b	R1b1a2	R1bP310	AllentoftNature2015	-662	Nordic_LBA	Denmark
SI-40	SI-40	33.6	35.4	M	U5a1g	R-P311	R1bP310	HaberAJHG2019	1150	Levant_MA	Lebanon
I6588	Hume 10A, 4552	40.2	-3.76	M	U5b2b3	R1b1a1a2a1a	R1bP310	OlaldeScience2019	-2250	Bell_Beaker	Spain
MX304	Auvernier A297	46.6	6.52	..	..	R1b1a1a2a1a	R1bP310	FurtwaenglerNatCommun2020	-2725	Switzerland_FN_EBA	Switzerland
ALT_4		49.5	9.74	M	U5a1a1	R1b1a1a2a1a	R1bP310		-2503	CEU_FN_EBA	Germany
pcw041	post2043_I	49.9	22.9	M	J1c2c	R1b1a1a2	R1bP310*	LinderholmSciRep2020	-2455	Niche_Graves	Poland
pcw070	post11876	49.9	22.9	M	I2	R1b1a1a2	R1bP310*	LinderholmSciRep2020	-2371	Niche_Graves	Poland
I6222	SHT001_AT_26, Grave	46.4	101	M	R or N1a1a1a1	R1b1a1a2	R1bP310*	WangNature2021	-3059	Afanasievo	Mongolia
E09568_d	Grave 8 Skeleton 1	48.3	10.9	M	U5b2b	R1b1a1a2a1a	R1bP310*	OlaldeNature2018	-2335	Bell_Beaker	Germany
pcw040	post2040A	49.9	22.9	M	U5b2b1a1	R1b1a1a2	R1bP310*	LinderholmSciRep2020	-2455	Niche_Graves	Poland
pcw361	post253/E	50.5	23.7	M	K1a4b	R1b1a1a2a1a	R1bFT377377	LinderholmSciRep2020	-2350	Niche_Graves	Poland
pcw350	post22	50.5	23.7	M	T1a1	R1b1a1a2	R1bFT377377	LinderholmSciRep2020	-2343	Niche_Graves	Poland
pcw362	post253/W	50.5	23.7	M	U5a1a2a	R1b1a1a2a1a	R1bFT377377	LinderholmSciRep2020	-2355	Niche_Graves	Poland
I0805	QLB26, QLB26a_1032	51.8	11.1	M	H1*	R1b1a1a2	R1bL151	MathiesonNature2015	-2302	Bell_Beaker	Germany
KOV-A2	KOV-A2	64.1	-21.9	M	H1	unknown	R1bL151	EbenesersdottirScience2018	1714	Nordic_MA	Iceland
I3487	S-EVA 26688	38.6	-0.86	M	H1e1a	R1b1a1a2a1a	R1bL151	OlaldeScience2019	-1653	SE_Iberia_BA	Spain
I7288	RDVS_59/80-I1	50.4	14.1	M	H1m	R1b1a1a2	R1bL151	OlaldeNature2018	-2250	Bell_Beaker	Czech Republic
PIR3116B	PIR3116B	43.3	3.22	M	H2a1e	R1b1	R1bL151	BrunelPNAS2020	-2220	France_EBA	France
I7423	Individuo 34bis	37	-3.55	M	H20c	R1b1a1a2a1a	R1bL151	OlaldeScience2019	1550	Iberia_Muslim	Spain
I4145	I5024, RISE566, F0521	50.1	14.3	M	H3	R1b1a1a2a1a	R1bL151	OlaldeNature2018 1240k of sar	-2139	Bell_Beaker	Czech Republic
I5757	BB_18_MXI	46.2	7.35	M	H3af	R1b1a1a2a1a	R1bL151	OlaldeNature2018	-2225	Bell_Beaker	Switzerland
VK217	Sweden_Ljungbacka	55.5	13.1	M	J1b1b1	R1b1a1a2a1a	R1bL151	MargaryanNature2020	1000	Viking	Sweden
I4559	GC.2.127.n147	41.3	1.06	M	J1c1	R1b1a1a2a1a(xR1b1a1a2a1a2c)	R1bL151	OlaldeScience2019	-1600	Iberia_BA	Spain
I6679	UK_LH3	55.3	-1.55	M	J1c1b1	R1b1a1a2a1a	R1bL151	OlaldeNature2018	-1986	Bell_Beaker	Great Britain
VLI085	VLI085.B0101.TF1.1	50.4	14.4	M	J1c2m	R1b - L151	R1bL151	PapacSciAdv2021	-2719	Corded_Ware	Czech Republic
AITI_50		48.2	10.8	M	J1c3	R1b1a1a2a1a	R1bL151	MittnikScience2019	-1823	CEU_EBA	Germany
VAD004	E74	42.4	-2.89	M	J1c3	R1b1a1a2a1a(xR1b1…)	R1bL151	OlaldeScience2019	-1700	Iberia_BA	Spain
I8570	ID6	40.1	0.11	M	J1c3	R1b1a1a2a1a(xR1b1a1a2a1a2a5)	R1bL151	OlaldeScience2019	-1400	SE_Iberia_BA	Spain
VK57	Gotland_Frojel-03601	57.3	18.2	M	J1c6	R1b1a1a2a1a	R1bL151	MargaryanNature2020	975	Viking	Sweden
I3327	4980	42	3.08	M	J2b1a	R1b1a1a2a1a	R1bL151	OlaldeScience2019	-225	Iberia_IA	Spain
I4951	DZSWS:X133.1	51.2	-1.76	M	K1b1a1	R1b1a1a2a1a	R1bL151	OlaldeNature2018	-2300	Bell_Beaker	Great Britain
I5661	RISE926	48.8	12.8	M	K1b1b1	R1b1a1a2	R1bL151	OlaldeNature2018	-2250	Bell_Beaker	Germany
HW14	HillOfWard14	53.6	-6.89	M	K1c1	R1b1a1a2a1a	R1bL151	Cassidy2017	478	Ireland_LIA	Ireland
I8202	02-SU-33-A4-T1077	42.1	3.11	M	K2b1	R1b1a1a2a1a	R1bL151	OlaldeScience2019	200	Iberia_Roman	Spain
VLI092	VLI092.A0101.TF1.1	50.4	14.4	M	N1a1a1a2	R1b - L151	R1bL151*	PapacSciAdv2021	-2776	Corded_Ware	Czech Republic
STD002	STD002.B0101.TF1.1	50.6	14	M	I1a	R1b - L151	R1bL151*	PapacSciAdv2021	-2778	Corded_Ware	Czech Republic
VLI015	VLI015.A0101.TF1.1	50.4	14.4	M	N2	R1b - L151	R1bL151*	PapacSciAdv2021	-2775	Corded_Ware	Czech Republic
VLI011	VLI011.B0101.TF1.1	50.4	14.4	M	W3a1c	R1b - L151	R1bL151*	PapacSciAdv2021	-2775	Corded_Ware	Czech Republic
I3323	4975+4977	42	3.08	M	X2b	R1b1a1a2a1a(xR1b1a1a2a1a1)	R1bL151	OlaldeScience2019	-276	Iberia_IA	Spain
TV32032		37.9	-7.6	M	X2b+226	R1b1a2	R1bL151	MartinianoPLoSONE2017	-1630	Iberia_BA	Portugal
TV32032extra	TV32032	37.2	-8.59	M	X2b+226	R1b1a1a2a1a(xR1b1a1a2a1a2c)	R1bL151	OlaldeScience2019	-1600	SW_Iberia_BA	Portugal
KO1002	KO1002.merged	50	15.2	M	X2b4	R1b - L151	R1bL151	PapacSciAdv2021	-2660	Corded_Ware	Czech Republic
I4890	feature 545	50.1	14.5	M	H	R1b1a1a2a1a	R1bL151	OlaldeNature2018	-2300	Bell_Beaker	Czech Republic
UC_HGL_909	PEC5	50.1	14.4	M	H/H99	R1b(1a2a1a)	R1bL151	CzechNewsReport2019	1050	Czech_MA	Czech Republic
WEHR_1474	WEHR_1474	48.3	10.8	M	V	CT	R1bL151	MittnikScience2019	-1974	CEU_EBA	Germany
WEHR_1564	WEHR_1564	48.3	10.8	M	V	CT	R1bL151	MittnikScience2019	-1949	CEU_EBA	Germany
KON003	KON003.A0101.TF1.1	50.6	13.7	M	L1'2'3'4'5'6	R1b - L151	R1bL151	PapacSciAdv2021	-2700	Corded_Ware	Czech Republic
RIX15	RIX15	47.7	7.4	M	T2b19	R1b1a1a2a1a	R1bL151	BrunelPNAS2020	-1650	France_EBA	France
RIX2	RIX2	47.7	7.4	M	T2c1d-152	R1b1a1a2a1a	R1bL151	BrunelPNAS2020	-1650	France_EBA	France
ELW012		49	10.1	M	U2e1b		R1bL151	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
I7675	T-194	42	2.31	M	U3a1	R1b1a1a2a1a	R1bL151	OlaldeScience2019	797	Iberia_EMA	Spain
I4252	RISE1123, grave 1	50.6	21.7	M	U5a1a1	R	R1bL151	OlaldeNature2018	-2205	Bell_Beaker	Poland
OBR003	OBR003.F0101.TF1.1	50.3	14.5	M		R1b - L151	R1bL151	PapacSciAdv2021	-2893	Corded_Ware	Czech Republic
Rosemarkie	Report	57.6	-4.1			R1b-L151	R1bL151*	RosemarkieCavesProject2019	600	Britain_EMA	Great Britain
I1388	9-Grave1	45.5	6.21	M	H	R1b1a1a2a1a	R1bL151	OlaldeNature2018	-2248	Bell_Beaker	France
Aes25	Aes25	47.5	7.6	M	X2b+226	low coverage	R1bL151*	FurtwaenglerNatCommun2020	-2682.5	Switzerland_LN_oSteppe	Switzerland
I7949	BILI_7958, Grave ?, N	50.5	13.8	M	U5a1i1	R1b1a1a2a1a(xR1b1…)	R1bL151*	NarasimhanPattersonScience2019	-1072	CEU_BA	Czech Republic
I7043	HUNG497, gave 119	47.4	19.1	M	H1b1*	R1b1a1a2a1a(xR1b1a1a2a…)	R1bA8053*	OlaldeNature2018	-2061	Balkans_BA	Hungary
I7041	HUNG495t, grave12	47.4	19.1	M	H1b1	R1b1a2	R1bA8053*	OlaldeNature2018	-2050	Balkans_BA	Hungary
I8341	10-SU-28-D1-E-62	42.1	3.11	M	H	R1b1a1a2a1a2	R1bP312	OlaldeScience2019	-425	Iberia_Hel	Spain
I5441	EM.588	50.4	-3.58	M	H1+16239	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-1800	Britain_CA_EBA	Great Britain
ORD011	Ordona	41.3	15.6	F	H1e	R1b-P312	R1bP312	AnelibioRxiv2021	-500	Apulia_IA	Italy
I3599	Grave 13	48.9	12.5	M	H1e1a	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2225	Bell_Beaker	Germany
I12640	CRCRV285-ADNUB50	41.5	2.13	M	H1t	R1b1a1a2a1a2	R1bP312	OlaldeScience2019	-600	Iberia_IA	Spain
TV3831	TV3831	37.2	-8.59	M	H1+152	R1b1a1a2a1a2	R1bP312	OlaldeScience2019	-1600	Iberia_BA	Portugal
I3124	BU36, grave 3036	37.9	13.5	M	H1+16189!	R1b1a1a2a1a2 (xR1b1a1a2a1a2c)	R1bP312	FernandesNatEcolEvol2020	-1874	Sicily_EBA	Italy
VK431	Gotland_Frojel-00487	57.3	18.2	M	H2a1	R1b1a1a2a1a2	R1bP312	MargaryanNature2020	975	Viking	Sweden
GDF1264		48.6	3.58	M	H2b	R1b1a1a2a1a2	R1bP312	Fischer2019	-350	France_IA	France
AITI_98		48.2	10.8	M	H49	R1b1a1a2a1a2*	R1bP312	MittnikScience2019	-1655	CEU_EBA	Germany
SI-39	SI-39	33.6	35.4	M	H5'36	R-P312	R1bP312	HaberAJHG2019	1248	Levant_MA	Lebanon
VLI025	VLI025.A0102.TF1.1	50.4	14.4	M	H5a2	R1b - P312	R1bP312	PapacSciAdv2021	-2200	Bell_Beaker	Czech Republic
SZ37	SZ032.A0101	46.3	17.9	M	H66a	R1b1a1a2a1a2	R1bP312	AmorimNatCommun2018	520	Germanic	Hungary
VLI028	VLI028.A0101.TF1.1	50.4	14.4	M	J1c	R1b - P312	R1bP312	PapacSciAdv2021	-2200	Bell_Beaker	Czech Republic
UNTA85_1343	UNTA85_1343, MF498	48.3	10.9	M	J1c2	R1b1a1a2a1a2*	R1bP312	MittnikScience2019	-2258	Bell_Beaker	Germany
AITI_70		48.2	10.8	M	J1c2c2	R1b1a1a2a1a2*	R1bP312	MittnikScience2019	-1951	CEU_EBA	Germany
vik_97002	vik_97002	59.6	17.7	M	J2a1a (0.6)	R1b (R-312*)	R1bP312	KrzewińskaCurrBiol2018	1050	Viking	Sweden
I2470	ES.3/4-1	42.6	-2.62	M	J2a1a1	R1b1a1a2a1a2(xR1b1a1a2a1a2c)	R1bP312	OlaldeScience2019	-1325	Iberia_BA	Spain
I2478	T1 ind b Us 9	44.8	10.3	M	K1a2a	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2056	Bell_Beaker	Italy
I3997	LLBE-30593	39.5	-0.51	M	K1a2b	R1b1a1a2a1a2a1	R1bP312*	OlaldeScience2019	-1692	SE_Iberia_BA	Spain
EHU002	UE 450	42.4	-3.48	M	K1a4a1	R1b1a1a2a1a2(xR1b1a1a2a1a2a5)	R1bP312	OlaldeScience2019	-2417	Iberia_CA	Spain
TU907(SX20)	TU907, 76-7 (Komplex	47.5	9.29	M	K1a4a1	R1b1a1a2a1a2	R1bP312	FurtwaenglerNatCommun2020	-1626	Switzerland_EBA	Switzerland
I5750	skeleton 230 Extra-Mi	52.7	5.1	M	K1b1a1+199	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2100	Bell_Beaker	The Netherlands
WEZ35	WEZ35-2	53.8	13.3	M	K1c1	R1b1a1a2a1a2	R1bP312	BurgerCurrBiol2020, first reported in Sell2017	-1250	CEU_MLBA	Germany
ELW020		49	10.1	M	K1c2		R1bP312	ImmelMolBiolEvol2021	1557	CEU_EM	Germany
OBKR_67	OBKR_67, MF498706.	48.3	10.9	M	K2a5*	R1b1a1a2a1a2*	R1bP312	MittnikScience2019	-1956	CEU_EBA	Germany
SZ42	SZ035.A0101	46.3	17.9	M	K2a6	R1b1a1a2a1a2	R1bP312	AmorimNatCommun2018	508	Germanic	Hungary
CL30	COL003.A0101	45.1	7.58	M	I1b	R1b1a1a2a1a2	R1bP312	AmorimNatCommun2018	605	Germanic	Italy
I1775	GOM245	53.3	-3.84	M	I3	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-1613	Britain_CA_EBA	Great Britain
BES1096B	Bessan	43.4	3.43	M	X2	R1b1a1a2a1a2	R1bP312	Fischer2019	-125	France_LIA	France
I1389	10-Grave69	47.7	7.45	M	X2b4a	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2432	Bell_Beaker	France
I1390	11-Grave68	47.7	7.45	M	X2b4a	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2381	Bell_Beaker	France
I4074	skeleton 242-M14	52.7	5.1	M	H	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2042	Bell_Beaker	The Netherlands
I12410	MB1 '08 E-448 Ind 1	41.4	1.67	M	H	R1b1a1a2a1a2	R1bP312	OlaldeScience2019	-425	Iberia_IA	Spain
MIS006	MIS006.A0101.TF1.1	50	15.8	M	L1'2'3'4'5'6	R1b - P312	R1bP312	PapacSciAdv2021	-2328	Unetice	Czech Republic
I5516		56.2	-4.06	M	T2a1b1a1b	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-1691	Britain_CA_EBA	Great Britain
I5382	SB 445B3	54.5	-1.31	M	T2b	R1b1a1a2a1a2	R1bP312	OlaldeNature2018	-2120	Bell_Beaker	Great Britain
BR79	Bolinready79	52.6	-6.34	M	T2b	R1b1a1a2a1a2	R1bP312	Cassidy2017	-1985	Ireland_EBA	Ireland
UC_HGL_912	PEC8	50.1	14.4	M	T2b	R1b(1a2a1a2c1b1b1a3a1)	R1bP312	CzechNewsReport2019	1077	Czech_MA	Czech Republic

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-haplogroup	Y-Simple	YTree	ISOGG2019	Source	Date	Mean	Simplified_Culture	Location	Country
I6539	Hume 5, 455.2	40.2	-3.76	M	T2b3+151	R1bP312	R1b-P312(xZ290,DF27+?)	R1b1a1b1a1a2	OlaldeScience2019	2500-2000 BCE	-2250	Bell_Beaker	Humanejos, Parla, Community of Madrid	Spain
I10941	120	36.1	-5.34	M	T2e1	R1bP312	R1b-P312(ZZ12?)	R1b1a1b1a1a2	OlaldeScience2019	1900–1400 BCE	-1650	Iberia_BA	Bray Cave, Gibraltar	Gibraltar
I3321	S-EVA 9303; Ind 2	40.1	-0.07	M	U3a1	R1bP312	R1b-P312	R1b1a1b1a1a2	OlaldeScience2019	300-100 BCE	-200	Iberia_IA	Els Estrets de la Rata, Vilafamés, Castelló/Castellón	Spain
I7630	ERYM5:2003:115, Ske	53.7	-0.53	M	U5a	R1bP312	R1b-P312	R1b1a1b1a1a2	OlaldeNature2018	1881-1689 calBCE	-1784	Britain_CA_EBA	Melton Quarry, North Ferriby, East Riding of Yorkshire	Great Britain
BNL009	BNL009.A0102.TF1.1	50.2	14.6	M	U5a1b	R1bP312	R1b-P312	R1b1a1b1a1a2	PapacSciAdv2021	3649±24 BP	-2037	Unetice	Brandýs nad Labem_690-2, Bohemia	Czech Republic
I4069	skeleton 229-M4	52.7	5.1	M	U5a1a1	R1bP312	R1b-P312(xZ290,xL2, etc.)	R1b1a1b1a1a2	OlaldeNature2018	2192-1887 calBCE	-2016	Bell_Beaker	De Tuithoorn, Oostwoud, Noord-Holland	The Netherlands
I7202	Grave 94	50.1	14.4	M	U5a1a2b	R1bP312	R1b-P312(BY3484?)	R1b1a1b1a1a2	OlaldeNature2018	2800-1800 BCE	-2300	Unetice	Prague 5, Jinonice, Zahradnictví	Czech Republic
I1382	3-Grave515	49.2	6.1	M	U5a2c3a	R1bP312	R1b-P312	R1b1a1b1a1a2	OlaldeNature2018	2447-2136 calBCE	-2245	Bell_Beaker	Mondelange, PAC de la Sente, Moselle	France
I4068	skeleton 228-M3	52.7	5.1	M	U5a2a1	R1bP312	R1b-P312(xL21,xL2, etc.)	R1b1a1b1a1a2	OlaldeNature2018	2134-1950 calBCE	-2042	Bell_Beaker	De Tuithoorn, Oostwoud, Noord-Holland	The Netherlands
MX258	1952/2A	47.8	8.87	..	U5b1+16189	R1bP312	R1b-P312	R1b1a1b1a1a2	FurtwaenglerNatCommun2020	2029-1895 calBCE	-1967	Switzerland_EBA	Singen (D)	Germany
I2602	EXEKA09_136128	51.3	1.36	M	U5b2b	R1bP312	R1b-P312(xZ290)	R1b1a1b1a1a2	OlaldeNature2018	1892-1699 calBCE	-1812	Britain_CA_EBA	East Kent Access (Phase II), Thanet, Kent, England	Great Britain
I11443	BU32	37.9	13.5	M	U5b2c	R1bP312	R1b-P312(U152?, DF27?)	R1b1a1b1a1a2	FernandesNatEcolEvol2020	2872-2476 calBCE	-2673	Sicily_EBA	Sicily, Buffa	Italy
I6618	Hume 1, 443	40.2	-3.76	M	U5b3	R1bP312	R1b-P312	R1b1a1b1a1a2	OlaldeScience2019	1880-1691 calBCE	-1785	Iberia_BA	Humanejos, Parla, Community of Madrid	Spain
MonteGato104	MG104	37.9	-7.59	M	U5b3	R1bP312	R1b-P312	R1b1a1b1a1a2	OlaldeScience2019	1728-1520 BCE	-1596	Iberia_BA	Monte do Gato de Cima 3, Brinches, Beja	Portugal
MG104		38	-7.6	M	U5b3	R1bP312	R1b-P312	R1b1a1b1a1a2	MartinianoPLoSONE2017	1640-1430 cal BC	-1535	Iberia_BA	Monte do Gato de Cima 3	Portugal
GeorgeBahr		51	13.7	M		R1bP312	R1b-P312	R1b1a1b1a1a2	PeltzerSciRep2019	1738 AD	1738	Germany_modern	Dresden	Germany
WEZ59		53.8	13.3	M	U5a2b1	R1bP312	R1b-P312(Z274*?)	R1b1a1b1a1a2(a1a*?)	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
WEZ54		53.8	13.3	M	V3a	R1bP312	R1b-P312(DF103?)	R1b1a1b1a1a2(b1..?)	BurgerCurrBiol2020, first reported in Sell2017	1300-1200 calBC	-1250	CEU_MLBA	Weltzin	Germany
I10939	119	36.1	-5.34	M	K1a3a	R1bP312	R1b-P312(ZZ12?)	R1b1a1b1a1a2(b6?)	OlaldeScience2019	1900–1400 BCE	-1650	Iberia_BA	Bray Cave, Gibraltar	Gibraltar
I7571	OVE08 feature 1437 s	52.3	0.03	M	J1c1	R1bP312	R1b-P312(xZ290;xDF99;xDF88	R1b1a1b1a1a2(xR1b1a1b1a	OlaldeNature2018	1489-1260 calBCE	-1356	Britain_MBA	Over Narrows, Needingworth Quarry, England	Great Britain
I7570	3043	52.7	-0.34	M	T2b4+152	R1bP312	R1b-P312(xZ290)	R1b1a1b1a1a2(xR1b1a1b1a	OlaldeNature2018	1736-1534 calBCE	-1619	Britain_MBA	Bassingham and Langtoft, South Lincolnshire, England	Great Britain
I4073	skeleton 236-M13	52.7	5.1	M	U5a2b3	R1bP312	R1b-P312*	R1b1a1b1a1a2*	OlaldeNature2018	2197-1897 calBCE	-2049.5	Bell_Beaker	De Tuithoorn, Oostwoud, Noord-Holland	The Netherlands
I3585	Tumba XVIII	37	-4.12	M	H1	R1bBY25512	R1b-BY25512(xBY68000; pre-BY51045?)	R1b1a1b1a1a2...	OlaldeScience2019	675-876 calCE	755	Iberia_EMA	Necrópolis de las Delicias, Ventas de Zafarraya, Granada	Spain
I1381	2-Grave487	49.2	6.1	M	H	R1bBY25512	R1b-BY25512(pre-BY51045?)	R1b1a1b1a1a2...	OlaldeNature2018	2500-2100 BCE	-2300	Bell_Beaker	Mondelange, PAC de la Sente, Moselle	France
MX259	BF680	47.9	8.77	..	K1a3a	R1bDF19	R1b-BY61838	R1b1a1b1a1a2e1(xa,xb,xc)	FurtwaenglerNatCommun2020	2453-2202 calBCE	-2296	CEU_FN_EBA	Anselfingen (D)	Germany
6DT23	6DRIF-23	54	-1.08	M	H6a1b2	R1bDF19	R1b-S4268	R1b1a1b1a1a2e1(...)	MartinianoNatCommun2016	50-350 CE	250	Britain_Roman	Driffield Terrace	Great Britain
VK333	Oland_1028	56.6	16.5	M	H2a2a1	R1bDF19	R1b-Z29034	R1b1a1b1a1a2e1(...)	MargaryanNature2020	772-1014 calCE	898	Viking	Oland	Sweden
I5748	skeleton 575 (Jan) M2	52.7	5.1	M	X2b4	R1bDF19	R1b-Z302*	R1b1a1b1a1a2e2	OlaldeNature2018	2579-2211 calBCE	-2433	Bell_Beaker	De Tuithoorn, Oostwoud, Noord-Holland	The Netherlands
R31	RMPR-31	41.9	12.5	M	K1c1	R1bDF19	R1b-BY3448	R1b1a1b1a1a2e2..	AntonioScience2019	261-535 calCE	412	Italy_LA_EMA	Mausoleo di Augusto	Italy
CL94	COL016.A0101	45.1	7.58	M	K1c1	R1bFGC84729	R1b-DF99	R1b1a1b1a1a2f	AmorimNatCommun2018	580-630 CE	605	Germanic	Collegno, Italy	Italy
VK336	Oland_1075	56.8	16.7	M	K2a3a	R1bFGC84729	R1b-S16136	R1b1a1b1a1a2f......	MargaryanNature2020	707-990 calCE	859	Viking	Oland	Sweden
VK369	Denmark_Bakkendrup	55.6	11.3	M	H1a	R1bFGC84729	R1b-FT108043	R1b1a1b1a1a2f...	MargaryanNature2020	850-900 CE	875	Viking	Sealand	Denmark
I2860	GENSCOT66	57.7	-3.39	M	H5a1	R1bFGC84729	R1b-Z30597*	R1b1a1b1a1a2f...	OlaldeNature2018	969-812 calBCE	-874	Britain_LBA	Covesea Cave 2, Moray, Scotland	Great Britain
TGS-A1	TGS-A1, Göngskörðu	65.7	-19.6	M	T2e1	R1bL238	R1b-Y10827	R1b1a1b1a1a2d1a1....	EbenesersdottirScience2018	1025-1160 calCE	1096	Nordic_MA	Tunga	Iceland
VK101	Iceland_125; Iceland_	65.6	-17.2	M	U5b1g	R1bL238	R1b-BY110718	R1b1a1b1a1a2d1a1..	MargaryanNature2020	900-1300 CE	1100	Viking	Hofstadir	Iceland
YGS-B2	YGS-B2 (XXY, Kleinfelt	65.9	-18.6	M (X	J1c1a	R1bL238	R1b-FT50453*	R1b1a1b1a1a2d1a1......	EbenesersdottirScience2018	870-1000 CE	935	Nordic_MA	Ytra-Garðshorn	Iceland
I6774	SB 613A, R2315/3	50.9	-0.12	M	H4a1a1a	R1bZ290	R1b-Z290(xBY22760)	R1b1a1b1a1a2c	OlaldeNature2018	2287-2041 calBCE	-2171	Bell_Beaker	Ditchling Road	Great Britain
PP6	Ploopluck6	53.2	-6.69	M	I1a1	R1bZ290	R1b-Z290	R1b1a1b1a1a2c	Cassidy2017	2037-1786 cal BC	-1911.5	Ireland_EBA	Ploopluck (Osberstown), Kildare	Ireland
I2421	TWCMS Sk2008-3075,	54.9	-1.45	M	U5a1a2a	R1bZ290	R1b-Z290(xBY22760)	R1b1a1b1a1a2c	OlaldeNature2018	1935-1751 calBCE	-1840	Britain_CA_EBA	Hasting Hill, Sunderland, Tyne and Wear, England	Great Britain
KDI275	Knockadoon275	52.5	-8.53	M	V15a	R1bZ290	R1b-Z290	R1b1a1b1a1a2c	Cassidy2017	1448-1635 cal AD	1541.5	Ireland_Mod	Site I, Knockadoon, Lough Gur, Settlement Site	Ireland
I6775	SB 615A, Skeleton No	51.1	-3.08	M	H1	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2500-1900 BCE	-2200	Bell_Beaker	Wick Barrow	Great Britain
I2618	MOA 1964.2 Box 102/	55.1	-2.15	M	H1bs	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2137-1950 calBCE	-2043	Britain_CA_EBA	Reaverhill, Barrasford, Northumberland, England	Great Britain
I3082	Burial F4	50.9	-2.02	M	H1an1a	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	1499-1326 calBCE	-1436	Britain_MBA	Canada Farm, Sixpenny Handley, Dorset, England	Great Britain
I6680	UK_LH10	55.3	-1.55	M	H1+16189	R1bL21	R1b-L21(xDF63)	R1b1a1b1a1a2c1	OlaldeNature2018	1878-1617 calBCE	-1721	Britain_CA_EBA	Low Hauxley, Northumberland, England	Great Britain
I7572	OVE08 feature 1373 s	52.3	0.03	M	H13a1a	R1bL21	R1b-L21(xDF63)	R1b1a1b1a1a2c1	OlaldeNature2018	1507-1306 calBCE	-1430	Britain_MBA	Over Narrows, Needingworth Quarry, England	Great Britain
I5515	cist 3	56.1	-3.42	M	H3+16311	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2112-1774 calBCE	-1932	Britain_CA_EBA	Aberdour Road, Dunfermline, Fife, Scotland	Great Britain
KNS-A1	KNS-A1	64	-20.2	M	H5	R1bL21	R1b-L21	R1b1a1b1a1a2c1	EbenesersdottirScience2018	950-1050 CE	1000	Nordic_MA	Karlsnes	Iceland
I2596	5289	51.2	-1.77	M	J1c1	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2276-2035 calBCE	-2155	Britain_CA_EBA	Amesbury Down, Wiltshire, England	Great Britain
rath3	rathlin3,RSK2	55.3	-6.19	M	J2b1a	R1bL21	R1b-L21	R1b1a1b1a1a2c1	CassidyPNAS2016	1736-1539 calBCE	-1636	Ireland_BA	Rathlin Island, County Antrim	Ireland
I0156	Hinxton12880, skeleton	52.1	0.18	M	K1a1b1b	R1bL21	R1b-L21	R1b1a1b1a1a2c1	SchiffelsNatCommun2016	149 calBCE - 60 calCE	-31	Britain_IA	Hinxton, South Cambridgeshire	Great Britain
I2569	GENSCOT17	56	-2.54	M	K1a3a	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2140-1901 calBCE	-2028	Britain_CA_EBA	Eweford Cottages, East Lothian, Scotland	Great Britain
I2457	65530_13382	51.2	-1.77	M	I4a	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2201-2029 calBCE	-2115.5	Britain_CA_EBA	Amesbury Down, Wiltshire, England	Great Britain
VK31	Sweden_Skara 194	58.4	13.7	M	I4a	R1bL21	R1b-L21	R1b1a1b1a1a2c1	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
I2565	1238 (Companion)	51.2	-1.77	M	W1+119	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	2456-2146 calBCE	-2287	Bell_Beaker	Amesbury Down, Wiltshire, England	Great Britain
I7628	10423	52.1	-0.51	M	T1a1	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeNature2018	1212-983 calBCE	-1083	Britain_MBA	Biddenham Loop, Bedfordshire, England	Great Britain
I6492	MGA'92 UE 105	41.3	1.18	M	T2b11	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeScience2019	200-500 CE	350	Iberia_Roman	Mas Gassol, Alcover, Tarragona, Catalonia	Spain
I2567	GENSCOT14, Burial 5,	56	-2.44	M	U4a1a	R1bL21	R1b-L21(xDF21)	R1b1a1b1a1a2c1	OlaldeNature2018	2276-1831 calBCE	-2054	Britain_CA_EBA	Dryburn Bridge, East Lothian, Scotland	Great Britain
I7575	1100	52.1	-0.51	M	U5a1d1	R1bL21	R1b-L21(*;xDF13, DF63, etc.)	R1b1a1b1a1a2c1	OlaldeNature2018	1266-1019 calBCE	-1157	Britain_MBA	Biddenham Loop, Bedfordshire, England	Great Britain
I3809	Individuo 5	37	-3.55	M	U6a3b	R1bL21	R1b-L21	R1b1a1b1a1a2c1	OlaldeScience2019	1500-1600 CE	1550	Iberia_Muslim	Nécropolis de Torna Alta, Mondújar (Lecrín), Granada	Spain
VK405	Sweden_Skara 83	58.4	13.7	M	K1a10	R1bL21	R1b-L21(S5488*?)	R1b1a1b1a1a2c1(a5c)	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
LH28	Lehinch28	53.3	-7.61	M	H66a1	R1bDF13	R1b-L21(DF13*?)	R1b1a1b1a1a2c1(a*)	Cassidy2017	422-596 cal AD	509	Ireland_LIA	Lehinch, Offaly	Ireland
I2452	BEDFM2009.12, featu	52.2	-0.38	M	H1e1a	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2199-2032 calBCE	-2102	Bell_Beaker	Dairy Farm, Willington, England	Great Britain
I2417	53535_25005	51.2	-1.77	M	J1c	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2500-2100 BCE	-2300	Bell_Beaker	Amesbury Down, Wiltshire, England	Great Britain
I7576	1113	52.1	-0.51	M	J1c2	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	1209-1005 calBCE	-1089	Britain_MBA	Biddenham Loop, Bedfordshire, England	Great Britain
I2447	SK 8779 (YCF 95)	51.8	-1.32	M	K1a26	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2120-1898 calBCE	-1988	Bell_Beaker	Yarnton, Oxfordshire, England	Great Britain
I2566	13385	51.2	-1.77	M	K1b1a1	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2267-2036 calBCE	-2120	Bell_Beaker	Amesbury Down, Wiltshire, England	Great Britain
I2453	CQWDO7, feature F.3	52.7	-0.35	M	K2a	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2290-2038 calBCE	-2172	Bell_Beaker	West Deeping, Lincolnshire, England	Great Britain
I5513	DZSWS:X146.1 b	51.2	-1.77	M	V	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2800-1800 BCE	-2300	Bell_Beaker	Nr. Ablington, Figheldean	Great Britain
I3256	TRM10, skeleton 3384	52.2	0.1	M	T2b	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2269-2027 calBCE	-2100	Bell_Beaker	Trumpington Meadows, Cambridge, England	Great Britain
I5377	A13495	51.5	-0.27	M	T2b	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	1895-1693 calBCE	-1808	Britain_CA_EBA	River Thames Skulls, Mortlake, London, England	Great Britain
I2568	GENSCOT15, Burial 10	56	-2.44	M	U5a1b1g	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2288-2037 calBCE	-2163	Bell_Beaker	Dryburn Bridge, East Lothian, Scotland	Great Britain
I7577	1115	52.1	-0.51	M	U5a1a1	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	1386-1123 calBCE	-1248	Britain_MBA	Biddenham Loop, Bedfordshire, England	Great Britain
I2597	5292	51.2	-1.77	M	U5a2c3a	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2276-2033 calBCE	-2155	Britain_CA_EBA	Amesbury Down, Wiltshire, England	Great Britain
I4950	DZSWS:C.36	51.2	-1.76	M	U5a2d1	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	OlaldeNature2018	2800-1800 BCE	-2300	Bell_Beaker	England, Wiltshire, Upavon, Central Flying School	Great Britain
SG27	Sliguff27	52.7	-6.97	M	U5b2b2	R1bDF13	R1b-DF13	R1b1a1b1a1a2c1a	Cassidy2017	2134-1701 cal BC	-1917.5	Ireland_EBA	Sliguff, Carlow	Ireland
I5473	cist 1	55.6	-3.62	M	U5b	R1bDF13	R1b-DF13?	R1b1a1b1a1a2c1a?	OlaldeNature2018	2400-2100 BCE	-2250	Britain_CA_EBA	Boatbridge Quarry, Thankerton, South Lanarkshire	Great Britain
rath1	rathlin1, RM127	55.3	-6.19	M	U5a1b1e	R1bDF13	R1b-DF21	R1b1a1b1a1a2c1a5	CassidyPNAS2016	2031-1830 calBCE	-1947	Ireland_BA	Rathlin Island, County Antrim	Ireland
rath2	rathlin2, RSK1	55.3	-6.19	M	U5b2a2	R1bDF13	R1b-DF21	R1b1a1b1a1a2c1a5	CassidyPNAS2016	2026-1700 calBCE	-1869	Ireland_BA	Rathlin Island, County Antrim	Ireland
UN19-1		49.7	-1.74	M	W1c	R1bDF13	R1b-S426	R1b1a1b1a1a2c1a5a2a1a	FischerJArchaeolSciRep2019 and Fischer2019	300-100 BC	-200	France_IA	Urville-Nacqueville necropolis	France
I3132	GENSCOT68	57.7	-3.39	M	T2a1b1a	R1bDF13	R1b-S5488*	R1b1a1b1a1a2c1a5c *	OlaldeNature2018	2126-1886 calBCE	-1977	Britain_CA_EBA	Covesea Cave 2, Moray, Scotland	Great Britain
RNR2	Rossnaree2	53.7	-6.5	RNR2	J1c3b1	R1bDF13	R1b-S7200	R1b1a1b1a1a2c1a5c1	Cassidy2017	257-533 cal AD	395	Ireland_LIA	Rossnaree, Meath	Ireland
MV381	Moyveela381	53.3	-8.84	M	H1b	R1bDF13	R1b-Z16294	R1b1a1b1a1a2c1a5c3	Cassidy2017	2286-2039 cal BC	-2162.5	Ireland_EBA	Moyveela, Galway	Ireland
6DT18	6DT18	54	-1.08	M	H1bs	R1bDF13	R1b-Z30233	R1b1a1b1a1a2c1a5b	MartinianoNatCommun2016	50-350 CE	250	Britain_Roman	Driffield Terrace	Great Britain
I0160	Hinxton12884, skeleton	52.1	0.18	M	H1ag1	R1bDF13	R1b-Z246	R1b1a1b1a1a2c1a5b1a	SchiffelsNatCommun2016	166 calBCE - 116 cal	-23	Britain_IA	Hinxton, South Cambridgeshire	Great Britain
KNW10	Knowth10	53.7	-6.49	M	H1aw	R1bDF13	R1b-DF5	R1b1a1b1a1a2c1a5b1a1	Cassidy2017	175-50 cal BC	-112.5	Ireland_IA	Knowth, Meath	Ireland
SSG-A2	SSG-A2, Silastaðir	65.7	-18.2	M	J1c3g	R1bDF13	R1b-BY41282*	R1b1a1b1a1a2c1a5b1a1*	EbenesersdottirScience2018	850-1000 CE	925	Nordic_MA	Silastaðir	Iceland
TR116	Treanmacmurtagh116	54.1	-8.42	M	H1e	R1bDF13	R1b-FGC11134	R1b1a1b1a1a2c1a3	Cassidy2017	2015-1758 cal BC	-1886.5	Ireland_EBA	Treanmacmurtagh, Sligo	Ireland
PG911	Pollnagollum911	54.3	-7.81	M	K1b1a1	R1bDF13	R1b-FGC11134	R1b1a1b1a1a2c1a3	Cassidy2017	2349-2135 cal BC	-2242	Ireland_CA	Pollnagollum, Fermanagh	Ireland
I2859	GENSCOT65	57.7	-3.39	M	K1a2c	R1bDF13	R1b-FGC11134	R1b1a1b1a1a2c1a3	OlaldeNature2018	912-808 calBCE	-860	Britain_LBA	Covesea Caves, Moray, Scotland	Great Britain
GDF1348		48.6	3.58	M	H	R1bDF13	R1b-A1333	R1b1a1b1a1a2c1a3a2a1b1a	Fischer2019	5th-3rd c. BC	-350	France_IA	Barbuise	France
CT14	Claristown14	53.7	-6.28	M	U5a1h	R1bDF13	R1b-CTS4466(A151?)	R1b1a1b1a1a2c1a3a2(a1d)	Cassidy2017	60-420 cal AD	240	Ireland_LIA	Claristown, Meath	Ireland
VK202	Orkney_Buckquoy, sk	59.1	-3.32	M	H1ai1	R1bDF13	R1b-A151	R1b1a1b1a1a2c1a3a2a1d	MargaryanNature2020	900-1000 CE	950	Viking	Orkney	Great Britain
cieple10	c10	53.9	18.8	M	J1c2h	R1bDF13	R1b-FGC11293	R1b1a1b1a1a2c1a3d	DoanMuzeumArcheolGdansk2019	1st quarter XI c.	1012	Poland_MA	Ciepłe cemetery	Poland
VK27	Faroe_10	61.9	-6.8	M	U5a1g1	R1bDF13	R1b-L513	R1b1a1b1a1a2c1a2	MargaryanNature2020	1500-1700 CE	1600	Medieval	Faroes	Faroes
Janakkala	Reference	60.9	24.7	M		R1bDF13	R1b-BY615	R1b1a1b1a1a2c1a2a2a1c1	FacebookR1bGroup2019	1300 AD	1300	Finland_Christian	Janakkala	Finland
CM37	Courtmacsherry37	51.6	-8.69	M	T2b3+151	R1bDF13	R1b-CTS3087	R1b1a1b1a1a2c1a2b2a	Cassidy2017	540-662 cal AD	601	Ireland_LIA	Courtmacsherry, Cork	Ireland
BB54	Ballybunnion54	52.5	-9.68	M	U5b2c2b	R1bDF13	R1b-CTS3087	R1b1a1b1a1a2c1a2b2a	Cassidy2017	583-674 cal AD	628.5	Ireland_LIA	Ballybunnion, Kerry	Ireland
VK263	UK_Dorset-3742	50.7	-2.47	M	K1a4d	R1bDF13	R1b-Z16372	R1b1a1b1a1a2c1a2b2b	MargaryanNature2020	970-1025 CE	997	Viking	Dorset	UK
BM44	BallyglassMiddle44	53.7	-8.71	M	V7a	R1bDF13	R1b-Z2976(DF23?)	R1b1a1b1a1a2c1a1a(1)	Cassidy2017	80-420 cal AD; 330-(	345	Ireland_LIA	Ballyglass Middle, Kiltullagh hill	Ireland
FOV-A1	FOV-A1	65.4	-14.6	M	HV17a	R1bDF13	R1b-DF23	R1b1a1b1a1a2c1a1a	EbenesersdottirScience2018	1296-1400 calCE	1347	Nordic_MA	Fossvellir	Iceland
DM08	Derrynamanagh08	53.3	-8.55	M	H5c	R1bDF13	R1b-L21(M222?)	R1b1a1b1a1a2c1(a1a1a1a1)	Cassidy2017	200-700 AD	450	Ireland_LIA	Derrynamanagh, Galway	Ireland
DM09	Derrynamanagh09	53.3	-8.55	M	J1c3g	R1bDF13	R1b-M222	R1b1a1b1a1a2c1a1a1a1	Cassidy2017	275-585 cal AD	450	Ireland_LIA	Derrynamanagh, Galway	Ireland
PECH8	PECH8	43	2.96	M	J1c3j (Fischer2019: J1	R1bDF13	R1b-M222	R1b1a1b1a1a2c1a1a1a1a1	BrunelPNAS2020 from Fischer2019	600-300 BCE	-450	France_LIA	Pech Maho	France
VK24	Faroe_AS34/Panum	61.6	-6.96	M	J1b1a1a	R1bDF13	R1b-FGC12948	R1b1a1b1a1a2c1a1a1a1a1b	MargaryanNature2020	1000-1100 CE	1050	Viking	Hvalba	Faroes
VK44	Faroe_17	61.9	-6.8	M	H3a1a	R1bDF13	R1b-S658	R1b1a1b1a1a2c1a1a1a1a1a	MargaryanNature2020	1500-1700 CE	1600	Nordic_MA	Church2	Faroes
VK95	Iceland_127	65.6	-17.2	M	H6a1a3a	R1bDF13	R1b-S658	R1b1a1b1a1a2c1a1a1a1a1a	MargaryanNature2020	900-1300 CE	1100	Viking	Hofstadir	Iceland
VK545	Ireland_SSG12	53.3	-6.27	M	H1bb	R1bDF13	R1b-DF105(A225*?)	R1b1a1b1a1a2c1a1a1a1a1~	MargaryanNature2020	665-865 calCE	765	Viking	Dublin	Ireland
LG14	Lagore14	53.5	-6.53	M	W1c	R1bDF13	R1b-DF105	R1b1a1b1a1a2c1a1a1a1a1a	Cassidy2017	1492-1665 cal AD	1578.5	Ireland_Mod	Lagore, Meath	Ireland
I2445	SK 8633 (YCF 95)	51.8	-1.32	M	X2b6	R1bDF13	R1b-BY132302	R1b1a1b1a1a2c1a1m	OlaldeNature2018	2200-1985 calBCE	-2182.5	Bell_Beaker	Yarnton, Oxfordshire, England	Great Britain
VK386	Norway_Oppland 530	62.1	9.05	M	J1b1a1	R1bDF13	R1b-S695*	R1b1a1b1a1a2c1a1f1a2..	MargaryanNature2020	800-1100 CE	950	Viking	Oppland	Norway
VK242	Faroe_3	61.9	-6.8	M	H3a1a	R1bDF13	R1b-S764	R1b1a1b1a1a2c1a1f1a1	MargaryanNature2020	1500-1700 CE	1600	Nordic_MA	Church2	Faroes
IG134	Inchagreenoge134	52.6	-9.09	M	T2f	R1bDF13	R1b-S1026	R1b1a1b1a1a2c1a1k	Cassidy2017	1270-1040 cal BC	-1155	Ireland_LBA	Inchagreenoge, Limerick	Ireland
VK203	Orkney_BY78, Ar. 1, s	59.1	-3.32	M	H4a1a1a1a1	R1bDF13	R1b-BY10450*(xFT83323)	R1b1a1b1a1a2c1a1i...	MargaryanNature2020	54-668 CE [union of	361	Pict	Orkney	Great Britain
I5379	SB 424B3	50.9	-2.02	M	HV0	R1bDF13	R1b-Z251	R1b1a1b1a1a2c1a1e	OlaldeNature2018	2468-2294 calBCE	-2383	Bell_Beaker	Canada Farm, Sixpenny Handley, Dorset	Great Britain
I6777	SB 618A, G.54	51.1	-1.81	M	U4b1b	R1bDF13	R1b-Z251	R1b1a1b1a1a2c1a1e	OlaldeNature2018	2300-1900 BCE	-2200	Bell_Beaker	Wilsford	Great Britain
STT-A2	STT-A2,Straumur	65.5	-14.5	M	U4b1b1b1	R1bDF13	R1b-FT118419*	R1b1a1b1a1a2c1a1e...	EbenesersdottirScience2018	900-1100 CE	950	Nordic_MA	Surtsstaðir	Iceland
VK528	Norway_Troms 4049	69.7	18.2	M	K1a4a1b	R1bDF13	R1b-BY135243	R1b1a1b1a1a2c1a4d1*	MargaryanNature2020	700-900 CE	800	Viking	Nor_North	Norway
I7640	SB617A, 2530	52.2	0.12	M	U5a2c2	R1bDF13	R1b-Z2185(xBY44331)	R1b1a1b1a1a2c1a4b2c	OlaldeNature2018	1434-1278 calBCE	-1357	Britain_MBA	Clay Farm, Cambridgeshire, England	Great Britain
ORE-A1	ORE-A1	65.4	-14.3	M	K1a3a	R1bDF13	R1b-PH93	R1b1a1b1a1a2c1a4b2c3a	EbenesersdottirScience2018	900-1000 CE	950	Nordic_MA	Ormsstaðir	Iceland
VK218	Russia_Ladoga_5680-	60	32.3	M	H5	R1bDF13	R1b-BY2848	R1b1a1b1a1a2c1a4b2c1b1	MargaryanNature2020	900-1200 CE	1050	Viking	Ladoga	Russia
I2653	GENSCOT22	56	-2.9	M	H2a1a	R1bDF13	R1b-L1066	R1b1a1b1a1a2c1a4b2c1a	OlaldeNature2018	1389-1131 calBCE	-1274	Britain_MBA	Longniddry, Evergreen House, Coast Road, East Lothian	Great Britain
VK349	Oland_1073	56.5	16.4	M	H1e2a	R1bDF13	R1b-BY167052	R1b1a1b1a1a2c1a4b2c1a..	MargaryanNature2020	690-977 calCE	840	Viking	Oland	Sweden
SI-53	SI-53	33.6	35.4	M	T2	R1bDF63*	R1b-DF63*	R1b1a1b1a1a2c1b*	HaberAJHG2019	1030-1161 calCE	1099	Levant_MA	Sidon	Lebanon
VK345	Oland_1045	56.7	16.7	M	H4a1	R1bDF63	R1b-FT148754	R1b1a1b1a1a2c1b2a1a1(xR	MargaryanNature2020	800-1100 CE	950	Viking	Oland	Sweden
6DT21	6DRIF-21	54	-1.08	M	J1c3e2	R1bDF63	R1b-CTS6919	R1b1a1b1a1a2c1b	MartinianoNatCommun2016	50-350 CE	250	Britain_Roman	Driffield Terrace	Great Britain
I4132	RISE560, F0187, grave	48.3	10.9	M	U5a1a1	R1bZZ11	R1b-ZZ11?	R1b1a1b1a1a2(a/b)	OlaldeNature2018 1240k of sar	2500-2000 BCE	-2250	Bell_Beaker	Augsburg Sportgelände, Augsburg	Germany
I1836	CG13-5135	41.2	1.77	M	U5a2b3	R1bZZ11	R1b-ZZ11	R1b1a1b1a1a2(a/b)	OlaldeScience2019	1684-1503 calBCE	-1577	Iberia_BA	Cova del Gegant, Sitges, Barcelona, Catalonia	Spain
I0806	QLB28, QLB28b_1032	51.8	11.1	M	H1	R1bZZ11	R1b-DF27	R1b1a1b1a1a2a	MathiesonNature2015 (1240k	2433-2147 calBCE	-2267	Bell_Beaker	Quedlinburg	Germany
I12209	SRH-03	41.5	-5.29	M	H1ah	R1bDF27	R1b-DF27	R1b1a1b1a1a2a	OlaldeScience2019	1400-1200 BCE	-1300	Iberia_BA	La Requejada, San Román de Hornija, Valladolid	Spain
UN85		49.7	-1.74	M	H2a2a	R1bDF27	R1b-DF27	R1b1a1b1a1a2a	FischerJArchaeolSciRep2019 and Fischer2019	300-100 BC	-200	France_IA	Urville-Nacqueville necropolis	France
I8206	12-SU-33-A4-T680	42.1	3.11	M	H7a1	R1bDF27	R1b-DF27	R1b1a1b1a1a2a	OlaldeScience2019	340-57 calBCE	-153	Iberia_Hel	Empúries, Girona, Catalonia	Spain
I3315	NT14	40	3.89	M	U5b1c	R1bDF27	R1b-DF27	R1b1a1b1a1a2a	FernandesNatEcolEvol2020	904-814 calBCE	-859	Menorca_LBA	Balearic Islands, Menorca, Naveta des Tudons	Spain
SI-41	SI-41	33.6	35.4	M	HV0a	R1bBY168384	R1b-BY169037*	R1b1a1b1a1a2a1b..	HaberAJHG2019	1184-1273 calCE	1240	Levant_MA	Sidon	Lebanon
GBVPK	GBVPK44_AMIS_2_02	43.1	3.06		J2b1a	R1bZ195	R1b-Z195	R1b1a1b1a1a2a1	SeguinOrlandoCurrBiol2021	2461 calBC (2461-22	-2387	Bell_Beaker	Grotte Basse de la Vigne Perdue	France
I8561	Abisso del Vento 2017	38	14.1	M	K1b1+(16093C)	R1bZ195	R1b-P312(Z195?)	R1b1a1b1a1a2a1	FernandesNatEcolEvol2020	2399-2153 calBCE	-2262	Sicily_EBA	Sicily, Isnello	Italy
I1312	E-459_No6	41.5	2.13	M	HV0+195	R1bZ195	R1b-Z195	R1b1a1b1a1a2a1	OlaldeScience2019	2000-1400 BCE	-1700	Iberia_BA	Can Roqueta II, Sabadell, Barcelona, Catalonia	Spain
VK87	Denmark_Hesselbjerg	56	10.2	M	K1c2	R1bZ195	R1b-Z198(Z262?)	R1b1a1b1a1a2a1b(1a?)	MargaryanNature2020	850-900 CE	875	Viking	Jutland	Denmark
I3123	BU31, grave 3031	37.9	13.5	M	U8b1b1	R1bZ195	R1b-Z198*	R1b1a1b1a1a2a1b*	FernandesNatEcolEvol2020	2287-2041 calBCE	-2171	Sicily_EBA	Sicily, Buffa	Italy
I4563	GC.2.150.n170 and G	41.3	1.06	M	H1/H84	R1bZ195	R1b-YP5900(xBY42669,xBY36	R1b1a1b1a1a2a1b..	OlaldeScience2019	1700-1500 BCE	-1600	Iberia_BA	Galls Carboners, Mont-ral, Tarragona, Catalonia	Spain
I3496	MC-1573	41.5	2.15	M	H1e1a	R1bZ195	R1b-CTS9993	R1b1a1b1a1a2a1b1..	OlaldeScience2019	300-200 BCE	-250	Iberia_IA	Turó de Ca n'Oliver, Cerdanyola, Barcelona, Catalonia	Spain
SZ5	SZO005.A0101, SRR67	46.3	17.9	M	J2b1	R1bZ195	R1b-BY3194	R1b1a1b1a1a2a1b1..	AmorimNatCommun2018	412-604 CE	508	Germanic	Szólád, Hungary	Hungary
I7672	T-120-1	42	2.39	M	T2h	R1bZ195	R1b-Z202	R1b1a1b1a1a2a1b1a1~	OlaldeScience2019	785-810 CE	797	Iberia_EMA	L'Esquerda, Roda de Ter, Barcelona, Catalonia	Spain
VK166	UK_Oxford_#4; UK_O	51.8	-1.26	M	H3ag	R1bZ195	R1b-BY45170	R1b1a1b1a1a2a1b1a1a~..	MargaryanNature2020	880-1000 CE	940	Viking	Oxford	UK
VK403	Sweden_Skara 217	58.4	13.7	M	K1a4a1a2b	R1bZ195	R1b-BY3222	R1b1a1b1a1a2a1b1a1a~..	MargaryanNature2020	900-1200 CE	1050	Viking	Skara	Sweden
SNN002	SSSN 02 1065	40.7	8.56	M	H1j2a	R1bZ195	R1b-Z274	R1b1a1b1a1a2a1a	MarcusNatCommun2020	1297-1396 calCE	1346	Sardinia_MA	Sassari, SAS	Italy
win002	win002_bone	55.7	13.2	M	U5a1a1	R1bZ195	R1b-BY1806	R1b1a1b1a1a2a1a2..	KrzewińskaJArchaeolSciRep2021		1642	Sweden_Early_Modern	Lund Cathedral	Sweden
VK147	UK_Oxford_#11; UK_	51.8	-1.26	M	T1a1q	R1bZ195	R1b-Y75899	R1b1a1b1a1a2a1a2..	MargaryanNature2020	880-1000 CE	940	Viking	Oxford	UK
I3324	4976	42	3.08	M	H1	R1bZ195	R1b-Z209	R1b1a1b1a1a2a1a1~	OlaldeScience2019	359-172 calBCE	-273	Iberia_IA	Puig de Sant Andreu, Ullastret, Girona, Catalonia	Spain
VK329	Denmark_Ribe 8	55.3	8.76	M	H3+152	R1bZ195	R1b-S18894*	R1b1a1b1a1a2a1a2..	MargaryanNature2020	678-878 calCE	767	Viking	Jutland	Denmark
I3582	sepultura 77	37.3	-4.01	M	K1b1a	R1bZ195	R1b-ZZ11	R1b1a1b1a1a2a1a1a1	OlaldeScience2019	400-600 CE	500	Iberia_EMA	El Castillón, Montefrío, Granada, Andalusia	Spain
win001	win001_bone	55.7	13.2	M	H3b7	R1bZ195	R1b-BY54766	R1b1a1a2a1a1a1a..	KrzewińskaJArchaeolSciRep2021	1605-1679	1642	Sweden_Early_Modern	Lund Cathedral	Sweden
B67		43.3	-2.99		H	R1bZ195	R1b-M153	R1b1a1b1a1a2a1a1a1a1	Alzualde2005	500-700 AD	600	Iberia_EMA	Aldaieta	Spain
B68		43.3	-2.99		H	R1bZ195	R1b-M153	R1b1a1b1a1a2a1a1a1a1	Alzualde2005	500-700 AD	600	Iberia_EMA	Aldaieta	Spain
esp005	CL1, ERS2059523	42.3	-2.41	M	K1a	R1bZZ12	R1b-BY15963	R1b1a1b1a1a2a..	ValdioseraPNAS2018	1600-1300 BCE	-1450	Iberia_BA	Cueva de los Lagos, La Rioja	Spain
VK365	Denmark_Bogovej BS	54.9	10.7	M	U8a2	R1bZZ12	R1b-BY34800	R1b1a1b1a1a2a..	MargaryanNature2020	900-1000 CE	950	Viking	Langeland	Denmark
I3494	CF-1	38.8	-0.87	M	J1c1b	R1bZZ12	R1b-BY3332	R1b1a1b1a1a2a..	OlaldeScience2019	1928-1747 calBCE	-1831	Iberia_BA	Coveta del Frare, La Font de la Figuera, València/Valencia	Spain
I1840	ES.2/4-1	42.6	-2.62	M	H3ap	R1bZZ12	R1b-BY128991*	R1b1a1b1a1a2a..	OlaldeScience2019	1613-1450 calBCE	-1525	Iberia_BA	El Sotillo, Laguardia, Araba/Álava, Basque Country	Spain
I3576	sepultura 27	37.3	-4.01	M	T2c1a2	R1bZZ12	R1b-PH3162	R1b1a1b1a1a2a..	OlaldeScience2019	421-542 calCE	482	Iberia_EMA	El Castillón, Montefrío, Granada, Andalusia	Spain
I3756	TEBO'03, D8 UE12; Tu	38.6	-2.84	M	H1	R1bZZ12	R1b-FT5780*	R1b1a1b1a1a2a..	OlaldeScience2019	2017-1778 calBCE	-1910	Iberia_BA	Castillejo del Bonete, Terrinches, Ciudad Real	Spain
R1220	RMPR-1220	41.9	12.5	M	T2f1a1	R1bZZ12	R1b-PH2781	R1b1a1b1a1a2a..	AntonioScience2019	1480-1490 CE	1485	Italy_Renaissance	Cancelleria	Italy
PSN177		52.2	0.12	M	H2a2b	R1bZZ12	R1b-FGC35133	R1b1a1b1a1a2a..	KivisildAJHG2021	1380 yBP	1380	England_MA	Cambridge	United Kingdom
VK261	UK_Dorset-3736	50.7	-2.47	M	H52	R1bZZ12	R1b-BY64643	R1b1a1b1a1a2a1b2	MargaryanNature2020	970-1025 CE	997	Viking	Dorset	UK
I6470	RISE912	42.7	-3.84	M	J1c1	R1bZZ12	R1b-FT10154	R1b1a1b1a1a2a..	OlaldeScience2019	1746-1540 calBCE	-1659	Iberia_BA	Virgazal, Tablada de Rudrón, Burgos, Castilla y León	Spain
OBE3626-1	OBE3626-1	48.5	7.48	M	R1b	R1bZZ12	R1b-Z225	R1b1a1b1a1a2a5	BrunelPNAS2020	1930-1701 calBCE	-1824	France_EBA	Obernai	France
VAD001	E45	42.4	-2.89	M	U5b1	R1bZZ12	R1b-Z225(xZ2222,xZ29875)	R1b1a1b1a1a2a5	OlaldeScience2019	1872-1547 calBCE	-1691	Iberia_BA	Valdescusa, Hervías, La Rioja	Spain
I3320	S-EVA 9305; Ind 1	40.1	-0.07	M	I1	R1bZZ12	R1b-Z225(BY23311?)	R1b1a1b1a1a2a5(a?)	OlaldeScience2019	300-100 BCE	-200	Iberia_IA	Els Estrets de la Rata, Vilafamés, Castelló/Castellón	Spain
6DT22	6DT22	54	-1.08	M	H2+195	R1bU152	R1b-U152	R1b1a1b1a1a2b	MartinianoNatCommun2016	50-350 CE	250	Britain_Roman	Driffield Terrace	Great Britain
I11442	BU36C, grave 3036c	37.9	13.5	M	K1a3a	R1bU152	R1b-U152?(xL2)	R1b1a1b1a1a2b	FernandesNatEcolEvol2020	2276-2060 BCE	-2170	Sicily_EBA	Sicily, Buffa	Italy
I4144	I5021, RISE563, F0234	48.7	13	M	K1c1	R1bU152	R1b-U152	R1b1a1b1a1a2b	OlaldeNature2018 1240k of sar	2573-2310 calBCE	-2461	Bell_Beaker	Osterhofen-Altenmarkt, Bavaria	Germany
SH/41	SHper41	47.2	21.2			R1bU152	R1b-U152	R1b1a1b1a1a2b	NeparáczkiSciRep2019	Xth c. second half	950	Magyar	Sárrétudvari-Hízóföld/41	Hungary
GLN141		47.9	3.61	M	K1a	R1bU152	R1b-U152(L1358)	R1b1a1b1a1a2b6~	FischerJArchaeolSciRep2019 and Fischer2019	120-80 BC	-100	France_IA	Gurgy 'Les Noisats', Southern Paris Basin	France
VK177	UK_Oxford_#21; UK_	51.8	-1.26	M	H82	R1bBY3549	R1b-FT31867	R1b1a1b1a1a2b.....	MargaryanNature2020	880-1000 CE	940	Viking	Oxford	UK
I4889	feature 544 / Grave 9	50.1	14.5	M	U4a2	R1bL2	R1b-L2	R1b1a1b1a1a2b(1)	OlaldeNature2018	2284-2056 calBCE	-2181	Bell_Beaker	Prague 8, Kobylisy, Ke Stírce Street	Czech Republic
I7289	RDVS_67/80	50.4	14.1	M	U8b1b1	R1bL2	R1b-L2	R1b1a1b1a1a2b(1)	OlaldeNature2018	2456-2209 calBCE	-2339	Bell_Beaker	Radovesice	Czech Republic
I3875	Vil-Lauz-1316	44.5	6.37	M	H1e	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2136-1946 calBCE	-2035	Bell_Beaker	Villard, Lauzet-Ubaye	France
I4895	Grave 3	50.1	14.4	M	H1+16189	R1bL2	R1b-L2(*?Y41922*?)	R1b1a1b1a1a2b1	OlaldeNature2018	2276-2042 calBCE	-2156	Bell_Beaker	Prague 5, Jinonice, Butovická Street	Czech Republic
I7205	RDVS_02/80	50.4	14.1	M	H10+(16093)	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Radovesice	Czech Republic
WEHR_1415child	WEHR_1415child,MF4	48.3	10.8	M	H13a2b2a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2022-1891 calBCE	-1952	CEU_EBA	Wehringen – Hochfeld	Germany
AITI_78	KLE033, ERS3741458	48.2	10.8	M	H3	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	1891-1690 calBCE	-1798	CEU_EBA	Kleinaitingen – Gewerbegebiet	Germany
PRU004	PRU004.B0101.TF1.1	50.1	14.3	M	H4a1a1a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3848±24 BP	-2332	Bell_Beaker	Bohemia	Czech Republic
POST_140	MF498672	48.3	10.9	M	H41a	R1bU152	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2124-1927 calBCE	-1994	CEU_EBA	Haunstetten – Postillionstraße	Germany
RA63	Zuzach1, SNPRA63	47.6	8.29	..	H5a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2131-1945 calBCE	-2020	Switzerland_EBA	Zuzach (CH)	Switzerland
I7276	BRAN_34	50.2	14.2	M	H5b	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Brandysek	Czech Republic
I4886	feature 541	50.1	14.5	M	H6a	R1bL2	R1b-L2(*?)	R1b1a1b1a1a2b1	OlaldeNature2018	2270-2039 calBCE	-2156.5	Bell_Beaker	Prague 8, Kobylisy, Ke Stírce Street	Czech Republic
AITI_2		48.2	10.8	M	H6a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	1885-1696 calBCE	-1803	CEU_EBA	Kleinaitingen – Gewerbegebiet	Germany
I6581	HB0031	50.1	18.1	M	H6a1a	R1bL2	R1b-L2(xBY3483,xDF103,xDF9	R1b1a1b1a1a2b1	OlaldeNature2018	2454-2145 calBCE	-2301	Bell_Beaker	Kornice	Poland
I7210	RDVS_68/80	50.4	14.1	M	H6a1b4	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2201-2037 calBCE	-2187.5	Bell_Beaker	Radovesice	Czech Republic
MX279	1952/24	47.8	8.87	..	H76a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	1882-1742 calBCE	-1808	CEU_EBA	Singen (D)	Germany
MX252	1952/19	47.8	8.87	..	H83	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	1945-1772 calBCE	-1858	CEU_EBA	Singen (D)	Germany
MX283	1952/6	47.8	8.87	..	H+16129	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2127-1926 calBCE	-2021	CEU_EBA	Singen (D)	Germany
MX254	1953/22	47.8	8.87	..	H+16129	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2250-1650 BCE	-1950	CEU_EBA	Singen (D)	Germany
E09569	Grave I/3	48.3	10.9	M	J1c2	R1bL2	R1b-L2(xBY3483,xDF103,xDF9	R1b1a1b1a1a2b1	OlaldeNature2018	2396-2148 calBCE	-2272	Bell_Beaker	Unterer Talweg 85, Augsburg, Bavaria	Germany
AITI_72	KLE030, ERS3741455	48.2	10.8	M	J1c2c2	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	1931-1742 calBCE	-1826	CEU_EBA	Kleinaitingen – Gewerbegebiet	Germany
HOP001	HOP001.B0101.TF1.1	50.1	14.3	M	J1c2r	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3837±24 BP	-2329	Bell_Beaker	Hostivice_17, Bohemia	Czech Republic
HOP003	HOP003.A0101.TF1.1	50.1	14.3	M	J1c7	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	inferred	-2300	Bell_Beaker	Hostivice_20, Bohemia	Czech Republic
I4891	feature 546	50.1	14.5	M	J2a1a2	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2284-2056 calBCE	-2181	Bell_Beaker	Prague 8, Kobylisy, Ke Stírce Street	Czech Republic
scy009	Group 1, Kurgan 1, G	45.3	29.5	M	J2b1a6	R1bL2	R1b-L2(*?)	R1b1a1b1a1a2b1	KrzewinskaSciAdv2018	766-422 calBCE	-618	Scythian	Starosillya	Ukraine
VLI024	VLI024.A0101.TF1.1	50.4	14.4	M	K1a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	inferred	-2200	Bell_Beaker	Vliněves_4340/H228, Bohemia	Czech Republic
RA64	Zuzach2, SNPRA64	47.6	8.29	..	K1a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2274-2041 calBCE	-2149	Switzerland_EBA	Zuzach (CH)	Switzerland
MX288	1952/5	47.8	8.87	..	K1a1a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2201-1985 calBCE	-2101	CEU_EBA	Singen (D)	Germany
MX286	1952/14; MT079078.1	47.8	8.87	..	N1b1b	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2035-1884 calBCE	-1963	CEU_EBA	Singen (D)	Germany
I6580	HB0024	50.9	16.9	M	K1a1b2b	R1bL2	R1b-L2(Y41922*?)	R1b1a1b1a1a2b1	OlaldeNature2018	2300-2150 BCE	-2225	Bell_Beaker	Jordanów Śląski	Poland
OBKR_80	OBKR_80	48.3	10.9	M	K1a3	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2136-1955 calBCE	-2050	CEU_EBA	Königsbrunn – Obere Kreuzstraße	Germany
OBKR_86		48.3	10.9	M	K1a3	R1bU152	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2035-1892 calBCE	-1966.5	CEU_EBA	Königsbrunn – Obere Kreuzstraße	Germany
POST_44	POST_44	48.3	10.9	M	K1a3a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2189-1976 calBCE	-2073	CEU_EBA	Haunstetten – Postillionstraße	Germany
I7282	RDVS_116/78	50.4	14.1	M	K1a3a3	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Radovesice	Czech Republic
I7287	RDVS_59/80-I	50.4	14.1	M	K1a4a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Radovesice	Czech Republic
WEHR_1192SkA	WEHR_1192SkA	48.3	10.8	M	K1a4a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2339-2147 calBCE	-2243	Bell_Beaker	Wehringen – Hochfeld	Germany
I5659	RISE923	48.8	12.8	M	K1a4b	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Irlbach, County of Straubing-Bogen	Germany
POST_47	MF498700	48.3	10.9	M	K2a5	R1bU152	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2136-1952 calBCE	-2047	CEU_EBA	Haunstetten – Postillionstraße	Germany
POST_28	MF498694	48.3	10.9	M	K2a5	R1bU152	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2027-1898 calBCE	-1967	CEU_EBA	Haunstetten – Postillionstraße	Germany
I7286	RDVS_53/80-1	50.4	14.1	M	I4a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2403-2199 calBCE	-2271	Bell_Beaker	Radovesice	Czech Republic
I5519	F0172	48.3	10.9	M	I4a	R1bL2	R1b-L2(xBY3483,xDF103,xDF9	R1b1a1b1a1a2b1	OlaldeNature2018	2500-2000 BCE	-2250	Bell_Beaker	Augsburg Sportgelände, Augsburg	Germany
MX275	1951/6	47.8	8.87	..	W3a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	FurtwaenglerNatCommun2020	2136-1957 calBCE	-2048	CEU_EBA	Singen (D)	Germany
VLI029	VLI029.B0101.TF1.1	50.4	14.4	M	W3a1c	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	inferred	-2200	Bell_Beaker	Vliněves_4471/H248, Bohemia	Czech Republic
AITI_43		48.2	10.8	M	X2b+226	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	1888-1700 calBCE	-1810	CEU_EBA	Kleinaitingen – Gewerbegebiet	Germany
I20766_I20744	HUNG152 , I20766	47.5	19.1	M	X2b4a	R1bL2	R1b-L2	R1b1a1b1a1a2b1	HarneyCheronetbioRxiv2020	2,600-2,400 ybp	-550	Balkans_IA	Kesznyéten-Szérűskert, Hungary	Hungary
KO1003	KO1003.B0101.TF1.1	50	15.2	M	HV	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3783±25 BP	-2214	Bell_Beaker	Kolín II_4071, Bohemia	Czech Republic
KOP003	KOP003.merged	50	15.2	M	HV15	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3907±24 BP	-2388	Bell_Beaker	Kolín VI_5216, Bohemia	Czech Republic
I5529	F0238	48.7	13	M	HV15	R1bL2	R1b-L2	R1b1a1b1a1a2b1	OlaldeNature2018	2800-1800 BCE	-2300	Bell_Beaker	Osterhofen-Altenmarkt, Bavaria	Germany
MIB004	MIB004.B0101.TF1.1	50	15.8	M	R1b1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3503±18 BP	-1824	Unetice	Mikulovice_62, Bohemia	Czech Republic
POST_50	POST_50	48.3	10.9	M	T1a1	R1bL2	R1b-L2	R1b1a1b1a1a2b1	MittnikScience2019	2199-2027 calBCE	-2095	CEU_EBA	Haunstetten – Postillionstraße	Germany
I5514	Grave 6	50.1	14.4	M	T2b	R1bL2	R1b-L2(*?)	R1b1a1b1a1a2b1	OlaldeNature2018	2287-2140 calBCE	-2205	Bell_Beaker	Prague 5, Jinonice, Butovická Street	Czech Republic
MIB001	MIB001.A0101.TF1.1	50	15.8	M	T2b	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3516±20 BP	-1837	Unetice	Mikulovice_51, Bohemia	Czech Republic
KO1004	KO1004.B0101.TF1.1	50	15.2	M	T2b11	R1bL2	R1b-L2	R1b1a1b1a1a2b1	PapacSciAdv2021	3787±24 BP	-2215	Bell_Beaker	Kolín II_4073, Bohemia	Czech Republic

Object-ID	Colloquial-Sheitel	LatitudeLongitude	Sex	mtDNA-contAnnmtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YF FTDNA-mt-Haplotype	mt-Sin-h6.5-HVS-1	HVS-II	mt-SNPs	Responsible Y-DNA	Y-New	SNP-positive SNP-negative SNP-dubious	NRY	Y-FAR.F.Simple	YTree	Y-Haplotree	Y-Haplotree-T	FTDY-Full	Y-Th-SGOG2019	FTDNA-Y-Haplotree	Y-SymY-SymbolsResponsible SNPs	Autosomo.Damage-R.Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
MY5002	MY5002.merged	50	15.8 M		T2c1d1	T2c1d1	T2c1d1	T2c1d1			R1b - P312	L25/139			R1b-L2	R1b-L2	R-L2	R-L2	R-L2	R1b-L2	R1b1a1a1a2a1	R1b	R1b/U152		PapuaSuhu2021	MAMS-33844	1582±19 BP	-1950	-2012	-1887	Unetice Bohemia	Bohemia_CW_Early	Bohemia_CW_Early	Mikulovice_B2b, Bohemia	Czech Republic
I3597	Grave 12	48.9	12.5 M	283	0.24 T2f	T2f	T2f	T2f			HaploGroup2	R1b1a1a2a2b1	L2	6529	0.95 R1b1a2	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	YLeafpathPhylo	119431	0.107	0.078 PASS	Germany, Bavaria, Alburg	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2300 2150 BCE	-2225	-2300	-2150	2	Bell_Beaker	Bell Beaker Bohemia	Germany_BV_Alburg	Germany, Bavaria, Alburg	Germany
I8209	10-SU-28-01-E-099	42.1	3.11 M	62.1	U1a1a	U1a1a	U1a1a	U1a1a			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	RM269>P312/S116>Z40481/Z21>U152/S28>L21/S18	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaScience2019	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-752.407 calBCE (245	-604	-752	-417	Iberia_Hel	NE Iberia Hellenistic (Empúries1)	Spain_Greek_stucco	Empúries, Girona, Catalonia	Spain
VU050	VU050 BD101.TF1.1	50	14.4 M		U2e1b	U2e1b	U2e1b	U2e1b			R1b - P312	L25/139			R1b-L2	R1b-L2	R-L2	R-L2	R-L2	R1b-L2	R1b	R1b/U152		PapuaSuhu2021		1680±54	Inferred	Inferred	-2000 2300	-2300	-2000	3	Bell_Beaker	Bell Beaker Bohemia	Germany_BV_Alburg	Vinslöwe, Ostfriesland, Germany	Germany
I9351	BRAN_9	50.2	14.2 M	338	U2e1h	U2e1h	U2e1h	U2e1h			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2	BY3483, ID105, DF90, Z2158	S7032	R-L2	R-L2	R-L2	R1b-L2>BY3483,xLDF103,xDF99	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.079 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek	Czech Republic
I9359	BRAN_8	50.2	14.2 M		U2e1h	U2e1h	U2e1h	U2e1h			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2		S7032	R-L2	R-L2	R-L2	R1b-L2	R1b	R1b/U152		OlalaNatural2018	Inferred	Inferred	-1856	-2017	-1694	3	Unetice	Unetice Bohemia	Czech_Bell/Beaker	Brandýsek	Czech Republic
I2228	BRAN_71	50.2	14.2 M	173	0.24 U4a	U4a*	U4a*	U4a*			Y2a1	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	S3881	0.98 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2862-2208 calBCE (3	-2383	-2662	-2208	8	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek (7278)	Czech Republic
I7271	BRAN_108	50.2	14.2 M	37.8	0.24 U4a	U4a	U4a	U4a			R1b	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	9383	0.95 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Kinkyn	1930±50	0.38443	0.104 PASS	Czech Republic, Brandýs	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek (7278)	Czech Republic
I4711_I19	AITI_119	48.2	10.8 M		U4a	U4a	U4a	U4a			..	BT (low coverage)	paleithread brother of AITI_120, AITI_118, son of AITI_87		0.85 R1b1a2	R1b-L2	R-L2	R-L2	R-L2	R1b	R1b/U152		2521	0.03602	QUESTION	Germany, cross-site farm	MittelKirschenz2019	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	1895-1695 calBCE (3	-1803	-1894	-1692	4.6 years	CTU_EBA	EBA Lech Valley	Germany_Lech_EBA_brother:AITI_1	1 Kleinattingen – Grewerbegebiet AITI	Germany
I4711_I20	AITI_120	48.2	10.8 M		U4a	U4a	U4a	U4a			..	BT (low coverage)			0.85 R1b1a2	R1b-L2	R-L2	R-L2	R-L2	R1b	R1b/U152		2521	0.03602	QUESTION	Germany, cross-site farm	MittelKirschenz2019	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	1895-1695 calBCE (3	-1803	-1894	-1692	15-17 years	CTU_EBA	EBA Lech Valley	Germany_Lech_EBA_brother:AITI_1	1 Kleinattingen – Grewerbegebiet AITI	Germany
MA257	1993/1	47.8	8.87 F	0.22	U4a	U4a	U4a	U4a			..	low coverage		R1b-L2	1.2	252 - R1C13980 - R1C12403	16825	0.85 R1b1a2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		PortweingarNeMunich2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-1792	-1880	-1694	-1792	1880	CTU_EBA	Baden EBA	Germany_SouthernGermany_Singer	Singen (D)	Germany
AITI_120	KLD546, ERS2414349	48.2	10.8 M	0.22	U4a	U4a	U4a	U4a			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	R-P312/S116 > Z40481 > Z21 > U152/S28 > L21/S18	9383	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-1894-1692 calBCE (3	-1803	-1894	-1692	4.6 years	CTU_EBA	EBA Lech Valley	Germany_Lech_EBA_brother:AITI_1	1 Kleinattingen – Grewerbegebiet AITI	Germany
I5480	FI0561	50.2	14.3 M	150	0.24 U4a2	U4a2	U4a2	U4a2			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	24684	0.94 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2500-1800 BCE	-2200	-2500	-1900	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Velké Přílepy	Czech Republic
I5589	Grave 3	48.9	12.5 M	549	0.23 U4a2	U4a2	U4a2	U4a2			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	18830	0.95 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2500-2150 BCE	-2325	-2500	-2150	2	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Alburg southern Bohemia	Germany
I4885	feature 528 / Grave 3	50.1	14.5 M	91.6	0.25 U5a1i	U5a1i	U5a1i	U5a1i			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	BY3483, DF110, DF90, Z2158	6176B	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	YLeafpathPhylo	83243	0.383	0.145 PASS	Czech Republic, Prague	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2291-2142 calBCE (3	-2191.5	-2240	-2143	5	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Prague 8, Kobylisy, Na Strice	Czech Republic
PO07_6	MF48707	48.3	10.9 M	0.24	U5a1a1	U5a1a1	U5a1a1	U5a1a1	T16362C	T16362C	16154C	R1b1a1a2a2b1	R1b1a1a2a2b1	L2		R1b1a2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	YLeafpathPhylo	83243	0.383	0.145 PASS	Germany	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2833-1880 calBCE (3	-2356.5	-2833	-1880	14-16 years	EBA	EBA Lech Valley	Germany_lech_EBA	Germany	Germany
I8535	I9B0032	50.1	18.1 M	46.2	0.25 U5a2b	U5a2b	U5a2b	U5a2b			HaploGroup2	I8T	see I8535_brother I8542		295.9	0.97 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	YLeafpathPhylo	2941	0.002	QUESTION	Poland, Rzeszow Family	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2862-2204 calBCE (3	-2533	-2864	-2204	8	Bell_Beaker	Bell_Beaker_Czech	Czech_CZE	Kolín IV, 49891 Bohemia	Czech Republic
KOP002	KOP002.merged	50.2	15.1 M		U5a2b	U5a2b	U5a2b	U5a2b			R1b - P312	L25/139			R1b-L2	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Kinkyn	2403	0.1	0.1 PASS	Germany	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2400-2000 BCE	-2200	-2400	-2000	3	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Bohemia_Unetice_Classical	Czech Republic
CHL005	CHL005.merged	50.2	15.1 M		U5a2d1a	U5a2d1a	U5a2d1a	U5a2d1a			R1b - P312	L25/139			R1b-L2	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Inferred	14615			Inferred	Inferred	-2050	-2200	-1900		Unetice	Unetice Bohemia	Bohemia_Unetice_Classical	Chlistky_2076, Bohemia	Czech Republic
MY5001	MY5001.merged	50.2	14.2 M		U5b1b1a	U5b1b1a	U5b1b1a	U5b1b1a			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	3819.19	0.98 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		PapuaSuhu2021		3819±19 BP		PASS								
I3275	BRAN_26	50.2	14.2 M	305	0.29 U5b2c	U5b2c	U5b2c	U5b2c			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2	A6454,R12823,BY3113,BY3	S3021	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Kinkyn	3084±52	0.28218	0.104 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Budapest-Békásmegyer	Hungary
I3365	Grave 15a, Grave 45	47.6	18.3 M	0.3	U5b3	U5b3	U5b3	U5b3			HaploGroup2	R1b1a1a2a2b1	U152, L2	A10725>A10735,A6454,R1	S3021	R-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	YLeafpathPhylo	2764±53	0.46924	0.079 PASS	Germany, Bavaria	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Budapest-Békásmegyer	Hungary
I2212	ROV5_70780	50.4	14.1 M	261.6	0.09 K1b1a1a+199	K1b1a1a+199C*	K1b1a1a+199C*	K1b1a1a+199C*			Y2a1	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	6365	0.95 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.077 PASS	Czech Republic, Radovesice	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2854-2281 calBCE (3	-2214.5	-2236	-2093	8	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Radovesice	Czech Republic
I2262	BRAN_3	50.2	14.2 M	337.9	0.22 U7	U7	U7	U7			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2	9383	0.95 R1b1a2	R1b-L2*	R-L2*	R-L2*	R1b1a1a2a2a2b1	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.077 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2138-1973 calBCE (3	-2061	-2138	-1973	8	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek	Czech Republic
I5666	FI0519	50.3	15.8 M	243	0.25 U4a2c	U4a2c	U4a2c	U4a2c			HaploGroup2	R1b1a1a2a2b1	R1b1a1a2a2b1	L2 (1xC->T),BY1135 [1xC->G]	20439	0.94 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	Kinkyn	1955±50	0.28	0.137 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2800-1800 BCE	-2300	-2800	-1800	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Lochenice	Czech Republic
I5690	BRAN_12	50.2	14.2 M	169.9	0.22 T2e	T2e	T2e	T2e			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2	R-BY3483>BY3506	S7032	R-L2	R-L2	R-L2	R1b1a1a2a2a2b1	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.077 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2500-2150 BCE	-2325	-2500	-2150	2	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek	Czech Republic
I8411	Lovosice 2; 16	50.5	14.1 M	54.1	0.24 H6	H6	H6	H6			HaploGroup2	R1b	R1b1a1a2a2b	R-P312/S116 > Z40481 > Z21 > U152/S28 > L21/S18	10381	0.82 R1b0F103	R-P312	R-L2	R-L2	R1b1a1a2	R1b	R1b/U152	YTree	2945	0.863	0.093 PASS	Germany	DamgartnMarbach2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-900-592 calBCE (3	-752	-900	-592	9	Unetice	Unetice	Czech_Bell/Beaker	Lovosice 2, 16	Czech Republic
I5665	MY5111	42.7	12.84 M	470.2	0.14 H6a1a	H6a1a	H6a1a	H6a1a			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2	FGC41837	R1b1a2	R-L2	R-L2	R-L2	R1b1a1a2a2a2b1	R1b	R1b/U152	Kinkyn	2521	0.03602	QUESTION	Germany, cross-site farm	MittelKirschenz2019	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	1895-1695 calBCE (3	-1917	-1893	-1693	34-36 years	CTU_EBA	EBA Lech Valley	Germany_Lech_EBA_brother:AITI_1	1 Kleinattingen – Grewerbegebiet AITI	Germany
I2227	I2278, SZ0025,AE001	46.3	17.9 M	2.95	0.04 N1a1a1a1	N1a1a1a1	N1a1a1a1	N1a1a1a1			N1	N	HaploGroup2	R1b1a1a2a2a2	FTDNA: Shares 1 SNP with a man from France.	F2geneticd	R-L2	R-L2	R-L2	R1b1a1a2a2a2	R1b	R1b/U152	FTDNA/YFull	2521	0.03602	0.1158 PASS	Hungary, Szolad Family C	AncestrimMyCommunity2018	Direct (Warning MISSING	1455-563 calBCE (1595	-483	-619	-543	Germania	Longobard migration	Longobard_Hungary	Szolád, Hungary	Hungary
I8833	I9D2014	48.8	12.1 M	88.3	0.21 r1b+498+398+3950	r1b+498+398+3950	r1b+498+398+3950	r1b+498+398+3950			R1b	R1b1a1a2a2b	R1b1a1a2a2b	L2	6993	0.94 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.132 PASS	Germany, Irlbach LKR Pa	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_CZE	Kolín IV, 49891 Bohemia	Czech Republic
I5835	RISE930	48.8	12.8 M	230	0.21 J1c	J1c*	J1c*	J1c*			R1b	R1b1a1a2a2b	R1b1a1a2a2b	L2	4789?	0.90 R1b1a2	R-DF110	R-DF110	R-DF110	R1b1a1a2a2b	R1b	R1b/U152	YFull	2764±53	0.46924	0.125 PASS	Germany, Irlbach LKR Pa	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_CZE	Kolín IV, 49891 Bohemia	Czech Republic
MY5003	MY5003.merged	50.3	15.1 M		R1a1a	R1a*	R1a*	R1a*			R1a	R1a1a1	R1a1a1	R-U152 > L2 > DF13> DF100 DF103 Y3961 Y3964		R1a-Z93	R-Z93	R-Z93	R-Z93	R1a1a1	R1a	R1a/M420	YFull	2764±53	0.46924		PASS	Armenia	ancientJoseph2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-800-500 BCE	-650	-800	-500	3	Iron_Age	Iron_Age	Iron_Age	Ararat_Plain, Armenia	Armenia
BRC002	BRC002	45.5	11.6 M	0.11	N1a1a1a1a1	N1a1a1a1a1	N1a1a1a1a1	N1a1a1a1a1			N1	N	R1b1-DF90	U152 (1x C->T)GC15463, FGC15463, FGC15463, FGC	11228	0.83 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	DF90>FGC14646>FGC	DF90	DF90	DF90	PASS	SauperCourt8b2021	Archaeological Context	failed C14 dating	-1689	-1925	-1452	Italy_BA	Italy_Bronze_BA	Grottina del Covolini del Broion, Italy	Italy
R8851	RMPR-851	45.5	11.6 M	0.11	N1a1a1a1	N1a1a1a1	N1a1a1a1	N1a1a1a1			HaploGroup2	R1b1a1a2a2a2b1	R1b1a1a2a2a2b1	L2 (1x C->T) FGC15463, BY3017113, FGC15463, FGC	11228	0.83 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2a2b1	R1b	R1b/U152	FTDNA/YFull	2521	0.03602	0.1158 PASS	Germany	AncestrimMyCommunity2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-1689-1425 calBCE (3	-1557	-1688	-1427	5	Bronze	Bronze	Germany_Bronze	Ardea, antiquity, Italy	Italy
I9273	Russia_Greedovo 77-	50.4	14.1 M	110.3	0.62 Q2a2a1b1	Q2a2a1b1	Q2a2a1b1	Q2a2a1b1			R1b	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	R-P312*S116>Z40481>Z21>U152>S28>L21>S18	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-900-1100 CE	-1000	900	1100	Viking	Viking Russia	Russia_Viking	Greedovo	Greedovo	Russia
MY2793	I3512/22	47.8	8.87	0.3	U5a1d1b	U5a1d1b	U5a1d1b	U5a1d1b			R1b	R1b1a1a2a2b1	R1b1a1a2a2b1	L2	R-Z40481>Z40480>Z40481	R1b1a2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152		Germany_Southern Germany	MittelKirschenz2019	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	-1950-1688 calBCE (3	-1950	-1950	-1688	3	Bronze	Bronze	Germany_SouthernGermany_Singer	Singen (D)	Germany
V6373	Denmark_Galgedil BE	55.5	10.3 M	106.5	0.06 J2b1a	J2b1a*	J2b1a*	J2b1a*			J2	J	T10/ U107 U152> S23/ S165> S8/ S516> S9/ S513> S		0.24 R1b2a2b	R1b-L20	R-L20	R-L20	R-L20	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	7737	1.09	0.095 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	800-1100 CE	950	800	1100	Viking	Viking Denmark	Denmark_Viking_SG	Funen	Galgedil	Denmark
V6374	Denmark_Galgedil BE	55.5	10.3 M	0.06	J2b1a	J2b1a	J2b1a	J2b1a			J2	J	T10/ U107 U152> S23/ S165> S8/ S516> S9/ S513> S		0.24 R1b2a2b	R1b-L20	R-L20	R-L20	R-L20	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	7737	1.09	0.095 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	800-1100 CE	950	800	1100	Viking	Viking Denmark	Denmark_Viking_SG	Funen	Galgedil	Denmark
V6375	Denmark_Hesselbjerg	56	10.2 M	144.1	0.18 H5g1	H5g1	H5g1	H5g1			H5	H	152C 2630 7500 14380 3907 4418C 4769G 6776		0.58 R1b2b1	R1b-FGC10249	R-FGC10249	R-FGC10249	R-FGC10249	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	2764±53	0.46924	0.077 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	850-900 CE	875	850	900	Viking	Viking Denmark	Denmark_Viking_SG	Jutland	Hesselbjerg	Denmark
I2187	MB1 TB-E-448 Ind 2	41.4	13.7 M	41.54	0.13 J1c1	J1c1	J1c1	J1c1			HaploGroup2	R1b1a1a2a2b	R1b1a1a2a2b	L2	Y3961>Y3964>Y3966>Y3968>Y3970>Y3971>Y3972>Y3973	R1b1a2	R-L2	R-L2	R-L2	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	7737	1.09	0.095 PASS	Italy	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	1000-1150 CE	1100	1000	1150	Viking	Viking Italy	Italy_Viking_SG	Iberian culture	Spain	Spain
V4286	Denmark_Bogense SG	55.4	10.7 M	0.16	J1c+C2b2b1f	J1c+C2b2b1f	J1c+C2b2b1f	J1c+C2b2b1f			J2	J	T10/ U107 U152> S23/ S165> S8/ S516> S9/ S513> S		0.24 R1b2a2b	R1b-L20	R-L20	R-L20	R-L20	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	7737	1.09	0.095 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	1000-1150 CE	1100	1000	1150	Viking	Viking Denmark	Denmark_Viking_SG	Funen	Bogense	Denmark
I8887	feature 542	50.1	14.5 M	228	0.24 K1a1b	K1a1b	K1a1b	K1a1b			HaploGroup2	R1b1a1a2a2b	R1b1a1a2a2b	L2	BY3483, ID105, DF110, DF90	7076S	R-L2	R-L2	R-L2*	R1b1a1a2a2b	R1b	R1b/U152	Kinkyn	1955±50	0.28	0.137 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2800-1800 BCE	-2300	-2800	-1800	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Lochenice	Czech Republic
I8888	feature 543	50.1	14.5 M	124	0.24 K1a1b1	K1a1b1	K1a1b1	K1a1b1			HaploGroup2	R1b1a1a2a2b	R1b1a1a2a2b	L2	20763	0.94 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	Kinkyn	2764±53	0.46924	0.077 PASS	Czechia	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250	-2500	-2000	11	Bell_Beaker	Bell_Beaker_Czech	Czech_Bell/Beaker	Brandýsek	Czech Republic
PDH27	PDH27	48.7	16.9	0.07	T2b1f1	T2b1f1	T2b1f1	T2b1f1			..	R1b			0.97 R1b1a2	R1b-L2	R-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	UnclHaplogroup2021				PASS	9th-10th c.	900	900	1000	Slav	Great Moravia	Italy_Bronze_BA	Italy	Italy	Italy
BRC003	BRC003	45.5	11.6 M	0.11	N1a1a1a1	N1a1a1a1	N1a1a1a1	N1a1a1a1			N1	N	R1b1-DF90	U152, L2(1xC->T)FGC15463, FGC15463, FGC15463,	11228	0.83 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2a2b	R1b	R1b/U152	DF90>FGC14646>FGC	DF90	DF90	DF90	PASS	SauperCourt8b2021	Raw BP dates and calibrations	Calibrated 2σ range	1439 to 1539 cal.	-1539	-1439	-1539	2	Italy_BA	Italy_Bronze_BA	Grottina del Covolini del Broion, Italy	Italy	Italy
V6335	Cland_1068	56.7	16.7 M	78.8	0.53 K1b2a3	K1b2a3	K1b2a3	K1b2a3			R1b	R1b1a1a2a2b	R1b1a1a2a2b		FTDNA: Shares 8 SNPs with a man from France. F2geneticd	YFull 18457	R-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	FTDNA/YFull	2764±53	0.46924	0.077 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	800-1100 CE	950	800	1100	Viking	Viking Sweden	Sweden_Viking_SG	Oland	Oland	Sweden
V6400	Sweden_Skara 106	56.4	13.5 M	77.2	0.19 T1a1	T1a1	T1a1	T1a1			R1b	R1b1a1a2a2b	R1b1a1a2a2b1b1b1	Shares 10 SNPs with a man with unknown place (Ancient) dec	0.57 R1b2a2	R1b-L20	R-L20	R-L20	R-L20	R1b1a1a2a2b1b	R1b	R1b/U152	FTDNA/YFull	2764±53	0.46924	1.67 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	800-1000 CE	900	800	1000	Viking	Viking Sweden	Sweden_Viking_SG	Funen	Varnhem	Sweden
V6138	Denmark_Galgedil AC	55.5	10.3 M	164.4	0.2 T2b5	T2b5	T2b5	T2b5			R1b	R1b1a1a2a2b	R1b1a1a2a2b1	L2	7152	0.94 R1b1a2	R1b-L20	R-L20	R-L20	R1b1a1a2a2b1	R1b	R1b/U152	FTDNA/YFull	2764±53	0.39	0.077 PASS	Denmark	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	800-1100 CE	950	800	1100	Viking	Viking Denmark	Denmark_Viking_SG	Funen	Galgedil	Denmark
R407	RMPR-407	45.5	11.6 M	0.11	R1a1a1	R1a*	R1a*	R1a*			R1a	R1a1a1	R1a1a1	R-M420	0.94 R1a1a2	R1a-Z93	R-Z93	R-Z93	R-Z93	R1a1a1	R1a	R1a/M420	YFull	2764±53	0.46924	0.125 PASS	Italy	MargeyerNature2020	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	400-200 BCE	-300	-400	-200	3	Italy_BA	Italy_Republic	Lari, Pressedro Tribe	Italy_Republic_LaGiacer-MonteBernicle	Italy
I8472	RISE701, RISE702, sam	40.5	13.7 M		R1b	R1b	R1b	R1b			HV0	HV			1177.2	0.94 R1b1a2	R1b-L2	R-L2	R-L2	R1b1a1a2a2b	R1b	R1b/U152	Kinkyn	1873±30	0.17577	PASS	Italy	OlalaNatural2018	Direct: 95.4%; inCalC2b	Direct: 95.4%; inCalC2b	2500-2000 BCE	-2250

Object-ID	Colloquial-Skeletal	LatitudeLongitude	Sex	mtDNA-consFAMtDNA-haplogroup	mtDNA-Haplotype	mt-FT-tree	mt-19-FTDNA-mt-Haplotype	mt-Sin-mt-5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-tree	SNP-positive SNP-negative SNP-undecisive	NRY	Y-FAMT-Simple	YTree	Y-Haplotree-Y-Haplotree-I-F-FTD-YfullY-Haplotree	Y-FTDNA-Y-Haplotree
Donkelmi7	Donkelmi7	55.8 22.4 M		0.41 U5a2d1	U5a2d1	U5a2d1	U5a2d1 |||\

Object-ID	Colloquial-Sheifat	Lat	Lon	Sex	mtDNA-cons	mtDNA-hapLogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YFTDNA-mt-Haplotype
I5144	ESP35	51.4	11.7 M		34.1	K2b2	K2b2	K2b2	K+6142+C16+C262
I5207	RV55_D4/B1_Radowe	50.5	13.8 M		101.1	U5	U5a1	U5a1	R+6152+C+8697+C+9576+B+9819+A+9821
pcw420	postlgr_2	50.2	20.3 M		1.3012E-20	U7	U7	U7	T+6023+A+6040+T+9540+C+9755+T+9755+C+9783+C+9784+C+9824+C+9966+A+10126
I5141	ESP32	51.4	11.7 M		92.5	U5	U5a1a1	U5a1a1	T+C+2772+T+9540+C+T10257+C+10260+C+10267+T+10269+C+10270+A+10271
I5136	ESP17	51.4	11.7 M		110	U5	U5a1g	U5a1g	T+C+10+C+16+C+73+C+146+C+150+T+182+C+195+A+199
Pfm3202	PfM3202_AD101.TF1.1	50.1	15.8 M			H5b	H5b	H5b	H+C+C+16+T+73+C+146+C+150+T+182+C+195+A+199
BUT003	BUT003.AD101.TF1.1	50.1	14.3 M			H3v	H3v	H3v	H+C+C+16+T+73+C+146+C+150+T+182+C+195+A+199
VUE19	VUE19.BD101.TF1.1	50.4	14.4 M			H5c	H5c	H5c	H+C+C+16+T+73+C+146+C+150+T+182+C+195+A+199
VUE16	VUE16.BD101.TF1.1	50.4	14.4 M			K1b1a1	K1b1a1	K1b1a1	H+C+C+16+C+C+C

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotype
Turbjerg54	Turbjerg54	54.4	23.3	K	H4a1a1a3	H4a1a1a3	H4a1a1a3	16189!C!T!!!

Object-ID	Colloquial-Skeletal	Lab-Number	Sex	mtDNA-contMT	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtDNA	mt-HP-FTDNA-mt-Haplotype	Sim-Sim-0.5-MVS-1	MVS-1	MVS-NO	mt-SNPs	Responsible-Y-DNA	Y-DNA	Y-New	SNP-positive SNP-negative SNP-untest	Y-FAST-Simple	Y-Haplotype-1	Y-Haplotype-1-FT	Y-Haplotype-1-FT-Y	Y-Haplotype-1-FT-Y-Y-ISOGD2019	FTDNA-Y-Haplotype	Y-SNP-Symbol	Responsible-SNP	Autosomo-Damage-R-Assessment	Kinship-Notes	Source	Method-Date	Date	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
kub007	Kurgan 23, Burial 4 (=	54.1	55.5	M	...	0.22	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	U5a1	A+8+8+8+9+9+9

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon Lg	Sex	mtDNA-C	mtDNA-Name	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT	mtree	mt-19-FTDNA-mt-Haplotree
PDM010	E15	20.6	-77.7	F	41.4221	0.13	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
JA42		-14.5	-75.2			0.13	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
GE14		-14.5	-75.2			0.13	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
GE25		-14.5	-75.2			0.13	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
CH-01	JRL Burial #1	34.4	-120.7		4.19	0.1	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
	18414	-25.8	-65.4	F		0.1	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
PC-455		18.1	-65.8	M		0.09	A2 (quality: 81)	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LP15.5B	TW-BOL 008A	-16.6	-68.7			0.09	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
CA0030	E85	23	-81.5 F		76.3826	0.09	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LP17.8	A20 ID1/09 ind2	-12.1	-77			0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LP20.4	A20 ID1/07 ind1	-12.1	-77			0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LP40.4	A20 OxD7 ind2	-12.1	-77			0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I8971	10774A	-12.1	-77.7	F	43.1	0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
CP008		7141	23	-83.3 F	200.995	0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Concho 31		1991.02	-13.1	-74.2		0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Concho 23		601568	-13.1	-74.2		0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Concho 26		2816.01	-13.1	-74.2		0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Concho 29		1728.01	-13.1	-74.2		0.08	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
PI-382		18.4	-66.4	F		0.08	A2 (quality: 95.08)	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
CR-01	SDM94, 16713	34	-120	F	135.44	0.07	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I15975	515975.Y1.E1.L1	18.5	-69.7	F	179.1	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I15959	515959.Y1.E1.L1	18.5	-69.7	F	97.32	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I3243	SC9_1236_BJO251	-7.93	-79.3 F		27.4	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
OCC08		-14.5	-75.2			0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I13324	513324.E1.L1	18.4	-66.3 F		255.7	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I17922	3490; Trimchevo 1, Ent	18.8	-70.3 F		157.6	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I18300	3487; Montricoto 6, Pi	18.8	-70.3 F		191.6	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I17908	3496; Montricoto 5, Pi	18.8	-70.3 F		276.1	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I8547	58547.E1.L1	18.4	-69.6 F		188	0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
TR		-21.2	-65.3			0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
M31688		-4.6	-74.2			0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
SPy1		-21.2	-65.3			0.06	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
SO323	PO4	-19.9	-69.5			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
SO322	PO3	-19.9	-69.5			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn101		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn102		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn122		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn2		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn7		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn8		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn3		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn4		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn5		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Lihn6		-21.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Huari-MQ-07		-13.1	-74.2			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Huari-MQ-14	P	-13.1	-74.2			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Huari-MQ-04	Q	-13.1	-74.2			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
DC9		14136	-23	-66	M	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
DC7		13955	-22.4	-66	F	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
DC12		14103	-22.4	-66	F	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
DC2		13986	-22.4	-66	F	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
DC5		14071	-22.4	-66	M	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I8972	MOCH_PE7076	34	-120	F	33.18	0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
PI-177		18.4	-66.4	U		0.05	A2 (quality: 94.9)	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LPAD.5	Inv76	-11.6	-77.2			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Tar2		-24.8	-65.4			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Tar1		-24.8	-65.4			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
FA51		-24.8	-65.4			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Hua1		-23.2	-65.3			0.05	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
PDM008	420a, PI-420A	18.4	-66.4 F		94.7504	0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
LAU009		3	14.1	-60.9 M	181.242	0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
JA06		-14.5	-75.2			0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
BC1		-14.5	-75.2			0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I14861	514861.Y1.E1.L1	24.1	-77.6 F		54.72	0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I7971	57971.E1.L1	19.8	-70.7 F		123	0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
SO300	5061	-14.6	-74.8			0.04	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Huaj3	SJuJ'un10 T2 cirineo	-23.9	-65.5	U		0.03	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
Huaj6_7	SJuJ'un10 T3 ind 1	-23.9	-65.5	F		0.03	A2	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
CH14A	Cooxaw	32.8	-79.9 F			0.01	A2 (0.98652)	A2	hiseq	A2	hiseq:A+A+T152C!A+A2
I8552b	MC1Z2	66.2	-170 F		364	0.32	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2a
I5125	Mos09	66.2	-170 F		0.2	A2a	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2a
I7155	Mos103	66.2	-170 F		312.4	0.34	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2a
PCA002	OB exit 46	18.1	-65.8 M		61.8685	0.14	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2a
I7149	MC0001_Mos97	66.2	-170 F		264	0.13	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2a
I7344	Mos83	66.2	-170 F		566	0.46	A2a1	A2a1	hiseq	A2a1	hiseq:A+A+T152C!A+A2a+A2a1
I8294	Mos200	66.2	-170 F			0.34	A2a1	A2a1	hiseq	A2a1	hiseq:A+A+T152C!A+A2a+A2a1
S1103		70.1	160			0.09	A2b1	A2b1	hiseq	A2b1	hiseq:A+A+T152C!A+A2b+A2b1
T033		4.54	-74.3			0.56	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
UB3		5.31	-73.8			0.46	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
A246		4.6	-74.3			0.32	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
CA0020	E121	23	-81.5 F		111.514	0.26	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I13376	7184	-38.8	-62.1 F			0.19	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
CA0016	E108	23	-81.5 F		17.7455	0.16	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I8510	58510.E1.L1	18.4	-69.6 F		130	0.1	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-140		18.4	-66.4 U			0.09	A2+G6A! (quality: 93.14)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-67		18.4	-66.4 M			0.08	A2+G6A! (quality: 93.14)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-51	PI-51	18.4	-66.4 M			0.07	A2+G6A! (quality: 93.14)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-41		18.4	-66.4 F			0.07	A2+G6A! (quality: 85.4)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-399		18.4	-66.4 U			0.07	A2+G6A! (quality: 93.4)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I17907	3495; Montricoto 5, Pi	18.8	-70.3 F		249.2	0.07	A2+G6A	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
PI-141		18.4	-66.4 M			0.07	A2+G6A! (quality: 91.5)	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I8321	MT_3	63	-156 F			0.08	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I14994	514994.Y1.E1.L1	19.8	-71.2 F		352.9	0.06	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
MAWC1492	MAWC1492	46	-98.7 F			0.06	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I13199	513199.Y1.E1.L1	18.4	-69.4 F		378	0.04	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I13207	513207.Y1.E1.L1	18.4	-69.4 F		229	0.04	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
I13201	513201.Y1.E1.L1	18.4	-69.4 F		605.2	0.04	A2+G6A!	A2+	hiseq	A2+	hiseq:A+A+T152C!A+A2+G6A
Ancient038		54.3	-131			0.04	A2ag	A2ag	hiseq	A2ag	hiseq:A+A+T152C!A+A2+rCRS+A2ag
Ancient152		54.3	-130			0.44	A2ag	A2ag	hiseq	A2ag	hiseq:A+A+T152C!A+A2+rCRS+A2ag
PukaraCavern		21.1	-65.3 M			0.04	A2ab	A2ab	hiseq	A2ab	hiseq:A+A+T152C!A+A2+rCRS+A2ab
Ancient160a		54.3	-130			0.02	A2aq	A2aq	hiseq	A2aq	hiseq:A+A+T152C!A+A2+rCRS+A2aq
SN-41	SDM94, 17732	33.3	-120 F		8.537	0.75	A2a+	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2+rCRS
SN-37	SDM94, 17720	33.3	-120 F		12.39	0.75	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2+rCRS
SN-35	SN-40; SDM94, 17732	33.3	-120 F		56.82	0.75	A2a	A2a	hiseq	A2a	hiseq:A+A+T152C!A+A2+rCRS
Ancient443		54.3	-130 M			0.54	A2a1	A2a1	hiseq	A2a1	hiseq:A+A+T152C!A+A2+rCRS+A2a1
CD154	Antisana	15.4	-77.7 F			0.45	A2b1	A2b1	hiseq	A2b1	hiseq:A+A+T152C!A+A2+rCRS+A2b1
PCM001	F2 - ext S2	18.1	-65.8 F		14.7142	0.11	A2h	A2h	hiseq	A2h	hiseq:A+A+T152C!A+A2+rCRS+A2h
PI-435		18.1	-65.8 U			0.1	A2h (quality: 77)	A2h	hiseq	A2h	hiseq:A+A+T152C!A+A2+rCRS+A2h
I13541	513541.E1.L1	18.3	-66.5 F		274.7	0.08	A2h	A2h	hiseq	A2h	hiseq:A+A+T152C!A+A2+rCRS+A2h
I15679	515679.Y1.E1.L1	18.5	-69.7 F		146.2	0.08	A2h	A2h	hiseq	A2h	hiseq:A+A+T152C!A+A2+rCRS+A2h
I15672	515672.Y1.E1.L1	18.5	-69.7 F		120.2	0.08	A2h	A2h	hiseq	A2h	hiseq:A+A+T152C!A+A2+rCRS+A2h

mt-Sin-no.5	HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
A2	A																	
A2	A	16111T 16223T 16290T 16319A 16362C																
A2	A	16111T 16223T 16290T 16319A 16362C																
A2	A	16111T 16223T 16290T 16319A 16362C																
A2	A	146C, 152C!rec																
A2	A	111 223 290 319 362																
A2	A																	
A2	A																	
A2	A

Objects-ID	Colloquial-Skeletal	Lat/lon	Length	Sex	mt-DNA-c.crefs	mt-DNA-haplogroup	mt-DNA-Haplotree	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree
Par7		38.8	-0.28		0.73	H1	H1	tree	
KN350625	NTB3	50.3	7.9 F		0.73	H1	H1	tree	
Sud004	Balintore4	57.8	-3.91 F	--	0.73	H1	H1	tree	
FI4304		20	40.3	8.77 F		4.9	0.73	H1	H1	tree	
FI3776	MCI.228	37.2	8.59 F		201	0.7	H1	H1	tree
Sor001		46.1	11.1			0.7	H1	H1	tree
Moca3		37.2	8.59			0.69	H1	H1	tree
Moca3		37.2	8.59			0.69	H1	H1	tree
Moca4		37.2	8.59			0.69	H1	H1	tree
RA93		126703	47.3	7.66		-0.68	H1	H1	tree
	603		43.9	3.03 F		0.68	H1	H1	tree
Aes3	Aes3		47.5	7.6 F		-0.67	H1	H1	tree
Aes2	Aes2		47.5	7.6 F		-0.67	H1	H1	tree
KI056	Pavlov		54.3	16.6		0.67	H1	H1	tree
I2301			54.8	17.9 M		0.67	H1	H1	tree
Cmo0139			38.1	-1.86		0.66	H1	H1	tree
I6638	Hume 2A, 146187		40.2	-3.76 F	104	0.62	H1	H1	tree
I8823	I10806, 749		41.5	2.14 F		86.4	0.62	H1	H1	tree
CHEP2			49.1	4.5		0.62	H1	H1	tree
Cauc5			38.6	-0.77		0.62	H1	H1	tree
Hume24			40.2	-3.77		0.8	H1	H1	tree
KO1005	KO1005.B0103.TF1.1		50	15.2 F			H1	H1	tree
Hig2			40	-4.2		0.58	H1	H1	tree
Cmo044			38.1	-1.86		0.58	H1	H1	tree
Yeu8			40.4	-3.51		0.58	H1	H1	tree
I3531			48.9	12.5 U		0.58	H1+10410+16193+14	H1	tree
I3593	Grave 6		48.9	12.5 F	232	0.58	H1+10410+16193+14	H1	tree
I3590	Grave 4		48.9	12.5 F	232	0.58	H1+10410+16193+14	H1	tree
SUA005		101	39.9	9.24 F	28.5	0.57	H1	H1	tree
I10611.d	Grave 3		48.3	10.9 F		0.57	H1	H1	tree
I3603			48.9	12.5 U		0.57	H1+10410+16193+14	H1	tree
I8626	RISE693, sample 4L,F		40.4	-3.5 U		0.56	H1	H1	tree
Mok26a		247	45.9	20.4 F		0.53	H1	H1	tree
Cam1			37.7	-1.71		0.52	H1	H1	tree
Tre1			37.7	-1.7		0.52	H1	H1	tree
Bub1			37.8	-0.56		0.5	H1	H1	tree
I6562	GC 2.13E.n158		41.3	1.06 F	191	0.5	H1	H1	tree
I7579			410	52.3	0.39 F	174	0.48	H1	H1
Gam3			41.5	2.08		0.48	H1	H1	tree
Gam2			41.5	2.08		0.48	H1	H1	tree
JK2728	MA82, SC1004 (117)		39.9	9.24 F	216.8	0.47	H1	H1	tree
I8493	S-EVA 26050		40.9	-5.35 F		94.9	0.45	H1	H1
Fora1			40	3.84		0.43	H1	H1	tree
Fora4			40	3.84		0.43	H1	H1	tree
NO21			43.9	12.9		0.36	H1*	H1	tree
NO13			43.9	12.9		0.36	H1*	H1	tree
Ilia-I3091			42	3.07 U		0.35	H1	H1	tree
LIV69			40.8	16.4 M?		0.35	H1	H1	tree
CHI001	Chilpek #8186		42.5	76.4 F	31.516	0.33	H1	H1	tree
MS10068			39.2	8.48		0.32	H1	H1*	tree
T.C. 4 E1-0			42	3.07 U		0.32	H1	H1	tree
CUB12			43.7	4.24		0.32	H1	H1	tree
YE_M27?	-		42.9	92.8	364.592	0.14	U5a1a1	H1*	
Ulm 120-a			49.7	-1.74		0.29	H1	H1	tree
UN79			49.7	-1.74		0.29	H1	H1	tree
GU67			47.9	3.61		0.28	H1	H1	tree
SFL_MC4-2			37	79.9	176.803	0.56	H6a	H1*	
MD0517	AED_513		48.3	11.9 F		0.23	H1	H1	tree
VK213	Denmark_Gardrup-A2		55.7	12.1 F	58.2	0.21	H1	H1	tree
GU87	COU013.AD001		45.1	7.58 F	18.3	0.18	H1	H1	tree
CU83	COU011.AD001		45.1	7.58 F	15.3	0.18	H1	H1	tree
MU10068	MU182517		45.1	7.59		0.18	H1	H1	tree
LCC6.87	MU182518		45.1	7.59		0.18	H1	H1	tree
LCC5.102	MU182525		45.1	7.59		0.18	H1	H1	tree
LCC6.84	MU182518		45.1	7.59		0.18	H1	H1	tree
DAV-44	DAV-44		66	-18.5 F		0.14	H1	H1	tree
Cap.ulc006			44.5	28.1		0.14	H1	H1	tree
VR464	Gotland_Frojel-I21988		57.3	18.2 F	12.2	0.13	H1	H1	tree
Rathau179	KN130173		54.5	9.62 M		0.11	H1	H1	tree
Rathau185	KN130175		54.5	9.62 M		0.11	H1	H1	tree
Rathau171	KN130169		54.5	9.62 M		0.11	H1	H1	tree
Rathau131	KN130151		54.5	9.62 F		0.11	H1	H1	tree
Rathau23	KN130121		54.5	9.62 F		0.11	H1	H1	tree
Rathau193	KN130178		54.5	9.62 M		0.11	H1	H1	tree
Rathau8	KN130117		54.5	9.62 M		0.11	H1	H1	tree
I136	KN150138		54.8	11.5		0.1	H1	H1	tree
I151	KN150164		54.8	11.5		0.1	H1	H1	tree
I124	KN150157		54.8	11.5		0.1	H1	H1	tree
I216	KN150725 PB		55.8	9.72 F		0.1	H1	H1	tree
I117	KN150686 PB		55.8	9.72 M		0.1	H1	H1	tree
I198	KN150686 PB		55.8	9.72 M		0.1	H1	H1	tree
I170	KN150680 PB		55.8	9.72 M		0.1	H1	H1	tree
I129	KN150707 PB		55.8	9.72 F		0.1	H1	H1	tree
I473	KN150673 PB		55.8	9.72 F		0.1	H1	H1	tree
I153	KN150672 PB		55.8	9.72 F		0.1	H1	H1	tree
I175	KN150703 PB		55.8	9.72 M		0.1	H1	H1	tree
I371	KN150700 PB		55.8	9.72 F		0.1	H1	H1	tree
I196	KN150716 PB		55.8	9.72 M		0.1	H1	H1	tree
I408	KN150694 PB		55.8	9.72 M		0.1	H1	H1	tree
I269	KN150705 PB		55.8	9.72 M		0.1	H1	H1	tree
I441	KN150691 PB		55.8	9.72 M		0.1	H1	H1	tree
I400	KN150681 PB		55.8	9.72 M		0.1	H1	H1	tree
I277	KN150714 PB		55.8	9.72 M		0.1	H1	H1	tree
I1281			53.9	10.7 M		0.1	H1	H1	tree
I1415			53.9	10.7 M		0.1	H1	H1	tree
I1404			53.9	10.7 F		0.1	H1	H1	tree
I1403			53.9	10.7 M		0.1	H1	H1	tree
I1526			53.9	10.7 M		0.09	H1	H1	tree
I1730			53.9	10.7 M		0.09	H1	H1	tree
I1780			53.9	10.7 M		0.09	H1	H1	tree
I1391			53.9	10.7 F		0.09	H1	H1	tree
I1410			53.9	10.7 M		0.09	H1	H1	tree
I1499			53.9	10.7 M		0.09	H1	H1	tree
I1557			53.9	10.7 M		0.09	H1	H1	tree
I1602			53.9	10.7 F		0.09	H1	H1	tree
I1615			53.9	10.7 M		0.09	H1	H1	tree
I52	I5 8291		51.5	-0.07		0.08	H1	H1	tree
I8147	Cobertizo Viejo-Cv2-1		37.1	-3.59 U	3.14	0.08	H1	H1	tree
G022	KN130031		55.4	10.4 F		0.07	H1	H1	tree
Greyfriars A2R 1011HV10122			55.3	8.77 M		0.07	H1	H1	tree
Greyfriars A2R 1011HV15103			55.3	8.77 M		0.07	H1	H1	tree
Greyfriars A2R 1011HV15008			55.3	8.77 F		0.07	H1	H1	tree

mt-Sim-hG-hVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX Y-Simple	YTree	Y-Haplotree · Y-Haplotree‡ · Y-FTD YFull	Y-YFu SOGQ2019	FTDNA Y-Haplotree
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T G16319A												
H1	H	263G (yes) 750Nsyat RomaNG												
H1	H	263G 750G 1438G 3010A 15326GPrivate mutations310T 16519CMissing mutations4769G 8860G												
H1	H			HaploGrep2										
H1	H	1024GG 16311C												
H1	H	n.d.												
H1	H	n.d.												
H1	H	n.d.												
H1	H			..										
H1	H	CR5												
H1	H		H1	ReichLab_v44.3										
H1	H		H1	ReichLab_v44.3										
H1	H	263G 750G 1438G 3010A 4769G 8860G 15326G 16519C												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)												
H1	H	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)												
H1	H	Haplofind and Phy-Mer, Phylotree build17												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)												
H1	H	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)												
H1	H	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)												
H1	H													
H1	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T												
H1	H	263G, 315.1C, 524.1A,524.2C,750G		C4137T										
H1	H			A6272G	YFull									
H1	H			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)										
H1	H	263G 750G 1438G 3010A 4769G 5780A 8416Haplogroup, KlossBrandaletteHumMutat2011												
H1	H	263G 750G 1438G 3010A 4668C 4769G 8860G 15326G Haplogroup, KlossBrandaletteHumMutat2011												
H1	H	263G 750G 1438G 3010A 4769G 8860G 15326G Haplogroup, KlossBrandaletteHumMutat2011												
H1	H	263G 315.1C 750G 980C 1438G 3010A 4769G 8860Haplotree H1 and YFull build 17, 18 (Feb 2016)												
H1	H													
H1	H	263G 750G 1438G 3010A 4769G 8860G 15326G 16519C												
H1	H	263G 750G 1438G 3010A 4769G 8860G 15326G Haplogroup, KlossBrandaletteHumMutat2011												
H1	H													
H1	H													
H1	H

Object-ID	Colloquial-Skeletal	Lat	Lon	Age	mtDNA-cons	mtDNA-HaplogroupA	mtDNA-Haplotype	mt-FT-mtree	mt-SNPs	mt-Sin-to-S-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Simple	YTree	Y-Haplotree	Y-Haplotree-T	Y-FTD-YFull	Y-Ytv-SOGQ2019	FTDNA-Y-Haplotree
LF234ant	X1166, MK0595461,1	55.3	8.76	0.08	H5a1	H5a1*	H5a1*16362+16519	H5a1*	H5a1*	MJ	H		A91500	T1b1*FullT												
LD02ind	A2399 x2050, MK0595	55.9	9.86	0.04	H5a1+16093	H5a1+16093*	H5a1+16093*16362+16519	H5a1+16093*	H5a1+16093*	MJ	H		T16093C	Y*FullT												
TU673	Hollola16, MN540500	61	25.5	0.39	H5+113	H5+113	H5+113*16362+16519	H5+113	H5+113	MJ	H	263G 315.1C 477C 750G 1438G 3010A 4769G 8AHPlsyTree mtDNA Build 17, 18 (Feb 2016)														
FI2per264		47.3	21.1	0.18	H5+152	H5+152*	H5+152*16362+16519	H5+152*	H5+152*	MJ	H	263G 477C	47000-8860	263G 477C Y*FullT												
LD63ind	G.315 x822, MK0595461	55.3	8.76	0.36	H5+12a	H5+12a*	H5+12a*16362+16519+16129a	H5+12a*	H5+12a*	MJ	H		G8766A	Y*FullT												
HM2per72		46.5	19.1	0.35	H5+	H5	H5*16362+16519	H5	H5+12a23	MJ	H	263G 477C 8781A 16138C		263G 477C Y*FullT												
BLA10	D4/D128, KFS2403.1	51.4	7.55	0.34	H5+	H5	H5*16362+16519	H5	H5+3	MJ	H	nd		A3570 + T8470	Y*FullT											
BM46	Ballajaulavik8/ra46	52.7	8.71	0.28	H5+3	H5+3	H5+3*16362+16519	H5+3	H5+3	MJ	H	73A, 146T, ; 13215C; 16188T														
VK154	Poland_Bodza B2; Po	52.7	18.9	157.5	0.16	H5+3	H5+3	H5+3	H5+3	MJ	H	257G 263G 477C 750G 1438G 3010A 4769G 8473HHaplogrep, KlosBrandéABtrMunMutat2011														
LJ45ant	G. KU x433, MK0595	56.5	9.38	0.09	H5+3	H5+3*	H5+3*16362+16519	H5+3*	H5+3*	MJ	H		A2676 + T8470	Y*FullT												
I5471	TB 188, Thurston Mee	55.9	2.47	81.6	0.21	H5+3b	H5+3b	H5+3b	H5+3b	MJ	H	H1c3a	HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)													
I61290	RMP4-1290	41.9	12.5	0.21	H5+3b	H5+3b	H5+3b*16362+16519	H5+3b	H5+3b	MJ	H		Haplogrep (v2.1.20)													
V692	Denmark_Lejre Grav	55.6	12.2	102.5	0.37	H5+3b	H5+3b	H5+3b	H5+3b	MJ	H	257G 263G 477C 750G 1438G 3010A 4769G 8473HHaplogrep, KlosBrandéABtrMunMutat2011														
LF227ant	G148, MK0595461	54.8	11.5	0.21	H5+3b	H5+3b	H5+3b*16362+16519	H5+3b	H5+3b*	MJ	H		T16189C + T Y*FullT													
LF221ant	G44, MK0595461	54.8	11.5	0.21	H5+3b	H5+3b	H5+3b*16362+16519	H5+3b	H5+3b*	MJ	H		T16189C + T Y*FullT													
LD93ind	A2697 x2392, MK0595	55.9	9.86	0.04	H5+5	H5+5	H5+5*16362+16519	H5+5	H5+5*	MJ	H		T8206C	Y*FullT												
SLT4121		43.8	10.5	0.06	H5+4b	H5+4b	H5+4b*16362+16519	H5+4b	H5+4b	MJ	H	16355T														
LM7370	WET370	48.1	7.3	76.5	0.16	H5+5a	H5+5a	H5+5a	H5+5a	MJ	H			Haplofind and Phy-Mer, Phylotree build17												
TU465	Luisiard2, MN540476	61.1	22.1	0.14	H5+9	H5+9	H5+9*16362+16519	H5+9	H5+9	MJ	H	33N 102N 103N 104N 105N 106N 107N 108N 109N 110N 111N 112N 113N 114N 115N 116N mtDNA Build 17, 18 (Feb 2016)														
TU562	Helsinki2,MN540562.1	61.2	29.7	0.1	H5+9	H5+9	H5+9*16362+16519	H5+9	H5+9	MJ	H	1A 2N 3N 4N 5N 6N 7N 8N 9N 10N 11N 12N 13N PhyloTree mtDNA Build 17, 18 (Feb 2016)														
LF123ant	G221, MK0595461.1	55.3	8.76	0.36	H5+9a	H5+9a	H5+9a*16362+16519	H5+9a	H5+9a*	MJ	H		A9377G	Y*FullT												
Pel-24		37.6	13.8	96.42	0.43	H5+16129	H5+16129	H5+16129	H5+16129	MJ	H	Phylotree Build 17														
LE14ant	B291, MK0595461	51.5	-0.07	94	0.1	H5+16239	H5+16239*	H5+16239*	H5+16239*	MJ	H		C14239T	Y*FullT												
NLHMA255	MG182532	46.6	17.7	0.77	H5+16h	H5+16h	H5+16h*16362+16519	H5+16h	H5+16h	MJ	H		C16189T	Y*FullT												
Pel-15		37.6	13.8	90.48	0.43	H5+16278	H5+16278T	H5+16278T	H5+16278T	MJ	H	Phylotree Build 17														
SC7334	KB9831, KX973260.1	48.2	27.3	258	H5b	H5b	H5b*16362+16519	H5ae1	H5b	MJ	H	146T, 228A, 263G, 456T, 497T, 750G,5647A	T5G													
LF229ant	G124, MK0595461	48.3	10.9	0.67	H5	H5*	H5*16362+16519	H5a*	H5a*	MJ	H	10410C 16519T	G3010A	Y*FullT												
CAN.043	AEH060, MK139584.1	28.5	16.5	0.26	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.035	AEH130, MK139584.1	28.7	17.0	0.26	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.002	AEH004, MK139579.1	27.7	-18	0.23	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.003	AEH003, MK139580.1	27.7	-18	0.23	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.042	AEH008, MK139577.1	28.5	-16.5	0.16	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.045	AEH007, MK139582.1	28.5	-16.5	0.13	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.001	AEH001, MK139578.1	27.7	-18	0.23	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
CAN.004	AEH060, MK139581.1	27.7	-18	0.23	H5d*	H5d*	H5d*16362+16519	H5d*	H5d*	MJ	H		C3260T	Y*FullT												
I3136	CRC_II_21.3	56.4	-5.48	53.2	0.19	H5+16189	H5+16189	H5+16189	H5+16189	MJ	H			Y*FullT												
I2980	GENSCOT78	59.3	-2.94	1500	0.72	H1	H1*	H5*	H5+6a	MJ	H		T14470C	Y*FullT												
I2357	PUL012a	47.5	20.5	194	0.36	H5a	H5a	H5a	H5a+16093a	MJ	H			Y*FullT												
I4862	FI52	37.7	12.9	106	0.39	H5+16189	H1a*	H5a*	H5a*	MJ	H	3107d, 5460A, 12938G		Y*FullT												
SAZ 21	SAZ21b_3035.4C50	51.5	11.9	0.88	H5a2	H5a2	H5a2*16362+16519	H5a2	H5a2	MJ	H	A1612G T1G73A C146T C152T C195G5460A		Y*FullT												
I3799	SD799	51.5	11.8	0.88	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H			Y*FullT												
I3214	B294, 9400kA, KC5340	51.8	10.9	0.45	H5a6	H5a6	H5a6*16362+16519	H5a6	H5a6	MJ	H	A1612G T1G73A C146T C152T C195G5460A		Y*FullT												
I2058	SD812	51.8	10.9	0.62	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H			Y*FullT												
I4930	F2-4-US8-5	37.7	13.7	8.93	0.15	H5a	H5a	H5a	H5a+16362	MJ	H			Y*FullT												
POST_38	MF488698	48.3	10.9	0.68	H5a	H5a*	H5a*16362+16519	H5a*	H5a*	MJ	H	16189C	G5460A	Y*FullT												
AITI_028		48.2	10.8	0.68	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H			Haplofind ATI												
AITI_029A		48.2	10.8	0.55	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H															
GoMG4		39.6	16	34.4656	0.53	H5a	H5a	H5a	H5a	MJ	H	263G; 1438G; 3010A; 4769G; 5460A; 6779G; 8860G; 15326G; 16127C; 16224C; 16519C														
Kolsar10		43.7	43.5	0.38	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H															
I8204	12-SU-33-AM-600	42.1	3.11	0.32	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H			HaploGrep2												
I8709	AKA2270, Lintorci557	52.1	0.28	0.32	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H															
LnsZ44	MG182469	46.8	17.8	0.62	H5a1	H5a1	H5a1*16362+16519	H5a1	H5a1	MJ	H															
BM37		38.3	27	0.1	H5a	H5a	H5a*16362+16519	H5a	H5a*	MJ	H	C276, T463, C1202, A1230, T1550, T1586,T1591,C1640, C1640, C1664, C1664,T1686, G1714, C1740, T1774, T1804,A1836, T2084, T2234, T2262, T2364,T2534, A2570, C2610, A2630, T2650,C2734, A297C, A800C, C3090CCT, T3100C,A3150, A448C, T4557T, A4700, C5277,A6470, G7084, A7500, T7890, A839C,T8292, G8347, A8460, A7160074, A16011T,T16015G, T16027TA, T16028G, C16056G,C16070G, T16094G, C16099G, C16107G,T16133A, C16151G, T16154G, C16184A,T16462G, C16549G, A16554G	
LRV 101	F132	40.8	16.3	0.36	H5i	H5i	H5i*16362+16519	H5i	H5i	MJ	H															
MNK 1.2		48.2	26.8	0.1	H5i1a1	H5i1a1	H5i1a1*16362+16519	H5i1a1	H5i1a1	MJ	H	082 142 266 278														
ROUG2E	ROUG2E100_AMS_2	43.2	3.06	0.81	H5+152	H5+152C1	H5+152C1*16362+16519	H5+152C1	H5+6	MJ	H															
I1392	13-Gravel4	47.6	7.52	0.73	H5+152	H5+152C1	H5+152C1*16362+16519	H5+152C1	H5+6	MJ	H			HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)												
AITI_35		48.2	10.8	0.63	H5+152	H5+152C1	H5+152C1*16362+16519	H5+152C1	H5+6	MJ	H															
AITI_34		48.2	10.8	0.62	H5+152	H5+152C1	H5+152C1*16362+16519	H5+152C1	H5+6	MJ	H															
I8165	S8565.E1.L1	32.1	35.8	34	0.53	H5+152	H5+152C1	H5+152C1	H5+6	MJ	H															
MS10616		38.9	1.43	0.33	H5+152	H5+152C1	H5+152C1*16362+16519	H5+152C1	H5+6	MJ	H	152C 263G 310.1C 1620TG 1651fC 16526A		Haplogrep; Phylotree build 17												
VK118	Norway_Trondheim_	63.4	10.4	207.7	0.25	H5+16b	H5+16b	H5+16b	H5+16b	MJ	H	152C 263G 750G 1438G 3010A 4769G 8260G 13BHaplogrep, KlosBrandéABtrMunMutat2011														
CL1102	CD0237.AD020	45.1	7.58	8.19	0.22	H5+152	H5+152C1	H5+152C1	H5+6	MJ	H			Haplofind												
VK78	Greenland late-0960	64.3	-50.1	22.9	0.14	H5i2	H5i2	H5i2	H5i2	MJ	H	152C 263G 750G 1438G 3010A 4769G 6237A 8860Haplogrep, KlosBrandéABtrMunMutat2011														
pre0002	Primorye_pre002	54.2	8.56	7	0.56	H5+16189	H5+16189	H5+16189	H5+16189	MJ	H	263G 750G 1438G 3010A 4769G 15326G 16189CPrivate mutation10277 16519CMissing mutations8860G														
I5059	B2H6, B2H6_9413, KC	51.8	10.9	0.7	H5	H5+16189CR*	H5+16189CR*	H5+16189CR*	H5+16189CR*	MJ	H	A16129G T16187C T16223C G16230A T16278C	T16189C	Y*FullT												
I3774	PP G	36.9	14.6	0.65	H5+16189!	H5+16189!	H5+16189!16362+16519	H5+16189!	H5+16189!	MJ	H	152T; 3107d; 5460A; 5512G														
SAU001	Salapia	41.3	15.6	M	H5+16189!	H5+16189!	H5+16189!16362+16519	H5+16189!	H5+6	MJ	H			Haplofind												
PCA0099	SHM82649	50.7	23.9	0.29	H5+T16189C	H5+T16189C	H5+T16189C16362+16519	H5+T16189C	H5+6	MJ	H		A4767G													
DA237	DA237, Levakivitaha12,	62.9	22.4	0.23	H5+16189!	H5+16189!	H5+16189!16362+16519	H5+16189!	H5+6	MJ	H	152C 263G 310C 750G 1438G 3010HG		HaploGrep												
TU472	Luistari4, MN540476	61.1	22.1	0.14	H5+16189	H5+16189	H5+16189!16362+16519	H5+16189	H5+6	MJ	H	263G 315.1C 750G 1438G 3010A 3439A 3850G 4769G 8860G 15326G 16189C		Haplofind and Phy-Mer, Phylotree build 17 (Feb 2016)												
JK2290	Pälkane4, MN540536.	61.3	24.3	0.08	H5+16189!	H5+16189!	H5+16189!16362+16519	H5+16189!	H5+6	MJ	H	263G 302.1T 310N 311N 315.1CC 750G 1438G 3010HPhylotree build 17, 18 (Feb 2016)														
EL96014		49	12.1	7	H5+16189!	H5+16189!	H5+16189!16362+16519	H5+16189!	H5+6	MJ	H															
Radom34	305/66	51.4	21.2	0.62	H5e1	H5e1	H5e1*16362+16519	H5e1	H5e1	MJ	H															
LM7Bent	150/45, MN595732.1	51.5	10.8	0.14	H5e6	H5e6	H5e6*16362+16519	H5e6	H5e6	MJ	H		G15047A	Y*FullT												
pos634		51.2	21.2	66	H5h	H5h	H5h*16362+16519	H5h	H5h	MJ	H	16355T														
I2831		54.8	17.9	76.5	0.16	H5h	H5h	H5h	H5h	MJ	H			Haplofind and Phy-Mer, Phylotree build17												
PUN68		692	54.3	10.6	0.85	H5h	H5h	H5h	H5h	MJ	H	33N 102N 103N 104N 105N 106N 107N 108N 109N 110N 111N 112N 113N 114N 115N 116N mtDNA Build 17, 18 (Feb 2016)														
KO2020	KO1020.AD20.TF1.1	50	15.2	0.1	H5+9	H5+9	H5+9*16362+16519	H5+9	H5+9	MJ	H	1A 2N 3N 4N 5N 6N 7N 8N 9N 10N 11N PhyloTree mtDNA Build 17, 18 (Feb 2016)														
MI8024	MI8024.AD101.TF1.1	50	15.8	0	H5+9	H5+9	H5+9*16362+16519	H5+9	H5+9	MJ	H		A9377G	Y*FullT												
LE301		36.2	37.7	258	H5b	H5b	H5b*16362+16519	H5b	H5b	MJ	H	Phylotree Build 17														
DM06	Derrynamanagh06	53.3	-8.55	0.27	H5b	H5b	H5b*16362+16519	H5b	H5b	MJ	H		C14239T	Y*FullT												
TU622	Luistari10, MN540480	61.1	22.1	0.2	H5b	H5b	H5b*16362+16519	H5b	H5b	MJ	H		C16189T	Y*FullT												
JBper207		48.1	21.7	0.17	H5b	H5b*	H5b*16362+16519	H5b*	H5b*	MJ	H	263G 750G 1438 499A 1811C 14A 263G 378G														
MI125		45.8	25.6	0.14	H5b1b	H5b1b	H5b1b*16362+16519	H5b1b	H5b1b	MJ	H	16189C 16362G	7028C	HaploGrep2 based on PhyloTree-17 (accessed 22.06.2020)												
LF223ant	G124, MK0595461	54.8	11.5	0.18	H5b	H5b	H5b*16362+16519	H5b	H5b*	MJ	H		T16356C	Y*FullT												
EL96011		49	10.1	7	H5b	H5b	H5b*16362+16519	H5b	H5b	MJ	H															
Kivutkana42		56.9	24.3	0.52	H5b1	H5b1	H5b1*16362+16519	H5b1	H5b1	MJ	H															
Karas2172		48.3	21.7	0.2	H5b1	H5b1	H5b1*16362+16519	H5b1	H5b1	MJ	H															
Tut1		39.2	-0.29	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16223C G16230A T16278C T16311T T16356C T16362C														
CdP4		38.4	-7.53	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16223C G16230A T16278C T16311T T16356C T16362C														
PerdS		38.4	-7.53	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16223C G16230A T16278C T16311T T16356C T16362C														
PerdN		38.4	-7.53	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16223C G16230A T16278C T16311T T16356C T16362C														
PerdT		38.4	-7.53	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16189T T16223C G16230A T16278C T16311T T16356C T16362C														
PerdR		38.4	-7.53	1	H5b1a'c'd'e	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	A16129G T16187C T16223C G16230A T16278C T16311T T16356C T16362C														
I5836	FM 14-003	49.7	8.33 F	136.8	0.42	H5b1+16362	H5b1-T16362C	H5b1-a	H5b1-T16362C	MJ	H			HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)												
HAR14.138		46.7	19.7	6.19	H5b1+16362	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-T16362C	MJ	H	16189C 16356C 16362C														
VK477	Gotland_Kopparsvik-j	57.6	18.3 F	126.6	0.18	H5b1+16362	H5b1-T16362C	H5b1-a	H5b1-T16362C	MJ	H	263G 750G 1438G 3010A 3796G 4769G 8860G 15 HaplogrepPhylotree mtDNA build 17 (accessed 18 February 2016)														
LF237ant	e179 A179, MK0595	55.8	9.93	0.12	H5b1+16362	H5b1-T16362C	H5b1a'c'd'e*16362+16519+T16362C	H5b1a-a	H5b1-a*	MJ	H		T8382C	Y*FullT												
EL96005		49	10.1 F			H5b1	H5b1*16362+16519+T16362C	H5b1-a	H5b1	MJ	H															
KV38382.1		48.6	25.9	1	H5b	H5b	H5b*16362+16519+T16362C+T16189C	H5b1-a	H5b	MJ	H	T16189C, T16356C	A93G	Y*FullT												
LM45ant	114B, MK595707.1	51.5	-0.08 F	0.09	H5b1+16362	H5b1-T16362C*	H5b1-T16362C*	H5b1-a2	H5b1-T16362C*	MJ	H		C8366A	Y*FullT												
Kivutkana207		56.9	24.3 F	0.52	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H															
Sukhoy1	Souhu Log86	57.1	51.5 F	0.25	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H	150T 263G 750G 1438G 3010A 4137T 4769G 8251A 8860G 113E-														
Sukhoy2	Souhu Log131	57.1	51.5 M	0.25	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H	150T 263G 750G 1438G 3010A 4137T 4769G 8251A 8860G 113E-		-												
Karas1/2		48.3	21.7 M	0.21	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H															
Nyi-D4265-obj.5338		47.9	21.7 M	0.2	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H	160BDG 161BDT 16356C														
Hcong8	HC8	47.9	21.7	0.2	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H	263G 750G 1438G 3010A 4769G 8251A 8860G 15326G 16080G N/A														
TU570	Hinitalo8, MN540581.1	61.2	29.7	0.12	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H	263G 310C 750G 1438G 3010A 4769G 8251A 886 PhyloTree mtDNA Build 17, 18 (Feb 2016)														
G165	KH150919	55.4	10.4 M0	0.11	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H															
LD24ant	A19 x21, MK0595461	55.2	10.5	0.14	H5b2	H5b2	H5b2*16362+16519	H5b2	H5b2	MJ	H		T1115Z	Y*FullT												
VU008	VU008.merged	50.4	14.4 F			H5b3	H5b3	H5b3	H5b3	MJ	H															
202		38.4	31.8	0.21	H5b3	H5b3	H5b3*16362+16519	H5b3	H5b3	MJ	H	16356C, 16075C														
G118	KH150913	55.4	10.4 F	0.16	H5b5	H5b5	H5b5*16362+16519	H5b5	H5b5	MJ	H															
I8939	S8565.C0728	56.4	-5.47 F	467.7	H5c	H5c*	H5c*16362+16519	H5c	H5c*	MJ	H															
AE 1175		48.3	13.9 F	0.26	H5f	H5f	H5f*16362+16519	H5f	H5f	MJ	H															
Ice060	MT164	58.2	13.6 M	36.4603	0.78	H5+16093	H5+16093 (T-7722)	H5+16093	H5+16093	MJ	H	T16189C, T16356C		Haplogrep 2.0												
TU667	Hollola12, MN540496	61	25.5	0.16	H5i	H5i	H5i*16362+16519	H5i	H5i	MJ	H	263G 310C 750G 1438G 3010A 4452C 4769G 730 PhyloTree mtDNA Build 17, 18 (Feb 2016)														
TU644	Tuukkala4,MN540458	61.7	28.6	0.15	H5i1	H5i1	H5i1*16362+16519	H5i1	H5i1	MJ	H	263G 315.1C 750G 1438G 3010A 4452C 4769G 73PhyloTree mtDNA Build 17, 18 (Feb 2016)														
karl	karl	58.4	26.7 F	2481	0.1	H5i1a	H5i1a	H5i1a	H5i1a	MJ	H			HaploFind; PhyloTree mtDNA Build 17, 18 (Feb 2016)												
PCA0215	185; sib. 459	52.6	16.8 M	0.1	H5i1a	H5i1a	H5i1a*16362+16519	H5i1a	H5i1a	MJ	H															
I0773	OAKG2W12_G89S_O	52.3	0.06 F	0.1	H5g1	H5g1	H5g1*16362+16519	H5g1	H5g1	MJ	H															
VK392	Norway_Telemark 19c	59.6	7.92 F	103.8	0.16	H5g1	H5g1	H5g1	H5g1	MJ	H	263G 750G 1438G 3010A 4769G 8602C 8860G 14;Haplogrep, KlosBrandéABtrMunMutat2011														
A3705		65.1	12.9 F	0.18	H5k/H4b	H5k/H4b	H5k/H4b*16519	H5k/H4b	H5k/H4b	MJ	H	16188T 16189C 16223T 16290T 16319A 16356C 16362C														
SK24		37.6	41.4 U	0.16	H5u1	H5u1	H5u1*16362+16519	H5u1	H5u1	MJ	H															
SLT322		43.8	10.5	0.15	H5v1	H5v1	H5v1*16362+16519	H5v1	H5v1	MJ	H	16189C 16311C														
RA89.Furtwangler	Mutterer5, SNPRA59	47.3	7.88	7.69	H5+16311	H5+T16311C!	H5+T16311C!16362+16519	H5+T16311C!	H5+6	MJ	H			HaploGrep2												
I7689	MC-3-Sep-14-960	39.7	-8.13 F	11.1	0.67	H5+16311	H5+T16311C!	H5+T16311C!	H5+6	MJ	H															
AUN0005	MN687298	43	12.9 F	0.42	H	H	H*16362+16519	H5+T16311C!	H5+6	MJ	H	263G 315.1C 750G 1438G 4769G 7G 8270A + TYYFullT														
SG8003	San Giovanni8toondo	45.7	15.7 F			H5+16311!	H5+T16311C!	H5+T16311C!	H5+6	MJ	H															
LD68ind	G.BH x265, MN595461	55.3	8.76	0.09	H5+16311	H5+16311	H5+16311!16362+16519	H5+16311!	H5+6	MJ	H		T16311C!	Y*FullT												
I2850	20850 MK368705	37.7	32.8 F			H	H	H5+T16311C*	H5+6*	MJ	H			Y*FullT												
MHper50		47	21.6	0.15	H	H	H*16362+16519	H5+T16311C*	H5+6a1	MJ	H	263G 750G 204C 678G 16243C 163 204C 263G 750		Y*FullT												
MHper51		47	21.6	0.15	H	H	H*16362+16519	H5+T16311C*	H5+6a1	MJ	H	263G 750G 204C 678G 8860G	204C 263G	Y*FullT												
I1633	KA1/14	40.7	45.1 F	429.8	0.15	H5a*	H5a*	H5a*	H5a*	MJ	H			Y*FullT												
K40	RMP4-49	41.8	12.5 F	0.38	H5a	H5a	H5a*16362+16519	H5a	H5a	MJ	H	A16129G T1G73A C146T C152T C195T4973G		Haplogrep (v2.1.20)												
HMSper50		46.5	19.1	0.48	H5a2	H5a2a	H5a2a*16362+16519	H5a2a	H5a2a	MJ	H															
JBper139		48.1	21.7	0.49	H5a2	H5a2a	H5a2a*16362+16519	H5a2a	H5a2a	MJ	H	263G 750G 1532C 16261G	152C 263G	Y*FullT												
JBper212		48.1	21.7	0.15	H5a5	H5a5*	H5a5*16362+16519	H5a5*	H5a5*	MJ	H		152C 263G	Y*FullT												
JK1927	Reinikä1, MN540544.1	60.9	24.3	0.05	H5b	H5b	H5b*16362+16519	H5b	H5b	MJ	H	150T52G	G316A	Y*FullT												
VFBper362		46.7	17.3	0.17	H5b1	H5b1	H5b1*16362+16519	H5b1	H5b1	MJ	H		C3260A + T16356C	Y*FullT												
VK124	Norway_Trondheim_	63.4	10.4 F	25.3	0.12	H5b

Object-ID	Colloquial-Skeletal	Lat/Lon	Length	Sex	mtDNA-cons	mtDNA-haplogroup	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no	mt-SNVs-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree-Y-Haplotree-Y-FTD-YFull	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree
DA54	KU39	49.1	75.2 F	...	0.35	H101	H101	H101	H101	H														
SC4101	SJLA9377304.1	45	34.1 F		0.29	H	H101*	H101*	H101*	H														
NLA387_M66-cD		43.5	83.3		475.097	0.31	H101	H101*	H101*	H	152C, 263G, 750G, 1438G, 4769G,		152C&1438T + T5Y!full											
KK04_M35	BA172038	41.2	81.8		279.852	0.31	J1b1a3	H101*	H101*	H														
MPepe46		47	21.6			0.12	H102	H102*	H102*	H	263G 750G 4883T 7268 8860G 1809			263G 750G 1709!full										
SI407	LEPI_L26	44.6	22.9 F		118	0.11	H13	H13*	H13*	H														
Rathsua200	KH130181	54.5	9.62 M			0.11	H13	H13	H13	H														
SZ09	SZO027.AD201	46.3	17.9 F		2.41	0.28	H13a	H13a	H13a	H	16129a 16184t 16302g			Haplofind										
CP57		46.1	17.5 M				H13a	H13a	H13a	H	16234T 7028C													
CP58		46.1	17.5 F				H13a	H13a	H13a	H	16234T 7028C													
PMD20	PMD20.merged	50.2	14.5 F				H13a1	H13a1	H13a1	H														
Menlach24H		55.1	25.8		0.79		H13a1a	H13a1a	H13a1a	H	CR5-													
VK261	Sweden_Karda 17	57.2	13.9 F		73.5	0.2	H13a1a	H13a1a	H13a1a	H	263G 750G 1438G 2259T 4745G 4769G 8860G			Haplogrep, KlossBrandaletterHum Mutat2011										
DTTM_151Ind1	DTTM_151Ind1	48.2	10.8 F		0.73		H13a1a1	H13a1a1	H13a1a1	H		KoppanPNAS2018												
JB203	D2-SU-33-AA-T5108	42.1	3.11 F		0.43		H13a1a1	H13a1a1	H13a1a1	H		Haplogrep2												
VK332	Denmark_Rantzausen	55.1	10.5 F		61.1		H13a1a1a	H13a1a1a	H13a1a1a	H	263G 750G 1438G 2259T 4745G 4769G 7337A 8860g													
LM40ext	19618, MK093703.1	51.5	0.08 M		0.47		H13a1a1a*	H13a1a1a*	H13a1a1a*	H			C2557T	Yfull										
VK472	Gotland_Kopparvik	57.6	18.7 F		42.3	0.09	H13a1a1b	H13a1a1b	H13a1a1b	H	263G 750G 1438G 2259T 4745G 4769G 7337A 8860g			KlossBrandaletterHum Mutat2011										
pool58	pool58.SG	50.4	20.8 M		0.65		H13a1a1b1	H13a1a1b1	H13a1a1b1	H	A2630, T310C, G709A, A750G, A1438G, C2259T, C3106A, A4745G, A4769G, A5705G, G7337A, G7754A, A8860G, T13326C, C13680T, C14872T, A15326G, C16291T													
JK1946	Porsoeld, MN540542	60.4	25.7		0.09		H13a1a1d	H13a1a1d	H13a1a1d	H	263G 309d 315.1C 709A 750G 1438G 2259T 4745 PhyloTree mtDNA Build 17, 18 (Feb 2016)													
IB112	QUEX98	51.8	11.1 F		0.84		H13a1a1e	H13a1a1e	H13a1a1e	H														
QUEX93 3	QUEX93_4330C_KC55	51.8	11.1		0.83		H13a1a2*	H13a1a2*	H13a1a2*	H	A16129G T1172A C14487T C15272T C17743T		C15245G	Yfull										
pool56	pool56	50.6	23.6 M		0.82		H13a1a2	H13a1a2	H13a1a2	H	A2630, A750G, A1438G, C2259T, A4745G, A4769G, A8860G, G9025A, A13542G, C13680T, C14872T, A15326G, C16294T													
arm10	Arm_G1	40.7	43.8		0.49		H13a2	H13a2	H13a2	H			A15542G	Yfull										
LM2723	MG18240	46.8	17.8		0.27		H13a2a	H13a2a	H13a2a	H														
LH5218	MG182469	46.8	17.8		0.27		H13a2a1	H13a2a1	H13a2a1	H														
Vdv4449.568B		46.7	17.3 M		0.27		H13a2a1	H13a2a1	H13a2a1	H	16183C 16189C 16278T 16311C 16357C													
Radonit01	298/66	51.4	21.2 M		0.34		H13a2a1a	H13a2a1a	H13a2a1a	H														
Cap-M35	MF597771.1	44.5	28.1		0.41		H13a2a1a1	H13a2a1a1	H13a2a1a1	H	CR5 263G 750G 1438G 4429T			Yfull										
LH5230	MG182481	46.8	17.8		0.57		H13a2a1a4	H13a2a1a4	H13a2a1a4	H														
LM39ext	21349, MK093702.1	51.5	0.08 U		0.2		H13a2a1d	H13a2a1d	H13a2a1d	H			A8381G	Yfull										
LF178ext	X1466, MK095918.1	55.3	8.76		0.54		H13a2a1d	H13a2a1d	H13a2a1d	H			C1624T	Yfull										
IT717	Grave 12, single burial	34.8	72.4 F		30.7		H13a2a1e	H13a2a1e	H13a2a1e	H														
ZVT_M01-C		43.5	83.3		416.314	0.49	H14	H14*	H14*	H	263G 709A 1438G 1439C 4769G													
POP000	PolyulepeBarlaN2	39.5	48.7 F		8.08		H15a2b	H15a2b	H15a2b	H	263G 709A 310C 310C 3156insC													
ALA094	45.45, Locus 6, AT BBC	36.2	36.4 F		0.69		H15a2b2	H15a2b2	H15a2b2	H	263G 709A 310T 310C 3156insC													
PUZ07		47.3	21.1		0.18		H15a2b2	H15a2b2	H15a2b2	H	263G 709A 310T 310C 3156A 3254A 4214 15017 2636													
PUZ ext214		47.3	21.1		0.18		H15a2b2	H15a2b2	H15a2b2	H	263G 709A 310T 13203G		15071 2636	Yfull										
I11932_I11932_I11932_I11932_I11932_I11932_I11932_I11932		46.3	27.4 F		0.48		H15a2b2a	H15a2b2a or W3a	H15a2b2a	H														
WEHR_1415adult	WEHR_1415adult, MF	48.3	10.8 F		0.3		H15a2b2a	H15a2b2a*	H15a2b2a*	H	72C		T15719G	Yfull										
MPepe600		46.7	17.3		0.3		H15a2b2a	H15a2b2a	H15a2b2a	H	263G 709A 750G 1438G 8860G		263G 709A	Yfull										
PEpar74		47.3	21.1		0.52		H15a2b2a	H15a2b2a	H15a2b2a	H	263G 709A 2226 1A 11470G 13557C		263G 709A	Yfull										
LF186ext	x1460 A1460, MK095	55.9	9.84		0.58		H15a2b2a1	H15a2b2a1	H15a2b2a1	H			T5371G	Yfull										
POST_1412	MF488673.1	48.3	10.9 M?		0.15		H15a2b2a*	H15a2b2a*	H15a2b2a*	H				Yfull										
pool414		49.9	20.7			25	H15a2b5	H15a2b5	H15a2b5	H	A2630, T310C, G709A, A750G, A1438G, C2259T, C3106A, A4769G, A8860G, T13762G, C14872T, A15326G, C16278T													
MJ-09		9	47.4	34.3 F	0.78		H15a2c	H15a2c	H15a2c	H														
FRV134.6358		46.3	20.7		0.21		H15a3	H15a3	H15a3	H	16319A													
TUH 448		41.5	24		0.58		H15a3c1	H15a3c1	H15a3c1	H	148 256													
VFRber195		46.7	17.3		0.58		H15a3c1	H15a3c1*	H15a3c1*	H	189G 263G 1393 249G 4577T 11961 189G 1393 249full													
BEpar249		48.1	21.7		0.52		H15a3c1*	H15a3c1*	H15a3c1*	H	189G 263G 1393 4577T 15412C 163 189G 1393 249full													
JK2862	1673 29.9	51.2	0.08		0.48		H15b1*	H15b1*	H15b1*	H	16294T			Yfull										
Mar11		54.5	40.9		0.76		H14a	H14a	H14a	H	16256T, 16297C													
VLN022	LA 505, SH2011-3-SH4	54.3	10.8		0.75		H14a1	H14a1	H14a1	H														
ETA5023	TM.B2.G.438	35.8	36.8 F		0.68		H14a1	H14a1	H14a1	H	263G 750G 310C 310C 310T 3012G 7403G 8075A 12381G 16519C 16569C													
AB252		49	0.65		0.67		H14a1	H14a1	H14a1	H	16256T													
KI124	Gonur 2003 tomb 18E	38.2	62 F		115	0.69	H14a1	H14a1	H14a1	H														
B75	RMPR-75	41.9	12.5 F			0.4	H14a2	H14a2	H14a2	H				Haplogrep (v2.1.20)										
Smpar32		47.2	21.2			0.18	H14a4	H14a4	H14a4	H	263G 750G 7196T		263G 750G	Yfull										
LG13ext	10060, MK093667.1	51.5	0.40 U			0.08	H14a4*	H14a4*	H14a4*	H			C16256T + T5197G											
SA1998 L454		37.7	30.5			0.78	H14a1	H14a1	H14a1	H	16256-16351 46-263													
ZVT_M01-B	BA190048	43.5	83.3		470.87	0.48	H16	H16*	H16*	H				Yfull										
arm40	Godeberior UF14, tomt 39	46.9				0.72	H16a2	H16b	H16b	H			T152C! + T31 Yfull											
TuKhV15		34.8	-2.45			0.3	H1-R61	H1-R61	H1-R61	H	16129C													
IN37		43.8	10.5			0.3	H1-R61	H1-R61	H1-R61	H	16129C													
HAR24.648		46.7	19 F		0.46		H1-R61	H1-R61	H1-R61	H	16129C 16261T													
LI302		38.2	67.2 F		313		H1-R62	H1-R62	H1-R62	H														
LB023		38.2	67.2 F		120		H1-R62a	H1-R62a	H1-R62a	H														
Rathsua109	KH130145	54.5	9.62 M			0.11	H15	H15	H15	H														
LRV 156	F247	45.8	16.3			0.28	H15a	H15a	H15a	H														
pool286	MH176351.1	50	20.3 F			0.72	H15a1	H15a1*	H15a1*	H	A2630, A750G, C3107, T6253C, C4E		C4949T	Yfull										
LNT480_1334		48.3	10.9			0.73	H15a1	H15a1*	H15a1*	H														
LM61ext	27177, MK093717.1	51.5	0.08 F			0.08	H15a1	H15a1*	H15a1*	H			C1495T	Yfull										
arm15	Nerqin Gatashen #1	40.2	45.1			0.7	H15a1a1	H15a1a1	H15a1a1	H			C1636T	Yfull										
arm18	Nerqin Gatashen #8	40.2	45.3			0.7	H15a1a1	H15a1a1	H15a1a1	H			C1636T	Yfull										
NLX387_M23		43.5	83.3		530.206	0.53	H15b	H15b*	H15b*	H														
LF212ext	G 571, MK095929.1	55.9	9.82			0.13	H15b	H15b*	H15b*	H			T3847C	Yfull										
EE41	Yamna 5	48.2	37.1 F		39.2		H15b1	H15b1	H15b1	H														
QEG_M122-4-1	-	43.6	93		386.546	0.09	R-U5189	H15b1*	H15b1*	H														
QEG_M827R4-14	-	43.6	93		386.694	0.08	U2e1b	H15b1	H15b1	H														
M819	M819	43.6	93.2 F			0.3	H15b1	H15b1	H15b1	H			Mtrofind (phylotree build 16)											
WTL_M38		43.8	82.6		240.127	0.3	C5a	H15b1*	H15b1*	H														
I11922_I11923_I11924_I11925_I11926_I11927_I11928_I11929		46.5	28.8 F		331.147	0.3	H15b1	H15b1	H15b1	H														
Fanos2727		48.3	21.7 F			0.56	H15b1	H15b1	H15b1	H														
pool69		50	20.3		109		H16	H16	H16	H	T152C, A263G, T310C, A750G, A1438G, A4769G, A8860G, C10594T, A15326G, T16519C													
LM75ext	14865, MK093729.1	51.5	0.08 U			0.2	H16b	H16b*	H16b*	H			C9129T	Yfull										
LF141ext	EM, MK093493.1	55.4	8.41			0.18	H16b	H16b*	H16b*	H			C9129T	Yfull										
LM17ext	14493, MK093661.1	51.5	0.08 F			0.19	H16b1	H16b1	H16b1	H			C9129T	Yfull										
D5H-1	D5H1-43608, KC5539	51.7	11.5				H16a'c	H16a'c-T152C!	H16a'c*	H	A16129G T1172A C14487 C19574 A14751C!													
EE162	EE162	51.7	11.5				H16a'c4	H16a'c4-T152C!	H16a'c4	H														
PEpar95		47.3	21.1			0.52	H16a1	H16a1*	H16a1*	H														
LRV 103	F137A	40.8	16.3			0.59	H16a1	H16a1	H16a1	H	152C 263G 10240C 16192T		152C 263G	Yfull										
EE118	PR115, PR115	37.4	23.1 F			0.81	H2	H2	H2	H														
EE52	Caldern	51.4	9.4			0.71	H2	H2	H2	H														
KI090	Calden	51.4	9.4			0.71	H2	H2	H2	H														
KI164	Odagaun	51.8	9.87			0.71	H2	H2	H2	H														
I8525	MO5320, Geokyuz 1,	37.2	61.1			7.25	H2a	H2	H2	H			n/a (aes undetermined (-C7030B)-P147>P177>M215>M35>V68>M78>P217!!p-219!!p		3802									
I1AV45		40.8	16.4			0.34	H2	H2	H2	H														
I8994	Szane 1, Individual 1	34.8	72.4 M			3.93	H2a2	H2a2	H2a2	H			n/a	n/a	n/a		129							
SK42		37.8	41.4 M			0.31	H2	H2	H2	H														
MS17M	2V2D263/1	51.1	0.4			0.27	H2	H2	H2	H	CR5 (no polymorphism)													
I4V43	F246	40.8	16.3			0.24	H2	H2	H2	H														
MS17MT	2V2D214/2	21.6	11.1 M			0.29	H2	H2	H2	H	CR5 (no polymorphism)													
I3208	Popov_6B__hern. 5/G	44	131 M			0.18	H2	H2	H2	H			n/a (+50000 SNPs)											
MPaper6		47	21.6			0.18	H2a	H2a	H2a	H	HaploGrep 2.0 with Phylotree mtDNA tree Build 17													
LG07mt	B015, MK093658.1	51.5	-0.07 F			0.28	H2a1	H2a1	H2a1	H	HaploGrep 2.0 with Phylotree mtDNA tree Build 17													
G21	KH150844 PB	55.4	10.4 M			0.08	H2a1	H2a1	H2a1	H	HaploGrep 2.0 with Phylotree mtDNA tree Build 17													
Rathsua78	KH130131	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua94	KH130139	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua49	KH130124	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua120	KH130148	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua197	KH130180	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua100	KH130141	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua91	KH130137	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua232	KH130192	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua215	KH130188	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua221	KH130190	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua21	KH130120	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua208	KH130186	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua103	KH130143	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua95	KH130140	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua214	KH130187	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua160	KH130164	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua58	KH130127	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua42	KH130123	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua207	KH130185	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua134	KH130153	54.5	9.62 U			0.11	H2	H2	H2	H														
Rathsua230	KH130191	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua2	KH130115	54.5	9.62 M			0.11	H2	H2	H2	H														
Rathsua173	KH130171	54.5	9.62 F			0.11	H2	H2	H2	H														
Rathsua137	KH130155	54.5	9.62 M			0.11	H2	H2	H2	H														
G136	KH150160	54.8	11.5			0.1	H2	H2	H2	H														
G153	KH150165	54.8	11.5 F			0.1	H2	H2	H2	H														
G49	KH150142	54.8	11.5			0.1	H2	H2	H2	H														
G148	KH150162	54.8	11.5			0.1	H2	H2	H2	H														
G3	KH150134	54.8	11.5 M5			0.1	H2	H2	H2	H														
G199	KH150178	54.8	11.5			0.1	H2	H2	H2	H														
G168	KH150171	54.8	11.5			0.1	H2	H2	H2	H														
G34	KH150136	54.8	11.5 F			0.1	H2	H2	H2	H														
G154	KH150166	54.8	11.5			0.1	H2	H2	H2	H														
G177	KH150175	54.8	11.5			0.1	H2	H2	H2	H														
G197	KH150177	54.8	11.5			0.1	H2	H2	H2	H														
G15	KH150155	54.8	11.5			0.1	H2	H2	H2	H														
G174	KH150174	54.8	11.5			0.1	H2	H2	H2	H														
G170	KH150172	54.8	11.5 F			0.1	H2	H2	H2	H														
G4	KH150152	54.8	11.5			0.1	H2	H2	H2	H														
G51	KH150143	54.8	11.5			0.1	H2	H2	H2	H														
G44	KH150141	54.8	11.5			0.1	H2	H2	H2	H														
G446	KH150704 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G300	KH150687 PB	55.8	9.72 F			0.1	H2	H2	H2	H														
G228	KH150674 PB	55.8	9.72 F			0.1	H2	H2	H2	H														
G86	KH150715 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G394	KH150719 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G295	KH150679 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G89	KH150709 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G448	KH150718 PB	55.8	9.72 F			0.1	H2	H2	H2	H														
G456	KH150726 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G479	KH150693 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G142	KH150675 PB	55.8	9.72 F			0.1	H2	H2	H2	H														
G414	KH150713 PB	55.8	9.72 F			0.1	H2	H2	H2	H														
G411	KH150721 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G348	KH150689 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
G94	KH150710 PB	55.8	9.72 M			0.1	H2	H2	H2	H														
HGH-950		53.9	10.7 M			0.09	H2	H2	H2	H				Haplofind										
Cathedral AGB 2391	KH150061	55.3	8.77 M			0.09	H2	H2	H2	H														
HGH-1607		53.9	10.7 M			0.09	H2	H2	H2	H				Haplofind n/a										
Cathedral AGB 13 II	KH150095	55.3	8.77 M			0.09	H2	H2	H2	H														
Cathedral AGB 13 II	KH150088	55.3	8.77 F			0.09	H2	H2	H2	H														
HGH-1600		53.9	10.7 M			0.08	H2	H2	H2	H				Haplofind n/a										
G140	KH130034	55.4	10.4 F			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150125		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150120		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150107		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150057		55.3	8.77 F			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150106		55.3	8.77 F			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150059		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150114		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150102		55.3	8.77 M			0.07	H2	H2	H2	H														
GreyHunn_A08 1001KH150116		55.3	8.77 M5			0.07	H2	H2	H2	H														
Elan2	Elanhaademal.	48.7	16.6 F				H2a	H2a	H2a	H				Haplogrep (v2.1.20)										
KI18	RMPR-18	41.7	13 F				H2a	H2a	H2a	H				Haplogrep 2.0										
rma4025	PB1	58.1	13.5 F		5.40878	0.88	H2a (0.6297)	H2a (0.6297)	H2a	H	C117, A263G, A750G, C3106A, A8860G, A15326G													
JuraAnthPhyAnthropol2021		51.1	17.2		74		H2a	H2a	H2a	H														
I8839	AM202-F23-90	39.5	-8.62 F			0.69	H2a	H2a	H2a	H	HaploGrep2 based on phylotree4B (mtDNA tree build 17 (accessed 18 February 2016)													
Rom0197		46	11.1			0.67	H2a	H2a	H2a	H	16311C													
GUP9	FP 16 59/66 Schädel I	53.7	12			0.64	H2a	H2a	H2a	H														
I7495	UZ-ST-004, Sappali Tepe	37.4	66.8 F		125	0.62	H2a	H2a	H2a	H														
arm22	Akunk #43	40.2	45.7			0.53	H2a	H2a	H2a	H			G470RA	Yfull										
LH5233	MG182490	46.8	17.8			0.22	H2+16291	H2a2b/H2a1	H2a2b/H2a1	H														
I8338	SB9	21.1	30.7 F			0.23	H2a	H2a	H2a	H														
I8258	S149	21.1	30.7 F			0.2	H2a	H2a	H2a	H														
I8253	R202	21.1	30.6 F			0.19	H2a	H2a	H2a	H														
I19144	R164	21.1	30.6 F			0.18	H2a	H2a	H2a	H														
I18510	S136	21.1	30.7 F			0.18	H2a	H2a	H2a	H														
I17451	S15	21.1	30.7 F			0.18	H2a	H2a	H2a	H														
pool005	pool005	28	-15.6 F		341.1	0.18	H2a	H2a	H2a	H														
SN53	SN 5194	51.5	-0.1			0.1	H2a1	H2a1	H2a1	H														
G730	KH150846 PB	55.4	10.4 M			0.09	H2a1	H2a1	H2a1	H														
ELW0084		49	10.1 F				H2a1	H2a1	H2a1	H														
Khudyrsk138	Khudyrsk II Grave 7	52.4	88.1 F				H2a1	H2a1	H2a1	H				Unspecified										
AY2003	AY2003.AD101.TF 1.1,	45.7	43.3 F			0.3	H2a1	H2a1	H2a1	H				Yfull										
pool14	MH176351.1	48.4	28.4 M			0.78	H2a2	H2a2	H2a2	H	A2630, A750G, G951A, C15327, G3C		C6185AT + Q!!Yfull											
BLT_M18	-	47.7	86.9		404.971	0.75	U4d2	H2a2*	H2a2*	H			Yfull											
BLT_M19	-	47.7	86.9		475.269	0.87	HUnk2	H2a2*	H2a2*	H			Yfull											
M1-06	65 Kumy site	49.3	35.4 F			0.76	H2a2	H2a2	H2a2	H														
EE65		53.2	11.8			0.74	H2a2	H2a2	H2a2	H	A16129G T16187C T16189T T16223C G16293A T16278C C16311T C16354T													
TGB_M3-2		48.1	86.4		331.147	0.3	H2a2	H2a2*	H2a2*	H			Yfull											
UNTAB_1336	UNTABS_1336	48.1	10.9 F

Object-ID	Colloquial-Skeletal	Lat	Lon	Age	Sex	mtDNA-cov	mtDNA-Haplotype	mtDNA-Haplogroup	mt-PT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-SN-mt-5-MVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree-Y-Haplotree-Y-FTD-YFull	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree
G21	KH150845	55.4	10.4	M		0.09	H2a1	H2a1			H2	H													
JK2369	Pälkäsrivi1, MN540525	61.3	24.3			0.08	H2a1	H2a1			H2	H		263G 309.1CC 315.1C 750G 951A 7993C 8860G	10 PhyloTree mtDNA Build 17, 18 (Feb 2016)										
T1585	Turku1, MN540553.1	60.5	22.3			0.06	H2a1	H2a1			H2	H		263G 310C 750G 951A 2881T 8860G 15326G	16 PhyloTree mtDNA Build 17, 18 (Feb 2016)										
A35_3		48.2	10.8	F		0.78	H2a1a	H2a1			H2	H													
PO57_1	PO57_1	48.3	10.9	F	..	0.77	H2a1a	H2a1a			H2	H			KnipperPNA52018										
ER98	935, Surgun 4, burial	52.6	60.5	F	..	0.76	H2a1a	H2a1a			H2	H													
U907	219	59.5	28.8	F	..	0.38	H2a1a	H2a1a			H2	H													
PCA0103	MH402653	50.7	23.9	F		0.35	H2a1a	H2a1a			H2	H		T2483C											
BZH 8		51.8	10.9			0.77	H2a1a3	H2a1a			H2	H		A16129G T1G73A C146T C152T C195T A247G	..										
HR809	Mikbóts.AE103.TP1.1	46	16.3			0.09	H2a2b	H2a2b			H2	H													
HU45	**I5030, RISE582, RISE582**	48.7	12.7	F		149.76	H2a2b	H2a2b			H2	H			HaploGroup2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)										
pxc381		50.6	21.6			104	H2a2b	H2a2b			H2	H		A263G, T310C, C575T, A750G, A751G, G951A, C1058A, C5100T, A8860G, A15326G, C16051T										
TaFH-10		34.8	-2.41				H2a2a1a	H2a2a1a			H2	H		1612AC 1623ST											
KO14	Keenage14	53.6	-6.42	F			H2a2a1b	H2a2a1b			H2	H		73A, 146T, 185.1ST											
Karos221		48.3	21.7	M			H2a2a1c	H2a2a1c			H2	H													
Karos222		48.3	21.7	U			H2a2a1c	H2a2a1c			H2	H													
Karos2244		48.3	21.7	F			H2a2a1c	H2a2a1c			H2	H													
LM5044	6877, MH359710.1	51.5	-0.08	F		0.08	H2a2	H2a4			H2	H			**C16354T + G5191del**										
Blue29		51.4	7.55	F		0.98	H2a2	H2a2			H2	H													
JAA255	Tiszaeszlár- Csalamajv	47.6	20.7	F		0.44	H2a2	H2a2			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PI-425		38.4	-66.4	U		0.16	H2a2 (quality: 55)	H2a2			H2	H													
G730	KH150847	55.4	10.4	M		0.1	H2a2	H2a2			H2	H													
AKT18g	Aktopraklık	40.2	28.8	F		0.94	H2a2a	H2a2a			H2	H			Haplogroup 2.2, PhyloTree build 17										
RISE1174		50.8	21.6	m		0.94	H2a2a	H2a2a			H2	H													
I6048	Tomsk_2125, inventa	55.5	77.1	F	3.6	0.7	H2a2a	H2a2a			H2	H			..										
SK9		37.8	41.4	F		0.44	H2a2a	H2a2a			H2	H													
I7028	A7_123, Grave 446_8	50	92.1	F	7.73	0.44	H2a2a	H2a2a			H2	H													
A726		46.4	101			0.44	H2a2a	H2a2a			H2	H	rCRS												
Cap-A44		44.5	28.1			0.2	H2a2a	H2a2a			H2	H	16129C 162.5BC 60.1T 6 15674C												
M57	MW508525	45.8	25.6	F		0.15	H2a2a (100%)	H2a2a			H2	H		263G	7028C 14766! HaploGrep2 based on PhyloTree17 (accessed 22.06.2020)										
SLT523		43.8	10.5			0.07	H2a2a+16235!	H2a2a			H2	H	1622.5G 162.7BT												
TaFU06		34.8	-2.41				H2a2b	H2a2b			H2	H	1620AC 162.7BT												
CCH285		37.7	32.8	F	2.13996		H2a2a1	H2a2a1			H2	H													
SCH033	Schwetzingen 131	49.4	8.57	F			H2a2a1	H2a2a1			H2	H													
SCH009	Schwetzingen 99	49.4	8.57	F			H2a2a1	H2a2a1			H2	H													
SCH010	Schwetzingen 100	49.4	8.57	F			H2a2a1	H2a2a1			H2	H													
SCH031	Schwetzingen 9	49.4	8.57	F			H2a2a1	H2a2a1			H2	H													
JH06	JH06_Ages_2_7172	48.9	4				H2a2a1	H2a2a1			H2	H													
RISE1251		50.7	21.8			0.94	H2a2a1	H2a2a1			H2	H			Haplogroup 2.2, PhyloTree build 17										
RISE1253		50.7	21.8			0.94	H2a2a1	H2a2a1			H2	H			Haplogroup 2.2, PhyloTree build 17										
Rom81103		46	11.1	F		0.82	H2a2a1	H2a2a1			H2	H	None (rCRS)												
Rom81105		46	11.1	F		0.82	H2a2a1	H2a2a1			H2	H	None (rCRS)												
Rom81100a		46	11.1			0.82	H2a2a1	H2a2a1			H2	H	None (rCRS)												
Rom9772A		46	11.1	F		0.82	H2a2a1	H2a2a1			H2	H	None (rCRS)												
DA194	Sandorfalva Jó Eperje	46.3	20.2	F		0.48	H2a2a1	H2a2a1			H2	H		i2a	ReichLab_v44.3										
ERS1164	ERS1164	48.4	7.66	F	34.43	0.43	H2a2a1	H2a2a1			H2	H			HaploFind and PhyMer, PhyloTree build17										
IN38		43.8	10.5			0.38	H2a2a1	H2a2a1			H2	H	CRS												
IN4		43.8	10.5			0.38	H2a2a1	H2a2a1			H2	H	CRS												
SGT1	Complesso San Girolamo	43.8	10.5			0.38	H2a2a1	H2a2a1			H2	H	CRS												
IN1		43.8	10.5			0.38	H2a2a1	H2a2a1			H2	H	CRS												
HKY9 SK111 T13		51.5	-0.09	F		0.37	H2a2a1a	H2a2a1a			H2	H													
I7948B	STR_480	48.9	12.6	F		0.28	H2a2a1a	H2a2a1a			H2	H		J1c2b	Haplofind										
T-237		38.1	-66.6	F		0.26	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
CAO501	673(10)	23	-81.5	F	101.789	0.26	H2a2a1b	H2a2a1b			H2	H													
Saag2100. 4248		46.6	20.2	M		0.26	H2a2a1b	H2a2a1b			H2	H	CRS												
T-187		38.1	-66.6	F		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-186		38.1	-66.6	M		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-108		38.1	-66.6	M		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PC-103		38.1	-65.8	U		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-16		38.1	-66.6	M		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
HD-01-Ref		47.9	16.8			0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H	315.1C 10463C												
T-9		38.1	-66.6	F		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-184		38.1	-66.6	U		0.25	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-104		38.1	-66.6	M		0.24	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-479		38.1	-66.6	F		0.24	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-211		38.1	-66.6	U		0.24	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PC-445		38.1	-65.8	U		0.24	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PC-95		38.1	-65.8	M		0.23	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PC-136		38.1	-65.8	U		0.23	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
I8161	Hinston128B5, skeleto	52.1	0.18	F		0.23	H2a2a1b	H2a2a1b			H2	H													
NJ-125		43.9	26.9			0.23	H2a2a1b	H2a2a1b			H2	H	CRS												
T-236		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-40		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-3		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-154		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-29		38.1	-66.6	M		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-E10		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-268		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-38		38.1	-66.6	U		0.22	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
I4669	Denmark_Tollemoseje	55.9	12.1	F	23.3	0.22	H2a2a1b	H2a2a1b			H2	H													
TUH 1649		41.5	24			0.21	H2a2a1b	H2a2a1b			H2	H	CRS		HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
PI-392		38.4	-66.4	M		0.21	H2a2a1b (quality: 50)	H2a2a1b			H2	H													
Balu4-4618		46.6	20.1	F		0.2	H2a2a1b	H2a2a1b			H2	H	CRS												
HAR22-618		46.7	19	F		0.2	H2a2a1b	H2a2a1b			H2	H	CRS												
HAR5.838		46.7	19	F		0.2	H2a2a1b	H2a2a1b			H2	H	CRS												
Lev12-413B		48.2	18.8	M		0.2	H2a2a1b	H2a2a1b			H2	H	CRS												
T-259		38.1	-66.6	U		0.19	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
T-264		38.1	-66.6	M		0.18	H2a2a1b (quality: 50)	H2a2a1b			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
LE10Dmt	5812, MK039623.1	51.5	-0.07	F		0.12	H2a2a1*	H2a2a1*			H2	H				**G263A**	**YFull**								
SLT486		43.8	10.5			0.07	H2a2a1a	H2a2a1a			H2	H	CRS												
SLT2A78		43.8	10.5			0.07	H2a2a1a	H2a2a1a			H2	H	CRS												
TUS64	Hinland,MN540504.1	61.2	29.7			0.66	H2a2a1b	H2a2a1b			H2	H			126ZN 136ZN 136dN 136SN 136GN 136TN 136BN	PhyloTree mtDNA Build 17, 18 (Feb 2016)									
IN35		43.8	10.5			0.2	H2a2a1d	H2a2a1d			H2	H	16172C												
IN29		43.8	10.5			0.2	H2a2a1d	H2a2a1d			H2	H	16172C												
IN2		43.8	10.5			0.2	H2a2a1d	H2a2a1d			H2	H	16172C												
BAL3.38		46.7	17.4	M		0.97	H2a2a2	H2a2a2			H2	H	1618RC 16193.1C												
Radon22	276/66	51.4	21.2	F		0.83	H2a2a2g	H2a2a2g			H2	H													
Sz72		43.8	10.5			0.34	H2a2a2h	H2a2a2h			H2	H	1618RC												
T-265		38.1	-66.6	U		0.18	H2a2a2h (quality: 52	H2a2a2h			H2	H			HaploGrep 2.0 with PhyloTree mtDNA tree Build 17										
LF2KGmt	X12519, MH029546.1	55.3	8.76			0.1	H2a2a3	H2a2a3			H2	H				**A16219G**	**YFull**								
pcw212		11	50	22.7	F	8.40139	0.84	H2a2b			H2	H	H!4R2: 222Y 263G; CR: 310R 1T 8860G 15326G; Hv...							3433					
pcw211		11	50	22.7	F	54.575	0.81	H2a2b			H2	H	H!R2: 150Y 187R 263G 311Y 2630 4117Y 5697; CR: 810R ...							13330					
UN96		49.7	17.4	M			H2a2b	H2a2b			H2	H	H_16239G-16291												
UN 40-2		49.7	-1.74			0.4	H2a2b	H2a2b			H2	H	H_16235-16291												
PCA0030	Kow_25, ob. 324	52.6	16.8	F		0.94	H2a2b	H2a2b			H2	H													
TUH0017/AVG06***	AT-729, AT-730	47.8	10.7	F		0.91	H2a2b	H2a2b			H2	H													
Szólád3		46.8	17.8	M		0.28	H2a2b	H2a2b			H2	H	16291!												
MeroveingianC		46.8	7.17			0.26	H2a2b	H2a2b			H2	H	1622.5G-16291!												

Object-ID	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
									St. Jorgen		Denmark
									Pälkärä3	Area 10, grave 2	Finland
									Turku2	85/10/305	Finland
									Kemalinnjen – Gewerbegebiet	Lech_EBA	Germany
									Haunstetten – Postlißstraße	POST	Germany
									Russia_MUBA_Sintashta		Russia
									Estonia_IA	Russia_IA_Ingria-SG	Russia
									Wielbark_Masłomęcz		Poland
									Beninger-Gerstetter-Heimburg		12 Germany
									Mikulovice_Bez_Bohemia	Bohemia_CWF_Early	Czech Republic
									Stolt_Italy_IA		Italy
									Karos-Epersjaustig 6, Hungary		Hungary
									Hollistad		20 Finland
									Tamera, Samara River, Ulyevka V	Russia_Samara_EBA_Yamnaya	Russia
									Samara_BelBeukar	Lan_BA_BAV	Germany
									Sambrook 1 – Car-Boil_Wave	Cordel_Wave_Poland	Ireland
									Grotte des pigeons, Taforalt, Oujda	Morocco	
									Keenage, Meath	PG Burial (Flat Cairnland	
									Karos-Epersjaustig 6, Hungary	Hungary	
									Karos-Epersjaustig 6, Hungary	Hungary	
									Karos-Epersjaustig 6, Hungary	Hungary	
									St. Mary Sadlar	SRPBL Phase 17	England
									Blätterhöhle at Hagen, Sauerland region, Westphi	Germany_LN	Germany
									Europe	Tiszaeszlár- CsalamajvEr	Hungary
									Paso del Indio		Puerto Rico
									St. Jorgen		Denmark
									Aktopraklık		Turkey
									Mikrovasnova	GAC	Poland
									Russia_MUBA_Pristorachenka_conta	Pristorachenka 3	Russia
									Cernaia Sch, Sos Dam, Yasihar36D, Conglomera	Turkey	
									Uss amag, Ulaangom sum, Chandman Uul, UlaanMongolia		
									Bayankhongor amag, Erdenets Grave 2	Mongolia	
									Capdzaxa necropolis, Dobroja	Romania	
									Felsbauer / Marwinkel-Hof, Hungary (Braun-Castelman		
									Ospedale di San Luca (Lucca)	Italy	
									Grotte des pigeons, Taforalt, Oujda	Morocco	
									Catalhöyük	Level South 4 NeTurkey	
									Baden-Württemberg, Germany Schwetzingen	Germany_EN_LBK	
									Baden-Württemberg, Germany Schwetzingen	Germany_EN_LBK	
									Baden-Württemberg, Germany Schwetzingen	Germany_EN_LBK	
									Baden-Württemberg, Germany Schwetzingen	Germany_EN_LBK	
									Mont-Aimé hypogée II	DS	France
									Sandomierz	GAC	Poland
									Sandomierz	GAC	Poland
									Romagnano III		Italy
									Romagnano III		Italy
									Trentino EBA Pietale A		Italy
									Trentino EBA Pietale A		Italy
									Romagnano III		Italy
									Frizzone (Capannori, Lucca)		Italy
									Frizzone (Capannori, Lucca)		Italy
									Complesso San Girolamo (Lucca)		Italy
									Frizzone (Capannori, Lucca)		Italy
									Harper Road, Southwark, London		Great Britain
									Strauding: Bayuwarenstraße	480 Germany	
									Tibes		Puerto Rico
									Ancharo	Cuba_CaminarAbajo	Cuba
									Avar		Singapur-Circm0260
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Avar		Austria
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico
									Tibes		Puerto Rico

Object-ID	Colloquial-Skeletal	Lat(lun)	Long	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-tree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no-5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree-I Y-FTD-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
KH35B10	NT42	50.3	7.9	?	[illegible]	H3ae	[illegible]	[illegible]	H3ae	M3	H		2630; (yes) 75Miquel RomaNA											
UC_HGI_310	PE16	50.1	14.4	?	[illegible]	H3af	[illegible]	[illegible]	H3af	M3	H													
LGG2m4	E213, MKD39654.1	51.5	0.07	?	[illegible]	H3af	[illegible]	[illegible]	H3af	M3	H		A8470G + G11 YFull											
DTTW_141	DTTW_141	48.2	10.8	F	[illegible]	H3ag	[illegible]	[illegible]	H3ag	M3	H													
GCP003		41.8	13.4	F	[illegible]	H3am	[illegible]	[illegible]	H3am	M3	H													
Mno27		41.3	2.53	?	[illegible]	H3an	[illegible]	[illegible]	H3an	M3	H		A16129G T16187C C16189T T16223C G16230A T16278C C16311T											
I2469	I5,I24-3	42.6	-2.62	F	81.1	0.27	H3an	[illegible]	H3an	M3	H			HaploGrep2										
LN88mt	5188, MKD39748.1	51.5	-0.1	M	[illegible]	0.23	H3an	[illegible]	H3an*	M3	H		G251A	YFull										
I8111	RI714	51.5	11.5	F	[illegible]	0.97	H3an	[illegible]	H3an	M3	H		A16129G T16187C C16189T T16223C G16230A C1											
LF022mt	12240:12224, MKD35052	55.9	9.84	?	[illegible]	0.14	H3an	[illegible]	H3an2	M3	H		C16292T	YFull										
KA42	126110	47.3	7.66	?	[illegible]	0.47	H3ap	[illegible]	H3ap	M3	H			HaploGrep2										
I9088	GM-23	40.1	43.2	F	49.6	0.79	H3ap	[illegible]	H3ap	M3	H			HaploGrep2										
I7458	CEF007/LVE513	37	-3.99 U	?	139	0.21	H3ap	[illegible]	H3ap	M3	H			HaploGrep2					212					
LF161mt	CL, MKD39504.1	55.4	8.41	?	33	0.59	H3ap	[illegible]	H3ap*	M3	H		C16147T	YFull										
SUA006		30.9	9.24 F		403.2	0.19	H3ay	[illegible]	H3ay	M3	H													
I6051	5051	51.5	11.6	?	[illegible]	0.7	H3b	[illegible]	H3b	M3	H													
ALB 1	ALB1_4442, KC554060	51.4	11.6		[illegible]	0.69	H3b	[illegible]	H3b*	M3	H		A16129G T16223A C1467 C1527 C15PL32810	YFull										
I5873	I5873	56.7	10.7	F	[illegible]	0.65	H3b	[illegible]	H3b	M3	H													
Uyelgy22	MOTSE (R11/L)	55.8	61.6	F	[illegible]	0.19	H3b	[illegible]	H3b-G16129A	M3	H		152C 2630 750G 14380 2581G 4769G 6776C 8860G 15326G 16-N											
VK298	Denmark_Bogovej Gr	54.9	10.7	F	55.3	0.46	H3b3	[illegible]	H3b3	M3	H		2630 750G 14380 2581G 4769G 6776C 8860G 15326G 16-N											
S228	S2D02E,A0101	46.3	17.9 F		12.24	0.66	H3b5	[illegible]	H3b5	M3	H		16147a 16172c 16195c 16223t 16248t 16320t 163Hapsfind											
LHS228	MG180479	46.8	17.8			0.64	H3b5	[illegible]	H3b5	M3	H													
LD34m1	x5582, MKD59592.1	55.3	8.76			0.14	H3	[illegible]	H3*	M3	H			5579C	YFull									
3Haar258		47.2	21.2			0.14	H3	[illegible]	H3*	M3	H		2630 750G 9350 7280A 11898T	930 2630 75TYFull										
5Haar259		47.2	21.2			0.14	H3	[illegible]	H3*	M3	H		2630 750G 9350 7280A 11898T	930 2630 75TYFull										
CBE58		43.2	3.13			0.81	H3c	[illegible]	H3c	M3	H			Haplofind and PhyMer, Phylotree build17										
BOM2		38.3	27.4			0.44	H3c	[illegible]	H3c	M3	H													
Dor597.4468		46.3	20.1 U			0.23	H3c2	[illegible]	H3c2	M3	H	16176T												
I1276	MR13	42.3	-3.5 F		365.1	0.52	H3c3	[illegible]	H3c3	M3	H			HaploGrep2										
KO2013	KO2013,AE031.TF.1	50	15.2 F			0.52	H3d	[illegible]	H3d	M3	H													
SNK003	1SSN 1045	40.7	8.56 F		73.8	0.07	H3f1	[illegible]	H3	M3	H													
LF208mt	G 197, MKD59526.1	55.9	9.82			0.08	H3	[illegible]	H3	M3	H		A16311G	YFull										
MorK	MorK	48.8	7.63 F		29	0.3	H3g1	[illegible]	H3g1	M3	H			Haplofind and PhyMer, Phylotree build17										
KO5K0B		48.5	7.47			0.5	H3-152	[illegible]	H3-152	M3	H			Haplofind and PhyMer, Phylotree build17										
I3600	SAL2576, SAL2576_10	51.5	11.8 F		153	0.68	H3-152C1	[illegible]	H3-152C1	M3	H		A16129G T16187C C16189T T16223A T152C1	YFull										
I8214	10-SU-28-01-E-82	42.1	3.11 F			0.42	H3-152C1	[illegible]	H3-152C1	M3	H													
MS10612		38.9	1.43			0.37	H3 + 152	[illegible]	H3-T152C1	M3	H		152C 2630 310 1C 16519C	Haplogrep; Phylotree build 17										
VK90	Denmark_Lejre Grav1	55.6	12 F		106.4	0.18	H3-152	[illegible]	H3-T152C1	M3	H		152C 2630 750G 14381 4769G 6776C 8860G 15326haplogrep, KlossBrandaletteHumMutat2011											
TellKurdu23-11		36.3	36.3 F				H3a	[illegible]	H3a	M3a	H		16104T, 16187T, 16216G, 16239G, 16319C											
TellKurdu24-23		36.3	36.3				H3a	[illegible]	H3a	M3a	H		16104T, 16187T, 16216G, 16239G, 16319C											
TellKurdu12-18		36.3	36.3 M				H3a7	[illegible]	H3a7	M3a7	H		16104T, 16187T, 16216G, 16239G, 16319C											
TellKurdu12-14		36.3	36.3 M				H3a7	[illegible]	H3a7	M3a7	H		16104T, 16187T, 16216G, 16239G, 16319C											
TellKurdu26-12		36.3	36.3 F				H3a7	[illegible]	H3a7	M3a7	H		16104T, 16187T, 16216G, 16239G, 16319C											
TellKurdu20-12		36.3	36.3 M				H3a7	[illegible]	H3a7	M3a7	H		16104T, 16187T, 16216G, 16239G, 16319C											
I8146	Cobertizo Viejo-CV2 L	37.1	-3.59 F		120	0.09	H3a1	[illegible]	H3a1	M3a1	H			HaploGrep2										
VK238	Iceland_A115-4c	65.6	-17.2 F		41.8	0.55	H3a1a	[illegible]	H3a1a	M3a1a	H		152C 2630 750G 14380 4769G 6776C 8860G 13467haplogrep, KlossBrandaletteHumMutat2011											
VK236	Farise_14	61.9	-6.8 F		188.1	0.21	H3a1a	[illegible]	H3a1a	M3a1a	H		2630 750G 14380 4769G 6776C 8860G 13467haplogrep, KlossBrandaletteHumMutat2011											
I8421	SVP20_Spiridonovka1	53.1	50.4 F			0.61	H3g	[illegible]	H3g	M3g	H													
I5800	Tomsk_4387_Inventa	52.6	62.7 F		94.9	0.62	H3g	[illegible]	H3g	M3g	H													
LF151mt	EB, MKD39502.1	55.4	8.41			0.45	H3g1a	[illegible]	H3g1a	M3g1a	H			A15377G	YFull									
LM85mt	2264B, MKD59735.1	51.5	-0.08 U			0.47	H3g1b	[illegible]	H3g1b*	M3g1b*	H			G8950A	YFull									
LE146mt	7248, MKD59645.1	51.5	0.07 M			0.39	H3g1b	[illegible]	H3g1b*	M3g1b*	H			G8950A	YFull									
LM58mt	7796, MKD59698.1	51.5	-0.08 F			0.31	H3g1b	[illegible]	H3g1b*	M3g1b*	H			G8950A	YFull									
JF15	Jewish15,Lubavich JF15	52.5	-17.7 F			0.28	H3h	[illegible]	H3h	M3h	H		71A; 146T; 16145A											
I3573	GENSCOT21	56	-2.9 F		66.7	0.53	H3-T16311C	[illegible]	H3-T16311C	M3	H			HaplogrepS2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)										
I8Epr20		48.1	21.7			0.15	H3h	[illegible]	H3h	M3h	H		263G 750G 5788C 14182C	263G 750G YFull										
TU621	Luisterlin9, MN540845.	61.1	22.1			0.34	H3h5	[illegible]	H3h5	M3h5	H		9V 2N 3N 4N 5N 6N 7N 11N 242N 263G 309T 750PhyloTree mtDNA Build 17, 18 (Feb 2016)											
LM68mt	3676, MKD59724.1	51.5	-0.08 U			0.31	H3h5	[illegible]	H3h5*	M3h5*	H			G10589A	YFull									
I4Mper7		47	21.6			0.17	H3n1	[illegible]	H3n6*	M3n6*	H		263G 750G 152C	8860G 16S! 152C 263G 73PYFull										
VK536	Italy_Foggia-1240	41.6	15.3 F		81.9	0.37	H3n6	[illegible]	H3n6	M3n6	H		263G 750G 14583E 4025T 4769G 6776C 8860G 12bHaplogrep, KlossBrandaletteHumMutat2011											
LF142mt	DV, MKD59494.1	55.4	8.41			0.32	H3b7	[illegible]	H3b7*	M3b7*	H			A93G	YFull									
QUN234	QUN234	41.3	1.96 F		41	0.1	H3m	[illegible]	H3m	M3m	H			Haplofind and PhyMer, Phylotree build17										
VK350	Oland_1086	56.7	16.7 F		110.6	0.35	H3n	[illegible]	H3n	M3n	H		2630 750G 14380 4769G 6776C 8860G 15326G 1Haplogrep, KlossBrandaletteHumMutat2011											
VK364	Denmark_Bogovej Bn	54.9	10.7 F		114.5	0.16	H3n	[illegible]	H3n	M3n	H		2630 750G 14380 4769G 6776C 8860G 9964A 15326haplogrep, KlossBrandaletteHumMutat2011											
pop612		50.9	21.4		1118	H3v		[illegible]	H3v	M3v	H		A2630, T408A, A9500, A14380, C3106A, A4769G, T6776C, A8860G, A15326G, T16519C											
pop607		50.9	21.4		59	H3v		[illegible]	H3v	M3v	H		A2630, T408A, C3171T, A7026G, A14380, A4769G, T6776C, C7390T, C7401T, A8860G, A15326G, T16519C											
pop614		50.9	21.4		31	H3v		[illegible]	H3v	M3v	H		A2630, T408A, A9500, A14380, A4769G, T6776C, A8860G, A15326G, C16257T, T16519C											
HG365	Sivik 1987/60	55.4	14.1			0.72	H3v-16093	[illegible]	H3v-T16093C	M3v-T16093C	H													
I7196	Grave 54	50.1	14.4 F		298.6	0.65	H3v-16093	[illegible]	H3v-T16093C	M3v-T16093C	H			HaplogrepS2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)										
PRV205.4408		46.3	20.7 M			0.18	H3v-16093	[illegible]	H3v-T16093C	M3v-T16093C	H													
Radonil	55/66					0.17	H3v1	[illegible]	H3v1	M3v1	H													
LF124mt	G204, MKD59488.1	55.3	8.76			0.15	H3v1	[illegible]	H3v1	M3v1	H			C12368T + T195Yfull										
I10366	MSAE B784 (Motnar'e	39.8	8.84 F		64.6	0.02	H30a	[illegible]	H30a	M30a	H30		93G; 14947T											
Rathaus163.9	KH130165	54.5	9.62 F			0.11	H33	[illegible]	H33	M33	H33		16188T											
SzegS542.42BB		46.6	20.2 M			0.36	H33c	[illegible]	H33c	M33c	H33													
I60-12		45.3	28.4 F			0.38	H35	[illegible]	H35	M35	H35													
LCC0L92	MG182520	45.1	7.59			0.18	H35	[illegible]	H35	M35	H35													
NLHWC438	KH130151	46.6	17.7			0.2	H35	[illegible]	H35	M35	H35													
Rathaus7	KH130116	54.5	9.62 F			0.11	H4	[illegible]	H4	M4	H4													
Rathaus202	KH130182	54.5	9.62 F			0.11	H4	[illegible]	H4	M4	H4													
I10067	PBL2	44.7	18.1 F		2.13	0.41	H4a1	[illegible]	H4a1	M4a1	H4a1													
I10293	PBL8.2	44.7	18.1 F		110	0.41	H4a1	[illegible]	H4a1	M4a1	H4a1													
MK269		125489	47.3	7.66			H4a1a	[illegible]	H4a1a	M4a1a	H4a1a													
I8197		11834	37.2	4.24 F		140	0.94	H4a1a	[illegible]	H4a1a	M4a1a	H4a1a												
QUERI 1	QUERI1_4325, KC554	51.8	11.1			0.64	H4a1	[illegible]	H4a1*	M4a1*	H4a1*		A16129G T16223A C1467 C1527 C15PL34367	YFull										
BAF76	MH605045.1	42.4	25.6			0.64	H4a1	[illegible]	H4a1*	M4a1*	H4a1*		A16129G T16223A C1467 C1527 C15PL34367	YFull										
QUERI 2	QUERI2_4327B, KC55	51.8	11.1			0.64	H4a1*	[illegible]	H4a1*	M4a1*	H4a1*		A16129G T16223A C1467 C1527 C15PL34367	YFull										
Pol-22		37.5	13.8		88.21	0.55	H4a1	[illegible]	H4a1	M4a1	H4a1			Phylotree Build 17										
Takabuti		25.7	32.6 F			0.53	H4a1	[illegible]	H4a1	M4a1	H4a1													
I12568	S-EVA17170, ROD-DU	37.5	-5.08 F		3.982	0.52	H4a1	[illegible]	H4a1	M4a1	H4a1			HaplogrepS2										
VFBperb20		46.7	17.3			0.21	H4a1	[illegible]	H4a1	M4a1	H4a1		263G 750G 143A 12477C 16326G 16 14YA 263G 73YFull											
CAN.ED17	AEH002, MK139590.1	27.9	15.5			0.19	H4a1d	[illegible]	H4a1d*	M4a1d*	H4a1d*			C14865T	YFull									
CAN.ED17	AEH003, MK139590.1	27.9	15.5			0.19	H4a1d	[illegible]	H4a1d*	M4a1d*	H4a1d*			C14865T	YFull									
I3Epr2		48.1	21.2			0.14	H4a1a	[illegible]	H4a1a	M4a1a	H4a1a													
I3Epr3		47.2	21.2			0.14	H4a1a	[illegible]	H4a1a	M4a1a	H4a1a													
LS10mt	9324, MKD59672.1	55.4	10.4 M			0.11	H4a1a	[illegible]	H4a1a	M4a1a	H4a1a													
I2Epr327		47.3	21.1			0.14	H4a1a	[illegible]	H4a1a	M4a1a	H4a1a													
LF136mt	CV, MKD59491.1	55.4	8.41			0.18	H4a1a	[illegible]	H4a1a*	M4a1a*	H4a1a*													
I3803	EUA41, EUA41a, EUA4	51.2	11.8 F		200	0.9	H4a1a1	[illegible]	H4a1a1a	M4a1a1a	H4a1a1a													
I4Mper7b1	WEHR_1193, MF4868	48.3	10.8 F			0.24	H4a1a1a	[illegible]	H4a1a1a	M4a1a1a	H4a1a1a													
I4Mper15		47.6	21.6			0.2	H4a1a1a	[illegible]	H4a1a1a	M4a1a1a	H4a1a1a													
LS10mt	x5026, MKD59591.1	55.3	8.76			0.21	H4a1a1a*	[illegible]	H4a1a1a*	M4a1a1a*	H4a1a1a*													

Object-ID	Colloquial-Skeletal	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-tree	mt-YF-FTDNA-mt-Haplotree	Y-New	Y-Haplotree - Y-Haplotree-I Y-FTD YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
LF176mt	X1130, MKD59516.1	55.3	8.76	[illegible]	[illegible]	H4a1a2		G11078A	YFull	
I5371	SR126, MKD59546.1	55.4	-0.47 F	[illegible]	[illegible]	H4a1a2a				
MA515	MA515_AM5_2_D280	43.6	3.92	[illegible]	[illegible]	H4a1a-T195C!				
I6584		51.5	11.6 F	[illegible]	[illegible]	H4a1a-T195C!				
vlk_bun023	vlk_bun023	59.6	17.7 F	[illegible]	[illegible]	H4a1a3a				
G300	KH130068 PB	55.4	10.4 F	[illegible]	[illegible]	H4a1a4b				
G300	KH130069	55.4	10.4 F	[illegible]	[illegible]	H4a1a4b				
G298	KH130038	55.4	10.4 M	[illegible]	[illegible]	H4a1a4b				
VFBperb243		46.7	17.3	[illegible]	[illegible]	H4a1a1a				
CAN.ED81	AEH04, MK139591.1	27.9	15.5	[illegible]	[illegible]	H4a1a				
CAN.ED11	AEH06, MK139591.1	27.9	15.5	[illegible]	[illegible]	H4a1a				
I3027	I3027	48.8	9.18	[illegible]	[illegible]	H4b				
pop405		49.9	20.7	[illegible]	[illegible]	H4b				
pop393		49.9	20.7	[illegible]	[illegible]	H4b				
pop395		49.9	20.7	[illegible]	[illegible]	H4b				
Bin32	Blackhill32	53.3	-6.57 F	[illegible]	[illegible]	H4b				
I6538	HB0057	50.9	16.8 F	[illegible]	[illegible]	H4b5				
LS28mt	B136, MKD59670.1	51.5	-0.07 U	[illegible]	[illegible]	H4b5a				
I11468	413, Grave 411	30.6	81.4 F	[illegible]	[illegible]	H4b5a				
Uyelgy17	UELGI 5b	55.8	61.6 M	[illegible]	[illegible]	H4b5b				
pop474		50.3	20.4	[illegible]	[illegible]	H4c1				
I3Fr20		48.1	21.2 M	[illegible]	[illegible]	H4c1				
LB212	LaBoulaiseEle212	52.2	-8.33 F	[illegible]	[illegible]	H4c1a				
POST_35	POST_35	48.3	10.9 F	[illegible]	[illegible]	H4c1a				
I10065	PB16	44.7	18.1 F	20.7	0.84	H4c2				
I9294	T-143		42	2.33 F	69.9	0.18	H4c2			
I5026	RISE568, FR25, AD16	50.2	14.2 F	[illegible]	[illegible]	H4c4a				
ORN010	OB 4226-1	48.5	7.48 F	[illegible]	[illegible]	H4c5				
ALA013	I4,I54, Locus 152, AT 1	36.2	36.4 F	[illegible]	[illegible]	H4c5				
TUK21		47.8	102 F	[illegible]	[illegible]	H47				
TUK19		47.8	102 F	[illegible]	[illegible]	H47				
TUK29		47.8	102 F	[illegible]	[illegible]	H47				
TUK28		47.8	102 F	[illegible]	[illegible]	H47				
LRV 135	I7287	48.2	16.3	[illegible]	[illegible]	H47				
VFBperb118		46.7	17.3	[illegible]	[illegible]	H47a				
VFBperb122	VFBperb122A	46.7	17.3	[illegible]	[illegible]	H47a*				
VFBperb175		46.7	17.3	[illegible]	[illegible]	H47a1				
pop683		50.5	20.8 F	[illegible]	[illegible]	H48				
JK1929	Reinkol, MN540546.1	60.9	24.3	[illegible]	[illegible]	H49				
LF120mt	G38, MKD59486.1	55.3	8.76	[illegible]	[illegible]	H49a				
LD117mt	G.139-x284 (loose in t	56.4	9.4	[illegible]	[illegible]	H49a3				
LRV 112	I7211	40.8	16.3	[illegible]	[illegible]	H5				
LN100mt	5086, MKD59743.1	51.5	-0.1 F	[illegible]	[illegible]	H5				
pop536		50.5	21.5 F	[illegible]	[illegible]	H5				
I5469	skeleton A	56	-0.18 F	[illegible]	[illegible]	H5				
LVA229		40.8	16.4 U	[illegible]	[illegible]	H5				
LRV 110	I7216	40.8	16.3	[illegible]	[illegible]	H5				
Vdm361.5668		46.7	17.3 F	[illegible]	[illegible]	H5				
I5180	L12-393	40.3	29.6 F	[illegible]	[illegible]	H5				
I8679	Kra 1	42	25.6 F	[illegible]	[illegible]	H5				
LGC53	1784.	46	18.6 I	[illegible]	[illegible]	H5				
SZ596		46	18.3	[illegible]	[illegible]	H5				
BUD 15	632.	47.5	18.9 I	[illegible]	[illegible]	H5				
BUD 13	501.	47.5	18.9 M	[illegible]	[illegible]	H5				
AUE2		46.2	18.7	[illegible]	[illegible]	H5				
AUE11		46.2	18.7	[illegible]	[illegible]	H5				
BA18		46.2	18.7	[illegible]	[illegible]	H5				
MOR72		46.2	18.6	[illegible]	[illegible]	H5				
BAL13		46.2	18.7	[illegible]	[illegible]	H5				
CSA72		47.5	18.6	[illegible]	[illegible]	H5				
TUR75(SK9)	TUR75, Niederried Un	47	7.25	[illegible]	[illegible]	H5				
Wittmar9		52.1	10.6	[illegible]	[illegible]	H5				
I170		52.6	18.8 U	[illegible]	[illegible]	H5				
I140		52.6	18.8 F	[illegible]	[illegible]	H5				
I11		52.6	18.8 U	[illegible]	[illegible]	H5				
BER657		43.2	2.41	[illegible]	[illegible]	H5				
BLA13	04/034	51.4	7.55 F	[illegible]	[illegible]	H5				
Bla12	Blaetterhh	51.4	7.55 F	[illegible]	[illegible]	H5				
I1563	Bla5	51.4	7.55 F	[illegible]	[illegible]	H5				
BLA5	04/023	51.4	7.55	[illegible]	[illegible]	H5				
SAL2 118		51.5	11.9	[illegible]	[illegible]	H5				
SAL2 7		51.5	11.9	[illegible]	[illegible]	H5				
SAL2 6		51.5	11.9	[illegible]	[illegible]	H5				
SAL2 5		51.5	11.9	[illegible]	[illegible]	H5				
SAL2 1		51.5	11.9	[illegible]	[illegible]	H5				
I6552	S2552_xL	51.5	11.9	[illegible]	[illegible]	H5				
pop466		50.3	20.4	[illegible]	[illegible]	H5				
BENZ 29		51.8	10.9	[illegible]	[illegible]	H5				
EUL 26		51.2	11.8	[illegible]	[illegible]	H5				
DLB 24		51.8	11.1	[illegible]	[illegible]	H5				
I5385	S8529A2	58.4	-3.4 F	[illegible]	[illegible]	H5				
Rzemi114		46	11.1 F	[illegible]	[illegible]	H5				
SB345	Ava	58.4	-3.44 F	[illegible]	[illegible]	H5				
KAR 48		51.8	11.1	[illegible]	[illegible]	H5				
I8074	Leuchh9	35.1	25.8 F	[illegible]	[illegible]	H5				
GUP5	I3/56	53.7	12	[illegible]	[illegible]	H5				
GLB 35		51.8	11.1	[illegible]	[illegible]	H5				
GLB 40		51.8	11.1	[illegible]	[illegible]	H5				
MinoanBAH		35.1	25.8	[illegible]	[illegible]	H5				
GoBA7		39.6	16	[illegible]	[illegible]	H5				
SI5		48.4	16.8 F	[illegible]	[illegible]	H5				
SI6		48.4	16.8 M	[illegible]	[illegible]	H5				
JK2893		1591	29.9	31.2	[illegible]	H5				
LIN 40-1			49.7	-1.74	[illegible]	H5				
RIM33	BAK_13		49	12.2 F	[illegible]	H5				
ST8300c	STR_360		48.9	12.6 F	[illegible]	H5				
A 56			48.2	11.7 F	[illegible]	H5				
AE 1184			48.3	11.9 M?	[illegible]	H5				
AE 1185			48.3	11.9 F	[illegible]	H5				
Sakk112.5478			46.5	20.5 F	[illegible]	H5				
Sakk1311.5468			46.5	20.5 F	[illegible]	H5				
TUH 449			41.5	24	[illegible]	H5				
VK433	Gotland_Frojel-017B8		57.3	18.2 F	[illegible]	H5				
vlk_grim021	vlk_grim021		59.6	17.7 F	[illegible]	H5				
I7499	Sepulture 7 (no. SD19		37.8	-2.54 F	[illegible]	H5				
DA164	DA164		43.3	46.2 F	[illegible]	H5				
Radonil	44/66 (osobnik 1)		55.4	21.2 M	[illegible]	H5				
Rathaus205	KH130184		54.5	9.62 M	[illegible]	H5				
Rathaus70	KH130129		54.5	9.62 M	[illegible]	H5				
MS01	MW20B528		45.8	25.6 M?	[illegible]	H5				
HGH-1631			53.9	10.7 F	[illegible]	H5				
I5073	KG1		43.4	16.5 F	[illegible]	H5a				
KY13871.1	KY138381.1		48.8	25.9	[illegible]	H5a				

Object-ID	Colloquial-Skeletal	Lat(lun)	Long	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-tree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no-5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree-I Y-FTD YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
I8526		50.3	7.9	?	[illegible]	H3ae	[illegible]	[illegible]	H3ae	M3	H		2630; (yes) 75Miquel RomaNA											
I8526		50.3	14.4	F	[illegible]	H3af	[illegible]	[illegible]	H3af	M3	H													
I8526		50.3	14.4	F	[illegible]	H3af	[illegible]	[illegible]	H3af	M3	H		A8470G + G11 YFull											
I8526		48.2	10.8 F		[illegible]	H3ag	[illegible]	[illegible]	H3ag	M3	H													
I8526		41.8	13.4 F		[illegible]	H3am	[illegible]	[illegible]	H3am	M3	H													
I8526		41.3	2.53	?	[illegible]	H3an	[illegible]	[illegible]	H3an	M3	H		A16129G T16187C C16189T T16223C G16230A T16278C C16311T											
I8526		42.6	-2.62 F		81.1	0.27	H3an	[illegible]	H3an	M3	H			HaploGrep2										
I8526		51.5	-0.1 M		[illegible]	0.23	H3an	[illegible]	H3an*	M3	H		G251A	YFull										
I8526		51.5	11.5 F		[illegible]	0.97	H3an	[illegible]	H3an	M3	H		A16129G T16187C C16189T T16223C G16230A C1											
I8526		56.7

Object-ID	Colloquial-Skeletal	LetterLong	Sex	mtDNA-cons	FamilyDNA-haplogroup	mtDNA-Haplotree	mt-TF-tree	mt-TF-FDNA-mt-Haplotree	mt-Sim-6	HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree / Y-Haplotree	Y-FTD	YFull	Y-Yfu SOGG2019	FTDNA-Y-Haplotree	Y-Sym	Y-Symbol	Responsible-SN	SNPs	Autosomo Damage-R	Assessme	Kinship-Notes	Date	Method-Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
Sope_d		59.4	27.1	F7			H5a	H5a	H5	H			..																					SaagCarBrzu2017		4575-4350 calBP	-2552.5	-2625	-2400	25~35	Corded_Ware	Corded_Ware_Estonia	CWC_Estonia	Jalgera		Estonia
I7800	PP D	36.0	14.6	F	11.1		H5a1	H5a1	H5	H		3107d, 5453C, 6152C, 16519T	..																					Jeruzalski2020	Direct: 95.4%; ImEstAD,	2327-1930 calBCE (3	-1929	-1927	-1900		Sicily_EBA	Sicily_EBA	Italy_Sicily_EBA	Sicily, Contrada Pasima, Castelluzzura		Italy
RISE1248	grave 32C; ind 2	50.4	21.1	F			H5	H5	H5	H			Haplogrp 2.2, PhylcTree build 17																					Pfrengle2021	Context: Direct date(s)	from 2950-2800 BCE	-3275	-2950	-2800	adults(s)	Globular_Amphora_Zlota	Zlota-Kisaknice	Kisaknice, grave 32C		Poland	Kisaknice_GAC_SG_mother	Kisaknice, grave 32C		Poland
RISE1249	grave 32C; ind 3	50.4	21.1	U			H5	H5	H5	H			Haplogrp 2.2, PhylcTree build 17																					Pfrengle2021	Context: Direct date(s)	from 2950-2800 BCE	-3275	-2950	-2800	infans I (0	Globular_Amphora_Zlota	Zlota-Kisaknice	Poland_Kisaknice_GAC_SG_mother	Kisaknice, grave 32C		Poland
pom461		50.7	21.8		11		H5e1	H5e1	H5	H		A2630, A7500, A14380, C3287T, C4130T, C4146T, T4338C, A4790G, C4859T, A8860G, C8776T, G10994A, G11906A, C14227T, A15326G, C15833T	..																															sun. 1 AJP 89	Poland
pom510		50.9	21.4		15		H5e1	H5e1	H5	H		A2630, C4585T, A7500, A14380, T4338C, A4790G, A8860G, A15326G, C15833T, T16304C	..																															2, 5, ind 2	Poland
VLI210	VLI010 AE010.TF1.1	50.4	14.4	F			H5a1	H5a1	H5	H			..																					PapaSoKuh2021	MAMS-38472	4027±25 BP	-2547	-2618	-2475		Corded_Ware	Corded_Ware_Bohemia	Bohemia_Vinolesy_preClassical	Vinolesy_1423_Bohemia		Czech Republic
TI0002	TI0002-marginal	50.3	14.5	F			H5a1	H5a1	H5	H			..																					PapaSoKuh2021	MAMS-30787	3955±23 BP	-2521	-2571	-2470		Bell_Beaker	Bell Beaker Bohemia	Bohemia_Vinolesy_preClassical	Slice_5707, Bohemia		Czech Republic
Sope_r		59.4	27.1	F			H5a1	H5a1	H5	H			..																					SaagCarBrzu2017		4575-4350 calBP	-2552.5	-2625	-2400	25~35	Corded_Ware	Corded_Ware_Estonia	CWC_Estonia	Jalgera		Estonia
Sope	Sope	59.4	27.1	F			H5a1	H5a1	H5	H			..																					AllentoftNature2015		2575-2349 calBCE (4	-2462	-2575	-2349		Corded_Ware	Corded_Ware_Estonia	Estonia_CordedWare_SG_o1	Sope		Estonia
RISE50	grave	59.4	27.1	F			H5a1	H5a1	H5	H			..																					AllentoftNature2015		2575-2349 calBCE (4	-2462	-2575	-2349		Corded_Ware	Corded_Ware_Estonia	Corded_Ware_Estonia	Sope		Estonia
Sope1		59.3	27.9	F			H5a1	H5a1	H5	H			..																					MittnikNature2018		2575-2349 calBCE	-2462	-2575	-2349	18~39	Corded_Ware	Corded_Ware_Estonia	Corded_Ware_Estonia	Sope, Estonia	Sope1	Estonia
pom488		50	20.3		20		H5a1	H5a1	H5	H		A2630, C4567, A7500, A14380, T4338C, A4790G, A8860G, A15326G, C15833T, T16304C	..																					JuraxsMyPhylyNetHaplogr2021	Archaeological context	2700-2200 BC	-2450	-2700	-2200		Corded_Ware	Corded_Ware_Poland	Krajnice Wielkie 1	gr. 3		Poland
RISE55	RISE919	48.8	12.8	F	241		H5a1	H5a1	H5	H			HaplogroupZ based on phylotree#8 (mtDNA tree build 17 (accessed 18 February 2016)																					OlalaBeNature2018	Context: Archaeological	2500-2000 BCE	-2250	-2500	-2000	45	Bell_Beaker	Bell_Beaker_BKV B2	Bell_Beaker_BKV B2	Germany_BelBeaker_published		Germany
RI249	RISE917, grave 4	48.8	12.8	F	1120		H5a1	H5a1	H5	H			HaplogroupZ based on phylotree#8 (mtDNA tree build 17 (accessed 18 February 2016)																					OlalaBeNature2018	Context: Archaeological	Oc	2343-2141 calBCE (3	-2226	-2341	-2141	4-5	Bell_Beaker	Bell_Beaker_BKV B2	Bell_Beaker_BKV B2	Germany_BelBeaker_published		Germany
I4075	skeleton 243 Kr35.1	52.7	5.1	F	413		H5a1*	H5a1*	H5	H																								OlalaBeNature2018	Context: Archaeological	Oc	3127-3014 calBCE (3	-3020	-3127	-3013		Bell_Beaker	Bell_NetherlandsL_Tut	Bell_NetherlandsL_Tut	De Tuithoes, Oostvoorne	Noon Tut	The Netherlands
I5861	969, burgan 2, burial	52.8	60.5	F			H5a1	H5a1	H5	H			..																					NarasimhanPatterson6Science2018	Context: Direct dates on ind	2050-1700 BCE	-1875	-2050	-1700		Sintashta	Western_Steppe_MLBA	Russia_MLBA_Sintashta	Kamennyi Ambar 5 Cemetery		Russia
I4227	1953/18	47.8	8.87	F			H5a1	H5a1	H5	H			..																					FurtwanglerNature2018	Context: Archaeological	Oc	2136-1751 calBCE (3	-1841	-2036	-1751		CTU_Bell	Bell_Beaker_CTU	Germany_SouthernGermany_Singer	Singen (D)		Germany
I5019	Kyzyl mound 5	48.3	75.4	F	11.37		H5a1	H5a1	H5	H			..																					GnecchiRusconiSciAdv2021	14b-13b c. BCE, 13k	1432-1301 calBC	-1367	-1432	-1301		Taymola	Kyzyl_1350BCE	Kyzyl_1350BCE	Kyzyl mound 5		Kazakhstan
RISE499	SS05-5 Karasuk_Ayct1	51.9	88.6	F			H5a1	H5a1	H5	H			..																					AllentoftNature2015	Context: Archaeological	1400-900 BCE	-1150	-1400	-900	18~39	Karasuk	Karasuk	Russia_Karasuk_dRSE.SG	Bystrovka		Russia
ZGLK_M14k		38.3	85.3		216.11	0.8	H5a1	H5a1	H5	H														0.66									WangSiKuh2021		538-387 cal BCE	-462.5	-538	-387		Xinjiang_South_IA	SZGLK_IA		Zaghunitq (ZGLK), Qiemo County,		China
I6263	MYMS, MOMM_MYM	48.7	38.4	F	672	0.73	H5a1	H5a1	H5	H														0.024	0.055	PASS	n/a							BayanUlgii_Khovd	Context: Archaeological	Oc	2358-1730 calBCE (3	-2014	-2358	-1730		Pazyryk	Pazyryk	Bayan Ulgii aimag, Tsengel soum,	Tsagaan-Uul, Kh	Mongolia	
G1	Gajki 18 obs. 23234	52.8	18.4	F			H5a1	H5a1	H5	H		16129A, 16304C	..																					JuraxPuLoSNE2014		200 BC-100 AD	-50	-200	100		Germanic	Przeworsk culture	Przeworsk culture	Gajki (Greater Poland Province)		Poland
PCA0003	BS, UB, 267	52.6	16.8	F			H5a1	H5a1	H5	H			..																					SlolarekSoNep2018		~ BD-2610 AD	170	80	260	20-25	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	168.E6/		Poland
PCA0047	047b,lob. 287	52.6	16.8	F			H5a1	H5a1	H5	H			..																					SlolarekSoNep2018		~ BD-2610 AD	170	80	260	45-50	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	188.E6/7		Poland
PCA0044	obs. 442	52.6	16.8	F			H5a1	H5a1	H5	H			..																					SlolarekSoNep2018		~ BD-2610 AD	170	80	260	20-25	Germanic	Wielbark B2/C1	Wielbark_Kowalewko	Wielbark_Kowalewko	120.E6		Poland
K1	267	52.6	16.8	F			H5a1	H5a1	H5	H		16304C	..																					JuraxPuLoSNE2014		100-300 AD	200	100	300		Germanic	Wielbark culture	Wielbark culture	Kowalewko (Greater Poland Province)		Poland
R3	R ob. 724 (Krzew 80,050	52.6	18.7				H5a1	H5a1	H5	H		16151A, 16304C	..																					JuraxPuLoSNE2014		100 AD	200	150	250		Germanic	Wielbark culture	Wielbark culture	Rogowo (Krzyzowa and Pomerania Provinces)		Poland
R41	RMPR-41	41.7	12.3	F			H5a1	H5a1	H5	H						Haplogrp (v2.1.20)																		AntonioScience2019		1-400 CE	200	1	400		Italy_Imperial	Imperial Rome	Italy_Imperial.SG	Isola Sacra		SCR, 306; Isola Sacra/Italy
rhM2pan40		46.5	19.1				H5a1	H5a1	H5	H		2630 4587	1147	2630 4587	YFull																			MalikiNeo2021		2nd third 10th c. to	1000	966	1033		Hungarian	Early Hungarian (village cemetery)		Homokmegy-Szőlőhegy, Bács-Kiskun 10th-century villeHungary		
VK21	Russia_Ladoga_5680-	60	32.3	F	31.5	0.3	H5a1	H5a1	H5	H		2630 4587 7500 14380 4336C 4336C 4790G 8860G 15329A	Haplogrp, KlossBrandaletMurnMutat2011																					MargaryanNature2020		900-1200 CE	1050	900	1200		Viking	Viking Russia	Russia_Viking_o.SG	Ladoga	Ladoga	Russia
OL1	Lea(Ostek, 9/92	52.5	17.4				H5a1	H5a1	H5	H		16304C																						JuraxPuLoSNE2014		1000-1400 AD	1200	1000	1400		Poland_RBA	Medieval Polish		Ostrów Lednicki (Greater Poland Province)		Poland
LP543ml	EQ, MN359485.1	55.4	8.41				H5a1*	H5a1*	H5	H																								KlunkAmPhyAnthropol2019		1250 AD	1250	1225	1275		Denmark_MA	Denmark Early Medieval		Nordby	FHM3970	Denmark
G274	KH150889	55.4	10.4	F			H5a1*	H5a1*	H5	H																								KrauseFuyarAnCommun2018		1270-1536 AD (mixed	1403	1270	1536	25-30	Germanic	Germanic culture	Germanic culture	St. Jürgen		Denmark
ELW019		49	10.1	F			H5a1	H5a1	H5	H																								ImmeMaBloEsAn2021		1486-1,827 calAD	1557	1486	1627		CEU_EM	Germany Early Modern		Elhwangen		Germany
BM5	MH605032.1	42.4	25.6				H5a1a	H5a1a	H5	H		2630 3310C 4587 7215C 7500 14380																						MalloBuZhe2019	Early Bronze Age	2481-1	-2197	-2368		Early_Bronze_Age	Bulgaria_EBA		Bereketeka mogila		Bulgaria
I7281	PRHN_2	50	14.3	F	208		H5a1g	H5a1g	H5	H																								OlalaBeNature2018	Context: Archaeological	Oc	2340-2146 calBCE (3	-2244	-2340	-2146		Bell_Beaker	Bell_Beaker_Czech	Czech_BellBeaker	Prague 5 - Malá Ohrada		Czech Republic
Nyir-D4256.obj.5328		47.9	21.7	M		0.36	H5a1g1	H5a1g1	H5	H		16172C 16304C 16311C																						CubaGuiNat2018		30~ AD	50	30	100		Germanic	Germanic culture	Germanic culture	Hungary-Gimpaed		Hungary
ALA890	45.44, Locus 105, ind	36.2	36.4	F		0.43	H5a1j	H5a1j	H5	H		2630 4587 3101.1C 3106N 3107C 15700T 16569N																						SkourtanisGal2016		1610-1468 calBCE (3	-1517	-1610	-1468		Levant_North_MLBA	Alalah_MLBA	Alalah_MLBA	Turkey_Alalah_MLBA	Turkey_Alalah_MLBA	Turkey
rmS233A	MG182484	46.8	17.8				H5a1j	H5a1j	H5	H		16151A, 16304C																						LaCurTurAncient2019		560-400 AD	565	530	600		Germanic	Longobard migration	Longobard_Hungary	Szolád		Hungary
Radomir	64/66 (osobnik 1)	51.4	21.2	F		0.92	H5a1j	H5a1j	H5	H																								WissiAFPAN2020		XI–XII c.	1100	1000	1200	adultos (2	Poland_MA	Poland Middle Ages		Radom	Grave 27	Poland
QE6_MNJM55-15		43.6	93		130.485	0.32	I2a1*	I2a1*	H5	H														0.111										BergerAbi2017		163 BCE (9.7%) 128	51.5	-119	16		Xiongnu_East_LBA	Xiongnu_East	E_LBA		Yagnobi		China
ZGLK_M14L	-	38.3	85.3		153.451	0.74	H5a1j	H5a1j	H5	H														0.041										WangSiKuh2021		2488-1968 BP	-278	-538	-18		Xinjiang_South_IA	SZGLK_IA		Xinjiang_South_IA		China
ZGLK_M14B7	-	38.3	85.3		166.545	0.74	H5a1j	H5a1j	H5	H														0.03										WangSiKuh2021		2488-1968 BP	-278	-538	-18		Xinjiang_South_IA	SZGLK_IA		Zaghunitq (ZGLK), Qiemo County,		China
I8Eper55		48.1	21.7				H5a1n	H5a1n	H5	H		152C 263G 10310A		152C 263G 4769A																				MalkiBorNov2021		940-1075 AD	1008	940	1075		Magyar	Early Hungarian (village cemetery)		Ibrány-Eldobhatóm, Szabolcs-Sza 10th-century villeHungary		
LP1544ml		49.5	9.82				H5a1*	H5a1*	H5	H																								KlunkAmPhyAnthropol2019		1050 AD	1050	1000	1100		Viking	Viking Norway	Norway_Viking_SG	Tirup		Denmark
VR448	Norway_Hedmark-K9	40.8	10.9	F	112.7	0.37	H5a2a	H5a2a	H5	H		2630 4587 7500 14380 4336C 4790G 5439T 8860Y																						MargaryanNature2020		700-1100 CE	950	800	1100		Viking	Viking Norway	Norway_Viking_SG	Nor_South	Hedmark	Norway
R07-2	R07-2, 4448, KCS5400	51.5	11.5				H5a3	H5a3	H5	H		A16129G T1G73A C146T C152T C195TC15884A + G YFull																						Brotherton Nat Commun2013		2800-2200/2050 cal	-2462.5	-2800	-2050		Bell_Beaker	Bell Beaker culture	Brotherton3hmbach	Brotherton3hmbach		Germany
I8108	R076, R076, 4388, KC	51.5	11.5	F			H5a4*	H5a4*	H5	H		A16129G T1G167C C161BRT T162YG15188A + G YFull																						MathieseNature2015	L124Bk	2575-2207 calBCE (3	-2449	-2575	-2207		Bell_Beaker	BK_Germany_SKN	Germany_BellBeaker	Rothenschirmbach		Germany
AMN-OD_1		39.2	21			0.70	H5a3a	H5a3a	H5	H																								PapiniNA2018		470-30 BC	-220	-470	-30		Greece_Ancient	Corinthian		Ancient Ambracia		Greece
LRV 152	F306	40.8	16.3			0.62	H5a3a	H5a3a	H5	H																								Emery2017		1st-4th c. CE	250	1	400	18-19	Roman_Imp	Roman		Vagnari		Italy
AU19		46.2	18.7				H5a3a1	H5a3a1	H5	H																								SokolaniyPhagyProcRISeuLab2015		Balkans_N	-4900	-5020	-4780		Balkans_N	Sopot_MN		Alsónyék-elkerülő 2. lh.		Hungary
AU23		46.2	18.7				H5a3a1	H5a3a1	H5	H																								SokolaniyPhagyProcRISeuLab2015		Balkans_N	-4900	-5020	-4780		Balkans_N	Sopot_MN		Alsónyék-elkerülő 2. lh.		Hungary
Rom01108c		46	11.1				H5a4	H5a4	H5	H		16294T 16304C																						Grefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
Rom01114c		46	11.1	F			H5a4	H5a4	H5	H		16294T 16304C																						Grefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
Rom01112c		46	11.1	M			H5a4a	H5a4a	H5	H		16294T 16304C 16320T																						Grefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
Rom01113c		46	11.1				H5a4a	H5a4a	H5	H		16294T 16304C 16320T																						Grefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
Rom01118a		46	11.1				H5a4a	H5a4a	H5	H		16294T 16304C 16320T																						Grefen2020		2284-2136 calBCE	-2210	-2284	-2136		Italy_BA	Trentino EBA Polada A		Romagnano III		Italy
ARI_M_41		48.2	10.8	F			H5a4a1	H5a4a1	H5	H																								KlunkAmPhyAnthropol2019		1850-1700 calBCE (3	-1811	-1850	-1700	21-23	yes/CU_EBA	EBA Late Yamna	Germany_Lech_EBA	Gemeinlebarn – Gewerbegebiet AIT		Germany
LP157.ml	EZ, MN359562.1	55.4	8.41			0.49	H5a7	H5a7*	H5	H																								Grefen2020		1250 AD	1250	1225	1275		Denmark_MA	Denmark Early Medieval		Nordby	FHM3970	Denmark
I6465	I6465	52.6	19.7			0.57	H5a8	H5a8	H5	H																								PetrovaMaNature2018	Context: Direct date(s)	from 2625-2500 BCE	-2625	-2650	-2500		Corded_Ware	Corded_Ware_Poland	Poland_CWC_3.SG	Pikutkowo		Poland
NHP1	KY001894.1	50.1	20.1	U			H5	H5*	H5	H																								ChylekBiBMCEvoBiol2017		1800-1600 BC	-1700	-1800	-1600		Lengyel	Lengyel/Late Danubian cultures		Krakow Nowa Huta Piesslne, Little Poland		Poland
rhM2pan229		46.5	19.1			0.26	H5	H5	H5	H		2630 4587 9150C 10310A 15239T 16519T																						MalkiBorNov2021		1000 AD	1000	966	1033		Hungarian	Early Hungarian (village cemetery)		Homokmegy-Szőlőhegy		Hungary
I1297	MP17, Burial D10; ind	44	26.4	F			H5a	H5a	H5b	H																								MathieseNature2018	Direct (Warning UNPUBLISH	5791-5631 calBCE (9	-5694	-5791	-5631		Balkans_MP_Neolithic	Cris/Dudeşti_MN	Bulgaria_MalakPreslavets_N	Malak Preslavets		Bulgaria
I20n-7		51.7	11.5				H5b	H5b	H5b	H		A16129G T1G73A C146T C152T C195T A247G																						BrotherntonNat Commun2013		4582-4407 calBC 3a	-4494.5	-4582	-4407		LBK	Rössen culture	Rössen_EN	Oberwiederstedt 3, Schrammmühle		Germany
I3163	SD163	51.7	11.5				H5b	H5b	H5b	H																								LaskiLasarisiNiNature2015		4582-4407 calBCE	-4494.5	-4582	-4407		LBK	Rössen_EN	Rössen_EN	Oberwiederstedt 3, Schrammmühle		Germany
BM69	MN0050437.1	42.4	25.6			0.75	H5b	H5b	H5b	H		2630 3081 15466T 15928A																						MalloBuZhe2019	Early Bronze Age	2481-1	-2197	-2368		Early_Bronze_Age	Bulgaria_EBA		Bereketeka mogila		Bulgaria
LRV 149	F312	40.8	16.3			0.73	H5b	H5b	H5b	H																								Emery2017		1st-4th c. CE	250	1	400	18-19	Roman_Imp	South_Italy_IA		Vagnari		Italy
I3577	sepulturа 31	37.3	4.01	F	163	0.59	H5b	H5b	H5b	H																								OlalaBeNature2019		400-600 CE	500	400	600		Iberia_IMA	SE_Iberia_c.5-8CE	Spain_Visigoth_Granada	E Castillon, Montefrio, Granada, Andalusia		Spain
LD17mt	A2552.s2605, MR205f	55.9	9.86		221	0.61	H5b1*	H5b1*	H5b	H		A14497G + T YFull																						KlunkAmPhyAnthropol2019		1700 AD	1700	1675	1725		Denmark_MA	Denmark Late Medieval		Klosterkirken	HOM 1272	Denmark
ksp998	KB9932, KV877314.s1	46.7	28.8	F	1.92	0.93	H5b4*	H5b4*	H5b	H		A2630, T310C, C4567, A7500, A14380																						GnecchiSoAdv2018		1300-200 calBCE (226	-550	-355	-206		Scythian	Western Scythian	Moldova_Glinne_Scythian_SG	Glinne	Barrow 30, BuuerMoldova	Moldova
rhM2pan86		46.5	19.1			0.39	H5b	H5b*	H5b	H		2630 4587 146C 14407G																						MalkiBorNov2021		2nd third 10th c. to	1000	966	1033		Magyar	Early Hungarian (village cemetery)		Homokmegy-Szőlőhegy, Bács-Kiskı 10th-century villeHungary		
I2461	72832, S117	51.1	1.69	F	351.1	0.75	H5c	H5c	H5	H			HaploGrp2																					OlalaBeNature2018	Context: Direct date(s)	from 2100-1950 BCE	-2025	-2150	-1950		Beaker_CA_EBA	England_C_EBA	England_C_EBA	Parton Down, Wilton, England		Great Britain
I5364	25.221/2.48	51.5	4.21	F	6.4	0.75	H5c	H5c	H5	H																								OlalaBeNature2018	Context: Archaeological	1600-1300 BCE	-1400	-1600	-1300		Britain_MBA	Wales_MBA	Wales_MBA_contam	Wales, North Wales, Llandudno,	Great Ozme	Great Britain
ORD001	Ordona	41.3	15.6	F		0.75	H5c	H5c	H5	H																								Fernandez2017	Direct	216 ± 25 BP, 691-	1737.5	-651	-544		Apulia_IA	Apulia Iron Age (Daunians)	IAA	Ordona		Italy
B21_M5-6		37	79.9		104.032	0.14	H5c1	H5c1	H5	H																								AnsbaBoNov2021	Radiocarbon date	2433 ± 27 BP, 570 -	-488	-570	-406		Apulia_IA	Apulia Iron Age (Daunians)	IAA	Ordona		Italy
B21_M12-8		37	79.9		234.737	0.51	H5c	H5c*	H5	H														0.052									WangSiKuh2021		1529-1412 BP	479.5	421	538		Xinjiang_South_Hst	SBZI_HE		Bronze Age		China
VK383	Denmark_Hesselbjerg	56	10.2	F	9.5	0.34	H6	H6	H5	H														0.074									WangSiKuh2021		1529-1412 BP	479.5	421	538		Xinjiang_South_Hst	SBZI_HE		Bronze Age		China
ARI_B		48.2	10.8	F		0.42	H6	H6	H5	H																								KrauseFuyarAnCommun2018		200-400 CE	875	850	900		Germanic	Germanic culture	Germanic culture	Hedemarken, Vikingskipshuset		Norway
MS10577		39.2	8.48				H6a	H6a	H5	H																								MittnikSciences2019		early 5th c. BCE	-487	-500	-475		Phoenician	Phoenician		Monte Sirai Tomb 352		Sardinia
VPBpan57		46.7	17.3				H6a1a	H6a1a	H5	H		2630 4587 7500 14380 4769G 8041																						JuraxPuLoSNE2018		first half 10th c. AD	925	900	950		Viking	Viking Denmark	Denmark_Viking.SG	Ladby	Hesselbjerg	Denmark
Marta-Firefly710Lev25		46.7	19.7			0.35	H6a1a	H6a1a*	H5	H																								MalkiBorNov2021		900-1200 CE	950	900	1000		Magyar	Early Hungarian (village cemetery)		Martfu-Firefield, Hungary	Kaagjärden	Sweden
I8Eper264		48.1	21.7			0.32	H6a1a*	H6a1a*	H5	H		2630 4587	8860G	2630 4587	YFull																		MalkiBorNov2021		900-1200 CE	950	900	1000		Magyar	Early Hungarian (village cemetery)		Ibrány-Eldobhatóm, Szabolcs-Sza 10th-century villeHungary		
BM6	MH605033.1	42.4	25.6				H6a1a*	H6a1a*	H5	H		A2630, C4567, C7227, A7500, A14380, A4790G, A8860G, G13771A, A13434G, A15326G, C16294T, T16304C																		MalloBuZhe2019	Early Bronze Age	2481-1	-2197	-2368		Early_Bronze_Age	Bulgaria_EBA		Bereketeka mogila		Bulgaria
SSG_M15		47.4	85.9		393.653	0.18	A10	H7b*	H5	H		16294T 163 263G	4587 7227	7C227	YFull																		WangSiKuh2021		4237-4087 BP	-2212	-2287	-2137		Xinjiang_North_EBMA	NSSG_EMBA		Zhalanashkol		Kazakhstan
MB8034		48.1	21.7	M		0.34	H6a1	H6a1	H5	H		3004C	263G			A8343G + G1 YFull																		PapaSoKuh2021		Early Bronze Age	-2181.5	-2197	-2166		Bronze_Age	Bronze_Age_Steppe		Ibrány-Eldobhatóm, Szabolcs-Sza 10th-century villeHungary		
I12124	138, BARN-014	53.8	84.6	F		0.55	H7b	H7b	H5	H																								GnecchiRusconiSciAdv2021	14b-13c c. BCE, 13k	1432-1301 calBC	-1367	-1432	-1301		Taymola	Kyzyl_1350BCE	Kyzyl_1350BCE	Chumpich-Perekat-1		Russia
BR0291	Barsi 2013/5	49.3	85.8	F	714.39	0.39	H7b	H7b	H5	H																								GnecchiRusconiSciAdv2021	4th c.? c. BCE, 5k	1432-1301 calBC	-1367	-2468	-360	-175	Pazyryk	Pazyryk Barsi	Pazyryk_Barsi_50BCE	Barsi 2013/5		Russia
SMT5_M66		43.2	81.1		424.203	0.1	G2a2	H7b*	H5	H														0.054									WangSiKuh2021		382 BCE (25.9%) 341	-265	-326	-204		Xinjiang_West_IA	W_IA		Simutas (SMT5), Zhaosu County,		China
TUK39		47.8

Object-ID	Colloquial-Shelfmk	Lat(lon)	Long	Sex	mtDNA-Count	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree
Mok25a		246	45.9	20.4	7	0.53 H80	H80	Mtree H80	Mtree H=80
Mok14			45.9	20.4	7	0.53 H80	H80	Mtree H80	Mtree H=80
I20747; I20769	HUNG161; I20769	47.5	19.1	M	7	0.34 H82	H82	Mtree H82	Mtree H=82
B2H 14		51.8	10.9		7	0.52 H82a	H82a	Mtree H82a	Mtree H=82a
T-25		18.1	-66.6	U	7	0.18 H84 (quality: 61)	H84	Mtree H84	Mtree H=84
Magyarhomorog/12Jónás2		47	21.5	M	7	0.12 H	H84*	Mtree H84a	Mtree H=84a
POST_24	MF488692	48.3	10.9		7	0.55 H5+152	H86	Mtree H86	Mtree H=86
I10844	I3371, MN2090656.1	51.5	-0.07	M	7	0.08 H86	H86	Mtree H86	Mtree H=86
I10451	OnlinePaper1	42.6	25.4		7	0.68 H87	H87	Mtree H87	Mtree H=87
I10455	OnlinePaper1	42.6	25.4		7	0.68 H87	H87	Mtree H87	Mtree H=87
LH4H163	MG182458	47.6	16.8		7	0.2 H87	H87	Mtree H87	Mtree H=87
DE8 9	DE88, KC553884.1	51.9	12.1		7	0.97 H88	H88	Mtree H88	Mtree H=88
DSH 2	DSH2, KB628, KC553539	51.7	11.5		7	0.88 H89	H89	Mtree H89	Mtree H=89
Latsch_4461	Latsch 4461, KC554401	46.6	10.9		7	0.35 H90	H90	Mtree H90	Mtree H=90
BRC03/0108		45.5	11.6	F	7	0.37 H=142917	H=142917	Mtree H=142917	Mtree H=142917
DR0006a	Ordona	41.3	15.6	M	7	H=162027	H=162027	Mtree H=162027	Mtree H=162027
CLR05		43.7	4.24		7	0.22 H=162951	H=162951	Mtree H=162951	Mtree H=162951
MS10575		34.2	35.7		7	H54	H54	Mtree H54	Mtree H=54
PMS2ppar274		46.5	19.1		7	0.09 H=159951	H85*	Mtree H85*	Mtree H=159951
TU068	Hollola13, MN5404981	61	25.5		7	0.23 H85	H85	Mtree H85	Mtree H=269574485
TU661	Hollola7, MN5404907.1	61	25.5		7	0.21 H85	H85	Mtree H85	Mtree H=269574485
LP170ent	I2228, MN3595513.1	55.3	8.76		7	0.11 H18	H18*	Mtree H18	Mtree H=314336a4c018
LM2bent	I3427, MN3596961.1	51.5	-0.08	M	7	0.08 H18	H18*	Mtree H18	Mtree H=314336a4c018
AE3204	AE7_204	48.3	11.9	F	7	0.48 H18b	H18b	Mtree H18	Mtree H=314336a4c018b
HAL 11	HAL11_8201, KC553539	51.9	11		7	0.59 H	H=G16129A*	Mtree H=G16129A*	Mtree H=G16129A
Ko2	Ko8302, Ko8ind	50	15.2	F	7	0.54 H=16129	H=G16129A	Mtree H=G16129A	Mtree H=G16129A
I3592	Grave 8	48.9	12.5	F	7	233 0.36 H=16129	H=G16129A	Mtree H=G16129A	Mtree H=G16129A
MN2956	I3592/16	47.8	8.87		7	0.33 H=16129	H=G16129A	Mtree H=G16129A	Mtree H=G16129A
pool278		50	20.3		84	H17	H17	Mtree H17	Mtree H=G16294+H17
KO3086	KO3086.AD20.TF1.1	50	15.2	F		H17	H17	Mtree H17	Mtree H=G16294+H17
I8A		43.7	25.4		7	0.88 H17	H17	Mtree H17	Mtree H=G16294+H17
B121	RMPR-121	41.8	12.3	F	7	0.35 H17	H17	Mtree H17	Mtree H=G16294+H17
Betlem45		60	37.4		7	0.27 H177	H177	Mtree H177	Mtree H=G16294+H17
Betlem44		60	37.4		7	0.27 H177	H177	Mtree H177	Mtree H=G16294+H17
VK241	Farlar_13	61.9	-6.8 F		102.4 0.09 H17	H17	Mtree H17	Mtree H=G16294+H17
MR47	Farar 4	50.1	14.4 M		588 0.51 H17a	H17a	Mtree H17a	Mtree H=G16294+H17+A6174
I2GBm	A2713 v2865, MR2597	55.9	9.86			0.09 H17a	H17a*	Mtree H17a*	Mtree H=G16294+H17+A6174
VFBper561		46.7	17.3		7	0.57 H17a1	H17a1	Mtree H17a1	Mtree H=G16294+H17+A6174+A6174a1
BLA7	BH04/045	51.4	7.55			H27+A4330	H27	Mtree H27	Mtree H=G16294+H27
LG4Tent	I3622, MN2598679.1	51.5	-0.07	M	7	0.12 H27	H27	Mtree H27	Mtree H=G16294+H27
Nov4	Prince Cherkasky Sve	55.7	37.7	M		H27	H27	Mtree H27	Mtree H=G16294+H27
I10311b1	Ind 3	50.2	20.6	F	7	0.57 H27	H27+T16093	Mtree H27+T16093	Mtree H=G16294+H27+T16093C
I2BKR_85	MF488718.1	48.3	10.9		7	H27+T16093	H27+T16093	Mtree H27+T16093	Mtree H=G16294+H27+T16093C
I4779	KZ-6490D5, Karan L	48.7	77 F		280	H27+T16093	H27+T16093C	Mtree H27+T16093C	Mtree H=G16294+H27+T16093C
OTTM_97		48.2	10.8 M		7	H27+T16093	H27+T16093C	Mtree H27+T16093C	Mtree H=G16294+H27+T16093C
KIA8117.148		50.7	14.2		7	0.36 H27+T16093	H27+T16093C	Mtree H27+T16093C	Mtree H=G16294+H27+T16093C
TU649	Tuukkala13, MN5405	61.7	26.6		7	0.44 H27a	H27a	Mtree H27a	Mtree H=G16294+H27+T16093C+H27a
asm7	UPS-F2_Armenia, NS	40.1	44.1		7	H2+152	H2+152	Mtree H2	Mtree H=T152C!
EAR 11	KAR11b_10312, KC553	51.3	11.7		7	H	H	Mtree H	Mtree H=T152C!*
LM4bent	I4387, MN2597281.1	51.5	-0.08	M	7	0.13 H+152	H+152a1*	Mtree H+152a1*	Mtree H=T152C!
I3153	I3388A, 4304	41.5	2.14	F	10.4	0 pre-H103	H103*	Mtree H103*	Mtree H=T152C!+T16519C!
Ivka13	1225	45.9	20.4	F	7	0.88 H12	H12	Mtree H12	Mtree H=T152C!+k12
R35	RMPR-35	41.9	12.5	F	7	0.33 H32	H32	Mtree H32	Mtree H=T152C!+k32
I6124	I5017, RDE339, PD174	48.3	10.9 F		145 0.53 H46	H46	Mtree H46	Mtree H46	Mtree H=T152C!+k46
Fol-28		37.6	15.8		94.91 0.64 H46	H46	Mtree H46	Mtree H46	Mtree H=T152C!+k46
HU109		47.2	18.4 F		7 0.17 H46	H46	Mtree H46	Mtree H46	Mtree H=T152C!+k46
EAR 16		51.3	11.7		7	H46b	H46b	Mtree H46b	Mtree H=T152C!+k46+k46b
LCC53	A2524 v2499, MR2597	55.9	9.86		7	0.06 H46	H46*	Mtree H46*	Mtree H=T152C!+k46+k46*
LG12bent	I9519, MN2596660.1	51.5	-0.07	F	7	0.13 H2a1	H46*	Mtree H46*	Mtree H=T152C!+k46+k46*
I3769	Grave 6, MN3768511.1	43.2	25.9 F		323 0.15 H	H	H+T152C!*	Mtree H+T152C!	Mtree H=T152C!-C13153T
LRV 332	F131	40.8	16.3		7	0.11 H5+145	H5a1+T146C!	Mtree H5a1+T146C!	Mtree H=T146C!
I5123	Iceland_HOM111; Isak	65.7	-23.8 F		116.1 0.06 H+195	H5	H5	Mtree H5	Mtree H=T152C!
pool680		50.5	20.8 F		7 0.79 H11	H11	H11	Mtree H11	Mtree H=T152C!+k11
pool741		50.5	20.8 U		7 0.73 H11	H11	H11	Mtree H11	Mtree H=T152C!+k11
pool710		50.1	20 F		7 0.71 H11	H11	H11	Mtree H11	Mtree H=T152C!+k11
I3695		49.7	-1.74		7 0.46 H11	H11	H11	Mtree H11	Mtree H=T152C!+k11
EAY 1720		48.3	11.9 M?		7 0.33 H11	H11	H11	Mtree H11	Mtree H=T152C!+k11
BLA16	Ost/024	51.4	7.55		14.1	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
Sprelenbaoch-Moosweg15/4		47.4	8.38 F		7	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
Sprelenbaoch-Moosweg9		47.4	8.38 M		7	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
Sprelenbaoch-Moosweg4		47.4	8.38 M		7	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
BZH 1	BZH1_9403, KC554511	51.8	10.9		7	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
CL47	CO1007.AD201	45.1	7.58 F		13.57 0.36 H11a	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
LCC53	MG182513	45.1	7.59		7 0.36 H11a	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
LCC54	MG182511	45.1	7.59		7 0.36 H11a	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
LCC5.70	MG182516	45.1	7.59		7 0.36 H11a	H11a	H11a	Mtree H11a	Mtree H=T152C!+k11+k11a
VFBper661		46.7	17.3		7 0.28 H11a	H11a	H11a*	Mtree H11a*	Mtree H=T152C!+k11+k11a*
LM52mt	7383, MN3597172.1	55.1	-0.08 M		7 0.28 H11a	H11a	H11a*	Mtree H11a*	Mtree H=T152C!+k11+k11a*
LH5E79	MG182501	46.8	17.8		7 0.29 H11a	H11a	H11a*	Mtree H11a*	Mtree H=T152C!+k11+k11a*
I2A35	Lithuanian I 211_40	40.5	44.9 F		7 0.21 H11a+146	H11a1+T146C!	Mtree H11a1+T146C!	Mtree H=T146C!	Mtree H=T152C!-C13153T
LRV 332	F131	40.8	16.3		7 0.11 H11a1+146	H11a1+T146C!	Mtree H11a1+T146C!	Mtree H=T146C!	Mtree H=T146C!
I5123	Iceland_HOM111; Isak	65.7	-23.8 F		116.1 0.06 H+195	H5	H5	Mtree H5	Mtree H=T152C!
ESZ03	Eleke Sary n/4	49.5	77.8 F		57.79 0.49 H11a1	H11a1	H11a1	Mtree H11a1	Mtree H=T152C!+k11+k11a1
BRE032	Beral_2018_1GBA	49.3	85.8 F		473.51 0.79 H11a1	H11a1	H11a1	Mtree H11a1	Mtree H=T152C!+k11+k11a1
Karos2/19		48.3	21.7 F		7 0.79 H11a1	H11a1	H11a1	Mtree H11a1	Mtree H=T152C!+k11+k11a1
TU641	Tuukkala4,MN5405216	61.7	26.6		7 0.48 H11a1	H11a1	H11a1	Mtree H11a1	Mtree H=T152C!+k11+k11a1
LP219ent	G34, MN2595331	54.8	11.5		7 0.16 H11a	H11a1b	H11a1b*	Mtree H11a1b*	Mtree H=T152C!+k11+k11a1b*
I3924Bb	I3T4_248	48.3	12.9 F		7 0.19 H2b	H11a2*	H11a2*	Mtree H11a2*	Mtree H=T152C!+k11+k11a1b+k11a2
LEI8ent	BOT5, MN3596251.1	51.5	-0.07 F		7 0.22 H11a2	H11a2*	H11a2*	Mtree H11a2*	Mtree H=T152C!+k11+k11a1b+k11a2
LF16bent	AV, MN3595051.1	55.4	6.41		7 0.26 H11a2a	H11a2a	H11a2a*	Mtree H11a2a*	Mtree H=T152C!+k11+k11a1b+k11a2+k11a2a
LG6bent	I3601, MN3595671.1	51.5	-0.07 U		0.79 H11a2a2	H11a2a2*	H11a2a2*	Mtree H11a2a2*	Mtree H=T152C!+k11+k11a1b+k11a2+k11a2a2
MPper137		47	21.6		7 0.11 H11a2	H11a2*	H11a2*	Mtree H11a2*	Mtree H=T152C!+k11+k11a1b+k11a2
MX35F	Individuum 8	47.3	8.22		7	H11a+152	H11a+T152C!	Mtree H11a+T152C!	Mtree H=T152C!+k11+k11a1b+k11a2+146+152
pool827		47	21.6		7	0.18 H	H11a7	Mtree H11a7	Mtree H=T152C!+k11+k11a1b+k11a2+k11a7
pool822		50.5	20.8 F		7	H11b	H11b	Mtree H11b	Mtree H=T152C!+k11+k11b
pool651		50.5	20.8 M		7	H11b	H11b	Mtree H11b	Mtree H=T152C!+k11+k11b
pool655		50.5	20.8 M		7	H11b	H11b	Mtree H11b	Mtree H=T152C!+k11+k11b
pool684		50.5	20.8 F		7	H11b	H11b	Mtree H11b	Mtree H=T152C!+k11+k11b
NG-13		107	50.2 35.3 F		7	H11b1	H11b1	Mtree H11b1	Mtree H=T152C!+k11+k11b+k11b1
Urper200		47.2	21.2		7 0.29 H11b1	H11b1*	H11b1*	Mtree H11b1*	Mtree H=T152C!+k11+k11b+k11b1*
Mummy129 (2/4)		47.8	19.1		7 0.02 H12	H12	H12	Mtree H12	Mtree H=T152C!+k12
I2GLA	Hamina3, MN5405959	60.6	27.2		7 0.09 H12a	H12a	H12a	Mtree H12a	Mtree H=T152C!+k12+k12a
I8897	R49	30.2	79.7		476 0.08 H12a	H12a	H12a	Mtree H12a	Mtree H=T152C!+k12+k12a
CH9DD4	AT-105	50	92.1 F		7 0.48 H91	H91	H91	Mtree H91	Mtree H=T152C!+k91
I6226	AT_105, Grave #95, B	50	92.1 F		431 0.47 H91	H91	H91	Mtree H91	Mtree H=T152C!+k91
JK2974	1650	29.9	31.2		7 0.18 H	H	H-T195C!-T1462C!	Mtree H=T195C!-T1462C!	Mtree H=T152C!-T1462C!-T16519C!
Fol-29		37.6	15.8		94.91 0.16 H+195-146	H	H-T195C!-T1462C!	Mtree H=T195C!-T1462C!	Mtree H=T152C!-T1462C!-T16519C!
AYT26		49.4	105 F		7 0.71 H8	H8	Mtree H8	Mtree H=T195C!+T1462C!+k8	Mtree H=T152C!+T1462C!+k8
A 119		48.2	11.7 F		7 0.45 H8	H8	Mtree H8	Mtree H=T195C!+T1462C!+k8	Mtree H=T152C!+T1462C!+k8
A 118		48.2	11.7 U		7 0.45 H8	H8	Mtree H8	Mtree H=T195C!+T1462C!+k8	Mtree H=T152C!+T1462C!+k8
A 120		48.2	11.7 F		7 0.45 H8	H8	Mtree H8	Mtree H=T195C!+T1462C!+k8	Mtree H=T152C!+T1462C!+k8
Szeg5172.4218		46.6	20.2 F		7 0.42 H8	H8	Mtree H8	Mtree H=T195C!+T1462C!+k8	Mtree H=T152C!+T1462C!+k8

mt-Sin-to-S-HVS-1	HVS-II	HVS-IIG	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree / Y-Haplotree1	Y-FTD YFull	Y-Yfu SOGO2019	FTDNA-Y-Haplotree
H80 H															
H80 H															
H82 H															
H82a H															
H84 H															
H84a H															
H86 H	1809C														
H86 H															
H87 H															
H87 H															
H88 H															
H89 H															
H90 H															
H-C16291T H															
H-A															
H-C16291T

Object-ID	Colloquial-Sheltal	Lat|lon	Length	Sex	mtDNA-c.rel	FamID	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT.mtree	mt-YF.FTDNA-mt-Haplotree	mt-SH.mt-5.HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu	ISOGG2019	FTDNA-Y-Haplotree
Bra37		49.1	8.55		0.29	.fbc	.fbc																							
HRT005	H250 S169	38.4	38.4	..	0.28	.fbc	.fbc																							
Neolithic 8		41.6	2.32		0.26	.fbc	.fbc																							
Neolithic 14		41.6	2.32		0.26	.fbc	.fbc																							
SAL2 84		51.5	11.9		0.26	.fbc	.fbc																							
SAL2 74		51.5	11.9		0.26	.fbc	.fbc																							
SAL2 54		51.5	11.9		0.26	.fbc	.fbc																							
SAL2 88		51.5	11.9		0.26	.fbc	.fbc																							
I0554	S0554	51.5	11.8		0.26	.fbc	.fbc																							
pos339		50.3	20.4			45	.fbc																							
pos475		50.3	20.4			3	.fbc																							
I414	1960-1/10	52.5	12.8		0.25		.fbc																							
I14003	I14003	49.6	27.7	?	0.24	.fbc	.fbc																							
Sperrebusch-Mooseweg1		47.4	8.38 M		0.22	.fbc	.fbc																							
Sperrebusch-Mooseweg1&13		47.4	8.38 F		0.22	.fbc	.fbc																							
KAR 24		51.3	11.7		0.22	.fbc	.fbc																							
UNTA58_685c2	UNTA58_685c2, 685rc	48.3	10.9 F		0.22	.f1c	.f1c*																							
Rom0035a		46	11.1		0.21	.f1c	.f1c																							
Rom0185		46	11.1		0.21	.f1c	.f1c																							
BNL005	BNL005.A0101.TP1.1	50.2	14.6 F			.f1c	.f1c																							
Nogi075		46	11.5		0.2	.f1c	.f1c																							
KN0301	KN0301.B0101.TP1.1	50.1	14.3 F			.f1c	.f1c																							
BNL008	BNL008.B0101.TP1.1	50.2	14.6 F			.f1c	.f1c																							
Mok23		228	45.9	20.4 F		0.2	.f1c																							
Mok33		302	45.9	20.4 F		0.2	.f1c																							
MA2409	S35 9508J3, North_Se	39.3	33.8		0.19	.f1c	.f1c																							
R1544	RMP8-1544	42.2	12.3 F		0.09	.f1c	.f1c																							
LH12H5	MS182495	46.8	17.8		0.07	.f1c	.f1c																							
DA205	Butakby 1, grave 32	43.2	77.7		0.05	.f1c	.f1c																							
VK19	Russia_Ladoga_5757-	60	32.3 F		120.3	0.05	.f1c																							
SA2000 LA164		37.7	30.5		0.04	.f1c	.f1c																							
G208	KH150864 PB	55.4	10.4 M		0.03	.f1c	.f1c																							
I2745	CIS10B>	47.2	19.9 F		808	0.37	.f1c1																							
Pal7	Pal7	39.8	22 Y			33	.f1c1																							
pos503	ATP14-545	42.4	3.52 M		0.27	.f1c1	.f1c1																							
KH150195_KH150197/I2152/I12B>		50.3	7.9 U		0.27	.f1c1	.f1c1																							
TUC002	TUC002.A0101.TP1.1	50.1	14.3 F			.f1c1	.f1c1																							
I1861	I.m1.B101.S0	42.6	-2.57 F		162	0.26	.f1c1																							
I1280	MR17	42.3	-3.5 F		563	0.24	.f1c1																							
GB0F5	GB0F5.45g2_AMS_2	49.1	3.06			23	.f1c1/1c																							
CM98		39.1	-9.24 F			23	.f1c1																							
P77		43.8	4.03 F			12	.f1c1																							
I5717	LIY 142-7	42.6	2.59 F		0.12	.f1c1	.f1c1																							
LP4Dmt	R12071_MND5954/L>	35.3	8.76		0.03	.f1c1	.f1c1*								T339K • T4819Yull															
DM03	Derrynamanagh03	53.3	8.55 F		0.29	.f1c4	.f1c4																							
BW2	Ballynaveane02	54.5	-8.24 F		0.25	.f1c4	.f1c4																							
I4972	TIO03a	47.6	20.7 F		50.6	0.51	.f1c19																							
GR0015	GR0015.2158	48	3.56 F			0.43	.f1c19																							
BER49		43.1	2.25			0.42	.f1c19																							
BER0157-2	BER0157-2	43.2	2.41 F		144	0.4	.f1c19																							
FA01		43.2	2.4			0.32	.f1c19																							
CzeuMoravia98	CM98	38.7	-0.22 F			0.28	.f1c19																							
pos667		50.5	20.8 M			0.23	.f1c19																							
pos671		50.5	20.8 F			23	.f1c19																							
I12171	S-EVA17201, ROD.03/	37.5	-5.98 F			0.17	.f1c19																							
CMC1		48.7	4.73			0.46	.f1c19																							
BERG157-8		43.2	2.41			0.4	.f1c19																							
VAC4555-1		48.6	3.61			0.38	.f1c19																							
VAC4555-1		48.6	3.61			0.36	.f1c19																							
PT2	PT2	43.8	4.03 F		119	0.36	.f1c19																							
I5139	I5139	51.4	11.7 F		195	0.3	.f1c19/1a																							
VCO001		57.9	40.3 F			29	.f1c19/1b																							
UNTA85_130	MF4808581	48.3	10.9			0.28	.f1c19/1b																							
VUS045	VUS045.B0101.TP1.1	50.4	14.4 F				.f1c19/1b																							
V6441	Gotland_Frogel-I32240	57.3	18.2 F		25.4	0.07	.f1c19/1b																							
V6442	Gotland_Kopparvik-I	57.6	18.3 F		17.9	0.07	.f1c19/1b																							
NW205		57.5	39.7 F			3	.f1c19/1c1																							
BOU002		57.7	36.6 F			3	.f1c19/1c1																							
LE137mt	6499, MK039641.1	51.5	-0.07 F			0.12	.f1c18																							
I2051	KH150903	55.4	10.4 M			0.11	.f1c18																							
G352	KH150905	55.4	10.4 M			0.2	.f1c1g1																							
Vdra353.5638		46.7	17.3 F			0.2	.f1c1h																							
Vdra352.5648		46.7	17.3 M			0.2	.f1c1h																							
I2Ebnt	A2169 v200.1_MN05	55.9	9.86			0.01	.f1c1i																							
AE01155b	AED_1135	48.3	13.9 F			0.09	.f1c10																							
MA2213	G-137, the well of Sag	38.6	34.3			0.26	.f1c10b																							
PEY53	PEY53	43.3	3.48 F		59	0.83	.f1c11a																							
C58-1	MH298071.1	44.5	28.1			0.06	.f1c10																							
BO002	SK 528	41.6	35.9 F			0.63	.f1c16																							
Aap3		48.6	16.5 F			0.38	.f1c17																							
KN188	gr. 44/262	48.8	9.18 F			0.38	.f1c17																							
I0056	UNS54	51.7	11.5 F			0.38	.f1c17																							
AM4	MH605525.1	42.6	26.4			0.22	.f1c/																							
Klem1	Klemhusker-a	48.7	16.6 F			0.21	.f1c2																							
VEG12		46	18.5			0.37	.f1c2																							
Ser8		51.3	11.7			0.37	.f1c2																							
KO61		48.5	7.47			0.34	.f1c2																							
RO562		48.5	7.47			0.34	.f1c2																							
I14175	I14175	50.1	14.2 F				.f1c2																							
KH150640	NT88	50.7	21.4 F			0.27	.f1c2																							
pos383		50.2	20.2		5		.f1c2																							
I5132	DZW5/X13.12	52.2	-1.76 F		82.4	0.22	.f1c2																							
Ion534	MS5/MT31.5, CA 220	58.2	13.6 F		9.12926	0.2	.f1c2 (0.8497)																							
pos555		50.8	23.8 M			0.17	.f1c2																							
S2		48.4	16.8 M			0.15	.f1c2																							
SC9D02	Sc2, KX977303.1	49	33.2 M?			0.15	.f1c2																							
VFBpen542		46.7	17.3			0.15	.f1c2																							
Karos237		48.3	21.7 U			0.15	.f1c2																							
SA1995 AG333		37.7	30.5			0.04	.f1c2																							
SA1995 AG3314		37.7	30.5			0.04	.f1c2																							
SA1999 LA21		37.7	30.5			0.04	.f1c2																							
G208	KH150865	55.4	10.4 M			0.03	.f1c2																							
JK1943	Poroom, MN540540.	60.4	25.7			0.02	.f1c2																							
JK1937	Remkul, MN540540.1	60.9	24.3			0.02	.f1c2																							
LM101mt	31392, MK059685.1	51.5	-0.08 U			0.15	.f1c2a3																							
I6079	R4011	45.5	17.6 F		324	0.28	.f1c2f																							
KO119	HUN6850, 10 (12.8M)	47.8	20.9 F		258	0.27	.f1c2f																							
LN07mt	KH150944	55.5	-0.1 F			0.21	.f1c2h5																							
G472	KH150942	55.4	10.4 F			0.17	.f1c2h5																							
LM09mt	Tsaakhaka14, MN04051	61.7	26.6			0.04	.f1c2h5																							
TU590	Turkut, MN540555.1	60.5	22.3			0.02	.f1c2h5																							
KDC B		51.2	12.1			0.2	.f1c2k																							

Y-Sym	Y-Symbol	Responsible-SN	SNPs	Autosomo Damage-R	Assessme	Kinship-Notes	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
							ca. 4400-3600 BC	-3850	-4400	-3600		CTU_LN	Michelsberg Culture	Germany_LN	Bruchsal-Aue		Germany
			18341	0.78296	0.02	QUESTIONIN	n/a/a	3700	-3772	-3646		Anatolia_East_LC	Aşıklı Höyük	Anatolia_LC	Arslantepe_LateC	Arslantepe	Turkey
							Sauerbrunnen/Gal2020	3700	-3772	-3646		Anatolia_East_LC	Arslantepe_LC	Turkey_Arslantepe_LateC	Malatya Province		Turkey
							SampletroPrcSocLondB2007	3500-3000 cal BC	3.14	-3500	-3000		Iberia_N	North East Iberia Late Neolithic	Iberia_N	Camí de Can Grau, Granollers, Barcelona		Spain
							SampletroPrcSocLondB2007	3500-3000 cal BC	3.14	-3500	-3000		Iberia_N	North East Iberia Late Neolithic	Iberia_N	Camí de Can Grau, Granollers, Barcelona		Spain
							BrandClemens2013	3400-3102/3025 cal	-3231.5	-3400	-3025		CTU_MN	Salzmünde culture		Salzmünde-Schiepzig		Germany
							BrandClemens2013	3400-3102/3025 cal	-3231.5	-3400	-3025		CTU_MN	Salzmünde culture		Salzmünde-Schiepzig		Germany
							BrandClemens2013	3400-3102/3025 cal	-3231.5	-3400	-3025		CTU_MN	Salzmünde culture		Salzmünde-Schiepzig		Germany
							BrandClemens2013	3237-3171 calBC	-3204	-3237	-3171		CTU_MN	Salzmünde culture		Salzmünde-Schiepzig		Germany
							HaakLazaridisNature2015	3237-3171 calBC	-3204	-3237	-3171		CTU_MN	Salzmünde_MN	Salzmünde_MN	Salzmünde-Schiepzig		Germany
							JuraxAmPhyAnthropol2021	3500-2900 BC	-3200	-3500	-2900		CTU_MN	Funnel Beaker		Branoncice 14	gr. 13, ind. 16	Poland
							JuraxAmPhyAnthropol2021	3500-2900 BC	-3200	-3500	-2900		CTU_MN	Funnel Beaker		Branoncice 14	gr. 13, ind. 14	Poland
							Schulz2013	3008 calBC	-3008	-3008	-2908		CTU_LN	Germany Late Neolithic		Kelzin		Germany
			8107.2	4.635 ..	PASS	n/a	MathiesonNature2018	Direct: 95.4%; inCal2020	-2931-2703 calBCE (3	-2831	-2901	-2703	Globular_Amphora	Globular_Amphora_Ukraine	Ukraine_Globular_Amphora	Ryabka	..	Ukraine
							WernberghArchaeoSchwarz2012	2500 BC	-2500	-2500	-2500	CTU_MN	Corded Ware	Corded_Ware_Switzerland		Sperrebusch-Mooseweg		Switzerland
							WernberghArchaeoSchwarz2012	2500 BC	-2500	-2700	-2300		Corded Ware	Corded_Ware_Switzerland		Sperrebusch-Mooseweg		Switzerland
							BrandClemens2013	3020-2200/2050 cal	-2612.5	-3800	-2050		Corded Ware	Corded Ware?		Karsdorf		Germany
			184331	0.18348 ..	PASS (Dire	n/a/a	MittnikScience2019	Direct: 95.4%; inCal2020	-2468-2305 calBCE (2	-2397	-2468	-2305	> 21 year	Bell_Beaker	Bell Beaker Lech Valley	Germany_Lech_BellBeaker	Haunstetten – Unterer Talweg	TUNTA58	Germany
							Grefen2020	2284-2136 calBCE		-2210	-2284	-2136	Italy_BA	Bronzo Pieno	Italy		Trentino EBA Polada A		Italy
							Grefen2020	2284-2136 calBCE		-2210	-2284	-2136	Italy_BA	Bronzo Pieno	Italy		Trentino EBA Polada A		Italy
			7350.60				PapaSoiKoAn2021	MAMS-30772		2189-2139	-2122	-2204	-2039	Unetice	Únětice Bohemia	Bohemia_Unetice_Classical	Brandýs nad Labem_76-1, Bohemia		Czech Republic
							Grefen2020				-2100	-2200	-1750	Italy_BA	Trentino Bronze Age		Nogarole III		Italy
			7350.46				PapaSoiKoAn2021	MAMS-30772			-2100	-2200	-1750	Italy_BA	Únětice Bohemia	excluded (kinship)	Knělevsy_223, Bohemia		Czech Republic
			7276.1				PapaSoiKoAn2021	MAMS-30778		3615±28 BP	-1965	-2033	-1897	Unetice	Únětice Bohemia	Bohemia_Unetice_preClassical	Brandýs nad Labem_690-1, Bohemia		Czech Republic
			2.1.1			mother of 260	Zegarac&Sredojevic2021	2134-1737 BC	-1936	-2134	-1737	35-50	Balkans_EBA	Maros		Belotić-Bibina		Serbia
			2.1.1				Zegarac&Sredojevic2021	2134-1737 BC	-1936	-2134	-1737	20-35	Balkans_EBA	Maros		Belotić-Bibina		Serbia
			5.2.1	0.68155 ..	PASS (literature	n/a	Damgaard&Sciences2018	2500-2300 BCE	-2450	-2500	-2300	14-17	Anatolia_BA	Old Hittite	Turkey_MLBA.SG	Kalashyuh		Turkey
			7.1.1	0.99093 ..	PASS (Dire	n/a/a	AntonioScience2019	1-400 CE	200	1	400		Italy_Imperial	Imperial Rome	Italy_Imperial.SG	Maciano Romano	Maciano Romanitaly	Italy
			6.1.1				GoldbergerGenome2019	530-600 AD	565	530	600		Germanic	Longobard Migration	Longobard_Migration	Solölö		Germany
			8.4.1.5	0.605 ..	PASS (literature	Kazakhstan, Tian Shan, G	Damgaard&Nature2018	800-1100 CE	950	800	1100		Kazakhstan_Med	Kazakhstan	Kazakhstan_Karakhanid_a_daughter	Central steppe		Kazakhstan
			2.1.1	0.61 ..	PASS (literature		MargaryanNature2020	900-1200 CE	1050	900	1200	Viking	Viking Russia	Russia_Viking.SG	Ladoga	Ladoga		Russia
							OttoniEurUrbanGenet2011	11th-13th c. AD	1150	1000	1300	Byzantine	Byzantine	Mid-Byzantine period SW Anatolia	Sagalassos	Lower Agora	Turkey	
							KrauseEpuraNatCommun2018	1270-1530 AD (med	1403	1270	1536.20-25	Nordic_NA	Denmark medieval		St. Jürgen		Denmark	
			197563	0.191	0.08	PASS	LipsonNature2017	Contest: Archaeological	5300-4900 BCE	-5100	-5300	-4900	Afloñé_linear_Pottery	ALPc_Szakalhát_MN	Hungary_MN_ALPc_Szakalhát	Cegléd, sírlo 4/3		Hungary
			2.1.1	1.325	PASS (literature	n/a/a	Hofmanova&PNAS2016	Direct: 95.4%; inCal2020	5470-4949 cal BCE (3	-4939	-5470	-4949	Greek_N	Northern_Greece_Late_Neolithic	Greece_LN_2.SG	Palamarás		Greece
							Valdiosera&PNAS2018		5572-5319 calBP (4	-3445.5	-5622	-3369	Iberia_CA	pre-Bell Beaker Chalcolithic	Iberia_CA	El Portalón, Atapuerca	North Spain	Spain
							Immel&Immel&sci2021	1800-1200 cal BCE	-1250	-1300	-1200	20-40	CTU_LN	Wartberg culture	Germany_LN	Niederfischbach		Germany
			2.1.1				Papas&Jo&Kon2021	MAMS-30752		4378±22 BP	-3001	-3085	-2916	CTU_N	Ronáč	Neolithic	Tschonnčice_645.2, Bohemia		Czech Republic
			11727	0.113	0.1	PASS	Olalde&Nature2019	Contest: Archaeological	2351-2013 calBCE (3	-2941	-3013	-2889	Iberia_CA	North Iberia CA	Iberia_CA	Atio de la Hoguera, Lagunilla, Arabia/Alava, Basq	Spain_C	Spain
			202133	0.2	0.11	PASS	Olalde&Science2019	Contest: Layer Dates of 2	2900-2300 BCE	-2600	-2900	-2300	Iberia_CA	C_Iberia_CA	Spain_C	El Mirador Cave, Atapuerca, Burgos, Castilla y LeÓpan		Spain
							SeguroArrando&ScienBioC2021	2574 calBC (2574-24	-2525	-2574	-2473		France_LN_Beaker	Versac culture (Bell Beaker period)	France_LN_Beaker	Grotte Bizot de la Vigne Parde		France
							MartinandPLoS&CNE2017			2621-2210 cal BC (28	-2415	-2621	-2210	Iberia_LN	SW Iberia Late Neolithic/Chalcolithic/Iberia_LNCH		Cova da Moura		Portugal
			173666				Fischer2019			420-400 calBC	-425	-450	-400	France_LN	"La Tène"		Gaulhan	Oppidum du Plan-Fanc	France
			124471	0.11501 ..	PASS	n/a/a	Olalde&Science2019	Contest: Archaeological	400-300 BCE		-350	-400	-300	Iberia_LN	Celtiberian	Spain_IA_Celt_o	La Hoya, Laguardia, Araba/Alava, Basque Country		Spain
							KlunkAmPhyAnthropol2019	1450 AD	1450	1425	1475		Denmark_MA	Denmark Late Medieval		Ribe Lindegården		Denmark
							Cassidy2017	200-700 AD	450	350	700		Ireland_LIA	Ireland LIA		Derrynamaggh, Galway	Fits and stone-lintel-land	Ireland
			9103	0.009	0.1	PASS (literature	Cassidy2017	604-658 cal AD	633	604	658		Ireland_LIA	Ireland LIA		Ballynaveane.d, Ballyshannon, D Slab-lined long-c	Ireland	Ireland
			9103	0.009	0.1	PASS (literature	LipsonNature2017	Contest: Archaeological	6000-5500 BCE	-5750	-6000	-5500	Balkans_EN	Kõrös Early Neolithic	Hungary_EN_Körös_o_k	Tiszaug/Bibó-Domaháza		Hungary
			2.2.1	2.16067	0.08865	PASS (literature	France, Vienne, Gurgy "les	5000-4800 BCE	-4900	-5000	-4800	France_MN	France_MN_GRC1	France_MN	Gurgy "les Noisats"	Vienne, France		France
							Brunel&PNAS2020			4340-4180 calBC	-4260	-4340	-4180	France_MN2	Chasséen ancien		Barriac	Les Plots	France
			2868314	0.28137 ..	PASS (literature		Brunel&PNAS2020			4000-3900 BCE	-4000	-4100	-3900	France_MN2	BORS-Alföldvárog		Berghem	Saulager	France
							Brunel&PNAS2020			2911-2705 calBCE	-2808	-2911	-2705	France_LN	Nolédhroque final 2 (Vérazien classique)		Pépinaux	Dolmen des Fadet	France
			1889529	2.70824 ..	PASS (Direct	Portugal, Cova da Moura	OlalaDelaCueva2019	Direct: Direct date(s)	2500-2300 BCE	-2500	-2500	-2300	Iberia_CA	Bell Beaker Portugal	Portugal_LN_C.SG	Cova da Moura, Torres Vedras, Lisboa		Portugal
							JuraxAmPhyAnthropol2020		1616-1448 cal BC	-1532	-1616	-1448 40-50	Poland_MLBA	Trzciniec circle		Zarnki Górne 1	grave 69/140	Poland
							JuraxAmPhyAnthropol2020		1517-1414 cal BC	-1465.5	-1614	-1414 7-14	Poland_MLBA	Trzciniec circle		Zarnki Górne 1	grave 69/138	Poland
Miquel Roman		84738	0.07684	0.1795	PASS	n/a/a	Olalde&Science2019	Contest: Archaeological	700-500 BCE	-600	-700	-500	Iberia_IA	Tartessian	Spain_IA_Tartessian_published	La Angorrilla, Alcalá del Río, Sevilla, Andalucía		Spain
							Brunel&PNAS2020			1530-1450 cal BC	-1490	-1530	-1450	France_EBA	LBK		Oroanton	Les Noues	France
							Brunel&PNAS2020			4300-3900 calBC	-4100	-4300	-3900	France_MN2	BORS-Alföldvárog		Berghem	Saulager	France
							Brunel&PNAS2020				-3488.5	-3600	-3376	France_MN2	Neyen		La Villeneuve-au-Chatelet	Pré Chevalier	France
							Brunel&PNAS2020				-3488.5	-3626	-3351	France_MN2	Neyen		La Villeneuve-au-Chatelet	Pré Chevalier	France
			112787	0.10088 ..	PASS (literature	n/a/a	Fischer&Nature2020	Contest: Warning LAYER	2400-350 BCE	-375	-425	-350	Gallhan	"La Tène"	France_Occitanie_IA2.SG	Gaulhan	Oppidum du Plan-Fanc	France
			138220	0.132	0.099	PASS	Germany, Esperstedt Fam	KathiesonNature2015	Direct: 95.4%; inCal2020	-2630-2287 calBCE (3	-2470	-2630	-2287	Corded_Ware	Corded_Ware_Germany	Germany_CordedWare	Esperstedt		Germany
							Saag&Jo&Kon2021	350-600 CE		550-600 CE	550	500	600	Estonia_EIA	Estonian Vendelperiod	Estonia_EIA.SG	Tõnsvere-Ojaküülä		Estonia
							JuraxAmPhyAnthropol2019		2290-2141 calBC	-2215.5	-2290	-2141	20-30 years	Bell_Beaker	Bell Beaker Lech Valley	Lech_BBC	Haunstetten – Unterer Talweg	TUNTA85	Germany
			12990				Papas&Jo&Kon2021	UBA-27395		3231±50 BP	-1887	-2193	-1782	Unetice	Únětice Bohemia	Bohemia_EE	Vlimsko_H385, Bohemia		Czech Republic
			14547	0.01 ..	PASS (literature		MargaryanNature2020	Contest: Archaeological	900-1200 CE	975	900	1050	Viking	Viking Sweden	Sweden_Viking.SG	Gotland	Fröjel	Sweden
			129159	0.12 ..	PASS (literature		MargaryanNature2020	Contest: Archaeological	900-1100 CE	1000	900	1100	Viking	Viking Sweden	Sweden_Viking.SG	Gotland	Fröjel	Sweden
							Saag&Jo&Kon2021	2881-2581 calBC	-2731	-2881	-2581	NA	Falgavesa	Falgavesa Nikuhtsino	Falgavesa	Nikuhtsino, Yaroslavl	39	Russia
							Saag&Jo&Kon2021	2468-2211 calBC	-2339.5	-2468	-2211	20-30	Falgavesa	Falgavesa Boshnevo	Falgavesa	Boshnevo 3, Tver	2141	Russia
							KlunkAmPhyAnthropol2019	1349 AD	1349	1324	1374	England_MA	England BD Medieval			East Smithfield	MN88, Period 1	England
							JuraxAmPhyAnthropol2020	900-1100 CE	1000	900	1100	Viking	Viking Sweden	Sweden_Viking.SG	Sweden_Viking.SG	Uppsala	Skämsta	Sweden
							KrauseEpuraNatCommun2018	1270-1536 AD (med	1403	1270	1536.38-18	Nordic_MA	Denmark medieval		St. Jürgen	Denmark		Denmark
							KrauseEpuraNatCommun2018	1270-1536 AD (med	1403	1270	1536.26-29	Nordic_MA	Denmark medieval		St. Jürgen	Denmark		Denmark
							Cubas&Jo2016	9-10th c. AD	900	800	1000		Late Avar	Late Avar-Slavs	Late Avar-Slavs	Vörs-Papkert 8		Hungary
							Cubas&Jo2016	9-10th c. AD	900	800	1000		Late Avar	Late Avar-Slavs	Late Avar-Slavs	Vörs-Papkert 8	352	Hungary
							KlunkAmPhyAnthropol2019	1702 AD	1702	1675	1725	Denmark_MA	Denmark Late Medieval	Denmark_EarlyMedieval_o3.SG	Denmark_EarlyMedieval_o3.SG	HOM 1272	Denmark	
			138004	0.1412 ..	PASS (literature	n/a/a	VeeramahPN

Object-ID	Colloquial-Sheitel	Lat/Lon	Lon/Lat	Sex	mtDNA-Count	FAMILY	mtDNA-haplogroup	mtDNA-Haplotype	mt-YF	mt-YF-Count	mt-YF-Haplotype
S9		48.3	18.1		0.06	J1c8a1	J1c8a1	J1c8a1			
BM21	MH60538.1	42.4	25.6		0.5	J1c9	J1c9*	J1c9			
Lug04	Bujal 8L1	40	21.8	?	489.5	J1c2	J1c+16261	J1c+16261			
MS105.79		39.2	8.48			J1c2	J1c2+16261+189	J1c2+16261+189			
R122	RMPR-122	41.8	12.3	?		J1c8	J1c+16261	J1c+16261			
Ion024	MT31.8	58.2	13.6	?	11.9435	J1c2	J1c2	J1c9138j			
PCA0057	sb. 380	52.6	16.8	?		J1c8	J1c+16261	J1c+16261			
LM35a	234dd, MKD59701.1	51.5	0.08	?		J1c7	J1c7a	J1c7a*			
TU630	Tuukkala3,MN04531	61.7	26.6			J1c7	J1c7a	J1c7a			
Karos324	KYZ8719.1	48.3	21.7	?		J1c7	J1c7a	J1c7a*			
MS10560		39.2	8.48			J1c7	J1c7a	J1c7a+16519			
EK300	6286-37	37.6	59.3	?		J1c7	J1c7a	J1c7a			
U921	TH16-11, 33-16-11, Pe	36.2	54.4	?		J1c7	J1c7d	J1c7d			
Heidington1		53.9	0.05			J1d	J1d	J1d			
Petrarca1		45.3	11.7	M		J1d	J1d	J1d			
LI1010m1	A2778 x3070, MK090	55.9	9.86			J1e1	J1e1a1*	J1e1			
arm26	Arbouzge; 446	40.4	45.2			J1e1	J1e1b1	J1e1b1a			
arm4	#2_Armenia_Meshakn 40.1		44.1			J1e1	J1e1b1	J1e1b1a			
vlk_mgh21	vlk_mgh21	59.6	17.7	?		J1e1	J1e1b1	J1e1b1a			
Nov3	Prince Chelokaeva Sol	55.7	37.7	?		J1e1	J1e1b1	J1e1b1a+16362			
I12485	MOS1633, ID 10.6	37.2	61.7	?	207.5	J1e2	J1e4	J1e4			
TUH001	AT-684	47.8	102.7	?		J1e3	J1e3	J1e3+16519			
TUK16		47.8	102.7	?		J1e3	J1e3	J1e3			
MJ-46		11	47.4	34.3	?		J1e3	J1e3			
arm12	Arm_Sotk1_7	40.2	45.9			J1e3	J1e3	J1e3			
I4919	LG-SZ-002, Saraim-85	39.5	67.5	?	217.5	J1e3	J1e3	J1e3+16519			
Mnoan26H		35.1	25.8			J1e3	J1e3	J1e3			
Rathaus125	KH130150	54.5	9.62			J1e3	J1e3	J1e3			
G267	KH150676 PB	55.8	9.72	?		J1e3	J1e3	J1e3			
G27	KH150706 PB	55.8	9.72	M		J1e3	J1e3	J1e3			
R11	R ob. 37 ine 32/99	53.1	18.7			J1e3	J1e3a	J1e3a			
I20001	CO0001.AE261, B296	41.1	44.6	?		J1e3	J1e3b	J1e3b			
I9089	SK 552	41.6	35.9	?		J1e3	J1e3b1	J1e3b1			
I19461	OstinskiyKurgan	42.5	26			J1e3	J1e3b1	J1e3b1			
Ca3		48.4	18			J1e3	J1e3b1	J1e3b1+16519			
Pringg53		37.4	-4.2			J1e3	J1e3b1	J1e3b1+16519			
I0404	S0404	41.3	2.33			J1e3	J1e3b1	J1e3b1+16519			
I3273	1- 4111:9.6/17.16.1	42.6	-2.55	?		J1e3	J1e3b1	J1e3b1+16519			
Pwoo	Pala da Vella-91/7.11	42.5	7.04	?		J1e3	J1e3b1	J1e3b1+16519			
I11500	Ar-211 (ventilfort 1)	40.1	-2.22	?	74.25	J1e3	J1e3b1	J1e3b1+16519			
I3270	LY.II.A.10.15067	42.6	-2.7	?	827	J1e3	J1e3b1	J1e3b1+16519			
MA92		39.3	8.54			J1e3	J1e3b1	J1e3b1+16519			
I6630	Hume 44, L44141	40.2	-3.76	?	36.5	J1e3	J1e3b1	J1e3b1+16519			
Cmo05		38.1	-1.86			J1e3	J1e3b1	J1e3b1+16519			
MT0230B		43.8	4.42			J1e3	J1e3b1	J1e3b1+16519			
Pol-12		37.6	13.6		96.5	J1e3	J1e3b1	J1e3b1+16519			
TUH02C		47.8	102.7			J1e3	J1e3b1	J1e3b1+16519			
TUH03		47.8	102.7			J1e3	J1e3b1	J1e3b1+16519			
Balu14d0B		46.6	20.1	M		J1e3	J1e3b1	J1e3b1+16519			
Dach.S1E8		46.7	20.3	F		J1e3	J1e3b1	J1e3b1+16519			
V6402	Sweden_Skara 38	58.4	13.7	F	87.4	J1e3	J1e3b1	J1e3b1+16519			
M55a	MW08527	45.8	25.6	M		J1e3	J1e3b1	J1e3b1+16519			
R73	RMPR-73	41.8	12.5	?		J1e3	J1e3b1a	J1e3b1a			
NLHCOVCO468	MG180528	40.7	17.6			J1e3	J1e3b1a	J1e3b1a+16519			
VK366	Denmark_Bogovej BY	54.9	10.7	?	151.7	J1e3	J1e3b1a	J1e3b1a+16519			
Sthpw-46		47.2	21.2			J1e3	J1e3b1a*	J1e3b1a			
R106	RMPR-106	41.9	12.5	?		J1e3	J1e3b1a2	J1e3b1a2			
LM56mt	556B, MKD59715.1	51.5	0.08	M		J1e3	J1e3b1a2*	J1e3b1a2			
LM71mt	527S, MKD59725.1	51.5	-0.08	M		J1e3	J1e3b1a2*	J1e3b1a2			
EU8010a		49	10.1	F		J1e3	J1e3b1a2	J1e3b1a2			
LP210mt	G 207, MKD59528.1	55.9	9.82		0.04	J1e3	J1e3b1a5	J1e3b1a5			
LI20ivt1	A2521x1247S, MK0508	55.9	9.86		0.02	J1e3	J1e3b1a5	J1e3b1a5+16519			
I12643	CRI1-107-ADNA355	41.5	2.13	?	46.63	J1e3	J1e3b1a5	J1e3b1a5+16519			
I16183	252N, Tomb 7	40.6	8.32	?	20.75	J1e3	J1e3b1a5	J1e3b1a5+16519			
Karos315	KYZ8707.1	48.3	21.7	?	0.06	J1e3	J1e3b1a5	J1e3b1a5+16519			
I3279	15 Sal 1/136	50.6	86.4	?	169.7	J1e3	J1e3b1a6	J1e3b1a6			
RISE511	6136-6; Alleraiseiner_b	54.6	90.8	F		J1e3	J1e3b2	J1e3b2			
RISE510	6136-9	54.6	90.8	F		J1e3	J1e3b2	J1e3b2			
VFBperl352		46.7	17.3			J1e3	J1e3b2	J1e3b2			
JK2137	1656	29.9	31.2	M		J1e3	J1e3b2*	J1e3b2*			
JK2919	1619	29.9	31.2			J1e3	J1e3b2*	J1e3b2*			
JK2952	1687	29.9	31.2			J1e3	J1e3b2*	J1e3b2*			
JK2957	1653	29.9	31.2	M		J1e3	J1e3b2*	J1e3b2*			
mom20_*			45.1	7.5		J1e3	J1e3b2*	J1e3b2*			
I1164	S1164.E1.L1	33	35.3	F	10.9	J1e3	J1e3b2	J1e3b2			
I1152	S1152.E1.L1	33	35.3	F	198.8	J1e3	J1e3b2	J1e3b2			
I1169	S1169.E1.L1, S1169.E1	33	35.3	F		J1e3	J1e3b2	J1e3b2			
CAN.E01	AEH072, MK139594.1	28.1	37.2		0.22	J1e3	J1e3b2*	J1e3b2+16519			
CAN.E02	AEH011, MK139598.1	28.7	37.9		0.24	J1e3	J1e3b2*	J1e3b2+16519			
CAN.E16	AEH109, MK139595.1	28.7	37.9		0.18	J1e3	J1e3b2*	J1e3b2+16519			
JK2141	1564	29.9	31.2	U	0.33	J1e3	J1e3b2	J1e3b2			
JK2918	1611	29.9	31.2	F	0.27	J1e3	J1e3b2	J1e3b2			
I18519	S208	21.1	30.7	?	0.16	J1e3	J1e3b2	J1e3b2			
Sthpw-94		47.2	21.2		0.15	J1e3	J1e3b2	J1e3b2			
AKT24g	Aktopraiskii	40.2	28.8	F	0.44	J1f	J1f	J1f			
SA1001 AG310		37.7	30.5		0.04	J1h	J1h	J1h			
SA-DB-AK2-73-74		37.7	30.5		0.04	J1h	J1h	J1h			
AKT25g	Aktopraiskii	40.2	28.8	M	0.46	J1h1	J1h1	J1h1			
I4665	LEPI_54E	44.6	22.7	?	33.2	J1j	J1b1	J1b1			
I2216	MP10	44	26.4	F	0.42	J1j	J1b1	J1b1			
I1109	MP10	44	26.4	F	87.42	J1j	J1b1	J1b1			
ZEO-126-7	Herzheim	49.1	8.22	M	0.38	J1j	J1b1	J1b1			
I4110	Grave 9	48.9	33.8	F	213	J1j	J1b1	J1b1			
MA15	Mainka Container 2	38.5	23.6	F	387.7	J1j	J1b1	J1b1			
I8131	ASE-2017-UES114 Dra	39	0.16	F	0.24	J1h1	J1b1	J1b1			
ACHN002	MN607002	41	12.9	M		J1h1	J1b1	J1b1			
LHS25	MG182496	46.8	17.8		0.08	J1h1	J1b1	J1b1			
RO586		48.5	7.47		0.38	J1h1a	J1b1a	J1b1a			
CRE7.A		43.2	3.13		0.36	J1h1a	J1b1a	J1b1a			
MA73		40	8.52		0.35	J1h1a	J1b1a	J1b1a			
I3508	KFF92a	46.7	17.2	F	91.8	J1h1a	J1b1a	J1b1a			
Fuge4		42.7	-3.75		0.34	J1h1a	J1b1a	J1b1a			
SALZ 12		51.5	11.9		0.34	J1h1a	J1b1a	J1b1a			
SALZ 19		51.5	11.9		0.34	J1h1a	J1b1a	J1b1a			
I8566	C.560	38.8	-0.86	F	222	J1h1a	J1b1a	J1b1a			
Cmo054		38.1	-1.86		0.28	J1h1a	J1b1a	J1b1a			
Bar54		41.1	0.96		0.27	J1h1a	J1b1a	J1b1a			
Bar8		41.1	0.96		0.27	J1h1a	J1b1a	J1b1a			
I8198	11838	37.2	-4.24	F	104	J1h1a	J1b1a	J1b1a			
Sprenkenbach-Moosweg237/5		47.4	8.08	F	0.26	J1h1a	J1b1a	J1b1a			
I8C006	Sc.F	40.8	8.62	F	397.1	J1h1a	J1b1a	J1b1a			
I4539	Individuum 5/17	47.3	8.22		0.24	J1h1a	J1b1a	J1b1a			

mt-Sin mt-5 MVs1	HVS-II	HVS-III	HVS-IVD	mt-SNPs	Responsible-SN	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree · Y-Haplotree	Y-FTD	YFull	Y-Yfu SGDG2019	FTDNA Y-Haplotree
J1	J	16069T 16126C 16129G 16187C 16223C 16230A 16265G 16311T 16519A																	
J1	J	73G 263G 417T 489C 750G 1438G 15887T																	
J1	J					C1626T	YFull												
J1	J														Haplogrep (v2.1.20)				
J1	J														Haplogrep 2.0				
J1	J					A1368G + CYFull													
J1	J	73G 146C 185A 228A 263G 295T 315.1C 462T 489T Phylotree mtDNA Build 17, 18 (Feb 2016)																	
J1	J	069T 0D1C 228A 263G 295T 302R 489D0G					YFull												
J1	J					A189G	YFull												
J1	J					U2b	RecitAdk_v44.3												
J1	J																		
J1	J	16126, 16193, 16311 [Reported as J2]																	
J1	J					T1333C	YFull												
J1	J					A3213G	YFull												
J1	J					A3213G	YFull												
J1	J	16069T-16126C-16129T-16187C-16223T-16311G																	
J1	J																		
J1	J	73G,152C,263G,295T,462T,489C,514del,515del,750G,1438G,2706G,3010A,4216C,4769G,4853A,7028T,7789A,7963G,8860G,10398G,11250G,11719A,12612G,13708A,14766T,15326G,15452A,16069T,16092C,16126C,16129T,16274A,16519C																	
J1	J																		
J1	J					A9061G	YFull												
J1	J																		
J1	J	16069(T), 16126(C), **16223**(T),16291(T), 16293(A*C)																	
J1	J																		
J1	J	16069T, 16126C, 16145A, 16231C,																	
J1	J						Unspecified												
J1	J	73G 263G > 120N 121N 150T 152C 195C 295T 1049G! 12612G																	
J1	J						Knipper-PMA32018												
J1	J	16069T 16126C 16129G 16145A 16187C 16189T 16223C 16230A 16231C 16261T 16278C 16311T																	
J1	J	16069, 16126, 16145, 16231, 16261, Reported J1a																	
J1	J																		
J1	J						HaploGrep2												
J1	J						HaploGrep2												
J1	J						HaploGrep2												
J1	J	n.d.					HaploGrep2 based on phylotree48 (mtDNA tree Build 17 (accessed 18 February 2016)												
J1	J	16069T 16126C 16129G G16145A T16187C C16189T T16223C G16230A T16231C T16278C C16311T					SokolovaRojas2017												
J1	J						HaploFind and PhyMer, Phylotree build17												
J1	J						Phylotree Build 17												
J1	J	73G,152T,153C,195C,215G,263G,295T,315.1C,319C,489C,513A,750G,1438G,2706G,4216C,4769G,5250C,7028T,7497T,7789A,8860G,10398G,10499G,11251G,11377A,11719A,12612G,13708A,13720G,14130G,14766T,15257A,15326G,15452A,16069T,16126C, 16145A,16231C,16261T,16399G,																	
J1	J	73G,152T,153C,195C,215G,263G,295T,315.1C,319C,489C,513A,750G,1438G,2706G,4216C,4769G,5250C,7028T,7497T,7789A,8860G,10398G,10499G,11251G,11377A,11719A,12612G,13708A,13720G,14130G,14766T,15257A,15326G,15452A,16069T,16126C, 16145A,16231C,16261T,16399G,																	
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	73G 150T 152C 195C 263G 295T 315C 489C					Haplogrep (v2.1.20)												
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	16069T 16126C 16145A 16231C 16261T																	
J1	J	73G,150T,152C,195C,263G,295T,310.1T,315C,489C Haplogrep, KloosBrandsbitterMum Mutat2011																	
J1	J	73G 150T 1					73G 150T 15	YFull											
J1	J						Haplogrep (v2.1.20)												
J1	J					A3447G	YFull												
J1	J					A3447G	YFull												
J1	J	309.1CT, 310.1T, 3107d, 16356C, 16360C, 16519T					T185C + T317YFull												
J1	J	069T 126C 1263G 295T 302RT 1179T					T185C + T317YFull												
J1	J																		
J1	J																		
J1	J	73G 150T 1324T 8988A 16296T				73G 150T 19	YFull												
J1	J						YFull												
J1	J						YFull												
J1	J						YFull												
J1	J						YFull												
J1	J	069T 126C 231C 311C																	
J1	J																		
J1	J						HarneyMayNatureCommunications2018												
J1	J																		
J1	J					A767G + CBYFull													
J1	J					A767G + CBYFull													
J1	J					A767G + CBYFull													
J1	J																		
J1	J																		
J1	J	73G 150T 1737ISI 1544DC 16311C				73G 150T 19	YFull												
J1	J																		
J1	J						Haplofind and Phy-Mer, Phylotree build17												
J1	J						Haplofind and Phy-Mer, Phylotree build17												
J1	J	16069 16126c 16319 1627B																	
J1	J	16069T T6126C A3012RG T6187C C6189T T6223C G6230A C6311T																	
J1	J	C1606ET T1 G94A C1407 C1507 C1957 A2470 C2957																	
J1	J	C1606ET T1 C1407 C1507 C1957 A2470 C2957																	
J1	J						HaploGrep2												
J1	J	C1606ET T6126C A3012RG T6187C C6189T T6223C G6230A C6311T																	
J1	J	C1606ET T6126C A3012RG T6187C C6189T T6223C G6230A C6311T																	
J1	J	C1606ET T6126C A3012RG T6187C C6189T T6223C G6230A C6311T																	
J1	J						HaploGrep2												
J1	J	12612, 16069T, 16126C, 16189T, 16278T																	
J1	J																		
J1	J																		
J1	J	16069c 16224c 16311c																	
J1	J	16069c 16189c 16224c 16311c																	
J1	J																		
J1	J	16069c 16224c 16311c																	
J1	J																		
J1	J	16069c 16224c 16311c																	
J1	J																		
J1	J																		
J1	J

| Object-ID | Colloquial-Skeletal | Lat | Lon | Length | Sex | mtDNA-c.rel | mtDNA-haplogroup | mtDNA-Haplotype | mt-TF | mt-TF-mutations | mt-Sim | mt-SNPs | HVS-I | HVS-II | mt-SNPs | Responsible-Y-DNA | Y-New | SNP-positive | SNP-negative | SNP-dubious | NRY | Y-FAX | Y-Simple | YTree | Y-Haplotree | Y-Haplotree | Y-FTD | Y-FTD-YFull | Y-Yfu-SOGO2019 | FTDNA-Y-Haplotree | Y-Sym | Y-Symbol | Responsible-SN | SNPs | Autosomo-Damage-A | Assessment | Kinship-Notes | Source | Method-Date | Date | Mean | CalBC_top | CalBC_bot | Age | Simplified_Culture | Culture_Grouping | Label | Location | SiteID | Country |
|---|---|---

Object-ID	Colloquial-Shelfat	Lat	Lon	Length	Sex	mtDNA-Count	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YF FTDNA-mt-Haplotree	mt-Sim	mt-S HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR-Y-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FTD	YfuS	Y-Yfu SGDG2019	FTDNA-Y-Haplotree
med023	M18/M9	58.1	13.6 M	17.286	F	41	K1a4a1a2a	K1a4a1a2a [0.9588]	K1a4a1a2a	K1a4a1a2a	K1	K			Haplogroup 2.0												
tor005	M50/M55	58.2	13.6 F	17.034	F	41	K1a4a1a2a	K1a4a1a2a [0.8882]	K1a4a1a2a	K1a4a1a2a	K1	K			Haplogroup 2.0												
ELW015		49	10.1 F								K1	K			Haplogroup 2.0												
I8119	Hinston12883, skeleto	52.1	0.18 F			2	0.85	K1a4a1a2b		K1a4a1a2b	K1	K			Haplogroup 2.0												
VK428	Gotland_Frojel-I0287	57.3	18.2 F	19.9	0.67	3	K1a4a1a2b	K1a4a1a2b		K1a4a1a2b	K1	K			Haplogroup 2.0												
LF179mt	X14931, MN595127.1	55.3	8.76			3	0.38	K1a4a1a2b2		K1a4a1a2b2	K1	K			T1348GC > T1YFuS												
LF177mt	X13145, MN595127.1	55.3	8.76			3	0.38	K1a4a1a2b2		K1a4a1a2b2	K1	K			T1348GC > T1YFuS												
I5168		50.9	1.71			3	0.38	K1a4a1b		K1a4a1b	K1	K			Haplofind and Phy-Mer, Phylotree build17												
JK2867	2.1.ad -L16	62.9	22.4 U			3	0.26	K1a4a1b		K1a4a1b	K1	K			PhyloTree mtDNA Build 17, 18 (Feb 2016)												
JK2865	DA236, LaVaishulinA0	62.9	22.4 F			3	0.26	K1a4a1b		K1a4a1b	K1	K			PhyloTree mtDNA Build 17, 18 (Feb 2016)												
BE79	Ballyveigh79	52.5	-0.68 F			3	0.26	K1a4a1b		K1a4a1b	K1	K	73G 263G 310C 477T 750G 1189C 14380 18110 2706G Haplogroup, KlossBrandaletHumMutat2011													
LF181mt	X15581, MN595221.1	55.3	8.76			3	0.19	K1a4a1b		K1a4a1b*	K1	K	1467; 152T; 724T			A1341G	YFuS										
VK322	Denmark_Rise 1	55.3	8.76 F		64.6	0.18	K1a4a1b		K1a4a1b	K1a4a1b*	K1	K	73G 263G 497T 750G 1189C 14380 18110 2706G Haplogroup, KlossBrandaletHumMutat2011													
CB-K022		48.5	7.48 F			3	0.18	K1a4a1b		K1a4a1b	K1	K															
BRC030		45.5	11.6 F			3	0.18	K1a4a1b		K1a4a1b	K1	K	73G 263G >5021C 5474 16093C														
MPepe41		47	21.6			3	0.18	K1a4a1b		K1a4a1b	K1	K															
LM53mt	30939, MN595713.1	51.5	-0.08 M			3	0.11	K1a4a1b		K1a4a1b*	K1	K															
I6179	I4802.2	51	17.3 F	316.2		3	0.11	K1a4a1c		K1a4a1c	K1	K															
Here		49.1	8.21 F			3		K1a4a1c		K1a4a1c	K1	K	73, 263, 497; Qual: 0.9051														
2B1-19-K	Herahaim	49.1	8.22 F			3		K1a4a1c		K1a4a1c	K1	K															
I5040	HUNG4046; grave 458	47.4	19.1 F	511.1	0.68	4		K1a4b		K1a4b	K1	K	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													
I5828	I5780D-23, Lbd-Bn-Fc	54.1	91.6 F	413.8	0.55	4		K1a4b		K1a4b	K1	K															
ann28	Qanagaqih; #11	40.3	45.2			3		K1a4c1		K1a4c1	K1	K			A13710G > A YFuS												
I6134	I9699.154	41.9	12.5 F			3	0.63	K1a4c1		K1a4c1	K1	K	Haplogrep (v2.1.20)														
MPepe73		47	21.6			3	0.36	K1a4c1		K1a4c1*	K1	K															
VFBpar27		46	17.3			3	0.27	K1a6		K1a6*	K1	K	73G 263G >1192 8874T 16189T		73G 152C	250YFuS											
Ash129	Uia-57653, TQBTAK-3	38.3	34.2 F	237.028		3	0.64	K1a4*		K1a4a	K1	K			YFuS												
Ash128	Uia-57652, TQBTAK-3	38.3	34.2 F	258.359		3	0.64	K1a4		K1a4*	K1	K			YFuS												
FOP05	SUE74 U368	45.3	18.7 F	181.493			K1a5			K1a5	K1	K															
JAR7006	S216 Tempi3	38.4	38.4 F			3	K1a6b			K1a6b	K1	K	73G 263G ; 310.1C 170 16189C				M319										
I5631	AR1456C	39.7	45.2 F	468.7	0.77	4		K1a6*		K1a6*	K1	K			C2605T	YFuS											
I5379	M713.72	40.3	29.6 F		0.99	4	K1a-C150T			K1a-C150T	K1	K															
Z82-88-2	Herahaim	49.1	8.22 F		0.85	4	K1a-C150T			K1a-C150T	K1	K															
ALA008	44-85, Locus 15, AT 34	36.2	36.4 F		0.41	4	K1a-C150T			K1a-C150T	K1	K	73G 150T 2 167 199C 3 16093C						merged with library ALA040.A2021 (same individual)								
LB006		56.2	67.2 M	122		4	K1a-C150T			K1a-C150T	K1	K															
A5195		67.8	15.2 F		0.19	4	K1a11			K1a11	K1	K	16129A 16224C 16270T 16311C														
I5427	A2055	36.6	22.4 F	107.9	0.96	4	K1a24			K1a24	K1	K															
I5436		51.3	11.8		0.26	4	K1a24a			K1a24a	K1	K	A16129G G16145A T16187C C16189T T16223C T16224C G16230A T16278C														
KAR 37		51.3	11.7		0.26	4	K1a24a			K1a24a	K1	K	A16129G G16145A T16187C C16189T T16223C T16224C G16230A T16278C														
JK2895	1555 29.0	31.2	34.1 F		0.23	4	1555			K1a-C150T*	K1	K	73G 150T 2 167 199C 3 16147G 161 167 T3G 152YFuS														
MPepe47		47	21.6		0.11	4	K1a-C150T*			K1a-c15B*	K1	K	73G 150T 2 167 199C 3 16147G 161 167 T3G 152YFuS														
Ust'Ishim	gi. 129/2119	48.8	9.18 F		0.41	4	K1a-T195C			K1a-T195C	K1	K															
SF395		43.1	2.21		0.83	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17														
CM23		45.2	3.13		0.79	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17														
GR0032	GLN 248	48	3.56 F		0.77	4	K1a-T195C			K1a-T195C	K1	K															
I5417	CM-BN-C12 (dl 1210 k)	36.4	42.1 F	17.6	0.76	4	K1a-T195C			K1a-T195C	K1	K	HaploGrep2														
I5454-1		50.9	1.71		0.75	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17														
pre006.d011	Primrose8, pre006.d0	54.2	43.56 F		0.69	4	K1a-T195C			K1a-T195C	K1	K	73G 195C 263G 497T 750G 1189C 14380 18110 2706G 16092 T0287 8860G 10354A 10398G 10550G 11299C 11467G 11719A 12308G 12372A 14587T 14766T 14798C 15329G 16093C 16224C 16311CPrivate mutations310T 5780A 16519CMissing mutations4769G										
BOU10		43.5	3.56		0.68	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17														
I8085	GENGOT74	58.7	-0.92 F	596.0	0.65	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17 (mtDNA tree build 17 (accessed 18 February 2016)													
rou033	Rou033	58.2	13.6 F	11.173	0.65	4	K1a-T195C	0.65 T195C (0.703)		K1a-T195C	K1	K	Haplogrep 2.0								10184						
Ava10	Ava10	47.5	7.6 F		0.61	4	K1a-T195C			K1a-T195C	K1	K	RecitAL_v4.3		K1a+195												
RA44	125128	47.3	7.66		0.61	4	K1a-T195C			K1a-T195C	K1	K															
RISE31246	grave 32C, ind 1	56.2	21.1 F		0.54	4	K1a-T195C			K1a-T195C	K1	K	Haplogrep 2.2, PhyloTree build 17														
I5462	Roy5	42.4	-3.75 F	235	0.58	4	K1a-T195C			K1a-T195C	K1	K	T16093C A16129G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
SUD004	PA09_16a	44.6	22 F	172.2	0.52	4	K1a-T195C			K1a-T195C	K1	K	Haplogrep (v2.1.20)														
I4936	P2-10-U151	37.7	13 F		0.52	4	K1a-T195C			K1a-T195C	K1	K	310.1T; 473C; 513.10C; 3107M														
MX393	individuum 3	47.3	8.22		0.52	4	K1a-T195C			K1a-T195C	K1	K															
I8140	Cerro de la Encina-Mn	37.1	3.55 F		0.49	4	K1a-T195C			K1a-T195C	K1	K			UBLV;												
I6013	I9701, Iurgan-I, Sample	52.8	60.5 F		0.48	4	K1a-T195C			K1a-T195C	K1	K															
I5862	I9T, Iurgan-2, burial :	52.8	60.5 F	168	0.48	4	K1a-T195C			K1a-T195C	K1	K															
I5885	Near 78, Area 10 U002	40.4	-3.7 F	117	0.48	4	K1a-T195C			K1a-T195C	K1	K	A16129G T16187C C16189T T16223C T16224C G319HaplogroupG based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													
I3878	MA8	37.7	12.8 F	568.044	0.47	4	K1a-T195C			K1a-T195C	K1	K	310.1T; 7859A	K1a	RecitAL_v4.3												
Pop-27		37.6	13.8	97.93	0.34	4	K1a-T195C			K1a-T195C	K1	K	Phylotree build 17														
I20746_I20770	HUNG175, I20770	47.8	20.7 F		0.32	4	K1a-T195C			K1a-T195C	K1	K															
RER02351-2		48.2	7.36		0.32	4	K1a-T195C			K1a-T195C	K1	K	Haplofind and Phy-Mer, Phylotree build17														
SAU007	Salapia	41.3	15.6 F		0.32	4	K1a-T195C			K1a-T195C	K1	K															
I8340	10-SU-28-D1-E-63	42.1	11.7 F	93.3	0.31	4	K1a-T195C			K1a-T195C	K1	K	Haplogrep2														
KN944	Knowe94	53.7	6.49 F		0.23	4	K1a-T195C			K1a-T195C	K1	K															
I8339	10-SU-28-D1-E-63	42.1	11.7 F	83.6	0.23	4	K1a-T195C			K1a-T195C	K1	K	1467; 152T; 3824K														
LN27	Jahnsch27	53.3	-7.61 F		0.2	4	K1a-T195C	0.2 T195C		K1a-T195C	K1	K															
LF185mt	BC_MN595581.1	55.4	8.41		0.47	4	K1a1			K1a1	K1	K	1527; 247G; 497T; 7896G 7521G														
I2937	A2197 multi-burial, Cl	36.6	22.4 F			4	K1a26			K1a26	K1	K															
I8778	SE 510A, 0.52 Isotopic	55.1	-1.81 F	175		4	K1a26			K1a26	K1	K	Haplogrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													
KO3	Keenage3	53.6	-0.42 F			4	K1a26			K1a26	K1	K	1527; 247G; 497T; 7896G 7521G														
COL153A	COL153A	46.1	7.36 F	50		4	K1a26	0 K1a26 (Fischer 2018)		K1a26	K1	K			A5581G	YFuS											
SMT5_MB8	BA171995	43.2	81.1	459.199		4				K1a26 > K1a26+16296	U5	U				YFuS											
SHIB_M5		43.9	83.2	369.339	0.12	4				K1a26 > K1a26+16296	U5	U				YFuS											
MA25		43.5	92.4		0.33	4	K1b			K1b	K1	K															
I3739	TQBTAK-685	37.7	32.8 F	58.1294		4	K1b1			K1b1*	K1	K															
RO542		48.5	7.47		0.97	5	K1b1			K1b1	K1	K															
I4865	PS1, Sporadicus, Delta	37.7	12.9 F		0.98	5	K1b1			K1b1d	K1	K	310.1T; 505T; 1525TA; 16319A														
SEK18		46	18.5		1	5	K1b1a			K1b1a	K1	K	16093c 16224c 16311c 16355t														
KAR 8		51.3	11.7		1	5	K1b1a			K1b1a	K1	K	A16126G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
SEK17		46	18.5		1	5	K1b1a			K1b1a	K1	K	16224c 16311c 16319a														
I5228	Ind. 12	48.6	16.5 F	163	1	5	K1b1a			K1b1a	K1	K			K1b1+16093 RecitAL_v4.3												
BAL27		46.2	18.7		1	5	K1b1a			K1b1a	K1	K	16224c 16311c 16319a														
I8936		43.1	2.25		1	5	K1b1a			K1b1a	K1	K															
I7550	CH-08-C15-UE1502-E4	36.4	62.1 F	49.8	1	5	K1b1a			K1b1a	K1	K	T16093C A16129G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
Fuge7		42.7	-3.75		0.99	5	K1b1a			K1b1a	K1	K															
I3709	A236	36.6	22.4 F		0.97	5	K1b1a			K1b1a	K1	K	A16126G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
Jum3		40.3	3.75		0.78	5	K1b1a			K1b1a	K1	K															
Jum4		40.3	3.75		0.78	5	K1b1a			K1b1a	K1	K	T16093C A16129G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
TORTC	TORTC15_AMS_2.20	45.1	3.06		0.74	5	K1b1a			K1b1a	K1	K															
MT834A		43.8	4.42		0.71	5	K1b1a			K1b1a	K1	K															
I6130	I5044, RISE586, RISE	48.8	17	194	0.7	5	K1b1a			K1b1a	K1	K	Haplogrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													
Rme1		37.7	-1.7		0.63	5	K1b1a			K1b1a	K1	K	T16093C A16129G T16187C C16189T T16223C T16224C G16230A T16278C G16319A														
ES.5/4-2		42.6	0.62 F		0.58	5	K1b1a			K1b1a	K1	K	Haplogrep2														
pop720		50.1	20 M		0.53	5	K1b1a			K1b1a	K1	K	JuraxsMt,PhylotreemtDNA build 17, 18 (Feb 2016)														
Tg66		54	91.5		0.44	5	K1b1a			K1b1a	K1	K	16093C 16123CB0														
Tg59		54.7	90.8		0.44	5	K1b1a			K1b1a	K1	K	16093C-16123CB0														
Ust2001c	Segizvay /1	49.2	54.5 F	56.05	0.37	5	K1b1a			K1b2	K1	K															
UN93		49.7	1.74		0.35	5	K1b1a			K1b1a	K1	K															
UN115		49.7	1.74		0.35	5	K1b1a			K1b1a	K1	K															
UN89		49.7	1.74		0.35	5	K1b1a			K1b1a	K1	K															
BUCH0		48.2	4.11		0.3	5	K1b1a1			K1b1a1	K1	K	Haplofind and Phy-Mer, Phylotree build17														
I0407	Minek	41.3	-2.33 F	364	0.94	5	K1b1a1			K1b1a1	K1	K															
I7616	Gryfe F28B, Bag 8	53	-0.14 F		0.9	5	K1b1a1			K1b1a1	K1	K	1467; 195T; 5460A, 13398G														
rou3	rou3	58.2	13.7 F	30	0.84	5	K1b1a1			K1b1a1	K1	K	HaploFind; PhyloTree mtDNA Build 17, 18 (Feb 2016)														
I8453	MR2	42.6	-1.5 F	832.8	0.76	5	K1b1a1			K1b1a1	K1	K	Haplofind and Phy-Mer, Phylotree build17														
I6466	RISE1183	38.9	20.8 M	29.6	0.75	5	K1b1a1			K1b1a1	K1	K	16093C 16123CB0														
TY001	TY001.AD101.TF1.1	50.3	14.5 F		0.53	5	K1b1a1			K1b1a1	K1	K															
BRE445A		48.3	4.1		0.79	5	K1b1a1			K1b1a1	K1	K	Haplofind and Phy-Mer, Phylotree build17														
BRE445B		48.3	4.1		0.79	5	K1b1a1			K1b1a1	K1	K	Haplofind and Phy-Mer, Phylotree build17														
I2446	SE 8764 (TCF 95)	51.8	-1.32 M		0.7	5	K1b1a1			K1b1a1	K1	K															
I8251	RISE561	48.7	11.1 F	67.3	0.68	5	K1b1a1			K1b1a1	K1	K	HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)							5694						
BNL010	BNL010.CE01.TF1.1	50.2	14.6 F		0.7	5	K1b1a1			K1b1a1	K1	K															
VUD53	VUD53.AD101.TF1.1	50.4	14.4 F		0.7	5	K1b1a1			K1b1a1	K1	K															
I8136	Cerro de la Virgen-Cm	37.7	-2.51 F	54.1	0.56	5	K1b1a1			K1b1a1	K1	K	Haplogrep2														
CORI001		40.5	8.79 F	53.1	0.18	5	K1b1a1			K1b1a1	K1	K															
pre416		49.3	20.7	6	0.14	5	K1b1a1			K1b1a1	K1	K	A73G, 7152C, 7199C; A263G, T310C, A750G, T1189C, A14380, A18110, A27062, A34800, A4769G, G5931A, CT028T, AB860D, G9055A, T9698C, G9962A, A10289G, A10580G, T11299C, A11467G, G11719A, A11923G, A12308G, G12372A, C13967T, C14167T, C14766T, T14798C, G15257A, A15326G, C15984T, T16023C, T16231C, G16319A, A16463G, T16519C										
I5519	I10257	52.1	0.18 F		0.11	5	K1b1a1b			K1b1a1b	K1	K	Haplogrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)														
LI130mt	12601, MN595650.1	51.5	-0.07 F		0.42	5	K1b1a1b			K1b1a1b	K1	K			T1438GC > T1YFuS												
MA81	JAG85	39.2	9.5		0.39	5	K1b1a1b			K1b1a1b	K1	K															
JAG85	SU61B8 U2286	45.3	18.7 F	168.006		5	K1b1b1			K1b1b1	K1	K															
Dunkankis5		55.8	22.4 U			5	K1b2			K1b2	K1	K															
I2069	23G/4	50.9	84.8 F	1580	0.76	5	K1b2a			K1b2a*	K1	K			YFuS												
I0355	SE001_E1_L1	50.4	45.4		0.75	5	K1b2a			K1b2a	K1	K															
I0120	PI196	48.3	10.9 F	225	0.63	5	K1b2a			K1b2a	K1	K	Haplogrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													
I0235	SVF26	51.1	50 F		0.59	5	K1b2a			K1b2a	K1	K															
BLK_M015		43.6	93	80.334	0.24	5	K1b2a			K1b2a*	K1	K			YFuS												
I10864	10-SU-28-D1-E-20	42.1	11.1 F	105.9	0.29	5	K1b2a			K1b2a	K1	K			YFuS												
PCA0053	Kow_48, ob. 520	52.6	16.8 F		0.27	5	K1b2a			K1b2a	K1	K															
I21083	KN1D0895	55.4	10.4 U		0.08	5	K1b2a1			K1b2a1	K1	K															
pop709		50.1	20 F		0.53	5	K1b2a2			K1b2a2	K1	K	A73G, 7146C, 7195C; A263G, A750G, T1189C, A14380, A18110, A27062, A34800, A4769G, G5931A, CT028T, G7521A, AB860G, G9055A, T9698C, A10398G, A10550G, T11299C, A11467G, G11719A, A11923G, G12372A, T12738G, G12771A, C14167T, C14766T, T14798C, A15326G, T16224C, T16311C, T16519C										
VK334	Denmark_Hesselberg	54.8	10.7 M?	47	0.15	5	K1b2a2			K1b2a2	K1	K															
VK227	Iceland_A117	65.6	-17.2 F	227.5	0.13	5	K1b2a2			K1b2a2	K1	K	73G 146C 195C 263G 750G 1189C 14380 18110 2 Haplogrep, KlossBrandaletHumMutat2011													
LM102bmt	33167, MN595687.1	51.5	-0.08 F		0.11	5	K1b2a4			K1b2a4	K1	K			T3760G	YFuS											
LP189mt	x5158 A15138, MN595	55.9	9.84		0.1	5	K1b2a4			K1b2a4*	K1	K			T3760G	YFuS											
AU7_2		49.5	9.74 F		0.67	5	K1b2b			K1b2b	K1	K															
AU7_B		49.5	9.74 F		0.66	5	K1b2b			K1b2b	K1	K															
VK272	Russia_Gnezdovo 77c	54.8	31.9 F	69.5	0.14	5	K1b2b			K1b2b	K1	K	73G 146C 195C 263G 750G 1189C 14380 18110 2 Haplogrep, KlossBrandaletHumMutat2011													
LP164mt	BF_MN595507.1	55.4	8.41		0.1	5	K1b2b			K1b2b*	K1	K			A10154G > C YFuS												
LI131mt	12664, MN595665.1	51.5	-0.07 F		0.09	5	K1b2b			K1b2b*	K1	K			A10154G > C YFuS												
LM07mt	20184, MN595681.1	51.5	-0.08 M		0.07	5	K1b2b			K1b2b*	K1	K			A10154G > C YFuS												
I8657	VLSC_1G25	44.5	22.1 F	23.6	0.5	5	K1c			K1c	K1	K															
Theo5		39.7	21.7		0.5	5	K1c			K1c	K1	K															
Theo1		39.7	21.7		0.5	5	K1c			K1c	K1	K															
MOT719		46.2	18.6		0.83	5	K1c			K1c	K1	K	16224c 16311c														
MT713		43.8	4.42		0.45	5	K1c1			K1c1	K1	K															
GM30.3	MH605028.1	42.6	26.4		0.77	5	K1c1*			K1c1*	K1	K	73G 146C 152C 263G 309.1T 310C 7 A8093G > G1 YFuS													
BM5.14	MH605042.1	42.4	25.6		0.62	5	K1c1*			K1c1*	K1	K	73G 146C 152C 263G 310C 750G 1189C 14893G > G1 YFuS													
BM5BA	MH605045.1	42.4	25.6		0.62	5	K1c1*			K1c1*	K1	K	73G 146C 152C 263G 310C 750G 1189C 14893G > G1 YFuS													
BM6B	MH605046.1	42.4	25.6		0.62	5	K1c1*			K1c1*	K1	K	73G 146C 152C 263G 750G 1189C 14893G > G1 YFuS													
I5362	B81.SK, HUNG170, B8	47.2	20.8 F	700	0.61	5	K1c1*			K1c1*	K1	K	73G, 146C, 152C, 263G, 315.1C*, 498del, 750G, 1189C														
pop713		50.1	20 M		0.51	5	K1c1			K1c1	K1	K	A73G, 7146C, 7152C, A263G, A750G, T1189C, A14380, A18110, A27062, A34800, A4769G, CT028T, AB860G, G9055A, A8039G, T9698C, A10398G, A10550G, T11299C, G11377A, A11467G, G11719A, A12308G, G12372A, C14167T, C14766T, T14798C, A15326G, T16224C, T16311C, T16519C										
BERG643-2		48.2	7.36		0.37	5	K1c1			K1c1	K1	K	Haplofind and Phy-Mer, Phylotree build17														
LCC5.94	MG182522	45.1	7.59		0.2	5	K1c1			K1c1	K1	K															
Karos2/K8		48.3	21.7 U		0.15	5	K1c1			K1c1	K1	K															
Karos2/5285		48.3	21.7 F		0.15	5	K1c1			K1c1	K1	K															
PUZper54		47.3	21.1		0.14	5	K1c1*			K1c1*	K1	K	73G 146C 149AA 685G 6717A 10057G 146C 152YFuS													
LI132mt	6102, MN595636.1	51.5	-0.07 F		0.08	5	K1c1*			K1c1*	K1	K	A9093 > G1 YFuS														
LP181mt	X1571, MN595520.1	55.3	8.76		0.08	5	K1c1*			K1c1*	K1	K	A9093 > G1 YFuS														
I-145-2		42	2.31 F		0.07	5	K1c1			K1c1	K1	K															
G314	KH150861	55.4	10.4 F		0.53	5	K1c1b			K1c1b	K1	K															
G314	KH150860 PB	55.4	10.4 F		0.53	5	K1c1b			K1c1b	K1	K															
Szegvar-Oromdulo(4)12/en5		46.6	20.2 F		0.92	5	K1c1d			K1c1d*	K1	K			A3720G > G1 YFuS												
Karos2/8		48.3	21.7

Object-ID	Colloquial-Skeletal	Lat(lun)	Long(lun)	Sex	mtDNA-Cont	mtDNA-haplogroup	mtDNA-Haplotype	mt-TF	mtree	mt-TF-FTDNA-Mt-Haplotree	mt-Sin-no-5-HVS-!	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree-1 - Y-FTD-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree	Y-Sym-Y-Symbol	Responsible-SNPs	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
LG37mt	10239, MH359675.1	51.5	-0.07	F	0.23	K2a7	K2a7	K2a7	K2a7	K2a7																		KluskAmPhysAnthropol2019		1446 AD	1446	1421	1471	England_MIA	England Post-BD Medieval		St. Mary Graces	MINBL Period 2	England
RO588		48.5	7.47		3	K2a9	K2a9	K2a9	K2a9	K2a9																		BrunelPhil2020		4270-4035 calBC	-4677.5	-4920	-4635	France_MNL	Grougnardach		Rosheim	Rosheim "Altdorf"France	France
LRV 105	F67	40.8	16.3		0.8	K2a9	K2a9	K2a9	K2a9	K2a9																		Emery2017		1st-4th c. CE	200	1	400	19-21	Italy_Roman	South_Italy_IA		Vagnari		Italy
S15	Bronze 9	51.7	79.8	F	0.47	K2b	K2b	K2b	K2b	K2b																		KeyserHansGenet2009		1800-1400 BC	-1600	-1800	-1400	Andronovo	Sakesoisermak_I		Sakesoisermak I, Krasnoyarsk I burial 29	Russia	
MD66	FS5	37.7	12.9	F	164.9	K2b1	K2b1	K2b1	K2b1	K2b1																		FernandezNatEcolEvol2020	Direct: 95.4%; ind:AC2, Cm	4868-4735 calBCE (5	-4865	-4938	-4735	Sicily_MN	Sicily_MN	Italy_Sicily_MN	Sicily, Pessato di Strette Portara	Italy	
RO596		48.5	7.47		3	K2b1	K2b1	K2b1	K2b1	K2b1																		BrunelPhil2020		4700-4500 calBC	-4600	-4700	-4500	France_MNL	Grougnardach		Rosheim	Rosheim "Altdorf"France	France
PDP06	SU878 U226	45.3	18.7	F	316.301	K2b1	K2b1	K2b1	K2b1	K2b1																		FreidlsOlcRep2021	Archaeological Context	4700-4300 BCE	-4500	-4700	-4300	2.3-5	Croatia_MN	Sopot culture		Croatia_Pop_MN	Croatia
KUR14(SK26)	TU914, 85-2 (Komplex	47.5	9.29		0.62	K2b1	K2b1	K2b1	K2b1	K2b1																		FurtwangenPierNatCommun2020	Direct: 95.4%; ind:AC2, Cm	2461-2291 calBCE (3	-2372	-2461	-2291	Switzerland_PN	Late Horgen culture/Bell Beaker Sc		Switzerland_EBA_1	Wartau (CH)	Switzerland
I6468	FD553	50.2	14.3	F	158	K2b1	K2b1	K2b1	K2b1	K2b1																		OlalaBeMarur2018	Context: Archaeological con	2500-1900 BCE	-2200	-2500	-1900	Bell_Beaker	BK_Czech_CZE	Czech_BellBeaker	Velké Přílepy	Vel	Czech Republic
I6289	Bu368, grave 3036	37.9	13.5	F	248	K2b1	K2b1	K2b1	K2b1*	K2b1*																		FernandezNatEcolEvol2020	Direct: 95.4%; ind:AC2, Cm	2618-2518 calBCE (2	-2568	-2618	-2518	Sicily_BA	Sicily_MBA	Italy_Sicily_MBA_o3	Sicily, Buffa		Italy
PM-23		57.6	13.8		90.14	0.39	K2b1	K2b1	K2b1	K2b1																		DiramFromSlavenSt2021	Archaeological Context	9th-7th c. BC	-750	900	-600	Sicily_IA	Sicania IA		Polizzello		Italy
Rebolal		42.6	8.14	U	0.86	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		GonzalezFortesProcRSocLond8		5450-5111 calBCE	-5400	-5621	-5159	Iberia_Chc	Iberia_CN		Rebolal, Tierra de Cuenca	Spain	
PV517	PV91/5137Pala da Vel	42.5	7.04	U	0.82	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		GonzalezFortesProcRSocLond8		5172-5132 calBCE	-5212	-5344	-5080	Iberia_Chc	Iberia_CN		Pala de vella, Ruiloa, Ourense	Spain	
ans007	Ansarne 7	57.5	18.1	U	0.77	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		FraserJeChaeoSciRep2018		3510-2890 calBCE	-2950	-3510	-2890	39.6-100	Megalithic	Funnelbeaker	Gotland_MN	Ansarne dolmen 1982, Tofta, Gotland	Sweden	
ans009	Ansarne 9	57.5	18.1	U	0.74	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		FraserJeChaeoSciRep2018		2880-2630 calBCE	-2755	-2880	-2630	18-40	Megalithic	Funnelbeaker	Gotland_MN	Ansarne dolmen 1982, Tofta, Gotland	Sweden	
SK1904	Sc 2!	40.8	8.6	F	280.3	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		MarcusMeCommun2020		2910-2700 calBCE	-2807	-2913	-2699	Sardinia_LCA	Sardinia_LCA		Sennori, SA5	Serra Crabiles, L'Ibale	Italy
Ta_1	Ta_1	49.3	86.3		0.35	K2b1a	K2b1a	K2b1a	K2b1a	K2b1a																		UnterlaenderNatCommun2017		4th-3rd c. BCE	-300	-400	-200	Pazyryk	Pazyryk Kazakh		Tar Asu	Kazakh Altai	Kazakhstan
LI10Dent	5960, MH359615.1	51.5	-0.07	M	0.09	K2b1a	K2b1a	K2b1a	K2b1a*	K2b1a*					G13135A	Y-Full												KluskAmPhysAnthropol2019		1449 AD	1449	1324	1574	England_MIA	England BD-Medieval		East Smithfield	MINBL Period 2	England
I5527	FG215	48.7	11.5	F	236.8	K2b1a1	K2b1a1	K2b1a1	K2b1a1	K2b1a1																		OlalaBeMarur2018	Archaeological con	2800-1800 BCE	-2300	-2800	-1800	Bell_Beaker	BK_Germany_BelBeaker	Germany_BellBeaker	Manching-Oberstimm, Bavaria Han		Germany
LM79mt	15339, MH359733.1	51.5	-0.08	M	0.11	K2b1a1	K2b1a1*	K2b1a1*	K2b1a1*	K2b1a1*					C14270T	Y-Full												KluskAmPhysAnthropol2019		1225 AD	1225	1120	1250	England_EIA	England Pre-BD Medieval		St. Mary Spital	SRPML Phase 05 England	
LG42mt	12432, MH359678.1	51.5	-0.07	U	0.44	K2b1a1a	K2b1a1a*	K2b1a1a*	K2b1a1a*	K2b1a1a*					C12227T	Y-Full												KluskAmPhysAnthropol2019		1469 AD	1469	1444	1494	England_MIA	England Post-BD Medieval		St. Mary Graces	MINBL Period 2	England
LI10Dent	A2721 a2883, MH359	55.9	9.86		10.6	K2b1a4	K2b1a4*	K2b1a4*	K2b1a4*	K2b1a4*																		KluskAmPhysAnthropol2019		700 AD	700	1675	1725	Anglo-Saxon	Anglo-Saxon MA Medieval		Kloosterkinsle		Denmark
GLR001		44.1	12.2	F		K2b1b	K2b1b	K2b1b	K2b1b	K2b1b																		SaupeCurrBio2021	Archaeological Context	not dated	-799	-874	-704	Italy_Gattolino_CA	Italy_Gattolino_CA		Gattolino		Italy
IBEpor154		48.1	21.7	F	0.29	K2b2	K2b2*	K2b2*	K2b2*	K2b2*																		MaleBohoNat2021		940-3275 AD	1008	940	3275	Magyar	Early Hungarian (village cemetery)		Brány-Edelhalom, Szabolcs-Sz	10th century villa	Hungary
arm1	G9_Armenia	40.9	43.8		0.51	K3	K3	K3	K3	K3																		MargeryanCurrBio2017		3000-2800 BC	-2900	-3000	-2800	Kura_Araxes	Kura-Araxes		Kaps	Tomb 1; G9	Armenia
arm3	G12_Armenia	40.9	43.8		0.46	K3	K3	K3	K3	K3																		MargeryanCurrBio2017		3339-2864 BC (4383	-3101	-3413	-2461	-240.5	Kura_Araxes	Kura-Araxes		Tomb 1; G11	Armenia	
MG49	M110284	35.8	104 F		0.1	M10	M10	M10	M10	M10																		LIBMCEvolBio2017		4000 BP	-2040	-2250	-1850	China_DQiang	Early Di-Qiang	Mogou	Mogou cemetery, Gansu, Gangqing region	China	
Y55		35.8	103 U		0.09	M10	M10	M10	M10	M10																		GaoAncPhysAnthropol2007		1,800-4,000 yBP	-1900	-2000	-1800	6-8yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
Y8		35.8	103 M?		0.08	M10	M10	M10	M10	M10																		GaoAncPhysAnthropol2007		3,800-4,000 yBP	-1900	-2000	-1800	11-14yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
Y11		35.8	103 U		0.09	M10	M10	M10	M10	M10																		GaoAncPhysAnthropol2007		1,800-4,000 yBP	-1900	-2000	-1800	7-9yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
M21568i		35.5	111 U		0.07	M10	M10	M10	M10	M10																		ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	10s	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi	Pinmadated date China	
M21646i		35.5	111 U		0.07	M10	M10	M10	M10	M10																		ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	14-15	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi	Pinmadated date China	
M20021		35.5	111 F		0.07	M10	M10	M10	M10	M10																		ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	25s	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi P	Tomb master	China
PW7		35.9	107 F		0.06	M10	M10	M10	M10	M10																		ZhaoXiMonCurrGen2010		770 - 256 BC	-513	-770	-256	China	Pengguang people, Dongzhou period		Wangdaihu, Pengguang, southern	Xingqiu	China
Gaoxerk3C		38.1	85.5	M	0.08	M10	M10	M10	M10	M10																		GangAmPhysAnthropol2010		2800-2100 yBP	-1000	-1250	-750	China_West_LN	Xinjiang LA		Gaoxerk, near Chärchän or Qiemo,	Xinjiang	China
X719		36.7	102 F		0.04	M10	M10	M10	M10	M10																		ZhaoAnnPhysAnthropol2011		700-1900 yBP	-200	100	1900	China_BA	Hen to En Dynasty		Taojiazhai, Nihewang area		China
CenxueXP13		23.4	107 F	204		M10 (91.63%)	M10	M10	M10	M10																		WangCA2021		1,511-1,310 calBP	539.5	439	640	Asia_SE_Historical	Guangxi Historical group, 1-7-D.2k	LaCen	Cenxue, Guangxi, China	KP13	China
D1054	C113, Huashengyuan1	40	97.7		0.14	M10a1	M10a1	M10a1	M10a1	M10a1																		WangCA2021		3039-2864 BC (4383	-2413	-2461	-2405	Kura_Araxes	Kura-Araxes		Tomb 1; G11	Armenia	
JAA001	AF-010	47.8	109 F		0.13	M10a1b	M10a1b	M10a1b	M10a1b	M10a1b																		LIBMCEvolBio2017		4000 BP	-2040	-2250	-1850	China_DQiang	Early Di-Qiang	Mogou	Mogou cemetery, Gansu, Gangqing region	China	
JJ692	Ayr 40	41.5	75.8	F	0.07	M10a1a+16129	M10a1-G16129A	M10a1-G16129A	M10a1-G16129A	M10a1-G16129A																		GaoAncPhysAnthropol2007		1,800-4,000 yBP	-1900	-2000	-1800	6-8yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
SCY333	K138151, KX977318.1	48.2	27.3		0.35	M10a1a1a*	M10a1a1a*	M10a1a1a*	M10a1a1a*	M10a1a1a*																		GaoAncPhysAnthropol2007		3,800-4,000 yBP	-1900	-2000	-1800	11-14yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
ust9102	I4058 E	46.7	28.8 F		0.26	M10a1a1a	M10a1a1a	M10a1a1a	M10a1a1a	M10a1a1a																		GaoAncPhysAnthropol2007		3,800-4,000 yBP	-1900	-2000	-1800	7-9yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	China	
ARG002	AT-764	47.9	105 F		0.05	M10a2	M10a2	M10a2	M10a2	M10a2																		ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	10s	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi P	Pinmadated date China	
LJM7		36.5	102 F	5.29731	0.1	M11	M11	M11	M11	M11																		ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	14-15	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi P	Pinmadated date China	
S91	S91	37.8	109 F		96.08	M11a	M11a	M11a	M11a	M11a					M11a	ReichLab_v44.3												ZhaoPLoSONE2015		ca. 3000 YBP	-1000	-1200	-800	25s	China_LN	Peng Chen, vassal of Zhou Dynasty		Hengbei, Jiang County, Shanxi P	Tomb master	China
Tu_A4122	M17	36.7	117		244.8	M11a	M11a	M11a	M11a	M11a																		GangAmPhysAnthropol2010		300 to 900 cal AD	645	990	1950	Pastoral_MA	Wangdaihu, Pengguang, Dongzhou		Wangdaihu, Pengguang, southern	Xingqiu	China
JEZKL M14-1		37.8	75.2		154.14	0.72	M11a1h	M11a1h	M11a1h	M11a1h																		WangSCAdv2021		2680-2348 BP	-564	-730	-398	Xinjiang_SIB_LA	SWD2ZKL_LA		Jeznankale (ZEKL), Taxkorgan County	China	
LLD-A05-A03	M39	41.5	75.8	F	491.72	M11a1	M11a1	M11a1	M11a1	M11a1																		LuGuBaJ2021	Inland Funerary objects	1500-1800 BP				China_LN			Jean_Louis-Pierre-Jean-Marie		China
I2468	Rpr 38	41.5	75.8	F		M11a1	M11a1	M11a1	M11a1	M11a1																	89750	0.13	PASS (Ilan/n/a			150	350	645	Hun	Tiantšhan Hun		Kyrgyzstan_Tiantšhan_Hun.SG	Tian Shan	Kurgan nr. Zi, Barkrystan
L3314_L3191	C514, YuzhuGZ-1	34.3	95.5		0.1	M11a2	M11a2	M11a2	M11a2	M11a2																		DingPhysCurBio2020		553-511 calBP	1418	1397	1439	Tibet_MA	Tibet_MA_Yushu		Qinghai	Yushu	Tibet
BQ-A01-I8	M31-I8	30.3	114		314.86	0.27	M31c	M31c	M31c	M31c																		LuGuBaJ2021	coastal Downloop	1500-1300 BP	-3450	-3550	-3350	China_East_N	Coastal Downloop		Jimo_Beijiacun site	M31-I8	China
JEZKL M25-2		37.8	75.2		244.07	0.15	M34	M34	M34	M34																		WangSCAdv2021		2680-2348 BP	-564	-730	-398	Xinjiang_SIB	SWD2ZKL_LA		Jeznankale (ZEKL), Taxkorgan	China	
Laang Pannnge	Besai	-4.91	120 F			M1	M1	M1	M1	M1					74895; C10-3164insC, 41310, 62180, 10653A, 13951	Haplofind												charred Canarium sp. seed	7264-7165 cal BP	-5265	-5314	-5215	Indonesia_MG	pre-Neolithic forager (Toalean' technocomplex)		Limestone cave of Leang Pannge,	South Sulawesi Indonesia	
B4		43.3	-2.99		0.05	M1	M1	M1	M1	M1																		Alsuaide2005		500-700 AD	600	550	700	Iberia_EMA	North Iberia Early Middle Ages		Aldaiata		Spain
B3		43.3	-2.99		0.05	M1	M1	M1	M1	M1																		Alsuaide2005		500-700 AD	600	500	700	Iberia_EMA	North Iberia Early Middle Ages		Aldaiata		Spain
Ulmum-Nakiht	Tomb of Two Brother	27.1	31.2		0.18	M1a1*	M1a1*	M1a1*	M1a1*	M1a1*					G8251A, G16145A			capture only										maternal half-brother of Ornosuchus	Ulm Dynasty(-1985-	-1879	-1985	-1773	Egypt_Ancient	Egypt_Ancient		Der Rifeh cemetery, Middle Eg	Tomb of Two Brothe	Egypt
SK26		37.8	41.4 F		0.11	M1a1	M1a1	M1a1	M1a1	M1a1																		YakahmPhysAnthropol2018		1st-4th c. AD	-300	-395	-205	Adult 150	Parzan		Late Achaemenid Period		Iran
SK2053	1666	28.9	31.2 F		0.09	M1a1*	M1a1*	M1a1*	M1a1*	M1a1*																		SchaposnikPanDiscCommun2017		3? caBC - 48 caBAD	-5.5	-48	30.40	Egypt_Roman_Ptolemaic	Egypt_Roman_Ptolemaic		Abusir el-Meleq	Pre-Ptolemaic period	Egypt
JK2353	1547	29.9	31.2 F		0.09	M1a1*	M1a1*	M1a1*	M1a1*	M1a1*																		SchaposnikPanDiscCommun2017		91-212 caE AD	151.5	91	212.30	Egypt_Roman	Roman period		Abusir el-Meleq	Egypt	
PJZperv418		47.3	21.1		0.05	M1a1b1	M1a1b1	M1a1b1	M1a1b1	M1a1b1					73G 195C 1513A 1412BG		73G 195C 2639A											MaleBohoNat2021		3?-11th cemetery	500	900	1100	Magyar	Early Hungarian (village cemetery)		Fopahátsó cemetery (village	Hajdúböszörmény, Hajdúszoboszló	Hungary
JK2981	1633	29.9	31.2		0.11	M1a1e	M1a1e*	M1a1e*	M1a1e*	M1a1e*																		SchaposnikPanMCommun2017		399-376 cal BC	-887.5	-399	-376	Egypt_Pre_Ptolemaic	Pre-Ptolemaic period		Abusir el-Meleq		Egypt
JB829	KFRAS.S.01	0.46	36.7 F		113.9	0.39	M1a1f	M1a1f	M1a1f	M1a1f																		PrendergastSoc2019	Direct: 95.4%; ind:AC2, Cm	1260-800 calBCE (287	-1030	-1260	-800	Africa_Pastoral	Africa_Pastoral		Kisima Farm 4	Kenya_PastoralN_published	Kenya
JK2963	1655	29.9	31.2 F		0.43	M1a1i	M1a1i	M1a1i	M1a1i	M1a1i																		SchaposnikPanMCommun2017		cal BC 1211-1126	-1168.5	-1211	-1126	20-30	Egypt_Pre_Ptolemaic	Pre-Ptolemaic period		Abusir el-Meleq		Egypt
JK2135	1616	29.9	31.2 F		0.40	M1a1k	M1a1k	M1a1k	M1a1k	M1a1k																		SchaposnikPanMCommun2017		402-321 calBC	-361.5	-402	-321	Egypt_Pre_Ptolemaic	Pre-Ptolemaic period		Abusir el-Meleq		Egypt
J8TM		43.8	10.5		0.48	M1a5	M1a5	M1a5	M1a5	M1a5																		LeonardAnnPhysAnthropol2018		5000 BP	-3000	-3500	-2500	Italy_IA	Central_Italy_PN		Buca Tana di Maggiano (Lucca)		Italy
MAR_3	IAM0753, MF991451	33.8	-7.09 F		0.37	M1b1	M1b1	M1b1	M1b1	M1b1																		FregatPNAS2018	Direct: 95.4%; ind:AC2, Cm	1407-1326 calBCE (3	-1367	-1407	-1326	30-40	Morocco_IA	Morocco_IA	Ifri n'Ammi or Skhounate, Ifrane	Morocco	Morocco
MPaper26		47	21.6		0.05	M1b2	M1b2	M1b2*	M1b2*	M1b2*																		MaleBohoNat2021		10th c. vs. 11th-12th	1050	900	1200	Magyar	Early Hungarian (village cemetery)		Magyarhomorog-Kónyadomb,	9 10th-quarter cemetery	Hungary
V683	17881, BE.MOD.MT	20.4	105 F		0.15	M20	M20	M20	M20	M20																		McCallDiscovea2018	Direct: 95.4%; ind:AC2, Cm	2343-2049 calBCE (3	-2218	-2343	-2049	Vietnam_N	Vietnam Neolithic (upper layer)	Vietnam	Man Da Site	Vietnam_LN.SG	Vietnam
R1b1a23	Square E-7, N-14 (26.	53	57.1 F		0.07	M12'G	M12'G	M12'G	M12'G	M12'G																		AllentoftNature2015	Direct: 95.4%; ind:AC2, Cm	1531-1403 calBCE (3	-1461	-1531	-1403	Mezhovskaya	Steppe_MLBA_West		Russia_Mezhovskaya.SG	Kapova cave	Russia
MG43	M133785	35.4	104 F		0.12	G	G	G	G	G																		LIBMCEvolBio2017		4000 BP	-2040	-2250	-1850	China_DQiang	Early Di-Qiang		Mogou cemetery, Gansu, Gangqing region	China	
MG59	M148883	35.8	104 F		0.12	G	G	G	G	G																		LIBMCEvolBio2017		4000 BP	-2040	-2250	-1850	China_DQiang	Early Di-Qiang	Mogou	Mogou cemetery, Gansu, Gangqing region	China	
TSBL_BA_KM035B1		18	42.8	93.5 M	0.1	G	G	G	G	G																		GaoAncPhysAnthropol2015	Context: Archaeological con	1800-1300 BC	-1600	-1800	-1300	Xinjiang_East_BA	Tiantšhanbelu culture		Tiantšhanbelu, Kumul City, Xinjiang	China	
TSBL_BA_KM035B1		22	42.8	93.5 F	0.1	G	G	G	G	G																		GaoAncPhysAnthropol2015	Context: Archaeological con	1900-1300 BC	-1600	-1900	-1300	Xinjiang_East_BA	Tiantšhanbelu culture		Tiantšhanbelu, Kumul City, Xinjiang	China	
A_3	A_3	52.1	93.6		0.07	G	G	G	G	G																		UnterlaenderNatCommun2017		7th-6th c. BCE	-600	-700	-500	Uyuk	Alds-Bel	Alds Bel	Tuva	Archan 2	Russia
A_11	A_11	52.1	93.6		0.07	G	G	G	G	G																		UnterlaenderNatCommun2017		7th-6th c. BCE	-600	-700	-500	Uyuk	Alds-Bel	Alds Bel	Tuva	Archan 2	Russia
B1_1*	B1_1*	49.8	89.1		0.07	G	G	G	G	G																		UnterlaenderNatCommun2017		4th-3rd c. BCE	-300	-400	-200	Pazyryk	Pazyryk Russia Chuya		Russian Altai (Chuya)	Barbargazy 1	Russia
Y5		37	80.1 U		0.06	G	G	G	G	G																		KiefingNatSci2007		217 BC-283 AD	34	-217	283	China_Quin	Quin to Western Jin		Sampula, Luo Country, Xinjiang	Khotan	China
Yuhong2		37.9	113 F		0.04	G	G	G	G	G																		KiefingNatLuoJiB2007		1-60 AD	600	550	650	China_Sui	Sui Dynasty		Tomb of Yu Hong	Sui Shuiyu Province	China
M43_250_500.4768		46.3	20.5 M		0.08	G	G	G	G	G																		CoDuSciRep2016		10th c. AD	950	900	1000	Magyar	Hungary Conquest		M43-25 Jelölhely Makó-sápé jár		509 Hungary
Huaqiaoshi2	C25	25.1	108 F	191		G1 (94.06%)	G1	G1	G1	G1																		WangCA2021		513-325 calBP	1935	1511	1437	Asia_SE_Historical	Guangxi Historical group, 1-7-D.2k	GaoHuaHua	Huaqiao, Guangxi, China	Cave 24b.2k	China
BQ-MBB	M8B	30.3	114	263.13	0.22	G1a	G1a	G1a	G1a	G1a																		LiuGuBaJ2021	coastal Downloop	1500-1300 BP	-3450	-3550	-3350	China_East_N	Coastal Downloop		Jimo_Beijiacun site	MBB	China
YZ-M11	M11	35.7	117	523.11	0.18	G1a	G1a	G1a	G1a	G1a																		LiuGuBaJ2021	Inland archaeological site	600-420 BP	-1450	-2050	-850	China_N	Asia_East_Inland_LN		Jiang_Suhui_Yinjiacheng site		China
J12_9	J12_9	49.8	89.3		0.13	G1a1	G1a1	G1a1	G1a1	G1a1																		UnterlaenderNatCommun2017		4th-3rd c. BCE	-300	-400	-200	Pazyryk	Pazyryk Russia Chuya		Russian Altai (Chuya)	Justyd 12	Russia
Kolešino-Gál 11 (25)		47.5	20.5		0.38	G1a1a1	G1a1a1	G1a1a1	G1a1a1	G1a1a1																		GubaevaGenet2011		ca. 5500-4500 BC	-5000	-5500	-4500	Alföld_Linear_Pottery	Alföld Linear Pottery Culture	ALP	Kolešino-Gál		Hungary
BRL001	AT-296	49.3	106 F		0.03	G1a1a	G1a1a	G1a1a	G1a1a	G1a1a																		JeongCal2020		1300-1400 CE	1349	1300	1406	Mongol	Mongol	Mongolia_Mongol	Buural'Uul, Selenge	Circular grave	Mongolia
I11380	MH9984	50.6	151 F		0.58	G1b	G1b	G1b	G1b	G1b					HaploGrep												SikoAhaiev2019		1301-957 calBCE (3	-1118	-1265	-957	Yamnaya_Samara	Magyar, Magyar	Russia_Magyar	Russia_Magyar_BA_dup:I11380.SG	Volga	Russia
UsuAhoNmD-17x	D-No. 75	42.3	141		0.11	G1b	G1b	G1b	G1b	G1b	G1b-1																	AdachiAhmPhysAnthropol2011	Context: Archaeological con	2,500-2,000 years B	-300	-550	-50	Japan_Jomon	Epi-Jomon (Esan culture)		Usu-Moshiri (Usu-10)		Japan
UsuAhoNmD-17x	c.No. 17 (adult)	42.3	141		0.11	G1b	G1b	G1b	G1b	G1b	G1b-1																	AdachiAhmPhysAnthropol2011	Context: Archaeological con	2,500-2,000 years B	-300	-550	-50	Japan_Jomon	Epi-Jomon (Esan culture)		Usu-Moshiri (Usu-10)		Japan
UsuAhoNmD-17c	c.No. 17 (child)	42.3	141		0.11	G1b	G1b	G1b	G1b	G1b	G1b-1																	AdachiAhmPhysAnthropol2011	Context: Archaeological con	2,500-2,000 years B	-300	-550	-50	Japan_Jomon	Epi-Jomon (Esan culture)		Usu-Moshiri (Usu-10)		Japan
UsuAhoNmD-G5-20N-G5-No. 208		42.3	141		0.11	G1b	G1b	G1b	G1b	G1b	G1b-1																	AdachiAhmPhysAnthropol2011	Context: Archaeological con	2,500-2,000 years B	-300	-550	-50	Japan_Jomon	Epi-Jomon (Esan culture)		Usu-Moshiri (Usu-10)		Japan
UsuAhoNmD-H4		42.3	141		0.11	G1b	G1b	G1b	G1b	G1b	G1b-1																	AdachiAhmPhysAnthropol2011	Context: Archaeological con	2,500-2,000 years B	-300	-550	-50	Japan_Jomon	Epi-Jomon (Esan culture)		Usu-Moshiri (Usu-10)		Japan
MinamiSuk		43	141		0.1	G1b	G1b	G1b	G1b	G1b	G1b-1																	ca. 2000 BP	-1	-250	250	Japan_Jomon	Epi-Jomon		Minami-Usu 6		Japan
MYR-4	44	144				G1b	G1b	G1b	G1b	G1b					

Object-ID	Colloquial-Skeletal	Lat	Lon	Length	Sex	mtDNA-cons	FAst	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-FT-FTDNA-mt-Haplotree	mt-Sim-hG-hVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAst-Y-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FTDTYfull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree	Y-Sym-Y-Symbol	Responsible-SN	SNPs	Autosomi-Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
M305/1		35.5	111	f		0.07	M7		M7	M7	M7																							ZhaoPLoS0NE2015		ca. 3000 YBP	-1000	-1200	-800	25-30	China_IA	Peng Chen, vassal of Zhou Dynasty	Hengbei, Jiang County, Shanxi P'Tomb master	China	China
Kitadaigane7		40.4	141			0.2	M7a'		M7a	M7a	M7a																							AdachiAnthPhysAnthropol2011	Context: Archaeological ca	ca. 6000 BP	-4000	-4500	-3500		Japan_Jomon	Early Jomon	Kita-Kaigane	Japan	Japan
Kaioiti		35.6	140				M7a		M7a	M7a	M7a																							MizunoSciRep2021	Archaeological context	--	-3010	-3550	-2470		Japan_Jomon	Middle Jomon	Kaioiri shell midden	Japan	Japan
Funadomari11 No. 11		45.4	141	F		0.14	M7a'*		M7a	M7a	M7a																							AdachiAnthPhysAnthropol2011	Archaeological context	3,800–3,500 years B	-3700	-3900	-3500	Adult	Japan_Jomon	Late Jomon Hokkaido	Funadomari	Japan	Japan
OMS-11		45.4	142				M7a		M7a	M7a	M7a																							SakaiAnthropolSci2009	Archaeological context	5th-13th c.	850	400	1300		Chihotsk	Chihotsk	Omisaki, Hokkaido	Japan	Japan
PR6-1		45.4	142				M7a		M7a	M7a	M7a																							SakaiAnthropolSci2009	Archaeological context	5th-13th c.	850	400	1300		Chihotsk	Chihotsk	Pirikatsi, Hokkaido	Japan	Japan
Hosoura No.2		39	142				M7a2		M7a2	M7a2	M7a2+a2+a2+a2+a2+a2																							Jomon Period		1485 - 2470	-500	-2470		Japan_Jomon	Jomon period (assumed Late)	Tohoku	Japan	Japan
UsuMokoshiHG-13 G.No.3--1011		42.3	141				M7a2		M7a2	M7a2	M7a2																							AdachiAnthPhysAnthropol2011	Context: Archaeological ca	2,500–2,200 years B	-300	-550	-50		Japan_Jomon	Epi-Jomon (Esan culture)	Usu-Mokohi (Usu-10)	Japan	Japan
Futago Kiri003		38.1	141				M7a2a		M7a2a	M7a2a	M7a2a+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Tohoku	Japan	Japan
Usuzawa NoName		39	142				M7a2a		M7a2a	M7a2a	M7a2a+a2+a2+a2+a2+a2a1																							Jomon Period		1485 - 2470	-500	-2470		Japan_Jomon	Jomon period (assumed Late)	Tohoku	Japan	Japan
Iri69		42.5	141			0.15	M7a		M7a	M7a	M7a+a2+a7+a2+a7+a2a																							AdachiAnthPhysAnthropol2011	Context: Archaeological ca	6,000–3,000 years B	-2500	-4000	-1000		Japan_Jomon	Early to Late Jomon	Iri	Japan	Japan
Kitadaigane JM-14		42.4	141			0.12	M7a		M7a	M7a	M7a+a2+a7+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Hokkaido	Japan	Japan
Higashikubihiro No.6		43	144			0.12	M7a3		M7a	M7a	M7a+a2+a7+a2+a7+a2a1																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Hokkaido	Japan	Japan
Kawabata-2 No. 1		33	131			0.14	M7a1		M7a1	M7a1	M7a1+a2+a7+a2+a7+a2a1																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Kyushu	Japan	Japan
Kamasaki 1978		38.1	141			0.14	M7a1*		M7a1	M7a1	M7a1+a2+a7+a2+a7+a2a1																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Tohoku	Japan	Japan
Higa006		33.3	130				M7a1a		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							MizunoSciRep2021	Radiocarbon date	2,934–2,792 cal BP	-1013	-1084	-942		Japan_Jomon	Initial Jomon	Higashimyosu shell middden	Japan	Japan
Tosfo5		35.6	140				M7a1a		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							MizunoSciRep2021	Radiocarbon date	6,210–6,094 cal BP	-4202	-4260	-4144		Japan_Jomon	Early Jomon	Todoroki shell midden	Japan	Japan
MB-TB27		26.1	128				M7a1a		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Late Jomon	Mabuchi Nakatsuru	Japan	Japan
Iejima 1		26.7	128			0.14	M7a1a1*		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Okinawa	Japan	Japan
Iejima M1		26.7	128			0.14	M7a1a		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Okinawa	Japan	Japan
Iejima M2		26.7	128			0.14	M7a1a		M7a1a	M7a1a	M7a1a+a2+a7+a2+a7+a2a																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Okinawa	Japan	Japan
Tsukumo No.1		37.3	137			0.14	M7a1a1*		M7a1a1	M7a1a1	M7a1a+a2+a7+a2+a7+a2+a7a1																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Cyugoku	Japan	Japan
Tsukumo mubango		37.3	137			0.14	M7a1a1*		M7a1a1	M7a1a1	M7a1a+a2+a7+a2+a7+a2+a7+a2a1																							Kaizuka2017		Jomon Period	-1485	-2470	-500		Japan_Jomon	Jomon period (assumed Late)	Cyugoku	Japan	Japan
Shimanotobyama2		35.3	132			0.13	M7a1a4		M7a1a4	M7a1a4	M7a1a+a2+a7+a2+a7+a2a1																							ShinodaAnthropolSci2019	Context: Historical period	1000-800 BC	-900	-1000	-800		Japan_Jomon	Yayoi period	Shimanotobyama Rock Shelter site, Sawbo, Naga	Japan	Japan
I2947		VN20, 05.MB.M16	22.5	105.F		--	0.16	M7b		M7b	M7b																									1900-1600 BCE	-1900	-2200	-1600		Vietnam_N	Vietnam_Neolithic	Vietnam_NE	Man Bac	Vietnam
I6627		VN34, 0.7.MB.H1.M6	22.5	105.F		--	0.13	M7b1		M7b1	M7b1a1																							126212	0.12552	QUESTION/n/a	Liqian&Jeanne2018	Direct: 95.4%; IntCal20, Cu	2133-1892 calBCE (3	-2033	-2133	-1892		Vietnam_N	Vietnam_Neolithic	Vietnam_N_all	Man Bac	Vietnam
V1808		20.8&B, 77.NR.M14.KJ	19.8	106.F			0.11	M7b1a1		M7b1a1	M7b1a1+a2+a7+a2+a7+a2a1																					102192	0.09263	0.54 PASS (Pre-Vietnam, Northern Thai	MacEd&Jones2018	Direct: 95.4%; IntCal20, Cu	2191-2000 calBCE (2	-2095	-2191	-2000		Vietnam_N	Dong Son Culture	Vietnam_and_DongSonCulture.SG	Nui Nap	Vietnam
Balangk0106		24.1	108	M		0.11	M7b2		M7b2	M7b2	M7b2																							26,264	0.022	1st degree Balangk0106	Wang&Cai2021	*1,500 calBP	1,500	450	450	500	Asia_JK_Historical	Guangxi Historical group_1.7-0.2k	Zé-à Balang0106-Female	Balong, Guangxi, China	Cave 3AD06	China
Balangk0102		24.1	108		168	M7b1a1 (98.04%)	M7b1a1		M7b1a1	M7b1a1	M7b1a1+a2+a7+a2+a7+a2a1																					60,038	0.402	1st degree Balangk0106	Wang&Cai2021	1,568–1,409 calBP	1,568-1,409 cal BP	461.5	382	541	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	BaBian0Cjen	Balong, Guangxi, China	Cave 3B10	China
Huaduyao001		25.1	108.F		440	M7b1a1 (98.29%)	M7b1a1		M7b1a1	M7b1a1	M7b1a1+a2+a7+a2+a7+a2a1																					74,199	0.065		Wang&Cai2021	477-312 calBP	477-312 cal BP	1555.5	1473	1638	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	GaoHuaYua	Huaduyao, Guangxi, China	N.11	China
Balangk0108		24.1	108	M	122	M7b1a1a (95.3%)	M7b1a1a		M7b1a1a	M7b1a1a	M7b1a1a+a2+a7+a2+a7+a2a1																							Wang&Cai2021	*1,500 calBP	*1,500	450	400	500	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	Zé-à Balang0110	Balong, Guangxi, China	Cave 3AD08	China
Timwang		23.8	108	M	49	M7b1a2 (93.68%)	M7b1a2		M7b1a2	M7b1a2	M7b1a2+a2+a7+a2+a7+a2a1																							Wang&Cai2021	*1,500 calBP	1,450	1400	1500	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	Zé-à HuaduyaoNA10	Timwang, Guangxi, China		China
BRG001	AT-650	49.2	105.F			0.13	M7b1a1a2		M7b1a1a2	M7b1a1a2	M7b1a1a2+a2+a7+a2+a7+a2a1																							JeongCell2020			1350	1350	1400		Mongol	Mongol	Burgaldzin Khundii, Selenge		Mongolia
Siyang0717		23.3	108.F		276	M7b1a1a2 (95.76%)	M7b1a1a2		M7b1a1a2	M7b1a1a2	M7b1a1a2+a2+a7+a2+a7+a2a1																							Wang&Cai2021	1,467–1,307 cal BP	483	643	323	Asia_JK_Historical	Guangxi Historical group_1.7-0.2k	Siyang	Siyang, Guangxi, China	KP17	China
CenxuanKP07		23.4	107.M		157	M7b1a1a3 (99.05%)	M7b1a1a3		M7b1a1a3	M7b1a1a3	M7b1a1a3+a2+a7+a2+a7+a2a1																							Wang&Cai2021	1,366–1,293 cal BP	630.5	584	657	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	LaCen	Guangxi Province, China	KP07	China
CenxuanKP25		23.4	107.F		49	M7b1a1a3 (93.87%)	M7b1a1a3		M7b1a1a3	M7b1a1a3	M7b1a1a3+a2+a7+a2+a7+a2a1																							Wang&Cai2021	1,467–1,307 cal BP	583	483	643	Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	BaBianJiCen	Cenxuan, Guangxi, China	KP25	China
I14925	M79	24.3	122.F		35.49	M7b1a1a1	M7b1a1a1		M7b1a1a1	M7b1a1a1	M7b1a1a1+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1																							Wang&Nature2021	Context: Direct date(s) from	1-800 CE	400	1	800		Taiwan_LIA	Taiwan_Hanben	Taiwan_Hanben_LA	Yilan, Hanben	Taiwan
I14927	M88.2	24.3	122.F		15.38	M7b1a1a2	M7b1a1a2		M7b1a1a2	M7b1a1a2	M7b1a1a2+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1																							Wang&Nature2021	Context: Direct date(s) from	1-800 CE	400	1	800		Taiwan_LIA	Taiwan_Hanben	Taiwan_Hanben_LA_Ic	Yilan, Hanben	Taiwan
GTO002	AT-624	45.2	114.F			0.04	M7b1b		M7b1b	M7b1b	M7b1b+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1																							JeongCell2020			1350	1350	1400		Mongol	Mongol	Mongolia_Mongol	Gangin Tsagaan Ovoo, Sukhbaa-		Mongolia
Obi-2014-A038		27.9	70.F			0.11	M9		M9	M9	M9																							Lipson2018	10^-6; AD	950	900	1000		Magyar	Hungary Conquest		Szegvár-Oromdűlő	237	Hungary
U179	20179, NN.M93	19.8	106.F			0.49	M9b1b2b		M9b1b2b	M9b1b2b	M9b1b2+a2+a7+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1																							125316	0.11458	0.51 PASS (Pre-Vietnam, Northern Thai	MacEd&Jones2018	Direct: 95.4%; IntCal20, Cu	2186-2034 calBCE (224	-2136.5	-2186	-2037		Vietnam_IA	Dong Son Culture	Vietnam_BA_DongSonCulture.SG	Nui Nap	Vietnam
Gaofeng4@L23		29.5	108.M	F	157	M9b1b2b (94.68%)	M9b1b2b		M9b1b2b	M9b1b2b	M9b1b2+a2+a7+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1																							18,341	0.015	2nd degree Huaduyao001	Wang&Cai2021	411 cal BP	411 cal BP	1530	1530	1550	Asia_JK_Historical	Guangxi Historical group_1.7-0.2k	GaoHuaYua	Gaofeng, Guangxi, China	NL23	China
I13692	M179	24.3	122.F		132	0.07	M9c1c3		M9c1c3	M9c1c3	M9c1c3+a2+a7+a2+a7+a2+a7+a2a1																							Wang&Nature2021	Context: Direct date(s) from	1-800 CE	400	1	800		Taiwan_LIA	Taiwan_Hanben	Taiwan_Hanben_LA	Yilan, Hanben	Taiwan
M3759	19719, S, 04.HHC.F	21	107.F			0.01	M9d		M9d	M9d	M9d+a2+a7+a2+a7+a2+a7+a2a1																							McColl&Jones2018	Direct: 95.4%; IntCal20, Cu	1641-1042 calBCE (22	1731	1641	1842		Vietnam_N	Hoa_Hoi	Vietnam_historical.SG	Yen Hai 2	Vietnam
Longlin	Longlin-1	24.6	105			0.28	M71d		M71	M71	M71+a2+a7+a2+a7+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1+a2+a7+a2a1	M71	M-8257 11518 1delGA 4 10589																							BaiJHumGenet2020	Direct: 11,765-11,255 calBP	11,765-11,255 calBP	9560	9815	9305		Asia_SE_EP	Early southern East Asians_12.0-6.0k		Longlin Laomocao Cave, Guangxi Zhuang		China
QJ0DO		26.1	107			0.27	M7d		M7d	M7d	M7d	M71	M-8257 11518 1311 1555 6752																					BaiJHumGenet2020		11201-11079 calBP	9100	9251	8129		China_Neolithic_HG	China Pre-Neolithic		Qingshuiyuan Dadong, Guangxi, China		China
MG14	M108483	35.8	104	M		0.1	M8		M8	M8	M8																							BMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Qiang Autonomous Prefecture, Sichuan, Gansing region		China
M3170		35.5	111.F			0.07	M8		M8	M8	M8																							ZhaoPLoS0NE2015		ca. 3000 YBP	-1000	-1200	-800	16-17	China_IA	Peng Chen, vassal of Zhou Dynasty	Hengbei, Jiang County, Shanxi P'Tomb master	China	China
DGDNU104	Dagaulai Ruins	35.8	111			0.05	M8*		M8	M8	M8																							LiAzSaAfrtropolSci2020		2500-2000 YBP	-275	-550	-50		China_IA	Early Iron Age		Dagaulai Ruins		China
MN0105		43.7	106.F			0.02	C2		C2	C2	C2	C2	M-8257 11518 1311 1555 6752																					Ulhagvasuren&SoGENE2016		1130-1250 calAD	1130	1130	1250		Mongol	Mongol		Tavan Tolgoi		Mongolia
RC25	RC25	31.9	-116.F			0.01	C2		C2	C2	C2																							RaghavanScience2015		1200-1700 CE	1450	1200	1700		America_Central_Pre_Col	Pericoes	Mexico_Pericoes.SG	Southern tip of Baja California Peninsula		Mexico
Yae5		-46.1	67.9			0.29	C		C	C	C	C	16089C 162 750 249del 263G 309+C 310~3C																					NeiesenJ2011		6800BP	-4410	-4470	-4350		Ukraine_N	Dnieper-Donets Mariupol-type pit graves		Tsuvinnyatka		Ukraine
I12362	ATAM	-53.6	-68.F			0.27	C		C	C	C																							NakatsukaAbstCommun2020		4040-3710 calBCE (5	-3870	-4040	-3710		America_South_Ancient	Argentina_NorthTierradelFuego_Lu	Argentina_NorthTierradelFuego_LaPi	North of Tierra del Fuego, La Arcilosa 2		Argentina
I9000203	20DB, pogrpainte 4.4	52	107.F			0.36	C		C	C	C																							JeongCell2020		1000-1200	1100	1000	1200		Mongolia_LN	Uncclassified		Fallenoos, Buryatia		Mongolia
I3619		54	90.F			0.21	C		C	C	C																							HollaraSimPhysAnthropol2018		Le-941(0)wood; 40C	-2526	-2576	-2468	40-45	Afanasievo	Afanasievo Ilkel		Itkol'ft, Khakasia, South Siberia	Itkol'ft, kourgane	Russia
SGE_M20	BA3000046	47.4	85.9		433.057	0.2	R1b		C2*	C2*	C2*		16223T 16298C 16327T				YPull																	ZhaoPLoS0NE2015		3800 BP (95.4%) 21	-2212	-2287	-2137		Tarim_North_EMBA	NDG_EMBA		Sangtokgaoo (Ejin), Tuzheng District		China
MG51	M1102B57	35.8	104	U		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
MG36	M1109B71	35.8	104	U		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
MG41	M1107B3	35.8	104	U		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
MG50	M1102B57	35.8	104	M		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
MG71	M1468B1	35.8	104	M		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
MG54	M1102B8	35.8	104	U		0.18	C		C	C	C																							LIBMCEvolBiol2017		4000 BP	-2040	-2250	-1850		China_DQJiang	Early Di-Qiang	Mogou	Mogou cemetery, Ganzu, Ganqing region		China
Y13		35.8	103	M?		0.18	C		C	C	C		16223 16298 16327																					GaoAnnPhysAnthropol2007		3,800–3,000 yBP	-1900	-2000	-1800	8-10yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	Ye F4	China
Y14		35.8	103	M?		0.18	C		C	C	C		16223 16298 16327																					GaoAnnPhysAnthropol2007		3,800–3,000 yBP	-1900	-2000	-1800	10-13yo	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	Ye F4	China
Y12		35.8	103	M		0.18	C		C	C	C		16223 16298 16327																					GaoAnnPhysAnthropol2007		3,800–3,000 yBP	-1900	-2000	-1800	15-17	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	Ye F4	China
Y7		35.8	103	M		0.18	C		C	C	C		16223 16298 16327																					GaoAnnPhysAnthropol2007		3,800–3,000 yBP	-1900	-2000	-1800	14-18	China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellow	Ye F4	China
TSBL_BA_KM03582	5	42.8	93.5.F			0.16	C*		C	C	C		126-223-298-314-327		10400T, 4715 G																			Ancient Genetics2015	Context: Archaeological ca	1900–1300 BC	-1600	-1900	-1300		Xinjiang_EIA_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
BOD49-4		69.1	36.4			0.16	C*		C	C	C		2237-298C-327T																					DerSarkissian#LuSGenet2013		3500 uncal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Olenii Ostrov		Russia
BOD57-3		69.1	36.4			0.16	C*		C	C	C		2237-298C-327T																					DerSarkissian#LuSGenet2013		3500 uncal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Olenii Ostrov		Russia
BOD72-2		69.1	36.4			0.16	C*		C	C	C		2237-298C-327T																					DerSarkissian#LuSGenet2013		3500 uncal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Olenii Ostrov		Russia
BOD49-2		69.1	36.4			0.16	C*		C	C	C		2237-298C-327T																					DerSarkissian#LuSGenet2013		3500 uncal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Olenii Ostrov		Russia
BOD72-12		69.1	36.4			0.16	C*		C	C	C		2237-298C-327T																					DerSarkissian#LuSGenet2013		3500 uncal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Olenii Ostrov		Russia
AB9011	2007-18	49.7	93.7			0.15	C*		C	C	C						-																	JeongPNAS2018	Direct (Warning MISSING	1446-1209 calBCE (3	-1329	-1446	-1204	26 - 50	Altai_MLBA	Khokorjol		Mongolia_LBA_Khovsgol_G		Mongolia
I4078	I4078, MH191217.1	50.3	118.F		13.99	0.08	M1		C*	C*	C*						A1323G > A+YFull																	Kilinc5JoMA2021 from Kilinc5JoBeg2018		1316-1051 calBCE	-1155.5	-1260	-1051		Siberia_Cis_Baikal_BA	Trans-Baikal Bronze Age	Trans-Baikal_B345_3000_BP	Chita Oblast		Russia
Sis7		55.3	77.8			0.14	C		C	C	C		223-298-327																					MoldovanAnchaeolEthnoArtropolEurasia2012		Transition BA-LIA	-1000	-1200	-800		Asia_Central_LBA	Late Bronze Age Pakhomovskaya culture		eastern Pakhomovskaya burial Kurgan 65, burial		Russia
Sis1		55.3	77.8			0.14	C		C	C	C		223-298-325-327-362																					MoldovanAnchaeolEthnoArtropolEurasia2012		Transition LBA-IA	-1000	-1200	-800		Asia_Central_LBA	Late Bronze Age Pakhomovskaya culture		eastern Pakhomovskaya burial Kurgan 65, burial		Russia
M2155		35.5	111.F			0.14	C		C	C	C		298, 327 10400T, 14318C																					ZhaoPLoS0NE2015		ca. 3000 YBP	-1000	-1200	-800	35-40	China_IA	Peng Chen, vassal of Zhou Dynasty	Hengbei, Jiang County, Shanxi P'Tomb master	China	China
M2129J		35.5	111.F			0.14	C		C	C	C		223, 298, 3C10400T, 14318C																					ZhaoPLoS0NE2015		ca. 3000 YBP	-1000	-1200	-800	6-7	China_IA	Peng Chen, vassal of Zhou Dynasty	Hengbei, Jiang County, Shanxi Provence	China	China
M56		35.5	111			0.14	C		C	C	C		223, 298, 10400T, 14318C																					ZhaoPLoS0NE2015		ca. 3000 YBP	-1000	-1200	-800		China_IA	Peng Chen, vassal of Zhou Dynasty	Hengbei, Jiang County, Shanxi P'Tomb master	China	China
JA58		-14.5	-75.2			0.11	C		C	C	C		16192T 16223T 16298C 16327T		P_C4																			FehrerSirchmb#PNAS2014		845–210 BC	-150	-540	-260		America_South_Pre_Colu	Coast Early Horizon		Central Andes, Southern Peru		Peru
Gawaen2C		38.1	85.5.F			0.11	C		C	C	C		223 298 327																					ZhangAnthPhysAnthropol2010		2800-2100 yBP	-500	-850	-150	14-23	China_West_LA	Xinjiang LA		Gaowen, near Chärchän or Qiemo, Xinjiang		China
Gaowen4@		38.1	85.5	M	237	0.11	C		C	C	C		223 298 327																					ZhangAnthPhysAnthropol2010		2800-2100 yBP	-500	-850	-150	13 - 14	China_West_LA	Xinjiang LA		Gaowen, near Chärchän or Qiemo, Xinjiang		China
R02	R02	47.2	39.7			0.11	C		C	C	C		223 298 327																					DerSarkissian2011		4th-2nd c. BCE	-300	-350	-400		Scythian	Classic Scythian		North Pontic region		Ukraine
Tg110		54.7	90.8			0.11	C		C	C	C		16059C-16110298G,10400T,13263G																					PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	3	Siberia_West_IA	Middle Tagar, Saragash group		Baruschiha-7		Kurgan 1, burial	Russia
Tg57		54.7	90.8			0.11	C		C	C	C		16059C-16110298G,10400T,13263G																					PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	7	Siberia_West_IA	Middle Tagar, Saragash group		Baruschiha-7		Kurgan 1, burial	Russia
Ni58		49.5	32.9			0.11	C		C	C	C		061, 223, 298, 327																					Newton2011		2305±45 BP	-345	-390	-300		Siberia_IA	Dnieper-Donets Mariupol-type pit graves		Nikolskoye		Ukraine
VK2_K1	VK2_K1	49.4

Object ID	Colloquial-Skeletal	LatBur	LatSex	mtDNA-c	mtFAM	mtDNA-haplogroup	mtDNA-Haplotree	mt-TF mtree	mt-TF FTDNA-mt-Haplotree	mt-Sin mt-5	HVS-I	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree-Y-Haplotree	Y-FTDYfull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
LPR.1	BC11	-11.5	-77.1	0.08	C1b	C1b				C1	C															
PC.114		-18.1	-65.8	0.08 (only 100)	C1b	C1b				C1	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
IPK12		-53.6	-71.1	0.08	C1b	C1b				C1	C															
I15072	S15672:F1.E1.L1_S152	38.5	-69.7	0.08	C1b	C1b				C1	C															
I14920	S14920:F1.E1.L1	25.4	-76.5	133.5 0.07	C1b	C1b				C1	C															
PC.120		38.1	-65.8	0.07	C1b (partly: 92.4%	C1b				C1	C															
CO14001-10		-33.7	-53.9	0.07	C1b	C1b				C1	C															
CO14015-9		-31.7	-53.9	0.07	C1b	C1b				C1	C															
PA21		-55.2	-67.5	56 0.07	C1b	C1b				C1	C															
IPK12	IPK12	-53.4	-71.7	0.07	C1b	C1b				C1	C															
I3531	HA1, Huayurucalla	-14.3	-74.9	571 0.07	C1b	C1b				C1	C															
I3603		-22.4	-66	0.07	C1b	C1b				C1	C															
SD042	BC11	-11.5	-77.1	0.06	C1b	C1b				C1	C															
SW-13	SDMM, 17644	33.3	-120.7	31.37 0.06	C1b	C1b				C1	C															
I0742		-23.2	-65.3	0.06	C1b	C1b				C1	C															
CH02		-52.2	-69.M	0.06	C1b	C1b				C1	C															
I13319	S13319.E1.L1	22.8	-74.3 F	301.7 0.06	C1b	C1b				C1	C															
Libre1ext		-21.2	-65.3	0.06	C1b	C1b				C1	C															
LP12.5	Cueva Candelaria 48	25.4	-101	0.06	C1b	C1b				C1	C															
LP14.8	Inv7	-11.6	-77.2	0.06	C1b	C1b				C1	C															
LP22.1	Inv69	-11.6	-77.2	0.06	C1b	C1b				C1	C															
Tom4		-24.8	-65.4	0.06	C1b	C1b				C1	C															
I0042	BC11	-14.3	-74.8 F	0.06	C1b	C1b				C1	C															
I14921	S14921:F1.E1.L1	25.4	-76.5 F	330.5 0.06	C1b	C1b				C1	C															
I15758	S15758.E1.L2_S13486	12.3	-69.2 F	0.05	C1b	C1b				C1	C															
PA20		-55.2	-67.5 F	0.05	C1b	C1b				C1	C															
PA_Q (1Q)		-55	-67.9 F	0.05	C1b	C1b				C1	C															
I13738	S13738.E1.L1	23.1	-75.7	140.7 0.05	C1b	C1b				C1	C															
I0044	Lima10B10	-12.1	-77.7	0.05	C1b	C1b				C1	C															
Inv7		-23.2	-65.3	0.05	C1b	C1b				C1	C															
LAV012	69_2	14.1	-60.9 F	179.722 0.05	C1b	C1b				C1	C															
I0964	107006A	-12.1	-77.7	43.1 0.04	C1b	C1b				C1	C															
LP28.3	Ulullaillaco Boy	-24.8	-68.6	0.04	C1b	C1b				C1	C															
I13206	S13206.F1.E1.L1	18.4	-69.4 F	425.5 0.04	C1b	C1b				C1	C															
LP41.1	II-EA30 Inv98	-9.55	-77.9	0.04	C1b	C1b				C1	C															
LP41.2	II-EA30 Inv99	-9.55	-77.9	0.04	C1b	C1b				C1	C															
LP41.3	II-E736 Inv150	-9.55	-77.9	0.04	C1b	C1b				C1	C															
LK12-24	SC79-1L006	-13.5	-76.M	0.04	C1b	C1b				C1	C															
Fueguino85 5		-55.9	-67.3 F	0.02	C1b	C1b				C1	C															
I12941	22JM	-54.9	-67.6 F	0.01	C1b	C1b				C1	C															
Yaghan895	Yaghan895	-55	-69.1 F	0.01	C1b	C1b				C1	C															
MA575	MA575	-51.3	-70.5 M	0.01	C1b	C1b				C1	C															
I12942	27JM	-54.9	-67.3 F	0	C1b	C1b				C1	C															
QON0030	AD262	-53.8	-67.8 F	0	C1b	C1b				C1	C															
QON0023	AD255	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0028	AD265	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0058	AD436	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0033	AD259	-53.8	-67.8 F	0	C1b	C1b				C1	C															
QON0029	AD251	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0056	AD449	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0041	AD256	-53.8	-67.8 M	0	C1b	C1b				C1	C															
QON0044	AD257	-53.8	-67.8 F	0	C1b	C1b				C1	C															
QON0049	AD446.2	-53.8	-67.8 M	0	C1b13	C1b13				C1b13	C															
PC.117		38.1	-65.8 F	0.24	C1b2 (partly: 87.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC.124		38.1	-65.8 F	0.24	C1b2 (partly: 74.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI-48		38.4	-66.4 M	0.23	C1b2 (partly: 88.62	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC.111		38.1	-65.8 F	0.22	C1b2 (partly: 99.15	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
I16556	S16556.F1.E1.L1	38.5	-69.7 F	145.5 0.21	C1b2	C1b2				C1b2	C															
I15977	S15977.F1.E1.L1	38.5	-69.7 F	248.5 0.21	C1b2	C1b2				C1b2	C															
I15596	S15597.F1.E1.L1	38.5	-69.7 F	160.7 0.21	C1b2	C1b2				C1b2	C															
I15597	S15596.F1.E1.L1	38.5	-69.7 F	171.4 0.21	C1b2	C1b2				C1b2	C															
I15964	S15964.F1.E1.L1	38.5	-69.7 F	226.7 0.21	C1b2	C1b2				C1b2	C															
I15682	S15682.F1.E1.L1	38.5	-69.7 F	286.6 0.21	C1b2	C1b2				C1b2	C															
PC-B412		38.1	-65.8 U	0.22	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-117		38.1	-65.8 U	0.22	C1b2 (partly: 66.9	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-124		38.1	-65.8 U	0.22	C1b2 (partly: 85.43	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-115		38.1	-65.8 U	0.22	C1b2 (partly: 88.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PCA0020	E24-D	38.1	-65.8 F	8.0923 0.21	C1b2	C1b2				C1b2	C															
PI-174		38.4	-66.4 U	0.2	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
I7966	S7966.E1.L1	39.2	-69.2 F	89.8 0.2	C1b2	C1b2				C1b2	C															
PI-388		38.4	-66.4 U	0.19	C1b2 (partly: 90.87	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI0050	38B-D	38.4	-66.4 F	7.3111 0.2	C1b2	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-94		38.1	-65.8 M	0.2	C1b2 (partly: 96.34	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI-395		38.4	-66.4 U	0.19	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI-50		38.4	-66.4 F	0.19	C1b2 (partly: 67.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PCA0060	38B	38.1	-65.8 M	75.9792 0.19	C1b2	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-108		38.1	-65.8 M	0.19	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI-42		38.4	-66.4 M	0.18	C1b2 (partly: 85.99	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PC-112		38.1	-65.8 M	0.18	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
I15668	S15668.F1.E1.L1	38.5	-69.7 F	149.9 0.17	C1b2	C1b2				C1b2	C															
I15666	S15666.F1.E1.L1	38.5	-69.7 F	0.17	C1b2	C1b2				C1b2	C															
I16678	S16678.F1.E1.L1	38.5	-69.7 F	68.68 0.17	C1b2	C1b2				C1b2	C															
I16519	S16519.F1.E1.L1, S16	38.5	-69.7 F	459.99 0.17	C1b2	C1b2				C1b2	C															
I16679	S16679.F1.E1.L1	38.5	-69.7 F	156 0.17	C1b2	C1b2				C1b2	C															
I15674	S15674.F1.E1.L1	38.5	-69.7 F	228.3 0.17	C1b2	C1b2				C1b2	C															
I15665	S15665.F1.E1.L1	38.5	-69.7 F	72.55 0.17	C1b2	C1b2				C1b2	C															
PI-158		38.4	-66.4 M	0.17	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
PI-424		38.4	-66.4 U	0.16	C1b2 (partly: 97.7	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
I15604	S15604.F1.E1.L1	38.5	-69.7 F	306.7 0.16	C1b2	C1b2				C1b2	C															
I15388	S15388.E1.L1	38.4	-66.3 F	151.2 0.15	C1b2	C1b2				C1b2	C															
I15132	S15132.F1.E1.L1	38.8	-70.3 F	307 0.15	C1b2	C1b2				C1b2	C															
I15203	S15203.F1.E1.L1	38.5	-69.7 F	243.4 0.14	C1b2	C1b2				C1b2	C															
I13558	S13558.E1.L1	24.1	-77.6 F	465.2 0.14	C1b2	C1b2				C1b2	C															
PI-417		38.4	-66.4 U	0.13	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
I15106	S15106.F1.E1.L1	38.8	-70.3 F	219.4 0.13	C1b2	C1b2				C1b2	C															
I16675	S16675.F1.E1.L1	38.5	-69.7 F	100.5 0.12	C1b2	C1b2				C1b2	C															
PI-397		38.4	-66.4 F	0.12	C1b2 (partly: 100.	C1b2				C1b2	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
S8121	S8121.E1.L1	38.5	-69.2 F	64.6 0.12	C1b2	C1b2				C1b2	C															
ELM0001	n/a	23	-81.5 F	3041.21 0.1	C1b2	C1b2				C1b2	C															
CK-13	UT, R514	42.2	-83.1 F	83.04 0.38	C1b4*	C1b4				C1b4*	C			1003SC 1236SG, 1473SG, 16354T											
CK-10	UT, G57	42.2	-83.1 F	0.94 0.05	C1b4*	C1b4				C1b4*	C			1003SC 9686C, 10050C, 2706A', 7754A, 13909C											
CK-05	UT, G49	42.2	-83.1 F	4.51 0.05	C1b4*	C1b4				C1b4*	C			1003SC 4.51 0.05 C1b4* C1b4											
CK-08	GG122	49.5	-86.8 F	0.05	C1b4*	C1b4				C1b4*	C			1003SC 9686C, 118A, 12705C!											
B-04	SDMM, 16607	25.5	-112 F	19.49 0.22	C1b4a1	C1b4				C1b4a1	C			1603YA, 3152YT, 16399G											
SN-45	SDMM, 17736	33.3	-120 F	15.07 0.21	C1b4a1a	C1b4				C1b4a1a	C			1603YA, 16 1633YA, 1618YC, 2O4C, 16093C											
SN-04	SDMM, 17659	33.3	-120 F	23.4 0.14	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 1618YC, 2J4C, 2M3C, 4R2C16S1a1	ReichLab_v44.3										
SN-03	SDMM, 16719	33.3	-120 F	13.14 0.13	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 16 9633A, 16129A, 1618ZC,C16S1a1	ReichLab_v44.3										
SN-51	MDUH, PET026	33.3	-120 F	127.14 0.12	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 16 1633YA											
I15690	I15690, MDUH, PET10	33.3	-120 F	101.36 0.12	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 16 1193C											
SN-02	SDMM, 16716	33.3	-120 F	0	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 16 9633A											
SC-05	SDMM, 1971-78-1	32.9	-119 F	47.4 0.08	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 16 9633A, 16129A, 1618ZC, 16357C											
SC-03	SDMM, 2086	32.9	-119 F	29.57 0.08	C1b4a1	C1b4				C1b4a1	C			1603YA, 16 1633YA, 1618YC, 2O4C											
SC-01	SDMM, 2084	32.9	-119 F	27.99 0.08	C1b4a1	C1b4				C1b4a1	C			1603YA, 16 1609Y											
SC-07	SDMM, 1975-14-1	32.9	-119 F	27.13 0.08	C1b4a1a	C1b4				C1b4a1a	C			2O4!											
CT-02	SDMM, 1986-22-0007	33.4	-118 F	8.53 0.02	C1b4a1a1	C1b4				C1b4a1a1	C			1603YA, 1618ZC, 2O4C, 16093C, 4920											
S8522		-14.5	-75.2	0.22	C1b8d	C1b8				C1b8d	C			16127 16223T 16298C 16325C 16 3 P, C28											
JA36		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16145A 16192T 16223T 16298C 16 3 P, C26											
PA19		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16223T 16298C 16325C 16 3 P, C27											
PA20		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16192T 16223T 16298C 16325C 16 3 P, C27											
PA18		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16223T 16298C 16325C 16 3 P, C27											
PA12		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16223T 16223T 16298C 16325C 16 3 P, C27											
MS20		-14.5	-75.2	0.14	C1b8d	C1b8				C1b8d	C			16223T 16298C 16325C 16327T 16 3 P, C25											
OC6	14118	-41	-62.8 M	0.06	C1b8	C1b8				C1b8	C			16223T 16298C 16325C 16327T 16362C											
ASO_824_S31	MW201669	-33.2	-60.6		C1b+16311	C1b+T16311C!				C1b+16311	C															
UC12-20	SC79-1L006	-13.5	-76.M	0.04	C1b+16311	C1b+T16311C!				C1b+16311	C			not enough data												
ASO_851_S20	MW201667	-33.2	-60.6		C1c	C1c				C1c	C															
ASO_81_S1	MW201662	-33.2	-60.6		C1c	C1c				C1c	C															
I8058	JK1767 Jabuticabeira	-28.6	-49.F	0.18	C1c	C1c				C1c	C															
MA47mtDNA	MAMS-28364	-28.6	-49	0.18	C1c	C1c				C1c	C															
GA17mtDNA	MAMS-28360	-28.6	-49	0.18	C1c	C1c				C1c	C															
MA42mtDNA	MAMS-28362	-28.6	-49	0.17	C1c	C1c				C1c	C															
I9054	MPI 21 (Burial 115/71	-28.6	-49.F	0.16	C1c	C1c				C1c	C															
I9055	MPI 22 (Burial 111/11	-28.6	-49.F	0.15	C1c	C1c				C1c	C															
ILS	ILS	-16.2	-69.7 F	0.15	C1c	C1c				C1c	C															
LP27.5	IA13A	-14.1	-75.7	0.13	C1c	C1c				C1c	C															
LP35.3B	TM-BOL 004A	-16.6	-68.7	0.13	C1c	C1c				C1c	C															
S0077	TM-BOL 004A	-16.6	-68.7	0.11	C1c	C1c				C1c	C															
LP14.3	ADB 10127R	-12.1	-77	0.1	C1c	C1c				C1c	C															
TW063	Putuni	-16.6	-68.7 F	0.1	C1c	C1c				C1c	C															
T-257		38.1	-66.6 U	0.09 (Cts (quality: 97.34	C1c	C1c				C1c	C			16051G 16173G 185A 249d 263G 297G0G 1438G	HaploGrep 2.0 with Phylotree mtDNA tree Build 17										
T8002	257	38	-66.6 F	46.4005 0.09	C1c	C1c				C1c	C															
I8977	13241A	-16.6	-68.7 F	188 0.08	C1c	C1c				C1c	C															
LAV005	69_5	14.1	-60.9 F	199.861 0.07	C1c	C1c				C1c	C															
LP14.7	Inv8	-11.6	-77.2	0.06	C1c	C1c				C1c	C															
I2242	SC9_L235_BJ0249	-7.91	-79.3 F	609 0.06	C1c	C1c				C1c	C															
AL6004	F106	36.3	-61.2 F	51.9974 0.05	C1c	C1c				C1c	C															
CK-02	GS1	49.5	-86.8 F	0.05	C1c	C1c				C1c	C			1888A, 153I 12696C, 13500C, 14832T											
LP41.10	II-E730B Inv88	-9.55	-77.9	0.04	C1c	C1c				C1c	C															
UC12-25	SC79-1L007	-13.5	-76.F	0.04	C1c	C1c				C1c	C															
QON0045	AD433	-53.8	-67.8 M	0	C1c	C1c				C1c	C															
QON0027	AD252	-53.8	-67.8 M	0	C1c	C1c				C1c	C															
LI22	CHIH-D-9 4	30.4	-108 M	0.32	C1c1a	C1c1a				C1c1a	C															
LR1	CHIH-D-9 2	30.4	-108 M?	0.32	C1c1a	C1c1a				C1c1a	C															
JR61	Alu1	37.6	-122 F	102.08	C1c1b	C1c1b				C1c1b	C			215G, 5773-6368A, 11518A, 16248T, 16293G											
TA01		-14.5	-75.2	0.22	C1b(4)	C1c4				C1c4	C			16192T 16223T 16274A 16298C 16 3 P, C29											
CH01-D-9 1		30.4	-108 F?	0.15	C1c5	C1c5				C1c5	C															
I12367	57JM	-53.8	-67.7 F	0.17	C1c8	C1c8				C1c8	C															
I11892	I668, I05854rs400025	12.1	-69 F	17.2 0.05	C1c+195	C1c-T195CT				C1c+195	C															
PCV001	115	25.6	-76.7 F	273.814 0.08	C1d	C1d				C1d	C															
SO01	SO05	-14.6	-74.8	0.05	C1d	C1d				C1d	C															
CAD011	E104	23	-81.5 F	78.4852 0.3	C1d1	C1d1				C1d1	C															
PDM006	E9	20.6	-77.F	15.6104 0.3	C1d1	C1d1				C1d1	C															
I17594	S17594.E1.L1	23	-81.5 F	0.18	C1d1	C1d1				C1d1	C															
I17589	S17589.E1.L1	23	-81.5 F	0.18	C1d1	C1d1				C1d1	C															
PDM002	E6	20.6	-77.F	55.9021 0.18	C1d1	C1d1				C1d1	C															
I7977	S7977.E1.L1	17.9	-71.7 F	39.845 0.18	C1d1	C1d1				C1d1	C															
PDM001	E2	20.6	-77.F	82.6375 0.17	C1d1	C1d1				C1d1	C															
CAA002		23	-81.5 F	266.236 0.13	C1d1	C1d1				C1d1	C															
CP001	7149	23	-83.3 F	0.14	C1d1	C1d1				C1d1	C															
MT0001	5.16.T-E-2	22.8	-81.4 F	159.877 0.12	C1d1	C1d1				C1d1	C															
PC-129		38.1	-65.8 U	0.11 C1d1 (partly: 97.49	C1d1	C1d1				C1d1	C			16051G 16173G 194T 249d 263G 297G0G 1438G	HaploGrep 2.0 with Phylotree mtDNA tree Build 17										
TW05d	Monolito Descabezado	-16.6	-68.7 F	0.1	C1d1	C1d1				C1d1	C															
I10756	S10756.E1.L2	23	-81.5 F	0.09	C1d1	C1d1				C1d1	C															
PDM003	Eret 24-P7/14	18.4	-66.4 F	5.3421 0.09	C1d1	C1d1				C1d1	C															
PCV004	8	25.6	-76.7 F	103.299 0.08	C1d1	C1d1				C1d1	C															
PI-419		38.4	-66.4 U	0.08 (Cts (quality: 91.42	C1d1	C1d1				C1d1	C			16051G 16173G 152C 194T 249d 263G 297G0G 1438G	HaploGrep 2.0 with Phylotree mtDNA tree Build 17										
PI-64		38.4	-66.4 M	0.08 (Cts (quality: 96.38	C1d1	C1d1				C1d1	C			16051G 16173G 194T 204C 207A 247G 263G 297G	HaploGrep 2.0 with Phylotree mtDNA tree Build 17										
I13322	S13322.E1.L1	23.1	-75.F	304.9 0.07	C1d1	C1d1				C1d1	C															
I13736	S13736.F1.E1.L1, S140	25.4	-76.5 F	0.07	C1d1	C1d1				C1d1	C															
I12350	S12351.F1.E1.L1, S12	38.5	-69.2 F	216.86 0.06	C1d1	C1d1				C1d1	C															
LU-06	UT, GG-121	42.2	-83.1 F	4.75 0.18	C1d1a1	C1d1a1				C1d1a1	C			6297C, 14305A												
PC-113		38.1	-65.8 U	0.35 C1d1a1 (partly: 52.	C1d1a1	C1d1a1				C1d1a1	C			HaploGrep 2.0 with Phylotree mtDNA tree Build 17											
CH2001-20	KPG17251-1	-33.7	-53.5 F	0.28	C1d5	C1d5*				C1d5*	C				C13278T + T14791!											
MI-44	UT-JN-162-2.2	52.8	58.7 F	0.32	C1e	C1e				C1e	C															
S1106		76.1	153	0.53	C4	C4				C4	C															
DA249	SHA_2005.066.01	51.7	104 F	0.54	C4	C4				C4	C															
I2072	23JI13	49.8	86.6	0.4	C4	C4				C4	C			152 T!1 16093 TC 4742 TC 16297 TC											
NA16218_MS-3		43.6	82.5	288.133 0.51	C4*	C4*				C4*	C				YFull											
NEO230	NEO230	52.9	104 F	0.34	C4	C4				C4	C				HaploGrep											
mal6106	mal6106, MH559220.1	53.9	106 F	86.5 0.33	C4	C4				C4	C				G11950A + G YFull											
I1000	Olkhney-7	54	105	0.32	C4	C4				C4	C			195 T!1! 200 AG 204 TC 8473 T! 3192 CT 15052 AG											
CGG1_TSM1	ZK-5227	46.5	90.7	457.874 0.42	M168a	C4*				C4*	C				YFull											
Chem16	ChemN	47.9	91.8 F	0.28	C4	C4*				C4*	C			16093C 16223T 16290T 16298C 16327T											
Xiaohe_M117	-	40.2	88.4	356.156 0.27	C4	C4*				C4*	C				YFull											
Xiaohe_M135	-	40.2	88.4	394.676 0.26	C4	C4*				C4*	C				YFull											
Xiaohe_M93	-	40.2	88.4	227.709 0.26	C4	C4*				C4*	C				YFull											
Xiaohe_M75	-

Object-ID	Colloquial-Skeletal	Lat(ka)	Lat(ka)	Lat(ka)	Sex	mtDNA-c.ccmFamilyID	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT.mtree	mt-1fr-FTDNA-mt-Haplotree	mt-Sin-mt-5-HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree-FT-FTD-YfuS	Y-Yfu-SOGO2010	FTDNA-Y-Haplotree
Bm2		40.3	88.7			0.24	C4	C4			C4	C													
MS5		40.3	88.7			0.24	C4	C4			C4	C													
ULN006	AT-062	46.3	112			0.22	C4	C4			C4	C													
Zu6b	Zu_6	50.2	81.8			0.19	C4	C4*			C4	C													
NLKTB85_M7		43.6	82.6		484.133	0.31	N9a2	C4*			C4	C													
A_19	A_19	52.1	93.6			0.18	C4	C4*			C4	C													
JEZKL_M25-1	-	37.8	75.2		1011.11	0.09	C4a2c1	C4*			C4	C													
NLKDM4_M50A	-	43.6	82.5		177.752	0.19	D4j5b	C4*			C4	C													
NLKJR7_M26		43.5	83.3		381.12	0.16	C4	C4*			C4	C													
A45_1*	A45_1*	50.3	87.5			0.16	C4	C4			C4	C													
Ala_2	Ala_2	50.2	87.7			0.18	C4	C4			C4	C													
BIR007	Barel 2017_76	49.3	85.8		49.30	0.12	C4	C4			C4	C													
Khazar166		47.2	41.6			0.08	C4	C4			C4	C													
Ya64		48.1	37.9			0.48	C4a2'Z'4'	C4a'b'c			C4a'b'c	C													
I3760	Mos85	52.9	104 U		268	0.46	C4a'c'e	C4a'b'c			C4a'b'c	C													
I8295	Mos105	52.9	104 F			0.38	C4a'c'e	C4a'b'c			C4a'b'c	C													
I3720	Grave 00, single burial	34.8	72.4 F		79.8	0.18	C4a'c'e	C4a'b'c			C4a'b'c	C													
I3781	Mos118	52.9	104 F		231	0.05	C4a'c'e	C4a'b'c			C4a'b'c	C													
L8		46.9	30.8			0.42	C4d	C4a			C4a	C													
D1,8		46.9	30.9			0.42	C4d	C4a			C4a	C													
L15		46.9	30.9			0.4	C4d	C4a			C4a	C													
I14196	A7_Ist_991	46.8	112 F		397.3	0.34	C4d	C4a'c'e			C4a'c'e	C													
BTG03,T13	BTG03,T13	48	89			0.27	C4a'c+16129	C4a'c			C4a'c	C													
A45_7*	A45_7*	49.3	87.5			0.27	C4a'c+16129	C4a'c			C4a'c	C													
A43_1*	A43_1*	49.3	87.5			0.27	C4a'c+16129	C4a'c			C4a'c	C													
Ala_1	Ala_1	50.2	87.7			0.27	C4a'c+16129	C4a'c			C4a'c	C													
TUKT5_M8		43.5	83.3		474.854	0.31	H7b	C4a1*			C4a1*	C													
TUR008		47.8	102 F			0.23	C4a1	C4a1			C4a1	C													
TUR00a		47.8	102 F			0.22	C4a1	C4a1			C4a1	C													
TUK27		47.8	102 F			0.22	C4a1	C4a1			C4a1	C													
DA123	I54	42.7	68.3 F			0.2	C4a1	C4a1			C4a1	C													
Dor100,A018		46.3	20.1 M			0.12	C4a1	C4a1			C4a1	C													
S1105		70.3	136			0.1	C4a1	C4a1			C4a1	C													
MQM4	-	46.9	120 F		30.864	0.08	C4a1	C4a1a			C4a1a	C													
ULN003	AT-921	46.3	112 F			0.39	C4a2a	C4a1a			C4a1a	C													
ULN000	AT-884	46.3	112 F			0.39	C4a2a	C4a1a			C4a1a	C													
DA10	KG16	49.1	72.9 F			0.3	C4a2a	C4a1a			C4a1a	C													
EG19		49.6	103 F			0.24	C4a2'	C4a1a			C4a1a	C													
DOU001	AT-370	47.2	109 F			0.23	C4a2a	C4a1a			C4a1a	C													
ATS021	AT-459	48.9	106 F			0.22	C4a2a	C4a1a			C4a1a	C													
AED125b	AED_125	48.3	113 F			0.18	C4a2a	C4a1a			C4a1a	C													
MOM7b5		44.8	113 F		17.882	0.63	C4a2a'c	C4a1a'c			C4a1a'c	C													
AR3024	2009-55	49.7	99.8 F			0.38	C4a2a'c	C4a1a'c			C4a1a'c	C													
AI3354	Haminternl, MN540560	60.6	27.2			0.02	C4a4	C4a1a'c			C4a1a'c	C													
LPSB1mt	x589 A588, MN209556	55.8	93.6			0.07	C4a2a	C4a1a*			C4a1a*	C													
NE-9	ARL336	46	126 F		569		C4a2a+195	C4a1a-T195C!			C4a1a-T195C!	C													
I13964	AT_961, 997	46.8	112 F		235.4	0.4	C4a2a+195	C4a1a-T195C!			C4a1a-T195C!	C													
AR5050	2007-4	49.7	99.8 F			0.36	C4a2a+195	C4a1a-T195C!			C4a1a-T195C!	C													
AT5QK_M7		43.5	83.3		373.75	0.84	HV14a	C4a1a-T195C!			C4a1a-T195C!	C													
A45_M6	BA190050	45.5	83.3		435.133	0.14	U5a1d2e	C4a1a-T195C!			C4a1a-T195C!	C													
TSBL_M11A	-	42.9	92.8		407.152	0.17	D4b2b	C4a1a-T195C!			C4a1a-T195C!	C													
NLK6223_M15	-	43.6	62.5		152.271	0.1	G1b2	C4a1a-T195C!			C4a1a-T195C!	C													
I13124	Cemetery Turgen 2, K	43.2	77.8 F		25	0.26	C4a1e+195	C4a1a-T195C!			C4a1a-T195C!	C													
AAA001	2006 Mogila 76	50.5	106 F			0.15	C4a1e+195	C4a1a-T195C!			C4a1a-T195C!	C													
TUR05		47.8	102 F			0.22	C4a1e+195	C4a1a-T195C!			C4a1a-T195C!	C													
DA70	Ryr 38	41.5	75.8 F			0.21	C4a1e+195	C4a1a-T195C!			C4a1a-T195C!	C													
B21_M30		37	79.9		67.778	0.1	U4a1	C4a1a-T195C!			C4a1a-T195C!	C													
I12144	PrY56-1157	42	23.8 F			0.76	C4a1e+195	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
I12974	AT_981, 703	47.4	110 F			0.08	C4a1e+195	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
L1357	CZ591, Liuwan(M)-3	36.4	103			0.46	C4a1e+195	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
JWNTM23		35.2	113 F		134.456	0.4	C4a2a+195	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
I13175	I13175_N0, Kharyalyk	49.5	103 F		377.4	0.08	C4a2a	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
FNO006	2007, pogrebenie 1 (I	52	107 F			0.67	C4a2a	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
I4008	I4008, MN359136.1	54	106 F			14.92	C4b'c4a2	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
KFT001	8313 petrous left	53	106 F		153.2	0.45	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
NW_MN118		43.6	93		249	0.21	U5a1d2	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
ARA2-722		51.7	94.4 F			0.3	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
ARA2-75		51.7	94.4 F			0.3	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
ARA2-73		51.7	94.4 F			0.3	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
ARA2-726		51.7	94.4 F			0.3	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
I5842	Burial 2, Ruspekin, R	52.6	76.7 F			0.34	C4a2a1	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
NLKWC_M31A		41.2	81.8		287.508	0.15	U5b1b2f4	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
BUU001	AT-261	49.3	106 F				C4a1e+4a	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
UGU004	AT-805	49.2	105 F				C4a2a+4a	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
MAZ3195	HS 12-01, 12 07 24, Sc	39.3	33.8 F			0.27	C4a2a+4a	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
ULN002	AT-920	46.3	112 F			0.4	C4a2b	C4a1a-T195C!-C6a4a			C4a1a-T195C!-C6a4a	C													
Sernetxabun-Hiloflo58/389		47.2	21.2 F			0.19	C4a2b	C4a1b			C4a1b	C													
L8	L8, right humerus	47	30			0.42	C4a2	C4a2			C4a2	C													
L15	L15, skull fragment	47	30			0.42	C4a2	C4a2			C4a2	C													
LD-M11		24	122			0.44	C4a2	C4a2			C4a2	C													
MD6	MWSD8525	45.8	25.6 F			0.84	C4a2 (100%)	C4a2			C4a2	C													
Tg3		54	91.6				C4a2a2	C4a2a			C4a2a	C													
KFT008	8305-M1 lower left	53	106 F		105.3		C4a2a1	C4a2a			C4a2a	C													
AER0012	2007-17	49.7	99.7 F				C4a2a1	C4a2a			C4a2a	C													
I7032	AT_475, Grave #1, M4	48.7	110 F		527		C4a2a1	C4a2a1			C4a2a1	C													
Tgel6		54.9	90.9				C4a2a2	C4a2a2			C4a2a2	C													
Tg2		54	91.6				C4a2a2	C4a2a2			C4a2a2	C													
MAS_25Jh,260.4738		46.3	20.5 F				C4a2a1	C4a2a1			C4a2a1	C													
Hosmq3	HC2	46.2	20.5 F				C4a2a1	C4a2a1			C4a2a1	C													
BBJpe18		48.1	21.7				C4a2a1+3	C4a2a1+3			C4a2a1+3	C													
JEKLM_M17		37.8	75.2		262.02	0.11	U5b1b+20H	C4a2a1+20H			C4a2a1+20H	C													
TUK007		47.8	102 F				C4a3	C4a2c			C4a2c	C													
DA69	Ryr 57	42.1	77 F				C4a3c	C4a2c			C4a2c	C													
ARS014	2007-22	49.7	99.7 F				C4a3c	C4a2c			C4a2c	C													
PBJpe216		47.3	21.1				C4a3d	C4a2c			C4a2c	C													
NLKCSC_M1-1		43.6	62.5		417.854	0.15	U5b2	C4a2c*			C4a2c*	C													
NLKTB97_M1		43.6	82.6		421.212	0.16	U5a1d2b	C4a2c*			C4a2c*	C													
NLKTB97_M22		43.6	82.6		325.742	0.79	C4a1a+4a	C4a2c*			C4a2c*	C													
JMCYL_M38B	BA172035	43.2	81.8		444.728	0.07	U5a1	C4a2c*			C4a2c*	C													
yakt221	yakt221, MH592281.1	67.9	157 F		38.41	0.3	C4	C4b			C4b	C													
Karos2/20		48.3	21.7 M			0.1	C4b	C4b			C4b	C													
KFTbyar2		47.5	33.3			0.6	C4b	C4b*			C4b*	C													
Karamda-3	yakt226, MH592281.1	66.8	153 F		32.9	0.05	C4b1	C4b1*			C4b1*	C													
Karamda-1	yakt223, MH592281.1	66.8	153 F		140.92	0.12	C4b1	C4b1*			C4b1*	C													
Karamda-2	yakt225, MH592277.1	66.8	153 F		84.56	0.59	C4b	C4b1*			C4b1*	C													
I8151	AT_218, Grave #22,M	45.7	93.8 F		424	0.42	C4c1	C4c1			C4c1	C													
HZY_DMA-1-1		43.6	93		350.111	0.66	C4d	C4c1			C4c1	C													
TUK42		47.8	102 F			0.67	C4d	C4d			C4d	C													
CK-01	GB49	49.5	86.8 M			0.05	C4c1	C4c1			C4c1	C													
CK-07	GB25	49.5	86.8 F			0.05	C4c1	C4c1			C4c1	C													
DA383	6286-1	38.7	61.7 F			0.44	C4c1	C4-T152C!			C4-T152C!	C													
CGGL_T3M1		46.5	90.7		423.397	0.34	C4c1d	C4-T152C!!			C4-T152C!!	C													
Burial 1, R9S828		51.6	74.7 F			0.32	C4c1d	C4-T152C!			C4-T152C!	C													
QEG_M5M6-1		43.6	93		1157.12	0.2	A0	C4a-g*			C4a-g*	C													
NLKCSC_M3-1	-	43.6	82.5		447.617	0.11	A11	C4a-T152C!*			C4a-g*	C													
SSG_M32A	-	47.4	85.9		445.592	0.68	U4b1a1c1	C4a*			C4a*	C													
SPL_D092	-	37	79.9		298.894	0.19	H6a1a	C4-T152C!-T16093C			C4-T152C!-T16093C	C													
ARZ-T12		51.7	94.4 M			0.75	C4d	C4d			C4d	C													
ARZ-T15/T154		51.7	94.4 F			0.75	C4d	C4d			C4d	C													
I5308.2	I5308.2 (2020	46.9	120 F		8.72352	0.51	C5	C5			C5	C													
Vörs 52 (4/3)		46.7	17.3			0.48	C5	C5			C5	C													
I261		54	90.7 F			0.3	C5	C5			C5	C													
I262		54	90.7 F			0.3	C5	C5			C5	C													
I263		54	90.7			0.28	C5	C5			C5	C													
BM18		40.3	88.7 F			0.24	C5	C5			C5	C													
BOO72-5		69.1	36.4			0.24	C5	C5			C5	C													
BOO72-6		69.1	36.4			0.24	C5	C5			C5	C													
TI276		54	91.5			0.18	C(C5)	C5			C5	C													
EG47		49.6	103 F			0.14	C5	C5			C5	C													
HMN-2		43.1	145				C5	C5			C5	C													
HMN-12		43.1	145				C5	C5			C5	C													
I1137	Popovo35, Cemetery 2	42.8	131 F		587.33	0.52	C5a	C5a			C5a	C													
I1194	Popovo15, Cemetery 2	42.8	131 F			0.53	C5a	C5a			C5a	C													
I14773	Popovo_23, Boyomano	42.8	131 F		65.29	0.45	C5a	C5a			C5a	C													
I14773	Popovo_25, Boyomano	42.8	131 M		54.04	0.45	C5a	C5a			C5a	C													
I14823	Popovo_27, Boyomano	42.8	131 F		260	0.45	C5a	C5a			C5a	C													
I14779	Popovo_28, Boyomano	42.8	131 F		86.34	0.45	C5a	C5a			C5a	C													
I1NDN0	AT-885	46.3	112 F			0.38	C5a1	C5a1			C5a1	C													
TIV002	AT-33	44.7	102 F				C5b	C5b			C5b	C													
I7974	L797*4.E1.L1	18.7	-69.3 F		159		C5b	C5b			C5b	C													
I7972	L797Z.E1.L1	18.7	-69.3 F		12.2		C5b	C5b			C5b	C													
I7976	L797*6.E1.L1	18.7	-69.3 F		142		C5b	C5b			C5b	C													
I1356	Popov30, Cemetery 2	42.8	131 F		109		C5b1	C5b1			C5b1	C													
I7031	AT_471, Grave #2,M4	48.3	115 M				C5b1a	C5b1a			C5b1a	C													
A_5	A_5	52.1	93.6				C5b1	C5b1			C5b1	C													
HMSQuarrBB		46.5	19.1				C5b1a2	C5b1a*			C5b1a*	C													
I13963	AT_585, 996	47.2	109 F		302.1		C5b1b	C5b1b			C5b1b	C													
BL_3	BL_3	55.2	58.7				C5b1b+16093	C5-T16093C			C5-T16093C	C													
BL_1	BL_1	55.2	58.7				C5b1b+16093	C5-T16093C			C5-T16093C	C													
BL_4	BL_4	55.2	58.7				C5b1b+16093	C5-T16093C			C5-T16093C	C													
RISE485	T053-175	53.7	90.4 F				C5b1	C5c			C5c	C													
RISE564	T053-206	53.7	90.4				C5b1	C5c			C5c	C													
I15101	Kumsay (Kyryk Oba),	49.5	58.5 F		280.1	0.54	C5c+16234	C5c-C16234!			C5c-C16234!	C													
I11331	Kurgan 4, burial 1, sk	49.5	58.5 F		473.4	0.54	C5c+16234	C5c-C16234!			C5c-C16234!	C													
Pam2		53.2	18.2			0.11	C5c1	C5c1			C5c1	C													
Pam1		53.2	18.2			0.11	C5c1	C5c1			C5c1	C													
coffin 13		53.1	107			0.24	C5c1a	C5c1a			C5c1a	C													
Yumin	M1	42	114 F				C5d*	C5d*			C5d*	C													
I2497	VM41	19.8	106 F			0.15	C7a	C7a			C7a	C													
Balangk2037		24.1	108 M		144	0.4	C7a (98.08%)	C7a			C7a	C													
Bandal2012		23.7	108		337		C7a (96.26%)	C7a			C7a	C													
WXW51	WXW51	12.7	109			0.09	C7a	C7a			C7a	C													
YuehuyanM121		25.1	108 M		213		C7a (94.9%)	C7a			C7a	C													
CZR-M6	M6	36.7	117		245.54	0.36	C7a1	C7a1			C7a1	C													
HL-I13	I13	36.8	118		369.25	0.62	C7a1c	C7a1c			C7a1c	C													
YZC-M35B	M35B	32.1	117		317.44	0.37	C7b	C7b			C7b	C													
LI2230	CZ021, Shanglushuang	36.2	103				C7b	C7b			C7b	C													
ZEJK_M58A		38.3	85.3		94.149	0.2	D4	C7b*			C7b*	C													
EUR_2002-015		33.1	107			0.21	Z	Z			Z	Z													
MG26	M11D2B2	35.8	104 M			0.18	Z	Z			Z	Z													
MG17	M11D1B3	35.8	104 U			0.18	Z	Z			Z	Z													
MG35	M11D1B1	35.8	104 U			0.18	Z	Z			Z	Z													
MG12	M12B4F1	35.8	104 F			0.18	Z	Z			Z	Z													
TSBL_BA_KM33583		4.4	42.8	93.5 F		0.16	Z	Z			Z	Z													
TSBL_BA_KM33581		15	42.8	93.5 F		0.16	Z	Z			Z	Z													
LI3053		24	122			0.16	Z	Z			Z	Z													
LI2049		35.5	111 F			0.14	Z	Z			Z	Z													
MZ1449		35.5	111 U			0.14	Z	Z			Z	Z													
J12_6*	J12_6*	49.8	89.3			0.1	Z	Z			Z	Z													
I2138		56.4	65.9			0.09	Z	Z			Z	Z													
K38		56.8	61.9			0.09	Z	Z			Z	Z													
KT3		36.7	102 F			0.08	Z	Z			Z	Z													
KT43		36.7	102 F			0.08	Z	Z			Z	Z													
KT44		36.7	102 F			0.08	Z	Z			Z	Z													
Xianbei8		41.7	121			0.08	Z	Z			Z	Z													
KOT2016	Botai 2016	43.3	67.6 M			0.45	Z1a	Z1			Z1	Z1													
BKZ001	BKZ001	53.3	67.6 F			0.42	Z1	Z1			Z1	Z1													
MS66	KZ-KAN-DIA, Kainar/L	48.7	77 F		424	0.27	Z1	Z1			Z1	Z1													
S08	Bronze 2	51.7	79.8 F			0.27	Z1	Z1			Z1	Z1													
BOO72-1		69.1	36.4			0.31	Z1a	Z1a			Z1a	Z1													
BOO72-3		69.1	36.4			0.31	Z1a	Z1a			Z1a	Z1													
BOO46-5		69.1	36.4			0.31	Z1a	Z1a			Z1a	Z1													
LI1_2	LI1_2	49.7	89.1			0.2	Z1a	Z1a			Z1a	Z1													
B126		49.3	14.2			0.07	Z1a	Z1a			Z1a	Z1													
I2998	Khushir-2	53.2	107			0.49	Z1a1	Z1a1			Z1a1	Z1													
Ber1	Bajanovo280	59.2	57.7 F			0.47	Z1a1a	Z1a1a			Z1a1a	Z1													
I2991	Karchagan3-3	56.8	65.6			0.09	Z1a2	Z1a			Z1a	Z1													
BQ-M30-B	M30-A	30.3	114		178.51	0.42	Z3	Z3			Z3	Z3													
BQ-M57-F	M57-F	30.3	114		382.84	0.42	Z3	Z3			Z3	Z3													
BQ-M54-B	M54-B	30.3	114		261.68	0.42	Z3	Z3			Z3	Z3													
BQ-M54-7	M54-7	30.3	114		295.36	0.42	Z3	Z3			Z3	Z3													
BQ-M57-C	M57-C	30.3	114		309.51	0.42	Z3	Z3			Z3	Z3													
EDM3166		42.1	119 M		6.62338	0.31	Z3	Z3			Z3	Z3													
BBJpe18		48.1	21.7		285.42	0.19	Z3	Z3			Z3	Z3													
JEKLM_M17		37.8	75.2		1862.02	0.11	U5b1b+20H	Z4a2a*			Z4a2a*	Z4													
TUK007		47.8	102 F				Z4a2a	Z4a2a			Z4a2a	Z4													
DA69	Ryr 57	42.1	77 F				Z4a2c	Z4a2c			Z4a2c	Z4													
ARS014	2007-22	49.7	99.7 F				Z4a2c1	Z4a2c1			Z4a2c1	Z4													
PBJpe216		47.3	21.1				Z4a2c1a*	Z4a2c1a*			Z4a2c1a*	Z4													
NLKCSC_M1-1		43.6	62.5		417.854	0.15	U5b2	Z4a2c*			Z4a2c*	Z4													
NLKTB97_M1		43.6	82.6		421.212	0.16	U5a1d2b	Z4a2c*			Z4a2c*	Z4													
NLKTB97_M22		43.6	82.6		325.742	0.79	C4a1a+4a	Z4a2c*			Z4a2c*	Z4													
JMCYL_M38B	BA172035	43.2	81.8		444.728	0.07	U5a1	Z4a2c*			Z4a2c*	Z4													
yakt221	yakt221, MH592281.1	67.9	157 F		38.41	0.3	C4	C4b			G1190b4 + G1190	G													
Karos2/20		48.3	21.7 M			0.1	C4b	C4b			C4b	C													
KFTbyar2		47.5	33.3			0.6	C4b	C4b*			C4b*	C													
Karamda-3	yakt226, MH592281.1	66.8	153 F		32.9	0.05	C4b1	C4b1*			C4b1*	C													
Karamda-1	yakt223, MH592281.1	66.8	153 F		140.92	0.12	C4b1

Object-ID	Colloquial-Skeletal	Lat	Lon	Length	Sex	mtDNA-c	mtFAST	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-intree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no-5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAST-Simple	YTree	Y-Haplotree-Y-Haplotree	Y-FT-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree	Y-Sym	Y-Symbol	Responsible-SN	SNPs	Autosomi-Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
LOK_1981.011		52.3	104	M	0.24	D						D	D																						MoussaAr;chaeolSci;Rep2016		7500-7000 cal BP	-5300	-5550	-5050		Siberia_Cis_Baikal_EN	Lokomotiv_EN		Lokomotiv cemetery, Irkutsk		Russia
LOK_1981.004		52.3	104	F	0.24	D						D	D	223 319																					MoussaAr;chaeolSci;Rep2016		7500-7000 cal BP	-5300	-5550	-5050		Siberia_Cis_Baikal_EN	Lokomotiv_EN		Lokomotiv cemetery, Irkutsk		Russia
SHA_2007.006.02		52.1	104		0.24	D						D	D	223																					MoussaAr;chaeolRes;Aus2021		7500-7000 cal BP	-5300	-5550	-5050		Siberia_Cis_Baikal_EN	Shamanka_EN		Shamanka II cemetery, South Baikal		Russia
KUR_2003.026		53.1	107		0.24	D						D	D																						MoussaAr;chaeolRes;Aus2021		7500-7000 cal BP	-5300	-5550	-5050		Siberia_Cis_Baikal_EN	Lokomotiv_EN		Lokomotiv cemetery, Irkutsk		Russia
KUR_2002.001		53.1	107	M	0.16	D						D	D																						MoussaAr;chaeolSci;Rep2016		5570-3725 cal BP	-3698	-3620	-1775		Siberia_Cis_Baikal_EBA	Kurma_EBA		Kurma XI cemetery, Lake Baikal Little Sea micro-		Russia
KUR_2002.007.01		53.1	107		0.18	D						D	D	223																					MoussaAr;chaeolRes;Aus2021		5570-3725 cal BP	-3698	-3620	-1775		Siberia_Cis_Baikal_EBA	Kurma_EBA		Kurma XI cemetery, Lake Baikal Little Sea micro-		Russia
MG38	M109683	35.8	104	U	0.13 D*	D						D	D																						LBMCEvolBio2017		4000 BP	-2040	-2250	-1850		China_Dongxiang	Early Di-Qiang	Mogou	Mogou cemetery, Gansu, Gansu, Gansu, Gansu		China
MG33	M141261	35.8	104	F	0.13 D*	D						D	D																						LBMCEvolBio2017		4000 BP	-2040	-2250	-1850		China_DiQiang	Early Di-Qiang	Mogou	Mogou cemetery, Gansu, Gansu, Gansu, Gansu		China
E38	E1	52.8	84.3	F	0.13 D	D						D	D	16223T 16362C																					Hollar;2014		2300-1700 BC	-2000	-2300	-1700		Siberia_West_BA	Elunino		Tellyskiy Vsyo-i; Altai		Russia
Y10		35.8	103.7		0.13	D						D	D	16223 16362																					GaosAncPhysAnthropol2007		3,800-4,000 yBP	-1900	-2000	-1800 30-35		China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellrtouse F4		China
Y2		35.8	103	M	0.13	D						D	D	223																					GaosAncPhysAnthropol2007		3,800-4,000 yBP	-1900	-2000	-1800 40-45		China_LN_BA	Qijia culture		Lajia, Guanting basin, upper Yellrtouse F4		China
TSBL_BA_KM335823	7	42.8	93.5	U	0.12	D						D	D	189-223-242-311		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335822	8	42.8	93.5	F	0.12	D						D	D	223-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335824	9	42.8	93.5	F	0.12	D						D	D	129-223-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335822	12	42.8	93.5	M	0.12	D						D	D	127-223-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335815	16	42.8	93.5	F	0.12	D						D	D	129-191-223-311-357		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335815	20	42.8	93.5	F	0.12	D						D	D	223-265-362-378		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335821	23	42.8	93.5	M	0.12	D						D	D	223-256-319		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335821	24	42.8	93.5	M	0.12	D						D	D	223-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335815	26	42.8	93.5	M	0.12	D						D	D	189-223-311-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
TSBL_BA_KM335820	27	42.8	93.5	M	0.12	D						D	D	223-362		104007, 5176A																			GaosAncPhysAnthropol2015	Context: Archaeological pro	1900-1300 BC	-1600	-1900	-1300		Xinjiang_East_BA	Tianshanbeilu culture		Tianshanbeilu, Kumul City, Xinjiang		China
T22-6		40.3	88.7	U	0.12	D						D	D	223-234-316-362																					LBMCEvolBio2015		4000-3500 14C yBP	-1550	-1700	-1400		Xiaohe	Tarim Mummies		Xiaohe cemetery	Upper layer (layer	China
Bin20		40.3	88.7	F	0.12	D						D	D	192-223-266-362																					LBMCEvolBio2015		4000-3500 14C yBP	-1550	-1700	-1400		Xiaohe	Tarim Mummies		Xiaohe cemetery	Fourth layer	China
M73		40.3	88.7	U	0.12	D						D	D	172-189-200-223-362																					LBMCEvolBio2015		4000-3500 14C yBP	-1550	-1700	-1400		Xiaohe	Tarim Mummies		Xiaohe cemetery	Fourth layer	China
T18-1		40.3	88.7	M	0.12	D						D	D	53-223-362																					LBMCEvolBio2015		4000-3500 14C yBP	-1550	-1700	-1400		Xiaohe	Tarim Mummies		Xiaohe cemetery	Upper layer (layer	China
BOO72-13		69.1	36.4		0.12 D*	D						D	D	223-362C																					DerSarkisyanFu;LGSenat2013		3500 cmal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Oleni Ostrov		Russia
BOO49-6		69.1	36.4		0.12 D*	D						D	D	223T-362C																					DerSarkisyanFu;LGSenat2013		3500 cmal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Oleni Ostrov		Russia
BOO72-15		69.1	36.4		0.12 D*	D						D	D	223T-362C																					DerSarkisyanFu;LGSenat2013		3500 cmal BP	-1500	-1900	-1100		Europe_North_East_N	Neolithic North-East Europe		Bol'shoy Oleni Ostrov		Russia
TU18	Sag	49	88.2	F?	0.1 D	D						D	D	16223T 16311C 16362C																					HollarFibrenera;ScientGenet2014		1400-800 BC	-1100	-1400	-800		Altai_MLBA	Sagaal		Tahilgaat Uzuur-5, North Altai		Mongolia
Tja34		54	91.5		0.09 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		9-6 centurieso BC	-700	-900	-500 7		Siberia_West_IA	Early Tagar, Bainovo group		Sevelskaya Pokatiya		Russia
Tja123		54.3	91.3		0.09 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-700	-900	-500 7		Siberia_West_IA	Early Tagar, Podgornovo group		Perevoznikij		Kurgan 10, burial	Russia
I4301		34.7	137		0.09 D	D						D	D																						GakuharCommun;Bel2020		2699-2367 cal BP	-583	-749	-417 infant		Japan_Jomon	Final Jomon	Jomon	Rawasu shellmound		Japan
Gaveren25G		38.1	85.5	F	0.08 D	D						D	D	189 223 362																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 30-35		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren42A		38.1	85.5	M	0.08 D	D						D	D	362																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 15-17		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren25C		38.1	85.5	M	0.08 D	D						D	D	189 223 362																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 50-55		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren57B		38.1	85.5	F	0.08 D	D						D	D	223																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 20-25		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren57A		38.1	85.5	M	0.08 D	D						D	D	144A 223 362																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 18		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren56A		38.1	85.5	M	0.08 D	D						D	D	179 223																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 50-55		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren5E		38.1	85.5	M	0.08 D	D						D	D	223 362																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 35-40		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren54A		38.1	85.5	M	0.08 D	D						D	D	rQ85																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 16		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
Gaveren56B		38.1	85.5	F	0.08 D	D						D	D	173 223																					ZhangAmPhysAnthropol2010		2800-2100 yBP	-500	-850	-150 rs0		China_West_LA	Xinjiang LA		Gaveren, near Chärchän or Qiemo, Xinjiang		China
RD13	RD13	47.2	39.7		0.08 D	D						D	D																						DerSarkisyan;2012		6th-2nd c. BCE	-350	-400	-200		Scythian	Classic Scythian		North Pontic region		Russia
Tjq100		54.7	90.8		0.08 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-350	-500	-200 7		Siberia_West_IA	Middle Tagar, Saragash group		Barsuchha-7		Kurgan 1, burial	Russia
Tjq64		54.7	90.8		0.08 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-350	-500	-200 7		Siberia_West_IA	Middle Tagar, Saragash group		Barsuchha-7		Kurgan 1, burial	Russia
Tjq112		54.7	90.8		0.08 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-350	-500	-200 7		Siberia_West_IA	Middle Tagar, Saragash group		Barsuchha-7		Kurgan 1, burial	Russia
Tjq61		54.7	90.8		0.08 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-350	-500	-200 7		Siberia_West_IA	Middle Tagar, Saragash group		Barsuchha-7		Kurgan 1, burial	Russia
Tjq121		54.7	90.8		0.08 D	D						D	D	16223T-163 1019980,1024D0T;5178A																					PilipenkoFu;LGSCH2018		5-3 centuries BC	-350	-500	-200 7		Siberia_West_IA	Middle Tagar, Saragash group		Barsuchha-6		Kurgan 7, burial	Russia
BTG06;T10B	BTG06;T10B	48	89		0.08 D	D						D	D																						GonzalesFu;LGSCH2012		4th-3rd c. BCE	-300	-400	-200		Patayrk	Patayrk Mongolia		NW Mongolia	Baga Turgen Gol	Mongolia
BTG05;T8;3	BTG05;T8;3	48	89		0.08 D	D						D	D																						GonzalesFu;LGSCH2012		4th-3rd c. BCE	-300	-400	-200		Patayrk	Patayrk Mongolia		NW Mongolia	Baga Turgen Gol	Mongolia
BTG06;T8	BTG06;T8	48	89		0.08 D	D						D	D																						GonzalesFu;LGSCH2012		4th-3rd c. BCE	-300	-400	-200		Patayrk	Patayrk Mongolia		NW Mongolia	Baga Turgen Gol	Mongolia
Yuanshan9		39.9	81.6		0.07 D	D						D	D	16184 16223 16362																					GaoSiChmaGer;CLFe5c2008		2135 ± 50 14C yBP	-185	-235	-135		Han_Western	Western Han		Yuanshe, Xinjiang		China
Yuanshe46		39.9	81.6		0.07 D	D						D	D	16184 16223 16362																					GaoSiChmaGer;CLFe5c2008		2135 ± 50 14C yBP	-185	-235	-135		Han_Western	Western Han		Yuanshe, Xinjiang		China
Xianbei2		41.7	121		0.06 D	D						D	D	092, 189, 221, 261, 362		104007, 5176A																			WangAmPhysAnthropol2007		1,600-1700 yBP	300	250	350		China_IA	Three-Yan Culture of the Murong Xianbei		Lamadong cemetery		China
Xianbei13		41.7	121		0.06 D	D						D	D	092, 223, 362		104007, 5176A																			WangAmPhysAnthropol2007		1,600-1700 yBP	300	250	350		China_IA	Three-Yan Culture of the Murong Xianbei		Lamadong cemetery		China
Xianbei10		41.7	121		0.06 D	D						D	D	223, 356, 362		104007, 5176A																			WangAmPhysAnthropol2007		1,600-1700 yBP	300	250	350		China_IA	Three-Yan Culture of the Murong Xianbei		Lamadong cemetery		China
LP20.2	A01 02/02	-12.1	-77		0.04 D*	D						D	D																						LlamaJoAdu2016		500-1000 AD	686	500	1000 Adult		America_South_Ancient	Ychsma		Huaca Pucllana		Peru
LP20.6	A18 02/02	-12.1	-77		0.04 D*	D						D	D																						LlamaJoAdu2016		500-1000 AD	686	500	1000 Adult		America_South_Ancient	Lima		Huaca Pucllana		Peru
2H05-1		47.9	104.7		0.04 D	D						D	D	223-362-369																					LikeePhyAnthr;ispd2018		1350 BC	800	750	850		Siberia_West_IA	Turkic		Zaan khoshuu Site		Mongolia
2H64		47.9	104.7		0.03 D	D						D	D	223-224-291-362																					LikeePhyAnthr;ispd2018		1020-1160 AD	1090	1020	1160		Mongolia_Med	Liao and Jin		Zaan khoshuu Site		Mongolia
Wanggu4		34.1	116		0.02 D	D						D	D																						FuAnnPhyAnthr;ispd2007		AD 1127-1368	1247.5	1127	1368		China_MA	Wanggu tribe		Chengbiaoi cemetery, Ulan Hua, Siziwang Banner,		China
Wanggu10		34.1	116		0.02 D	D						D	D																						FuAnnPhyAnthr;ispd2007		AD 1127-1368	1247.5	1127	1368		China_MA	Wanggu tribe		Chengbiaoi cemetery, Ulan Hua, Siziwang Banner,		China
Gampele6		46.5	19.9		0.02 D	D						D	D																						RogaSciLab;Pan;Ant2005		100-1300	1250	1200	1300		Cumanian	Cumanian		Gampele		Hungary
PUC35	III	-15.6	-72.7		0.02 D	D						D	D																						BacaAnthPhysAnthropol2014		XI-XV century	1300	1100	1500		America_South_Pre_Colu	Late Intermediate Period - Late Horizon		Puca		Peru
ACC97	VI	-15.5	-72.8		0.02 D	D						D	D																						BacaAnthPhysAnthropol2014		AD 900-AM century	1300	1000	1600		America_South_Pre_Colu	Late Intermediate Period - Late Horizon		Pachamarca		Peru
T2CH13		-15.7	-72.7		0.02 D	D						D	D	223 T, 286 T, 325 C, 362 C																					BacaBMCGenet2012		late 15th-early 16th	1500	1450	1550		America_South_Pre_Colu	Late Intermediate Period		Tompullo 2, Andaray	Chulipa I	Peru
T2CH729		-15.7	-72.7		0.02 D	D						D	D	223 T, 325 C, 362 C																					BacaBMCGenet2012		late 15th-early 16th	1500	1450	1550		America_South_Pre_Colu	Late Intermediate Period		Tompullo 2, Andaray	Chulipa VII	Peru
T2CH714		-15.7	-72.7		0.02 D	D						D	D	223 T, 325 C, 362 C																					BacaBMCGenet2012		late 15th-early 16th	1500	1450	1550		America_South_Pre_Colu	Late Intermediate Period		Tompullo 2, Andaray	Chulipa III	Peru
T2CH39		-15.7	-72.7		0.02 D	D						D	D	223 T, 286 T, 325 C, 362 C																					BacaBMCGenet2012		late 15th-early 16th	1500	1450	1550		America_South_Pre_Colu	Late Intermediate Period		Tompullo 2, Andaray		Peru
NE0237	NE0237, DevilsGate1,	44.5	135.F		0.4 D4	D4						D4	D				HaploGrep																		GaiseNatEnv;Rep2019		184203 0.17231 ..	PASS Dtest:Russia_Devil's Gate Cave				Asia_East_N	Amur Basin Early Neolithic		Russia_DevilsCave_N_sister_NE0236		Devil's Gate Cave	Russia
NE0236	NE0236	44.5	135.F		0.4 D4	D4						D4	D				HaploGrep																		GaiseNatEnv;Rep2019		2 53212 ..	PASS Dtest:Russia_Devil's Gate Cave				Asia_East_N	Amur Basin Early Neolithic		Russia_DevilsCave_N		Devil's Gate Cave	Russia
NE0238	NE0238	44.5	135.F		0.39 D4	D4						D4	D				HaploGrep																		GaiseNatEnv;Rep2019		214 0.54231 ..	PASS Dtest:Russia_Devil's Gate Cave				Asia_East_N	Devil's Gate EN		Russia_DevilsCave_N.SG		Devil's Gate Cave	Russia
mw8001	MW392215-1	53.9	106.M*		14.07 0.38 D4	D4						D4	D			CI-6687 + CRYuB																			GaiseNatEnv;Rep2019		5660-5615;5566-554	5612.5	5660	-5565		Siberia_Cis_Baikal_N	Kitoi;Serpovo		Cis-Baikal		Russia
I3354	Popovo33, Cemetery 2	42.8	131.F		674 0.37 D4	D4						D4	D																						MOSI;2018		5368-5216 calBCE (9	-5287	-5368	-5216		Mongolia_MN	Bolsman		Russia_MN_Bolsman		Russia_Lokomotiv_Eneolithic SG	
DA340	LOK_1981.013	52.3	104.M		0.36 D4	D4						D4	D																						MoussaAr;chaeolSci;Rep2016		5317-4852 calBCE (9	-5073	-5317	-4852 20-30		Siberia_Cis_Baikal_EN	Lokomotiv_EN		Lokomotiv	Grave 13	Russia
BQ-M32-11	M32-11	30.3	114		389.58 0.28 D4	D4						D4	D																						LiuSciBul2021		5500-5300 BP	-3450	-3550	-3350		China_East_N	Coastal Dawenkou		Jimo_Beiqian, Beiqian site	M32-11	China
D1953	D1953_Zongri4M251	35.3	100		0.21 D4	D4						D4	D	736 2630 4890C 7S0G 14380 17680 20760 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16362C																		

Object-ID	Colloquial-Skeletal	Lat	Lon	Lab	Sex	mtDNA-c	mtFAmt	mtDNA-haplogroup	mtDNA-Haplotree	mt-TF	mtree	mt-TF-FTDNA-mt-Haplotree	mt-Sin	mt-5	HVS-I	HVS-II	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
MS36		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
GE33		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
MS15		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
GE31		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
MS13		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
AG03		-14.5	-75.2			0.11	D1	D1					D1	0	16223T	16325C	16362C		P_D1														
IL2	IL2	-16.2	-69.7	F		0.1	D1	D1					D1	0					..														
GE28	SC9_L231_BA2239	-7.91	-79.3	F	209	0.11	D1	D1					D1	0					..														
PA21		-14.5	-75.2			0.1	D1	D1					D1	0	16185G	16223T	16325C	16362C	P_D5														
MS28		-14.5	-75.2			0.1	D1	D1					D1	0	16185G	16223T	16325C	16362C	P_D5														
PC-452		18.1	-65.8			0.1	D1 (quality: 96.51)	D1					D1	0	16223T	16239T	16362C	489C	750G 1438G	HaploGroup 2.0 with Phylotree mtDNA tree Build 17													
	17863	-25.8	-65.4	M		0.1	D1							0	223 325 362																		
	18426	-25.8	-65.4	M		0.1	D1							0	223 287 325 362																		
	17842	-25.8	-65.4	F		0.1	D1							0	223 287 325 362																		
	17809	-25.8	-65.4	M		0.1	D1							0	223 325 362																		
IS1169	E8	23	-81.5	F	129.546	0.09	D1																										
IS237	SC9_L230_BA2238	-7.91	-79.3	F	241	0.09	D1																										
I-251		18.1	-66.8	M		0.09	D1 (quality: 89.51)																										
TR001	251-H	18	-66.6	F	25.6111	0.09	D1																										
IS1487	E10	23	-81.5	F	186.152	0.09	D1																										
CA000208	E83 (2006) C150-151;	23	-81.5	F	91.2095	0.09	D1																										
T-188		18.1	-66.8	M		0.09	D1 (quality: 91.36)																										
LP54.2	AB 79/01 Ind2	-12.1	-77			0.09	D1																										
LP13.5	A15 no context (copp	-12.1	-77			0.09	D1																										
CP011		7145	23	-83.3	F	139.579	0.09	D1																									
PU01		-23.6	-65.4	M		0.09	D1																										
FU22		-23.6	-65.4	U		0.09	D1																										
IP667	5796? E1.L1	19.2	-69.2	F	106	0.08	D1																										
PC-99		18.1	-65.8	M		0.08	D1 (quality: 77)	D1					D1	0					HaploGroup 2.0 with Phylotree mtDNA tree Build 17														
PC-E54		18.1	-65.8	U		0.08	D1 (quality: 94.8)	D1					D1	0	16223T	16519C	16362C	489C	750G 1438G	HaploGroup 2.0 with Phylotree mtDNA tree Build 17													
Concho-27	Ochotoma Ind. 1	-13.1	-74.2			0.08	D1	D1					D1	0					..														
Concho-59	Ochotoma Ind. 1	-13.1	-74.2			0.08	D1	D1					D1	0					..														
Concho-02	Ochotoma Ind. 1	-13.1	-74.2			0.08	D1	D1					D1	0					..														
IS742	TA12	-14.3	-74.9	F	1140	0.08	D1																										
IS7588	E44 (2007)	23	-81.5	F	25.8319	0.08	D1																										
IS253	SC10_L250_CW537	-8.58	-77.7	F	22	0.07	D1																										
ALG002	F34SHs	16.3	-61.2	F	201.903	0.07	D1																										
IP668	5796E.E1.L1	19.2	-69.2	F	93.9	0.07	D1																										
TW360	Akapana	-16.6	-68.7	F		0.06	D1																										
IS2375	S12575.E1.L1, S12575	19.7	-71.8	F		0.06	D1																										
PI-44		18.4	-66.4	M		0.06	D1 (quality: 94.03)	D1					D1	0	16223T	16519C	16362C		P_D1														
TA42		-14.5	-75.2			0.06	D1	D1					D1	0	16166G	16223T	16325C	16362C	P_D6														
TA10		-14.5	-75.2			0.06	D1	D1					D1	0	16325C	16362C			P_D7														
MS38		-14.5	-75.2			0.06	D1	D1					D1	0	16223T	16282C	16311C	16325C	16362C	P_D6													
TA02		-14.5	-75.2			0.06	D1	D1					D1	0	16325C	16362C			P_D7														
MU75		-23.4	-65.3	F		0.06	D1	D1					D1	0	16223T	16325C	16354T	16362C															
MU77		-23.4	-65.3	F		0.06	D1	D1					D1	0	16223T	16325C	16354T	16362C															
MU72		-23.4	-65.3	M		0.06	D1	D1					D1	0	16223T	16325C	16354T	16362C															
MU73		-23.4	-65.3	M		0.06	D1	D1					D1	0	16223T	16325C	16354T	16362C															
TR		-23.4	-65.3	M		0.06	D1	D1					D1	0	n.d.				2092T														
MB03		4.6	-74.2			0.06	D1	D1					D1	0					..														
PI-390		18.4	-66.4	U		0.05	D1 (quality: 94.28)	D1					D1	0	16093C	16223T	16362C	489C	750G 1438G	HaploGroup 2.0 with Phylotree mtDNA tree Build 17													
CA0021	E139	23	-81.5	F	139.966	0.05	D1																										
Lake16		-23.2	-65.3			0.05	D1								16223T	16325C	16362C		2092T														
Lake15		-23.2	-65.3			0.05	D1								16223T	16325C	16362C		2092T														
Huari-MQ-13	M	-13.1	-74.2			0.05	D1												..														
DC21		15500	-24.6	-64.9	F	0.05	D1+16354	D1					D1	0	16223T	16325C	16354T	16362C															
LP22.2	Inv1		-11.6	-77.2		0.05	D1	D1					D1	0					..														
IS1323	S13323.E1.L1	18.4	-66.3	F	307.2	0.05	D1																										
IS251	SC10_L247_CW534	-8.58	-77.7	F	664	0.05	D1																										
IS264	SC12_L281_CW531	-8.58	-77.7	F	1940	0.05	D1																										
LAV011	67_11	34.1	-60.9	F	80.8546	0.05	D1																										
Ayo3		-23.2	-65.3			0.04	D1								16223T	16325C	16362C		2092T														
MB65	10722A	-12.1	-77.9	F	107	0.04	D1																										
LP28.2	Lluliallasco Marden	-24.8	-68.6			0.04	D1																										
LaghmongGol		-24.8	-68.6			0.04	D1																										
LP41.11	III-ET30B Ind3	-9.55	-77.9			0.03	D1																										
LP41.8	III-EA35B Ind1&2	-9.55	-77.9			0.03	D1																										
TOY-1-1	TOY-1-1	-13.2	-72.4	F		0.03	D1												..														
TA44		-14.5	-75.2			0.12	D1a1	D1a1					D1a1	0	16108T	16189C	16223T	16325C	16362C	D29													
JA35		-14.5	-75.2			0.16	D1a1	D1f					D1f	0	16147T	16148T	16223T	16278T	16325C	D30													
JA54		-14.5	-75.2			0.16	D1a1	D1f					D1f	0	16147T	16148T	16223T	16278T	16325C	D30													
JA45		-14.5	-75.2			0.16	D1a1	D1f					D1f	0	16147T	16148T	16223T	16278T	16325C	D30													
JA65		-14.5	-75.2			0.16	D1a1	D1f					D1f	0	16147T	16148T	16223T	16278T	16325C	D30													
JA55		-14.5	-75.2			0.14	D1a1	D1f					D1f	0	16147T	16148T	16223T	16278T	16325C	D31													
IP886	A515	-38.4	-60.2	F	6.15	0.02	D1g	D1g					D1g	0					..														
ZN		-53.1	-69.5	M		0.08	D1g	D1g					D1g	0					n/a														
PA_D (D)		-54	-68.5	F		0.08	D1g	D1g					D1g	0					n/a														
PA_F (F)		-54	-68.5	M		0.08	D1g	D1g					D1g	0					n/a														
CrT2		-51.7	-68.6	F		0.08	D1g	D1g					D1g	0					n/a														
PA32		-53.4	-70.3	F		0.02	D1g	D1g					D1g	0					n/a														
PA45		-52.7	-68.9	M		0.08	D1g	D1g					D1g	0					n/a														
AM73		-49.7	-74.7			0.01	D1g	D1g					D1g	0					..														
DC18	14040	-22.4	-66.7	F		0.08	D1g4b@16325	D1g4					D1g4b	0	16187T	16223T	16257T	16290T	16362C														
IB351	SC50_L764_LCH.E4.4	36.1	-62.3	F	48.7	0.13	D1g+16189	D1g	T16189C!				D1g+a	0					..														
I12357	42JM	-54.7	-65.4	F		0.03	D1g+16189	D1g	T16189C!				D1g+16189!	0																			
I12366	56JM	-53.7	-68.7	F		0.01	D1g+16189	D1g	T16189C!				D1g+16189!	0																			
QGN00051	A0440	-53.8	-67.8	F		0	D1g + 16189	D1g	T16189A!				D1g+16189!	0																			
DC19	14051	-22.4	-66.9	M		0.08	D1g5+16125	D1g5					D1g5	0	16125A	16187T	16189C	16209C	16223T	16362C													
Fueguian# A577		-55.9	-67.9	M		0.02	D1g5	D1g5					D1g5	0	nd				n/a														
QGN00053	A0438	-53.8	-67.8	M		0	D1g5	D1g5					D1g5	0					..														
QGN00034	A0437	-53.8	-67.8	M		0	D1g5	D1g5					D1g5	0					..														
QGN00039	A0258	-53.8	-67.8	F		0	D1g5	D1g5					D1g5	0					..														
QGN00031	A0263	-53.8	-67.8	F		0	D1g5	D1g5					D1g5	0					..														
QGN00032	A0264	-53.8	-67.8	M		0	D1g5	D1g5					D1g5	0					..														
QGN00020	A0443	-53.8	-67.8	F		0	D1g5	D1g5					D1g5	0					..														
QGN00040	A0442	-53.8	-67.8	U		0	D1g5	D1g5					D1g5	0					..														
QGN00043	A0249	-53.8	-67.8	F		0.18	D1g5	D1g5					D1g5	0					..														
LLP.52 E1	MW291678	-37.7	-63.5					DJ1j					DJ1j	0					..														
FS-17	SDM34, 17862	34.9	-121.7	F	21.62	0.11	D1i	D1					D1	0	9966A	9804A, 16291T																	
FS-24		17869	34.9	-121.7	F	0.11	D1i	D1					D1	0	9966A	9804A, 16291T																	
FS-13		17857	34.9	-121.9	M	0.11	D1i	D1					D1	0	nd				n/a														
FS-23	SDM34, 17868	34.9	-121.7	F	61.76	0.11	D1i	D1					D1	0	9966A	1102G, 8480T																	
FS-11		17810	34.9	-121.7	F	0.11	D1i	D1					D1	0	9966A	8480T, 16051G, 16291T																	
FS-02	SDM34, 17749	34.9	-121.7	F	22.37	0.11	D1i	D1					D1	0	9966A	9804A, 16291T																	
FS-18	SDM34, 17863	34.9	-121.7	F	25.39	0.11	D1i	D1					D1	0	9966A	1102G, 8480T																	
FS-04	SDM34, 17751	34.9	-121.7	F	9.78	0.11	D1i	D1					D1	0	9966A	9804A, 16291T																	
LaelaFH01		24	108	F	261	0.4a (96.06%)	D4a						D4a	0	73G 152C 263G 489C 750G 14382 2706G 3010A 3206T 4769G 4883T 5178A 7028T 8414T 8473C 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 14909C 15043A 15301A 15326G 16129A 16223T 16362C															
SheneanKP09		23.3	108	F	261	0.4a (96.06%)	D4a						D4a	0	73G 152C 263G 489C 750G 14382 2706G 3010A 3206T 4769G 4883T 5178A 7028T 8414T 8473C 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 14909C 15043A 15301A 15326G 16129A 16223T 16362C															
Mesolithic-Japan3		-35.2	138	M		0.38	D4a2*	D4a2*					D4a2*	0	A-T36, T152C, A263G, T482C, A-T505, A-T489, A-T506, A-T507, A-T509, A-T510, A-T511, A-T512, A-T513, A-T514, A-T515, A-T516, A-T517, A-T518, A-T519, A-T520, A-T521, A-T522, A-T523, A-T524, A-T525, A-T526, A-T527, A-T528, A-T529, A-T530, A-T531, A-T532, A-T533, A-T534, A-T535, A-T536, A-T537, A-T538, A-T539, A-T540, A-T541, A-T542, A-T543, A-T544, A-T545, A-T546, A-T547, A-T548,

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon	Sex	mtDNA-c-rmsF	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-FT-FTDNA-mt-Haplotree	mt-Sin-no-5-HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FTD	YfuS	Y-Yfu-SOGQ2010	FTDNA-Y-Haplotree
AM71		-49.7	-74.7		0.01	D4h3a	D4h3a	https://www.haplogroup.eu/tree/mtdna#D4h3a	https://www.haplogroup.eu/tree/mtdna#D4h3a	D4	D																
CI-02		-52.7	-71.5	M	0.42	D4h3a5	D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	D4	D		n/a														
PA36		-51.8	-72.4	M	0.42	D4h3a5	D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	D4	D		n/a														
OZ0ND026	AD253	-53.8	-67.8	F	0.01	D4h3a5	D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	D4	D																
OZ0ND042	AD250	-53.8	-67.8	U	0.01	D4h3a5	D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	D4	D																
OZ0ND057	AD439	-53.8	-67.8	M	0.01	D4h3a5	D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	https://www.haplogroup.eu/tree/mtdna#D4h3a5	D4	D																
XUS-B-939	**Ancient939**, XVII-B-90	54.3	-131	F		D4h3a7	D4h3a7	https://www.haplogroup.eu/tree/mtdna#D4h3a7	https://www.haplogroup.eu/tree/mtdna#D4h3a7	D4	D		G396Za	Yfull													
NE36	ARSD 8K_delated	46.1	126 U	47		D4h4	D4h4	https://www.haplogroup.eu/tree/mtdna#D4h4	https://www.haplogroup.eu/tree/mtdna#D4h4	D4	D																
Mo_2*	Mo_2*	49.3	87.6		0.36	D4h4a	D4h4a	https://www.haplogroup.eu/tree/mtdna#D4h4a	https://www.haplogroup.eu/tree/mtdna#D4h4a	D4	D				Haplogrp/Phylotree build14												
Levi-A0068		49.4	146.6	F	0.14	D4h4a	D4h4a	https://www.haplogroup.eu/tree/mtdna#D4h4a	https://www.haplogroup.eu/tree/mtdna#D4h4a	D4	D	16223T 16311C 16362C															
MHper11		47	21.6		0.14	D4h4a	D4h4a*	https://www.haplogroup.eu/tree/mtdna#D4h4a*	https://www.haplogroup.eu/tree/mtdna#D4h4a*	D4	D	16519C 16362C	73G 152C 263T	Yfull													
L3254	C202, Zongin9297	35.3	100		0.40	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
L3255	C056, Zongin9299	35.3	100		0.44	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R2122	C5P053, Zongin9400	35.3	100		0.4	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R3089	C5P045, Zongin9427	35.3	100		0.4	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R2114	C5J057, Zongin9432	35.3	100		0.39	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R2111	C5P047, Zongin9475	35.3	100		0.39	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R2121	C5P034, Zongin9478	35.3	100		0.38	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
L3197_L3183	C205, Zongin9512	35.3	100		0.36	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
R2113	C5P040, Zongin9480	35.3	100		0.35	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16294T 16362C															
AUN007	Alai / Nura L II, Tuyuk	41.4	71.5 F	135.952	0.21	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	16223T 16294T 16296T 16362C															
OLN008	AT-873	47.1	102 F		0.1	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D																
Dvrk5.SR2916		46.7	20.3 M		0.09	D4i	D4i	https://www.haplogroup.eu/tree/mtdna#D4i	https://www.haplogroup.eu/tree/mtdna#D4i	D4	D	16223T 16294T 16296T 16362C															
Karos2256		46.8	21.7 F		0.36	D4i2	D4i2	https://www.haplogroup.eu/tree/mtdna#D4i2	https://www.haplogroup.eu/tree/mtdna#D4i2	D4	D																
DA341	LOX_1988.039	52.3	104 F		0.46	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
HMF32		44	122 F	111.381	0.34	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
HQPM43		47.4	124 M		0.24	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
U0576	C18L	34.7	104		0.24	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11696A 11739A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16362C															
BD9001	Bidayk	49.3	75.1 F	16.43	0.14	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
YA-M010	M010	36.8	116	388.28	0.13	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
NLKJRT_M4	-	43.5	83.3	406.976	0.12	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
RC26		47.1	19.3		0.08	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D																
Uyelgir21	MOT55 (K11/5.)	55.8	61.6 F		0.07	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D	73G 204C 207A 263G 489C 750G 1438G 16537T 2706G 3010A 4769A															
MA2396	HS 08-07, 08 07 11, Ne	39.3	318.6 U		0.02	D4j	D4j	https://www.haplogroup.eu/tree/mtdna#D4j	https://www.haplogroup.eu/tree/mtdna#D4j	D4	D			381													
I7782	**MOZ8B**, Mozib	52.9	104 F	261	0.61	D4j5	D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	D4	D																
AO08		14.5	-75.2		1	D4j5a	D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	D4	D	16086C 16223T 16311C 16325C 163.9T_D3															
AO06		-14.5	-75.2		1	D4j5a1	D4j5a1	https://www.haplogroup.eu/tree/mtdna#D4j5a1	https://www.haplogroup.eu/tree/mtdna#D4j5a1	D4	D	16086C 16223T 16311C 16325C 163.9T_D3															
D1952	C050, Zongin945	35.3	100		0.08	D4j6	D4j6	https://www.haplogroup.eu/tree/mtdna#D4j6	https://www.haplogroup.eu/tree/mtdna#D4j6	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 5262A 7028T 7055G 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11696A 11719A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16362C															
M010	M010	43.6	93.2 F		0.27	D4j6a	D4j6a	https://www.haplogroup.eu/tree/mtdna#D4j6a	https://www.haplogroup.eu/tree/mtdna#D4j6a	D4	D	Mitofoed (phylotree build 16)															
ZGLK_M1359		38.3	85.3	382.539	0.28	D4j9	D4j9	https://www.haplogroup.eu/tree/mtdna#D4j9	https://www.haplogroup.eu/tree/mtdna#D4j9	D4	D																
DA177	Karli	52	77.2 F		0.38	D4j9c	D4j9c	https://www.haplogroup.eu/tree/mtdna#D4j9c	https://www.haplogroup.eu/tree/mtdna#D4j9c	D4	D																
OUN012	AT-894	47.1	102 F		0.26	D4j10	D4j10	https://www.haplogroup.eu/tree/mtdna#D4j10	https://www.haplogroup.eu/tree/mtdna#D4j10	D4	D																
NLR1218_M62	-	43.6	82.5	319.574	0.26	D4j12a	D4j12*	https://www.haplogroup.eu/tree/mtdna#D4j12*	https://www.haplogroup.eu/tree/mtdna#D4j12*	D4	D																
AC3		46.9	20.5		0.29	D4j12	D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	D4	D																
Karos375		48.3	21.7 I		0.23	D4j12	D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	D4	D																
Karos375		48.3	21.7 M		0.23	D4j12	D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	https://www.haplogroup.eu/tree/mtdna#D4j12	D4	D																
CGGL_M2		46.5	90.7	346.413	0.15	D4j15*	D4j15*	https://www.haplogroup.eu/tree/mtdna#D4j15*	https://www.haplogroup.eu/tree/mtdna#D4j15*	D4	D																
ku006	Group 1, Kurgan 1, G	46.3	29.5 F		0.18	D4j2*	D4j2*	https://www.haplogroup.eu/tree/mtdna#D4j2*	https://www.haplogroup.eu/tree/mtdna#D4j2*	D4	D	A73G, T152C, A263G, T310C, T489C, C16292T + C16293T															
Myc1	Myrian 1	67.6	133		0.01	D4j2	D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	D4	D																
Ust272	MH1092/14.1	53.2	107 F*	18.32	0.1	D4j4	D4j4	https://www.haplogroup.eu/tree/mtdna#D4j4	https://www.haplogroup.eu/tree/mtdna#D4j4	D4	D			G1169Ka	Yfull												
I14000	Nij, Kharsuyin Gosgor	49.5	103 F	396	0.46	D4j4	D4j4	https://www.haplogroup.eu/tree/mtdna#D4j4	https://www.haplogroup.eu/tree/mtdna#D4j4	D4	D																
KHO001	AT-499	47.1	91.8 F		0.23	D4j5	D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	D4	D	Genetic data sufficient for sex and haplogroup calling, but contamination too high for genome-wide ancestry analysis															
AR5002	2006-2	49.7	99.7 F		0.22	D4j5	D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	https://www.haplogroup.eu/tree/mtdna#D4j5	D4	D																
OUN012	2005 Mogilla 75	50.5	106 F		0.54	D4j5a	D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	D4	D																
AAC02		47	19.2		0.47	D4j5a	D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	https://www.haplogroup.eu/tree/mtdna#D4j5a	D4	D			A7446C + C11Y+Yfull													
HS017	HS017	54	106 F	21.137	0.65	D4j5a1*	D4j5*	https://www.haplogroup.eu/tree/mtdna#D4j5*	https://www.haplogroup.eu/tree/mtdna#D4j5*	D4	D																
NLKC5C_M5	HS190042	43.6	82.5	427.889	0.14	D4j5b12	D4j5*	https://www.haplogroup.eu/tree/mtdna#D4j5*	https://www.haplogroup.eu/tree/mtdna#D4j5*	D4	D			Yfull													
SPL_058		37	79.9	319.39	0.56	D4j6	D4j6	https://www.haplogroup.eu/tree/mtdna#D4j6	https://www.haplogroup.eu/tree/mtdna#D4j6	D4	D			Yfull													
CGGL_M1	BA190034	46.5	90.7	191.71	0.08	D4j7	D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	D4	D			Yfull													
QRG_MB09-4		43.6	93	364.518	0.07	D4j7	D4j7	https://www.haplogroup.eu/tree/mtdna#D4j7	https://www.haplogroup.eu/tree/mtdna#D4j7	D4	D			Yfull													
QRG_MB19MB-1		43.6	93	265.611	0.07	D4j7	D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	D4	D			Yfull													
I12971	AT_980, 980	49.2	115 F	460	0.3	D4j7	D4j7	https://www.haplogroup.eu/tree/mtdna#D4j7	https://www.haplogroup.eu/tree/mtdna#D4j7	D4	D			Yfull													
BYH_M34	BA172102	44	89.6	482.645	0.4	D4j2a	D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	D4	D			Yfull													
SMT5_M70		43.2	81.1	330.314	0.04	D2a2	D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	https://www.haplogroup.eu/tree/mtdna#D4j7*	D4	D			Yfull													
HZY_JM5-1-1		43.6	93	430.712	0.35	C4a1a5	D4j8*	https://www.haplogroup.eu/tree/mtdna#D4j8*	https://www.haplogroup.eu/tree/mtdna#D4j8*	D4	D			Yfull													
QTLD_M47-8		48.1	86.4	274.457	0.38	D4j8	D4j8	https://www.haplogroup.eu/tree/mtdna#D4j8	https://www.haplogroup.eu/tree/mtdna#D4j8	D4	D			Yfull													
SSG_SU008		47.4	85.9	396.717	0.1	U7a	D4j8*	https://www.haplogroup.eu/tree/mtdna#D4j8*	https://www.haplogroup.eu/tree/mtdna#D4j8*	D4	D			Yfull													
EFO003	Pitschenaya Mogiila	52.5	107 F		0.17	D4e+16286	D4e*	https://www.haplogroup.eu/tree/mtdna#D4e*	https://www.haplogroup.eu/tree/mtdna#D4e*	D4	D			Yfull													
TLKTS_M6A	BA190047	43.5	83.3	433.547	0.24	C4a2a+195	D4e+	https://www.haplogroup.eu/tree/mtdna#D4e+	https://www.haplogroup.eu/tree/mtdna#D4e+	D4	D			Yfull													
MOZ0PM-2	MOZ0PM	53	104 F		0.23	D4e	D4e	https://www.haplogroup.eu/tree/mtdna#D4e	https://www.haplogroup.eu/tree/mtdna#D4e	D4	D			Haplogrp (v2.1.20)													
K78	RMPR-78	41.9	12.5 F		0.41	D4j11	D4j11	https://www.haplogroup.eu/tree/mtdna#D4j11	https://www.haplogroup.eu/tree/mtdna#D4j11	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11696A 11739A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16311C 16362C															
L3231	C5N048, Hedzingol	36.4	103		0.09	D4j11	D4j11	https://www.haplogroup.eu/tree/mtdna#D4j11	https://www.haplogroup.eu/tree/mtdna#D4j11	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4769G 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11696A 11739A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16223T 16311C 16362C															
L0642	C5P058,	35.3	100		0.34	D4j3	D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	D4	D	73G 263G 489C 750G 1438G 2706G 3010A 4883T 5178A 7028T 8414T 8701G 8860G 9540C 10398G 10400T 10873C 11696A 11739A 12705T 14668T 14766T 14783C 15043A 15301A 15326G 16182T 16223T 16311C 16362C															
Zai_9	Zai_9	50.2	81.8	221.263	0.23	D4j3	D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	D4	D			Haplogrp/Phylotree build14													
BAM001	AT-752	48.6	103 F	0.15	0.3	D4j3	D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	https://www.haplogroup.eu/tree/mtdna#D4j3	D4	D																
NLKWC_M24		43.3	81.8	476.632	0.29	W3b	D4j3a*	https://www.haplogroup.eu/tree/mtdna#D4j3a*	https://www.haplogroup.eu/tree/mtdna#D4j3a*	D4	D																
QEG_M52-7-1		43.6	93	413.086	0.22	F2f	D4j-T16311C*	https://www.haplogroup.eu/tree/mtdna#D4j-T16311C*	https://www.haplogroup.eu/tree/mtdna#D4j-T16311C*	D4	D																
SHper143		47.2	21.2	0.07	D4e+16311	D4e-T16311C*	https://www.haplogroup.eu/tree/mtdna#D4e-T16311C*	https://www.haplogroup.eu/tree/mtdna#D4e-T16311C*	D4	D	73G 263G +5460A 9596G 15323A 16311T															
I1198	Popovka1, Cemetery 2	42.8	131 F	276	0.78	D4j2	D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	D4	D																
2AA007	AT-958	47.9	104 F	0.14	0.07	D4j2	D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	D4	D																
HMS2per38		46.5	19.1	0.11	0.12	D4j2*	D4j2*	https://www.haplogroup.eu/tree/mtdna#D4j2*	https://www.haplogroup.eu/tree/mtdna#D4j2*	D4	D	73G! 125C 128T 523A 772TG 1409 125C 127C															
CHM2ce		50	92.1 F	0.07	0.02	D4j2	D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	https://www.haplogroup.eu/tree/mtdna#D4j2	D4	D																
NEO235	NEO235	44.5	135 F	0.56	0.04	D4m	D4m	https://www.haplogroup.eu/tree/mtdna#D4m	https://www.haplogroup.eu/tree/mtdna#D4m	D4	D			HaploGrp													
NEO240	NEO240	44.5	135 F	0.55	0.06	D4m	D4m	https://www.haplogroup.eu/tree/mtdna#D4m	https://www.haplogroup.eu/tree/mtdna#D4m	D4	D			HaploGrp													
OGDNU105	Dagaduk Ruins	35.8	111	0.16	0.05	D4m	D4m	https://www.haplogroup.eu/tree/mtdna#D4m	https://www.haplogroup.eu/tree/mtdna#D4m	D4	D																
SVA1411		42.5	125 F	52.66	0.31	D4m1	D4m1	https://www.haplogroup.eu/tree/mtdna#D4m1	https://www.haplogroup.eu/tree/mtdna#D4m1	D4	D																
B1_2*	B1_2*	49.8	89.1		0.4	D4m2	D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	D4	D																
ABD032		49.1	44.2		0.4	D4m2	D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	D4	D																
Dvrk5.SZ28		46.7	20.3 F		0.4	D4m2	D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	https://www.haplogroup.eu/tree/mtdna#D4m2	D4	D	16042A 16172C 16223T 16362C															
HAR15.6B		46.7	20.3	0.14	0.1	D4m2a	D4m2a	https://www.haplogroup.eu/tree/mtdna#D4m2a	https://www.haplogroup.eu/tree/mtdna#D4m2a	D4	D	16042A 16145A 16223T 16223T 16362C															
HMS2per32		46.3	132 F		0.1	D4m2a	D4m2a*	https://www.haplogroup.eu/tree/mtdna#D4m2a*	https://www.haplogroup.eu/tree/mtdna#D4m2a*	D4	D	73G 263G +3864C 7453C 228A 1638G 73G 263G 4E															
S218	S218	37.6	109.7	18.318	0.1	D4n	D4n	https://www.haplogroup.eu/tree/mtdna#D4n	https://www.haplogroup.eu/tree/mtdna#D4n	D4	D	DNa	RasiAsab_v44.3														
TUK308		47.8	102 M		0.6	D4q	D4q	https://www.haplogroup.eu/tree/mtdna#D4q	https://www.haplogroup.eu/tree/mtdna#D4q	D4	D	73G,200G,263G,315.1C(,489C,750G,1438G,2706G,3010A,4769T		?	DYS456:15; DYS389I:13; DYS390:24; DYS389II:29; DYS458:16; DYS19:16; DYS385:12/14; DYS393:13/4; DYS391:09; DYS439:11; DYS635:21; DYS392:11/11; GATAH4:12; DYS437:14; DYS438:10; DYS448:20; DYS449:29; DYS518: -; DYS570:19; DYS576:18; DYS481:26); DYS627:22); DYS533: -; DYS460: 9; DYF387S1:(38);											
NE-16	ARB.5K	46	126 F	273	0.6	D4q	D4q	https://www.haplogroup.eu/tree/mtdna#D4q	https://www.haplogroup.eu/tree/mtdna#D4q	D4	D																
MD49	ARB.3K	-45.7	127 F	59	0.6	D4q	D4q	https://www.haplogroup.eu/tree/mtdna#D4q	https://www.haplogroup.eu/tree/mtdna#D4q	D4	D	16427-A,C,8,20K,cu8kP															
EG63		49.6	103 M	0.19	0.61	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16183G, 16189C, 16223T, 16274A, 16290T, 16319A, 16362C: Reported as A															
EG65		49.6	103 F	0.19	0.62	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16179T, 16183T, 16223T, 16290T, 16319A, 16362C: Reported as A															
EG35		49.6	103 F	0.19	0.63	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16223T, 16290T, 16319A, 16362C: Reported as A															
EG83 bis		49.6	103	0.19	0.64	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16179T, 16183T, 16223T, 16290T, 16319A, 16362C: Reported as A															
EG93		49.6	103 F	0.19	0.65	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16179T, 16183T, 16223T, 16290T, 16319A, 16362C: Reported as A															
EG36		49.6	103 U	0.19	0.66	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16223T, 16290T, 16319A, 16362C: Reported as A															
EG37A		49.6	103 F	0.19	0.67	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16223T, 16290T, 16319A, 16362C: Reported as A															
EG68		49.6	103 F	0.19	0.68	D4q1	D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	https://www.haplogroup.eu/tree/mtdna#D4q1	D4	D	16223T, 16290T, 16319A, 16362C: Reported as A															
QTLD_M75-1		48.1	86.4	329.102	0.62	D4q5	D4q5	https://www.haplogroup.eu/tree/mtdna#D4q5	https://www.haplogroup.eu/tree/mtdna#D4q5	D4	D																
SA8907	Popovo_19, Boyemana	43.8	131 F	79.24	0.3	D4q2a	D4q2a	https://www.haplogroup.eu/tree/mtdna#D4q2a	https://www.haplogroup.eu/tree/mtdna#D4q2a	D4	D																
DA128	I59	43.5	77.8 F		0.3	D4q2a	D4q2a	https://www.haplogroup.eu/tree/mtdna#D4q2a	https://www.haplogroup.eu/tree/mtdna#D4q2a	D4	D																
ZGLK_M1359	BA190053	38.3	85.3	326.434	0.28	T1a1b1	D4r-T295C*	https://www.haplogroup.eu/tree/mtdna#D4r-T295C*	https://www.haplogroup.eu/tree/mtdna#D4r-T295C*	D4	D																
MG132

Object-ID	Colloquial-Skeletal	Lat.Long	Sex	mtDNA-c-rest	FAMILY	mtDNA-haplogroup	mtDNA-Haplotree	mt-TF-rtree	mt-TF-FTDNA-mt-Haplotree	mt-Sim-to-5-HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR-F-Simple	YTree	Y-Haplotree-*	Y-Haplotree-I-FTDYfull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
KO7	Kwäday Dän Ts'ìnchi, Lu	59.9 -138		0.01 A		A	Tree	Tree	N/A	A	A														
TZCH730		-15.7 -72.7		0.01 A		A	Tree	Tree	N/A	A	A														
TZCH38		-15.7 -72.7		0.01 A		A	Tree	Tree	N/A	A	A														
MH1	QE223-5	12.2 142.9		0 N13		N13	Tree	Tree	N13	N13	N13														
ZEU011	ZEU001.B0101.TF1.1	50.1 14.7	F	N1'5		N1'5	Tree	Tree	N1'5	N	N														
JK2960		1048 29.9	31.2	0.04 N1'5		N1'5	Tree	Tree	N1'5	N	N														
atp919	ATP19	42.4 -13.2	F	0.14 N1		N1	Tree	Tree	N1	N1	N			HaplGroup 2											
GUN241		47.9 3.61		0.13 N1		N1	Tree	Tree	N1	N1	N			HAPLOFIND											
OST 8		52 10.7		0.13 N1		N1	Tree	Tree	N1	N1	N														
Rathaus167	KH130167	54.5 9.62	M	0.02 N1		N1	Tree	Tree	N1	N1	N														
Greyfriars Ark 1015KH150127		55.3 8.77	M	0.01 N1		N1	Tree	Tree	N1	N1	N														
ECS1		47.1 20.9		0.17 N1a		N1a	Tree	Tree	N1a	N1a	N														
FLO1		49.7 8.15		0.17 N1a		N1a	Tree	Tree	N1a	N1a	N														
UWO5		51.6 11.5		0.16 N1a		N1a	Tree	Tree	N1a	N1a	N														
DEB1		51.9 10.9		0.17 N1a		N1a	Tree	Tree	N1a	N1a	N														
DEB3		51.9 10.9		0.17 N1a		N1a	Tree	Tree	N1a	N1a	N														
Esseglvillae (2/4)		47.1 20.9		0.16 N1a		N1a	Tree	Tree	N1a	N1a	N			C147A, T172C, T189C, C223T, C248T, G274A, C355T											
GLN220		47.9 3.61		0.16 N1a		N1a	Tree	Tree	N1a	N1a	N														
GLN260		47.9 3.61		0.16 N1a		N1a	Tree	Tree	N1a	N1a	N														
WN5	Grab 32	52.1 10.6		0.15 N1a		N1a	Tree	Tree	N1a	N1a	N														
LVY6/3A		46.1 11.1		0.15 N1a		N1a	Tree	Tree	N1a	N1a	N			16114A 16147A 16172C 16316G											
Frisia4		46.2 -0.48	U	0.15 N1a		N1a	Tree	Tree	N1a	N1a	N														
107G-1		48.7 7.57	M	0.14 N1a		N1a	Tree	Tree	N1a	N1a	N			-											
KAL1		53.8 51.3		0.11 N1a		N1a	Tree	Tree	N1a	N1a	N			147G 172C 223T 248T 344T 355T											
GUP2	59/96 Schädel A	53.7 12		0.09 N1a		N1a	Tree	Tree	N1a	N1a	N														
Kiel		51.7 94.5		0.06 N1a		N1a	Tree	Tree	N1a	N1a	N			16147A, 16172C, 16223T, 16248T, 16355T											
R6		55 11.9		0.01 N1a		N1a	Tree	Tree	N1a	N1a	N			16147A, 16172C, 16195C,16223T,16248T,16320T,16355T											
AdrD40	TOBTAK-850	38.3 34.2	F	6.09961 0.3 N1a1a1		N1a1a1*	Tree	Tree	N1a1a1*	N1a1a1	N1a1a1														
LGC52	1662.	46 18.6	F	0.23 N1a1		N1a1	Tree	Tree	N1a1	N1a1	N1a1			16147A 16172c 16189c 16223t 16248t 16274a 16355t											
DEB 1		51.9 10.9	F	0.23 N1a1		N1a1	Tree	Tree	N1a1	N1a1	N1a1			A16129G C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16355T											
BAM22	152?.	46.2 18.7	F	0.23 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			16088c 16147A 16172c 16223t 16248t 16320t 16355t											
DEB 3		51.9 10.9	F	0.23 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			A16129G C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
HARG 2	132.	46.7 19	F	0.21 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			16088c 16147A 16172c 16223t 16248t 16320t 16355t											
RO565		48.5 7.47		0.21 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			Haplofind and Phy-Mer, Phylotree build17											
OAD 1		51.7 11.5		0.19 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			A16129G C16147A C16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
ITJ3B	ITJ3B	50.1 14.2	F	N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1														
QLE 8		51.8 11.1		0.17 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1			T16086C A16129G C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T T16325C C16355T											
LIB53B	542b	21.1 30.7	F	0.03 N1a1a		N1a1a	Tree	Tree	N1a1a	N1a1a1	N1a1a1														
UWS 5.2		51.7 11.5		0.74 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16355T											
KAR 40		51.3 11.7		0.74 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			A16129G C16147A T16154C T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
UWS 6		51.7 11.5		0.74 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			C16147A T16154C T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
SDV19	1139.	46 18.1	F	0.74 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			16147A 16154c 16172c 16223t 16248t 16320t 16355t											
BSZ 5	510.	46.8 17.9	M	0.73 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			16147A 16154c 16172c 16223t 16248t 16320t 16355t											
DEB 22		51.9 10.9	F	0.73 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			T16050C C16147A T16154C T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
SALZ 25		51.5 11.9		0.62 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			C16147a TI C146T C195T T199C T204C A247G											
LZ790	GEN_62	47.2 20.7	F	0.59 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a														
SALZ 62		51.5 11.9		0.54 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			C16147a TI C146T C195T T199C T204C A247G											
SALZ 90		51.5 11.9		0.54 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a	N1a1a1a			C16147a T16154C T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T T16362C											
Bon005	ZH4F	37.8 32.9	F	0.31 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
ZIH40	ZIH40_ZIH40_BONO04	37.8 32.9	F	0.31 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			Haplofind and Haplogrep											
Tep004	TP'10 SK 37	38.2 34.5	F	0.29 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
BF25	T4 / SSK15	40.3 20.7	F	104 0.24 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			Haplogrep (v2.1.20)											
R3	RMPR-3	42 13.5	F	0.23 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
Klen1	Klein/haderal.	48.7 16.6	F	0.23 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
UZZ74		38.1 12.8	F	0.22 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			199C 204C !146DA 118B4G											
Xlch205	gr. 130/2120	48.8 9.18	F	0.23 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
ID357	HAL14	51.9 11.7	F	0.22 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			A16129G C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
ID098	HAL7/Ha5L, HAL 7	51.9 11.7	F	0.21 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			A16129G C16147A T16172C T16187C C16189T G16230A C16248T T16278C C16311T C16320T C16355T											
ID060	Grave 55	48.7 16.6	F	184 0.21 N1a1		N1a1a1*	Tree	Tree	N1a1a1*	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
ISD942		122 36.1	6.34 F	0.21 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16189t 16223t 16248t 16355t											
SZH02		46 18.3		0.21 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
AU116		46.2 18.7		0.21 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t 16355t											
JO175	SD175	46.2 18.7		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
HI168	POPSAI, SU1345	45.3 18.7	F	233.442 0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1														
BAM27		46.2 18.7		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t 16355t											
BAL26		46.2 18.7		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t 16355t											
BAL16		46.2 18.7		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t											
MOR712		46.2 18.6		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t 16355t											
CSAT29		47.5 18.6		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16223t 16248t 16355t											
CSAT1		47.5 18.6		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16189t 16223t 16248t 16355t											
CSAT20		47.5 18.6		0.2 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			16147A 16172c 16189t 16223t 16248t 16355t											
N18	N18	52.6 19	F	0.16 N1a1a1		N1a1a1	Tree	Tree	N1a1a1	N1a1a1a-T152C!+N1a1a1	N1a1a1a-T152C!+N1a1a1			71, 152, 195, 204, 263, 573 C, 663, 750, 1438, 17 ..											
eLMM023	MN687311	43 12.9	F	0.07 N1a1a1b		N1a1a1*	Tree	Tree	N1a1a1*	N1a1a1a	N1a1a1a			73G 199C 204C 263G 309.1C 669C ! C16147A + T195ruB											
ID736		40.3 29.6	F	770 0.29 N1a1a1a-Mielatalia		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
ID854	111-216	40.3 29.6	F	0.24 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
VF108		46 18.5		0.24 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			16086c 16147a 16172c 16223t 16248t 16320t 16355t											
Sam3	KY09189B.1	50.6 21.6	F	0.21 N1a1a1a*		N1a1a1a*	Tree	Tree	N1a1a1a*	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia				C16320T	YFull									
KN178	gr. 105/2975	48.8 9.18	F	0.21 N1a1a1a*		N1a1a1a*	Tree	Tree	N1a1a1a*	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
KN211	gr. 37/256	48.8 9.18	F	0.21 N1a1a1a*		N1a1a1a*	Tree	Tree	N1a1a1a*	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
ID100	HA14	51.9 11.7	F	0.21 N1a1a1a*		N1a1a1a*	Tree	Tree	N1a1a1a*	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			A16129G C16147A T16172C T16187C C16189T G16...											
OB 4638		48.5 7.48		0.21 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
OB 4730		48.5 7.48	F	0.21 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
MOR77		46.2 18.6		0.2 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			16147A 16172c 16223t 16248t 16320t 16355t											
MOR75		46.2 18.6		0.2 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			16086c 16147a 16172c 16223t 16248t 16320t 16355t											
AR7012	HI531	38.4 38.4	F	0.16 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			73G 152C 199t 199t 199C 204C 573.1C 1614T0 1614T											
AM16	MN605039.1	42.4 25.6		0.12 N1a1a1a*		N1a1a1a*	Tree	Tree	N1a1a1a*	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			73G 152C 263G 669C 750G 1438G ! C16320T											
QUN59		43.3 1.96		0.11 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			Haplofind and Phy-Mer, Phylotree build17											
SK20		37.8 41.4	M	0.07 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
Pg1		55.7 76.8	F	0.06 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
LRV 97	F126	40.8 16.3		0.05 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
LRV 138	F254	40.8 16.3		0.05 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
HARG8.BB		46.7 19	U	0.03 N1a1a1a		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			16147A 16172C 16189C 16189C 16223T 16248T 16320T 16355T											
Ber2	Ber2	58.4 15.6	F	443 0.14 N1a1a1a-Mielatalia		N1a1a1a-Mielatalia	Tree	Tree	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia			Haplofind; PhyloTree mtDNA Build 17, 18 (Feb 2016)											
RISE391	Ikurgan 7 burial 36	50.6 58.8	F	0.12 N1a1a1a-Mielatalia		N1a1a1a-Mielatalia	Tree	Tree	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
ZG1K_M34K		38.3 85.3		378.131 0.34 C79		N1a1a1a	Tree	Tree	N1a1a1a	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia				YFull										
UYG2746	MG182478	46.8 17.8		0.04 N1a1a1a-Mielatalia		N1a1a1a-Mielatalia	Tree	Tree	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia	N1a1a1a-Mielatalia														
Karos2/31		48.3 21.7	U	0.03 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Sudbeddigkirs-Pallige/37/anc4		46.6 21.1	M	0.03 N1a1a1a1*		N1a1a1a1*	Tree	Tree	N1a1a1a1*	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia				A2702G! + C8191dT										
BAU001	AT-409	49.3 106	F	0.02 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
SVK852	SVK852	51.7 94.5		0.04 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Pr7	Pr7	52.1 53.9		0.64 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia			Haplogrep/Phylotree build14											
SRV001	Baranovye #240/455	53.1 70.7	F	102.281 0.58 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Kemerlo-Fasekasuy1/10939		48.2 21.5	M	0.3 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Kemerlo-Fasekasuy2/10941		48.2 21.5	F	0.3 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Karos2/9		48.3 21.7	M	0.29 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Karos2/60		48.3 21.7	M	0.29 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Uyelgi113	UELGI No.3.	55.8 61.6	F	0.27 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Uyelgi12	UELGI No.2.	55.8 61.6	M	0.27 N1a1a1a1		N1a1a1a1	Tree	Tree	N1a1a1a1	N1a1a1a1-Mielatalia	N1a1a1a1-Mielatalia														
Orashaxa-Gorbiccamps/2/anc3		46.6 20.7	F	0.26 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia														
HMS2per36		46.5 19.1		0.27 N1a1a1a1a		N1a1a1a1a	Tree	Tree	N1a1a1a1a	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia														
HMS2per35		46.5 19.1		0.27 N1a1a1a1a		N1a1a1a1a	Tree	Tree	N1a1a1a1a	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia														
MPper5		47 21.6		0.26 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia														
MPper4		47 21.6		0.26 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia			73G 152C 1 346C 353A 1614T0											
PUZper115		47.3 21.1		0.27 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia			73G 152C 1 152C!T 161 439G 466!T0											
MPper23		47 21.6		0.26 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia			73G 152C 1 152C!T 161474											
MPper7		47 21.6		0.26 N1a1a1a1a*		N1a1a1a1a*	Tree	Tree	N1a1a1a1a*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia			73G 152C 1 152C!T 161 1614T0 261 750 1438 1719											
MPper1		47 21.6		0.01 N1a1a1a1*		N1a1a1a1*	Tree	Tree	N1a1a1a1*	N1a1a1a1a-Mielatalia	N1a1a1a1a-Mielatalia			73G 152C 1 228A 477!T 476A 1614T0 152C 1 9!T											
ASP2		48.6 16.5	M	0.09 N1a2		N1a2	Tree	Tree	N1a2	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia														
XN183	gr. 45/255	48.8 9.18	F	0.32 N1a2a		N1a2a	Tree	Tree	N1a2a	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia														
PCP10	SU1381 U724	45.3 18.7	F	213.243 0.2 N1a2a		N1a2a	Tree	Tree	N1a2a	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia														
ID273	PB16	46.7 16.1	F	421 0.78 N1a2a		N1a2a	Tree	Tree	N1a2a	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia	N1a2a-T152C!+N1a2a!+N1a2a-Mielatalia														
UZ076	VUZ076.B0101.TF1.1	50.4 14.4	F	N1a1a1a2		N1a1a1a2	Tree	Tree	N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2														
TM002		57.1 40.94		0.58 N1a1a1a2		N1a1a1a2	Tree	Tree	N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2														
PRU005	PRU005.B0101.TF1.1	50.1 14.3	F	N1a1a1a2		N1a1a1a2	Tree	Tree	N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2														
PMU003	PMU003.B0101.TF1.1	50.2 14.5	F	N1a1a1a2		N1a1a1a2	Tree	Tree	N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2														
RISE23	Barrow 4 central grave	55.6 12.2	M	0.42 N1a1a1a2		N1a1a1a2	Tree	Tree	N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2	N1a1a1a2-T152C!+N1a1a1a2														
Klen5	Klein/haderal.	48.7 16.6	M	0.90 N1a1a1a3		N1a1a1a3	Tree	Tree	N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3														
ID176	SZH94	46.4 18.7	F	28.1 0.9 N1a1a1a3		N1a1a1a3	Tree	Tree	N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3			16147A 16154c 16172c 16223t 16248t 16320t 16355t											
ID102	SD401	51.9 11.1		0.89 N1a1a1a3		N1a1a1a3	Tree	Tree	N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3														
SZH93		46 18.3		0.88 N1a1a1a3		N1a1a1a3	Tree	Tree	N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3			16092c 16129a 16147a 16154c 16172c 16223t 16248t 16320t 16355t											
PCP19	SU1635 U763	45.3 18.7	F	181.958 0.3 N1a1a1a3		N1a1a1a3	Tree	Tree	N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3	N1a1a1a3-T152C!+N1a1a1a3														
KJ6	KY09189S.1	52.7 18.3	F	0.79 N1a1a1a3b*		N1a1a1a3b*	Tree	Tree	N1a1a1a3b*	N1a1a1a3-T152C!+N1a1a1a3-Mielatalia	N1a1a1a3-T152C!+N1a1a1a3-Mielatalia				T16156C	YFull									
ISD503	PB1787	44.7 16.1	F	193 0.66 N1a1a1a3-T152?+185D!+N1a1a1a3-Mielatalia		N1a1a1a3-Mielatalia	Tree	Tree	N1a1a1a3-Mielatalia	N1a1a1a3-T152C!+N1a1a1a3-Mielatalia	N1a1a1a3-T152C!+N1a1a1a3-Mielatalia														
JK2978	1595	29.9 31.2		0.28 N1a1a2		N1a1a2	Tree	Tree	N1a1a2	N1a1a2-T152C!+N1a1a2	N1a1a2-T152C!+N1a1a2														
KA2	Karcyon PET 10/2484	52.7 36.5	F	0.18 N1a1a2

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon	Sex	mtDNA-c.ccmFAST	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no-5.SNVs-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious: NRY	Y-FAST-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FT-YFull	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree
BM24	MH50237.1	42.4	25.6		0.74	U2	U2*			I2	I	736! 146C 152C 199C 204C 250C 261A	A15758G	YFull										
JK2980		1602	29.9	31.2		U2*	U2*			I	I													
M16a	MW508522	45.8	25.6	94.0	0.14	U2	U2b			I2	I	161!294 162! 192! 199! 204!T2!T	HaploGrep2 based on PhyloTree17 (accessed 22.06.2020)											
LM10Joint	32091, MK093968.1	51.5	40.8		0.13	U2	U2*			I2	I		A15758G	YFull										
pop613		50.9	21.4	332	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, C3106A, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
pop606		50.9	21.4	281	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, C3106A, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
pop608		50.9	21.4	44	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, C3106A, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
pop617		50.9	21.4	232	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, C3106A, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
pop618		50.9	21.4	34	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
pop616		50.9	21.4	13	U2	U2	U2			I2	I	A73G, T152C, T199C, T204C, G207A, T250C, A261G, A750G, A1438G, G1719A, A2706G, A4529T, A4769G, C7028T, G8251A, A8860G, T10034C, T10238C, A10398G, G11719A, G12501A, C12705T, A13780G, C14766T, G15043A,A15326G, A15758G, A15924G, G16129A, C16233T, G16393A,T16519C						
Plinkaglis6241	Plinkaglis6241	50.7	21.4		0.52	U2	U2			I2	I													
VT5214		43.1	1.2		0.84	U2	U2			I2	I		Haplofind and Phy-Mer, Phylotree build17											
ALA035	32.54, Locus 85, AT ID	36.2	36.4	F	0.78	U2	U2			I2	I	73G 152C ! 203N 204N 206C 207A 250C 573.XC												
I37		46.1	18.9	F	0.62	U2	U2			I2	I													
DA405		25.7	32.6		0.52	U2	U2			I2	I	73G, 152C, 199C, 204C, 207A, 250C, 263G, 750G, 1438G, 1719A, 2706G, 4529T, 4769G, 7028T, 8251A, 8860G, 10034C, 10238C, 10398G, 11719A, 12501C*, 12705T, 13780G, 14766T, 15043A, 15326G, 15758G, 15924G, 16129A, 16233T, 16393A, 16519C*						
U127	Greenland late-Dorsi	54.3	40.1	F	39.4	U2	U2			I2	I	73G 152C 250C 263G 750G 1438G 1719A 2706G Haplogrep, KlossBrandstätterMum Mutat2011												
G166	KH150169	54.8	11.5		0.16	U2	U2			I2	I													
Ion4		45.1	7.93		0.33	U2a	U2a			I2	I	145A 223T225C 363C												
I2861	GENSC07157	57.7	-3.39 F	975	0.84	U2a1	U2a1*			I2	I		Y!ull											
VK99	Leuland_S04	65.6	-17.2 F	54.2	0.25	U2a1	U2a1			I2	I	73G 152C 199C 250C 263G 533G 750G 1438G 1719A	Haplogrep, KlossBrandstätterMum Mutat2011											
LP1613mt	PN, MN09350.1	55.4	8.41		0.34	U2a2	U2a2			I2	I		G5206A	YFull										
LM11mt	2907, MN09368.1	51.5	-0.08	M	0.21	U2e	U2e1			I2	I		G9430A + T4774A											
LP228mt	G166, MN09539.1	54.8	11.5		0.13	U2	U2e			I2	I		A15758G	YFull										
CAR-H8	KX354073.1	39.2	8.55		0.51	U3	U3			I3	I	73G 152C 239C 250C 263G 750G 1438G 1719A												
RD15	RD15	47.2	39.7		0.53	U3	U3			I3	I													
RD14	RD14	47.2	39.7		0.53	U3	U3			I3	I													
VK391	Norway_Telemark 16	59.2	9.59 F	86.5	0.32	U3	U3			I3	I	73G 152C 239C 250C 263G 750G 1438G 1719A 2706G Haplogrep, KlossBrandstätterMum Mutat2011												
LH226	MG182469	46.8	17.8		0.31	U3	U3			I3	I													
LH5214	MG182465	46.8	17.8		0.31	U3	U3			I3	I													
LH226	MG182497	46.8	17.8		0.31	U3	U3			I3	I													
VK460	Gotland_Fropil-04898	57.3	18.2 F	36.2	0.22	U3	U3			I3	I	73G 152C 239C 250C 263G 750G 1438G 1719A 2706G Haplogrep, KlossBrandstätterMum Mutat2011												
I3129	GENBL Gravel 537	43.6	19.7	1	0.21	U3a	U3a			I3	I	HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2018)												
I3602	Grave 16	48.9	12.5 F	334	0.16	U3a	U3a			I3	I	HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2018)												
I8157	ESP29	51.4	11.7 F		0.31	U3a	U3a			I3	I													
EZV-18		51.8	10.9		0.3	U3a	U3a			I3	I	T16086C T16187C C16189T G16230A T16278C C16311T G16391A												
I9288	RWPR-1288	41.9	12.5 F		0.45	U3a1	U3a1			I3	I													
arm40	Nenjin Nayer -132; by 40.3	44.3			0.46	I4	I4			I4	I		G8515A	YFull										
arm48	Nenjin Nayer -131; by 40.1	44.3			0.46	I4	I4			I4	I		G8515A	YFull										
pop257	MH176346.1	49.5	17.1 F		0.4	I4a	I4a			I4	I	A73G, T199C, T204C, T250C, A263G, A1081G	Y!ull											
VL020	VL020.A2101.TF1.1	50.4	14.4 F		0.19	I4a	I4a			I4	I													
I5608	U2.mb-022, Jarkutan,	57.8	67 F	553	0.94	I4a	I4a			I4	I													
DNE3722	DNE3722	48.5	7.48 F	28	0.94	I4a	I4a			I4	I													
med020	M19	58.1	13.6 F	3.42E6	0.94	I4a	I4a (8.8655)			I4a	I													
I3b3002	Kayrobukh II mound 4	48.2	58.9 F	161.39k	0.64	I4a	I4a			I4a	I													
ZGLK_M46Y		38.3	85.3	240.02k	0.52	I4a	I4a*			I4a	I		Y!ull											
SOU01	AT-274	47.7	102 F		0.54	I4a	I4a			I4a	I													
GI314	KH150944	55.4	10.4		0.15	I4a	I4a			I4a	I													
VK58	Gotland_Fropil-03804	57.3	18.2 F	192.1	0.61	I4a1	I4a1			I4a1	I													
GI35	KH150032	55.4	10.4 F		0.34	I4a2	I4a2			I4a2	I													
LP147mt	G341, MN09497.1	55.3	8.76		0.19	I4a4	I4a4			I4a4	I		A57dC	YFull										
LP372mt	ss175.A175, MN09355.	55.8	9.93		0.19	I4a	I4a*			I4a*	I		A57dC	YFull										
NTHpop19		47.5	19.3		1.28	I4a	I4a*			I4a*	I	73G 199C 16223C 9935 249d 223G 230G 739G	Y!ull											
BI1014	SK 583	41.6	35.9 F		0.96	I5	I5			I5	I	73G 750G ! 1E3N 183N 199C 204C 250C 263G 573.XC 16129A 16391A												
BI128	139 U2 Tholos	35.1	24.8 F		0.7	I5	I5			I5	I													
Minoan917		35.1	25.8		0.66	I5	I5			I5	I	16129G!, 16148T!, 1E18G!!,16223T!												
Minoan912		35.1	25.8		0.66	I5	I5			I5	I	16129G!, 16148T!, 1E18G!!,16223T!												
Minoan913		35.1	25.8		0.66	I5	I5			I5	I	16129G!, 16148T!, 16223T!												
I8371	S6571:E1.L1	32.1	35.8 F	142	0.6	I5	I5			I5	I													
AR7029	C7-D7 (hi378)	38.4	38.4 F		0.54	I5a	I5a			I5a	I	73G 263G ! 190N 197N 199C 204C 250C 573.XC												
VK457	Gotland_Fropil-03299	57.3	18.2 F	20.8	0.25	I5a	I5a			I5a	I	73G 199C 204C 250C 263G 750G 1438G 1719A 2706G Haplogrep, KlossBrandstätterMum Mutat2011												
Sarmatiduvan-Hisofist0	Sarv120	47.2	21.2 M			I5a1a	I5a1a*			I5a1a	I		G8860A	YFull										
I7214	I7214	40.8	16.3			I5a2	I5a2			I5a2	I													
I8Dper107		48.1	21.7			I5a2b1b6b	I5a2b1b6b			I5a2b	I													
JK2958		1652	29.9	31.2		0.31	I*			I*	I													
I5[4]	R24	30.3	79.7		0.02	N1a1b1	N1a1b1			N1	N	1888, 15043, 9794, 7859, 12J15, 8701, 16172, 131..												
I1787	Gonur tomb 1315 sam	38.2	62 F		0.18	N1a2	N1a2			N1	N													
I6122	Gonur 2000 tomb 16F	38.2	62 M	61.5	0.18	N1a2	N1a2			N1	N	A	n/a	n/a	n/a	524								
I3328	Grave 70, individual 1	34.8	72.4 F	121.5	0.12	N1a2	N1a2			N1	N													
CSB-9		44.5	28.1		0.03	N1a3a	N1a3a			N1	N													
ZGLK_M145		38.3	85.3	298.42	0.05	N1a3a	N1a3a1*			N1	N		Y!ull											
SA 2005 AK 15a		37.7	30.5		0.02	N1b	N1b			N1b	N	16145-16173-152-263												
SA 2005 AK 38a		37.7	30.5		0.02	N1b	N1b			N1b	N	16145-16173-152-263												
SA-08-AKZ-30-35		37.7	30.5		0.02	N1b	N1b			N1b	N	16145-16173-152-263												
SA1995 AG260		37.7	30.5		0.02	N1b	N1b			N1b	N	16225-16273-138-194-195-204-207-263												
SA1998 LA97		37.7	30.5		0.02	N1b	N1b			N1b	N													
SA1998 LA113		37.7	30.5		0.02	N1b	N1b			N1b	N	16145-16173-152-263												
Friegas54		37.4	-4.2		0.02	N1b	N1b			N1b	N	16111, 16126, 16145, 16176G, 16223												
C15	773	52.9	14.2		0.02	N1b	N1b			N1b	N	16145A, 16176G, 16223C, 16223T, 16390A												
I5[4]	R14	30.3	79.7		0	N1b	N1b			N1b	N	9540, 8701, 1598												
Mummy98 Vik (7/31)		47.8	19.1		0	N1b	N1b			N1b	N	6145A, C176G, C233T												
I1177	CHPKL109M-D13	33	35.3 F	6.95	0.12	N1b1	N1b1			N1b1	N													
Elwyn		44.9	37.5		0.11	N1b1	N1b1			N1b1	N													
Ivon31.928		45.8	17.6 M		0.02	N1b1a	N1b1a			N1b1a	N	16145A 16176G 16223T 16311C												
BA0851	BA0851	30.4	35.5 F		0.18	N1b1a	N1b1a			N1b1a	N		Haplofind and Haplogrep											
CGG1_T34E1W		46.5	90.7	103.45k	0.29	C4	N1b1a*			N1b1a*	N		Y!ull											
ALA033	45.44, Locus 65, AT ID	36.2	36.4 F		0.08	N1b1a	N1b1a			N1b1a	N	73G 152C ! 194N 195N 1719A 8472T												
I11025	U2-B07-001, Site 4, Gr	37.7	67 F	5.13k	0.07	N1b1a	N1b1a			N1b1a	N													
I3707	12707.E1.L2	32.1	35.8 F	118	0.07	N1b1a	N1b1a			N1b1a	N													
I10344*	x1028	55.3	8.76		0.07	N1b1a	N1b1a*			N1b1a*	N		A11362G + C7Y!ull											
VK158	Russia_Pskov_7283.SI	57.8	28.3 F	68.8	0.02	N1b1a	N1b1a			N1b1a	N	73G 152C 263G 750G 1438G 1598A 1702T 1719A Haplogrep, KlossBrandstätterMum Mutat2011												
I1W022		49	10.1 F		0.05	N1b1a	N1b1a			N1b1a	N													
pop858	Group 1, Kurgan 3, K9	46.3	29.5 F		0.05	N1b1a	N1b1a12			N1b1a12	N	A73G, T152C, A263G, A750G, A1443A	A11362G + C7Y!ull											
I10092	S10092.E1.L1	32.6	35 F	85.2	0.08	N1b1a2	N1b1a2			N1b1a2	N													
I2Y110	F206	40.8	16.3		0.04	N1b1a2	N1b1a2			N1b1a2	N													
I6329	R5	21.1	30.6 F		0.02	N1b1a2	N1b1a2			N1b1a2	N													
I18521	S218	21.1	30.7 F		0.02	N1b1a2	N1b1a2			N1b1a2	N													
I18517	S2	21.1	30.7 F		0.02	N1b1a2	N1b1a2			N1b1a2	N													
MYapr13		47	21.6		0.02	N1b1a2	N1b1a2			N1b1a2	N													
BM2	MH050530.1	42.4	25.6		0.08	N1b1a2*	N1b1a2*			N1b1a2*	N	73G 152C 199A! 204C 207A 263T 573.XC												
I8Ger206		52.7	17.1 F		0.21	N1b1a5	N1b1a5			N1b1a5	N													
pop659		50.5	20.8 F		0.07	N1b1a5	N1b1a5			N1b1a5	N	A73G, T152C, A263G, T310C, A750G, A1438G, G1598A, C1707T, G1719A, C2639T, A2706G, C3021A, A4769G, C4960T, T4967C, G5647A, C7028T, G8251A, C8472T, A8836G, A8860G, C9357T, T10238C, A11362G, G11719A, G12007A, G12501A, C12705T, A12822G, C14766T, A15326G, G16145A, C16176G, T16209C, C16233T, G16390A, T16519C						
arm33	Nenjin Gatashen; #18	40.2	48.3		0.07	N1b1a5	N1b1a5			N1b1a5	N	A73G, T152C, A263G, T310C, A750G, A1438G, G1598A, C1707T, G1719A, C2639T, A2706G, C3021A, A4769G, C4960T, T4967C, G5647A, C7028T, G8251A, C8472T, A8836G, A8860G, C9357T, T10238C, A11362G, G11719A, G12007A, G12501A, C12705T, A12822G, C14766T, A15326G, G16145A, C16176G, T16209C, C16233T, G16390A, T16519C						
pop660		50.5	20.8 F		0.06	N1b1a5	N1b1a5			N1b1a5	N													
MS10578		38.2	8.48		0.54	N1b1b5	N1b1b5			N1b1b5	N		T4967C	Y!ull										
I3832	S3832.E1.L2,S3832.E1	33	35.6 F		0.07	N1b1b	N1b1b			N1b1b	N													
LRCMU569		48.9	16.6		0.72	N1b1b1b1	N1b1b1b1			N1b1b1b1	N													
I-HS213	MH162464	46.8	17.8		0.69	N1b1b1b1	N1b1b1b1			N1b1b1b1	N													
I5157	I5157_Bryn_yr_Hen_I	53.1	-4.13 F		0.15	I_M5	I_M5			I_M5	I		Phy-Mer											
I6126	Gonur 2005 tomb 34E	38.2	62 F	12.3	0.07	N2	N2			N2	N													
BAK20		48.3	39.6		0.27	N2	N2			N2	N													
BAM03	0727.	46.2	18.7 M		0.25	W	W			W	W	16223t 16292t												
I4L 17		51.9	11		0.24	W	W			W	W	A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
UN52		51.9	11.5		0.23	W	W			W	W	T16093C A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
DER-23		51.9	10.9 M7		0.19	W	W			W	W	16093C 16223T 16292T												
104D-1		48.7	7.57 U		0.18	W	W			W	W	n.d.												
QLB 3		51.8	11.1		0.18	W	W			W	W	2237 2922T												
MA20		46.4	30.3		0.18	W	W			W	W	T16093C A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
I8116	HUNG847, I (12033)	47.8	20.9 F	9.04	0.17	W	W			W	W	HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2018)												
I11468	412, IRD Grave 307, P	30.6	61.4 F		0.16	W	W			W	W	16093C 16223T 16292T												
RENZ 15		51.8	10.9		0.16	W	W			W	W	n.d.												
PO01		47.5	31.7		0.15	W	W			W	W	2237 2922T												
I3620	91.01826363	53.9	13.2		0.15	W	W			W	W	T16093C A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
VU079	VU079.B01ID1.TF1.1	50.4	14.4 F		0.14	W	W			W	W													
I5[4]	R13	51.2	11.8		0.14	W	W			W	W	A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
I2Y125	Gonur tomb 2871 sam	38.2	62 F		0.13	W	W			W	W													
I11040	Gonur tomb 3039, Lib	38.2	62 F	6.65k	0.13	W	W			W	W	T16093C A16129G T16187C C16189T G16230A T16278C C16297T C16311T												
EUL 50		51.2	11.8		0.12	W	W			W	W													
I8944	Steyh195-1, burial 17,	53.9	13.7 F		0.12	W	W			W	W													
I4288	U2.ST-015, Sappali-Tw	37.4	66.8 F	66.9	0.12	W	W			W	W	16093(!), 16223(T), 16243(C),16292(T)												
I13227	Grave 178, individual	34.8	72.4 F	144.9	0.09	W	W			W	W													
55		50.2	81.8		0.09	W	W			W	W	223 292												
JK2169	S3610	29.9	31.2 F		0.07	WB	W*			WB	W		Y!ull											
SC17		31.8	35.2 F		0.06	W	W			W	W	16223T, 16292T												
PCA0001	28; ob; 466	52.6	16.8 M		0.06	W	W			W	W													
K4		188	52.6	16.8	0.06	W	W			W	W	16223T, 16292T												
K5		189	52.6	16.8	0.06	W	W			W	W	16192T, 16223T, 16292T, 16399G												
K3		466	52.6	16.8	0.06	W	W			W	W	16223T, 16292T												
N20		54.6	-1.31		0.05	W	W			W	W	223, 292												
N57		54.6	-1.31		0.05	W	W			W	W	223, 292												
Balu1.4598		46.6	20.1 M		0.03	W	W			W	W	16221A 16223T 16292T												
Fin16		53.2	18.2		0.03	W	W			W	W	7028T ! 73G 189G 250C 204C 207A 16223T 16292T												
SA1999 LA35		37.7	30.5		0.03	W	W			W	W	16192-16223-189-195-204-207-263												
VK191	Greenland late-1000_	60.6	-45.3 F	11.3	0.02	W	W			W	W	73G 263G 709A 750G 1243C 14380 2706G 3505G Haplogrep, KlossBrandstätterMum Mutat2011												
CIL5		155.4	52.5	17.4	0.02	W	W			W	W	16223T												
G272	KH150711 PB	55.8	57.2 F		0.02	W	W			W	W	7028T												
pop465		50.3	20.4	265		W1	W1			W1	W	C117, A73G, T152C, A189G, T195C, T204C, G207A, A263G, T310C, C709A, A750G, T1243C, A1438G, A2706G, C3106A, A3505G, G4580A, A4769G, G5046A, G5460A, C7028T, C7864T, G8251A, A8860G, G8994A, C11674T, G11719A, A11947G, T12414C, C12705T, C14766T, A15326G, G15884C, G16129A, C16233T, C16292T, T16311C, T16519C						
NeoMinc 10		41.6	2.32		0.19	W1a	W1a			W1a	W													
pop471		50.3	20.4	15		W1	W1			W1	W	A73G, T152C, A189G, T195C, T204C, G207A, A263G, T310C, C709A, A750G, T1243C, A1438G, A2706G, A3505G, G4580A, A4769G, G5046A, G5460A, C7028T, C7864T, G8251A, A8860G, G8994A, C11674T, G11719A, A11947G, T12414C, C12705T, C14766T, A15326G, G15884C, G16129A, C16233T, C16292T, T16311C, T16519C						
pop481		50.3	20.4	14.5		W1	W1			W1	W	A73G, A189G, T195C, T204C, G207A, A263G, G709A, A750G, T1243C, A1438G, A2706G, C3106A, A3505G, A4769G, G5046A, G5460A, C7028T, C7864T, G8251A, A8860G, G8994A, G10653A, C11674T, G11719A, A11947G, T12414C, C12705T, C14766T, A15326G, G15884C, C16233T, C16292T, T16519C						
pop477		50.3	20.4	61		W1	W1			W1	W	A73G, A189G, T195C, T204C, G207A, A263G, G709A, A750G, T1243C, A1438G, A2706G, C3106A, A3505G, A4769G, G5046A, G5460A, C7028T, C7864T, G8251A, A8860G, G8994A, C11674T, G11719A, A11947G, T12414C, C12705T, C14766T, A15326G, G15884C, C16233T, C16292T, T16519C						
SC4		31.8	35.2 M		0.08	W7	W7			W7	W	16292T												
SC7		31.8	35.2 U		0.08	W7	W7			W7	W	16223T, 16292T												
PCA0007	89; ob; 188	52.6	16.8 F		0.08	W1	W1			W1	W													
MS-TC	2V6/135/2	21.6	31.1 M		0.04	W1	W1			W1	W	16037G 16223T 16292T 16295T												
VE14		47.1	17.9		0.48	W1b	W1b			W1b	W	16223t 16292t												
VE101		47.1	17.9		0.45	W1b	W1b			W1b	W	16223t 16292t												
TU471	Luisiard1, MN540477.	61.1	22.1		0.06	W1a1	W1a1			W1a1	W	73G 189G 195C 204C 207A 263G 315.1C 709A 750*HaploTree mtDNA Build 17, 18 (Feb 2016)												
I7782b6c	I7h_128	48.9	12.6 F		0.19	W1a1a	W1a1a			W1a1a	W		U5a1h	Haplofind										
I7568		896	52.3	0.03 F	101	0.3	W1a*			W1a*	W													
VU054	VU054.A2101.TF1.1	50.4	14.4 F			W1c	W1c			W1c	W													
VU064	VU064.A2101.TF1.1	50.4	14.4 F			W1c	W1c			W1c	W													
I8150	S8820	51.9	11			W5	W5.T119C			W5	W		FTDNA group											
Klen7		48.7	16.6 F			W5	W5-119			W5	W		FTDNA group	Qual: 0.8963										
I0024	S0024	48.8	9.18			W5a	W5a.T			W5a	W		FTDNA group											
J82-13-7	Harshevim	49.1	8.22 F			W5a	W5a.T119			W5a	W		FTDNA group	W and N2a Haplogroup: T119C seems common to ancient W1 samples, later back-mutated in some branches.										
Ko006	Ko006, Kolmö6	50	15.2 F			W5b	W5b.T119C			W5b	W	73G 119C ! 207A 310C 4769G 7028T	FTDNA group and N2a Haplogroup: T119C seems common to ancient W1 samples, later back-mutated in some branches.											
I2549	S2549	51.8	10.9			W5b	W5b.T119C			W5b	W		FTDNA group											
I8S0002	I8S0002.AD101, B2h6	43.8	42.7 F			W5b	W5b.T119C			W5b	W		FTDNA group	(rsequ)rsfed										
I8000		35.2	67.2 M	19		W5b	W5b.T119C			W5b	W		FTDNA group	and N2a Haplogroup: T119C seems common to ancient W1 samples, later back-mutated in some branches.										
I7673	T-120-2	42	2.91 F	50.7	0.06	W5c	W5c.T119C			W5c	W		FTDNA group	HaploGrep2										
SALZ 19		51.5	11.9		0.32	W5c	W5c			W5c	W	A16129G T:T119C C146T C152T A189G T204C G207A A247G												
SALZ 20		51.5	11.9		0.32	W5c	W5c			W5c	W	A16129G C146T C152T A189G T204C G207A A247G												
SALZ 35		51.5	11.9		0.32	W5c	W5c			W5c	W	A16129G T:G94A T119C C146T C152T A189G T204C G207A A247G												
pop483		50.6	21.6	116		W5c	W5c			W5c	W	A73G, T152C, A189G, T195C, T204C, G207A, A263G, G709A, A750G, T1243C, A1438G, A2706G, C3106A, A3505G, A4769G, G5046A, G5460A, C7028T, C7864T, G8251A, A8860G, G8994A, C11674T, G11719A, A11947G, T12414C, C12705T, A14548G, C14433T, C14766T, A15326G, G15884C, C16233T, C16292T, T16519C						
NW206		57.5	39.7 M		0.24	W5c	W5c			W5c	W													
KZ0013	KZ0013.B01ID1.TF1.1	50	15.2 F		0.21	W5c	W5c			W5c	W	A73G, T152C, A189G, T195C, T204C, G207A, A263G, G709A, A750G, T1243C, A1438G, A2706G, A3505G, A4769G, G5046A, G5460A, C7028T, C7864T

Object-ID	Colloquial-Skeletal	Lat(lat)	Long(l	Sex	mtDNA-c-rest	FAR	mtDNA-haplogroup	mtDNA-Haplotree	mt-TF-mtree	mt-YF-FTDNA-mt-Haplotree
LM97mt	30536, MH259742.1	51.5	-0.08	F		0.06	W4a	W4a*	W4a*	W4a
Hetlar_M16B		37	79.9		671-709	0.03	W4a*	W4a*	W4a*	W4a
I7189	I7189	50.1	14.2	F			W5	W5	W5	W5
pae737		51.2	23.3	F	54		W5	W5	W5	W5
I5834	RISE927	48.8	12.8	F	270, 0.31	0.35	W5	W5	W5	W5
MS10581		39.2	8.48	F		0.18	W5	W5	W5	W5
HGH-1508		53.9	10.7	F		0.05	W5	W5	W5	W5
I26124.4648		46.3	20.1	M		0.09	W5a	W5a	W5a	W5a
I3117	RISE0885	55.4	10.4	F		0.05	W5a1	W5a1	W5a1	W5a1
LM51mt	21588, MH259711.1	51.5	-0.08	M		0.07	W5a1a1	W5a1a1*	W5a1a1*	W5a1a1
I6890D2.2	I6890D2-2	43.2	2.41	F	83	0.49	W5b	W5b	W5b	W5b
I6890D2.5		43.2	2.41			0.49	W5b	W5b	W5b	W5b
CAH330	Carrowkeel330	54.1	-8.38	F		0.39	W5b	W5b	W5b	W5b
pae280	MH176348.1	50.4	20.5			0.38	W5b	W5b*	W5b*	W5b*
PN01	Poulnabrone01	53	-0.14	F		0.32	W5b	W5b	W5b	W5b
CLR13		43.7	4.24			0.19	W5b	W5b	W5b	W5b
Sthper106		47.2	21.2			0.07	W5	W5*	W5*	W5a1
VOR004		57.5	39.6	F		0.35	W6	W6	W6	W6
TIM009		57.1	40	M		0.34	W6	W6	W6	W6
TIM006		57.1	40	F		0.34	W6	W6	W6	W6
I1790	Gonur 2013 Area12 p	38.2	62 F			0.3	W6	W6	W6	W6
I5605	LU-837-010, Site 7, Gr	37.7	67 F		55, 2	0.29	W6	W6	W6	W6
AMH-CO_4		39.2	21			0.16	W6	W6	W6	W6
I8214	Grave 1, Individual 1,	34.8	72.3 F			0.14	W6	W6	W6	W6
LHS212	MH182463	46.8	17.8			0.1	W6	W6	W6	W6
CP94		46.5	17.5	F			W6	W6	W6	W6
TU675	Hitolsta10,MN540510.	61.2	29.7			0.06	W6	W6	W6	W6
GJ57	KH150167	54.8	11.5			0.05	W6	W6	W6	W6
TU569	Hitolsta8, MN540505.1	61.2	29.7			0.04	W6	W6	W6	W6
TU566	Hitolsta6, MN540507.1	61.2	29.7			0.04	W6	W6	W6	W6
Pinkaigalds242	PinkaigaIds242	55.4	23.6 F			0.72	W6a	W6a	W6a	W6a
I0103	I5P10	51.4	11.7 F			0.66	W6a	W6a	W6a	W6a
pae543		50.2	20.6 M			0.57	W6a	W6a	W6a	W6a
pae537		51.2	21.5 U			0.57	W6a	W6a	W6a	W6a
I12204	PYT06-1207	42	2.81 F		317, 2	0.2	W6a	W6a	W6a	W6a
I5425	Individual 36	37	-3.55 F		51, 1	0.06	W6a	W6a	W6a	W6a
I0428	50428_E1_L1	53.4	50.4			0.42	W6c	W6c	W6c	W6c
I2157	I1VP1	55.1	52.4 F			0.42	W6c	W6c	W6c	W6c
JK2127		1533	29.9	31.2 F		0.19	W6*	W6	W6*	W6
pae279	MH176344.1	52.4	20.5			0.19	W6*	W6*	W6*	W6*
I3523		18523	19.5	98.2 F		0.04	N8	N8	N8	N8
Szakma 8 (3/6)			46.3	20.1		0.12	N9a	N9a	N9a	N9a
Szarvas 23/20 (10/40)			46.9	20.6		0.12	N9a	N9a	N9a	N9a
Csongrád 20 (2/4)			46.7	20.1		0.12	N9a	N9a	N9a	N9a
MG13	M10B4B2		35.8	104 U		0.07	N9a	N9a	N9a	N9a
MG7	M10B5E1		35.8	104 M		0.07	N9a	N9a	N9a	N9a
MZ1466			35.5	111 U		0.05	N9a	N9a	N9a	N9a
MAN008	2004 Mogila 71		47.8	109 F		0.03	N9a	N9a	N9a	N9a
X729			36.7	102 M		0.03	N9a	N9a	N9a	N9a
X726			36.7	102 M		0.03	N9a	N9a	N9a	N9a
X717			36.7	102 M		0.03	N9a	N9a	N9a	N9a
X712			36.7	102 F		0.03	N9a	N9a	N9a	N9a
S36	Tachtyk 4		54.3	90.9 F		0.03	N9a	N9a	N9a	N9a
Mummy179 (1/2)			47.8	19.1		0	N9a	N9a	N9a	N9a
HuaiyuanML06			25.1	108 M	468		N9a10+16b10	N9a10	N9a10	N9a10
LJD-M49	M49		36.7	117	420, 2	0.04	N9a10	N9a10+16b10+16b10-T16311C!	N9a10	N9a10
CZY-M44	M44		36.7	117	394, 11	0.07	N9a10	N9a10	N9a10	N9a10
LJD-M32			24	122		0.11	N9a1	N9a1	N9a1	N9a1
DCZ-M19C05			36.5	102 M	38, 587	0.06	N9a1	N9a1	N9a1	N9a1
DSM-1067	DSM-1067		22.7	109		0.05	N9a1	N9a1	N9a1	N9a1
Xiongsu	M1		37.9	118 F	491, 9	0.13	N9a2'4'5'11	N9a2'4'5'11	N9a2'4'5'11	N9a2'4'5'11
LJD-M47	M47		36.7	117	145, 45	0.34	N9a11	N9a11	N9a11	N9a11
Hga002			13.3	130			N9a2a	N9a2a	N9a2a	N9a2a
YJC-M214	M214		35.7	117	402, 94	0.07	N9a4b	N9a4b	N9a4b	N9a4b
LJ727	17727, TH-20517		20.2	103 F		0.04	N9a6	N9a6	N9a6	N9a6
Mn525		19525	3.24	102 M		0.04	N9a6a	N9a6a	N9a6a	N9a6a
YJC-F205	F205		35.7	117	431, 73	0.53	N9a8	N9a8	N9a8	N9a8
I343	St.Pet. 64		54.7	90.9 F		0.36	N9a9	N9a9	N9a9	N9a9
CHN035	AT-115		50	92.1 F		0.28	N9a9	N9a9	N9a9	N9a9
LJ229	C2020, Lierbaw0		36.2	103		0.05	N9a9	N9a9	N9a9	N9a9
Cap-M9	M9107776.1		44.5	28.1		0.18	N9a9	N9a9*	N9a9*	N9a9
Cap-M11	MF907775.1		44.5	28.1		0.15	N9a9	N9a9*	N9a9*	N9a9
NLKTB87_M9			43.6	82.6	132, 325	0.34	N9a9	N9a9*	N9a9*	N9a9
SZOQoor566			46.6	20.2		0.13	N9a9	N9a9b	N9a9b	N9a9b
I12884	1051 Burial 4		35.6	140 F	277, 3	0.07	N9b	N9b	N9b	N9b
Hgyokmichinoue Tm-42	ZDM2732		38.1	140		0.06	N9b	N9b	N9b	N9b
Sangang1334664	Sangang_1334664_8		37.8	141 F		0.05	N9b	N9b	N9b	N9b
I12882	1049 Burial 1		35.6	140 F	142, 8	0.05	N9b	N9b	N9b	N9b
I12885	1061 Burial 57		35.6	140 F	26, 55	0.05	N9b	N9b	N9b	N9b
KushiroNMidongaokaB			45	144		0.04	N9b*	N9b	N9b*	N9b
UsuAhoshiFr-4	C-No. 4		42.3	141		0.04	N9b*	N9b	N9b*	N9b
UsuAhoshiFr-H5-12	Fr-H5-No. 12		42.3	141		0.04	N9b*	N9b	N9b*	N9b
MYR-5			44	144		N9b	N9b	N9b	N9b	N9b
HMN-4			43.1	145		N9b	N9b	N9b	N9b	N9b
HMN-8			43.1	145		N9b	N9b	N9b	N9b	N9b
HMN-9			43.1	145		N9b	N9b	N9b	N9b	N9b
Irw7			42.5	141		0.07	N9b	N9b	N9b	N9b
IrwPenn48			42.5	141		0.07	N9b	N9b	N9b	N9b
IrwBaudconstruction			42.5	142		0.07	N9b	N9b	N9b	N9b
Ohnuma	Ohnuma		45.4	141	M	0.07	N9b	N9b	N9b	N9b
Funadomari6	No. 6		45.4	141	F	0.07	N9b	N9b	N9b	N9b
Funadomari7	No. 7		45.4	141	M	0.07	N9b	N9b	N9b	N9b
Funadomari13	No. 13		45.4	141	F	0.07	N9b	N9b	N9b	N9b
Funadomari15	No. 15		45.4	141	F	0.07	N9b	N9b	N9b	N9b
Funadomari18	No. 18		45.4	141	M	0.07	N9b	N9b	N9b	N9b
Funadomari19	No. 19		45.4	141	F	0.07	N9b	N9b	N9b	N9b
Funadomari23			45.4	141	F	0.06	N9b	N9b	N9b	N9b
Rebunge No.1			46.8	17.8		0.01	N9b	N9b	N9b	N9b
I6002	TKA-16884, Jomon		34.7	137 F		0.05	N9b	N9b	N9b	N9b
Takasago3			43.1	142		0.04	N9b	N9b	N9b	N9b
Takasago14			43.1	142		0.04	N9b	N9b	N9b	N9b
Takasago21			43.1	142		0.04	N9b	N9b	N9b	N9b
Sakanio1			34.6	135		0.04	N9b	N9b	N9b	N9b
UsuAhoshiB	A-No. B (child)		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiB-3A	B-No. 3A		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiB-3B	B-No. 3B		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiD-7#	D-No. 7#		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiD-H5	D-H5 first		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshi16B	K-No. 16B		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiN-G5-10N6			42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiN-G5-1	N-G5-1)		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiN-G5-10N-G5	(10N)		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiN-G5-18N-G5	(18D)		42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
UsuAhoshiN-G5			42.3	141		0.04	N9b1	N9b1	N9b1	N9b1
KushiroTanneru3-1			43	144		0.03	N9b1	N9b1	N9b1	N9b1
Chetusi2			41.3	140		0.03	N9b1	N9b1	N9b1	N9b1
Ebetsubosoyama2			43.1	142		0.03	N9b1	N9b1	N9b1	N9b1
Kazakari B10A			35.5	140		0.11	N9b2	N9b2	N9b2	N9b2
Satohama bangai2			38.3	141			N9b2a	N9b2a	N9b2a	N9b2a
Iyai4			36.6	139			N9b3	N9b3	N9b3	N9b3
Tachibana K-2			36.1	139		0.9	N9b3	N9b3	N9b3	N9b3
Tachibana K-4			36.1	139		0.9	N9b3	N9b3	N9b3	N9b3
Terashita TH-41 (B4)			39.1	141		0.9	N9b4	N9b4	N9b4	N9b4
Sueiaki			39.1	141		0.9	N9b4	N9b4	N9b4	N9b4
Kusakari B202B			35.5	140		0.9	N9b4	N9b4	N9b4	N9b4
Nonomiao No.2012-4			39	142		0.06	N9b5	N9b	N9b5-N9b5b1	N9b
Nishigohara No.6			35.7	140		0.06	N9b5	N9b	N9b5-N9b5b1	N9b
Takasago13			43.1	142		0.04	N9b5	N9b	N9b5-N9b5b1	N9b
Kawabara No.6			33	131		0.06	N9b6	N9	N9b6-N9b8	N9
Kusakari B202A			35.5	140		0.06	N9b6*	N9	N9b6-N9b8	N9
Meotoiwa ULM3			34.5	137		0.06	N9b7	N9	N9b7-N9b8	N9
Asahina No.1			35.8	139		0.06	N9b8	N9	N9b8-N9b8b	N9
Nishigohara No.9			35.7	140		0.06	N9b8	N9	N9b8-N9b8b	N9
HMN-6			43.1	145			N9b9	Y	N9b9	Y
SSY-1			46.7	143			Y	Y	N9b9!	Y
MR1			45.7	124	F	0.18	Y1	Y1	N9b9!+Y1	Y1
A_7	A_7		52.1	93.6		0.08	Y1	Y1	N9b9!+Y1	Y1
BIR013	Birik mound 29		51.1	75.7 F	261, 799	0.29	Y1a1	Y1a1*	N9b9!+Y1a+Y1a+Y1a1	Y1a1
MYR-1			44	144			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
MYR-2			44	144			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
MYR-3			44	144			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
UTR-4			34.9	136			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
OMS-3			45.4	142			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
OMS-4			45.4	142			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
OMS-10			45.4	142			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-1			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-5			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-10			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-13			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-14			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
HMN-16			43.1	145			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
TMI-1			45.4	142			Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
Karos1/7			48.3	21.7 M		0.11	Y1a1	Y1a1	N9b9!+Y1a+Y1a+Y1a1	Y1a1
I13721	GG-107-M1-03		22.7	121 F	144, 11	0.07	Y2a1	Y2a1	N9b9!+Y2+Y2a+Y2a1	Y2a1
I13722	GG-107-M2-01		22.7	121 M			Y2a1	Y2a1	N9b9!+Y2+Y2a+Y2a1	Y2a1
CCT-2289			42.9	25.4 F		0.36	R	R	N9b9!+Y2+Y2a+Y2a1	R
Furnane2	Furnane 2		45.6	10.9		0.74	R*	R	N9b9!+Y2+Y2a+Y2a1	R
TaPcY			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcVO			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcK-6			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcS			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcN			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcVa			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcVn			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPJ			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcJ1			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
TaPcD0			34.8	-2.41		0.41	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
AF2			36.8	5.06		0.23	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
AF13			36.8	5.06		0.23	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
AFXIV			36.8	5.06		0.23	H or U	H or U	N9b9!+Y2+Y2a+Y2a1	H or U
AF22B			36.8	5.06		0.23	JT or H14b1	JT or H14b1	N9b9!+Y2+Y2a+Y2a1	JT
K-13			39.2	-9.3		0.31	K7	K7	N9b9!+Y2+Y2a+Y2a1	K7
	30900 MK308707		37.7	32.8 M?			U	A*	N9b9!+Y2+Y2a+Y2a1	R*
I1206	Popovka, Cemetery 1		42.8	131 F	245	0.13	R	R	N9b9!+Y2+Y2a+Y2a1	R
BLA11	04/030,KF5234041.		51.4	7.55		0.11	U5b2b2f2	R	N9b9!+Y2+Y2a+Y2a1	R
Ioemanetis12			39.2	-8.05 F?		0.1	H1/R8a1a3	H1/R8a1a3	N9b9!+Y2+Y2a+Y2a1	H1
CM2032			39.1	-9.24		0.1	U5/HV2	U5/HV2	N9b9!+Y2+Y2a+Y2a1	U5/HV2
DEA 50			39.9	-6.44		0.1	H or U4	H or U4	N9b9!+Y2+Y2a+Y2a1	H or U4
MG 168.23*			37.2	-8.59		0.08	H, HV* or R0	H,HV* or R0	N9b9!+Y2+Y2a+Y2a1	H,HV* or R0
PM 174B0			39.2	-9.29		0.08	H, HV* or R0	H,HV* or R0	N9b9!+Y2+Y2a+Y2a1	H,HV* or R0
AF2	AaF		49.9	87.9 F		0.08	R	R	N9b9!+Y2+Y2a+Y2a1	R
pop212	MH176334.1		46.4	28.4		0.08	R	R	N9b9!+Y2+Y2a+Y2a1	R
I11488	432, IPV Grave 109		30.6	61.4 F		0.08	R	R	N9b9!+Y2+Y2a+Y2a1	R
Mar10			34.5	40.9		0.08	R	R	N9b9!+Y2+Y2a+Y2a1	R
AB23C			41	-1.65		0.08	R or H7	R or H7	N9b9!+Y2+Y2a+Y2a1	R or H7
TM-6			41	0.93		0.08	H or R	H or R	N9b9!+Y2+Y2a+Y2a1	H or R
TM-8			41	0.93		0.08	R or H7	R or H7	N9b9!+Y2+Y2a+Y2a1	R or H7
LJD-M47	M47		36.7	117	145, 45	0.34	N9a11	N9a11	N9b9!+Y2+Y2a+Y2a1+N9a2+N9a2a	N9a11
Hga002			13.3	130			N9a2a	N9a2a	N9b9!+Y2+Y2a+Y2a1+N9a2+N9a2a	N9a2a
YJC-M214	M214		35.7	117	402, 94	0.07	N9a4b	N9a4b	N9b9!+Y2+Y2a+Y2a1+N9a4+N9a4b	N9a4b
LJ727	17727, TH-20517		20.2	103 F		0.04	N9a6	N9a6	N9b9!+Y2+Y2a+Y2a1+N9a6	N9a6
Mn525		19525	3.24	102 M		0.04	N9a6a	N9a6a	N9b9!+Y2+Y2a+Y2a1+N9a6	N9a6a
YJC-F205	F205		35.7	117	431, 73	0.53	N9a8	N9a8	N9b9!+Y2+Y2a+Y2a1+N9a8	N9a8
I343	St.Pet. 64		54.7	90.9 F		0.36	N9a9	N9a9	N9b9!+Y2+Y2a+Y2a1+N9a9	N9a9
CHN035	AT-115		50	92.1 F		0.28	N9a9	N9a9	N9b9!+Y2+Y2a+Y2a1+N9a9	N9a9
LJ229	C2020, Lierbaw0		36.2	103		0.05	N9a9	N9a9	N9b9!+Y2+Y2a+Y2a1+N9a9	N9a9
Cap-M9	MF907776.1		44.5	28.1		0.18	N9a9	N9a9*	N9b9!+Y2+Y2a+Y2a1+N9a9+N9a9a	N9a9
Cap-M11	MF907775.1		44.5	28.1		0.15	N9a9	N9a9*	N9b9!+Y2+Y2a+Y2a1+N9a9+N9a9a	N9a9
NLKTB87_M9			43.6	82.6	132, 325	0.34	N9a9	N9a9*	N9b9!+Y2+Y2a+Y2a1+N9a9+N9a9a	N9a9
SZOQoor566			46.6	20.2		0.13	N9a9	N9a9b	N9b9!+Y2+Y2a+Y2a1+N9a9+N9a9b	N9a9b
I12884	1051 Burial 4		35.6	140 F	277, 3	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1	N9b
Hgyokmichinoue Tm-42	ZDM2732		38.1	140		0.06	N9b	N9b	N9b!+Y2+Y2a+Y2a1	N9b
Sangang1334664	Sangang_1334664_8		37.8	141 F		0.05	N9b	N9b	N9b!+Y2+Y2a+Y2a1	N9b
I12882	1049 Burial 1		35.6	140 F	142, 8	0.05	N9b	N9b	N9b!+Y2+Y2a+Y2a1	N9b
I12885	1061 Burial 57		35.6	140 F	26, 55	0.05	N9b	N9b	N9b!+Y2+Y2a+Y2a1	N9b
KushiroNMidongaokaB			45	144		0.04	N9b*	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b*
UsuAhoshiF-H5-12	F-H5-No. 12		42.3	141		0.04	N9b*	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b*
UsuAhoshiF-H5-12	F-H5-No. 12		42.3	141		0.04	N9b*	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b*
MYR-5			44	144		N9b	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
HMN-4			43.1	145		N9b	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
HMN-8			43.1	145		N9b	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
HMN-9			43.1	145		N9b	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Irw7			42.5	141		0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
IrwPenn48			42.5	141		0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
IrwBaudconstruction			42.5	142		0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Ohnuma	Ohnuma		45.4	141	M	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari6	No. 6		45.4	141	F	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari7	No. 7		45.4	141	M	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari13	No. 13		45.4	141	F	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari15	No. 15		45.4	141	F	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari18	No. 18		45.4	141	M	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari19	No. 19		45.4	141	F	0.07	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Funadomari23			45.4	141	F	0.06	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
Rebunge No.1			46.8	17.8		0.01	N9b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1	N9b
A3038*	56.6	7.88 M		0.02	H5/R5/P	H5/R5/P	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1b	N9b
A4730	58.8	16.3 F		0.02	H5/R5/P	H5/R5/P	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1b	N9b	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1b	N9b
Guanchet4	27.7	-18		0.02	H/HV/U*/R	H/HV/U/R	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b
Guanchet56	27.7	-18		0.02	H/HV/U*/R	H/HV/U/R	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b
Guanchet57	27.7	-18		0.02	H/HV/U*/R	H/HV/U/R	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b	N9b!+Y2+Y2a+Y2a1+N9b1+N9b1c	N9b

mt-Sin-no-5-HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR-Y-Simple	TTree
W4	W		T192C	YFull							
W4	W			YFull							
W5	W										
W5	W		A730G, A1896G, C1947, T195C, T204C, G207A, A263G, G709A, A750G, T1243C, A5438G, A2706G, C3106A, A3055G, A4769G, G5046A, G5460A, C8528T, C7028T, G8251A, A8860G, G8994A, C11674T, G11719A, A11947G, T12414C, C12705T, C14766T, A15326G, A15775G, G15884C, T16093C, C16223T, C16292T, T16519C		
W5	W			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)							
W5	W		A10775G	Y-DYNA!							
W5	W			HaploFind							
W5	W	16223T 16292T 16362C									
W5	W										
W5	W		A9275G	YFull							
W5	W			HaploFind and Phy-Net, Phylotree build17							
W5	W			HaploFind and Phy-Net, Phylotree build17							
W5	W	8OmdT,-64 16093C									
W5	W	A730, C150T, A263G, G709A, A750G G11606A		YFull							
W5	W	8OmdT,-64 10754T; 16093C									
W5	W			HaploFind and Phy-Net, Phylotree build17							
W5a	W	T8G 189G 11319C 5351G		T3G 189G 10YFull							
W5a1	W										
W5a1a1	W										
W5b	W										
W5b	W			HaploFind and Phy-Net, Phylotree build17							
W5b	W			HaploFind and Phy-Net, Phylotree build17							
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5b	W										
W5a	W										
W6	W										
W6	W										
W6

Object-ID	Colloquial-Skeletal	Lat	Lon	Age	Sex	mtDNA-c.ccmf	mtDNA-haplogroup	mtDNA-Haplotree	mt-1tf-FTDNA-mt-Haplotree	mt-Sin-ms6-SVS-!	HVS-II	HVS-NO	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree-!	Y-Haplotree-!	Y-FTD	Yfull	Y-Yfu-SOGO2010	FTDNA-Y-Haplotree
Guanche49		27.9	-15.5	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16145, 1621																		
Guanche17		27.9	-15.5	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16189																		
Guanche13		27.9	-15.5	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche18		28	-17.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16311																		
Guanche4		28	-17.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche8		28.1	-17.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche15		28	-17.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16189																		
Guanche7		28.1	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche6		28.1	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche5		28.1	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche16		28.2	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16189																		
Guanche19		28.2	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16311																		
Guanche66		28.2	-17.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16172																		
Guanche61		28.3	-16.4	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16291																		
Guanche62		28.3	-16.4	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16292																		
Guanche11		28.5	-16.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche20		28.5	-16.2	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16311																		
Guanche10		28.5	-16.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche25		28.5	-16.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16260																		
Guanche9		28.5	-16.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche12		28.5	-16.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	CR5																		
Guanche26		28.5	-16.3	0.02		m/HVI/U*/R	H/HVI/U/R			m/HV/HV	16260																		
Guanche59		27.7	-18	0.02		m/JR	H/JR			rhV	CR5, 7025AluJ(-), 12308 Hin6 (-), 4216 NlaIII (-)																		
Guanche63		28	-17.3	0.02		m/JR	H/JR			rhV	16311, 7025AluJ (+), 12308 Hin6 (-), 4216 NlaIII (-)																		
Guanche60		28.3	-16.4	0.02		m/JR	H/JR			rhV	CR5, 7025AluJ(-), 12308 Hin6 (-), 4216 NlaIII (-)																		
Guanche32		28.3	-16.4	0.02		m/JR	H/JR			rhV	16189, 16316, 7025AluJ (+), 12308 Hin6 (-), 4216 NlaIII (-)																		
Rathsau52	KH130125	54.5	9.62	F		0.02	R			R	R																		
Rathsau57	KH130126	54.5	9.62	M		0.02	R			R	R																		
Rathsau183	KH130174	54.5	9.62	M		0.02	R			R	R																		
Rathsau71	KH130130	54.5	9.62	F		0.02	R			R	R																		
MN0124		43.7	106	F		0.01	R			R	R	16217C	73G 152C 195C 263G 309+C 310+C																
Pinage11		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16075																		
Pinage4		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16368																		
Pinage12		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	16184d																		
Pinage7		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16371																		
Pinage10		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16374																		
Pinage6		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16370																		
Pinage8		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16372																		
Pinage3		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16367																		
Pinage5		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16369																		
Pinage2		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16366																		
Pinage1		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16373																		
Pinage11		37.4	-4.2	0.01		H, HV, R0 or R	H/HV* or R0			m/HV/HV	CR5 between 16065 and 16365																		
Pinage24		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16261																		
Pinage27		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16311																		
Pinage23		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16189, 16362																		
Pinage26		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16304																		
Pinage16		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16093, 16126																		
Pinage19		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16192																		
Pinage22		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16193																		
Pinage15		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16304																		
Pinage17		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16126																		
Pinage14		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16192																		
Pinage20		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16126																		
Pinage28		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16256																		
Pinage29		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16378, 16311																		
Pinage13		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16174, 16189, 16190, 16192, 16294																		
Pinage25		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16314																		
Pinage18		37.4	-4.2	0.01		H, HV, U or R	U/HV* or R0			m/HV/HV	7025 AluJ 16067, 16129																		
Pinage56		37.4	-4.2	0.01		R	R			R	R	16233, Reported N, M or L3																	
Pinage57		37.4	-4.2	0.01		R	R			R	R	16233, 16311, Reported as N, M or L3																	
Pinage55		37.4	-4.2	0.01		R	R			R	R	16233, Reported N, M or L3																	
G165	KH150168	54.8	11.5	F		0.01	R			R	R																		
G9	KH150154	54.8	11.5			0.01	R			R	R																		
G78	KH150148	54.8	11.5			0.01	R			R	R																		
G35	KH150137	54.8	11.5	F		0.01	R			R	R																		
G80	KH150149	54.8	11.5			0.01	R			R	R																		
G226	KH150688 PB	55.8	9.72	M		0.01	R			R	R																		
G144	KH150702 PB	55.8	9.72	M		0.01	R			R	R																		
G187	KH150701 PB	55.8	9.72	F		0.01	R			R	R																		
G365	KH150683 PB	55.8	9.72	F		0.01	R			R	R																		
G316	KH150698 PB	55.8	9.72	M		0.01	R			R	R																		
HGH-1601		53.9	10.7	M		0.01	R or H?			R or H?	R or H?				Sauer de Marie														
Greyfriars-A04	1010YH150129	55.3	8.77	M		0.01	R			R	R																		
Greyfriars-A08	1010YH150123	55.3	8.77	F		0.01	R			R	R																		
Radonesh13		56.2	38	F		0.01	H/JT			H/JT	H/JT																		
Ystad1	Putatively Sieur de Mi	55.4	-04.3	F		0.01	R or H			R or H?	R or H?				Sieur de Marie														
Yaroslavl0ChA2		57.6	39.9	M		0.02	R			R	R																		
HGH-1662		53.9	10.7	M		0.02	R			R	R																		
Greyfriars-A04	1010YH150130	55.3	8.77	F		0.01	X			X	X																		
Nov1	Prince Charlesway Ful	55.7	37.7	U			X			X	X																		
I1290	GD13A	34.5	48.1	F		0.76	X2			X1'2'3	X1'2'3																		
I6108	SK 677	41.6	35.9	F		0.62	X1'2'3			X1'2'3	X1'2'3																		
I13170	Grave 36	42.4	18.7	F		0.2	X1'2'3			X1'2'3	X1'2'3																		
JK2911	1615	20.5	29.9	31.2			X			X	X1'2'3+!+!+!3+!4+!3a																		
CAN.E19	AEH172, MN139624.1	27.9	-15.5	0.69		0.4a	X3a*			X3a*	X3a*1'2'3+!+!3+!4+!3a					C2163T	Yfull												
CAN.E14	AEH111, MN139621.1	28.7	-17.9	0.46		0.4a	X3a*			X3a*	X3a*1'2'3+!+!3+!4+!3a					C2163T	Yfull												
CAN.E03	AEH107, MN139621.1	28.7	-17.9	0.46		0.4a	X3a*			X3a*	X3a*1'2'3+!+!3+!4+!3a					C2163T	Yfull												
CAN.E03	AEH107, MN139621.1	27.9	-15.5	0.46		0.4a	X3a*			X3a*	X3a*1'2'3+!+!3+!4+!3a					C2163T	Yfull												
BAM15	1449	46.2	18.7	FF		0.64	X2			X2	X2+!1'2+!3																		
CB7014	3415410-311	40	34.6	F		0.64	X2			X2	X2+!1'2+!3																		
BAM23	1528	46.2	18.7	F		0.64	X2			X2	X2+!1'2+!3																		
Pinar2		46.2	-0.48	M		0.63	X2			X2	X2+!1'2+!3																		
KI125	Calden	51.4	9.4			0.44	X2			X2	X2+!1'2+!3																		
MR99		42.3	-3.5			0.38	X2			X2	X2+!1'2+!3																		
I9010	Galatas10	37.5	23.5	F		0.28	X2			X2	X2+!1'2+!3																		
I1140		36.2	37.2	F	319		X2			X2	X2+!1'2+!3																		
LICOL38	MG182510	45.1	7.59			0.11	X2			X2	X2+!1'2+!3																		
I27	Grave 445	55.5	10.5	F		0.08	X2			X2	X2+!1'2+!3																		
Rathsau172	KH130170	54.5	9.62	F		0.07	X2			X2	X2+!1'2+!3																		
Rathsau81	KH130133	54.5	9.62	M		0.07	X2			X2	X2+!1'2+!3																		
I10120	708	52.9	14.2			0.06	X2			X2	X2+!1'2+!3																		
HGH-1512		53.9	10.7	F		0.05	X2			X2	X2+!1'2+!3																		
HGH-1639		53.9	10.7	F		0.05	X2			X2	X2+!1'2+!3																		
I13		52.6	-1.14			0.22	X2f			X2f	X2+!1'2+!3+!4+!6+!7																		
Karos371	KY0E3704.1	48.3	21.7	M		0.14	X2f			X2f*	X2f*1'2+!3+!4+!6+!7																		
Karos252		48.3	21.7	M		0.14	X2f			X2f	X2f*1'2+!3+!4+!6+!7																		
PUSper200		47.3	21.1			0.13	X2f			X2f*	X2f*1'2+!3+!4+!6+!7																		
AUN8005	MN687316	43	12.9	U		0.25	X2+G225A*			X2+G225A*	X2+G225A+!3+!4+!6+!7																		
LRV 148	F289	40.8	16.3			0.18	X2+G225			X2+G225	X2+G225A+!3+!4+!6+!7																		
LHS22742.1	MG182476	46.8	17.8			0.14	X2+G225			X2+G225	X2+G225A+!3+!4+!6+!7																		
LHS22742.2	MG182477	46.8	17.8			0.14	X2+G225			X2+G225	X2+G225A+!3+!4+!6+!7																		
VM376	Gotland_kopparvik	57.6	18.3	F	26.1	0.1	X2+225			X2+225	X2+G225A																		
PRV72-K35B		46.3	20.7	M		0.26	X2a1a1			X2a1a1	X2a1a1+!3+!4+!6+!7+!8+!9+!10+!11+!12+!13+!14+!15+!16+!17																		
LISB04	10493, MN259676.1	51.5	-0.07	F		0.05	X2b			X2b*	X2b*1'2+!3+!4+!6+!7+!8+!9+!10+!11+!12+!13+!14+!15+!16+!17+!18+!19+!20+!21+!22+!23+!24+!25+!26+!27+!28+!29+!30+!31+!32+!33+!34+!35+!36+!37+!38+!39+!40+!41+!42+!43+!44+!45+!46+!47+!48+!49+!50+!51+!52+!53+!54+!55+!56+!57+!58+!59+!60+!61+!62+!63+!64+!65+!66+!67+!68+!69+!70+!71+!72+!73+!74+!75+!76+!77+!78+!79+!80+!81+!82+!83+!84+!85+!86+!87+!88+!89+!90+!91+!92+!93+!94+!95+!96+!97+!98+!99+!100+!101+!102+!103+!104+!105+!106+!107+!108+!109+!110+!111+!112+!113+!114+!115+!116+!117+!118+!119+!120+!121+!122+!123+!124+!125+!126+!127+!128+!129+!130+!131+!132+!133+!134+!135+!136+!137+!138+!139+!140+!141+!142+!143+!144+!145+!146+!147+!148+!149+!150+!151+!152+!153+!154+!155+!156+!157+!158+!159+!160+!161+!162+!163+!164+!165+!166+!167+!168+!169+!170+!171+!172+!173+!174+!175+!176+!177+!178+!179+!180+!181+!182+!183+!184+!185+!186+!187+!188+!189+!190+!191+!192+!193+!194+!195+!196+!197+!198+!199+!200+!201+!202+!203+!204+!205+!206+!207+!208+!209+!210+!211+!212+!213+!214+!215+!216+!217+!218+!219+!220+!221+!222+!223+!224+!225+!226+!227+!228+!229+!230+!231+!232+!233+!234+!235+!236+!237+!238+!239+!240+!241+!242+!243+!244+!245+!246+!247+!248+!249+!250+!251+!252+!253+!254+!255+!256+!257+!258+!259+!260+!261+!262+!263+!264+!265+!266+!267+!268+!269+!270+!271+!272+!273+!274+!275+!276+!277+!278+!279+!280+!281+!282+!283+!284+!285+!286+!287+!288+!289+!290+!291+!292+!293+!294+!295+!296+!297+!298+!299+!300+!301+!302+!303+!304+!305+!306+!307+!308+!309+!310+!311+!312+!313+!314+!315+!316+!317+!318+!319+!320+!321+!322+!323+!324+!325+!326+!327+!328+!329+!330+!331+!332+!333+!334+!335+!336+!337+!338+!339+!340+!341+!342+!343+!344+!345+!346+!347+!348+!349+!350+!351+!352+!353+!354+!355+!356+!357+!358+!359+!360+!361+!362+!363+!364+!365+!366+!367+!368+!369+!370+!371+!372+!373+!374+!375+!376+!377+!378+!379+!380+!381+!382+!383+!384+!385+!386+!387+!388+!389+!390+!391+!392+!393+!394+!395+!396+!397+!398+!399+!400+!401+!402+!403+!404+!405+!406+!407+!408+!409+!410+!411+!412+!413+!414+!415+!416+!417+!418+!419+!420+!421+!422+!423+!424+!425+!426+!427+!428+!429+!430+!431+!432+!433+!434+!435+!436+!437+!438+!439+!440+!441+!442+!443+!444+!445+!446+!447+!448+!449+!450+!451+!452+!453+!454+!455+!456+!457+!458+!459+!460+!461+!462+!463+!464+!465+!466+!467+!468+!469+!470+!471+!472+!473+!474+!475+!476+!477+!478+!479+!480+!481+!482+!483+!484+!485+!486+!487+!488+!489+!490+!491+!492+!493+!494+!495+!496+!497+!498+!499+!500+!501+!502+!503+!504+!505+!506+!507+!508+!509+!510+!511+!512+!513+!514+!515+!516+!517+!518+!519+!520+!521+!522+!523+!524+!525+!526+!527+!528+!529+!530+!531+!532+!533+!534+!535+!536+!537+!538+!539+!540+!541+!542+!543+!544+!545+!546+!547+!548+!549+!550+!551+!552+!553+!554+!555+!556+!557+!558+!559+!560+!561+!562+!563+!564+!565+!566+!567+!568+!569+!570+!571+!572+!573+!574+!575+!576+!577+!578+!579+!580+!581+!582+!583+!584+!585+!586+!587+!588+!589+!590+!591+!592+!593+!594+!595+!596+!597+!598+!599+!600+!601+!602+!603+!604+!605+!606+!607+!608+!609+!610+!611+!612+!613+!614+!615+!616+!617+!618+!619+!620+!621+!622+!623+!624+!625+!626+!627+!628+!629+!630+!631+!632+!633+!634+!635+!636+!637+!638+!639+!640+!641+!642+!643+!644+!645+!646+!647+!648+!649+!650+!651+!652+!653+!654+!655+!656+!657+!658+!659+!660+!661+!662+!663+!664+!665+!666+!667+!668+!669+!670+!671+!672+!673+!674+!675+!676+!677+!678+!679+!680+!681+!682+!683+!684+!685+!686+!687+!688+!689+!690+!691+!692+!693+!694+!695+!696+!697+!698+!699+!700+!701+!702+!703+!704+!705+!706+!707+!708+!709+!710+!711+!712+!713+!714+!715+!716+!717+!718+!719+!720+!721+!722+!723+!724+!725+!726+!727+!728+!729+!730+!731+!732+!733+!734+!735+!736+!737+!738+!739+!740+!741+!742+!743+!744+!745+!746+!747+!748+!749+!750+!751+!752+!753+!754+!755+!756+!757+!758+!759+!760+!761+!762+!763+!764+!765+!766+!767+!768+!769+!770+!771+!772+!773+!774+!775+!776+!777+!778+!779+!780+!781+!782+!783+!784+!785+!786+!787+!788+!789+!790+!791+!792+!793+!794+!795+!796+!797+!798+!799+!800+!801+!802+!803+!804+!805+!806+!807+!808+!809+!810+!811+!812+!813+!814+!815+!816+!817+!818+!819+!820+!821+!822+!823+!824+!825+!826+!827+!828+!829+!830+!831+!832+!833+!834+!835+!836+!837+!838+!839+!840+!841+!842+!843+!844+!845+!846+!847+!848+!849+!850+!851+!852+!853+!854+!855+!856+!857+!858+!859+!860+!861+!862+!863+!864+!865+!866+!867+!868+!869+!870+!871+!872+!873+!874+!875+!876+!877+!878+!879+!880+!881+!882+!883+!884+!885+!886+!887+!888+!889+!890+!891+!892+!893+!894+!895+!896+!897+!898+!899+!900+!901+!902+!903+!904+!905+!906+!907+!908+!909+!910+!911+!912+!913+!914+!915+!916+!917+!918+!919+!920+!921+!922+!923+!924+!925+!926+!927+!928+!929+!930+!931+!932+!933+!934+!935+!936+!937+!938+!939+!940+!941+!942+!943+!944+!945+!946+!947+!948+!949+!950+!951+!952+!953+!954+!955+!956+!957+!958+!959+!960+!961+!962+!963+!964+!965+!966+!967+!968+!969+!970+!971+!972+!973+!974+!975+!976+!977+!978+!979+!980+!981+!982+!983+!984+!985+!986+!987+!988+!989+!990+!991+!992+!993+!994+!995+!996+!997+!998+!999+!1000+!1001+!1002+!1003+!1004+!1005+!1006+!1007+!1008+!1009+!1010+!1011+!1012+!1013+!1014+!1015+!1016+!1017+!1018+!1019+!1020+!1021+!1022+!1023+!1024+!1025+!1026+!1027+!1028+!1029+!1030+!1031+!1032+!1033+!1034+!1035+!1036+!1037+!1038+!1039+!1040+!1041+!1042+!1043+!1044+!1045+!1046+!1047+!1048+!1049+!1050+!1051+!1052+!1053+!1054+!1055+!1056+!1057+!1058+!1059+!1060+!1061+!1062+!1063+!1064+!1065+!1066+!1067+!1068+!1069+!1070+!1071+!1072+!1073+!1074+!1075+!1076+!1077+!1078+!1079+!1080+!1081+!1082+!1083+!1084+!1085+!1086+!1087+!1088+!1089+!1090+!1091+!1092+!1093+!1094+!1095+!1096+!1097+!1098+!1099+!1100+!1101+!1102+!1103+!1104+!1105+!1106+!1107+!1108+!1109+!1110+!1111+!1112+!1113+!1114+!1115+!1116+!1117+!1118+!1119+!1120+!1121+!1122+!1123+!1124+!1125+!1126+!1127+!1128+!1129+!1130+!1131+!1132+!1133+!1134+!1135+!1136+!1137+!1138+!1139+!1140+!1141+!1142+!1143+!1144+!1145+!1146+!1147+!1148+!1149+!1150+!1151+!1152+!1153+!1154+!1155+!1156+!1157+!1158+!1159+!1160+!1161+!1162+!1163+!1164+!1165+!1166+!1167+!1168+!1169+!1170+!1171+!1172+!1173+!1174+!1175+!1176+!1177+!1178+!1179+!1180+!1181+!1182+!1183+!1184+!1185+!1186+!1187+!1188+!1189+!1190+!1191+!1192+!1193+!1194+!1195+!1196+!1197+!1198+!1199+!1200+!1201+!1202+!1203+!1204+!1205+!1206+!1207+!1208+!1209+!1210+!1211+!1212+!1213+!1214+!1215+!1216+!1217+!1218+!1219+!1220+!1221+!1222+!1223+!1224+!1225+!1226+!1227+!1228+!1229+!1230+!1231+!1232+!1233+!1234+!1235+!1236+!1237+!1238+!1239+!1240+!1241+!1242+!1243+!1244+!1245+!1246+!1247+!1248+!1249+!1250+!1251+!1252+!1253+!1254+!1255+!1256+!1257+!1258+!1259+!1260+!1261+!1262+!1263+!1264+!1265+!1266+!1267+!1268+!1269+!1270+!1271+!1272+!1273+!1274+!1275+!1276+!1277+!1278+!1279+!1280+!1281+!1282+!1283+!1284+!1285+!1286+!1287+!1288+!1289+!1290+!1291+!1292+!1293+!1294+!1295+!1296+!1297+!1298+!1299+!1300+!1301+!1302+!1303+!1304+!1305+!1306+!1307+!1308+!1309+!1310+!1311+!1312+!1313+!1314+!1315+!1316+!1317+!1318+!1319+!1320+!1321+!1322+!1323+!1324+!1325+!1326+!1327+!1328+!1329+!1330+!1331+!1332+!1333+!1334+!1335+!1336+!1337+!1338+!1339+!1340+!1341+!1342+!1343+!1344+!1345+!1346+!1347+!1348+!1349+!1350+!1351+!1352+!1353+!1354+!1355+!1356+!1357+!1358+!1359+!1360+!1361+!1362+!1363+!1364+!1365+!1366+!1367+!1368+!1369+!1370+!1371+!1372+!1373+!1374+!1375+!1376+!1377+!1378+!1379+!1380+!1381+!1382+!1383+!1384+!1385+!1386+!1387+!1388+!1389+!1390+!1391+!1392+!1393+!1394+!1395+!1396+!1397+!1398+!1399+!1400+!1401+!1402+!1403+!1404+!1405+!1406+!1407+!1408+!1409+!1410+!1411+!1412+!1413+!1414+!1415+!1416+!1417+!1418+!1419+!1420+!1421+!1422+!1423+!1424+!1425+!1426+!1427+!1428+!1429+!1430+!1431+!1432+!1433+!1434+!1435+!1436+!1437+!1438+!1439+!1440+!1441+!1442+!1443+!1444+!1445+!1446+!1447+!1448+!1449+!1450+!1451+!1452+!1453+!1454+!1455+!1456+!1457+!1458+!1459+!1460+!1461+!1462+!1463+!1464+!1465+!1466+!1467+!1468+!1469+!1470+!1471+!1472+!1473+!1474+!1475+!1476+!1477+!1478+!1479+!1480+!1481+!1482+!1483+!1484+!1485+!1486+!1487+!1488+!1489+!1490+!1491+!1492+!1493+!1494+!1495+!1496+!1497+!1498+!1499+!1500+!1501+!1502+!1503+!1504+!1505+!1506+!1507+!1508+!1509+!1510+!1511+!1512+!1513+!1514+!1515+!1516+!1517+!1518+!1519+!1520+!1521+!1522+!1523+!1524+!1525+!1526+!1527+!1528+!1529+!1530+!1531+!1532+!1533+!1534+!1535+!1536+!1537+!1538+!1539+!1540+!1541+!1542+!1543+!1544+!1545+!1546+!1547+!1548+!1549+!1550+!1551+!1552+!1553+!1554+!1555+!1556+!1557+!1558+!1559+!1560+!1561+!1562+!1563+!1564+!1565+!1566+!1567+!1568+!1569+!1570+!1571+!1572+!1573+!1574+!1575+!1576+!1577+!1578+!1579+!1580+!1581+!1582+!1583+!1584+!1585+!1586+!1587+!1588+!1589+!1590+!1591+!1592+!1593+!1594+!1595+!1596+!1597+!1598+!1599+!1600+!1601+!1602+!1603+!1604+!1605+!1606+!1607+!1608+!1609+!1610+!1611+!1612+!1613+!1614+!1615+!1616+!1617+!1618+!1619+!1620+!1621+!1622+!1623+!1624+!1625+!1626+!1627+!1628+!1629+!1630+!1631+!1632+!1633+!1634+!1635+!1636+!1637+!1638+!1639+!1640+!1641+!1642+!1643+!1644+!1645+!1646+!1647+!1648+!1649+!1650+!1651+!1652+!1653+!1654+!1655+!1656+!1657+!1658+!1659+!1660+!1661+!1662+!1663+!1664+!1665+!1666+!1667+!1668+!1669+!1670+!1671+!1672+!1673+!1674+!1675+!1676+!1677+!1678+!1679+!1680+!1681+!1682+!1683+!1684+!1685+!1686+!1687+!1688+!1689+!1690+!1691+!1692+!1693+!1694+!1695+!1696+!1697+!1698+!1699+!1700+!1701+!1702+!1703+!1704+!1705+!1706+!1707+!1708+!1709+!1710+!1711+!1712+!1713+!1714+!1715+!1716+!1717+!1718+!1719+!1720+!1721+!1722+!1723+!1724+!1725+!1726+!1727+!1728+!1729+!1730+!1731+!1732+!1733+!1734+!1735+!1736+!1737+!1738+!1739+!1740+!1741+!1742+!1743+!1744+!1745+!1746+!1747+!1748+!1749+!1750+!1751+!1752+!1753+!1754+!1755+!1756+!1757+!1758+!1759+!1760+!1761+!1762+!1763+!1764+!1765+!1766+!1767+!1768+!1769+!1770+!1771+!1772+!1773+!1774+!1775+!1776+!1777+!1778+!1779+!1780+!1781+!1782+!1783+!1784+!1785+!1786+!1787+!1788+!1789+!1790+!1791+!1792+!1793+!1794+!1795+!1796+!1797+!1798+!1799+!1800+!1801+!1802+!1803+!1804+!1805+!1806+!1807+!1808+!1809+!1810+!1811+!1812+!1813+!1814+!1815+!1816+!1817+!1818+!1819+!1820+!1821+!1822+!1823+!1824+

Object-ID	Colloquial-Skeletal	LatitudeLongitude	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-Sin-no	S-HVS-1	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree-Y-Haplotree	Y-FTD	YfuS	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree
X2	X	73G 153G 195C 225A 227G 263G 315.1C 750G 14																							
X2	X																								
X2	X	16189A, 16223T, 16273C, 16278T										T1511C	YFull												
X2	X																								
X2	X																								
X2	X											HaploGroup v2.1.19													
X2	X											HaplogroupV2.1.19													
X2	X											Haplogroup (v3.1.20)													
X2	X										

Object-ID	Colloquial-Skeletal	Lat/Lon	Length	Sex	mt-DNA-c	mt-FM	mt-DNA-haplogroup	mt-DNA-Haplotype	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-Sin-no	5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu SOGG2019	FTDNA Y-Haplotree
SMF4		43.1	27		0.36	M	H				M	H	304C																		
SMF3		43.1	27		0.36	M	H				M	H	rCRS																		
SMF9		43.1	27		0.36	M	H				M	H	2617																		
V361		47.2	35.6		0.36	M	H				M	H	rCRS																		
Kuyavia1		53.2	18.5		0.36	M	H				M	H	CRS																		
Kuyavia2		53.2	18.5		0.36	M	H				M	H	CRS																		
DO31		48.9	33.8		0.36	M	H				M	H	111																		
KEFP14		46.7	17.2		0.35	M	H				M	H	16093c 16129a																		
KEFP13		46.7	17.2		0.35	M	H				M	H	16291t																		
KEFP4		46.7	17.2		0.35	M	H				M	H	16291t																		
VE69		47.1	17.9		0.35	M	H				M	H																			
BuergerNuovo		46.3	10.7		0.23	H?	H				M	H	CRS																		
SALZ 28		51.5	11.9		0.35	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
SALZ 38		51.5	11.9		0.34	M	H				M	H	A16129G T1673A C146T C152T C195T A247G 4385G																		
I0644		33	35.3 F		37.7	0.34	H2b4				M	H																			
I9679	CH-BG-CLAA-LIE140 2	36.4	42.6 F		4.56	0.34	H				M	H	HaploGrep2																		
SALZ 107		51.5	11.9		0.34	M	H				M	H	T16187C C16189T T16223C G16230A T16278C C16311T																		
CW		31.9	35.5 M		0.35	22	H7				M	H	263G, 309.1C, 309.2C, 309.3C, 315.1C																		
3D31-1		48.7	7.57 M		0.34	M	H				M	H	CRS																		
1D49-1		48.7	7.57 U		0.34	M	H				M	H	CRS																		
2D34-1		48.7	7.57 U		0.34	M	H				M	H	CRS																		
BrA11		49.1	8.55		0.34	M	H				M	H																			
1D77-1		48.7	7.57 U		0.34	M	H				M	H	16093C																		
BrA8		49.1	8.55		0.34	M	H				M	H																			
1D76-3		48.7	7.57 F		0.33	M	H				M	H	CRS																		
Tar6		41.2	2.51		0.33	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
I3920	A68	36.6	22.4 F	..	0.33	M	H				M	H																			
EUL 14		51.2	11.8		0.33	M	H				M	H	n.d.																		
SALZ 55		51.5	11.9		0.33	M	H				M	H	T16093C T16187C C16189T T16223C G16230A T16278C C16311T																		
QLB 14		51.8	11.1		0.33	M	H				M	H	T16093C T16187C C16189T T16223C G16230A T16278C C16311T																		
QLB 4		51.8	11.1		0.33	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
BLA23	BV12 C46, Pu 15.1	51.4	7.55		0.32	M	H				M	H	7028C, 12308A																		
V1.2		48.8	25.9		0.32	M	H				M	H	C16266T, T16311C																		
pose341		50.3	20.4	17			H				M	H	A263G, A750G, A1438G, A4769G, A8860G, A15326G, C16223A, T16519C																		
ABS.AE1.521		39.1	-9.02		0.31	M	H				M	H	T16187C C16189T T16223C G16230A T16278C C16311T																		
ABS.BB4.250		39.1	-9.02		0.31	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
CM194		39.1	-9.24		0.31	M	H				M	H	16111T, 16129A, +7025																		
CM183		39.1	-9.24		0.31	M	H				M	H	CRS, -7025																		
Par2		38.8	-0.28		0.31	M	H				M	H	T16093C A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
PI27		48.6	35.3		0.31	M	H				M	H	D424.209C																		
NeoMHG 6		41.6	2.32		0.3	M	H				M	H	CRS																		
NeoMHG 1		41.6	2.32		0.3	M	H				M	H	CRS																		
NeoMHG 11		41.6	2.32		0.3	M	H				M	H	28BC 362C																		
NeoMHG 12		41.6	2.32		0.3	M	H				M	H	CRS																		
PI4-6		42.8	-2.9		0.3	M	H				M	H	rCRS																		
PI4-3		42.8	-2.9		0.3	M	H				M	H	16093																		
SALZ 66		51.5	11.9		0.3	M	H				M	H	A16129G T1673A C146T C195T A247G																		
SALZ 116		51.5	11.9		0.3	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
1H14	1H14_Ages_2_7207	48.9	4		0.3	M	H				M	H																			
pose342		50.3	20.4	287			H				M	H	A263G, A750G, A1438G, A4769G, A8860G, A15326G, C16114T, T16519C																		
pose482		50.3	20.4	18			H				M	H	A263G, A750G, A1438G, A4769G, A8860G, A15326G, C16114T, T16519C																		
pose484		50.3	20.4	56			H				M	H	A263G, A750G, A1438G, C3106A, A4769G, A8860G, A15326G, C16114T, T16519C																		
pose488		50.3	20.4	153			H				M	H	A263G, A750G, A1438G, C3106A, A4769G, A8860G, A15326G, C16114T, T16519C																		
Sanjuan15		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan8		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan12		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan21		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan1		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan22		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan11		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan4		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan16		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan13		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan14		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan5		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan9		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan18		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan23		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan3		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan2		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan6		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan20		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan10		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan7		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan17		42.6	-2.58		0.3	M	H				M	H																			
Sanjuan19		42.6	-2.58		0.3	M	H				M	H																			
I6796	Embo_1	57.9	-4.F	371	0.29	M	H				M	H				Phy-Mer															
pose476		50.3	20.4	11.0			H				M	H	A263G, A750G, A1438G, A4769G, A8860G, A15326G, C16114T, T16519C																		
UE77		38.4	-7.53 M		0.29	M	H				M	H																			
rico007	Roa007	38.2	13.6 M	31.8674	0.29	M (0.75)	H				M	H	Haplogrep 2.0																		
I1497	CO3.5G, HUNG353	47.2	19.8 F	445	0.29	M	H				M	H	263G, 750G, 14380, 4769G, 8860G, 15326G, 16519	Haplogrep																	
MCJ 288.5		37.2	-6.59		0.29	M	H				M	H	16258T, -7025																		
MCJ 384.11*]		37.2	-6.59		0.29	M	H				M	H	16311C, 16354T, -12308																		
MCJ 317*		37.2	-6.59		0.29	M	H				M	H	16356C, -7025																		
MCJ 176.1		37.2	-6.59		0.29	M	H				M	H	16294T, 16304C, -7025, -12308, -11719																		
MCJ 176.2		37.2	-6.59		0.29	M	H				M	H	CRL, -7025																		
MCJ 435.3		37.2	-6.59		0.29	M	H				M	H	16093C, -7025																		
PMH 527, 542		39.2	-9.29		0.29	M	H				M	H	2 samples 16183C, 16189C, -7025																		
PMF 14714		39.2	-9.29		0.29	M	H				M	H	CRL, -7025, -12308, -11719																		
PMF 15986		39.2	-9.29		0.29	M	H				M	H	16270T, -7025, -12308, -11719																		
PMF 17334		39.2	-9.29		0.29	M	H				M	H	16147T, -12308, -11719																		
PMH 591		39.2	-9.29		0.29	M	H				M	H	16292G, -7025, -11719																		
PMF 556		39.2	-9.29		0.29	M	H				M	H	CRL, -7025																		
PI-63		37.4	23.1		0.29	M	H				M	H	16290t																		
CAH533	Carrowkeel533	54.1	-8.38 F		0.28	M	H				M	H	73A, 1487, 15271, 16297, 247G, 769G, 8297, 10186, 2706A, 2758G, 2885T, 3594C, 4104A, 4312C, 7028C, 7146A, 7256C, 7521G, 8468C, 8655C, 8701A, 9540T, 10398A, 10664C, 10680C, 10810T, 10873T, 10915T, 11719G, 11914G, 12705C, 13105A, 13276A, 13506C, 13650C, 14766C, 16129G, 16187C, 16189T, 16223C, 16230A, 16278C, 16311T	
I2833		54.8	17.9		0.28	M	H				M	H	263G 750G 1438G 4769G 8860G 11251N 15326G 16093C 16519C																		
LU339	LU339	37.4	-4.51 F	..	0.28	M	H				M	H	H3	Phylo Tree																	
BENZ 36		51.8	10.9		0.28	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
BENZ 17		51.8	10.9		0.28	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
Cmed105		38.1	-1.86		0.28	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
BEN3		42.4	25.9		0.27	M	H				M	H	188T																		
SU66		48.5	32.3		0.27	M	H				M	H	362C																		
SU67		48.5	32.3		0.27	M	H				M	H	rCRS																		
SU68		48.5	32.3		0.27	M	H				M	H	rCRS																		
NIK7		53.1	50.3		0.27	M	H				M	H	rCRS																		
PUNK2	183	54.3	10.6		0.27	M	H				M	H																			
KAL2		53.8	53.3		0.27	M	H				M	H	n/a																		
Bar13		41.1	0.96		0.27	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
VU071	VU071.BD101.TF1.1	50.4	14.4 F		0.27	M	H				M	H																			
LI54	I55/30, Knochen 528	53.9	13.5		0.27	M	H				M	H																			
LI69	Knochen 539 I55/28 S	53.9	13.5		0.27	M	H				M	H																			
KRU5L	I55.0184885	53.9	13.2		0.27	M	H				M	H																			
KRU4	382.D185559	53.9	13.2		0.18	H?	H				M	H																			
MAA2210	G-137, the well of Iay	38.6	34.3	..	0.27	M	H				M	H																			
FAD52		43.2	2.4		0.27	M	H				M	H				Haplofind and Phy-Mer, Phylotree build17															
pose515		50.9	21.4	14			H				M	H	A263G, T310C, A750G, A1438G, C3831T, A4769G, G5404A, A8860G, C12402T, C12402T, C14766T, A15326G, T16519C																		
TEM2		46.6	43.7		0.27	M	H				M	H	rCRS																		
U51		48.9	38.4		0.27	M	H				M	H	3547																		
XER02	T.58	40.5	22.1	19.734	0.26	M	H				M	H				HaploGrep v2.1.19															
FAD50		43.2	2.4		0.26	M	H				M	H				Haplofind and Phy-Mer, Phylotree build17															
Cos4		38.6	-0.77		0.26	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C																		
MR3		42.1	-3.5		0.26	M	H				M	H	CRS																		
Spreitenbach-Moosweg16/10		47.4	8.38 M		0.26	M	H				M	H	7028, 16189C.																		
EUL 29		51.2	11.8		0.26	M	H				M	H	n.d.																		
KAR 25		51.3	11.7		0.26	M	H				M	H	n.d.																		
KAR 58		51.3	11.7		0.26	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
OBW 3		51.7	11.5		0.26	M	H				M	H	T16093C A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
OBW 2		51.7	11.5		0.26	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
QLB 23		51.8	11.1		0.26	M	H				M	H	C16114a A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
AUB 2		51.4	11.6		0.26	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
QLB 38		51.8	11.1		0.25	M	H				M	H	A16129G T16187C T16223C G16230A T16278C C16311T																		
EUL 23		51.2	11.8		0.25	M	H				M	H	A16129G T1673A C146T C152T C195T A247G G263A																		
PEI3		46.6	43.7		0.25	M	H				M	H	362C																		
PEI2		46.6	43.7		0.25	M	H				M	H	234T																		
PEI4		46.6	43.7		0.25	M	H				M	H	362C																		
SU65		48.5	32.3		0.25	M	H				M	H	362C																		
NEV3		49.2	38		0.25	M	H				M	H	362C																		
pose270		13	50.4	201.6 F	1.64161	0.25	M	H				M	H	HSR2 TRY 2636 459T 4617 462T, CRn/a (+2n)	ReichLab_v44.3								4277								
ABBL1		43	-1.65 M?		0.16	H?	H7				M	H	CRS																		
THB3203		37.2	38.8 M		0.16	H?	H7				M	H	CRS																		
THB0078		37.2	38.8 U		0.16	H?	H7				M	H	CRS																		
THB0214		37.2	38.8 F		0.16	H?	H7				M	H	CRS																		
THB0080		37.2	38.8 U		0.16	H?	H7				M	H	CRS																		
THB070		37.2	38.8 F		0.16	H?	H7				M	H	CRS																		
THB3218		37.2	38.8 M		0.16	H?	H7				M	H	CRS																		
THB0086		37.2	38.8 U		0.16	H?	H7				M	H	CRS																		
TH11704		37.2	38.8 F		0.16	H?	H7				M	H	CRS																		
THB075		37.2	38.8 F		0.16	H?	H7				M	H	CRS																		
THB0076		37.2	38.8 M		0.16	H?	H7				M	H	CRS																		
MSJ002		56.9	39.6 F		0.24	M	H				M	H																			
EUL 31		51.2	11.8		0.24	M	H				M	H	n.d.																		
EUL 63		51.2	11.8		0.23	M	H				M	H	n.d.																		
I8995	LaosthTc17	35.1	25.8 F	..	0.23	M	H				M	H																			
I6316	Gomur tomb 1651 san	38.2	62 F	7.26	0.23	M	H				M	H																			
SFM00	Stonepark3409	53.8	-9.15 F		0.23	M	H				M	H																			
EUL 37		51.2	11.8		0.23	M	H				M	H	73A, 1487, 15271, 16297, 247G, 769G, 8297, 10186, 2706A, 2758G, 2885T, 3594C, 4104A, 4312C, 7028C, 7146A, 7256C, 7521G, 8468C, 8655C, 8701A, 9540T, 10398A, 10664C, 10680C, 10810T, 10873T, 10915T, 11719G, 11914G, 12705C, 13105A, 13276A, 13506C, 13650C, 14766C, 16129G, 16187C, 16189T, 16223C, 16230A, 16278C, 16311T	
Mdu32b	257A	45.9	20.4 F		0.22	M	H				M	H	1579-1921 u16RC be	-1949.5	-1978	-1921	Unetice	Unetice culture	Eulau	Germany
EUL 35		51.2	11.8		0.22	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
EUL 36		51.2	11.8		0.22	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C T16304C C16311T																		
ROC 7		51.2	12.1		0.22	M	H				M	H	A16129G T16187C C16189T T16223C G16230A C16251T T16278C A16293t C16311T																		
KAR 22		51.3	11.7		0.22	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16291T C16311T																		
KAR 54		51.3	11.7		0.22	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
KAR 44		51.3	11.7		0.22	M	H				M	H	A16129G T16073A C146T C152T C195T A247G 725C																		
LEA 1		51.7	11.8		0.22	M	H				M	H	n.d.																		
PUZ72 3		51.7	11.7		0.22	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
PUZ72 2		51.7	11.7		0.22	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
EUL 34		51.2	11.8		0.22	M	H				M	H	n.d.																		
ALA820	45.44, Locus 66, AT 6E	36.2	36.4 F	..	0.21	M	H				M	H	750G 1438 263N 262N 263G																		
MinoanEAH		35.1	25.8		0.21	M	H				M	H	16298(T)																		
MinoanTH		35.1	25.8		0.21	M	H				M	H	16298(T)																		
MinoanEBMH		35.1	25.8		0.21	M	H				M	H	-CRS-																		
MinoanEDH		35.1	25.8		0.21	M	H				M	H	-CRS-																		
MinoanTAH		35.1	25.8		0.21	M	H				M	H	-CRS-																		
MinoanW11		35.1	25.8		0.21	M	H				M	H	16298(T), 16304(C)																		
MinoanBH		35.1	25.8		0.21	M	H				M	H	16172(C)																		
MinoanLEAH		35.1	25.8		0.21	M	H				M	H	-CRS-																		
MinoanETAH		35.1	25.8		0.21	M	H				M	H	-CRS-																		
Bar2		38.4	-0.38		0.21	M	H				M	H	n.a.																		
KAR 39		51.3	11.7		0.21	M	H				M	H	A16129G T1673A C146T C152T C195T A247G																		
OTTM_164	OTTM_165	48.2	10.8 F		0.21	M	H				M	H				KnipperPMA52018															
CladfmHarv3		57.2	-7.41 M		0.14	M	H				M	H	CRS																		
MS61	GC.2.135.e155	41.3	1.06 F		0.21	H1,H4b4	H1,H4b4				M1	H				HaploGrep2															
I2087b	LAA93 E18 780 (14)	5.86	10.1		0.2	M	H				M	H																			
Xiaohe12B		40.3	88.7 F		0.2	M	H				M	H	26D																		
M12		40.3	88.7 F		0.2	M	H				M	H	CRS																		
Gam5		41.5	2.08		0.2	M	H				M	H	n.a.																		
Karaisu2		50.6	86.2 M		0.2	M	H				M	H	16304																		
Berke41		49.5	87.1 M		0.13	H?	H7				M	H																			
A62		37.7	22.8		0.13	H?	H7				M	H	CRS																		
URT-1		43.3	-2.35		0.2	M	H				M	H	rCRS																		
UE78		38.4	-7.53 M		0.29	M	H				M	H	CRS																		
rico007	Roa007	38.2	13.6 M	31.8674	0.29 (0.75)	M	H				M	H	Haplogrep 2.0																		
I1497	CO3.5G, HUNG353	47.2	19.8 F	445	0.29	M	H				M	H	263G, 750G, 14380, 4769G, 8860G, 15326G, 16519	Haplogrep																	
MCJ 288.5		37.2	-6.59		0.29	M	H				M	H	16258T, -7025																		
MCJ 384.11*]		37.2	-6.59		0.29	M	H				M	H	16311C, 16354T, -12308																		
MCJ 317*		37.2	-6.59		0.29	M	H				M	H	16356C, -7025																		
MCJ 176.1		37.2	-6.59		0.29	M	H				M	H	16294T, 16304C, -7025, -12308, -11719																		
MCJ 176.2		37.2	-6.59		0.29	M	H				M	H	CRL, -7025																		
MCJ 435.3		37.2	-6.59		0.29	M	H				M	H	16093C, -7025																		
PMH 527, 542		39.2	-9.29		0.29	M	H				M	H	2 samples 16183C, 16189C, -7025																		
PMF 14714		39.2	-9.29		0.29	M	H				M	H	CRL, -7025, -12308, -11719																		
PMF 15986		39.2	-9.29		0.29	M	H				M	H	16270T, -7025, -12308, -11719																		
PMF 17334		39.2	-9.29		0.29	M	H				M	H	16147T, -12308, -11719																		
PMH 591		39.2	-9.29		0.29	M	H				M	H	16292G, -7025, -11719																		
PMF 556		39.2	-9.29		0.29	M	H				M	H	CRL, -7025																		
PI-63		37.4	23.1		0.29	M	H				M	H	16290t																		
CAH533	Carrowkeel533	54.1	-8.38 F		0.28	M	H				M	H	73A, 1487, 15271, 16297, 247G, 769G, 8297, 10186, 2706A, 2758G, 2885T, 3594C, 4104A, 4312C, 7028C, 7146A, 7256C, 7521G, 8468C, 8655C, 8701A, 9540T, 10398A, 10664C, 10680C, 10810T, 10873T, 10915T, 11719G, 11914G, 12705C, 13105A, 13276A, 13506C, 13650C, 14766C, 16129G, 16187C, 16189T, 16223C, 16230A, 16278C, 16311T	
I2833		54.8	17.9		0.28	M	H				M	H	263G 750G 1438G 4769G 8860G 11251N 15326G 16093C 16519C																		
LU339	LU339	37.4	-4.51 F	..	0.28	M	H				M	H	H3	Phylo Tree																	
BENZ 36		51.8	10.9		0.28	M	H				M	H	A16129G T16187C C16189T T16223C G16230A T16278C C16311T																		
BENZ 17		51.

Object-ID	Colloquial-Skeletal	Lat/lon	Lat/lon	Sex	mtDNA-c	mtDNA-f	mtDNA-haplogroup	mtDNA-Haplotree	mt-TF	mt-TF tree	mt-YF	FTDNA-mt-Haplotree	mt-Sin	mt-Sin-hG	HVS-I	HVS-IO	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-Haplotree	Y-Yfu SOGO2019	FTDNA-Y-Haplotree
56		50.2	81.8		0.15	H	H	Tree	H	Tree	H		H	H	CRS																	
48		50.2	81.8		0.15	H	H	Tree	H	Tree	H		H	H	CRS																	
Tyl18		54	91.6		0.15	H	H	Tree	H	Tree	H		H	H	16311C	1476C,7528C																
Tyl23		54	91.6		0.15	H	H	Tree	H	Tree	H		H	H	16311C	1476C,7528C																
Tyl20B		54.3	91.3		0.15	H	H	Tree	H	Tree	H		H	H	16304C	1476C,7528C																
Tyl61		54.7	90.8		0.15	H	H	Tree	H	Tree	H		H	H	16250T	1476C,7528C																
NOR10a		43.9	12.9	T	0.15	H*	H	Tree	H	Tree	H		H	H																		
NOR3b		43.9	12.9	M	0.15	H*	H	Tree	H	Tree	H		H	H																		
NOR10b		43.9	12.9	T	0.15	H*	H	Tree	H	Tree	H		H	H																		
NOR3a		43.9	12.9	T	0.15	H*	H	Tree	H	Tree	H		H	H																		
Turkijoke4		54.4	23.3	Mb	0.15	H	H	Tree	H	Tree	H		H	H																		
NOV_5	NOV_5	44.3	43.6		0.15	H+CRS	H	Tree	H	Tree	H		H	H	CRS																	
9		43.3	77.1		0.15	H	H	Tree	H	Tree	H		H	H	CRS																	
UE 3070		42	3.07	M	0.15	H	H	Tree	H	Tree	H		H	H	16126 16311																	
ARZ-T8		51.7	94.4	M	0.15	H	H	Tree	H	Tree	H		H	H	263G,311.1C,750G,14380,4769G,8860G,8901G,13482G,15326G,16519C																	
Gaveler43G		38.1	85.5	M	0.14	H	H	Tree	H	Tree	H		H	H	311																	
Gaveler42T		38.1	85.5	M	0.14	H	H	Tree	H	Tree	H		H	H	311																	
Gaveler41S		38.1	85.5	M	0.14	H	H	Tree	H	Tree	H		H	H	305T 311																	
LIAV32		40.8	16.4		0.14	H	H	Tree	H	Tree	H		H	H																		
LIAV40		40.8	16.4		0.14	H	H	Tree	H	Tree	H		H	H																		
LIAV33		40.8	16.4		0.14	H	H	Tree	H	Tree	H		H	H																		
uUMB142	MN687300	43	12.9	M	0.14	H	H	Tree	H	Tree	H		H	H	263G 315.1C 750G 1438G 4769G 7G	G2706A + T7YYfull																
uUMB141	MN687299	43	12.9	U	0.09	H*	H*	Tree	B*	Tree	H		H	H	263G 315.1C 750G 1438G 4769G 7G	G2706A + T7YYfull																
12242	CRI-103-ADN/BS4	41.5	2.13	F	168	0.14	H	Tree	H	Tree	H		H	H		HaploGrep2																
AG2-Yr-6		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
AG2-Yr-101		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
AG2-Yr-13		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
AJZ XV-Cz15		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
AG2-Yr-29		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
AJZ XA-f10		36.7	53.4		0.14	H	H	Tree	H	Tree	H		H	H																		
18		43.3	77.1		0.14	H	H	Tree	H	Tree	H		H	H	286 287																	
VA575		49.4	3.49	F	0.14	H	H	Tree	H	Tree	H		H	H																		
UE 14015		42	3.07	U	0.13	H	H	Tree	H	Tree	H		H	H	16287																	
SL 1967		42	3.07	U	0.13	H	H	Tree	H	Tree	H		H	H	16126																	
UE 15224		42	3.07	M	0.13	H	H	Tree	H	Tree	H		H	H	16126																	
Pugi-9613		42	3.07	M	0.13	H	H	Tree	H	Tree	H		H	H	16126 16311																	
UE 14119		42	3.07	U	0.13	H	H	Tree	H	Tree	H		H	H	16273																	
Pugi-1401		42	3.07	M	0.13	H	H	Tree	H	Tree	H		H	H	16126																	
S27	Tagar 7	54.3	90.9	F	0.13	H	H	Tree	H	Tree	H		H	H	CRS																	
R09	R09	47.2	39.7		0.13	H	H	Tree	H	Tree	H		H	H	CRS																	
Bet1151	Bet1151	49.3	86.2		0.13	H	H	Tree	H	Tree	H		H	H	CRS																	
Be_3	Be_3	49.3	86.2		0.13	H+CRS	H	Tree	H	Tree	H		H	H																		
K_1*	K_1*	49.4	87.6		0.13	H+CRS	H	Tree	H	Tree	H		H	H																		
19923	AT_77_Grave #31, Bu	50	92.1	F	272	0.13	H	Tree	H	Tree	H		H	H																		
66		50.2	51.2		0.13	H	H	Tree	H	Tree	H		H	H	150 189																	
UN39		49.7	1.74		0.12	H	H	Tree	H	Tree	H		H	H	H_CRS																	
UN100		49.7	1.74		0.12	H	H	Tree	H	Tree	H		H	H	H_16086-16223																	
UN114		49.7	1.74		0.12	H6 / H8	H6 / H8	Tree	H6 / H8	Tree	H		H6	H	H_16362																	
Yuanshao13		39.9	81.6		0.12	H	H	Tree	H	Tree	H		H	H	16311 16354																	
Yuanshao8		39.9	81.6		0.12	H	H	Tree	H	Tree	H		H	H	CRS																	
Yuanshao8		39.9	81.6		0.12	H	H	Tree	H	Tree	H		H	H	16126																	
GLN6-A		47.9	3.61 M 7		0.12	H	H	Tree	H	Tree	H		H	H																		
GLN127		47.9	3.61 M		0.12	H	H	Tree	H	Tree	H		H	H	H																	
GLN27-B		47.9	3.61 F		0.12	H	H	Tree	H	Tree	H		H	H	H_CRS																	
GLN16-B		47.9	3.61		0.08	H 7	H	Tree	H	Tree	H		H	H	H_CRS																	
GLN28-B		47.9	3.61		0.12	H/H1	H/H1	Tree	H/H1	Tree	H		H	H	H/H1_CRS																	
SCZ 73		31.8	35.2 U		0.12	H	H	Tree	H	Tree	H		H	H	H_CRS																	
1A		40.8	14.5 M		0.12	H	H	Tree	H	Tree	H		H	H	16399-A > G																	
SJLB M 12-14		40.8	14.5 M		0.11	H	H	Tree	H	Tree	H		H	H	CRS																	
1MAR2		40.5	0.28		0.11	H	H	Tree	H	Tree	H		H	H	CRS																	
S4		55.4	11.7		0.11	H	H	Tree	H	Tree	H		H	H	16172C,16311C																	
S6		55.4	11.7		0.11	H	H	Tree	H	Tree	H		H	H	16093C,16221T																	
S2		55.4	11.7		0.11	H	H	Tree	H	Tree	H		H	H	16189C																	
LB005		50.2	87.2 M		93	mr.73	H	Tree	H	Tree	H		H	H																		
B4		54.8	12 M		0.1	H	H	Tree	H	Tree	H		H	H																		
B6		54.8	12 M		0.1	H	H	Tree	H	Tree	H		H	H	CRS																	
K2	vlan.12 no 1	52.6	16.8		0.1	H	H	Tree	H	Tree	H		H	H	rCRS																	
R7	R ob. 11/99 ob. 24	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	rCRS																	
R5	R ob. 438 jar.68) Ime	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16183C, 16189C, 16356C																	
R4	R ob. 680 Ime 52/00	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16362C																	
R9	R ob. 45 56/99	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16183C, 16189C, 16356C																	
R10	R ob. 421 nr Ime. 68/9	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16129A																	
R8	R ob. 665 Ime 43/00	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16093C																	
R1	R ob. 29 28/99	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	rCRS																	
R2	R ob. 718 Ime. 77/00	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	16093C, 16129A, 16316G																	
R6	R ob. 96 11/99	53.1	18.7		0.1	H	H	Tree	H	Tree	H		H	H	rCRS																	
LRV 128	F252	40.8	16.3		0.1	H	H	Tree	H	Tree	H		H	H																		
LRV 146	F292	40.8	16.3		0.1	mr.73	H	Tree	H	Tree	H		H	H																		
S4		56.7	9.63 U		0.1	H	H	Tree	H	Tree	H		H	H	16311C																	
S3		56.7	9.63 F		0.1	H	H	Tree	H	Tree	H		H	H	16304C																	
S14		56.7	9.63 M		0.1	H	H	Tree	H	Tree	H		H	H	16263C,16319A																	
S5		56.7	9.63 F		0.1	H	H	Tree	H	Tree	H		H	H	16162G,16266T,16319A																	
S6		56.7	9.63 F		0.1	H	H	Tree	H	Tree	H		H	H	16299G																	
KA1	Karczyn ob.353 PET 9	52.7	18.4		0.09	H	H	Tree	H	Tree	H		H	H	16222T																	
JK2875		150.4	29.9	U	0.06	N	H*	Tree	B*	Tree	H		H	H																		
PS-1		43.3	3.97		0.09	H	H	Tree	H	Tree	H		H	H	rCRS																	
EKF 1717		48.3	11.9 M		0.09	(H)	H	Tree	H	Tree	H		H	H	16124C, 16224C, 16311C																	
EKF 1719		48.3	11.9 M		0.09	H	H	Tree	H	Tree	H		H	H	No difference to rCRS																	
EKF 1665		48.3	11.9 M		0.09	H	H	Tree	H	Tree	H		H	H	No difference to rCRS																	
QED-9	QED-9, ERS1389339	34.5	36.2 F		0.09	H	H	Tree	H	Tree	H		H	H																		
N12		54.6	-1.31		0.08	H	H	Tree	H	Tree	H		H	H	126, 293C. Reported as J.																	
N9		54.6	-1.31		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
A 57		48.2	11.7 U		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
A 78		48.2	11.7 F		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
A 82		48.2	11.7 F		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
Saal4d4		46.8	17.8 M		0.08	H	H	Tree	H	Tree	H		H	H	-																	
LHS239	MG182489	46.8	17.8		0.08	H	H	Tree	H	Tree	H		H	H	-																	
T-7		18.1	66.6 F		0.08	H (quality: 59)	H	Tree	H	Tree	H		H	H		HaploGrep 2.0 with Phylotree mtDNA tree Build 17															
AE 96		48.3	11.9 F		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
AE 468		48.3	11.9 U		0.08	H	H	Tree	H	Tree	H		H	H																		
AE 97		48.3	11.9 F		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
AE 1004		48.3	11.9 U		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
B48-53 (individual 2)		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B75		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B73		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B59		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B48		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B89		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B66		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B79		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B64		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B85		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B16		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B65		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B48-53 (individual 1)		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B71		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B70		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
B43		43.3	-2.99		0.08	H	H	Tree	H	Tree	H		H	H																		
mom7		45.1	7.5		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	P1:C752.16,PT5846/M118,Q1b1a.M1,Q1b1a1a1a1a.CT59559
AE 350		48.3	11.9 U		0.08	H	H	Tree	H	Tree	H		H	H																		
AE 349		48.3	11.9 F		0.08	H	H	Tree	H	Tree	H		H	H																		
AE 1241		48.3	11.9 F		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
CL25	COLDB2.AE001	45.1	7.58 F	7.96	0.08	H	H	Tree	H	Tree	H		H	H																		
LCC0L31	MG182508	45.1	7.59		0.08	H	H	Tree	H	Tree	H		H	H																		
LCC0L25	MG182506	45.1	7.59		0.08	H	H	Tree	H	Tree	H		H	H																		
pae4		45.1	7.5		0.08	H	H	Tree	H	Tree	H		H	H	362C																	
pae36		45.1	7.5		0.08	H	H	Tree	H	Tree	H		H	H	CRS																	
lasn9202		45.1	7.59		0.07	H	H	Tree	H	Tree	H		H	H	CRS																	
A4623		68.4	16.4 M		0.07	H*	H	Tree	H	Tree	H		H	H	16183C 16189C																	
rlv85		45.1	7.53		0.07	H	H	Tree	H	Tree	H		H	H	CRS																	
rlv70		45.1	7.53		0.07	H	H	Tree	H	Tree	H		H	H	CRS																	
rlv116		45.1	7.5		0.07	H	H	Tree	H	Tree	H		H	H	CRS																	
CP104		41.3	17.5 F		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP106		41.3	17.5 F		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP24		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP34		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP31		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP61		41.3	17.5 F		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP68		41.3	17.5 F		0.09	H	H	Tree	H	Tree	H		H	H	rCRS 7028C																	
CP12		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	16093C, 7028C																	
CP109		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	16093C, 16 7028C																	
CP46		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	16206T, 16 7028C																	
CP47		41.3	17.5 M		0.09	H	H	Tree	H	Tree	H		H	H	16075C 7028C																	
A1645		59.6	7.88 U		0.06	H*	H	Tree	H	Tree	H		H	H	16189C																	
A4566		62.6	10.3 U		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A4564		62.6	10.3 U		0.06	H*	H	Tree	H	Tree	H		H	H	16218T																	
A7432		63.4	11.4 FT		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A3707*		65.1	12.8 M		0.06	H*	H	Tree	H	Tree	H		H	H	16293G																	
A4460*		65.3	12.5 U		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5187		66.9	14.4 F		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A4512		67.3	14.8 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A4511		67.3	14.8 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A4638		67.3	15.5 U		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5642		67.8	15.8 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5864A		68.1	13.3 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5864B		68.1	13.3 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5861*		68.1	13.3 M		0.06	H*	H	Tree	H	Tree	H		H	H	CRS																	
A5863B		68.1	13.3 M		0.06	H*	H	Tree	H	Tree	H		H	H	16153A 16189C 16304C																	
VFBper264		46.7	17.3		0.04	H	H*	Tree	H*	Tree	H		H	H	263G 750G 8860G 263G 750G																	
VFBper296		46.7	17.3		0.04	H	H*	Tree	H*	Tree	H		H	H	263G 750G 3148dT 16282C 16292G 263G 750G																	
SardoFemur 2		42.5	-0.67		0.06	H	H	Tree	H	Tree	H		H	H	16291T																	
SardoRib 1		42.5	-0.67		0.04	H7	H7	Tree	H7	Tree	H		H	H	CRS																	
SardoFemur 5		42.5	-0.67		0.06	H	H	Tree	H	Tree	H		H	H	16069T, 16126C, 16300G																	
SardoFemur 4		42.5	-0.67		0.04	H7	H7	Tree	H7	Tree	H		H	H	CRS																	
Guanche58		27.7	-18		0.06	H	H	Tree	H	Tree	H		H	H	16111, 70254A-G (-)																	
Guanche57		28.2	-17.3		0.06	H	H	Tree	H	Tree	H		H	H	16067, 70254A-G (-)																	
Guanche31		28.5	-16.3		0.06	H	H	Tree	H	Tree	H		H	H	16111, 70254A-G (-)																	
Guanche30		28.5	-16.3		0.06	H	H	Tree	H	Tree	H		H	H	16111, 70254A-G (-)																	
Guanche27		28.5	-16.3		0.06	H	H	Tree	H	Tree	H		H	H	CRS, 70254A(L)																	
Guanche29		28.5	-16.3		0.06	H	H	Tree	H	Tree	H		H	H	16278, 70254A-G (-)																	
Guanche28		28.5	-16.3		0.06	H	H	Tree	H	Tree	H		H	H	CRS, 70254A(L)																	
S11		48.3	18.1		0.06	H	H	Tree	H	Tree	H		H	H	16129G 16187C 16189T 16223C 16230A 16278C 16311T																	
S3		48.3	18.1		0.06	H	H	Tree	H	Tree	H		H	H	16129G 16187C 16189T 16223C 16230A 16278T 16311T																	
Ca5		48.4	18		0.06	H	H	Tree	H	Tree	H		H	H	16129G 16187C 16189T 16223C 16230A 16278T 16311T																	
Ca2		48.4	18		0.06	H	H	Tree	H	Tree	H		H	H	16129G 16187C 16189G 16189T 16223C 16230A 16278C 16311T																	
Pian5		53.2	18.2		0.06	H	H	Tree	H	Tree	H		H	H	7028C CRS																	
Pian10		53.2	18.2 F		0.06	H	H	Tree	H	Tree	H		H	H	7028C CRS																	
Pian9		53.2	18.2		0.06	H	H	Tree	H	Tree	H		H	H	7028C CRS																	
G3	Grave A6J	55.5	10.5 FT		0.05	H	H	Tree	H	Tree	H		H	H	16093C,16210G,16222T,16255A																	
G10	Grave AQP	55.5	10.5 F		0.05	H	H	Tree	H	Tree	H		H	H	16157C,16304C																	
G8	Grave BFQ	55.5	10.5 F		0.05	H	H	Tree	H	Tree	H		H	H	16174T																	
G4	Grave ANO	55.5	10.5 MT		0.05	H	H	Tree	H	Tree	H		H	H	16213A																	
G2	Grave ALZ	55.5	10.5 M		0.05	H	H	Tree	H	Tree	H		H	H	16278T																	
5864A		68.1	13.3 M		0.05	H*	H	Tree	H	Tree	H		H	H	rCRS																	
5861		68.1	13.3 M		0.05	H*	H	Tree	H	Tree	H		H	H	rCRS																	
5863B		68.1	13.3 M		0.05	H*	H	Tree	H	Tree	H		H	H	16153A, 16189C, 304C																	
5864B		68.1	13.3 M		0.05	H*	H	Tree	H	Tree	H		H	H	rCRS																	
W51		52.6	1.3		0.05	H	H	Tree	H	Tree	H		H	H	CRS																	
W51		52.6	1.3		0.05	H	H	Tree	H	Tree	H		H	H	16221																	
W21		52.6	1.3		0.05	H	H	Tree	H	Tree	H		H	H	16222																	
W22		52.6	1.3		0.05	H	H	Tree	H	Tree	H		H	H	16162G																	
W27		52.6	1.3		0.04	H7	H7	Tree	H7	Tree	H		H	H	16126C Reported as J																	
W37		52.6	1.3		0.04	H7	H7	Tree	H7	Tree	H		H	H	16129C Reported as J																	
W9		52.6	1.3		0.04	H7	H7	Tree	H7	Tree	H		H	H	16224C, 16293G, 16311C Reported as K																	
BBJper79		48.1	21.7		0.04	H	H*	Tree	H	Tree	H		H	H	263G 750G 3184T 3357A 9908T 120 263G 750G																	
Sven		55.7	12.1 M		0.05	H	H	Tree	H	Tree	H		H	H	7028C																	
LN330mt	SD53, MK039745.1	51.4	-0.1 F		0.05	H	H*	Tree	H*	Tree	H		H	H																		
Radom02	301/96	51.4	21.2 M		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom16	165/96	51.4	21.2 F		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom09	292/96 (osobnik 3)	51.4	21.2		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom23	287/96 (osobnik 1, de	51.4	21.2 F		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom3	13/96 (osobnik 1)	51.4	21.2 M		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom19	177/96	51.4	21.2 F		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom21	289/96 (osobnik 1)	51.4	21.2 M		0.05	H	H	Tree	H	Tree	H		H	H																		
Radom25	145/96 (osobnik 1)	51.4	21.2 F		0.05	H	H	Tree	H	Tree	H		H	H																		
A3135		55.7	12		0.05	H	H	Tree	H	Tree	H		H	H	7028C																	
A346/X6		55.7	12 M		0.05	H	H	T

| Object-ID | Colloquial-Skeletal | Lat(lon) | Lat(lon) | Sex | mtDNA-Lev | mtFMS | mtDNA-haplogroup | mtDNA-Haplotree | mt-FT-mtree | mt-YF-FTDNA-mt-Haplotree | mt-Sin-ht-5 | HVS-I | HVS-II | HVS-NO | mt-SNPs | Responsible | Y-DNA | Y-New | SNP-positive | SNP-negative | SNP-dubious | NRY | Y-FAS | Y-Simple | YTree | Y-Haplotree | Y-Haplotree | Y-FTDYfull | Y-Yfu SOGO2019 | FTDNA Y-Haplotree | Y-Sym | Y-Symbol | Responsible-SN | SNPs | Autosms Damage-R | Assessme | Kinship-Notes | Source | Method-Date | Date | Mean | CalBC_top | CalBC_bot | Age | Simplified_Culture | Culture_Grouping | Label | Location | SiteID | Country |
|---|---|---

Object-ID	Colloquial-Shelfmark	Lat	Lon	Sex	mtDNA-Cons	mtFamilyID	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-FT-Haplotype	mt-Sin-hs5	HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Simple	YTree	Y-Haplotree	Y-Haplotree-2	Y-FTD-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
LBK001	BR 20bis	43.7	6.99 F	--	0.26	HV0b+195	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV															
V77		43.3	1.2	--	0.24	HV0-T195C!	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV			Haplofind and Phy-Mer, Phylotree build17												
BA64	Ballynahatty	54.5	-5.95 F		0.2	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV															
Bally	bally	54.5	-5.96 F		0.2	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV															
BM44	MH0350421	42.4	25.6		0.16	HV0	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV															
A84	Armaghkeen84	53.5	-6.19 F		0.14	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!			HV0	HV															
I10512	Perda-1	39.7	9.43 F		802.9	0.12	HV0+195C!	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV															
I14112	Lovoisice 2, 28	50.5	14.1 F			0.1	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV															
I13879	HG-E10	41.3	1.59 F		364.7	0.08	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV			HaploGrep2												
I8338	10-SU-28-D1-E-15	42.1	3.11 F		107	0.07	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV			HaploGrep2												
PCA0094	MH682650	50.7	23.9 M			0.07	HV0-T195C!	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV		A127SG													
PCA0094	MH682644	50.7	23.9 F			0.07	HV0-T195C!	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV		A127SG													
I3982	Tumba 7	37.2	-3.61 F			0.06	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV			HaploGrep2												
LHC238	MG182488	46.8	17.8			0.05	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV															
I1712	KH150855	55.4	10.4 M			0.02	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV															
I124	KH150922	55.4	10.4 M			0.02	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!		HV0	HV															
I3490	S-V4-9674	41.7	-3.87 F		462.1	0.06	HV0b	HV0b	HV0b-T195C!-T263C!+V61b		R0	HV0b			HaploGrep2												
I51	I51 6443	51.5	-0.07			0.19	HV0b	HV0b	HV0b-T195C!-T263C!+V61b		R0	HV0b															
LE13mt	6443, MH0396411	51.5	-0.07 M			0.19	HV0b	HV0b*	HV0b-T195C!-T263C!+V61b		R0	HV0b*			CZ38T												
CBW 1		51.7	11.5			0.19	HV0e	HV0e	HV0e-T195C!-T263C!+V61b		HV0	HV0e			HaploGrep2												
Mok31	28B	45.9	20.4 F			0.1	HV0e	HV0e	HV0e-T195C!-T263C!+V61b		HV0	HV0e															
I3313	JA21, Trench D, Grave	43.9	16 F		635.1	0.08	HV0e	HV0e*	HV0e-T195C!-T263C!+V61b		HV0	HV0e*															
I3578	sepultura 29	37.3	-4.01 F		281	0.47	HV0f	HV0f	HV0f-T195C!-T263C!+V61b		HV0	HV0f			HaploGrep2												
LE112mt	B379, MH2092626	51.5	-0.07 U			0.02	HV0+195	HV0-T105C!	HV0-A-T195C!-T263C!-T462C-T1256C!		HV0	HV			T12354C	YFull											
LG38mt	10218, MH2596741	51.5	-0.07 M			0.02	HV	HV0-T105C!	HV0-A-T195C!-T263C!-V61b-T462C-T1256C!		HV0	HV			T12354C	YFull											
Mnola16		41.3	-2.53			0.31	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1		A16129G T16187C C16189T T16223C G16230A T16278C T16298C C16311T												
CB7004	Grave 4, 405-1224	40	34.6 F			0.32	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1		263G 750G 5147 252T 310.1C 513.1CA 3106N 3107C 15562G 16292T 16519C 16569N												
L31	L31, Lima fragment	47	30			0.2	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1		702BT, 1606T!, 16193T													
NO20		43.9	12.9			0.15	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1															
No 77		43.9	26.9			0.07	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1		005 067													
AS3n		61.6	130 F			0.01	HV1	HV1	HV1-T195C!-T263C!+V61b		HV1	HV1															
SM24-2	MH650227.1	42.6	26.4			0.29	HV1a/3/5	HV1a/3/5*	HV1a-T195C!-T263C!+V61b		HV1	HV1a/3/5*		152C 263G 750G 1438G 2706G 3316G													
Pal-10			37.6 13.8		95.58	0.27	HV1a	HV1a	HV1a-T195C!-T263C!+V61b		HV1	HV1a			Phylotree Build 17												
KDO002	KDO002.AD01,BZ6K	43.4	43.7 F			0.38	HV1a1	HV1a1	HV1a-T195C!-T263C!+V61b+V64!+V65!+V146!		HV1	HV1a1			Unspecified												
arm46	Qarashamb-8, tomb 740,4	44.6			0.37	HV1a1	HV1a1	HV1a1-T195C!-T263C!+V61b+V64!+V65!+V146!			HV1	HV1a1			CZ107 > CZ107YuE												
BEpar106		48.1	21.7		0.31	HV1a1a	HV1a1a*	HV1a1a-T195C!-T263C!+V61b+V64!+V65!+V146!		150T 263G	HV1	HV1a1a*		204C 573.1C 3263A 7789A	Y6485												
arm32	Nerqin Gatashen; 47	40.2	45.3		0.31	HV1a2	HV1a2	HV1a2-T195C!-T263C!+V61b+V64!+V65!+V146!			HV1	HV1a2			G4936A	YFull											
LPH912	MG182456	41.3	-2.53		0.31	HV1a2	HV1a2	HV1a2-T195C!-T263C!+V61b+V64!+V65!+V146!			HV1	HV1a2															
JK2979		1594	29.9	31.2		3	HV1a2a	HV1a2a	HV1a2a-T195C!-T263C!+V61b+V64!+V65!+V146!+V152!		HV1	HV1a2a															
JK2872		1516	29.9	31.2	M	3	HV1a2a	HV1a2a*	HV1a2a-T195C!-T263C!+V61b+V64!+V65!+V146!+V152!		HV1	HV1a2a*															
R133	RMPR-133	41.9	12.5 F			0.27	HV1a3	HV1a3	HV1a3-T195C!-T263C!+V61b+V64!+V65!		HV1	HV1a3			Haplogrep (v2.1.20)												
JK2987		1630	29.9	31.2		0.15	HV1a3/5	HV1a3/5*	HV1a3-T195C!-T263C!+V61b		HV1	HV1a3/5*			YFull												
JK2907		1577	29.9	31.2	M	0.13	HV1a3/5	HV1a3/5*	HV1a3-T195C!-T263C!+V61b		HV1	HV1a3/5*															
I2057	QED-7, ERS1839334	34.5	36.2 F			0.11	HV1b	HV1b	HV1b-T195C!-T263C!+V61b		HV1	HV1b			HV1b-server												
JK2896		1580	29.9	31.2		0.28	HV1b2	HV1b2	HV1b2-T195C!-T263C!+V61b+V64!+V65!+V146!+T152C!+V152!		HV1	HV1b2			HaploGrep 2												
rsp007		57.6	18.7 M			0.25	HV12	HV12	HV12-T195C!-T263C!+V61b+V146!		HV12	HV12															
I11039	Gonur tomb 5230, ob	36.2	62 F		11.06	0.1	HV12b1	HV12b1	HV12b1-T195C!-T263C!+V61b+V146!		HV12	HV12b1															
I3102	Gonur 2005 Area 10 p	36.2	62 F		11.2	0.1	HV12b1	HV12b1	HV12b1-T195C!-T263C!+V61b+V146!		HV12	HV12b1															
arm21	Karagagh #17	40.3	45.2			0.1	HV12b1	HV12b1	HV12b1-T195C!-T263C!+V61b+V146!		HV12	HV12b1			T16356C	YFull											
ZGLK_M44G		38.3	85.3		132.689	0.13	HV12	HV12*	HV12-T195C!-T263C!+V61b+V146!		HV12	HV12*															
I17473	SG8b	21.1	30.7 F			0.13	HV13a	HV13a	HV13a-T195C!-T263C!+V61b+V146!		HV13	HV13a															
I4635	SIPx154, site 6, grave	38.3	56.2 F		284.1	0.61	HV13b	HV13b	HV13b-T195C!-T263C!+V61b+V146!		HV13	HV13b															
I12478	MO3321, ID 10-22	37.2	61 F		9.501	0.59	HV13b	HV13b	HV13b-T195C!-T263C!+V61b+V146!		HV13	HV13b															
I4229	LLC PK-001, Parkhai,L	38.3	56.2 F		210	0.59	HV13b	HV13b	HV13b-T195C!-T263C!+V61b+V146!		HV13	HV13b															
I5171	Gonur 2006 Area 13 p	38.2	62 F		7.72	0.47	HV13b	HV13b	HV13b-T195C!-T263C!+V61b+V146!		HV13	HV13b															
I5542	LLC ST-014, Sappali Te	37.4	66.8 F		314	0.44	HV13b	HV13b	HV13b-T195C!-T263C!+V61b+V146!		HV13	HV13b															
I12146	Grave 146, Individual	34.8	73.3 F		0.16	HV18	HV18	HV18-T195C!-T263C!+V61b+V146!			HV18	HV18															
I12987	Grave 90, single buria	34.8	72.4 F		359.9	0.16	HV18	HV18	HV18-T195C!-T263C!+V61b+V146!		HV18	HV18															
NL91218_MT		43.6	82.5		460.859	3	C4a2c	HV18	HV18-T195C!-T263C!+V61b+V146!		HV18	HV18*															
PCA0018	174, ob. 336	52.6	16.8 M			0.5	HV18	HV18	HV18-T195C!-T263C!+V61b+V146!		HV18	HV18															
SPL_NO05		37	79.9		297.16	0.63	HV5	HV*	HV-T195C!-T263C!+V61b+V146!+V308!		HV18	HV*															
I7414	LLC ST-007, Sappali Te	37.4	66.8 F		78.5	0.13	HV	HV3	HV-T195C!-T263C!+V61b+V146!		HV3	HV3			T5087C	YFull											
MTpar207		47	21.6			0.05	HV6	HV4*	HV-T195C!-T263C!+V61b+V146!		HV4	HV		263G 750G 6T 4944G 8860C	6T 263G 750GYFull												
A4006		61.4	11.6 M			0.08	HV4a	HV4a	HV-T195C!-T263C!+V61b+V146!		HV4	HV4a		152.35A 16221T													
Mummy98 Vai (2/7)		47.8	19.1			0.01	HV4a	HV4a	HV-T195C!-T263C!+V61b+V146!		HV4	HV4a		CZ21T													
AdnD02	TGBTAK-849	38.3	34.2 F		3.04624	0.4	HV4a	HV4a	HV-T195C!-T263C!+V61b+V146!		HV4	HV4a			YFull												
cb127	TGBTAK-686	37.7	32.8 F		6.07273	3	U1a1b	HV7	HV-T195C!-T263C!+V61b+V146!		HV7	HV			YFull												
LR221	Gonur 2003 tomb 300	38.2	62 F			0.37	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV															
OK66-1	Chiin-Kurin-Gol-6	49.2	89.3 F			0.21	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV															
I7206	Bar_12	49.3	86.2			0.21	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV															
OK66-2	Chon Kurin Gol	49.2	89.3 F			0.21	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV															
I2972		48.3	57.5 M			HV2	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV		16217C 7028T													
SA-08-AX2-36-40		37.7	30.5			0.07	HV2	HV2	HV-T195C!-T263C!+V61b+V146!		HV2	HV2		16217 72-73-152-195-263													
TGB_NO-4	-	48.1	86.4		427.801	0.75	HV2a	HV2a	HV2a-T195C!-T263C!+V61b+V146!		HV2	HV2a															
TGB_NO-3	-	48.1	86.4		459.093	0.79	HV2a1	HV2a1	HV2a1-T195C!-T263C!+V61b+V146!		HV2	HV2a1															
Armenia-1	I-H250	54.7	103 F			0.31	HV2a2	HV2a2	HV2a2-T195C!-T263C!+V61b+V146!		HV2	HV2a2															
I7200	Grave 84 (2)	50.1	14.4 F		272	0.31	HV2a3	HV2a3	HV2a3-T195C!-T263C!+V61b+V146!		HV2	HV2a3															
I6067	skeleton 127-M1	52.7	51.7 F		110.436	0.31	HV2a3	HV2a3*	HV2a3-T195C!-T263C!+V61b+V146!		HV2	HV2a3*															
Xiashe_M125		40.2	88.4		162.057	0.25	C4	HV2b*	HV2b-T195C!-T263C!+V61b+V146!		HV2	HV2b*															
I3884	D Nn 59, Kurgan 4, G	50.3	51.4 F		340.7	0.84	R1b1a	R1b1a	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
I11521	LC-BST-012, Site 4, Gr	37.7	67 F		285.4	0.82	R1b1a	R1b1a	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
arm39	Nerqin Gatashen; 45	40.2	45.3			0.8	R1b1a	R1b1a	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
NLIUKT_M22		43.5	83.3		361.774	0.56	R1b1a	R1b1a	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
YE_M3	-	42.9	92.8		358.669	0.11	M51b	R1b1a	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
HZY_M-1	-	43.6	93		389.96	3	DHGa1a1	R1b1a*	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
HZY_KS-1	-	43.6	93		457.901	0.35	V8	R1b1a*	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a															
AYTH_TZM22C		48.1	86.4		232.195	0.41	T2e1a	R1b*	R1b1a-T195C!-T263C!+V61b+V146!		R1	R1b1a*															
JK2885		1516	29.9	31.2		0.07	R2'T	JT	HV-T195C!-T263C!+V61b+V146!		JT	JT*															
JK2887		1568	29.9	31.2	M	0.07	J1a1a1	JT*	HV-T195C!-T263C!+V61b+V146!		JT	JT*															
ADH0135	NS.13.Burial 341,ADH	35.7	34.6 F		0.07	JT	JT	HV-T195C!-T263C!+V61b+V146!			JT	JT															
ari1MB079	MN687309	43	12.9 U		0.05	JT	JT	HV-T195C!-T263C!+V61b+V146!			JT	JT															
Ciangede5		46.5	19.9		0.01	JT	JT	HV-T195C!-T263C!+V61b+V146!			JT	JT															
HGH-1701		53.9	10.7 F		0.01	JT	JT	HV-T195C!-T263C!+V61b+V146!			JT	JT															
I171	R76	30.3	79.7		0	JT	JT	HV-T195C!-T263C!+V61b+V146!			J	J															
LEC1		44.5	54.1		0.46	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
AF3		36.8	5.06		0.44	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
CAS.203		42.6	-2.19		0.42	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
CAS.170		42.6	-2.19		0.42	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
I5585	M11-59	40.3	29.6 F	--	0.28	J1 or J1c	J1c	HV-T195C!-T263C!+V61b+V146!			J1c	J1c															
BANE14	1495	46.2	18.7 F		0.26	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
SEE1		52.9	11.8		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
SEE115		46	18.5		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
DEB 26		51.9	10.9 M?		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
DEB 375		51.9	10.9 F		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
DEB 30		51.9	10.9 F?		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
NAU 1		51.3	11.7		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
KAR 1		51.3	11.7		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
UWS 8b		51.7	11.5		0.25	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
NOVD 2	62-	46.8	18.9 U		0.24	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															
BSZ 9	771-	46.8	17.9 M		0.24	J	J	HV-T195C!-T263C!+V61b+V146!			J	J															

mt-Sin-hs5	HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Simple	YTree	Y-Haplotree	Y-Haplotree-2	Y-FTD-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
HV0	HV															
HV0	HV			Haplofind and Phy-Mer, Phylotree build17												
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV			HaploGrep2												
HV0	HV			HaploGrep2												
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV			HaploGrep2												
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV															
HV0	HV		

| Object-ID | Colloquial-Skeletal | Lat(lun) | Long | Sex | mtDNA-c.mtFA | mtDNA-haplogroup | mtDNA-Haplotree | mt-FT.mtree | mt-YF-FTDNA-mt-Haplotree | mt-Sin-ht-5 | HVS-I | HVS-NO | mt-SNPs | Responsible | Y-DNA | Y-New | SNP-positive | SNP-negative | SNP-dubious | NRY | Y-FAX | Y-Simple | YTree | Y-Haplotree | Y-Haplotree | Y-FTD | YFull | Y-Yfu | ISOGG2019 | FTDNA-Y-Haplotree | Y-Sym | Y-Symbol | Responsible-SN | SNPs | Autosms | Damage-R | Assessme | Kinship-Notes | Source | Method-Date | Date | Mean | CalBC_top | CalBC_bot | Age | Simplified_Culture | Culture_Grouping | Label | Location | SiteID | Country |
|---|---|---

Object-ID	Colloquial-Skeletal	Lat/Lon	Length	Sex	mtDNA-c-rmsd	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-FT-FTDNA-mt-Haplotree	mt-Sin	mt-S-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FTDYfull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
I12488	MOS296, JE-10-47	37.2	61 F	..	0.19	R2+13500	R2-T13500C	haplogroup R2+13500	R2-T13500C	R2	R			..												
I14458, I14459	E44_Co_644_Da	37.2	61		0.23	R2b	R2b	haplogroup R2b	R2b	R2	R			..												
I14464		38.3	85.3		278.18	0.08	R2-T13500C*	R2-alt*	R2-T13500C*	R2	R				Y-null											
I11479	423, IRW Grave 4, Pee	30.6	61.4 F			0.17	R30b	R30b	haplogroup R30b	R30	R			..												
I12381	Grave 105, Individual	34.8	72.4 F		377	0.15	R30b1	R30b1	haplogroup R30b1	R30	R			..												
I9734	BKG12E, Feature 48, I	34.8	72.4 F		54.2	0.1	R30b1	R30b1	haplogroup R30b1	R30	R			..												
Kolsar14		43.7	43.5 U			0.07	R6	R6	haplogroup R6	R6	R															
SK35		37.8	41.4 F			0.06	R6	R6	haplogroup R6	R6	R															
Radom11	B1766	51.4	21.2 U			0.02	HV1b1 or R6	R6	haplogroup R6	R6	R															
Rathnus133	KH130152	54.5	9.62 M			0.02	R6	R6	haplogroup R6	R6	R															
Cathedral Arch 2391	KH130060	55.3	8.77 F			0.02	R6	R6	haplogroup R6	R6	R															
QB72	Friar Guillaume de St	35.5	75.9 M			Rba	R6a	R6a	haplogroup R6a	R6	R															
Rathnus203	KH130183	54.5	9.62 M			0.02	R7	R7	haplogroup R7	R7	R															
Rathnus114	KH130147	54.5	9.62 M			0.02	R7	R7	haplogroup R7	R7	R															
Rathnus20	KH130119	54.5	9.62 F			0.02	R7	R7	haplogroup R7	R7	R															
G232	KH150078 PB	55.8	9.72 F			0.02	R8	R8	haplogroup R8	R8	R															
Cathedral Arch 2391	KH150071	55.3	8.77 M			0.02	R8	R8	haplogroup R8	R8	R															
I10	Longbeach2,Longbeac	26.3	120 F			0.2	R9	R9	haplogroup R9	R9	R			Bayesian ana	LaranaPMA52021											
I10	Th248	19.5	98.2 M			0.05	R9	R9	haplogroup R9	R9	R				unknown (cannot locate in paper what method they used to determine haplogroup)											
DSG-1	DSG-1	28	104			0.03	R9	R9	haplogroup R9	R9	R															
LOE_1988:210.03		52.3	104 M			0.22	F	F	haplogroup R+Inv	F	F															
LOE_1988:264.01		52.3	104 M			0.22	F	F	haplogroup R+Inv	F	F															
LOE_1988:218.01		52.3	104 M			0.22	F	F	haplogroup R+Inv	F	F															
LOE_1988:264.02		52.3	104 M			0.22	F	F	haplogroup R+Inv	F	F															
KUR_2003:024		53.1	107			0.22	F	F	haplogroup R+Inv	F	F	2324:249 304 311														
KUR_2003:022		53.1	107			0.22	F	F	haplogroup R+Inv	F	F	2324:249 304 311														
KUR_2003:019		53.1	107 M			0.14	F	F	haplogroup R+Inv	F	F				Other (L914 SNP)	Other (L914 SNP)										
KUR_2002:014		53.1	107			0.14	F	F	haplogroup R+Inv	F	F	2324:249 304 311														
KUR_2002:016		53.1	107			0.14	F	F	haplogroup R+Inv	F	F	2324:249 304 311														
MA35	M141R3	35.8	104 U			0.12	F	F	haplogroup R+Inv	F	F															
MA31	M111784	35.8	104 U			0.12	F	F	haplogroup R+Inv	F	F															
TSBL_BA_KM03582		42.8	93.5 F			0.11	F	F	haplogroup R+Inv	F	F	093:169-183C:189-304	10400C, 3970T													
R4		35.5	111			0.09	F	F	haplogroup R+Inv	F	F	136, 183C, 10400C, 12705C, 3970T			-												
R4		35.5	111			0.09	F	F	haplogroup R+Inv	F	F	124, 183C, 10400C, 12705C, 3970T			-												
MX039		35.5	111			0.09	F	F	haplogroup R+Inv	F	F	92, 207, 3D:10400C, 12705C, 3970T			-												
MS147		35.5	111 M			0.09	F	F	haplogroup R+Inv	F	F	261 3D:10400C, 12705C, 3970T			-												
MS124		35.5	111 F			0.09	F	F	haplogroup R+Inv	F	F	108, 129, 3D:10400C, 12705C, 3970T			-												
MX099		35.5	111 F			0.09	F	F	haplogroup R+Inv	F	F	126, 162, 3D:10400C, 12705C, 3970T			-												
X746		36.7	102 F			0.05	F	F	haplogroup R+Inv	F	F	111-129-266-304														
X740		36.7	102 M			0.05	F	F	haplogroup R+Inv	F	F	111-129-266-304														
X738		36.7	102 M			0.05	F	F	haplogroup R+Inv	F	F	111-129-266-304														
Xianbei3		41.7	121			0.05	F	F	haplogroup R+Inv	F	F	126, 195, 205, 270, 291, 304	10400C, 3970T													
ZY61		47.9	104 F			0.08	F	F	haplogroup R+Inv	F	F	203-256-291-304														
MGM45	..	34.8	113 F		70.70	0.21	F1	F1	haplogroup R+Inv	F1	F															
Gaveri511Aa		38.1	85.5 M			0.09	F1	F1	haplogroup R+Inv	F1	F	rCRS														
Gaveri42G		38.1	85.5 F			0.09	F1	F1	haplogroup R+Inv	F1	F	rCRS														
Gaveri22A		38.1	85.5 M			0.09	F1	F1	haplogroup R+Inv	F1	F	rCRS														
Gaveri42F		38.1	85.5 F			0.09	F1	F1	haplogroup R+Inv	F1	F	114A 187 192 256 266 304 357														
ZAR022	AT-271	48.2	104 F			0.02	F1	F1	haplogroup R+Inv	F1	F															
VI744	19744	21	107 U			0.17	F1a/CT	F1a/CT	haplogroup R+Inv+Eu1a/CT	F1	F	unknown (cannot locate in paper what method they used to determine haplogroup)														
Gaveri45D		38.1	85.5 M			0.13	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	129 172 293 304														
VI761	20781, 76.NN.M14	19.8	106 F			0.12	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	126 162 172 304														
Y7		37	80.1 U			0.1	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F															
6C	Th238	19.5	98.2 M			0.1	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	126, 172, 209, 304	10400C, 3970T													
Xianbei11		41.7	121			0.09	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	126, 162, 172, 304	10400C, 3970T													
Xianbei14		41.7	121			0.09	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	124, 162, 172, 286, 304	10400C, 3970T													
Xianbei17		41.7	121			0.09	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F															
YN2_37.777	YN2_777	39.9	98.2			0.09	F1a	F1a	haplogroup R+Inv+Eu1a/Eu1a	F1	F	unknown (cannot locate in paper what method they used to determine haplogroup)														
VI777	20777, 89.MDD.M5+N	20.4	105 F			0.14	F1a1'4	F1a1'4	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4	F1	F															
GUN002	AT-780	42.9	106 F			0.04	F1a1	F1a1	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4	F1	F															
LM64		36.5	102 F	39.2484	0.22	F1a1a	F1a1a	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4+Eu1a1a		F1	F	unknown (cannot locate in paper what method they used to determine haplogroup)														
I6651	17661, NA	4.65	96.9 F			0.11	F1a1a	F1a1a	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4+Eu1a1a	F1	F															
I3728	M125-L2A + M125-L2	24.3	122 F		112	0.12	F1a1a (91.6%)	F1a1a	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4+Eu1a1a	F1	F	730 2636! 750G 1438G 2706G 3970T 4086T 4769G 6392C 6962A 7028T 8149G 8860G 9053A 9548A 10310A 10609C 11719A 12406A 12882T 13759A 13928C 14020D 14766T 15326G 16108T 16129A 16182G 16172C 16304C														
I8619	M80	24.3	122 F			0.96	F1a1a1	F1a1a1	haplogroup R+Inv+Eu1a/Eu1a+Eu1a4+Eu1a1a+Eu1a1	F1	F															
Y1–M4	M4	36.7	102		215.37	0.06	F4a1a	F4a1a	haplogroup R+Inv+Eu4/Eu4+Eu4a1	F4	F															
HUTM115		33.6	114 F		351.764	0.24	F4a2	F4a2	haplogroup R+Inv+Eu4/Eu4+Eu4a2	F4	F															
Tanshishan_M26		26.2	119		34	0.26	F4b (84.9%)	F4b	haplogroup R+Inv+Eu4/Eu4b	F4	F	730 2636! 750G 1438G 2706G 3970T 4769G 5263T 6392C 6653T 7028T 8020A 8575T 8603C 8860G 10310A 11719A 12630A 12928C 14766T 15326G 15670C 16218T														
VI739	19739	21	107 M			0.27	F4b	F4b	haplogroup R+Inv+Eu4/Eu4b	F4	F	unknown (cannot locate in paper what method they used to determine haplogroup)														
I3617	M49	24.3	122 F		258	0.14	F4b1	F4b1	haplogroup R+Inv+Eu4/Eu4b+Eu4b1	F4	F															
I15339	M196-1	24.3	122 F		8.403	0.14	F4b1	F4b1	haplogroup R+Inv+Eu4/Eu4b+Eu4b1	F4	F															
I14926	M86-1	24.3	122 F		27.49	0.14	F4b1	F4b1	haplogroup R+Inv+Eu4/Eu4b+Eu4b1	F4	F															
LaynX001		24.1	108 M		158	0.08	R9b1a0 (90.39%)	R9b1a0	haplogroup R9b+Eu9+Eu9b+R9b1a0	R9	R	730 2636! 750G 1438G 2706G 3970T 4769G 6815C 7028T 8860G 10310A 11719A 12714C 12928C 14766T 15326G 16189T 16362X 16390A														
Qihe2		25.4	118		152	0.08	R9b1b (93.59%)	R9b1b	haplogroup R9b+Eu9+Eu9b+R9b1b	R9	R	730 2636! 750G 1438G 2706G 3970T 4769G 7028T 8860G 11002G 11719A 12618A 12928C 14766T 15326G 16157C														
QinzhongEH14		24.1	108 M		268	0.08	R9b1b (98.22%)	R9b1b	haplogroup R9b+Eu9+Eu9b+R9b1b	R9	R	730 2636! 750G 1438G 1541C 2322A 2706G 3970T 4769G 7028T 8860G 11719A 12714C 12928C 14766T 15326G 16124C 16148T 16304C 16309G 16390A														
HuaiyuanML18		25.1	108 M		452	0.08	R9b1b (97.17%)	R9b1b	haplogroup R9b+Eu9+Eu9b+R9b1b	R9	R	730 2636! 750G 1438G 1541C 2322A 2706G 3970T 4769G 7028T 8860G 11719A 12714C 12928C 14766T 15326G 16124C 16148T 16304C 16309G 16390A														
I8825	M77- L0	24.3	122 F		311	0.38	R9b1b2	R9b1b2	haplogroup R9b+Eu9+Eu9b+R9b1b2	R9	R															
Xitouxun_M26		26.2	119		18	0.14	R+16189C (76.45%)	R-T16189C!	haplogroup R+Inv+Eu1b/R+Eu1b1/R-T16189C!	F1	F	730 2636! 750G 1438G 2706G 4769G 7028T 8860G 11719A 14766T 15326G 16189C														
YZC-M119	M119	35.7	117		429.25	0.12	R+16189	R-T16189C!	haplogroup R+Inv+Eu1b/R+Eu1b1/R-T16189C!	F1	F															
I13154	CA71, QijiapingM89-2	35.5	104			0.14	R+16189	R-T16189C!	haplogroup R+Inv+Eu1b/R+Eu1b1/R-T16189C!	F1	F	730 2636! 750G 1438G 2706G 4769G 7028T 8860G 11719A 14766T 15326G 16189C														
YE_M401		42.9	92.8		361.624	0.15	I2a1	R-T16189C!	haplogroup R+Inv	F1	F	730 2636! 750G 1438G 2706G 4769G 7028T 8860G 11719A 14766T 15326G 16189C														
Balang8205		24.2	108		24	R+16189C (81.6%)	R-T16189C!	haplogroup R+Inv	R-T16189C!	F1	F	730 2636! 750G 1438G 2706G 4769G 7028T 8860G 11719A 14766T 15326G 16189C														
HuaiyuanML19		25.1	108 F		339	R+16189C (80.01%)	R-T16189C!	haplogroup R+Inv	R-T16189C!	F1	F	730 2636! 750G 1438G 2706G 4769G 7028T 8860G 11719A 14766T 15326G 16189C														
NE20	AR33K	45.4	127 F		574	B	B4'5	B	haplogroup R+Tx6108/R1b1a*5	B	B															
MG8	M28BR2	35.8	104 F			0.12	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B															
Y9		35.8	103 M?			0.12	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	16189 16267														
Y3		35.8	103 F			0.12	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	16140 16189 16197 16319														
MS267		35.5	111 F			0.09	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	183C, 185, 10400C, Coll(tRNAs) 96			-											
MS236Ai		35.5	111 F			0.08	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	146, 172, 1D:10400C, Coll(tRNAs) 96			-											
MS004		35.5	111 M			0.08	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	182C, 183C, 10400C, Coll(tRNAs) 96			-											
MS036Ai		35.5	111 F			0.08	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	91, 145, 1D:10400C, Coll(tRNAs) 96			-											
MS031Ai		35.5	111 M?			0.08	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	111, 140, 1D:10400C, Coll(tRNAs) 96			-											
Y1		37	80.1 U			0.06	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 189 246														
Xianbei5		41.7	121			0.05	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	129, 182C, 183C, 189, 261	10400T, CO1-tRNA Coll 96 deletion													
Cuezo		-13.5	-72			0.03	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
Wangjp0		34.1	116			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
PUC22	VI	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
PUC82	VI	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
PUC51	III	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
PUC25	II	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ANT01	A_I	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ANT08	A_I	-15.6	-72.7			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC74	IV	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC90	VIII(2)	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC98	VI	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC92	II	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC70	X	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC94	V	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC96	V	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
ACC119	VIII(2)	-15.5	-72.8			0.02	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B		8 T/10400T/CO1													
T2CH61		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C, 295 T	8 T/10400T/CO1													
T2CH33		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C	8 T/10400T/CO1													
T2CH88		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C, 295 T	8 T/10400T/CO1													
T2CH84		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C, 295 T	8 T/10400T/CO1													
T2CH76		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C, 247 G, 261 T	8 T/10400T/CO1													
T2CH72		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 C, 217 C, 247 G, 261 T	8 T/10400T/CO1													
T2CH52		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 C, 217 C, 261 T	8 T/10400T/CO1													
T2CH82		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 C, 217 C, 289 G	8 T/10400T/CO1													
T2CH19		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	179 C, 189 C, 217 C	8 T/10400T/CO1													
T2CH16		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C	8 T/10400T/CO1													
T2CH12		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 C, 217 C, 261 T	8 T/10400T/CO1													
T2CH75		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	189 C, 217 C, 247 G, 261 T	8 T/10400T/CO1													
T2CH14		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	179 C, 189 C, 217 C, 218 T	8 T/10400T/CO1													
T2CH37		-15.7	-72.7			0.01	B	B4'5	haplogroup R+Tx6108/R1b1a*5	B	B	168 T, 189 C, 217 C	8 T/10400T/CO1													

Y-Sym	Y-Symbol	Responsible-SNP	SNPs	Autosomi Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
							AC21	Cialis/Natura2020			mid-7th c. AD	650	625	675		Avar	Hungary Avar Elite		Hungary
							AC21	Cialis/Natura2020			1950	1950	1800	1900		Mongol	Mongol	Mongolia_Mongol	Mongolia
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Mongolia
							Damgaard2018	Direct: 95.4%; ImCal2D; Ow	3375-3216 calBCE (B		3300	3350	3250		3.5%	Sibirja_Baikal_EN	Shamanka_EN	Shamanka_Irwolitho.SG	Russia
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Mongolia
							Damgaard2018	Direct: 95.4%; ImCal2D; Ow	3371-3214 calBCE (B		-2500	-3375	-2216	20-30		Sibirja_Baikal_EN	Shamanka_EN	Russia_Shamanka_Irwolitho.SG	Russia
							Wang Nature2021	Direct (Warning NEED R	5373-3461 BCE (Jonas		-5217	-5373	-4661			Mongolia_N	Mongolia_N_East	Mongolia_East_N	Dornod aimag, Bayantumen sum, Kherlen River Mongolia
							Jeong1Ed2020				2300	2400	2250			Mongolia_LN	Uncle/Khar	Mongolia_Uncle/Khar	Tsetsenno, Buryatia
							DingPrice2021ancIB2020				4423-4160 calBP	-2342	-2473	-2210		Tibet_BA	Tibet_BA_Hedong		Qinghai
							DingPrice2021ancIB2020				4150-3980 calBP	-2115	-2200	-2030		Tibet_BA	Tibet_BA_Samye		Lhoka, Jiri Xiang
							Damgaard2018	Direct: 95.4%; ImCal2D; Ow	2577-423 calBCE (248		-428	-777	-423			Scythian_Saka	Central Saka	Kazakhstan_Central_Saka.SG	Central steppe
							Wang Nature2021				1	1	1			Hun	Tianshan Hun	Tianshan Hun	Kyrgyzstan_TianShan_Hun.SG
							Wang SciAdv2021				2723-2383 BP	603	-773	-433		Xinjiang_North_JA	N_JA		Xinjiang_North_JA
							Wang Nature2021				2788-2239 BP	-563.5	-838	-289		Xinjiang_West_JA	W_JA		Wuxun (NUR302), Nilka County
							Kilenc5Jakob2021 from Kilenc5JoRep2018				6033-5905 calBCE	-5969	-6033	-5905		Siberia_Cis_Baikal_EN	Cis-Baikal Early Neolithic	Cis-Baikal_7802_7855_BP	Angara River
							Jeong1Ed2020				1.75 CE	98	1	75		Koreanic	Late Koreanic	Korea_Late Koreanic	Sant Ural_Dornod
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Rahuaan Khad, Khentii
							Jeong1Ed2020				850-807 BCE	-854	-899	-807		Mongolia_LBA_EIA	Uncle/Khar	Mongolia_Uncle/Khar	Sualiam Bag, Arkhangai
							GnecchiRusconeScIrAdv2021	2nd-4th c. CE			252-378 calAD	315	252	378			Hun	Berel_300CE	Xiongnu_Hun_Berel_300CE
							Csáky Natura2020			AC11	mid-7th c.	725	650	790		Avar	Hungary Avar Elite		Kunszállás-Fülöpszállás
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Khanui, Arkhangai
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Tsagaan Chuluut, Dornod
							Kilenc5JoRab2021				4895-4725 calBCE	-4810	-4895	-4725		Siberia_Yakutia_EN	Yakutia Early Neolithic	Yakutia_Lena_6850_6190_BP	Lena River
							GnecchiRusconeScIrAdv2021	2nd-4th c. CE			2nd-4th c. CE	250	100	400		Xiongnu_Central_Asia	Xiongnu_Central_Asia	Xiongnu_Central_Asia	Alar / Nura I, II, Tsyuk II Burials #38D/14
							Jurasic5Rey2017		4th-2nd BCE		-250	-400	-100	20-35		Scythian	Western Scythian		Glinoe
							McCollFlores2018	Direct: 95.4%; ImCal2D; Ow	2350-54 calBCE (2143		-158	-350	-54			Vietnam_IA	Dong Son Culture	Vietnam_IA_DongSonCulture.SG	Ha Long Bay
							NingNatCommun2020		2050-1850 BCE		-1950	-2050	-1850			China_LN	Qijia	China_Upper_YR_LN	Qijia
							NingNatCommun2020		800-400BP		-1050	-1250	-850			China_LN	Qijia	China_Upper_YR_LN	Lala
							DingPrice2021ancIB2020		2790-2740 calBP		-815	-840	-790			Tibet_LA	Tibet_LA_Xiaoenda		Tibet
							NingNatCommun2020	Context: Archaeological cal	50-150 CE		100	50	150			Han	East Han		DaCaoZi
							Jeong1Ed2020				1350	1300	1400			Mongol	Mongol	Mongolia_Mongol	Chandagan Talyn Uurshuu, Khent
							Csáky Natura2020			AC11	mid-7th c.	650	625	675		Avar	Hungary Avar Elite		Kunszállás-Fülöpszállás
							Jeong1Ed2020				1050	1000	1100			Mongol_Early	Khitan	Mongolia_Khitan	Zaan-Khoshuu, Bulgan
							WhaleR14ND2020				700-900	800	1100			Turkic	Turkic		Pulchin-2
							Jeong1Ed2020				1900	-1905	-2030	-1780		Tibet_BA	Tibet_BA_Xiahanshi		Tibet
							Damgaard2018	Direct: 95.4%; ImCal2D; Ow	1020-1160 calCE (95		1099	1030	1160			Steppe_Central_Nomad_M		Kyrgyzstan_Medieval_Nomad.SG	Tian Shan
							Wang Ed2021		1,467–1,307 cal BP		563	483	643			Asia_SE_Historical	Guangxi Historical group_1.7-0.2k	BaBianQinCun	Banda, Guangxi, China
							Liu1Guoxiang2021		-1,300 BP		650	550	750			Vietnam_IA	Hoa Lung Culture		Bauksan
0.074							Wang SciAdv2021		3160-2969 BP		-1114.5	-1210	-1019			Xinjiang_East_LIA	E_LIA		Quaergeqo (QEG), Barkol County
0.08							Wang SciAdv2021		3160-2969 B

Object-ID	Colloquial-Skeletal	LatitudeLongitude	Sex	mtDNA-contAMT	mtDNA-haplogroup	mtDNA-Haplotree	mt-PT-mtree	mt-YF-FTDNA-mt-Haplotree
T2CH83		-15.7 -72.7		0.01 B	B4'5	hg19ref B4'5	hg19ref B4'5	hg19ref B4'5
T2CH72		-15.7 -72.7		0.01 B	B4'5	hg19ref B4'5	hg19ref B4'5	hg19ref B4'5
T2CH54		-15.7 -72.7		0.01 B	B4'5	hg19ref B4'5	hg19ref B4'5	hg19ref B4'5
KT27		36.7 102 M		0.06 B4	B4	hg19ref B4	hg19ref B4	hg19ref B4
DC14	15421	-24.6 -64.9 F		0.02 B4	B4	hg19ref B4	hg19ref B4	hg19ref B4
DC1	13954	-22.4 -66 F		0.02 B4	B4	hg19ref B4	hg19ref B4	hg19ref B4
LD-M11		24 122		0.14 B4b	B4b	hg19ref B4b	hg19ref B4b	hg19ref B4b
	84.1	49.6 103 M		0.08 B4b	B4b	hg19ref B4b	hg19ref B4b	hg19ref B4b
EG84.1		49.6 103 F		0.08 B4b	B4b	hg19ref B4b	hg19ref B4b	hg19ref B4b
LI582	USR2;KTB92390.1	64.2 -146 ..		0.79 B2	B2*	hg19ref B2*	hg19ref B2*	hg19ref B2*
Lapa35	Lapa35 (Burial 32)	-19.5 -44 F	..	0.67 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GAJrRem20Ma		-19.5 -44		0.66 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
TrailCreek	Trail Creek	65.8 -163 F	..	0.63 B2*	B2*	hg19ref B2*	hg19ref B2*	hg19ref B2*
MM41	LAUS, LacSSA7_Skele	-10.3 -76.7 F	..	0.59 B2	B2(rhron-Schmitz)	hg19ref B2	hg19ref B2	hg19ref B2
CHI-07		5.12 -73.9		0.48 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
TE13		4.54 -74.3		0.45 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
CHI-1		5.12 -73.9		0.38 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
CHI-06		5.12 -73.9		0.35 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
AZ75		4.6 -74.3		0.32 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LI268	SC12_L285_HPA887	-7.91 -79.3 F		275 0.29 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
AZ86		4.6 -74.3		0.28 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD179	LGA13	-8.47 -78.2		0.28 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
C1242		-26 -66		0.26 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
VI53		3.12 -73.8		0.20 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
JA12		-14.5 -75.2		0.17 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD287	MS21	-13.7 -76.2		0.13 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
JA26		-14.5 -75.2		0.12 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
IL3	IL3	-16.2 -69.7 F	..	0.12 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD284	JA14	-14.1 -75.7		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
CD12		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
CD11		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA21		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
EA03		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
CD14		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA12		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
AG01		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GE5		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
MS46		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
BC13		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
EA04		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
MA06		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GE24		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
TA07		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA04		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
MS33		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA27		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
EA07		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA23		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
FA07		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
YA28		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GE15		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GE7		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
BC10		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
GE3		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
EA08		-14.5 -75.2		0.11 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
	18416	-25.8 -65.4 M		0.1 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
	17864	-25.8 -65.4 F		0.1 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
	18410	-25.8 -65.4 F		0.1 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
	17884	-25.8 -65.4 F		0.1 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP15.78	TW-BOL 0108	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD978	TW-BOL 0098	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD976	TW-BOL 0013A	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP15.20	TW-BOL 0024A	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP27.2	TW-BOL 0014A	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD979	TW-BOL 0108	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP15.68	TW-BOL 0098	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP27.3	TW-BOL 0114A	-16.6 -68.7		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP20.5	ADS 95/96	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP14.4	A15 06/00	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP13.2	AD UT24 Ind L/T88	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
SD245	A6 68/96	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP14.5	A6 68/96	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
LP13.7	A0 08/98	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Shotgun**	ADS 82/96	-12.1 -77		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
PD56	MPI 23 (Burial 102)	-28.6 -49 F		0.09 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Concho 34		2045.01 -13.1		0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Concho 25	1371.01.05	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Concho 21	601619	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Concho 12	3335.155	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
Concho 30	2024.01	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
	1993.01	1993.01	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2
Concho 36	2400.54	-13.1	-74.2	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
TW059	Pumapunku	-16.6	-68.7 M	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
MS56		-16.5	-68.1 M	0.08 B2	B2	hg19ref B2	hg19ref B2	hg19ref B2
MS51	MS5	-16.5	-68.1 U	..	0.08 B2	B2	hg19ref B2	hg19ref B2
LI538	CH127a	-21.4	-70 F	..	0.08 B2	B2	hg19ref B2	hg19ref B2
CD001	Collcunche, CUL-A1	-15.6	-72.7 F		0.07 B2	B2	hg19ref B2	hg19ref B2
PC537	PC537	-25.6	-76.7 F		0.07 B2	B2	hg19ref B2	hg19ref B2
LI539	CH128	-21.4	-70 F	25.9	0.07 B2	B2	hg19ref B2	hg19ref B2
LI718	HZ9608	36.1	-108 F		0.07 B2	B2	hg19ref B2	hg19ref B2
LI560	ICA 96	-13.9	-75.7 F	1110	0.07 B2	B2	hg19ref B2	hg19ref B2
LI715	HZ9659	36.1	-108 F		0.07 B2	B2	hg19ref B2	hg19ref B2
MS39		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
DC04		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TR45		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TRA3		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TA13		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
SD287		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA10		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
LI10		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TRA11		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
LI7		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA14		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
BC3		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA01		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
LI06		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TA04		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
TRA8		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA7		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA19		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA20		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2
YA06		-14.5	-75.2		0.06 B2	B2	hg19ref B2	hg19ref B2

mt-Sim-ht-5	HVS-I	HVS-II	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu	ISOGG2019	FTDNA Y-Haplotree
8	8	168 T, 189 C, 217 C																		
8	8	178 C, 189 C, 217 C																		
8	8	189 C, 217 C					15,14,23,30,16,13,15;19,14,10,14,-,-,12,14,11,20 corresponding to DYS:456,389I,390,389II,458,19,385a,b,393,391,439,635,392,HL437,438,449													
84	8	93-129 1dUC-183C-189-261																		
84	8	16183C 16189T 16189C 16217C																		
84	8	16183C 16189C 16217C 16253G																		
84	8																			
84	8						DYS19:14; DYS390:24; DYS391:10; DYS392:16; DYS393:14; YCAII:18/20; DYS385:---; DYS389I:---													
84	8	16086C, 16136C, 16183C, 16189C, 16217C																		
84	8																			
84	8																			
84	8																			
84	8																			
84	8	16093C, 16519C																		
84	8																			
84	8	16497C, C64T37, T9950C, C11177C; ancestral at ev...																		
84	8																			
84	8																			
84	8																			
84	8																			
84	8																			
84	8																			
84	8																			
84	8	16183C; 16189C; 16217C																		
84	8																			
84	8	16189C 16217C		P_81																
84	8																			
84	8	16189C 16217C 16245T		P_824																
84	8																			
84	8																			
84	8	16183C 16189C 16217C		P_82																
84	8																			
84	8	16183C 16189C 16217C		P_82																
84	8	16168T 16183C 16189C 16217C		P_88																
84	8	16168T 16183C 16189C 16217C		P_88																
84	8	16168T 16183C 16189C 16217C 16319T		P_810																
84	8	16183C 16189C 16217C		P_82																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16183C 16189C 16217C		P_82																
84	8	16183C 16189C 16217C		P_82																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16183C 16189C 16217C 16261T 16319T		P_810																
84	8	16183C 16189C 16217C		P_82																
84	8	16183C 16189C 16217C		P_82																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16168T 16183C 16189C 16217C		P_88																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16183C 16189C 16217C		P_82																
84	8	16168T 16183C 16189C 16217C		P_88																
84	8	16183C 16189C 16217C		P_82																
84	8	16140C 16183C 16189C 16217C		P_86																
84	8	16183C 16189C 16217C		P_82																
84	8	145 156 157 1dUC 183C 189 217																		
84	8	142 183C 183C 189 217																		
84	8	145 156 157 1dUC 189 217 278																		
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Object-ID	Colloquial-Skeletal	Lat	Lon	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotype	mt-PT-mtree	mt-YF-FTDNA-mt-Haplotype	mt-Sin-h6.5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR	Y-Simple	TYree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu SOGO2019	FTDNA-Y-Haplotree
MS10419-1		5.31	163		0.06	R4b1a2i	R4b1a2i		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!a2!	B4	B																
Tandrahan_M20		26.2	119		190	R4b1a1	R4b1a1 (83.03%)		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!a1!	B4	B																
L3234_L3515_L3542CSP142_RedBorngMS		31.1	97.2		0.13	B4d1'2'3	B4d1'2'3		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B	736 2630 2659 2680 2750 8270 14380 27060 4769G 4820A 7028T 7521A 8860G 9101G 15239G 11739A 11954A 13930A 14580G 14766T 15326G 15535T 15930A 16189C 16217C																
U3409		33.9	114.7		266.09A	B4d1'2'3	B4d1'2'3		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B	736 2630 2659 2680 2750 8270 14380 27060 4769G 7028T 8860G 11739A 11954A 13930A 14766T 15326G 15535T 15930A 16189C 16217C																
DE0501	AT-389	48.6	102.7		0.03	B4d1'2'3	B4d1'2'3		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B																
UD577	C387,	34.7	104		0.23	B4d1	B4d1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B	736 2630 2659 2680 8270 14380 27060 4769G 7028T 8860G 11739A 11954A 13930A 14766T 15326G 15535T 15930A 16189C 16217C																
Karos3/5	KYZB3714.1	48.3	21.7	F	0.06	B4d1	B4d1*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B	189C 2630 7028T 9 bp del I1	A10180G	YFull														
Karos5/5	KYZB3714.3	48.3	21.7	U	0.06	B4d1	B4d1*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4d!	B4	B	189C 189C 2630 7028T 9 bp del I1	A10180G	YFull														
L3186	C504,	36.9	103		0.32	B4j	B4j		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4j!	B4	B	736 2630 7500 8270 14380 27060 35486* 4769G 5300T 6122T 7028T 8860G 11739A 11945G 13911G 14766T 15172A 15326G 15535T 16189C 16217C 16223T																
L3185	C503, Hejatar1	36.9	103		0.32	B4j	B4j		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4j!	B4	B	736 2630 7500 8270 14380 27060 35486* 4769G 5300T 6122T 7028T 8860G 11739A 11945G 13911G 14766T 15172A 15326G 15535T 16189C 16217C 16223T																
HL-M11	M11	36.8	118		332.07	0.19	B4j		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4j!	B4	B																
DB132.4658		46.3	20.1	M		0.07	B4j		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4j!	B4	B	16182C 16183C 16189C 16217C 16223T																
MBBA		45.7	124.7	F	0.26	B4c1a2	B4c1a2		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B	30, 2630, 709A, 750G, 1119C, 14380, 27060, 8947T, 7028T, 7498A, 8281-9d, 10310A, 11739A, 14766T, 15260, 15346A, 16137G, 16217C, 16519C, 16527T																
KO-M81-J	M81-J	30.3	114.1		373.61	0.13	B4c1a2	B4c1a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
Xitousun_M52		26.2	119		191	B4c1b2a	B4c1b2a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B	736 146C 150T 2630 709A 750G 1119C 14380 27060 34977 3571T 4769G 7028T 8772C 8860G 11739A 14766T 15326G 15346A 16140C 16189C 16217C 16274A 16335G																
LD-N44		24	122		0.2	B4c1b2a	B4c1b2a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
LZ-A849	M89	36.7	117		452.87	0.58	B4c1b2a1	B4c1b2a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
UD580	C595,	34.7	104		0.23	B4c1b2b	B4c1b2b		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B	736 2630 2630 709A 750G 1119C 14380 27060 34357 34977 3571T 4769G 7028T 8860G 9128C 11440A 11739A 14766T 15326G 15346A 16140C 16189C 16217C 16274A 16335G																
TU-M115	M115	36.7	117		444.21	0.8	B4c1b2c2	B4c1b2c2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
TUONGSIA146	TU005, 76-8 (Kompia	-47.5	9.29			0.43	B4c1b2c2	B4c1b2c2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
KO1313_M16	M16, KJS-M16	36.5	117.7		211.59	0.43	B4c1c	B4c1c	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
O1958_d	C121, WubaMA47	38.6	101			0.1	B4c1c1	B4c1c1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B	736 150T 195C 214G 263G 750G 1119C 14380 27060 34977 5461G 7028T 8860G 10398G 11739A 13629G 14766T 15326G 15346A 15941C 16189C 16217C 16311C																
DSG-4	DSG-4	28	104			0.74	B4c2c	B4c2c	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B	0.066		LisSciBuff2021														
DSG-9	DSG-9	28	104			0.74	B4c2c	B4c2c	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4c!	B4	B																
I15694	M187	24.3	122.7		7.237	0.11	B4a1a	B4a1a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 263G 309.1C 5234 5246	A15740G + C!YFull														
I14937	M185	24.3	122.7		10.51	0.11	B4a1a	B4a1a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
KN039	MF887706.1	-27.1	-109.1		0	B4a1a1	B4a1a*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
I1370	B17.P3	-17.8	168.7		0.2	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
I1369	B10B.P3	-17.8	168.7		0.2	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
I1368	B30A.P3	-17.8	168.7		0.19	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6001	MA6001	-15.9	167.9		0.15	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10268		-8.55	-172		0.06	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10301-1		-8.55	-172		0.06	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10302-4		-8.55	-172		0.06	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10305-1		-8.55	-172		0.06	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
UHA001	UHA001	-21.2	-175.7	F	0.06	B4a1a1	B4a1a1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 263G 309.1C 750G 14380	A14022G + A !YFull														
KN035	MF887702.1	-27.1	-109.9		0.03	B4a1a1	B4a1a1*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
TON001	TON001	-21.2	175.7	F	0.18	B4a1a2	B4a1a2		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6002	MA6002	-16.1	167.7		0.17	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6004	MA6004	-16.1	167.7		0.15	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6007	MA6007	-16.1	167.7		0.14	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10299		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10300-2		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10302-2		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10302-3		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10304		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10307-2		-8.55	-172		0.06	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6002	MA6002	-6.25	161.7		0.03	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MS10433		5.31	163		0.01	B4a1a1a	B4a1a1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
MA6006	MA6006	-16.1	167.7		0.32	B4a1a1a11	B4a1a1a11		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 151T 263G 315.1C 523d 523dG	1A5892G	YFull														
RN036	MF887703.1	-27.1	-109.9		0.24	B4a1a1e1	B4a1a1e1*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 151T 263G 523d 523dG 750G	14182G	YFull														
RN037	MF887704.1	-27.1	-109.9		0.24	B4a1a1e1	B4a1a1e1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 151T 263G 750G 14380	A16892G	YFull														
RN041	MF887705.1	-27.1	-109.9		0.04	B4a1a1e1	B4a1a1e1*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
CZR-A48	M8	36.7	117		440.92	0.26	B4a1a2	B4a1a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
DSG-10	DSG-10	28	104		0.29	B4a1a4	B4a1a4		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 146C 151T 263G 750G 14380	A18892G	YFull														
Duohanet-1		23.6	107	M-F	169	B4a1b	B4a1b (86.71%)		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 2630 7500 14380 27060 35486 4769G 5460C 7028T 8860G 9123A 10238C 11739A 14766T 15326G 16168T 16189C 16217C 16261T 16311C																
Qinchengd013		24.1	108	M	106	B4a1b	B4a1b (74.9%)		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	736 2630 7500 14380 27060 35486 4769G 5460C 7028T 8860G 9123A 10238C 11739A 14766T 15326G 16168T 16189C 16217C 16261T 16311C																
AH117_18R21266	18R21266	37.8	109	M	910.49	0.34	B4a1b1	B4a1b1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	B4a1b1 RecIsLab_v4k1																
18R21266	18R21266	37.8	109	F	910.49	0.34	B4a1b1	B4a1b1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	n/a (female)																
LJZ-A466	M46	36.7	117		258.96	0.2	B4a1	B4a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
S123	S123	37.8	109	F	240.94	0.52	B4a4	B4a4	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	B4a4 RecIsLab_v4k3																
S87	S87	37.8	109	M	318.26	0.53	B4a4	B4a4	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B	B4a4 RecIsLab_v4k1 (exome capture)					1093											
TU-M14	M14	36.7	117		429.72	0.43	B4a4	B4a4	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4a!	B4	B																
JinhouM120		23.1	108		35	B4b1	B4b1 (71.77%)		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4b!	B4	B	736 2630 7500 14380 27060 4769G 7028T 7789A 9968T 11739A 14766T 15326G 16189C 16213A 16217C 16260T 16292T																
JZ261_M35-1		37.8	75.2		411.1	0.26	D4j1	B4b1*		B4	B																	
RF0001	AT-831	41.2	101.7			0.04	B4f	B4f	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B4f!	B4	B																
E7401	5834K13_Sb_Ave4	51.3	-2.75 F		22.3	0.36	B5 / H13 / HV	B5/H13/HV	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B	Phy-Mer																
T28-8		40.3	88.7	M		0.12	B5	B5	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B	182C-183C-189-217-243-355																
X749		36.7	102	M	0.06	B5	B5	B10	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B10	182C-183C-189-265C																
X713		36.7	102	F	0.06	B5	B5	B7	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B7	140-182C-183C-189-266A																
X716		36.7	102	F	0.06	B5	B5	B7	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B7	140-182C-183C-189-266A																
X730		36.7	102	F	0.06	B5	B5	B7	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B7	140-182C-189-243-355																
X741		36.7	102	U	0.06	B5	B5	B9	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5!	B5	B9	140-182C-189-243-355																
MaZe48	19548	2.19	102.1	U	0.05	B5a1a	B5a1a	B5a1a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5a!	B5	B5a1a1	unknown (cannot locate in paper what method they used to determine haplogroup)																
HuaqiaoLN25		25.1	108		207	B5a1b1a1	(88.62%)	B5a1b1a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5a!	B5	B5a1b1a1	210C 263G 593C 709A 750G 14380 27060 35370 4769G 5237A 6860T 7028T 8584A 8860G 9950C 10325A 10388G 10523G 11739A 14766T 15255G 15326G 16140C 16189C 16267C 16266A																
I18528	M87-2	24.3	122.7	F	27.79	0.08	B5a1b2a+16129A	B5a1b2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5a!	B5	B5a1b2	unknown (cannot locate in paper what method they used to determine haplogroup)																
EME0202	AT-708	47.8	102.7	F		0.2	B5a2e1b	B5a2e1b	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5a!	B5	B5a2e1b																
CZR-H593b-1	H593b-1	36.7	117		488.7	0.15	B5b	B5b	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b																
I6369	AT_984, Grave #2, M4	47.4	110.7	F	0.11	B5b	B5b		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b	146, 153, 183C, 189, 217, 243, 274 10400T, CO1-tRNA Left hp deletion																
Xianbei16		41.7	121		0.07	B5b	B5b		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b	9 bp del																
FN0-2		45.4	141			B5b	B5b		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b																
TL-H299-1	H299-1	36.7	117		359.16	B5b1	B5b1		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b																
HL-SY470	HS470	36.8	118		389.02	0.3	B5b1	B5b1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b	unknown (cannot locate in paper what method they used to determine haplogroup)																
PH1564	19534, Sample #3	38.2	122.7	F		B5b1a	B5b1a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b1a																
BQ-M24-4	M24-4	30.3	114		465.79	0.25	B5b2a	B5b2a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a																
BQ-M24-23	M24-23	30.3	114		335.76	0.25	B5b2a	B5b2a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a																
BQ-M31-4	M31-4	30.3	114		377.42	0.25	B5b2a	B5b2a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a																
BR0093	Barel 2017_30A/B0	49.3	85.8	F	37.78	0.1	B5b2a1	B5b2a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a1																
BQ-M2-1	M2-1	30.3	114		521.21	0.26	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
BQ-M2-6	M2-6	30.3	114		187.70	0.26	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
BQ-M2-7	M2-7	30.3	114		409.74	0.26	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
BQ-M2-8	M2-8	30.3	114		354.49	0.26	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
BQ-M2-J	M2-J	30.3	114		217.94	0.26	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
BR0094	Barel 2018_105	49.3	85.8	F	64.90	0.1	B5b2a2	B5b2a2	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2																
Xitousun_M13		26.2	119			B5b2a2a1	(91.48%)	B5b2a2a1	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2a2a1	73G (pm) 263Miquel RomaNA																
BQ-M139-D	M139-D	30.3	114		330.34	0.88	B5b2b	B5b2b	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2b	NA																
BZ-M59	M59	36.5	110		380.4	0.4	B5b2b	B5b2b	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b2b	NA																
SZapor154		46.6	20.2		0.09	B5b4	B5b4b*		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B5b!	B5	B5b4b*	73G 103A 151C 182T 395.1T 827G! 73G 103A 147YFull																
WXW52	WXW52	22.7	109		0.05	B6a	B6a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B6!	B6	B																
MZ35	AR8,B6	45.9	126.7	F	602	0.1	B11	B11	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B11!	B11	B11																
S120_18R21267	S120	37.8	109	M	190.89	0.35	B11a	B11a	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B11!	B11	B11a	RecIsLab_v4m/a (exome capture)	641															
UD581	C591,	34.7	104		0.27	B11a	B11a		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B11!	B11	B11a																
Sukhoy2	Souhoj Log136	57.1	53.1		0.15	B11b1b	B11b1b		T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!B11!	B11	B11b1b																
NE-M7 79		36.8	-1.8			0.52	U	U	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!U!	U	U																
MAS1	514	50.2	19.8			0.5	U	U	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!U!	U	U																
CZR-I261		42.6	22.9			0.33	U	U	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!U!	U	U	A16129G T16167C T16189T T16223C G16230A T16278C C16311T																
CZR-I262		42.6	22.9			0.33	U	U	T=T16189C!+64T!+146T!+247G!!+249!+4R!+8R!+12R!+16R!+22G!!+247G!!+4R!!U!	U	U															

Object-ID	Colloquial-Skeletal	Lat	Lon	Long	Sex	mtDNA-c-mtFA	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-Sin	mt-S	HVS-I	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YfuS	Y-Yfs-SDGG2019	FTDNA-Y-Haplotree
Goyet Q57-3		50.3	4.28					N01b1a1a1	N01b1a1a1					T16140C	YFull														
Goyet Q57-2		50.3	4.28					N01b1a1a1	N01b1a1a1					T16140C	YFull														
Vindija 33.17		46.3	16.1					N01b1a1b*	N01b1a1b*					A3000.* A10	YFull														
Vindija	Vindija 33.19	46.3	16.1	?		--		N01b1a1b1	N01b1a1b1					T5966C	YFull														
Vindija 33.16		46.3	16.1					N01b1a1b1	N01b1a1b1					T5966C	YFull														
Goyet Q385-7		50.3	4.28					N01b1a1b2a	N01b1a1b2a					C5248T	YFull														
Goyet Q374a-1		50.3	4.28					N01b1a1b2a	N01b1a1b2a					C5248T	YFull														
Goyet_final	Goyet Q56-1	50.4	5.01	?		--		N01b1a1b2a	N01b1a1b2a					C5248T	YFull														
Goyet Q385-4		50.3	4.28					N01b1a2	N01b1a2					G10586A	YFull														
Feldhofer 2	Neanderthal 2	51.2	6.95					N01b2	N01b2					G10586A	YFull														
A16045	GE-I-810a	42.4	-3.52			261.B	A16045 and A16112	N01b2f*	N01b2f*																				
A16112	GE-II-810a	42.4	-3.52			59.B	A16045 and A16112	N01b2f*	N01b2f*																				
Mezmaiskaya1	Mezmaiskaya 1	44.2	40.7					N01b2*	N01b2*					A12946.* C6!	YFull														
Gibraltar1		36.1	-5.35	?				N01b2a	N01b2a					A3470.* C16!	YFull														
Stajnia	10200	50.6	19.5				Clade with Mezmaiskaya	N01b2a	N01b2a					A3470.* C16!	YFull														
MS5	SPK710	51.4	84.7			27.59	Neanderthal group	N01b3	N01b3						YFull														
E213	SPK533	51.4	84.7			10.76	Neanderthal group	N01b3	N01b3						YFull														
E202	SPK522	51.4	84.7			6.46	Neanderthal group	N01b3	N01b3						YFull														
S90	SPK714	51.4	84.7			37.76	Modern Human	P1R5	P1R5	L	L																		
E254	SPK754	51.4	84.7			32.92	Modern Human	P1R5	P1R5	L	L																		
E250	SPK570	51.4	84.7			27.5	Modern Human	P1R5	P1R5	L	L																		
I13981	GA-01, Ind. 15	-3.48	35.3	?		27.67	0.04 L0a	L0a	L0a	L0	L0																		
CH532	Rare	32.8	-79.9	?			0.02 L0 (8238)	L0a1	L0a1	L0	L0			Haplogroup 2.0															
I6251	I5152	21.1	30.6	?			0.4 L0a1a1	L0a1a1	L0a1a1	L0	L0																		
I19139	I9103	21.1	30.6	?			0.37 L0a1a1	L0a1a1	L0a1a1	L0	L0																		
I19134	I984	21.1	30.6	?			0.37 L0a1a1	L0a1a1	L0a1a1	L0	L0																		
I12381	LDB5.01-01	-0.38	36.9	?		81.34	0.08 L0b1c1	L0b1c1	L0b1c1	L0	L0																		
I8805	EC1.01	-0.38	35.9	?		146.34	0.14 L0b2	L0b2	L0b2	L0	L0																		
Y-266		18.1	66.6	?			0.12 L0d2a (quality: 52)	L0d2a	L0d2a	L0	L0			HaploGrep 2.0 with Phylotree mtDNA tree Build 17															
I2867	Hora2	-11.7	33.8	?			0.12 L0d2	L0d2	L0d2	L0	L0			n/a (+2x)	RecArLab_x44.3														
I8931	WRP.03.01	-0.45	34.3	?			0.07 L0d2	L0d2	L0d2	L0	L0																		
I4426		-10.6	33.8	?			0.03 L0f	L0f	L0f	L0	L0																		
I14093	DA-GoJm202-0317-01	-1.47	37.1	?		0.3. 0.08	L0f1	L0f1	L0f1	L0	L0																		
I4422		-14.4	33.8	?			0.04 L0g1	L0g1	L0g1	L0	L0																		
I4421		-14.4	33.8	?			0.07 L0g2	L0g2	L0g2	L0	L0			L0k	RecArLab_x44.3														
UCT473	UCT473	-32.8	17.9	?			0.03 L0h1a	L0h1a1a	L0h1a1a	L0	L0																		
I3e001	2000/023	-29.1	29.3	?			0 L0i2	L0i2	L0i2	L0	L0			Polymorphisms for called by (agens:L0i2a1a	Haplofind, PhyloTree mtDNA Build 17 accessed 18Feb2016; some manual curation occrred as they state HaploFind is not well-adjusted to L0 lineages														
I3e005	2000/010	-30.1	30.7	?			0.07 L0i2a1a	L0i2a1a	L0i2a1a	L0	L0			Haplogrep2 R5R5/*16R*	Haplofind, PhyloTree mtDNA Build 17 accessed 18Feb2016; some manual curation occrred as they state HaploFind is not well-adjusted to L0 lineages														
Stine	UCT 606	-32.8	18				0.03 L0k1b1c	L0k2c1	L0k2c1	L0	L0			G6249A	YFull														
NE-NAP		36.8	-3.8				0.03 M1a or L3i	M1a or L3i	M1a or L3i	M1	M			16129A, 16247, 16270, 16278, 16286, 16311C															
Yese1		40.4	-3.51				0.05 L3b	L3b	L3b	L3	L3			T16126C A16129G G16230A C16264T C16270T A16293G															
WS-B31	ZVG93	21.6	11.7	?			0.07 L3b	L3b	L3b	L3	L3			16126C 16189T 16207T 16224T 16270T 16278T															
Priego61		37.4	-4.2				0.01 L3b	L3b	L3b	L3	L3			16126, 16175, 16187, 16189, 16223, 16264, 16270, 16278, 16293. Reported as L3b1.															
Priego59		37.4	-4.2				0.01 L3b	L3b	L3b	L3	L3			-70!5A!a-1, 16126, 16175, 16187, 16189, 16223, 16264, 16278, 16311															
Priego60		37.4	-4.2				0.01 L3b	L3b	L3b	L3	L3			-70!5A!a-1, 16126, 16175, 16187, 16189, 16223, 16264, 16270, 16278, 16311															
I4241	RISE695, sample #5.F	40.4	-3.54	?			0.06 L3b1a	L3b1a	L3b1a	L3	L3			HaploGrep2 based on phylotree#8 (mtDNA tree build 17 (accessed 18 February 2016)															
I18518	S201	21.1	30.7	?			0.49 L3b1a2a	L3b1a2a	L3b1a2a	L3	L3																		
CH535	Pete	32.8	-79.9	?			0 L3b1a2 (9.9664)	L3b1a3	L3b1a3	L3	L3			Haplogrep 2.0															
CH514	Julie	32.8	-79.9	?			0.04 L3b1a2 (0.9688)	L3b1a8	L3b1a8	L3	L3			Haplogrep 2.0															
CAN.010	AEHD45, MK13959F1	27.9	-15.5				0.01 L3b1a+189	L3b1a*	L3b1a*	L3	L3			A189G	YFull														
CH521	Keebana	32.8	-79.9	?			0 L3b2 (9.855)	L3b2	L3b2	L3	L3																		
CH526	Rina	32.8	-79.9	?			0.02 L3b3 (0.9232)	L3b3	L3b3	L3	L3			Haplogrep 2.0															
CH523	Ganda	32.8	-79.9	?			0.01 L3c1c (0.8477)	L3c1c	L3c1c	L3	L3			Haplogrep 2.0															
I4243	LAR35 E16/17 (11) L	5.86	10.1	?			0.36 L3d1a1b	L3d1a1b	L3d1a1b	L3	L3																		
CH525	Kiana	32.8	-79.9	?			0.04 L3d1a1b (0.9327)	L3d1a1b	L3d1a1b	L3	L3																		
TM-18		41	0.93				0.05 L2	L2	L2	L2	L2			16261T, 16278T 16294T, 16309G															
Guanche1		28.2	-16.8				0.01 L2	L2	L2	L2	L2			16223, 16278															
Guanche2		28.2	-16.8				0.01 L2	L2	L2	L2	L2			16223, 16278, 16298, 16292															
Priego62		37.4	-4.2				0.01 L2	L2	L2	L2	L2			16223, 16278, 16311, 16355, 16368, 16390															
Mar12		34.5	40.9				0.13 L2a1	L2a1	L2a1	L2	L2			16223T, 16256T, 16261T, 16278T, 16294T, 16309G															
I3726		-4.26	35.3	?			0.09 L2a1	L2a1	L2a1	L2	L2																		
AMK005		40.6	8.35	?			0.01 L2a1	L2a1	L2a1	L2	L2																		
Priego63		37.4	-4.2				0.02 L2a1	L2a1	L2a1	L2	L2			16189, 16192, 16223, 16278, 16294, 16309, 16390. Reported as L2a1B3															
I3294		-4.9	39.6	?		209.02	L2a1a2	L2a1a2	L2a1a2	L2	L2																		
CH504	Koto	32.8	-79.9	?			0.01 L2a1a2 (0.9936)	L2a1a2	L2a1a2	L2	L2			Haplogrep 2.0															
CH528	Kidzana	32.8	-79.9	?			0.03 L2a1a2b (0.9855)	L2a1a2b	L2a1a2b	L2	L2			Haplogrep 2.0															
CH533	Jozie	32.8	-79.9	?			0.03 L2a1a2c (0.975)	L2a1a2c	L2a1a2c	L2	L2			Haplogrep 2.0															
CH515	Talata	32.8	-79.9	?			0.01 L2a1c (0.9682)	L2a1c	L2a1c	L2	L2			Haplogrep 2.0															
VL000	USX24_CR2 Tomb 16	39.6	8.96	?		12.8.0.49	L2a1c3b1	L2a1c3b1	L2a1c3b1	L2	L2																		
I4141	R186	21.1	30.6	?			0.02 L2a1c+145!t-16189	C16-L2a1-C143A-G1630	L2a1c1	L2	L2																		
I6326	S87	21.1	30.7	?			0.2 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I6324	S133	21.1	30.7	?			0.2 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I6256	S68a	21.1	30.7	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I19145	R173	21.1	30.6	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I17449	S147	21.1	30.7	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I18538	S53	21.1	30.7	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I18509	S132	21.1	30.7	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
I18522	S235	21.1	30.7	?			0.18 L2a1d1	L2a1d1	L2a1d1	L2	L2																		
NQ0082	Burial 3	-17.9	24.7	?		0.6	0.03 L2a1f	L2a1f	L2a1f	L2	L2			Haplogrep 2.0															
KPU852	KPL 2018 B2	0.67	34.4	?		78.35	0.01 L2a1f	L2a1f	L2a1f	L2	L2																		
CH534	Ajana	32.8	-79.9	?			0.01 L2a2 (0.9782)	L2a2	L2a2	L2	L2			Haplogrep 2.0															
KPU850	"Other Ind."	0.67	34.4	?		63.21	0.02 L2a5	L2a5	L2a5	L2	L2																		
CH510	Anika	32.8	-79.9	?			0 L2b1 (9.9564)	L2b1	L2b1	L2	L2			Haplogrep 2.0															
CH520	Nina	32.8	-79.9	?			0.01 L2b1b (9.9558)	L2b1b	L2b1b	L2	L2																		
Zana	Zana of Abkhazia	42.9	41.6	?			L2b1b	L2b1b*	L2b1b*	L2	L2			Haplogrep 2.0															
CH511	Nana	32.8	-79.9	?			0.07 L2b1e (9.9655)	L2b1e	L2b1e	L2	L2			Haplogrep 2.0															
CH517	Deba	32.8	-79.9	?			0 L2c (9.9481)	L2c	L2c	L2	L2			Haplogrep 2.0															
MS-93	ZVG93	21.6	11.7	?			0.01 L2e1	L2e1	L2e1	L2	L2																		
I3810	Individuo 9	37	15.5	?		163	0.01 L2e1	L2e1	L2e1	L2	L2			HaploGrep2															
JK2955		1642	29.9	31.2			0.01 L3e1	L3e1	L3e1	L3	L3			YFull															
H8		36.4	38.2				0.15 L3	L3	L3	L3	L3			16227															
Mes3Bolved 25 (3/3)		47.8	20.6				0.11 M/K24	M/K24	M/K24	M	M			T124C															
FM 13514		39.2	-6.29				0.08 m/4* or L3*/N*	M/4* or L3*/N*	M/4* or L3*/N*	M/4	M/4			16223T, 16278T, 16311C															
K368	AT_STG, Grave #1.A.4	47.2	109.7	?			0.04 L3	L3	L3	L3	L3																		
Guanche54		27.9	-15.5				0.02 L3*	L3	L3	L3	L3			16187, 16223															
Guanche55		27.9	-15.5				0.02 L3*	L3	L3	L3	L3			16145, 16196, 16223															
Guanche44		28.1	-17.2				0.02 L3*	L3	L3	L3	L3			16189, 16223															
Guanche45		28.2	-17.3				0.02 L3*	L3	L3	L3	L3			16223															
MS-171	ZVG171	21.6	31.1	?			0.02 L3b	L3b	L3b	L3	L3			16182C 16183C 16189C 16223T 16278T 16362C															
I1162	I1162	33	35.3	?			0.1 L3b1	L3b1	L3b1	L3	L3																		
gor000	Gran Canaria	28	-15.6	M			0.02 L3b1a	L3b1a	L3b1a	L3	L3			-- n/a															
gor007	Gran Canaria	28	-15.6	M			0.02 L3b1a	L3b1a	L3b1a	L3	L3			-- n/a															
gor008	gor008	28	-15.6	F		690.9	0.02 L3b1a+@16124	L3b1a	L3b1a	L3	L3																		
MUN001	Muro-A-05-1162	0.83	33.9	?		1.57	0.01 L3b1a3	L3b1a3	L3b1a3	L3	L3																		
CAN.021	AEHD37, MK13959B1	27.9	-15.5				0.01 L3b1a12	L3b1a+C16124T!	L3b1a+	L3	L3											C16124T!	YFull						
CH506	Bakabunde	32.8	-79.9	?			0.04 L3b2a (9.9899)	L3b2a	L3b2a	L3	L3																		
CH503	Lima	32.8	-79.9	?			0.02 L3b3 (9.9905)	L3b3	L3b3	L3	L3																		
I18511	S143	21.1	30.7	?			0.32 L3f1a1	L3f1a1	L3f1a1	L3	L3																		
I12134	PI.02.01	-0.55	36.1	?		0.06	L3f1b	L3f1b	L3f1b	L3	L3																		
JK2965		1635	29.9	31.2			0.04 HV1a7b1	L3f1b+C16292T!	L3f1b+*	HV	HV																		
CH512	Ulume	32.8	-79.9	?			0.19 L3f1b + 16292 (0.963)	L3f1b C16292T	L3f1b	L3	L3																		
Guanche48		28.5	-16.3				0.02 L3d	L3d	L3d	L3	L3			16124															
Priego58		37.4	-4.2				0.02 L3d	L3d	L3d	L3	L3			-86!16Mbo!, -100!64Yao!, 16124, 16223															
MN38		38.5	23.6			103.507	0.07 L3h1a1	L3h1b1	L3h1b1	L3	L3																		
CH508	Mbangi	32.8	-79.9	M			0 L3h5a (0.9808)	L3h5	L3h5	L3	L3			Haplogrep 2.0															
MS-466	ZVG466	21.6	11.1	M			0.02 L3i	L3i	L3i	L3	L3																		
mfo001	Mfongosi, 1925/036.C	27.4	32.2	?			0.08 L3e1b	L3e1b	L3e1b	L3	L3			16037 16037G 16223T 16278T															
CH513	Zimbo	32.8	-79.9	M			0 L3e1a (9.9477)	L3e1a	L3e1a	L3	L3			Haplogrep 2.0															
CH531	Tima	32.8	-79.9	?			0 L3e1a (0.9888)	L3e1a	L3e1a	L3	L3			Haplogrep 2.0															
Guanche3		28.2	-16.8				0.02 L3e2	L3e2	L3e2	L3	L3			16175															
CH536	Isi	32.8	-79.9	?			0 L3e2a (0.9749)	L3e2a	L3e2a	L3	L3			Haplogrep 2.0															
CH537	Wekela	32.8	-79.9	?			0 L3e2a (0.9749)	L3e2a	L3e2a	L3	L3			Haplogrep 2.0															
CH529	Pita	32.8	-79.9	?			0 L3e2b (0.9181)	L3e2b	L3e2b	L3	L3			Haplogrep 2.0															
Ieve001	2007/006.001, ieve00	-27.7	29.9	?			0.16 L3e2b1a2	L3e2b1a2	L3e2b1a2	L3	L3			Polymorphisms for called by (agent RSRS)*146T Haplofind, PhyloTree mtDNA Build 17 accessed 18Feb2016; some manual curation occrred as they state HaploFind is not well-adjusted to L0 lineages															
CH516	Wuta	32.8	-79.9	?			0.02 L3e3 + 152 (0.9762)	L3e3b-T152C!	L3e3b	L3	L3			Haplogrep 2.0															
CH519	Fumu	32.8	-79.9	M			0 L3e3b + 152 (0.9771)	L3e3b-T152C!	L3e3b	L3	L3			Haplogrep 2.0															
T-1		18.1	-66.6	M			0.62 L3e3b3 (quality: 57.1)	L3e3b3	L3e3b3	L3	L3			HaploGrep 2.0 with Phylotree mtDNA tree Build 17															
Ieve004		27.7	-29.5	?			0.25 L3e3b1	L3e3b1	L3e3b1	L3	L3			Polymorphisms for called by (agent RSRS)*146T Haplofind, PhyloTree mtDNA Build 17 accessed 18Feb2016; some manual curation occrred as they state HaploFind is not well-adjusted to L0 lineages															
I13979	Banza	32.8	-79.9	M			0.09 L3e3b1 (0.9755)	L3e3b1	L3e3b1	L3	L3																		
I13979	GD1.01, Ind. 11	-3.48	35.3	?		142.1	0.04 L3e1	L3e1	L3e1	L3	L3			16192T 16311C															
HAR1.568*		46.7	19	?			0.08 L3fa1	L3fa1	L3fa1	L3	L3				L3fa1a2a	RecArLab_x44.3													
I10719	NJ.02.01	-0.39	35.9	?		248.53	0.14 L3fa1a1	L3fa1a1	L3fa1a1	L3	L3																		
I13970	G3.02, Ind. 13	-3.48	35.3	F		8.827	0.56 L3fa1a2a1	L3fa1a2a1	L3fa1a2a1	L3	L3																		
Goyet Q376-5		50.3	4.28				0.02 M	M	M	M	M			--															
Oelze1	Oelze1	40.7	17.6				0.51 M	M	M	M	M			--															
LaRochette			45	1.09			0.51 M	M	M	M	M			--															
Minato1		34.7	135				M*	M*	M*	M	M																		
SB21		76.1	153				0.15 M	M	M	M	M																		
TD28/F256		34.9	40.5	M			0.07 M49/M61	M49/M61	M49/M61	M49	M49																		
Y4		35.8	103	U			0.07 M	M	M	M	M			16140 16223 16343															
Y6		35.8	103	U			0.07 M*	M*	M*	M	M			16223 16256 16260															
Y5		35.8	103	F			0.07 M*	M*	M*	M	M			16223 16256 16260															
Xiaohe117		40.3	88.7	F			0.06 M*	M	M	M	M			223-304															
T29-12		40.3	88.7	M			0.06 M*	M	M	M	M			129-223-304															
T35-1		40.3	88.7	M			0.06 M*	M	M	M	M			184-223-298-319															
M20053		35.5	111.7	U			0.06 M*	M	M	M	M			91, 129, 221 00400!															
M21506		35.5	111.7	U			0.05 M*	M	M	M	M			174, 192, 2(10400!															
I12444	Grave 35, single burie	34.8	72.3	F			0.05 M*	M	M	M	M			--															
I8458	BCF5 B27	17.4	103	F			0.05 M*	M	M	M	M			M74b2	RecArLab_x44.3														
JK_21_051	BK_11	39.5	98.2				0.05 M*	M	M	M	M																		
Gavaert8F		38.1	85.5	M			0.05 M*	M	M	M	M			93															
Gavaert8D		38.1	85.5	M			0.05 M*	M	M	M	M			93															
Gavaert2E		38.1	85.5	F			0.05 M*	M	M	M	M			200 223 362															
Yuanhao20	19	43.3	77.1	?			0.04 M*	M	M	M	M			223 286															
Yuanhao16		39.9	81.6	?			0.04 M*	M	M	M	M			16223 16253															
Yuanhao12		39.9	81.6	?			0.04 M*	M	M	M	M			16223 16256															
Yuanhao7		39.9	81.6	?			0.04 M*	M	M	M	M			16184 16223															
	92	49.6	103	M			0.01 M	M	M	M	M																		DYS19:13; DYS390:24; DYS391:10; DYS392:15; DYS393:13; YCAII:19/20; DYS385:15/17; DYS389I:29
	90	49.6	103	F			0.04 M	M	M	M	M																		
EG92		49.6	103	M			0.04 M	M	M	M	M			16066G, 16223T, 16311C															
EG90		49.6	103	F			0.04 M	M	M	M	M			16129A, 16223T															
L1		37	80.1	M			0.04 M	M	M	M	M			223 294 327															
Y3		37	80.1	U			0.04 M	M	M	M	M			113 223															
Y70		36.7	102	F			0.03 M	M	M	M	M			91-129-193-223-304-311-357															
X737		36.7	102	M			0.03 M	M	M	M	M			221-263-362															
Xianbei4		41.7	121				0.03 M	M	M	M	M			000, 174, 192, 223	1040T														
CP19		48.3	17.5	F			M	M	M	M	M			16223T, 16270T															
CP107		48.3	17.5	U			M	M	M	M	M			16223T, 16270T															
Wangqu3		34.1	116				0.01 M	M	M	M	M			12007, 15043, 5301, 5714, 13104, 16223, 16294															
Wangqu13		34.1	116				0.01 M	M	M	M	M			15043															
Wangqu12		34.1	116				0.01 M	M	M	M	M			Back to Mt16:CC-7-2289 mtDNA samples	14025C, 16093C, 16172C,16267mvC														
I2121	R33	30.3	79.7				0 M	M	M	M	M			--															
I517	R67	30.3	79.7				0 M	M	M	M	M			--															
Zlaty_kun	Zlatý kůň	49.9	14.1	F			0.4 M*	M*	M*	N	N			--															
I2063	Dou3	42.3	43.3				0.42 N	N	N	N	N			--															
I4729	SATSU L529	42.2	42.9				0.41 N	N	N	N	N																		
H70		36.4	38.2				0.16 N*	N*	N*	N	N			16356C															
Ara10		40.9	8.25				0.13 N*	N*	N*	N	N			A10129G T16187C C16189T G16230A T16278C C16311T G16390A															
TK RS H1	GX-30324-AM5	24.6	11.1	F			0.12 N*	N	N	N	N				Y-Full														
CJP5		38.4	-8.51				0.12 N*	N	N	N	N			C16111T A16129G T16187C C16189T G16230A T16278C C16311T															
TK RS H9	GX-3107	24.5	11.3	F			0.11 N*	N	N	N	N			Y-Full															
Sardaana63		42.6	-2.58				0.08 T/X	T/X	T/X	T	T																		
Sardaana64		42.6	-2.58				0.08 T/X	T/X	T/X	T	T																		
Sardaana62		42.6	-2.58				0.08 T/X	T/X	T/X	T	T																		
EDM101		42.1	110	F		11.379	0.07 N	N	N	N	N																		
M12		34.2	104	U			0.07 N*

ObjectID	Colloquial-Skeletal	Lat	Lon	Sex	mtDNA-cons	mtDNA-haplogroup	mtDNA-Haplotree	mt-FTDna	mt-HTDna	mt-HTDna-mt-Haplotree	mt-Sin-no-5-HVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible	Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu	ISOGD2019	FTDNA	Y-Haplotree
Ty19		54	91.5		0.11	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty114		54	91.5		0.11	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty84		54	91.5		0.11	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty62		54.7	90.8		0.11	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty115		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty159		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty96		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty101		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty88		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
Ty86		54.7	90.8		0.08	T1	T1	T1	T1	T1	T1	?		16126C-16149T/G																		
JK2982	1627	29.9	31.2		0.08	T1a5	T1*	T1a	T1a5	T1a	T1	?		16126C, 16169G, 16188T, 16189C, 16243C, 16249T			YFull															
SK		56.4	65.9		0.08	T1	T1	T1	T1	T1	T1	?		C8431T* C13788A																		
PCA0003	MH402643	50.7	21.9	M	0.07	T1	T1	T1	T1	T1	T1	?		126C 169G 188T 189C 209G 294T 362C																		
I37	Tachta 5	54.3	90.9	F	0.07	T1	T1	T1	T1	T1	T1	?		16126, 16163, 16186, 16188, 16294, 16193D																		
W38		52.6	1.3		0.04	T1	T1	T1	T1	T1	T1	?		16126, 16163, 16186, 16188, 16294, 16193D, 16239																		
W25		52.6	1.3		0.04	T1	T1	T1	T1	T1	T1	?																				
Rathaus101	KH130142	54.5	9.62	M	0.03	T1	T1	T1	T1	T1	T1	?																				
Rathaus60	KH130136	54.5	9.62	F	0.03	T1	T1	T1	T1	T1	T1	?																				
G201	KH150179	54.8	11.5		0.03	T1	T1	T1	T1	T1	T1	?																				
G65	KH150145	54.8	11.5		0.03	T1	T1	T1	T1	T1	T1	?																				
HGH-1316		53.9	10.7	M	0.03	T1	T1	T1	T1	T1	T1	?			HaploFind																	
ELW0037		49	10.1	F		T1	T1	T1	T1	T1	T1	?																				
ELW0239		49	10.1	F		T1	T1	T1	T1	T1	T1	?																				
I41	R41	30.3	79.7			T1	T1	T1	T1	T1	T1	?		16223, 14766, 11719, 8701, 12705, 9540, 2706, 16																		
KU21	n. sapiens cranium 2(	44.8	94.3		0.79	T1a (b7)	T1a(b7)	T1a	T1a(b7)	T1a	T1	?																				
U194	AG88_1	32	36.7	F	21.3	0.42	T1a	T1	T1a	T1a	T1	?																				
U247	Gorsav4	46.4	20.3	F	10.4	0.31	T1a	T1a	T1a	T1a	T1	?																				
KF98	AS61	36.6	22.4	F	3.66	0.3	T1a	T1a	T1a	T1a	T1	?		16126c 16163g 16188t 16189c 16294t																		
KEF93		46.7	17.2		0.28	T1a	T1a	T1a	T1a	T1a	T1	?		16126c 16163g 16188t 16189c 16294t																		
KEF92		46.7	17.2		0.28	T1a	T1a	T1a	T1a	T1a	T1	?																				
Pacrova3		47.5	27.9	F	0.24	T1a	T1a	T1a	T1a	T1a	T1	?		T16126C A16129G T16140C A16163G C16187 T16187C T16223C G16230A T16278C C16294T C16311T																		
ELIS 31		51.2	11.8		0.2	T1a	T1a	T1a	T1a	T1a	T1	?		T16126C A16129G A16163G C16187 T16187C T16223C G16230A T16278C C16294T C16311T																		
ELIS 25		51.2	11.8		0.2	T1a	T1a	T1a	T1a	T1a	T1	?		T16126C A16129G A16163G C16187 T16187C T16223C G16230A T16278C C16294T C16311T																		
QUR1W 3		51.8	11.1		0.18	T1a	T1a	T1a	T1a	T1a	T1	?		T16126C 16140G 16163G C16187 T16187C T16223C G16230A T16278C C16294T C16311T																		
QUR 31		51.8	11.1		0.18	T1a	T1a	T1a	T1a	T1a	T1	?		T16126C 16140G 16163G C16187 T16187C T16223C G16230A T16278C C16294T C16311T																		
IF180	S7180 E1.L1	32	34.9	F	2.62	0.17	T1a	T1a	T1a	T1a	T1	?		C16187, T16189C																		
Cladinvallar2		57.2	7.41	M	0.16	T1a	T1a	T1a	T1a	T1a	T1	?																				
I10097	I10097.E1.L1	32.6	35.7	F	80.9	0.16	T1a	T1a	T1a	T1a	T1	?																				
A_14	A_14	52.1	93.6		0.12	T1a	T1a	T1a	T1a	T1a	T1	?																				
RD11	RD11	47.2	39.7		0.11	T1a	T1a	T1a	T1a	T1a	T1	?																				
RD6	RD6	47.2	39.7		0.11	T1a	T1a	T1a	T1a	T1a	T1	?																				
T5007.T2B	T5007.T2B	48.6	89.2		0.1	T1a	T1a	T1a	T1a	T1a	T1	?																				
Pr11	Pr11	52.1	53.9		0.1	T1a	T1a	T1a	T1a	T1a	T1	?																				
UN98		49.7	-1.74		0.1	T1a	T1a	T1a	T1a	T1a	T1	?																				
JK2972	1671	29.9	31.2		0.1	T1a5	T1a	T1a	T1a5	T1a	T1	?			Haplogrep/Phylotree build14																	
EKF 1663		48.3	11.9	F	0.07	T1a	T1a	T1a	T1a	T1a	T1	?		16126C, 16163G, 16188T, 16189C, 16294T																		
EKF 1704		48.3	11.9	M	0.07	T1a	T1a	T1a	T1a	T1a	T1	?		16126C, 16163G, 16188T,16189C, 16294T																		
EKF 1664		48.3	11.9	M	0.07	T1a	T1a	T1a	T1a	T1a	T1	?		16126C, 16163G, 16188T,16189C, 16294T																		
MS-C	ZVG/C	21.6	31.1	M	0.07	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16163G 16188T 16189C 16238T 16311C																		
Sukt396.555B		46.5	20.5	M	0.06	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16163G 16188T 16189C 16294T																		
S1		48.3	18.1		0.05	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16129G 16163G 16188T 16189C 16223C 16230A 16278C 16294T 16311T																		
S5		48.3	18.1		0.05	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16129G 16163G 16188T 16189C 16223C 16230A 16278C 16294T 16311T																		
Ca4		48.4	18		0.05	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16129G 16163G 16188T 16189C 16223C 16230A 16278C 16294T 16311T																		
Kiszi37.T3B		46.2	20.4	M	0.05	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16163G 16188T 16189C 16294T																		
MS,161.h.13L.531B		47.5	19	M	0.05	T1a	T1a	T1a	T1a	T1a	T1	?		16126C 16163G 16188T 16189C 16294T																		
W18		52.6	1.3		0.04	T1a	T1a	T1a	T1a	T1a	T1	?		16126, 16163, 16186, 16188, 16294																		
W32		52.6	1.3		0.04	T1a	T1a	T1a	T1a	T1a	T1	?		16126, 16163, 16186, 16188, 16294																		
Frisage42		47.4	-0.2		0.03	T1a	T1a	T1a	T1a	T1a	T1	?		16126, 16163, 16186, 16188, 16294. Reported T1.																		
Frisage41		47.4	-0.2		0.03	T1a	T1a	T1a	T1a	T1a	T1	?		16126, 16163, 16186, 16188, 16294. Reported T1.																		
I3.3		50	5.5		0.03	T1a	T1a	T1a	T1a	T1a	T1	?		16126C,16163G, 16188T, 16189C																		
I3870	R03	30.3	79.7		0.01	T1a	T1a	T1a	T1a	T1a	T1	?		16294, 16223, 12631, 11251, 15452, 8701, 15607,																		
Karos5718	KY0E8710.1	48.3	21.7	F	0.04	T1a1b	T1a1b	T1a1b	T1a1b	T1a1b	T1	?		126C 169G 294G 295G T5207 T11718A!G!R4 + C16!Y!Full																		
Karos5119	KY0E8711.1	48.3	21.7	U	0.04	T1a1b	T1a1b	T1a1b	T1a1b	T1a1b	T1	?		126C 169G 234G 263G T5207 T11718A!G!R4 + C16!Y!Full																		
JK2959		1624	29.9	31.2	0.09	T1a	T1a	T1a	T1a	T1a	T1	?																				
VK435	Gotland_Frogel-D2500	57.3	18.2	F	17.8	0.13	T1a6a	T1a6a	T1a	T1a6a	T1	?		73G 263G 709A 750G 1438G 1888A 2706G 4216C Haplogrep, KloosBrandäläterMumMutat2011																		
JK2884		1583	29.9	31.2	0.11	T1a6	T1a6*	T1a6	T1a6*	T1a6	T1	?																				
JK2889	1608 JK2143	29.9	31.2	M	0.26	T1a7	T1a7	T1a7	T1a7	T1a7	T1	?																				
JK2890		1569	29.9	31.2	M	0.25	T1a7	T1a7*	T1a7	T1a7*	T1	?																				
JK2886		1513	29.9	31.2		0.22	T1a7	T1a7*	T1a7	T1a7*	T1	?																				
JK2887		1588	29.9	31.2	M	0.21	T1a7	T1a7*	T1a7	T1a7*	T1	?																				
JK2961		1596	29.9	31.2		0.19	T1a7	T1a7*	T1a7	T1a7*	T1	?																				
I6333	517	21	30.7	F	0.12	T1a7	T1a7*	T1a7	T1a7*	T1a7	T1	?																				
JK2966		1654	29.9	31.2	0.21	T1a7	T1a7*	T1a7a	T1a7a	T1a7a	T1	?																				
JK2876		1570	29.9	31.2	0.32	T1a8a	T1a8a	T1a8a	T1a8a	T1a8a	T1	?																				
ETR001		41	12.7	F	0.27	T1a8b	T1a8a	T1a8a	T1a8a	T1a8a	T1	?																				
I3180	CHPKL109M-031	33	35.3	F	28.6	0.35	T1a+152	T1a	T1a-T152CI	T1a	T1	?																				
ann42	Godedzior UF70s, Ir /39.6	45.9			0.31	T1a	T1a	T1a	T1a-T152CI	T1a	T1	?				T152CI	YFull														
TAM201		57.1	40.7		0.27	T1a1b+@152	T1a	T1a	T1a-T152CI	T1a	T1	?																				
DM01	Derrynamanagh01	53.3	-8.55	F	0.09	T1a1b+152	T1a	T1a	T1a-T152CI	T1a	T1	?		1467, 1527, 1719A, 10316!16R!C																		
JK2862	Levaántsica1_MN04	42.9	17.4		0.08	T1a1b+@152	T1a	T1a	T1a-T152CI	T1a	T1	?		73G 263G 310C 709A 750G 1438G 1888A ZJ:Phylo!tree mtDNA Build 17, 18 (Feb 2016)																		
JAR 22		51.3	11.7		0.36	T1a1'3	T1a1'3	T1a1'3	T1a1'3	T1a1'3/Tla+(T)a+(T)a	T1	?		T16126C A51C467 A247G																		
JAR 41		51.3	11.7		0.36	T1a1'3	T1a1'3	T1a1'3	T1a1'3	T1a1'3/Tla+(T)a+(T)a	T1	?		T16126C A51C467 A247G																		
JAR 31		51.3	11.7		0.28	T1a1'3	T1a1'3	T1a1'3	T1a1'3	T1a1'3/Tla+(T)a+(T)a	T1	?		T16126C A51C467 A247G																		
I5006	Kat16	40.4	-43.9	F	404.9	0.21	T1a1'3	T1a1'3	T1a1'3	T1a1'3/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I3105	Yamna4	48.2	37.1	F	963.9	0.18	T1a1*	T1a1*	T1a1*	T1a1*/Tla+(T)a+(T)a+(T)a+(T)a	T1	?					YFull															
I3107	VLI007_merged	50.4	34.4			T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I3550	KAR22A	51.3	11.7	F	181	0.29	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I6624	KF407.E1	49.8	35.7	F	79.7	0.27	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?		HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)																		
KND207	KND207.AD20.TF1.1	50.1	14.3	F		T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
VUD07	VUD07.AD101.TF1.1	50.4	14.4	F		T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I2418	Kurgan 4, Grave 1, SV	52.9	51.7	F	187	0.25	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I5090	102A, Kurgan 4, burial	52.8	60.5	F	130.9	0.25	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I5761	KZ-KGR-052, Karaman-L	48.7	77.7	F	57.4	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I4852	Nature 551	50.1	14.5	F	100	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?					YFull															
RISE484	I0 772/L17/D-Q3 (P28)	47.3	18.9	F	0.24	T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I8797	Tomsk_4352_inventa	50.1	74.4	F	98.2	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I8791	Tomsk_4341_inventa	50.1	74.4	F	114	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I8788	Tomsk_4314_inventa	52.6	82.7	F	41.7	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I3395	Sofia60_collection-38	55.2	60.3	F	672	0.24	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I6324	KZ-MOT.DS, Zdjecki 5,	47	80.7	F	418	0.23	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I2422	SVP30, Barnovka I, ku	52.5	58.5	F		T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I7500	KZ-Kah-005, Cry Tchaka,	42.7	73.1	F	249.9	0.22	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
ASH068	38.74.1985 (ASH007#!	31.7	34.6	F	0.2	T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I3709	Bi-25	43.4	76.4	F	0.19	T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I12138	Grave 140, single buri	34.8	72.4	F	0.19	T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I12079	Grave 131, individual	34.8	72.4	F	391.9	0.18	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I13220	Grave 169, individual	34.8	72.4	M	131.2	0.18	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I6302CL	Bisobe mound 3, burial	38.2	68.9	F	5.1	0.15	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I4622		38.2	67.2	F	34	0.15	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I4626		38.2	67.2	F	34	T1a1	T1a1	T1a1	T1a1	T1a1/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I3125		48.3	18.1		0.04	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
G9	Grave A(2)	55.5	10.3	M	0.04	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
vk_vg020	vk_vg020	56.6	17.7	F	0.04	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
Rathau219	KH130189	54.5	9.62	F	0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
I6159		52.9	14.2	F	0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
B1205A		52.9	14.2	F	0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
B1201		52.9	14.2	F	0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
SA1999 LA87		37.7	30.5		0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
Frisage40		47.4	-4.2		0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				
G129	KH150159	54.8	11.5		0.03	T2	T2	T2	T2	T2/Tla+(T)a+(T)a+(T)a+(T)a	T1	?																				

Y-Sym	Y-SymbolQ	Responsible-SN	SNPs	Autosomi Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
							PilipenkoPLoSONE2018		9–6 centuries BC	-700	-900	-500	Siberia_West_JA	Early Tagar, Bi(dmoki group (post-Podgornovo)		Kichik-Kyuzyur	Kurgan 2, burial 2Kuzeu	
							PilipenkoPLoSONE2018		9–6 centuries BC	-700	-900	-500	Siberia_West_JA	Early Tagar, Podgornovo group		Kichik-Kyuzyur	Kurgan 2, burial 4Kuzeu	
							PilipenkoPLoSONE2018		9–6 centuries BC	-700	-900	-500	Siberia_West_JA	Early Tagar, Podgornovo group		Kichik-Kyuzyur	Kurgan 2, burial 5Kuzeu	
							PilipenkoPLoSONE2018		9–6 centuries BC	-700	-900	-500	Siberia_West_JA	Early Tagar, Podgornovo group		Podgornoe ozero	Kurgan 29, burial 8Kuzeu	
							PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	Siberia_West_JA	Middle Tagar, Saraguh group		Bariuchiha-2	Kurgan 1, burial 1Kuzeu	
							PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	Siberia_West_JA	Middle Tagar, Saraguh group		Bariuchiha-2	Kurgan 1, burial 2Kuzeu	
							PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	Siberia_West_JA	Middle Tagar, Saraguh group		Bariuchiha-3	Kurgan 6, horizonRuzeu	
							PilipenkoPLoSONE2018		5–3 centuries BC	-350	-500	-200	Siberia_West_JA	Middle Tagar, Saraguh group		Bariuchiha-3	Kurgan 6, horizonRuzeu	
							PilipenkoPLoSONE2018		2–1 centuries BC	-100	-200	-1 ?	Siberia_West_JA	Late Tagar, Tes' group		Bariuchiha-1	Kurgan 1, burial 3Kuzeu	
							PilipenkoPLoSONE2018		2–1 centuries BC	-100	-200	-1 ?	Siberia_West_JA	Late Tagar, Tes' group		Bariuchiha-1	Kurgan 1, burial 4Kuzeu	
							KnuutenSanGenetica2017		92-1 calBC	-46.5	-92	-1	Egypt_Ptolemaic	Ptolemaic period		Abusir el-Meleq	Egypt	
							BeneveBeatlaPlosBio2020		500 BC-1000 AD	1	-500	800	Sarget	Sargat culture		Sopinnikiy, Kurgan burial	Russia	
							Figlerowicz2019		200-400 AD	200	200	400	Germanic	Wielbark, Masłomęcz		Masłomęcz	Poland	
							KesyartSanGenet2009		100-400 AD	250	100	400	Siberia_West_JA	Tashtyk IA		Bogradaty region, Abakano-Pirtsyurial 4	Russia	
							TeepMoBiolEvol2006		890-1020 AD	1005	890	1020	Anglo-Saxon	Anglo-Saxon Late		Castle Mall, Norwich	Great Britain	
							TeepMoBiolEvol2006		890-1020 AD	1005	890	1020	Anglo-Saxon	Anglo-Saxon Late		Castle Mall, Norwich	Great Britain	
							KrauseFpcarAncCommun2018		1070-1210 AD	1140	1070	1210	25-30	Nordic_MA		Rathaucmarkt	Denmark	
							KrauseFpcarAncCommun2018		1070-1210 AD	1140	1070	1210	55-65	Nordic_MA		Rathaucmarkt	Denmark	
							KrauseFpcarAncCommun2018		1100-1400 AD	1250	1100	1400	Nordic_MA	Denmark medieval		Revshale	Denmark	
							KrauseFpcarAncCommun2018		1100-1400 AD	1250	1100	1400	Nordic_MA	Denmark medieval		Revshale	Denmark	
							HaploFOXN2021	Archaeological context		HGH-1429, HGH-153	1311	1259	1362	33-38	Germany_LMA		Hanseatic League	Lübeck, Schleswig-Holstein	Hellgen-Geist-H	Germany
		30529	0.0107		ELW017, ELW039 (2* dep		Mittnik,PNAS2018		1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern		Elwangen	Germany	
		28959	0.0094		ELW036, ELW007 (1* dep		Mittnik,PNAS2018		1,486–1,627 calAD	1557	1486	1627	CEU_EM	Germany Early Modern		Elwangen	Germany	
							HarneyNature2019			1750	1700	1800	Siberia_West_JA	Novokuznetskaya		Rosoplund_LU	Rosoplund Lake	India
							Schuh2021			-(P7)	-15000	-18000	-14000	Palaeolithic		Palaeolithic	Ukraine Palaeolithic	Kiiit-Kabe	Ukraine
167085	0.164	0.187	QUESTION	n/a			LazaridisNature2016	Direct: 95.4%; ImEcaD2	Ox:7401-7056 calBCE (8	-7209	-7401	-7056	Levant_N	PPNB		Jordan_PPNB_contam	'Ain Ghazal	Jordan	Jordan
66240	0.059	0.046	PASS (dam	n/a			LipsonNature2017	Contient: Archaeological	ca. 5000-4500 BCE	-4750	-5000	-4500	Balkans_LN	Tisza_LN		Tisza_LN_Tisza_published	Hódmezővásárhely-Gorsza	Hungary_LN_Tisza	Hungary
1954511	1.95451	0.14	PASS	n/a			MathieusNature2018	Contient: Direct data)	5500-3600 BCE	-4550	-5500	-3600	Greece_N	Greece_Peloponnese_Neolithic		Dros, Aspropyrgos Cave	Dros, Aspropyrgos Cave	Greece_Peloponnese_N	Greece
							SolcianyPNagyProcRSocLond2015		4340-4070 calBC	-4160	-4340	-3980	Balkans_CA	Balaton_Lasinja_MCA		Keszthely-Fenékpuszta Pusztaszentegyháti dűlő	Hungary		Hungary
							SolcianyPNagyProcRSocLond2015		4340-4070 calBC	-4160	-4340	-3980	Balkans_CA	Balaton_Lasinja_MCA		Keszthely-Fenékpuszta Pusztaszentegyháti dűlő	Hungary		Hungary
1111152							ImmeTemrukBiolArp2020		3341-3114 calBC	-3228	-3341	-3114	60-65	Trypillia_Late	Gordinesti	Gordinesti		Moldova
							BrandtScience2013		2800-2200/2050 cal	2450.5	-2800	-2050		Bell_Beaker		Bell Beaker culture	Eulau		Germany
							BrandtScience2013		2800-2200/2050 cal

Object-ID	Colloquial-Skeletal	Lat/Lon	Lon/Lat	Sex	mtDNA-c.rcrsT	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-SN-mt-5.9-YSI-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree	Y-Haplotree-2	Y-Haplotree-FT	Y-FTD-YFull	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree
HGH-1234		53.9	10.7 M		0.03 T2	T2	tree T2	tree T2		T2	?			Haplofind													
HGH-1516		53.9	10.7 M		0.03 T2	T2	tree T2	tree T2		T2	?			Haplofind													
R1		55	11.9		0.02 T2	T2	tree T2	tree T2		T2	?		16126C,16153A,16294T														
SJ1549		43.8	10.5		0.01 T2	T2	tree T2	tree T2		T2	?		16126C 16294T 16296T														
W29		52.6	1.3		0.05 T27	T27	tree T27	tree T27		T2	?		16126, 16294, 16304, 16192, 16260														
W49		52.6	1.3		0.05 T27	T27	tree T27	tree T27		T2	?		16126, 16294, 16304, 16192, 16260														
RK1007	BZNK-035/2, kurgan 2	46.5	41.1 F		0.12 T2a1	T2a1	tree T2a1	tree T2a1		T2	?			Unspecified													
I5271	Tomsk_1952_inventio	50.8	85.6 F		24.5 T2b4	T2b4	tree T2b4	tree T2b4		T2	?																
NW204		57.5	39.7 M		0.36 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?			-													
SK1		59.1	25.2 M		0.34 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?			-													
I2459	I5684_62014	51.2	-1.77 F		334 0.33 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
I2460	I5684_62017	51.2	-1.77 F		302 0.33 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
I8774	DAKD2/W12_GR96_O	52.3	0.06 F		0.11 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?																
VK339	Denmark_Hvesaa0grg	56	10.2 F		54.4 0.08 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?		16126														
VK287	Greenland KNK (BEI) (-	61	-45.4 F		135.9 0.08 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?		16126														
VK6	Greenland_KFB	61	-45.4 F		272.6 0.07 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?		16126														
I2166	RIV530946	55.4	10.4 F		0.04 T2a1a	T2a1a	tree T2a1a	tree T2a1a		T2	?		16126														
VI1050	Vestynska-1 BZNK-311	44	42.2 F		0.39 T2a1b	T2a1b	tree T2a1b	tree T2a1b		T2	?		16126														
Rein 30	Inv. 381	42.4	-3.49 M		0.35 T2a1b	T2a1b	tree T2a1b	tree T2a1b		T2	?		16126														
BZH 5		51.8	10.9		0.26 T2a1b	T2a1b	tree T2a1b	tree T2a1b		T2	?		16126														
KN14		54	90.7 F		0.25 T2a1b	T2a1b	tree T2a1b	tree T2a1b		T2	?		16126														
GLN120 GI		47.9	9.61		0.13 T2a1b	T2a1b	tree T2a1b	tree T2a1b		T2	?		16126														
KAR001		60.5	38.9 FT		0.52 T2a1b1	T2a1b1	tree T2a1b1	tree T2a1b1		T2	?			-													
TIM010		57.1	40 M		0.29 T2a1b1	T2a1b1	tree T2a1b1	tree T2a1b1		T2	?			n/a													
I5106	ESP26	51.4	11.7 F		0.27 T2a1b1	T2a1b1	tree T2a1b1	tree T2a1b1		T2	?		16126C														
VK597	LUZ-DK-003, Dashl-Ko	39.4	68 F		531.2 0.22 T2a1b1	T2a1b1	tree T2a1b1	tree T2a1b1		T2	?																
LRV 137	F283	40.8	16.3		0.11 T2a1b1	T2a1b1	tree T2a1b1	tree T2a1b1		T2	?																
I2981	GENSCOT80	59.3	-2.43 F		1100.2 0.23 T2a1b1a	T2a1b1a*	tree T2a1b1a*	tree T2a1b1a*		T2	?																
MJ-08		62	49.3	35.4 F	0.16 T2a1b1a	T2a1b1a	tree T2a1b1a	tree T2a1b1a		T2	?			--													
CAH310	CAH310.B0102.TF1.1	50.4	13.4 F		T2a1b1a	T2a1b1a	tree T2a1b1a	tree T2a1b1a		T2	?																
KN0102	KN0102.AE101.TF1.1	50.1	14.3 F		T2a1b1a1	T2a1b1a1	tree T2a1b1a1	tree T2a1b1a1		T2	?																
VK393	Sweden_Skara 27	58.4	13.7 F		226.6 0.06 T2a1b1a2	T2a1b1a2	tree T2a1b1a2	tree T2a1b1a2		T2	?																
pos794		50.9	25.8 M		T2a1b1a2	T2a1b1a2	tree T2a1b1a2	tree T2a1b1a2		T2	?																
AF19		36.8	5.06		0.64 T2b	T2b	tree T2b	tree T2b		T2	?																
I5704	DZHU 7	43.2	25.9 F		- 0.4 T2b	T2b	tree T2b	tree T2b		T2	?																
BAN01	I525,	46.2	18.7 M		- 0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
VIN01	3,	45.3	18.8		0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
VUK014	4,	45.3	19		0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
BAN020	I516,	46.2	18.7 F		0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
AKT6g	Aktopraklik	40.2	28.8 M		0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
BAN01	I688,	46.2	18.7 F		0.39 T2b	T2b	tree T2b	tree T2b		T2	?																
Klein4	Kleinhaderad.	48.6	16.6 F		0.38 T2b	T2b	tree T2b	tree T2b		T2	?																
Klein10	Kleinhaderad.	48.7	16.6 F		0.38 T2b	T2b	tree T2b	tree T2b		T2	?																
Aup4		48.6	16.5 F		0.37 T2b	T2b	tree T2b	tree T2b		T2	?																
DEB 39		51.9	10.9 F		0.37 T2b	T2b	tree T2b	tree T2b		T2	?																
I8826	LBK2155	48.8	9.18 F		121.3 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I8825	LBK1992	48.8	9.18 F		273 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I8038	HNL450	51.9	11 F		- 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I2022	HAL22b	51.9	11 F		168 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I2021	S2021	48.8	9.18		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I2005	HAL03a	51.9	11 F		- 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
DEB 15		51.9	10.9 F		- 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
NAU 1		51.2	11.8		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
HAL 30		51.9	11		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
SEK10		46	18.5		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I8136	KON3	47.6	17.4 F		333 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
AveD4		42.1	2.54 F		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
HARG 5	I85,	46.7	19 F		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
HARG 1	I15,	46.7	19		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
BUD 12	I31,	47.5	18.9		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
KON 3	I86,	47.6	17.4 F		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
KAR 15		51.3	11.7		0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
I5206	Ind. 23, SCH1, SS206.I	48.6	16.5 F		179 0.36 T2b	T2b	tree T2b	tree T2b		T2	?																
AUE8		46.2	18.7		- 0.35 T2b	T2b	tree T2b	tree T2b		T2	?																
ROS62	ROS62	48.5	7.47 F		132 0.34 T2b	T2b	tree T2b	tree T2b		T2	?			Haplofind and Phy-Mer, Phylotree build17													
VEM3		47.1	17.9		0.34 T2b	T2b	tree T2b	tree T2b		T2	?																
VEM1		47.1	17.9		0.34 T2b	T2b	tree T2b	tree T2b		T2	?																
ROS36		48.5	7.47		0.34 T2b	T2b	tree T2b	tree T2b		T2	?																
BAL21		46.2	18.7		0.33 T2b	T2b	tree T2b	tree T2b		T2	?																
CSA72b		47.5	18.6		0.33 T2b	T2b	tree T2b	tree T2b		T2	?																
WM1	Grab 1	52.1	10.6		0.33 T2b	T2b	tree T2b	tree T2b		T2	?																
POP12	SU1537 USI94	45.3	18.7 F		232.811 T2b	T2b	tree T2b	tree T2b		T2	?																
VE12		47.1	17.9		0.32 T2b	T2b	tree T2b	tree T2b		T2	?																
K1a.5		45.9	19.9 U		0.32 T2b	T2b	tree T2b	tree T2b		T2	?																
O60		52.6	18.8 M		0.32 T2b	T2b	tree T2b	tree T2b		T2	?																
Kuyavia43		53.2	18.5		0.32 T2b	T2b	tree T2b	tree T2b		T2	?																
I10050	PBL10-2	44.7	16.1 F	197	0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
I10275	PBL7	44.7	16.1 F	8.04	0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
I10295	PBL9	44.7	16.1 M	1.52	0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
I10272	PBL5-4	44.7	16.1 F	42.1	0.31 T2b+16311	T2b	tree T2b	tree T2b		T2	?																
RS2	Ig 35746a	51.3	12		0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
I4189	GEN200	46.2	18.7 F	62.7	0.31 T2b	T2b	tree T2b	tree T2b		T2	?			--													
RS1	Ig BC 1058	51.3	12		0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
SAL2 44		51.5	11.9		0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
SAL2 43		51.5	11.9		0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
GIL2		39.6	-8.4		0.31 T2b	T2b	tree T2b	tree T2b		T2	?																
BrA10		49.1	8.55		0.3 T2b	T2b	tree T2b	tree T2b		T2	?																
Rein 10	Inv. 2867–70	42.4	-3.49 M?		0.29 T2b	T2b	tree T2b	tree T2b		T2	?																
Rein 5	Ind. 5	42.4	-3.49 M		0.29 T2b	T2b	tree T2b	tree T2b		T2	?																
Rein 18	Inv. 3102–05	42.4	-3.49 M		0.29 T2b	T2b	tree T2b	tree T2b		T2	?																
Saetorp4627		55.8	13		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--													
Saetorp4815		55.8	13		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--													
Saetorp388		55.8	13		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--		151											
Klady1		49.2	8.2		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--													
Rey1		49	4.32		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--													
WE216		53.8	13.3 F		0.28 T2b	T2b	tree T2b	tree T2b		T2	?			--													
pos626		51.2	21.2	77	0.28 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
CB7003	Grave 1, 204-1103	40	34.6 F		- 0.28 T2b	T2b	tree T2b	tree T2b		T2	?			760.8616 : 1896 SNPs 16296 16304 9735C 10010C 10398C													
CLB 17		51.8	11.1		0.27 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
Isomuseum52		39.2	9.05 M		0.27 T2b	T2b	tree T2b	tree T2b		T2	?																
SAL2 63		51.5	11.9		0.27 T2b	T2b	tree T2b	tree T2b		T2	?																
pos49		50.3	20.4	71	0.26 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
pos538		50.3	20.4	38	0.26 T2b	T2b	tree T2b	tree T2b		T2	?																
I2370	GEN16a	47.3	19.2 F	42.1	0.26 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, G5475A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
Ste7		58.5	15.9		0.26 T2b	T2b	tree T2b	tree T2b		T2	?																
Rosi014	Rosi014	58.2	13.6 F		-6.6039 0.26 T2b (0.790)	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C				1026								
BEN2 6		51.8	10.9		0.25 T2b	T2b	tree T2b	tree T2b		T2	?																
I10285	Guines.88.Rem.4	51.4	1.57 F		0.25 T2b	T2b	tree T2b	tree T2b		T2	?																
BEN2 19		51.8	10.9		0.25 T2b	T2b	tree T2b	tree T2b		T2	?																
pos490		49.9	20.7	51	0.25 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T310C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G7521A, A8463G, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
RISE133	ind 1	50.2	20.6 F		- 0.24 T2b	T2b	tree T2b	tree T2b		T2	?			Haplogrep 2.2, PhyloTree build 17													
MS-116.2		46	18.6		0.24 T2b	T2b	tree T2b	tree T2b		T2	?			16089c 16126c 16294t 16296t 16304c													
Bar1		45.1	0.96		0.24 T2b	T2b	tree T2b	tree T2b		T2	?			T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16294T T16304C C16311T											
KON001	KON001.B0101.TF1.1	50.6	13.7 F		T2b	T2b	tree T2b	tree T2b		T2	?																
MP1a		45.9	10.9 F		0.24 T2b	T2b	tree T2b	tree T2b		T2	?			16037G 16126C 16294T 16296T 16304C													
MS-116.3		46	18.6		0.24 T2b	T2b	tree T2b	tree T2b		T2	?			16126c 16294t 16296t 16304c													
Ire68		57.8	18.6		0.23 T2b	T2b	tree T2b	tree T2b		T2	?			T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16294T T16304C C16311T											
I2683	GJ/95	37.9	30.7 F		583 0.23 T2b	T2b	tree T2b	tree T2b		T2	?																
MIR15		42.3	-3.5		0.23 T2b	T2b	tree T2b	tree T2b		T2	?			126C 294T 296T 304C													
MIR8		42.3	-3.5		0.23 T2b	T2b	tree T2b	tree T2b		T2	?			16126c 16294t 16296t 16304c													
Spreitenbach-Moosweg2		47.4	8.38 F		0.23 T2b	T2b	tree T2b	tree T2b		T2	?			133681, 61261, 16294T, 16296T, 16304C													
PRU003	PRU003.B0101.TF1.1	50.1	14.3 F		T2b	T2b	tree T2b	tree T2b		T2	?																
R07002		56.5	38.1 n/a		0.22 T2b	T2b	tree T2b	tree T2b		T2	?																
I5331	P0180	46.1	17.1 F		122 0.22 T2b	T2b	tree T2b	tree T2b		T2	?			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
pos268		52	50.4 20.6 F		119.396 0.22 T2b	T2b	tree T2b	tree T2b		T2	?			MHR2: 73G 263G; CR: 709A 750G 930A 1438G 188...								25397				
I6139	**I5035, RISE577,** Finist	50.2	14.3 F		276 0.21 T2b	T2b	tree T2b	tree T2b		T2	?			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
BM58A	MH60294.1	42.4	25.6		0.21 T2b	T2b	tree T2b*	tree T2b*		T2	?			73G 263G 709A 750G 930A 1438G	G5147A > G9 YFull												
GUP8	59/56 Schäbel A	53.7	12		0.21 T2b	T2b	tree T2b	tree T2b		T2	?																
RK189	individuum 2	47.3	8.22		0.21 T2b	T2b	tree T2b	tree T2b		T2	?																
I3255	TR432, skeleton 380	52.2	11.7 F		782 0.21 T2b	T2b	tree T2b	tree T2b		T2	?				YFull												
VU039	VU039.AE101.TF1.1	50.4	14.4 F		T2b	T2b	tree T2b	tree T2b		T2	?																
Mok22a		224	45.9	20.4 F	0.2 T2b	T2b	tree T2b	tree T2b		T2	?																
Mok9b		237	45.9	20.4 F	0.2 T2b	T2b	tree T2b	tree T2b		T2	?																
EUL 49		51.2	11.8		0.2 T2b	T2b	tree T2b	tree T2b		T2	?																
BZH 13		51.8	10.9		0.19 T2b	T2b	tree T2b	tree T2b		T2	?																
Ire018	M118	58.2	13.6 M		13.4677 0.19 T2b (0.825?)	T2b	tree T2b	tree T2b		T2	?																
ESP 18		51.4	11.7		0.19 T2b	T2b	tree T2b	tree T2b		T2	?																
arme6	Qarahamb-5; tomb 440	44.4	44.6		0.18 T	T	tree T	tree T		T2	?				G5147A > G9 YFull												
pos678		50.5	20.8 F		0.18 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T309A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
I2491	S-EVA 26054	41.7	-4.67 F		130 0.18 T2b	T2b	tree T2b	tree T2b		T2	?			HaploGrep2													
pos654		50.5	20.8 F		0.17 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T309A, A750G, G930A, A1438G, G1888A, A2706G, C8397, T4216C, A4769G, A4917G, G5147A, G6150A, C7028T, G8697A, A8860G, T10463C, C10827T, A11251G, G11719A, A11812G, A12030G, C12088T, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, T16304C, T16519C								
Turbjoda6		54.4	23.3 M		0.17 T2b	T2b	tree T2b	tree T2b		T2	?																
Turbjoda1948		54.4	23.3 M		0.17 T2b	T2b	tree T2b	tree T2b		T2	?																
I5626		55	52.1 -0.51 F		163 0.17 T2b	T2b	tree T2b	tree T2b		T2	?			HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
WE274		53.8	13.3 F		0.16 T2b	T2b	tree T2b	tree T2b		T2	?			A7SG, A2650G, T309A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C5386T, C7028T, G8697A, A8860G, T10463C, A11251G, G11719A, A11812G, G13368A, A14233G, C14767T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16294T, C16296T, T16304C, T16519C								
pos551		50.1	20.1 F		0.16 T2b	T2b	tree T2b	tree T2b		T2	?																
Ze_2	Ze_2	50.2	81.8		0.14 T2b	T2b	tree T2b	tree T2b		T2	?			Haplogrep/Phylotree build14													
Pol-2		37.6	13.8	97.79	0.14 T2b	T2b	tree T2b	tree T2b		T2	?			Phylotree Build 17													
Pol-6		37.6	13.8	97.79	0.14 T2b	T2b	tree T2b	tree T2b		T2	?			Phylotree Build 17													
I2074Z, I2076S	HUNG150, I2076S	47.5	19.1 F		0.13 T2b	T2b	tree T2b	tree T2b		T2	?																
J22_1*	J22_1*	49.8	89.3		0.12 T2b+@16296	T2b	tree T2b	tree T2b		T2	?			Haplogrep/Phylotree build14													
J12_7*	J12_7*	49.8	89.3		0.12 T2b+@16296	T2b	tree T2b	tree T2b		T2	?			Haplogrep/Phylotree build14													
J12_1	J12_1	49.8	89.3		0.12 T2b+@16296	T2b	tree T2b	tree T2b		T2	?			Haplogrep/Phylotree build14													
RI_5	RI_5	50.2	87.7		0.12 T2b+@16296	T2b	tree T2b	tree T2b		T2	?																
MS10614	MS10614	39	1.3 F		0.11 T2b	T2b	tree T2b	tree T2b		T2	?			Haplogrep/Phylotree build17													
RUM020	AT-588	47.8	102 F		0.1 T2b	T2b	tree T2b	tree T2b		T2	?																
3A		40.8	14.5 M		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16126-T > C 16294-C > T 16304-T > C													
3B		40.8	14.5 F		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16294-C > T 16304-T > C													
3D M 10-12		40.8	14.5 M		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16126-T > C 16294-C > T 16304-T > C													
2A M 8-9		40.8	14.5 M		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16126-T > C 16294-C > T 16304-T > C													
2C F 3		40.8	14.5 F		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16126-T > C 16294-C > T 16304-T > C													
2B M 12-14		40.8	14.5 M		0.1 T2b	T2b	tree T2b	tree T2b		T2	?			16294-C > T 16304-T > C													
S9		55.4	11.7		0.09 T2b	T2b	tree T2b	tree T2b		T2	?			16126C,16294T,16296T,16304C,16362C													
I8475	10-SU-28-D1-E-16	42.1	1.11 F		83.7 0.09 T2b	T2b	tree T2b	tree T2b		T2	?			HaploGrep2													
PCA0089	MH48269	50.7	23.9 F		- 0.08 T2b	T2b	tree T2b	tree T2b		T2	?			A9181C* C16278T													
I88		52.6	-1.14		0.08 T2b	T2b	tree T2b	tree T2b		T2	?			16126, 16294, 16304													
EKF 1662		48.3	11.9 M		0.08 T2b	T2b	tree T2b	tree T2b		T2	?			16126C, 16294T, 16296T,16304C													
I8566	NW_54	49	12.1 F		- 0.08 T2b	T2b	tree T2b	tree T2b		T2	?				Haplofind												
I8564	NW_255	49	12.1 F		- 0.08 T2b	T2b	tree T2b	tree T2b		T2	?				Hapl

Object ID	Colloquial-Skeletal	Lat	Lon	Sex	mtDNA-cons	mtDNA haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-YF FTDNA-mt-Haplotree	mt-SN	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree	Y-Haplotree	Y-FTD	YFull	Y-Yfu SOGQ2019	FTDNA Y-Haplotree
SokK398.550B		46.5	20.5	?	0.07	T2b23	T2b23	T2b23+	T2b23+T2b+T2b23	T2	?	16126C 16147T 16294T 16297C 16304C														
cleph12	c12	53.9	18.8	?	0.05	T2b23	T2b23	T2b23+	T2b23+T2b+T2b23	T2	?															
JK1941	Porvoo1, MN540538:	60.4	25.7	?	0.03	T2b23	T2b23	T2b23+	T2b23+T2b+T2b23	T2	?	73G 240G 263G 315.1C 709A 750G 930A 1438G 1Phylo:free mtDNA Build 17, 18 (Feb 2016)														
JK1932	Porvoo2, MN540539:	60.4	25.7	?	0.03	T2b23	T2b23	T2b23+	T2b23+T2b+T2b23	T2	?	73G 240G 263G 709A 750G 930A 1438G 1BBA 2 Phylo:free mtDNA Build 17, 18 (Feb 2016)														
DEB 33		51.9	10.9	??	?	T2b23a	T2b23a	T2b23a+	T2b23a+T2b+T2b23a	T2	?	T16126C A16129G C16147T T16187C C16189T T16223C G16230A T16278C C16294T C16296T T16297C T16304C C16311T														
UNS 7		51.7	11.5	?	?	T2b23a	T2b23a	T2b23a+	T2b23a+T2b+T2b23a	T2	?	T16126C A16129G C16147T T16187C C16189T T16223C G16230A T16278C C16294T C16296T T16297C T16304C C16311T														
KON 4	612.	47.6	17.4	?	?	T2b23a	T2b23a	T2b23a+	T2b23a+T2b+T2b23a	T2	?	16126c 16147t 16296t 16298t 16297c 16304c														
KON 5	612.	47.6	17.4	?	?	T2b23a	T2b23a	T2b23a+	T2b23a+T2b+T2b23a	T2	?	16126c 16147t 16294t 16296t 16297c 16304c								T321C	YFull					
LP148mt	G432, MN594983.1	55.3	8.76		0.04	T2b24	T2b24	T2b24*	T2b24+T2b+T2b24	T2	?															
PCP11	SU1227 U611	45.3	18.7	?	239.40	T2b3	T2b3	T2b3+	T2b3+T2b+T2b3	T2	?															
JA247	RISE698, sample 48,	46.7	40.4	-14.4	?	85.5	0.22	T2b3	T2b3+T2b+T2b3	T2	?	302.1AC; 309.1CCT; 310T4; 5460A														
JA1669	2468, Tomb 2	40.6	8.32	?	?	64.19	0.22	T2b3	T2b3+T2b+T2b3	T2	?															
JB74	VI-Lauc-1435	44.5	6.37	?	?	42.8	0.21	T2b3	T2b3+T2b+T2b3	T2	?															
JB79	T2-mtr8, U613	44.8	10.7	?	?	31.3	0.21	T2b3	T2b3+T2b+T2b3	T2	?															
RISE349	Grave 33	46.4	21	?	?	0.2	T2b3	T2b3	T2b3+T2b+T2b3	T2	?															
GNK2000	C1, 2002	39.7	9.43	F	455.7	10.1	T2b3	T2b3	T2b3+T2b+T2b3	T2	?															
TOK.7	1706,TCT-68, MF99014	37	-4.54	F	0.36	T2b3	T2b3+	T2b3+T2b+T2b3+C16127	T2	?										C1317	YFull					
TOK.8	46261-1,TCT-85, MF99	37	-4.54	F	0.36	T2b3	T2b3+	T2b3+T2b+T2b3+C16127	T2	?										C1317	YFull					
JK05	ST2215	45.3	5.86	F	272	35.7	T2b3+	T2b3+T2b+T2b3+C16127	T2	?		HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)													
RO531		48.5	7.47		0.34	T2b3+153	T2b3+C153	T2b3+153+T2b3+C16127	T2	?		Haplofind and Phy-Mer, Phylotree build17														
RO528		48.5	7.47		0.34	T2b3+153	T2b3+C153	T2b3+153+T2b3+C16127	T2	?		Haplofind and Phy-Mer, Phylotree build17														
JB149		11813	37.2	-4.24	F	16	0.34	T2b3+153	T2b3+C153+T2b3+C16127	T2	?	Haplofind2														
JD477	T1 Ind a Uzb	44.8	10.3	F	268	22.1	T2b3+153	T2b3+C153+T2b3+C16127	T2	?		HaploGrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)													
Pal-18		37.6	13.8		86.75	0.34	T2b3+153	T2b3+C153+T2b3+C16127	T2	?		Phylotree Build 17														
MS10560		33.9	35.5		0.11	T2b3+151	T2b3+C151*	T2b3+151*+T2b3+C16127	T2	?				C151T	YFull											
TUK32		47.8	102	F	0.1	T2b3+151	T2b3+C151	T2b3+151+T2b3+C16127	T2	?	73G,151T,263G,315.1C,507C,709A,750G,930A,1438G,1888A,2706G,4216C,4769G,4917G,5147A,7028T,8697A,8860G,10463C,10750G,11251G,11719A,11812G,13368A,14230G,14766T,14905A,15326G,15452A,15607G,15928A,16126C,16294T,16296T,16304C,16519C	T2	?										
TUK34		47.8	102	F	0.1	T2b3+151	T2b3+C151	T2b3+151+T2b3+C16127	T2	?	73G,151T,263G,315.1C,507C,709A,750G,930A,1438G,1888A,2706G,4216C,4769G,4917G,5147A,7028T,8697A,8860G,10463C,10750G,11251G,11719A,11812G,13368A,14230G,14766T,14905A,15326G,15452A,15607G,15928A,16126C,16294T,16296T,16304C,16519C	T2	?										
TUK15		47.8	102	F	0.1	T2b3+151	T2b3+C151	T2b3+151+T2b3+C16127	T2	?	73G,151T,263G,315.1C,507C,709A,750G,930A,1438G,1888A,2706G,4216C,4769G,4917G,5147A,7028T,8697A,8860G,10463C,10750G,11251G,11719A,11812G,13368A,14230G,14766T,14905A,15326G,15452A,15607G,15928A,16126C,16294T,16296T,16304C,16519C	T2	?										
QZND048	AD444	-53.8	-67.8	M	?	T2b3 + 151	T2b3+C151	T2b3+151+T2b3+C16127	T2	?																
Mescoyeux		46.2	11.1		3.93	T2b3a7	T2b3a7	T2b3a7+T2b3a+T2b3+C16127+T2b3a	T2	?	16126, 16292, 16294															
SokK23.5438		46.5	20.5	F	0.06	T2b3a	T2b3a	T2b3a+T2b3a+T2b3+C16127	T2	?	16126C 16292T 16294T 16296T 16304C															
ExH8-4		50.9	1.71		?	T2b3c	T2b3c	T2b3c+T2b3c+T2b3+C16127	T2	?		Haplofind and Phy-Mer, Phylotree build17														
I5846	UHLE-Pw13. UHLE-201	42.6	-2.57	F	70.6	T2b3d	T2b3d	T2b3d+T2b3d+T2b3+C16127	T2	?		HaploGrep2								T2b3+151	HaploGrep2					
LDET64	DE17, MN595609.1	56.4	9.4		?	T2b3e	T2b3e	T2b3e+T2b3e+T2b3+C16127	T2	?										T2b3+T	YFull					
YFBper354		46.7	17.3		0.16	T2b31	T2b31	T2b31+T2b31+T2b3+C16127	T2	?	73G 263G !489G 1608R 8860G	73G 2630; 489G														
JK475	RWP8-475	46.7	12.1	F	0.4	T2b32	T2b32	T2b32+T2b32+T2b3+C16127	T2	?		Haplogrep (v2.1.20)								A10715	G1 YFull					
CroMagnon	"Cro-Magnon 1",ICS2	45	0.67		0.11	T2b2	T2b2	T2b2+T2b2+T2b3+C16127	T2	?										A10715	G1 YFull					
LDET64	AZ552+2595, MN5558	55.9	9.86		0.04	T2b23	T2b23	T2b23+T2b23+T2b3+C16127	T2	?										A11001	A X YFull					
I5860	968, burgan 2, burial	52.8	60.5	F	43.9	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
I8796	Tomsk_4351, invento	50.1	74.4	F	106.9	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
I8792	Tomsk_4344, invento	50.1	74.4	F	187.9	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
I8790	Tomsk_4341, invento	50.1	74.4	F	217.9	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
I18152	I17800.0_Ust-Bin IV_q	54.2	91.6	F	101	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
I4258	UZ-06-001, Dashli-4a	39.4	68	F	283.6	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127	T2	?																
KXSX_M89-C1	BA172047	43.2	81.8		316.5	T2b23a	T2b23a*	T2b23a*+T2b23a+T2b3+C16127	T2	?										T2b23a*	YFull					
KXSX_M66		43.2	81.8		364.9	T2b23a	T2b23a*	T2b23a*+T2b23a+T2b3+C16127+T2b23a	T2	?										T2b23a*	YFull					
ZGLK_M44P		38.3	85.3		301.8	T2b23a	T2b23a	T2b23a+T2b23a+T2b3+C16127+T2b23a	T2	?										T2b23a*	YFull					
TUK78	Lunzarik, MN540480.	61.1	22.1		0.15	T2b26	T2b26	T2b26+T2b26+T2b3+C16127	T2	?	9R 73G 92R 94N 112N 219R 221N 263G 302N 31Phylo:free mtDNA Build 17, 18 (Feb 2016)														
LD115mt	G.112, MN595577.1	56.4	9.4		0.11	T2b36	T2b36	T2b36+T2b36+T2b3+C16127	T2	?				A15758G	YFull											
CBN008	CB 4035-1	48.5	9.48	F	3.33	T2b4	T2b4	T2b4+T2b4+T2b3+C16127	T2	?																
pom486		50.6	21.6		3	T2b4	T2b4	T2b4+T2b4+T2b3+C16127	T2	?	A73G, A263G, T315C, G709A, A750G, G930A, A1438G, G1888A, A2706G, T4216C, A4769G, A4917G, G5147A, C7028T, G8697A, A8860G, A9256G, T10463C, A11251G, G11719A, A11812G, G13368A, A14230G, C14766T, G14905A, A15326G, C15452A, A15607G, G15928A, T16126C, C16192T, C16294T, T16304C, T16519C	T2	?										
LR2268	Iceland_A120	65.6	17.2	F	29	0.04	T2b4	T2b4+T2b4+T2b3+C16127	T2	?	73G 263G 709G 750G 1438G 2706G 4769dupG									A10715	G1 YFull					
LP156mt	G326, MN595921.1	55.3	8.76		0.04	T2b4+152	T2b4*	T2b4*+T2b4+T2b3+C16127	T2	?				A5254G	YFull (ref TISSOT)											
MTfrpar20		47.5	10.3		0.05	T2b4a	T2b4a	T2b4a+T2b4a+T2b3+C16127	T2	?	73G 263G !199C 8860G 16X4 T5G 199C 263G															
KP20mt	KU298, MN595500.1	55.3	8.76		0.18	T2b4a1	T2b4a1*	T2b4a1*+T2b4a+T2b3+C16127	T2	?				A5527G	YFull											
CSP005	Caspian 6 mound 1, S	44.5	78.3	F	59.4875	T2b6	T2b6	T2b6+T2b6+T2b3+C16127	T2	?																
KXR-46		51.3	11.7		?	T2b6f	T2b6f	T2b6f+T2b6f+T2b3+C16127+T2b6f	T2	?	T16126C A11246T C195T A247G															
KXR-51		51.3	11.7		?	T2b6f	T2b6f	T2b6f+T2b6f+T2b3+C16127+T2b6f	T2	?	T16126C A11246T C195T A247G															
Bartym2	Bartim10/B	55.8	57.5	M	0.48	T2b6h	T2b6h	T2b6h+T2b6h+T2b3+C16127+T2b6h	T2	?	73G 152T 214G 263G 709A 750G 930A 1438G 1888A 2706G 42-															
Bay3	Bapanovo365	59.2	57.7	M	0.37	T2b6h	T2b6h	T2b6h+T2b6h+T2b3+C16127+T2b6h	T2	?	73G 152T 214G 263G 709A 750G 930A 1438G 1888A 2706G 42-															
Karos15J386	9665, MN595661.1	48.3	21.7	M	0.37	T2b6h	T2b6h	T2b6h+T2b6h+T2b3+C16127+T2b6h	T2	?																
LD115mt		55.1	0.07	U	0.03	T2b7	T2b7	T2b7+T2b7+T2b3+C16127	T2	?				G5147A + G9 YFull												
med027	B1	58.3	13.8	F	7.2536	T2b8	T2b8	T2b8+T2b8+T2b3+C16127+T2b8	T2	?	73G 263G !189AT 14587G										Haplogrep 2.0	7618					
Sriper245		41.2	27.2		0.05	T2b9	T2b9	T2b9+T2b9+T2b3+C16127	T2	?	73G 263G 1739AT 14587G			G5147A + G9 YFull											
LM78mt	14868, MN595730.1	55.6	-0.08	M	0.04	T2b	T2b*	T2b*+T2b+T2b3+C16127	T2	?				G5147A + G9 YFull												
CAN.024	AD9040, MK139394.1	37.8	-101.5		0.28	T2b	T2b*	T2b*+T2b+T2b3+C16127	T2	?				G5147A + G9 YFull												
V3.14.1	KY208830.1	48.8	9.55		0.28	T2b	T2b*	T2b*+T2b+T2b3+C16127	T2	?				G5147A + G9 YFull												
I8122	Bi192, grave 3030, sex	37.9	113.7	F	353.8	T2b	T2b*	T2b*+T2b+T2b3+C16127	T2	?	302.1A, 228A, 310T4															
PCA0056	ub. 473	52.6	16.8	F	0.26	T2b6a	T2b6a	T2b6a+T2b6a+T2b3+C16127	T2	?																
LP37cmt	ex221 A121, MN595	55.6	9.93		0.04	T2b	T2b*	T2b*+T2b+T2b3+C16127	T2	?				G5147A + G9 YFull												
ancd029	Ansarne 3	57.5	18.1	F	0.62	T2b8	T2b8	T2b8+T2b8+T2b3+C16127+T2b8+T2a1	T2	?	73G 263G 709A 750G 930A 1438G 1888A 2706G 3-															
caffin N5		51.3	13.3	F	0.02	T2b8	T2b8	T2b8+T2b8+T2b3+C16127+T2b8+T2a1	T2	?	73G 263G 315.1C 709A 750G 930A 1438G 1888A 2706G 3188C 4216C 4769G 4917G 5147A 7028T 8697A 8860G 10463C 11251G 11719A 11812G 13368A 14230G 14766T 14905A 15326G 15452A 15607G 15928A 16126C 16294T 16296T 16304C 16519C														
caffin N3		51.3	13.3	F	0.02	T2b8	T2b8	T2b8+T2b8+T2b3+C16127+T2b8+T2a1	T2	?	73G 263G 315.1C 709A 750G 930A 1438G 1888A 2706G 3188C 4216C 4769G 4917G 5147A 7028T 8697A 8860G 10463C 11251G 11719A 11812G 13368A 14230G 14766T 14905A 15326G 15452A 15607G 15928A 16126C 16294T* 16296T* 16304C* 16519C														
caffin N1		51.3	13.3	F	0.02	T2b8	T2b8	T2b8+T2b8+T2b3+C16127+T2b8+T2a1	T2	?	T16126C A16129G G16153A T16187C C16189T T16223C G16230A T16278C C16294T C16296T T16297C T16304C C16311T															
LD11mt	A2500 v2397, MK0595	55.9	9.86		0.05	T2b9	T2b9	T2b9+T2b9+T2b3+C16127+T2b9+T2a1	T2	?	A73G, T195C, A263G, T315C, G499A G16153A	YFull														
I6658	RISE512	48.8	12.8	F	503.6	T2b+152	T2b+152	T2b+152+T2b3+C16127	T2	?	73G 152T 263G 1189C 1438G 2706G 4769G 4917G 5147A 7028T 8697A 8860G 10463C 11251G 11719A 11812G 13368A 14230G 14766T 14905A 15326G 15452A 15607G 15928A 16126C 16294T 16296T 16304C 16519C	T2	?													
tor006	M16	58.2	13.6	F	7.2557B	T2b+152	T2b+152	T2b+152+T2b3+C16127+T2b+T152	T2	?																
YFBper167		46.7	17.3		?	T2b+152	T2b+152	T2b+152+T2b3+C16127+T2b+T152	T2	?	73G 152C 2885G	73G 152C 2885G														
VK440	Gotland_Fropil-005M	57.3	18.2	F	33.3	0.08	T2b+152	T2b+152+T2b3+C16127+T2b+T152	T2	?	73G 152C 263G 709A 750G 930A 1438G 1888A 27Haplogrep, KloszBrandaldarBurMutaA2011															
PCP127		45.3	18.7	F	243.979	T2b21	T2b21	T2b21+T2b21+T2b3+C16127+T2b21	T2	?																
DTTM_81	DTTM_81	48.2	10.8	F	0.22	T2b21	T2b21	T2b21+T2b21+T2b3+C16127+T2b21	T2	?		Knipper+PMA52018														
PcEpar124		47.3	21.1		0.06	T2b+152C*	T2b+152C*	T2b+152C*+T2b3+C16127+T2b+T152C*	T2	?	73G 152C!289A 5208G 5488A 13179G 152C 263G															
tor035	MT312.C, Za 229	58.2	13.6	M	7.56226	T2b+16362	T2b+16362 (0.8726)	T2b+16362C+T2b3+C16127	T2	?		Haplogrep 2.0		3532												
med029	B3	58.3	13.8	F	8.9656	T2b+16362	T2b+16362 (0.8726)	T2b+16362C+T2b3+C16127	T2	?		Haplogrep 2.0		3532												
PCA0026	ub. 191	52.6	16.8	F	0.63	T2b16	T2b16	T2b16+T2b16+T2b3+C16127+T2b16	T2	?																
YTH535	17A_535	48.9	12.6	F	0.53	T2b16	T2b16	T2b16+T2b16+T2b3+C16127+T2b16	T2	?																
MG-116.9	360.	46	18.6	F?	0.4	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?		HVII	Haplofind													
NAU-5		51.2	11.8		0.37	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
HARG 3	137.	46.7	19	M	0.37	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	16126c 16292t 16294t															
AUE19		46.2	18.7		0.36	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	16126c 16192t 16292t 16294t 16296t															
SALZ 32		51.5	11.9		0.31	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
KAR 21		51.3	11.7		0.3	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
QLB 9		51.8	11.1		0.3	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
Pom2		38.7	-0.42		0.27	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
OBW 4		51.7	11.5		0.22	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
ESP 27		51.4	11.7		0.22	T2c	T2c	T2c+T2c+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16230A T16278C C16292T C16294T C16311T															
SMN004	Grave 61, P44	48.8	9.18	F	0.39	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?																
I6846	HA63	51.9	11.7	F	0.39	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?	T16126C A16129G T16187C C16189T T16223C G16															
AJz14		46.2	18.7		0.38	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?	16126c 16292t 16294t 16296t															
I6257	KLD69-11/A3	44.4	40.4	F	377	0.3	T2c1	T2c1+T2c1+T2b3+C16127	T2	?		Unspecified														
AT502_3	Chem5	46.1	91.8	F	0.23	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?	16126c 16292T 16294T															
I221	Tagar 3	53.8	91.3	F	0.13	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?	126C 189C 250T 294T 296T															
R67	RWP8-67	41.8	12.5	F	0.1	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?		Haplogrep (v2.1.20)														
I660	RWP8-660	41.7	13.7	F	0.06	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?		Haplogrep (v2.1.20)														
I443_ZSh.29b/ 400Z/2.4758		46.3	20.5	M	0.06	T2c1	T2c1	T2c1+T2c1+T2b3+C16127	T2	?	16126c 16292T 16294T 16296T															
I12255	Gonur Tepe 3385, U6	38.2	62	F	0.28	T2c1a	T2c1a	T2c1a+T2c1a+T2b3+C16127	T2	?																
I7411	U2-JAR-007, Jarkutan	37.8	67	F	88.6	0.26	T2c1a	T2c1a+T2c1a+T2b3+C16127	T2	?																
I10099	I10098 E1.U2	32.6	35	F	140	0.26	T2c1a	T2c1a+T2c1a+T2b3+C16127	T2	?																
I6570	S6570.E1.L1	32.1	35.8	F	270	0.24	T2c1a	T2c1a+T2c1a+T2b3+C16127	T2	?																
KMM A 64	DM 31	49.3	36		?	0.18	T2c1a	T2c1a+T2c1a+T2b3+C16127	T2	?																
I10565	RISE39.SG, SIPin41,	54.4	90.9	F	1150	0.18	T2c1a2	T2c1a2+T2c1a2+T2b3+C16127	T2	?																
CGGL_T3M1-25E		46.5	90.7	F	245.954	0.16	T2c1a2	T2c1a2+T2c1a2+T2b3+C16127	T2	?																
Ash131	TOBTAK-739	38.3	34.2	F	63.9409	0.14	T2c1a2	T2c1a2+T2c1a2+T2b3+C16127+T2c1a2	T2	?																
KZ0003	TOBTAK-742	39.2	33.5	F	2.9976	0.14	T2c1a2	T2c1a2+T2c1a2+T2b3+C16127+T2c1a2	T2	?																
I11472	416, Grave 408, Perio	30.6	61.4	F	?	0.14	T2c1a2	T2c1a2+T2c1a2+T2b3+C16127+T2c1a2	T2	?																
I138	RWP8-138	41.7	12.3	F	?	0.12	T2c2	T2c2+T2c2+T2b3+C16127	T2	?																
PBJer23		47.3	21.1		0.07	T2c2	T2c2	T2c2+T2c2+T2b3+C16127	T2	?	73G 263G !															
I10410	Gonur Tomb 3734, UF	38.2	62	F	191.6	0.28	T2c3	T2c3+T2c3+T2b3+C16127	T2	?																
I2425		28	43.1	26.8	F	0.38	T2c3b	T2c3b	T2c3b+T2c3b+T2b3+C16127	T2	?															
JK2960		1518	29.9	31.2		0.21	T2c3c	T2c3c	T2c3c+T2c3c+T2b3+C16127	T2	?															
NLMPOYOD469	MG182529		46.7	17.6		0.11	T2c3c	T2c3c	T2c3c+T2c3c+T2b3+C16127	T2	?															
R10	RWP8-10	42	13.5	F	0.43	T2c1+146	T2c1+146	T2c1+146+T2b3+C16127	T2	?																
BRC011		45.5	11.6	M	0.29	T2c1+146T	T2c1+146T	T2c1+146T+T2b3+C16127	T2	?																
N38	N38	52.6	18.9	F	0.28	T2c1+146	T2c1+146	T2c1+146+T2b3+C16127	T2	?	73, 146, 263, 709, 750, 1438, 1888, 2706, 4216, 47-															
KM 31	Cherrywood1	51.2	4.13	F	0.18	T2c1+146	T2c1+146	T2c1+146+T2b3+C16127	T2	?	152T; 185T; 468C; 3483y1487															
SFI-49	SFI-3075, T24 cut 156	33.9	35.5	F	0.14	T2c1+146	T2c1+146	T2c1+146+T2b3+C16127	T2	?																
I2151	TOL5A3a	46.4	18.7	F	203.6	T2c1+152	T2c1+152	T2c1+152+T2b3+C16127	T2	?	T16126c 16292t 16294t	T2c1d+152	ReichLab_v44.3													
I7160	CH-08-C15-UE1514-E1	36.4	6.21 F	2.17	0.34	T2c1d	T2c1d	T2c1d+T2c1d+T2b3+C16127	T2	?		HaploGrep2														
SAN100		39.7	8.89		0.27	T2c1d	T2c1d	T2c1d+T2c1d+T2b3+C16127	T2	?																
I7607	PP V	36.9	14.6	F	28	0.21	T2c1d	T2c1d+T2c1d+T2b3+C16127	T2	?	310T4; 4931T	T2c1+146	ReichLab_v44.3													
I10371	MA1	37.7	12.8	F	6.466	0.18	T2c1d2	T2c1d2+T2c1d2+T2b3+C16127	T2	?	310T4; 4931T															
I0018	Stuttgart_published.E	48.8	9.18	F	?	0.42	T2c1b/T2c1d1	T2c1b/T2c1d1+T2b3+C16127	T2	?		73, 146, 263, MarkBroRov2020(Qual: 0.9719)														
I2155	PUL51.1Ba	47.5	20.5	F	42.2	0.42	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																
PDP13	SU1325 U638	45.3	18.7	F	278.233	0.38	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																
I0212	SD470	51.5	12.1		0.34	T2c1b1	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																
I7186	I7186	50.1	14.2	F	T2c1b1	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																	
I10121	I10121	50.1	14.2	F	T2c1b1	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																	
Pocrovca2		47.5	27.9 F		0.3	T2c1b1	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?																
BIS385	BIS385	48.1	7.44 F		14	0.22	T2c1b1	T2c1b1+T2c1b1+T2b3+C16127	T2	?		Haplofind and Phy-Mer, Phylotree build17														
Pal-1		37.6	13.8	91.76	16.16	T2c1b1	T2c

Object-ID	Colloquial-Skeletal	Lat/Lon	Length	Sex	mtDNA-cons	mtDNA-Haplogroup	mtDNA-Haplotype	mt-YF mtree	mt-YF FTDNA-mt-Haplotree	mt-Sim	mt-S MVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX	Y-Simple	YTree	Y-Haplotree / Y-Haplotree	Autosomo Damage	Autosomo Damage	Kinship-Notes	Source	Method-Date	Date	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
LRV 154	F2868	40.8	16.3		0.09	T2g	T2g		T2g	T2	?																	Emery2017		1st-4th c. CE	200	1	400	13-14	Italy_Roman	South_Italy_IA		Vagnari		Italy
R72	RMPR-72	41.8	12.5	?	0.09	T2g	T2g		T2g	T2	?				Haplogroup (v2.1.2)													AncientScience2019	Context: Archaeological	100-300 CE	200	100	300		Italy_Imperial	Imperial Rome	Italy_Imperial.SG	Vagnari		AWA5 (Volenia Nazionale Autori I. 83; Anas; Petronilla)
E53	E5 E3830	51.5	-0.07		0.09	T2g	T2g		T2g	T2	?																	SchuenemannPNAS2011		1347-1351 AD	1349	1347	1351		Britain_MA	England Medieval		East Smithfield, London		Great Britain
NOV_9	NOV_9	44.3	43.6		0.10	T2g1	T2g1		T2g1	T2	?				Haplogroup/Phylotree build14													UniversitaetsMarburg2017		8th-6th c. BCE	-650	-800	-500		Scythian	Initial Scythian		North Caucasus		Novosvoevodinovfrussia
NG-37		127	49.9	34 ♂	0.08	T2g1	T2g1		T2g1	T2	?																	JärvaCurrBio2019	Direct (Warning MISSING	1298-480 calCE (1730	326	248	406		Chernoles	Chernoles		Ukraine_Chernyakhiv.SG		Shyshaky
I1154	S1154 E1.L1	33	35.3	?	0.10	T2g1a	T2g1a		T2g1a	T2	?			T2c	Reich16a_v44.3													HarneyNatCommun2018		400-300 BCE	-4000	-4100	-3100		Levant_CA	Israel Chalcolithic		Israel_C		Peq'in Cave
I6292	Grave 135, Individual	34.8	72.4 ?		319	0.15 T2g1a	T2g1a		T2g1a	T2	?																	Nasimiyah Haplotree	Context: Archaeological	200-800 calBCE (2837	-831	-898	-800		SPGT	Loebaer_IA		Pakistan_Loebaer_IA		Swat Valley, Loebaer
I8620		38.2	32.2 M		258		T2g1a		T2g1a	T2	?																	HarneyNatCommun2018		1500-1300 BP	150	150	450		Turan_LIA	Late Iron Age (Arsakian period)		Ur_IA		Tepe Hissar
KN70D2	K1/16_2f	41.4	68.8 ?		71.79	0.09 T2g1a	T2g1a		T2g1a	T2	?																	GnecchiRuscaroniSciAdv2021	2th-5th c. CE; Olyrian culture	2th-5th c. CE; Olyrian	300	100	500		Steppe_Central_Nomad	Ulrich-Karatau culture		Konyr_Tobe_300CE		K1/16_2f
I11744	I11744	63.6	-0.07 ?			0.03 T2g1a	T2g1a		T2g1a	T2	?																	Mittnik2018		375 AD	375	150	1450		England_MA	England Post-Medieval				St. Mary Graces
I5656	RISE920	48.8	12.8 U		210	0.23 T2g2	T2g2		T2g2	T2	?				HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)		155											OlalaDeMaurice2018		1250-2000 BCE	-2250	-2500	-2000	2	Bell_Beaker	BK_Germany_BAV B1		Germany_BellBeaker_Ic		Irlbach, County of Straubing-Bo
LRV 95	F100	40.8	16.3		0.10	T2i1	T2i1		T2i1	T2	?																	Emery2017		1st-4th c. CE	200	1	400	18-19	Italy_Roman	South_Italy_IA		Vagnari		Italy
LRV 92	F95	40.8	16.3		0.10	T2i1	T2i1		T2i1	T2	?																	Emery2017		1st-4th c. CE	200	1	400	18-19	Italy_Roman	South_Italy_IA		Vagnari		Italy
R125	RMPR-125	41.7	13.1 ?		0.14	T2k	T2k		T2k	T2	?																	AncientScience2019	Context: Archaeological	1275 AD	1275	1150	1450		England_MA	England Post-Medieval	Italy_Imperial.SG	Gaude del dolce		Italy
I5264	sb. 301	52.6	16.8 F		0.15	T2n	T2n		T2n	T2	?				HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)		155											StolarekSzRep2018		~ 80-110/120 AD	97.5	80	120	40-59	Germanic	Wielbark B2a	Wielbark_Kowalewko	Kowalewko, Wielkopolskie	202.DE	Poland
LRV 151	F280	40.8	16.3		0.09	T2+16189	T2+16189		T2+16189C	T2	?																	Emery2017		1st-4th c. CE	200	1	400	18-19	Italy_Roman	South_Italy_IA		Vagnari		Italy
LHHG111	MG182453	47.6	16.8		0.08	T2+16189	T2+16189C		T2-b	T2	?																	VaDzurHumGenet2019		end of the 5th cents	490	475	500		Germanic	Longobard Migration		Longobard_Hungary		Hegykő
I12294c	SB58, MN390633.1	51.5	-0.07 M		0.03	T2b4a	T2b4a		T2b4a	T2	?					T16189C!	YFull											KlunkAmphyNature2019		1449 AD	1449	1349	1524		England_MA	England BD Medieval				East Smithfield
DEB 350		51.9	10.9 F		0.41	T2f	T2f		T2f	T2	?			T16126C A16129G T16187C T16223C G16230A T16278C C16294T C16296T C16311T													HaakPuSiBiology2010		5500-4775 cal BC	-5137.5	-5500	-4775	18-19	LBK	Linear Pottery culture		Derenburg-Meerenstieg II		47 Germany
KAR 9		51.3	11.7		0.41	T2f	T2f		T2f	T2	?			T16126C A16129G T16187C T16223C G16230A T16278C C16294T C16296T C16311T													BrandStScience2013		5500-4775 cal BC	-5137.5	-5500	-4775	LBK	Linear Pottery culture		Karsdorf		Karsdorf Germany
UWS 11		51.7	11.5		0.42	T2f	T2f		T2f	T2	?			T16126C A16129G T16187C T16223C G16230A T16278C C16294T C16296T C16311T													BrandStScience2013		5500-4775 cal BC	-5137.5	-5500	-4775	LBK	Linear Pottery culture		Oberweidenstedt 3, Unterweide		13 Germany
I3339	PUL01.26a	47.5	20.5 F	70.2	0.39	T2f	T2f		T2f	T2	?			16126c 16189c 16294t 16296t													SoiosyinyPlagyProcFlksoLab2015		5000-4500 BCE	-4750	-5000	-4500		Balkans_LN	Tisza_LN	Hungary_LN_Tisza_contam	Pusztakalánvár-Lelesz I		Hungary
OSM-8		51.7	11.5		0.38	T2f	T2f		T2f	T2	?			T16126C A16129G T16187C T16223C G16230A T16278C C16294T C16296T C16311T													BrandStScience2013		4686-4552 calBC 1a	-4619	-4686	-4552	LBK	Rössen culture		Oberweidenstedt 3, Schrammnehle		Germany
BAL3		46.2	18.7		0.38	T2f	T2f		T2f	T2	?			16126c 16189c 16294t 16296t													SoiosyinyPlagyProcFlksoLab2015		LN Lengyel	-4575	-4800	-4350		Lengyel	Lengyel_LN		Balassi-Lapaje		Hungary
BAL15		46.2	18.7		0.38	T2f	T2f		T2f	T2	?			16126c 16189c 16294t 16296t													SoiosyinyPlagyProcFlksoLab2015		LN Lengyel	-4575	-4800	-4350		Lengyel	Lengyel_LN		Balassi-Lapaje		Hungary
KON 7		47.6	17.4		0.38	T2f	T2f		T2f	T2	?			16126c 16189c 16294t 16296t													SoiosyinyPlagyProcFlksoLab2015		LN Lengyel	-4355.5	-4533	-4072		Lengyel	Lengyel_LN		Erve-ellen'sGrß 02		Kölny, Proletár-dűlő II	Germany
KEP911		46.7	17.2		0.39	T2f	T2f		T2f	T2	?			16126c 16187t 16189c 16294t 16296t													SoiosyinyPlagyProcFlksoLab2015		4340-4070 calBC	-4160	-4340	-3980		Balkans_CA	Balaton_Lasinja_MCA		Keszthely-Fenékpuszta Pusztacsebegyhalál dűlő		Hungary
I10506	PBL2-3	44.7	16.7	143.5	0.39	T2f	T2f		T2f	T2	?																	NovalKuCNE2021	Archaeological Context	4500 BC	-4550	-4200	-4100		Croatia_C	Middle Eneolithic Lasinja culture		Potočara		Croatia
SALZ 34		51.5	11.9		0.34	T2f	T2f		T2f	T2	?			T16126C A16129G T16187C T16223C G16230A T16278C C16294T C16296T C16311T													BrandStScience2013		4300-3950 cal BC	-4025	-4100	-3950		CTU_MN	Schöningen group		Salzmünde-Schöning		Germany
I2793	Vors 1	46.7	17.3 F		555	0.37 T2f	T2f		T2f	T2	?																	LipsonAncient2017		3361-3103 calBCE (4	-3232	-3361	-3103		Balkans_CA	Vinča culture	Hungary_LaKC_Baden	Vinča		Hungary
I3594	Grave 9	48.9	12.5 F	712	0.24	T2f	T2f		T2f	T2	?				HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)													LipsonAncient2017		2300-2150 BCE	-2225	-2300	-2150	Adult	Bell_Beaker	BK_Germany_BAV A2	Germany_BellBeaker	Alburg-Lerchenhaud, Spodden		Grave 9
sk_ka0009	sk_ka0009	59.6	17.7 F		0.09	T2f1	T2f1		T2f1	T2	?																	KrzewiskaCurrBio2018		900-1200 CE	1050	900	1200		Viking	Viking Sweden		Sigtuna		Sweden_Viking_d.SG
4AG		43.7	10.5		0.31	T2f1a	T2f1a		T2f1a	T2	?			16294T 16296T 16298C													LeonardiAmrPhyAnthropol2018		5000 BP	-3000	-3500	-2500		Italy_LN	Central_Italy_FN		Grotta del Leone (Agnano, Pisa)		Italy
Sarmizdavult-Mosofoaie/118/anc12		47.2	21.2 F		0.38	T2f1a1	T2f1a1		T2f1a1	T2	?					C15028A	YFull										NeparacKuPLoSONE2018		905-970 AD	935	905	970-18-19		Magyar	Early_Hungarian		Sarmizdavult-Mosofoaie		Hungary
LD112mt	G.279, MK09576.1	55.3	8.76		0.18	T2f1a1	T2f1a1		T2f1a1	T2	?					C15028A	YFull										KlunkAmphyNature2019		1450 AD	1450	1425	1475		Denmark_MA	Denmark Late Medieval		Ribe Grådybro		ASR 1015
LF233mt	ID19291159, MN3595	55.3	8.76		0.18	T2f1a1	T2f1a1b		T2f1a1b	T2	?					C15028A	YFull										KlunkAmphyNature2019		1450 AD	1450	1425	1475		Denmark_MA	Denmark Late Medieval		Ribe Lindegården		ASR 1015
Tp26		54	91.6		0.15	T (T2f7)	T2f7		T2f7	T2	?			16126C-16149TG													PilipenkoKuSciRep2018		9-6 centuries BC	-700	-900	-500	Adult	Siberia_West_IA	Early Tagar, Podgornovo group		Tepsej-9		Kurgan 5, burial 3
Tp14		54	91.6		0.15	T (T2f7)	T2f7		T2f7	T2	?			16126C-16149TG													PilipenkoKuSciRep2018		9-6 centuries BC	-700	-900	-500	Adult	Siberia_West_IA	Early Tagar, Podgornovo group		Tepsej-10		Kurgan 5, burial 3
Tp69		54.9	90.0		0.15	T (T2f7)	T2f7		T2f7	T2	?			16126c-16149TG													PilipenkoKuSciRep2018		9-6 centuries BC	-700	-900	-500	?	Siberia_West_IA	Early Tagar, Podgornovo group		Novaya chernaya-1		Kurgan 3, burial
I1509	MS-116.12a	46	18.6 F	188.5	0.38	T2f8a	T2f8a		T2f8a	T2	?																	LipsonAncient2017	Direct: 95.4% IntCal20,	4230-4046 calBCE (5	-4139	-4230	-4046		Balkans_LN	Balaton_Lasinja_MCA		Lengyel, Csárda alja		Hungary_C_Balaton_Lasinja
POST_16		48.3	10.9 F		0.38	T2f8a	T2f8a		T2f8a	T2	?																	MittnikScience2019		2029-1911 calBC	-1970	-2029	-1911	> 25 year	CTU_EBA	EBA Lech Valley	Lech_EBA	Haunstetten – Postillionstraße	POST	Germany
Minoan423		35.1	25.8		0.15	T3	T3		T3	T2	?																	HughesNatCommun2013		ca. 3750 YBP	-1750	-1900	-1600		Minoan	Middle Minoan IIb	Minoan	Lasithi Cave, near Apsos Charalambos		Greece
Guanche39		28.3	16.4		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				MA, Tenerife
Guanche38		28.3	16.4		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				MA, Tenerife
Guanche40		28.5	16.3		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				CP, Tenerife
Guanche42		28.5	16.3		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				CP, Tenerife
Guanche37		28.5	16.3		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				CP, Tenerife
Guanche41		28.5	16.3		0.04	T3	T3		T3	T3	?																	MacAyearPLoS2017		ca. 1000 qBP	950	900	1000		Canarias_Guanche	Canarias_Guanche				CP, Tenerife
S11	Bronze 5	51.7	79.8 F		0.12	T4	T		T4	T4	?																	KeyserYumCurrBio2020		1800-1400 BC	-1600	-1800	-1400		Andronovo	Solonoszemesk_MBA		Solonoszemesk 1, Krasnoyarsk		Russia
Minoan21H		35.1	25.8		0.13	T5	T5		T5	T2	?																	LalueSoFnsPrcRSciLond8J2004		8th to 7th c. BC	-750	-800	-600		Minoan	Middle Minoan IIb	Minoan	Lasithi Cave, near Apsos Charalambos		Greece
	52	50.2	81.8		0.09	U1	U1		U1	U1	?																	LalueSoFnsPrcRSciLond8J2004		8th to 7th c. BC	-750	-800	-600		Asia_EC_BVA	East Central Asia Bronze/Iron Age	EC_Asia_BVA	Zevakinskiy		stone fencing
	28	42.6	68.3		0.06	U1	U1		U1	U1	?																	LalueSoFnsPrcRSciLond8J2004		3rd to 5th c. AD	350	200	500		Asia_EC_A	South Central Asia Antique	EC_Asia_A	Aqsu-2, 2, 5, 16		Kazakhstan
MA4206	940806 S1 (Skeleton)	39.3	33.8		0.16	U1a	U1a		U1a	U1	?									678								DamgaardScience2018		2500-1350 BCE	-1850	-2500	-1200	nd	Anatolia_MLBA	Assyrian Ith		Turkey_MLBA.SG		940826S1 S1 (Skeleton)
I8372	S6572 E1.L1	32.1	35.8 F	157	0.14	U1a1	U1a		U1a1	U1	?																	AgnetaFamCurBio2020		1500-1150 BCE	-1350	-1500	-1150	nd	Levant_MLBA	Baqah MB1A		Jordan_IA		Jordan
I12464	Grave 159, individual	34.8	72.3 F	124.7	0.12	U1a	U1a		U1a	U1	?																	NarasimhanPetersonScience2		1000-800 BCE	-900	-1000	-800		SPGT	Ketelat_IA		Pakistan_Ketelat_IA		Swat Valley, Katelai
SH-50	SH-1075, TS8 cal 550-	33.9	35.5 F		0.1	U1a	U1a		U1a	U1	?																	HabenAJH2020		560-330 BCE	-445	-640	-330	Adult	Levant_Achaemenid	Iron Age III		Israel_SH_IA		Tell Jemmeh
CH9035	Chilipek #8191	42.5	78.4 F	132.598	0.08	U1a	U1a		U1a	U1	?																	GnecchiRuscaroniSciAdv2021	3rd-1st c.BCE/ CE; Saka	3rd-1st c.BCE/ CE; Sa	-151	-300	-1	Saka	Chilpek_300BCE	Saka_TianShan_400BCE	Chilpek #8191		Kyrgyzstan
CP66		48.3	17.5 U		0.09	U1a	U1a		U1a	U1	?																	NeparacKuPLoSONE2017		8th-9th c. AD	800	700	900		Avar_Slav	Avar-Avar Slav				Slovakia
SA1996:5330-6785/120		37.7	30.5		0.03	U1a	U1a		U1a1	U1	?																	OtternDurHumGenet2011		11th-13th c. AD	1150	1000	1300		Byzantine	Mid-Byzantine period SW Anatolia		Sagalassos		Lower Agora
SA1998:1406		37.7	30.5		0.03	U1a	U1a		U1a1	U1	?																	OtternDurHumGenet2011		11th-13th c. AD	1150	1000	1300		Byzantine	Mid-Byzantine period SW Anatolia		Sagalassos		Lower Agora
I7184	S7184 E1.L1	32	34.9 F	2.93	0.16	U1a1	U1a1		U1a1a1	U1	?																	AgnetaFamCurBio2020		2000-1550 BCE	-1775	-2000	-1550	Levant_South_IBA	Yehud IBA		Israel_MLBA_lc		Yehud
I3260	Grave 28, Individual 1	34.7	72.3 F		0.14	U1a1	U1a1		U1a1a1	U1	?																	NarasimhanPetersonScience2	Context: Archaeological	1500-900 BCE (2840-	-1266.5	-1640	-1007		SPGT	Udegram_IA		Pakistan_Udegram_IA_SA.ind.HI		Swat Valley, Udegram
I842	RMPR-42	41.7	12.3 F		0.08	U1a1	U1a1		U1a1a1	U1	?				Haplogrep (v2.1.2)													AncientScience2019	Context: Archaeological	200-126 calCE (1940s	87	26	126		Italy_Imperial	Imperial Rome		Italy_Imperial_o4.SG		Isola Sacra
I6130	679	21.1	30.6 F		0.08	U1a1	U1a1		U1a1a1	U1	?																	SrakiDuPNAS2021		1800-1620 BP	190	100	280		Christian	Christian Period Nubia		Kulubnarti		Kulubnarti
I3995	GO1150	34.5	48.1 F	108.2	0.02	U1a1	U1a1		U1a1a1	U1	?			U1a1a1b	Reich16a_v44.3													LazaridisNature2016	Direct: 95.4% IntCal20,	1480-1640 calCE (33	1561	1480	1640	18-30	Iran_neoeni	Ganj_Darreh_Iran_neoeni		Iran_GanjDarreh_Holoric		Ganj Darreh
arm14	Arm_Mylyndarit_Kark	39.8	46.9		0.01	U1a1a	U1a1a		U1a1a	U1	?																	DamgaardNature2018		1000-1150 AD	1100	1000	1185		Iranian_Medieval	Iranian Medieval				Karkar_ND
I15943	2482, Tomb 7	40.6	8.32 F	12.13	0.26	U1a1a	U1a1a		U1a1a1a	U1	?			143A; 523d; 524d; 310To; 704Ki;	788T; 16183C;												FernandezNatEcolEvol2022	Direct: 95.4% IntCal20,	3356-3637 calBCE (3	-3773	-3936	-3637		Sardinia_Neolithic	Sardinia_Neolithic		Sardinia, Anghelu Ruju		Sardinia
I11483		47.3	21.1		0.06	U1a1b	U1a1b		U1a1b	U1	?																	GnecchiRuscaroniSciAdv2021	5th-4th c. BCE; Sarmatia	5th-4th c. BCE; Sarma	-2951	-3052	-2915	Iran_Ba	Shahr_I_Sokhta_BA	Shahr_I_Sokhta_BA		Sarlan, Shahr-i-Sokhta		Iran_BA_Shahrisokhta
SF-56	SF-45, 743 cal 785A	33.9	35.5 F		0.12	U1a1a	U1a1a		U1a1a	U1	?																	HabenAJH2020		1000-539 BCE	-770	-1000	-539		Levant_Assyrian	Assyrian (Iron Age II)		Israel_IA_IA2.SG		Beirut SF1-435
MEyer264		48.1	21.7		0.07	U1a1a-G161296A!	U1a1a-G161296A!		U1a1a1	U1	?																	MaliskaNature2021		941-1025 AD	1008	940	1075	Magyar	Early Hungarian (village cemetery)		Early Hungarian (village cemetery)		Hungary
PG2002	PG2002.AD201, AD201	43.8	43.4 F		0.74	U1a1a1	U1a1a1		U1a1a1a	U1	?																	WangNatCommun2019	Direct: 95.4% IntCal20,	2670-2383 calBCE (3	-2611	-2675	-2303		Yamnaya	Yamnaya / North Caucasus	Russia_North_Caucasus	Progresa 2		kurgan 1, grave
I10771	I10771.E1.L1	32.6	35 F	147.6	0.58	U1a1a1	U1a1a1		U1a1a1a1	U1	?																	AgnetaFamCurBio2020	Direct: 95.4% IntCal20,	1500-1350 BCE	-1600	-1650	-1550	Adult	Levant_South_IBA	Megiddo MB IB		Israel_IBA		Tell Megiddo
JK2956	1649	29.9	31.2		0.45	U1a1a1	U1a1a1		U1a1a1a*	U1	?																	SchuenemannNatCommun2017		823-785 cal BC	-804	-823	-785		Egypt_Pre_Ptolemaic	Pre-Ptolemaic period		Abusir el-Meleq		Egypt
I11471	415, Grave 406, Proba	30.6	61.4 F		0.27	U1a1c1	U1a1c1		U1a1c1	U1	?																	NarasimhanPetersonScience2	Direct: 95.4% IntCal20,	2330-2010 calBCE (4	-3165	-3330	-3010		India_Harappa	Shahr_I_Sokhta_BA2		Shahr_I_Sokhta		Iran_Shahr|Sokhta_BA2_published
AUN006	Alai / Nurai I, II, Tuyuk	41.4	71.5 F	17.9987	0.23	U1a1c1d	U1a1c1d		U1a1c1d	U1	?																	Scythian_Saka	Alai_Nura_500BCE		Scythian_Saka	Alai_Nura_500BCE		Kyrgyzstan
I4086	AMA12	37.9	58.2 F		344.5	0.66	U1a1d		U1a1d	U1	?																	NarasimhanPetersonScience2		400-300 BCE	-3500	-4000	-3000		Turan_EIA	Turkmenistan_EIA		Turkmenistan_Turan_EIA		Turkmenistan
ALA017	32.57, Locus 164, AT 1	36.2	36.4 F		0.42	U1a1d	U1a1d		U1a1d	U1	?			T3G 2636! ; 13BN 199N 285T													SlouartsardsCell2020		1611-1456 calBCE (3	-1528	-1611	-1456	Levant_North_MLBA	Alalakh_MLBA		Alalakh_MLBA		Tell Atchana/Alal
JK2970	1668	29.9	31.2		0.1	U1a1f	U1a1f		U1a1f	U1	?																	NarasimhanPetersonScience2		317-206 cal BC	-261.5	-317	-206	Egypt_Ptolemaic	Ptolemaic period		Egypt_Ptolemaic		Egypt
I2416	U2-ST-009, Sagopshi Tw	37.4	66.8 F		73.7	0.34 U2a1	U2a1		U2a1	U2	?																	NarasimhanPetersonScience2	Direct: 95.4% IntCal20,	1949-1774 calBCE (3	-1874	-1949	-1774	BMAC	Sappali_Tepe_BA		Sappali-Tepe		Uzbekistan_SappaliTepe_BA
I4289	U2-ST-016, Sagopshi Tw	37.4	66.8 F		87.2	0.33 U2a1	U2a1		U2a1	U2	?																	NarasimhanPetersonScience2	Direct: 95.4% IntCal20,	1835-1734 calBCE (3	-1849	-1935	-1751	BMAC	Sappali_Tepe_BA		Sappali-Tepe		Uzbekistan
I6270	KLD03-121d8	44.4	40.4 M		0.36	U1b	U1b		U1b	U1	?																	WangNatCommun2019		3610-3358 calBC	-3484	-3610	-3358		Majkop	Majkop Novovoskrobnaya		Majkop_Novovoskrobnaya		Kiely
QR71	Queen Kelesian?	35.5	73.9 F		0.02	U1b	U1b		U1b1	U1	?																	AncientScience2019	Context: Archaeological	1-150 CE	1050	1050	1624		Wei-Nuo	Wei-Nuo		Qiubei		Yunnan
R114	RMPR-114	41.9	12.5 F		0.97	U1b1	U1b1		U1b1	U1	?				Haplogrep (v2.1.2)													AncientScience2019	Context: Archaeological	1-200 CE	100	0	200	Italy_Imperial	Imperial Rome		Italy_Imperial.SG		Via Paisiello (Necropoli Salaria) burial 114
MR206	Bered 2017, 67A	49.3	85.8 F	107.5	0.11	U1b2	U1b2		U1b2	U1	?																	GnecchiRuscaroniSciAdv2021	4th-1st c. BCE/ CE; Pa	4th-1st c. BCE/ CE; Pa	-201	-400	-1	Pazyryk	Pazyryk Bered		Kor_Bered_SDBCE		Bered 2017, 67A
TU678	Hirbidat1.SAMN05200.	61.2	29.7		0.36	U1b2	U1b2		U1b2	U1	?	736 146C 263G 285T 310C 750G 1438G 2387C 2779yhp!free mtDNA Build 17, 18 (Feb 2016)																Oversti5cRep2019		1220-1300 calAD	1260	1220	1300		Finland_MA	Finland_MA		Hirbidat13		35 Russia
TU572	Hirbidat6.MRC405311.	61.2	29.7		0.34	U1b2	U1b2		U1b2	U1	?	736 146C 263G 285T 310C 750G 1438G 2387C 2779yhp!free mtDNA Build 17, 18 (Feb 2016)																Oversti5cRep2019		1220-1385 calAD	1303	1220	1385		Finland_MA	Finland_MA		Hirbidat2		35 Russia
Pagliuc1108	Pagliuc1108	41.7	15.6		0.98	U2'3'4'7	U2'3'4'7'8'9		U2'3'4'7'8'9	U2	?																	Pagliuc2018	Context: Late Iron Age	2700-2500 BCE	-2950	-2700	-2500		Palaeolithic_Eurasian	Evolved Gravettian		Italy_South_HG_Pagliuc1108_published		Grotta Paglicci, Rignano Garganico
Rigney1	Rigney1	47.2	6.1 F		0.97	U2'3'4'7	U2'3'4'7'8'9		U2'3'4'7'8'9	U2	?																	FuBarton2016	Direct: 95.4% IntCal20,	3365-3101 calBCE (4	-3308	-3365	-3101		Palaeolithic_Magdalenian	Magdalenian		France_Rigney1_published		France
Access sala 2 Rim 8 *		41.5	15.5		0.45	U2'3'4'7'8'9	U2'3'4'7'8'9		U2'3'4'7'8'9	U2	?																	FuCurrBio2013		11,000-15,000 BP	-13050	-9050	-13050		Palaeolithic_Epigravettian	Italy Epigravettian				Foggia, Italy
I3158	SVL2, Criterion C	37.9	12.3 F	15.9	0.42	U2'3'4'7'8'9	U2'3'4'7'8'9		U2'3'4'7'8'9	U2	?																	MathiesonNature2018	Direct: Direct date(s) ar	11010-9750 BCE	-10380	-11010	-9750		Western_European_Hunter	Germany_EN		Vorpommern, Flintbek		Germany
OB	Orientalb8	37.9	12.3		0.37	U2'3'4'7'8'9	U2'3'4'7'8'9		U2'3'4'7'8'9	U2	?	A376G, C150 hetragroup U2'7'8'9 haplogroup, OB shows strong affinity with the two oldest

Object-ID	Colloquial-Skeletal	Left/Right Sex	mtDNA-Lineage	mtDNA-Haplotype	mt-Tree	mt-YF-FTDNA-mt-Haplotree
YE_MA26	-	42.9	92.8	246.4G	0.16 T2f	U2e2a1*
TUK22		47.8	102.7		0.12 U2e2a1	U2e2a1
TUK47		47.8	102.7		0.12 U2e2a1	U2e2a1
LI0200		28.2	37.7	279	U2e2a1	U2e2a1
G43	KH150874 P8	55.4	10.4	F	0.03 U2e2a1	U2e2a1
G120	KH150924	55.4	10.4	F	0.03 U2e2a1	U2e2a1
G43	KH150875	55.4	10.4	F	0.03 U2e2a1	U2e2a1
G417	KH150948	55.4	10.4	F	0.03 U2e2a1	U2e2a1
G189	KH150943	55.4	10.4	F	0.03 U2e2a1	U2e2a1
G876	KH150842 Petrovka bo	55.4	10.4	F	0.03 U2e2a1	U2e2a1
I17980	OnlinePaper1	49.9	20.7	17	U2e2a1	U2e2a1
TUK73	Lundarfi5, MN504479	61.1	22.1		0.05 U2e2a1	U2e2a1
LP380mt	vS84-A584, MN595950	55.6	9.93		0.53 U2e2a1a1*	U2e2a1a1*
LDT1mt	G16, MN595825.1	55.3	8.76		0.39 U2e2a1a1*	U2e2a1a1*
LP380mt	vS553 A553, MN595950	55.9	9.84		0.39 U2e2a1a1*	U2e2a1a1*
Ivb006	Kurgan 23, Burial 4 (b	54.1	55.5	T	U2e2a1a2	U2e2a1a2
Karos2568		48.3	21.7	F	U2e2a1a2	U2e2a1a2
G876	KH150843	55.4	10.4	F	0.43 U2e2a1a2	U2e2a1a2
MV1594	individuum 12 NN	47.3	8.22		U2e2a1d	U2e2a1d
ID946	StepSV95-S, burial 17,	53.9	59.1	T	U2e2a1d	U2e2a1d
ID8168	Tomsk_42N_Inventio	50.8	75.6	T 277	U2e2a1d	U2e2a1d
BIS382		48.1	7.44	MA	0.24 U2e2a4	U2e2a4
LAV493		40.8	16.4		0.15 U3e3	U3e3
I512	R63	30.3	79.7		0.01 U3e3	U3e3
I1960	Tyumen50, Kurgan 6,	56	69.3	F 1160	U4b1	U4b1*
ZNU	ZNU	37.8	32.9	-	0.37 U3	U3
MAM	ZMM	37.8	32.9	F	0.38 U3	U3
BAM112	1398.	46.2	18.7	-	0.28 U3	U3
VM3		48.9	8.96		0.35 U3	U3
VEG25		46	18.5		0.26 U3	U3
VEG39	7034 Hershaim	49.1	8.22 F		0.25 U3	U3
AUI1		46.2	18.7		0.28 U3	U3
Yst39		48.1	37.9		0.23 U3	U3
Pr1	Pr1	52.1	53.9		0.08 U3	U3
L4		37	80.1	C	0.07 U3	U3
Y12		37	80.1	M	0.07 U3	U3
L3		37	80.1	T	0.07 U3	U3
Y11		37	80.1	U	0.07 U3	U3
K7	502	52.6	16.8		0.06 U3	U3
Sa6K477.5408		46.5	20.5 M		0.04 U3	U3
MM 1.3		43.2	26.8		0.04 U3	U3
Dobrovolske (2/3)		49	21.3		0.03 U3	U3
SA 2005 AK 15b		37.7	30.5		0.03 U3	U3
SA 2005 AK 38b		37.7	30.5		0.03 U3	U3
Csengele4		46.5	19.9		0.03 U3	U3
ISE70	SG11	34.5	48.7		0.32 U3a'e	U3a'e
pop44	Obiacheovo EB-A	52.3	17.6 F	253.G	22.U5a'i	U5a'i
I4313	LG-JAR-005, Jarkulan	37.8	67.7 F	215.T	2.U5a'i	U5a'i
Tron6		42.5	0.5		0.12 U5a	U5a
WA027		31.9	65.5 M		0.12 U5a	U5a
Mma1		41.3	2.53		0.29 U5a	U5a
SA2 60		51.5	11.9		0.26 U5a	U5a
SA2 4		51.5	11.9		0.26 U5a	U5a
Bar2		41.1	0.96		0.24 U5a	U5a
Pol-26		37.6	13.8	98.3A	0.14 U5a	U5a
S13		56.7	9.63 F		0.08 U5b	U5b
HD41.3		47.9	16.8 F		0.08 U5b	U5b
A4621		68.1	15.6 F?		0.06 U5b	U5b
Cap-MR		44.5	28.1		0.05 U5b	U5b
UGI0003	AT-570	49.2	105 F		0.03 U5b	U5b
VEG513		46	18.5		0.38 U6a	U6a
BER37		43.1	2.25		0.33 U6a	U6a
I14172	I14172	50.1	14.2 F		U6a	U6a
I4308	C1-L4 172	43.3	16.5 F	15.8	0.29 U6a	U6a
KH150635	**KH150** **KH150635 KH150** **KH150635 KH150**	50.8	21.5	43	U6a	U6a
TUE76[536]	TUE76, Rapperswill 2(	47.2	8.82		0.24 U6a	U6a
FI1123	D7_D8	37.1	25.4	148.77G	0.24 U6a	U6a
KOP001	KOP001.B0101.FI1.1	57.5	25.9		0.01 U6a	U6a
LI0003	BISR A.XVIII.11/351-1	41.9	43.10		0.21 U6a	U6a
MoA20		223	45.9	20.4 F	0.21 U6a	U6a
VK164	Gland_1105	56.8	16.7 F	89.1	0.06 U6a1	U6a1
VK193	Greenland-late-1061;	61.2	45.7 F	23.4	0.05 U6a1	U6a1
LP222mt	G72, MN595935.1	54.8	11.5		0.04 U6a1	U6a1*
PCA0054	ob. 506	52.6	16.8		0.09 U6a1a	U6a1a
PCA0052	ob. 269	52.6	16.8		0.09 U6a1a	U6a1a
PCA0004	86; ob. 502	52.6	16.8 F		0.63 U6a1a1	U6a1a1
pop54		50.5	35.8 F		0.57 U6a1b	U6a1b
pop713		50.1	20 F		0.55 U6a1b	U6a1b
HM2pool57		46.5	19.1		0.27 U6a1b*	U6a1b*
VK125	Norway_Trondheim_(	63.4	10.4 F	78.2	0.04 U6a1c	U6a1c
LM14mt	20255, MN595685.1	55.5	0.08 F		0.01 U6a1*	U6a1*
ID658	TA3/R8	40.4	43.9 F	596	U6a2	U6a2
SA2000 LA20		37.7	30.5		U6a2	U6a2
ID986	5398.E1.L8	32.1	35.8 F	110	U6a2a	U6a2a
I6462	BAI23_9_3_2_B3.9 (3)	32.1	35.8 F	63.6	0.46 U6a2a	U6a2a
ALA024	45.44, Locus 68, AT 6!	36.2	36.4 F		0.16 U6b	U6b
arm35	Nenjin Gatashen; KGI-R2	41.6	2.32		0.14 U6b	U6b
I2200	12200.E1.L1	32.6	35 F	184	0.15 U6b	U6b
arm34	Nenjin Gatashen; KGI-R2	41.6	45.3		0.13 U6b	U6b
QE0-4	QE0-4, ERS1889335	34.5	36.2 F		0.06 U6b	U6b
I10148	R135	21.1	30.6 F		0.05 U6b	U6b
R45	RMPR-45	41.7	12.3 F		0.08 U6b1	U6b1
R51	RMPR-51	41.8	12.5 F		0.08 U6b1	U6b1
ASH034	50.SE.F423.Burial 128	31.7	34.6 F		0.18 U6b1a	U6b1a
I8999	Grave 80, individual 1	34.4	72.4 F?	42	0.35 U6b1a1	U6b1a1
LAV157		40.8	16.4 NA		0.34 U6b1b	U6b1b
JK2151		1566	29.9	31.2 F	1.11 U6b1b	U6b1b*
JK2879		1549	29.9	31.2	0.1 U6b1b	U6b1b*
Karos2152			48.3	21.7 U	0.05 U6b2	U6b2
X18	X18_1		59.4	24.9 M	0.17 U6b2a	U6b2a
ETH004	TM 95.V.490		35.8	36.8 F	0.22 U6b2a1	U6b2a1
LI20mt	A2731 v2914, MN595		55.9	9.86	0.01 U6b2a1	U6b2a1*
HM2pool73			46.5	19.1	0.06 U6b2a	U6b2a*
arm11	Arm_Sotk1_ak2		40.2	45.9	0.04 U6b2b	U6b2b
I6564	I6564.E1.L1		32.1	35.8 F	96.7	0.58 U6b2b
arm51	Nenjin Naver-135; bo 40.3			44.3	0.45 U6b2b	U6b2b
arm44	Nenjin Naver-133; bo 40.3			44.3	0.44 U6b2b	U6b2b
Tray1			53.2	18.2 F	0.17 U6b3	U6b3
Tray3			40	26.2 F	0.15 U6b3	U6b3
PUZper354			47.3	21.1	0.17 U6b3	U6b3*
I5181	L12-502		40.3	29.6 F	0.1 U6b3	U6b3*
	20036 MK308700		37.7	32.8 M?	U6b	U6b*
KH150250	N7121		56.1	7.9 U	0.45 U4'9	U4'9
MN922	IL U1		59.4	39.5	0.46 U4	U4
BIn52	2008 Schicht III Abach		57.4	60.1	0.42 U4	U4
BadDorrenberg1			51.3	12.1	0.41 U4	U4
Pu4			62.5	35.8	0.39 U4	U4
Pu2			62.5	35.8	0.39 U4	U4
BIn51	2008 Schicht II Abach		57.4	60.1	0.38 U4	U4
I1732	StPet3, inv. 6204/7		48.3	35.1 F	542 0.27 U4b	U4*
UZOD-16			62	35.4	0.34 U4	U4
G843			39.1	8.69	0.32 U4	U4
GUN2018			47.9	3.61	0.31 U4	U4
R1.19a			47.3	30.3 M	0.29 U4	U4
R1.19a	R1.19a, right patellae		47	30	0.29 U4	U4
I4631	ZVE101		56.3	25.1 F	- 0.28 U4	U4
Abra2			39.7	8.41	0.28 U4	U4
Rein 23			42.4	3.49 U	0.26 U4	U4
Newlitte.23			41.6	2.32	0.24 U4	U4
I1778			38.4	7.53 M	0.24 U4	U4
I11736	Kurgan 1, burial 4		50.8	49.3 F	151 0.23 U4	U4
PM 15079			39.2	0.29	0.23 U4	U4
Cmo051			38.1	-1.86	0.22 U4	U4
Ayu66			57.3	18.2	0.22 U4	U4
Ayu13			57.3	18.2	0.22 U4	U4
Ayu52B			57.3	18.2	0.22 U4	U4
Fri22			57.6	18.2	0.22 U4	U4
Fri15			57.6	18.2	0.22 U4	U4
Mar12			34.5	40.9	0.22 U4	U4
KAR 2			51.3	11.7	0.21 U4	U4
Ire3			57.8	18.6	0.21 U4	U4
Ire2			38.6	-0.77	0.21 U4	U4
I3738	JK 910		36.9	14.6 U	0.2 U4	U4
CGG1_KQBM3	-		46.5	90.7	191.93G 0.82 U7a3a	U4*
D1			55.2	10.1	0.19 U4	U4
B61			55.9	12.5	0.19 U4	U4
Gus4			37.4	-6.08	0.19 U4	U4
RÖC 5			51.2	12.1	0.18 U4	U4
RISE189	grave 1044		51	17.1 F	0.18 U4	U4
S14	Bronze 8		51.7	79.8 F	0.16 U4	U4
S15	Karasuk 3		54.3	90.9 F	0.14 U4*	U4
Tg57			54	91.5	0.12 U4	U4
Tg52			54.7	90.8	0.12 U4	U4
Gavaren4			38.1	85.5 M	0.11 U4	U4
Gavaren18			38.1	85.5 F	0.11 U4	U4
eUMB231	MN687314		43	12.9 F	0.11 U4	U4
LP 14045			42	3.07 U	0.11 U4	U4
DA86	KG60		52.2	64.5 F	0.18 U4a	U4a
KOL_3	KOL_3		51.6	39.2	0.1 U4a	U4a
UN103			49.7	-1.74	0.1 U4a	U4a
Sa6Sa641			46.8	17.8 F?	0.06 U4a	U4a
rsv68			45.1	7.53	0.06 U4a	U4a
CF28			46.1	37.5 M	U4	U4
CP4			46.1	37.5 F	U4	U4
AS8B4C			68.1	13.3 U	0.05 U4	U4
SJ7			48.3	18.1	0.05 U4	U4
VK270	Sweden_Kanda 25		57.2	13.9 F	11.2 0.05 U4	U4
S864C			68.1	13.1 U	0.04 U4	U4
Rathaus186	KH130176		54.5	9.62 M	0.04 U4	U4
Rathaus142.1	KH130158		54.5	9.62 M	0.04 U4	U4
G5	KH150153		54.8	11.5	0.03 U4	U4
G410	KH150670 Petrovo bo		55.8	9.72 M	0.03 U4	U4
G205	KH150724 P8		55.8	9.72 M	0.03 U4	U4
G130	KH150722 P8		55.8	9.72 F	0.03 U4	U4
G146	KH150720 P8		55.8	9.72 M	0.03 U4	U4
YaroslavlMDNA6			57.6	39.9 M	0.03 U4	U4
YaroslavlMDNA5			57.6	39.9 M	0.03 U4	U4
HGH-1219			53.9	10.7 M	0.03 U4	U4
Greyfriars ASR 101KH150117			55.3	8.77 M	0.03 U4	U4
Greyfriars ASR 101KH150119			55.3	8.77 M	0.03 U4	U4
Chekanovka42			51	82	0.02 U4	U4
I550	I550		30.3	79.7	0.01 U4	U4
MN91	I_13/3		59.4	39.5	0.01 U4a	U4a
I2074	230/18		50.8	96.3	0.42 U4a	U4a
I10916.E1.L1	Grave 18a		47.95	35.89 F	0.4 U4a	U4a
I0932	Korchugan1-7		55.8	85.3	0.38 U4a	U4a
I2424			26	43.1	27 F 0.35 U4a	U4a
I1409	ARE20		39.7	45.2 F	22.2 0.34 U4a	U4a
Kotlan41			58.4	22.7 M?	0.33 U4a	U4a
Rudnikskilas2	Kudrukiolaz		59.5	28.1 F	0.31 U4a	U4a
I4175	GENER		45.3	19.1 F	25.9 0.27 U4a	U4a
ORK9_66	ORK9_66		48.3	10.9 F	0.22 U4a	U4a
I1063	1005, Kurgan 2, burial		52.8	60.5 F	292 0.21 U4a	U4a
arm43	Qarashamb-3; tomb 140.4		44.6		0.2 U4a	U4a
MS10613			38.9	1.43	0.19 U4a	U4a
I7822Bc	STR_220		48.9	12.6 F	0.08 U4a	U4a
LH2H1	MG182402		46.8	17.8	0.08 U4a	U4a
CP88			45.1	17.5 F	0.6 U4a	U4a*
VFBpor588			46.7	17.3	0.06 U4a1	U4a1*
FSS-A3	FSS-A1		65.3	19.2 F	0.06 U4a1	U4a*
MN313	IL_V		59.4	39.5 M	0.64 U4a1	U4a1
MN3	IL_III		59.4	39.5 M	0.54 U4a1	U4a1
SF12	SF12		57.3	18	0.51 U4a1	U4a1
Kanna0			59.5	25.7	0.41 U4a1	U4a1
MN8	L 5		59.4	39.5 M	0.41 U4a1	U4a1
Kirkiaara9a			58.3	26.1 U	0.4 U4a1	U4a1
Kirkiaara2			58.3	26.1 M?	0.38 U4a1	U4a1
ZV162	Grab 162		56.3	25.1 M	0.37 U4a1	U4a1
Tamula17			57.8	27 F	0.34 U4a1	U4a1
ZV317	Grab 317		56.3	25.1 M	0.33 U4a1	U4a1
Gordinesti			47.7	28.8 F	0.3 U4a1	U4a1
KAR 27			51.3	11.7	0.25 U4a1	U4a1
TGB_M3-1	-		48.1	86.4	208.97 0.21 U4a1*	U4a1*
ROO001	BOO57-1		69.2	33.5 F	0.21 U4a1	U4a1
I8861	IB No 22, Grave 4		42.7	73.1 F	120 0.21 U4a1	U4a1
BOO49-3			69.1	36.4	0.2 U4a1	U4a1
BOO57-1			69.1	36.4	0.2 U4a1	U4a1
I6707	StPet38, collection 60		49.7	73.9 F	174 0.2 U4a1	U4a1
Ze_7			50.2	81.8	0.15 U4a1	U4a1
I11950	BCB_26_Osa		17.4	103	0.15 U4a1	U4a1
LVK08			40.8	16.4 U	0.14 U4a1	U4a1
Saik2348.551B			46.5	20.5 F	0.07 U4a1	U4a1

mt-Sin-no-5-WS-I	HVS-II	HVS-III	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAR-Y-Simple	YTree	Y-Haplotree-Y-Haplotree-Y-FTD	Y-FTDYoFGOGO2019	FTDNA-Y-Haplotree
U2	U			**YFull**										
U2	U			73G,146C,152C,217C,263G,315.1G,5080,750G,1438G,1811G,2706G,3720G,3849A,4553C,4769G,5390G,5426C,6045T,6152C,7028T,8473C,8860G,10876G,11467G,11719A,12308G,12372A,12557T,13020C,13794C,14796T,15326G,15907G,16051G,16092T,16129C,16587.1638T,16362C,1653C							
U2	U			73G,146C,152C,217C,263G,315.1G,5080,750G,1438G,1811G,2706G,3720G,3849A,4553C,4769G,5390G,5426C,6045T,6152C,7028T,8473C,8860G,10876G,11467G,11719A,12308G,12372A,12557T,13020C,13794C,14796T,15326G,15907G,16051G,16092T,16129C,16587.1638T,16362C,1653C							
U2	U													
U2	U													
U2	U													
U2	U													
U2	U													
U2	U													
U2	U													
U2	U													
U2	U			A736, T152C, T217C, A263G, A508G, A750G, A1438G, A1811G, A2706G, A3720G, G3849A, T4553C, T4736C, A4769G, A5390G, T5426C, C6045T, T6152C, C7028T, T8473C, A8860G, A10876G, A11467G, G11719A, A12308G, G12372A, C12557T, T13020C, T13794C, C14796T, A15326G, A15907G, A16051G, T16092C, G16129C,-A16183C, T16189C, T16362C, T16519C							
U2	U			73G 111N 128N 130N 148N 149N 152C 170N 176.PhyloTree mtDNA Build 17, 18 (Feb 2016)										
U2	U			A96646G	YFull									
U2	U			A96646G	YFull									
U2	U			A96646G	YFull									
U2	U			A736, T152C, T217C, A263G, A508G, A750G, A1438G, A1811G, A2706G										
U2	U													
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U2	U													
U2	U		

Object-ID	Colloquial-Skeletal	Lat	Lon	Length	Sex	mtDNA-Cons	FAMILIENNAME	mtDNA-haplogroup	mtDNA-Haplotree	mt-YF-mtree	mt-YF-FTDNA-mt-Haplotree	mt-SN-mt-5-MVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree-Y-Haplotree-Y-FTD-YFull	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
Lev7-40B8		48.2	18.6	7		0.06	U4a1	U4a1	haplogroup U4a1	U4a1	U4a1	U4	16134T 16356C													
HMZ2ser208		46.5	19.1			0.05	U4a1a	U4a1a	haplogroup U4a1a	U4a1a	U4a1a	U4	73G 152C 194T 604DG 1560CC		73G 152C 19	YFull										
VK76	Greenland-late-0957	64.3	-50.1	M7		9.4	0.05	U4a2	haplogroup U4a2	U4a2	U4a2	U4	73G 152C 263G 750G 1438G 1810G 2706G 4646C	Haplogroup, KlosBrandebaMunMuta2011												
Rasken14		15/16		51.4		0.05	U4a1	U4a1	haplogroup U4a1	U4a1	U4a1	U4														
AITI_87		48.2	10.8	7		0.22	U4a1a	U4a1a	haplogroup U4a1a	U4a1a	U4a1a	U4														
ARZ-729		51.7	34.4	7		0.15	U4a1a	U4a1a	haplogroup U4a1a	U4a1a	U4a1a	U4	73G,195C,263G,311.1C,499A,750G,91.1C,963C,1438G,1810.1G,2706G,4646C,4769G,5999C,6047G,7028T,8818T,8860G,11332T,11467G,11719A,12308G,12372A,12970G,14620T,14766T,15326G,15693C,16134T,16356C,16519C													
KEN002	Ken-Su #651*	42.2	75.5	7	28.2189	0.14	U4a2b2	U4a2b2	haplogroup U4a2b2	U4a2b2	U4a2b2	U4														
KrA001		55.8	36.1	7		0.28	U4a2b	U4a2b	haplogroup U4a2b	U4a2b	U4a2b	U4														
RISE505	6652-42	53.5	85.4	7		0.22	U4a1b	U4a1b	haplogroup U4a1b	U4a1b	U4a1b	U4														
Karos2247		48.3	21.7	7		0.06	U4a1b1	U4a1b1	haplogroup U4a1b1	U4a1b1	U4a1b1	U4														
LM34mt	7701, MK059701.1	51.5	-0.08	M		0.12	U4a1b2	U4a1b2	haplogroup U4a1b2	U4a1b2	U4a1b2	U4					C14301T	YFull								
Kiss33.72B		46.2	30.4	M		0.2	U4a1c	U4a1c	haplogroup U4a1c	U4a1c	U4a1c	U4	16134T 16234T 16356C													
MPper56		47	21.6			0.18	U4a1c	U4a1c	haplogroup U4a1c	U4a1c	U4a1c	U4	73G 152C 195C 263G 4 8860G		73G 152C 19	YFull										
Bartyms5	Bartim16/ID	55.8	57.5	F		0.29	U4a1d	U4a1d	haplogroup U4a1d	U4a1d	U4a1d	U4	73G 152C 195C 198T 263G 499A 750G 1438G 1810G 2706G 42C-													
LM16mt	20755, MK059690.1	51.5	-0.08	M		0.09	U4a1d	U4a1d*	haplogroup U4a1d*	U4a1d*	U4a1d*	U4					C13871	YFull								
MPper21		47	21.6			0.05	U4a1e	U4a1e*	haplogroup U4a1e*	U4a1e*	U4a1e*	U4	73G 152C 154T1A 767R 8860G		73G 152C 19	YFull										
M435	ZVE113	56.3	25.1	F	461.0	0.34	U4a1f	U4a1f	haplogroup U4a1f	U4a1f	U4a1f	U4					YFull									
Karos2155		59.4	39.5	F		0.53	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
SF9	SF9	57.3	18			0.58	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4	197BG 1293TG													
MN90	L 3	59.4	89.5	M		0.47	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
Kotjaka5		58.4	22.7	M?		0.38	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
VF6306	VE4306.AD101, Velika	42.2	40.1	F		0.28	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
ala28		57.3	18.2	F		0.27	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
vlp017		57.6	18.7	M		0.27	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
vlp051		57.6	18.7	F		0.27	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4														
ATTR_T1M228	BA190032	48.1	86.4		359.496	0.28	U4a2a1	U4a2a1	haplogroup U4a2a1	U4a2a1	U4a2a1	U4					YFull									
MK3003	MK3003.AD101, BZN6	43.9	43.5	F		0.26	U4a2a2	U4a2a2	haplogroup U4a2a2	U4a2a2	U4a2a2	U4					YFull									
Mok16a		181	45.9	20.4	F	0.22	U4a2a2	U4a2a2	haplogroup U4a2a2	U4a2a2	U4a2a2	U4					Unspecified									
Ior001	M15	58.2	13.6	F	37.5553	0.22	U4a2 (0.8527)	U4a2	haplogroup U4a2	U4a2	U4a2	U4					Haplogroup 2.0									
Ior007	M27	58.2	13.6	F	452.497	0.22	U4a2 (0.8727)	U4a2	haplogroup U4a2	U4a2	U4a2	U4					Haplogroup 2.0		5859							
pme863		50.5	20.8	M		0.2	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4	A73G, T195C, A263G, T310C, G499A, A750G, A1438G, A1811G, A2706G, C3106A, T4646C, T4668C, A4769G, T5999C, A6047G, C7028T, C8818T, AB860G, C11332T, A11467G, G11719A, A12308G, G12372A, A13105G, C14620T, C14766T, A15326G, T15693C, T16356C, T16519C									
NLXCSC_M3-4		43.6	82.5		427.112	0.25	U4a2a4	U4a2a4*	haplogroup U4a2a4*	U4a2a4*	U4a2a4*	U4					YFull									
VH8	116/236-3	59.5	28.8	F		0.3	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U4							3525							
Hetlan_M15	-	37	79.9		157.407	0.11	U5b1b	U5b1b	haplogroup U5b1b	U5b1b	U5b1b	U5					YFull									
Hetlan_M30C	-	37	79.9		181.902	0.1	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5					YFull									
BZL_M32-8	-	37	79.9		152.25	0.11	D4j5	U4a2	haplogroup U4a2	U4a2	U4a2	U5					YFull									
BZL_M14-26	-	37	79.9		451.902	0.05	W	U4a2	haplogroup U4a2	U4a2	U4a2	U5					YFull									
LI1030mt	AD669 v2770, MK059	55.9	9.86			0.01	U4a2a	U4a2a	haplogroup U4a2a	U4a2a	U4a2a	U5				T310C	YFull									
MK439	Gotland_Frojel-G4988	57.3	18.2	F	19	0.06	U4a2a	U4a2a	haplogroup U4a2a	U4a2a	U4a2a	U5	73G 195C 263G 310C 499A 750G 1438G 1811C 27	Haplogroup, KlosBrandebaMunMuta2011												
BBperD08		48.1	21.7			0.06	U4a	U4a2a	haplogroup U4a2a	U4a2a	U4a2a	U5	73G 195C 1T3A 152C 4T 8860G		17A 73G 152	YFull										
MPper41		47	21.6			0.05	U4a2a	U4a2a4b	haplogroup U4a2a4b	U4a2a4b	U4a2a4b	U5	73G 195C 263A 1811A 1418C		73G 195C 26	YFull										
AED1108	AED_1108	48.3	11.9	F		0.59	U5	U4a2a6a	haplogroup U4a2a6a	U4a2a6a	U4a2a6a	U5				U4a2a	YFull									
Tafv5n		34.8	2.41			0.1	U4a2b	U4a2b	haplogroup U4a2b	U4a2b	U4a2b	U5	16223T													
Mar15		34.5	40.0			0.1	U4a2b	U4a2b	haplogroup U4a2b	U4a2b	U4a2b	U5	16223T, 16356C													
HGH-1580		53.9	12.8	M		0.1	U4a2b	U4a2b	haplogroup U4a2b	U4a2b	U4a2b	U5	73G 195C 263G 310C 499A 750G 1189C 1438G 1811G 1978G 2706G 4646C 4769G 5999C 6047G 7028T 8818T 8860G 11332T 11467G 11719A 12308G 12372A 12970G 14620T 14766T 15326G 15693C 16356C									
CHA004	Ch.Barda13	42.2	-0.14			0.2	U4a2f	U4a2f	haplogroup U4a2f	U4a2f	U4a2f	U5		Haplogroup2												
pox282	MT-PD3503	54	20.5			0.1	U4a2f	U4a2f	haplogroup U4a2f	U4a2f	U4a2f	U5	A263G, A750G, A1438G, G3010A, A4312G*G A T1888													
pox489		50	20.3		33	0.1	U4a2f	U4a2f	haplogroup U4a2f	U4a2f	U4a2f	U5	A73G, T195C, A263G, T310C, G499A, A750G, T1189C, A1438G, A1811G, A3178G, A2706G, C3106A, T4646C, A4769G, T5999C, A6047G, C7028T, C8818T, AB860G, C11332T, A11467G, G11719A, A12308G, G12372A, A12970G, C14620T, C14766T, A15326G, T15693C, T16356C, T16519C									
TUR06(SK17)	TU904_78-6 (Kemple	47.5	9.29			0.2	U4a2f	U4a2f	haplogroup U4a2f	U4a2f	U4a2f	U5														
ON27	1327	52.1	-0.51	F	222	0.19	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5				T310C	YFull									
TU564	HolloLa10, MN540464	61	25.5			0.05	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5	73G 195C 263G 310C 499A 750G 1438G 1811C 27													
JR1935	Reinkol, MN540548.1	60.9	24.3			0.02	U4a2	U4a2*	haplogroup U4a2	U4a2*	U4a2*	U5	73G 195C 263G 310C 499A 524 1ACAC 750G 143													
Tgs17		54	91.6			0.18	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
Tgb03		54	91.5			0.18	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
A_8	A_8	52.1	93.6			0.17	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
Tgs117		54	91.5			0.15	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
Tgf2		54	91.5			0.15	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
Tgf		54	91.6			0.14	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
Tgfi		54	91.6			0.14	U4(xa3)	U4		U4	U4	U5	16356C-16123GBG													
DB255T4708		46.3	20.1			0.07	U4a3	U4a3	haplogroup U4a3	U4a3	U4a3	U5	16113C 16356C 16362C													
PG86	Polinegolburn86	56.5	4.1			0.1	U4a3a	U4a3a	haplogroup U4a3a	U4a3a	U4a3a	U5	146T, 152T, 499A, 750G, 825T, 1018G, 1811G, 2758G, 2792G, 2885T, 3594C, 4104A, 4312C, 4646C, 5999C, 6047G, 6667T, 6929G, 7146A, 7256C, 7521G, 8065A, 8468C, 8655C, 8701A, 8818T, 9540T, 10388A, 10664C, 10868G, 10810T, 10873T, 10915T, 11332T, 11467G, 11914G, 12308G, 12372A, 12705C, 13105A, 13276A, 13508C, 13650C, 14620T, 15693C, 16129G, 16187C, 16189T, 16223C, 16230A, 16265G, 16278C, 16311T, 16356C, 16362C									
M526	MW508526	45.8	25.6	F	35.9	0.35	U4a3b (89.36%)	U4a3b	haplogroup U4a3b	U4a3b	U4a3b	U5	16265G 73G 195C 247A 263G	HaploGrep2 based on PhyloTree17 (accessed 22.06.2020)			T8602C	YFull								
LM60mt	3048, MN559716.1	53.5	-0.08	M	47.9	0.31	U4a3c1	U4a3c1	haplogroup U4a3c1	U4a3c1	U4a3c1	U5					T195C	YFull								
R234	PAON_6	44.6	22	F	185	0.53	U4a*	U4a*	haplogroup U4a*	U4a*	U4a*	U5														
HMZser231		46.5	19.1			0.05	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5	73G 195C 1468C 5705G 8527G 16179G 26 YFull													
HMZser232		46.5	19.1			0.05	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5	73G 195C 1468C 5705G 8527G 16179G 195C 26 YFull													
Pzt2ser205	PLEpe20.5	47.3	21.1			0.05	U4a2	U4a2	haplogroup U4a2	U4a2	U4a2	U5	73G 195C 1468C 5705G 8527G 16179G 195C 26 YFull													
I1733	Sihe8	48.3	35.1	F		0.64	U4b	U4b	haplogroup U4b	U4b	U4b	U5														
I1734	Grave 14_53873.E1.L2	48	35.4	F	20.4	0.46	U4b	U4b	haplogroup U4b	U4b	U4b	U5														
pox256	MH176345.1	49.5	17.1			0.32	U4b1a1a*	U4b1a1a*	haplogroup U4b1a1a*	U4b1a1a*	U4b1a1a*	U5	A73G, T195C, A263G, T310C, G499A, C15787T YFull													
pox424		49.9	20.1		3	0.3	U4b1a1a1	U4b1a1a1	haplogroup U4b1a1a1	U4b1a1a1	U4b1a1a1	U5	A73G, T195C, A263G, T310C, G499A, A750G, A1438G, A1811G, T2835C, A2706G, A2833G, A3673G, T4646C, A4769G, T5999C, A6047G, C7028T, T7705C, AB442G, AB860G, C11332T, T11339C, A11467G, G11719A, T12297C, A12308G, G12372A, C14620T, C14766T, A15326G, T15693C, C15788T, T16356C, T16362C, T16519C									
kub009	Kurgan 23, Burial 6	54.1	55.5	F		0.58	U4b1a1a1	U4b1a1a1	haplogroup U4b1a1a1	U4b1a1a1	U4b1a1a1	U5														
kub010	Kurgan 4, Burial 2	54.1	55.5	F		0.58	U4b1a1a1	U4b1a1a1	haplogroup U4b1a1a1	U4b1a1a1	U4b1a1a1	U5														
pox583		50.7	21.6	M		0.67	U4b1a1a1	U4b1a1a1	haplogroup U4b1a1a1	U4b1a1a1	U4b1a1a1	U5	C18T, A73G, T195C, A263G, G499A, A750G, A1438G, A1811G, T2835C, A2706G, T3308C, A8272G, T4646C, A4769G, T5999C, A6047G, C7028T, T7705C, AB442G, AB860G, C11332T, T11339C, A11467G, G11719A, T12297C, A12308G, G12372A, C14620T, C14766T, A15326G, T15693C, C15788T, T16356C, T16362C, T16519C									
pox547		50.5	20.8	M		0.58	U4b1a1a1	U4b1a1a1	haplogroup U4b1a1a1	U4b1a1a1	U4b1a1a1	U5	A73G, A263G, G499A, T629C, A750G, T1159C, A1438G, A1811G, C2207T, A2706G, C4457T, T4646C, A4769G, T5067C, C5737T, A6047G, C6357T, C7028T, G8586A, AB860G, G8950A, C10607T, C11326T, C11327T, A11467G, G11518A, G11735A, C11863T, A12308G, G12372A, A13105G, C14620T, C14766T, A15326G, T15693C, R15695C, T16356C, T16519C									
VOR001	Vorobiewo 422/1s	56.5	63.4	F	6.35047	0.36	U4b2	U4b2	haplogroup U4b2	U4b2	U4b2	U5														
Karos2155		48.3	21.7	U		0.17	U4b2	U4b2	haplogroup U4b2	U4b2	U4b2	U5														
C58-2	MH298701.1	44.5	28.1			0.19	U4b2	U4b2*	haplogroup U4b2*	U4b2*	U4b2*	U5				T1193C	YFull									
I11752	BARN-039, Inskoy Dol	51.5	83.1	F	910.9	0.75	U4d3	U4d3	haplogroup U4d3	U4d3	U4d3	U5														
HUGO_170		48.3	10.9			0.67	U4d3	U4d3	haplogroup U4d3	U4d3	U4d3	U5	16189C				Knipper PNAS2018									
DA168	Alan3	42.9	44.2	F		0.21	U4d3	U4d3	haplogroup U4d3	U4d3	U4d3	U5														
RB44	R62	30.2	79.7		176	0.18	U4d3	U4d3	haplogroup U4d3	U4d3	U4d3	U5	16223, 16311, 16701, 12705, 9540, 1230B, 1146T													
SPKR_M2		43.3	83.2		516.815	0.24	W3b	U5b3b	haplogroup U5b3b	U5b3b	U5b3b	U5														
MT7001	Grave 342 20 7.12, Ins	40.9	45.8	F	17.21	0.28	U7	U7	haplogroup U7	U7	U7	U5	73G 152C 1 8Y 303N 3C 181G 4769G 16309G													
I2918	TH16-2, 33-16-2, Peris	36.2	54.4	F		0.2	U7	U7	haplogroup U7	U7	U7	U5														
I2919		40.3	88.7	F		0.13	U7	U7	haplogroup U7	U7	U7	U5	318T													
Bnr22		40.3	88.7	M		0.13	U7	U7	haplogroup U7	U7	U7	U5	318T													
JK2889	1521 29.9	31.2	M		0.1	U7	U7*	haplogroup U7*	U7*	U7	U7	U5					YFull									
I2918	R03	47.2	39.7			0.08	U7	U7	haplogroup U7	U7	U7	U5														
J12_3	J12_3	49.8	89.3			0.08	U7	U7	haplogroup U7	U7	U7	U5		Haplogroup/Phylotree build14												
JK2925	1601 29.9	31.2			0.07	U7	U7*	haplogroup U7*	U7*	U7	U7	U5					YFull									
JK2984	1631 29.9	31.2			0.07	U7	U7*	haplogroup U7*	U7*	U7	U7	U5					YFull									
CP55		46.5	17.5	F		0.07	U7	U7	haplogroup U7	U7	U7	U5	16309G, 16 7028T, 1230BG													
Zvon2E898		45.8	17.6	M		0.04	U7	U7	haplogroup U7	U7	U7	U5	1631BT													
A106/K1		55.7	12	M		0.03	U7	U7	haplogroup U7	U7	U7	U5	7028T, 1230BG, 1618BC, 1631BT													
K1		55.7	12			0.03	U7	U7	haplogroup U7	U7	U7	U5	1618BC,1631BT													
I7527	GANJ_25_M	34.5	48.7	F	13.57	0.42	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I1665	SG19	34.5	48	F	595	0.24	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I8500	MT5201, Gaskoyun 1,	37.2	63	F	13.3	0.21	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I2928	Th23-205, 33-23-205,	36.2	54.4	F		0.19	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I8128	LU-807-008, Site 7, Gr	37.7	67	F	78.51	0.14	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I8190	Grave 28, Individual 2	34.7	72.3	F	47.8	0.12	U7a	U7a	haplogroup U7a	U7a	U7a	U5														
SSS_M77	-	47.4	85.9		543.846	0.11	T1b1+@152	U7a*	haplogroup U7a*	U7a*	U7a*	U5					YFull									
LB630		38.2	67.2	M	165		U7a	U7a	haplogroup U7a	U7a	U7a	U5														
LB633		38.2	67.2	M	120		U7a	U7a	haplogroup U7a	U7a	U7a	U5														
I9335	R68	30.3	79.7		192	0.05	U7a2	U7a2	haplogroup U7a2	U7a2	U7a2	U5	11467, 1230B, 9540, 12705, 8701, 14569, 1811, 16													
CG01_T4M05		46.5	90.7		207.952	0.08	U7a2a*	U7a2a*	haplogroup U7a2a*	U7a2a*	U7a2a*	U5					YFull									
LB001		38.2	67.2	M	181		U7a3a	U7a3a	haplogroup U7a3a	U7a3a	U7a3a	U5														
I2136	Gonur 2013 Area 19 s	38.2	62.7			0.22	U7a4a1	U7a4a1	haplogroup U7a4a1	U7a4a1	U7a4a1	U5														
SA0001	SA0001.AD101, BZN6	45.7	44.7			0.31	U7b	U7b	haplogroup U7b	U7b	U7b	U5					Unspecified									
I10462	Ostrovskoye	42.5	26			0.17	U7b	U7b	haplogroup U7b	U7b	U7b	U5														
HGL_M248		43.6	93		483.561	0.13	B4c1b	U7b*	haplogroup U7b*	U7b*	U7b*	U5					YFull									
I3727 MK308069		37.7	32.8	M		0.7	U8	U8*	haplogroup U8*	U8*	U8*	U5					YFull									
Rom01D2b		46	11.1			0.15	U8	U8	haplogroup U8	U8	U8	U5	1230BG													
Rom01D2b		46	11.1			0.15	U8	U8	haplogroup U8	U8	U8	U5	16182C 16183C 16189C 16234T 16324C													
Rathau113	KN135146	54.5	9.62	M		0.03	U8	U8	haplogroup U8	U8	U8	U5														
HGH-1580		53.9	10.7	M		0.02	U8	U8	haplogroup U8	U8	U8	U5					Haplofind									
HGH-1319		53.9	10.7	F		0.02	U8	U8	haplogroup U8	U8	U8	U5					Haplofind									
HohleFels79	HohleFels79	48.2	9.45	M		0.75	U8a	U8a	haplogroup U8a	U8a	U8a	U5														
CP101		46.1	17.5	M			U8a	U8a	haplogroup U8a	U8a	U8a	U5	16146G, 16 7028T, 4216G, 1230BG													
LBR09A	BR 28	43.7	6.99	F	8.38	0.61	U8a1	U8a1	haplogroup U8a1	U8a1	U8a1	U5														
I5556	50556_sk	51.8	11.1		0.3	U8a1	U8a1	U8a1	haplogroup U8a1	U8a1	U8a1	U5														
I5262b.A		47.9	3.61	F	0.11	U8a1a	U8a1a	U8a1a	haplogroup U8a1a	U8a1a	U8a1a	U5	72_16126-16294-16296-16324													
Q18 2		51.8	11.1		0.3	U8a1a	U8a1a	U8a1a	haplogroup U8a1a	U8a1a	U8a1a	U5	A16129G T16187C C16189T T16223C G16230A T16278C C16311T T16342C													
Q18 20		51.8	11.1		0.3	U8a1a	U8a1a	U8a1a	haplogroup U8a1a	U8a1a	U8a1a	U5	A16129G A16146G T16187C C16189T T16223C G16230A T16278C C16311T T16342C													
5020		48.3	18.1		0.05	U8a1a	U8a1a	U8a1a	haplogroup U8a1a	U8a1a	U8a1a	U5	16129G 16146G 16187C 16189T 16223C 16230A 16278C 16311T 16342C													
S6		48.3	18.1		0.05	U8a1a	U8a1a	U8a1a	haplogroup U8a1a	U8a1a	U8a1a	U5	16129G 16146G 16187C 16189T 16223C 16230A 16278C 16311T 16342C													
Nor_5001	Norway_Hedmark-KB	60.8	11.1		98.2	0.05	U8a1a1	U8a1a1	haplogroup U8a1a1	U8a1a1	U8a1a1	U5	73G 263G 282C 750G 1438G 1811G 2706G 3758T Haplogroup, KlosBrandebaMunMuta2011														
pox270		50	20.3	F	6	0.16	U8a1a1	U8a1a1	haplogroup U8a1a1	U8a1a1	U8a1a1	U5	A73G, A263G, T282C, T310C, A750G, A1438G, A1811G, A2706G, C3758T, A4769G, A5240G, T6392C, C6455T, C7028T, A7055G, AB860G, C9365T, T9698C, C10733T, A11467G, G11719A, C12135A, A12308G, G12372A, G13145A, C14766T, A15326G, A16146G, T16342C									
JR3931	Porvoo1, MN540537.	60.4	25.7		39.9	0.35	U8a1a1b1	U8a1a1b1	haplogroup U8a1a1b1	U8a1a1b1	U8a1a1b1	U5	73G 263G 282C 310C 750G 1438G 1811G 2706G 3Ple3Tree endDNA Build 17, 18 (Feb 2016)														
LHH0132	MG182457	47.6	16.8		0.58	U8a1a2	U8a1a2	U8a1a2	haplogroup U8a1a2	U8a1a2	U8a1a2	U5														
LISI11mt	G_248 4018, MN20585	55.3	8.76		0.58	U8a1a2*	U8a1a2*	U8a1a2*	haplogroup U8a1a2*	U8a1a2*	U8a1a2*	U5				A16146G + A Y-Full										
LF237mt	K117447174, MN20595	55.3	8.76		0.1	U8a1b	U8a1b	U8a1b	haplogroup U8a1b	U8a1b	U8a1b	U5				C14167T + C1 YFull										
SA1999 LA4		37.7	30.5		0.03	U8b	U8b	U8b	haplogroup U8b	U8b	U8b	U5	16182C-16173-146-195-263													
CAG.202		42.6	-2.19		0.94	K	K	K	haplogroup K	K	K	K	A16129G T16187 C16189 C16223 C16230A T16278C C16311T T16342C													
CAG.181		42.6	-2.19		0.84	K	K	K	haplogroup K	K	K	K	A16129G T16187 C16189 C16223 C16230A T16278C C16311T T16342C													
CAG.181		42.6	-2.19		0.84	K	K	K	haplogroup K	K	K	K	A16129G T16187 C16189 C16223 C16230A T16278C C16311T T16342C													
Ash110	Ua-57654, TUBITAK-3	38.3	34.2	F	59.7763	0.54	K	K	haplogroup K	K	K	K														
H7		36.4	38.2		0.66	K	K	K	haplogroup K	K	K	K	16223C 16311C													
H4		36.4	38.2		0.66	K	K	K	haplogroup K	K	K	K	16311C													
H25		36.4	38.2		0.66	K	K	K	haplogroup K	K	K	K	16224C 16311C													
RBS-C8-SE8		33.4	35.9		0.63	K	K	K	haplogroup K	K	K	K	16224C 16311C 16586T													
RBS-14		33.4	35.9		0.62	K	K	K	haplogroup K	K	K	K	16224C 16311C 16586T													
RBS-15		33.4	35.9		0.62	K	K	K	haplogroup K	K	K	K	16224C 16311C 16586T													
BAM02	0721	46.2	18.7	F	0.54	K	K	K	haplogroup K	K	K	K	16172c 16224c 16311c													
VIN22	4a	45.3	18.8	F	0.53	K	K	K	haplogroup K	K	K	K	16093c 16224c 16292i 16311c													
MA-116.4	353.	46	18.6	F	0.53	K	K	K	haplogroup K	K	K	K	16166g 16224c 16311c													
BAM016	1461.	46.2	18.7	M	0.53	K	K	K	haplogroup K	K	K	K	16224c 16311c													
Yedrovka272/79		49	16

Object-ID	Colloquial-Skeletal	Latitude	Longitude	Sex	mtDNA-c.ccmFAMILY	mtDNA-haplogroup	mtDNA-Haplotype	mt-TF	mt-TR	mt-1tF	FTDNA-mt-Haplotype
MARG 4	161.	46.7	19 !	0.49	K	K	hiseq K	hiseq	hiseq	hiseq	hiseq:/:/:/

Object-ID	Colloquial-Skeletal	Lat(lat)	Lon(lon)	Sex	mtDNA-c	mtFAM	mtDNA-haplogroup	mtDNA-Haplotree	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotree	mt-Sn-hs1-SVS-!	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree-Y-Haplotree	Y-FT-YFull	Y-Yfu-SOGO2010	FTDNA-Y-Haplotree	Y-Sym-Y-Symbol	Responsible-SN	SNPs	Autosms-Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
M2.1		43.2	-1.99		0.18	U5	U5																											HervellaPLoS0NE2012		5285 BP	-3325	-3400	-3100		Neolithic	Iberia_N	Marizula, Gipuzkoa		Spain
SK842		54.4	10 M		0.18	U5	U5																											BraamScience2009		6000 calBC	-3200	-3400	-3000	15-25	CTU_MN		Funnel Beaker		Germany
UE76		38.4	-7.53 M		0.18	U5	U5																											BouventuraAnthropologie2014		3340-2920 BCE	-3130	-3340	-2920		Iberia_LN	SW Iberia Early Late Neolithic		Portugal
SK25		54.4	10 F		0.18	U5	U5																											BraamScience2009		ca. 3100 calBC	-3100	-3300	-2900	25-35	CTU_MN		Funnel Beaker		Germany
K2.1, mandibular fragment		47	30.3		0.17	U5	U5																											NikitinHumanGenet2017		4270 ± 90 (lo:17331)	-2944.5	-3311	-2578		Ukraine_LN	Eneolithic (Post-Stog)		Katarzhino		Ukraine
L19	13F, 1st molar	47	30		0.18	U5	U5																											NikitinHumanGenet2017		4030 ± 60 (lo:11248)	-2607	-2864	-2350		Yamnaya	Yamnaya Ukraine		Liubashe, Odessa Region		Ukraine
R1.13	R1.13, long bone frag	47	30		0.15	U5	U5																											NikitinHumanGenet2017		3940 ± 60 (lo:11172)	-2395	-2581	-2209		Catacomb	Catacomb (Ingul) (ERA)		Liubashe, Odessa Region		Ukraine
D1.10, tibia fragment		48.1	30.3		0.15	U5	U5																											NikitinHumanGenet2017		Not dated	-3300	-3600	-2800		Catacomb	Catacomb (ERA)		Dubinovo		Ukraine
EUL 57A		51.2	11.8		0.14	U5	U5																											BrandtScience2013		2030-1967 calBC	ca. -2008.5	-2030	-1987		Unetice	Unetice culture		Eulau		Germany
Karakol5		50.6	86.2 M		0.12	U5	U5																											ChikishevaArcheolEthnoAnthropolEurasia2007		Mid-2nd mill. BC	-1500	-1800	-1200		Karakol	Karakol		Inscription, Sicily		Russia
Cladfrhallan1		57.2	-7.41 M		0.12	U5	U5																											HannaArchaeoSci2012		ca. 1440-1360 BC	-1400	-1440	-1360		Britain_BA	Scotland Bronze Age		Cladh Hallan, South Uist (tooth composite skeleton)		Great Britain
Lisuzhan 1	1	47.8	72		0.11	U5	U5																											LalueuePonPLoeCom8B2004		13th to 11th c. BC	-1150	-1300	-1000		Avar_C_BA	Central Central Asia Bronze Age		Ak-Mustafa		Kazakhstan
2032 213		42	3.07 U		0.08	U5*	U5																											SampietroniAnnHumGenet2005		535-200 BC	-368	-535	-200		Iberia_IA	Pre-Roman NE Iberia		Puig de Sant Andreu (Ullastret)		Spain
UN128		49.7	-1.74		0.08	U5	U5																											FischerSherickoSciRep2019		300-100 BC	-200	-300	-100		Franks_IA	Gaul		Urville-Nacqueville necropolis		France
Yuntong1		37.9	113 M		0.05	U5	U5																											XieFrucPlosLond8B2007		Ab 50 AD	593	583	603		China_Sui	Sui Dynasty Sogdian person		Tomb of Yu Hong, Taiyuan, Shanxi Province		China
B104		43.3	2.99		0.05	U5	U5																											AlisaMe2005		500-700 AD	600	500	700		Iberia	North Iberia Early Middle Ages		Aldaieta		Spain
A4643		68.6	17.1 F		0.04	U5	U5																											KrieverskaPhilosTransRSocB2015			700	600	800	<60	Merovingian	Merovingian		Troms		Norway
CP117		46.3	17.5 M			U5	U5																											SabaevAnthPhysAnthropol2008	Archaeological context Eth	Eth-8th c. AD	800	700	900	4-12 yrs	Avar_Slav	Avar-Slavic		Devínska Kobyla cemetery		Slovakia
A4491		66.1	12.9 M		0.04	U5	U5																											KrieverskaPhilosTransRSocB2015			900	800	1000	18-39	Viking	Viking Norway		Nordland		Norway
A58058		68.1	13.3 F		0.04	U5	U5																											KrieverskaPhilosTransRSocB2015			900	800	1000	18-39	Viking	Viking Norway		Nordland		Norway
A3777		60.1	10 M		0.04	U5a5/U5a2	U5a5/U5b2																											KrieverskaPhilosTransRSocB2015			900	800	1000	18-39	Viking	Viking Norway		Oppland		Norway
Rathlous86	KH130134	54.5	9.62 M		0.03	U5	U5																											KrauseFyorAndCommun2018		1070-1210 AD	1140	1070	1210	45-60	Nordic_MA	Denmark medieval		Rathausmark		Denmark
Rathaus191	KH130177	54.5	9.62 M		0.03	U5	U5																											KrauseFyorAndCommun2018		1070-1210 AD	1140	1070	1210	25-30	Nordic_MA	Denmark medieval		Rathausmark		Denmark
Rathaus80	KH130132	54.5	9.62 M		0.03	U5	U5																											KrauseFyorAndCommun2018		1070-1210 AD	1140	1070	1210	28-35	Nordic_MA	Denmark medieval		Rathausmark		Denmark
Rathaus158	KH130162	54.5	9.62 F		0.03	U5	U5																											KrauseFyorAndCommun2018		1070-1210 AD	1140	1070	1210	18-20	Nordic_MA	Denmark medieval		Rathausmark		Denmark
B739		52.9	14.2		0.03	U5	U5																											PlouxAnthrAnx2017		10th-14th c. AD	1150	900	1400		Poland_MA	Medieval Polish		Cedynia		Poland
B429		52.9	14.2		0.03	U5	U5																											PlouxAnthrAnx2017		10th-14th c. AD	1150	900	1400		Poland_MA	Medieval Polish		Cedynia		Poland
B492		52.9	14.2		0.03	U5	U5																											PlouxAnthrAnx2017		10th-14th c. AD	1150	900	1400		Poland_MA	Medieval Polish		Cedynia		Poland
B1105		52.9	14.2		0.03	U5	U5																											PlouxAnthrAnx2017		10th-14th c. AD	1150	900	1400		Poland_MA	Medieval Polish		Cedynia		Poland
Priego33		37.4	-4.2		0.03	U5*	U5																											CasasAntPhysAnthropol2006		1100-1300 AD	1200	1100	1300		Iberia_Muslim	Islamic		Madinat Bagut, now Priego de Córdoba		Spain
Priego32		37.4	-4.2		0.03	U5*	U5																											CasasAntPhysAnthropol2006		1100-1300 AD	1200	1100	1300		Iberia_Muslim	Islamic		Madinat Bagut, now Priego de Córdoba		Spain
G73	KH150147	54.8	11.5		0.03	U5	U5																											KrauseFyorAndCommun2018		1100-1400 AD	1250	1100	1400		Nordic_MA	Denmark medieval		Ravnshale		Denmark
G21	KH150156	54.8	11.5		0.02	U5	U5																											KrauseFyorAndCommun2018		1100-1400 AD	1250	1100	1400		Nordic_MA	Denmark medieval		Ravnshale		Denmark
G43	KH150140	54.8	11.5		0.02	U5	U5																											KrauseFyorAndCommun2018		1100-1400 AD	1250	1100	1400		Nordic_MA	Denmark medieval		Ravnshale		Denmark
G477	KH150177 PB	55.8	9.72 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1150-1350 AD	1250	1150	1350	30-40	Nordic_MA	Denmark medieval		Tirup		Denmark
G445	KH150185 PB	55.8	9.72 F		0.02	U5	U5																											KrauseFyorAndCommun2018		1150-1350 AD	1250	1150	1350	20-24	Nordic_MA	Denmark medieval		Tirup		Denmark
G281	KH150167 PB	55.8	9.72 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1150-1350 AD	1250	1150	1350	38-50	Nordic_MA	Denmark medieval		Tirup		Denmark
Cathedral AS8 2391	KH150065	55.3	8.77 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1050-1318 AD	1293	1050	1536	24-30	Nordic_MA	Denmark medieval		Ribe		Denmark
HGH-1577		53.9	10.7 M		0.02	U5	U5									HaploFind																		Haller50BN2021	Archaeological Context		1298	1233	1362	65-80	Germany_LMA	Hanseatic League		Lübeck, Schleswig-Holstein	Heiligen-Geist-H	Germany
HGH-1458		53.9	10.7 F		0.02	U5	U5									HaploFind																		Haller50BN2021	Archaeological Context		1311	1259	1362	60-80	Germany_LMA	Hanseatic League		Lübeck, Schleswig-Holstein	Heiligen-Geist-H	Germany
HGH-1559		53.9	10.7 F		0.02	U5	U5									HaploFind																		Haller50BN2021	Archaeological Context		1311	1259	1362	20-30	Germany_LMA	Hanseatic League		Lübeck, Schleswig-Holstein	Heiligen-Geist-H	Germany
Cathedral AS8 13 II	KH150092	55.3	8.77 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1225-1425 AD	1325	1225	1425	40-50	Nordic_MA	Denmark medieval		Ribe		Denmark
Greyfriars AS8 1031	KH150109	55.3	8.77 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1275-1536 AD	1405.5	1275	1536	24-26	Nordic_MA	Denmark medieval		Ribe		Denmark
Greyfriars AS8 1031	KH150124	55.3	8.77 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1275-1536 AD	1405.5	1275	1536	43-53	Nordic_MA	Denmark medieval		Ribe		Denmark
Greyfriars AS8 1031	KH150115	55.3	8.77 M		0.02	U5	U5																											KrauseFyorAndCommun2018		1275-1536 AD	1405.5	1275	1536	30-40	Nordic_MA	Denmark medieval		Ribe		Denmark
Chekanovka1M		51	82		0.02	U5	U5																											Andronovo MBA		3500-3300 BCE	3500	3750	3250		Andronovo	Andronovo		Fëdorovo Altai		Russia
BLA59	BH07_I4/Ph.1	51.4	7.55		0.4	U5a	U5a																											123OBG	14798T												
M94	I, 19Z2	59.4	39.5		0.6	U5a	U5a																																								
M67	II, V	59.4	39.5		0.57	U5a	U5a																																								
M99	I, 22Z2	59.4	39.5		0.57	U5a	U5a																																								
Chekalinka1b		53.3	48.4		0.54	U5a	U5a																																								
HS3833a		48.8	10.4 M		0.49	U5a	U5a																																								
UZOO-70		62	35.4		0.41	U5a	U5a																																								
LOK_1981-D4.03		52.3	104 M		0.41	U5a	U5a																																								
VEG192		46	18.5		0.41	U5a	U5a																																								
A4R 4		51.3	11.7		0.4	U5a	U5a																																								
AU18		46.2	18.7		0.39	U5a	U5a																																								
CSA77		47.5	18.6		0.37	U5a	U5a																																								
WM3	Grab 2	52.1	10.6		0.37	U5a	U5a																																								
OS8		52.6	18.8 M		0.36	U5a	U5a																																								
N94		49.5	39.9		0.35	U5a	U5a																																								
RO514	LA 58 SH2011-2 (Rm.	51.8	10.3		0.33	U5a	U5a																																								
B+A5		49.1	8.55		0.33	U5a	U5a																																								
B+A4		49.1	8.55		0.33	U5a	U5a																																								
Pard2		38.4	-7.53		0.3	U5a	U5a																																								
PH-2		42.8	-2.9		0.3	U5a	U5a																																								
BENZ 20		51.8	10.9		0.29	U5a	U5a																																								
BENZ 14		51.8	10.9		0.28	U5a	U5a																																								
SK19		54.4	10 M		0.28	U5a	U5a																																								
ESP 5		51.4	11.7		0.25	U5a	U5a																																								
ESP 19		51.4	11.7		0.25	U5a	U5a																																								
R3.7	R3.7, long bone frage	47.3	30.3		0.25	U5a	U5a																																								
Dresbeu2		53.7	22.7 M		0.24	U5a	U5a																																								
D2		55.2	10.1		0.24	U5a	U5a																																								
QUEVIN 1		51.8	11.1		0.23	U5a	U5a																																								
GUP4	FP 16 59/66 Schädel	53.7	12		0.22	U5a	U5a																																								
KAR 33		51.3	11.7		0.22	U5a	U5a																																								
PUZTU 5		51.7	11.7		0.22	U5a	U5a																																								
PUZTU 4		51.7	11.7		0.22	U5a	U5a																																								
PUZTU 8		51.7	11.7		0.22	U5a	U5a																																								
MnoanMH		35.1	25.8		0.21	U5a	U5a																																								
M95		40.3	88.7 M		0.2	U5a	U5a																																								
T28-5		40.3	88.7 M		0.2	U5a	U5a																																								
BOO49-1		69.1	36.4		0.2	U5a	U5a																																								
BOO72-11		69.1	36.4		0.2	U5a	U5a																																								
LBI7.2		43.3	-2.35		0.19	U5a	U5a																																								
Sto3		55.3	77.8		0.17	U5a	U5a																																								
Tg89		54	91.5		0.16	U5a	U5a																																								
UE 15112		42	3.07 M		0.15	U5a	U5a																																								
Ile2	Ile_2	55.2	58.7		0.14	U5a	U5a																																								
RO16	RO16	47.2	39.7		0.13	U5a	U5a																																								
EG76		49.6	103 F		0.11	U5a	U5a																																								
EGB6		49.6	103 F		0.11	U5a	U5a																																								
EKF 1703		48.3	11.9 M		0.08	U5a	U5a																																								
N19		54.6	-1.31		0.08	U5a	U5a																																								
N7		54.6	-1.31		0.08	U5a	U5a																																								
AF128		48.3	11.9 F		0.08	U5a	U5a																																								
AF 1335		48.3	11.9 U		0.08	U5a	U5a																																								
AF 127		48.3	11.9 U		0.08	U5a	U5a																																								
CP7		48.9	37.9 M			U5a	U5a																																								
A4295		66	12.7 M		0.06	U5a	U5a																																								
S14		48.3	18.1		0.06	U5a	U5a																																								
G11		55.5	10.5		0.05	U5a	U5a																																								
G5	Grave ALK	55.5	10.5 M7		0.05	U5a	U5a																																								
S8558		68.1	13.3 F		0.05	U5a	U5a																																								
Radom19	20G/66	51.4	21.2 F		0.05	U5a	U5a																																								
Radom28	29G/66 (oxoberk 1)	51.4	21.2		0.05	U5a	U5a																																								
Radom5	2G/66	51.4	21.2 U		0.05	U5a	U5a																																								
SA 2007 AK2 39		37.7	30.5		0.05	U5a	U5a																																								
YaroslavlMDNA35		57.6	39.9 F		0.04	U5a	U5a																																								
YaroslavlMDNA33		57.6	39.9 M		0.04	U5a	U5a																																								
YaroslavlMDNA11		57.6	39.9 M		0.04	U5a	U5a																																								
Chekanovka2		51	82		0.03	U5a	U5a																																								
Rubleve11	22 of 20 new samples	51.6	80		0.03	U5a	U5a																																								
Rubleve8	19 of 20 new samples	51.6	80		0.03	U5a	U5a																																								
Rubleve5	16 of 20 new samples	51.6	80		0.03	U5a	U5a																																								
Rubleve2	13 of 20 new samples	51.6	80		0.03	U5a	U5a																																								
Firsove13	One of 22 samples; T	53.3	84		0.03	U5a	U5a																																								
Firsove4	One of 22 samples; T	53.3	84		0.03	U5a	U5a																																								
Firsove5	One of 22 samples; T	53.3	84		0.03	U5a	U5a																																								
Firsove14	One of 22 samples; T	53.3	84		0.03	U5a	U5a																																								
2x154	Grab 154	56.3	25.1		0.51	U5a*	U5a*																																								
Lebyazhinka4V		53.7	50.7 M		0.56	U5a1	U5a1																																								
Ilum61	H22	58.1	7.74		0.56	U5a1	U5a1																																								
UZ252		38.1	12.8 F		0.53	U5a1	U5a1																																								
Motala363		58.5	15 F		0.49	U5a1	U5a1																																								
BUD 1	B7.	47.5	18.9 F		0.42	U5a1	U5a1																																								
bomsverto14		39.2	-9.05		0.34	U5a1	U5a1																																								
hem005		57.2	18.6 F		0.31	U5a1	U5a1																																								
MCI 386.37		37.2	8.59		0.29	U5a1	U5a1																																								
A727		46.4	101		0.29	U5a1	U5a1																																								
Jum2		40.3	-3.73		0.27	U5a1	U5a1																																								
AU213		46.2	18.7		0.27	U5a1	U5a1																																								
pcw280	25	50.4	20.6 F	33.95&2	0.25	U5a1	U5a1																																								
J0071	Lauzhf44	35.1	25.8 F	552	0.24	U5a1	U5a1																																								
MX280	1953/4	47.8	8.87		0.23	U5a1	U5a1																																								
CLE KH 7		51.8	11.1		0.23	U5a1	U5a1																																								
KAR 48		51.3	11.7		0.23	U5a1	U5a1																																								
KAR 50		51.3	11.7		0.23	U5a1	U5a1																																								
I7639	SB548A, Grave II/B/U 1	52.3	0.46 F	1.54	0.23	U5a1	U5a1																																								
I0354	SVF1_Spirdonovka IV	53	52.4 F		0.23	U5a1	U5a1																																								
Z59		37.7	112 M		0.21	U5a1	U5a1/U5a1a																																								
BOO77-8		69.1	36.4		0.21	U5a1	U5a1																																								
BOO72-10		69.1	36.4		0.21	U5a1	U5a1																																								
BOO77-9		69.1	36.4		0.21	U5a1	U5a1																																								
BOO72-14		69.1	36.4		0.21	U5a1	U5a1																																								
JR129	Armenoi 503 S.EVA.1	35.5	24.2		0.2	U5a1	U5a1																																								
41		54.9	68.9		0.18	U5a1	U5a1																																								
S18	Karasuk 2	53.8	91.4 F		0.18	U5a1	U5a1																																								
K473	RMPR-473	42.1	11.8 F		0.15	U5a1	U5a1																																								
I11323	Cemetery Tengiz, gra	46	53.4 F		0.15	U5a1	U5a1																																								
LIAV311		40.8	16.4 U		0.15	U5a1	U5a1																																								
R25	R25	47.2	39.7		0.14	U5a1	U5a1																																								
Tg87		54	91.5		0.14	U5a1	U5a1																																								
CHE110	Olon Kurin Gol	49.2	101.1 M		0.13	U5a1	U5a1																																								
BTG05.TB.1	BTG05.TB.1	48	89		0.13	U5a1	U5a1																																							

Object-ID	Colloquial-Shelfat	Length	Sex	mtDNA-c-certainty	mtDNA-haplogroup	mtDNA-Haplotype	mt-TF	mt-TF-DNA-ref-Haplotype	mt-SH-no-5.SVS+1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree	Y-Haplotree-Y-FTD-YFull	Y-Yfu-SOGQ2019	FTDNA-Y-Haplotree	Y-SymY-Symbol	Responsible-SNP	SNPs	Autosomo-Damage-Assessment	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
RV 18512		57.8	25.1 F		U5a1d1	U5a1d1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	U5	U																															
RISE240	kurgan 1, grave 11	46.6	43.7 F		U5	U5	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	U5	U																															
PCA0006	BB, ulis 189	52.6	16.8 F		U5a1d1c	U5a1d1c	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1c	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1c	U5	U																															
I4437	ZVE331	56.3	25.1 F	0.23	U5a1d1	U5a1d1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d1	U5	U			4823 TC 146 TCI 4215 AG 14053 AG																											
I2068	230/3	51.7	101	0.09	U5a1d2	U5a1d2	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2	U5	U																															
I2462	EKEA08_220053	51.3	1.36 F	270.0	U5a1d2a	U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	U5	U		HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2016)																											
HGL_M37A		43.6	93	151.20	0.14	U5a2a1	U5a2a1a*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a2/U5a2a/U5a2a1/U5a2a1a*	U5	U			Y9uil																											
VK888	Denmark_Ribe 7	35.5	8.76 F	89.7	0.07	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	736 195C 263G 750G 14380 1700C 2706G 3107C 3197C Haplogrep, KlossBrandaEdaMtPunMutal2011																											
M120	MW508520	45.8	25.6 U	0.05	U5a1d2a (100%)	U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	U5	U	16145A 16176G 195C 263G		HaploGrep2 based on PhyloTree17 (accessed 22.06.2020)																											
LP4264mt	A_MD05925.1	55.4	8.41	0.04	U5a1d2a	U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2a	U5	U			T3621C	Y9uil																											
MUR019		55.3	50.1	0.91	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
Tamula52		57.8	27 M?	0.79	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
Tamula1	Tamula1	57.8	27 F	0.76	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
I2472	Aaf	45.9	87.9 M?	0.49	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	16192T 16256T 16270T 16304C																															
I1488	30Pet53, collection 66	48.8	83.9 F	570.0	U5a1d2b	U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	U5	U			Y9uil																											
A_9		52.1	93.6	0.36	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
DA50	Ryr 18	41.4	75.3 F	0.33	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
I2462_K3	VK2_K3	49.4	87.6	0.32	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U																															
Pr13	Pr13	52.1	53.9	0.32	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	73G 263G 152C 195C 1573.XC 886 73G 152C 195Y		Haplogrep,Phylotree build14																												
MTfmper1		47.5	19.3	0.14	U5a1d2b	U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	U5	U																															
BAI231&B		46.7	17.4 M	0.14	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	16192T 16256T 16270T 16304C 16399G																														
Levk4078		48.2	18.6 F	0.14	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	16192T 16256T 16270T 16304C 16399G																														
NLKDMs_M50B	-	43.6	82.5	467.12	0.18	F1b1a1~@152	U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	U5	U	73G 263G 5153DG 8860G		73G 263G 5799T	Y9uil																										
VFRport51		46.7	17.3	0.15	U5a1d2b	U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b	U5	U	73G 263G 5153DG 15376G		73G 263G 5779Y	Y9uil																										
HMS2ave215		46.5	19.1	0.15	U5a1d2b	U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1d/U5a1d2b*																																	
A_6	A_6	52.1	93.6	0.15	U5a1f1	U5a1f1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1f/U5a1f1	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1f/U5a1f1	U5	U																															
NLKRT_M66-b-c	-	43.5	83.3	272.66	0.19	U5a1f1	U5a1f1*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1f/U5a1f1*	U5	U			Y9uil																											
NLKRT_M66-a8	-	45.5	83.3	265.288	0.19	U5a1f1	U5a1f1b	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1f/U5a1f1b	U5	U			Y9uil																											
Tp30		54.7	90.8	0.47	U5a1h	U5a1h	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1h	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1h	U5	U	16192T-16213DBG																											
Alb3a		48.1	5.45 F	0.26	U5a1h	U5a1h	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1h	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1h	U5	U			H2a2b	Haplofind																										
Khvalynsk21	Khvalynsk II Grave 7	52.4	48.1 F	0.39	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Khvalynsk22	Khvalynsk II Grave 7	52.4	48.1 F	0.39	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Khvalynsk23	Khvalynsk II Grave 7	52.4	48.1 F	0.39	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
I2442	SVP55_Zhurovka9kv1	53.4	52.2 F	6.3	0.26	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
pao790		50.9	24 M	0.24	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, A750G, G769A, A1438G, A2706G, T3107C, A4769G, C4796T, C7028T, A8860G, G8477A, A11467G, G11719A, A12308G, G12372A, T13617C, C14766T, A14793G, A14893G, T14971C, A15218G, A15326G, C16192T, C16270T, A16399G, C16527T																											
pao791		50.9	24 F	0.24	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, A750G, G769A, A1438G, A2706G, T3107C, A4769G, C4796T, C7028T, A8860G, G8477A, A11467G, G11719A, A12308G, G12372A, T13617C, C14766T, A14793G, A14893G, T14971C, A15218G, A15326G, C16192T, C16270T, A16399G, C16527T																											
Khvalynsk24	Khvalynsk II Grave 7	52.4	48.1 F	0.39	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A16129G T16187C C16189T T16223C G16230A C16256T C16270T T16278C C16311T A16399G																											
I2443	SVP55_Zhurovka9kv1	52.4	48.1 F	6.3	0.26	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
I1406	1H06_Age_2_T163	48.9	4	0.29	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A16129G T16187C C16189T T16223C G16230A C16256T C16270T T16278C C16311T A16399G																											
HUGO_169562	MF498583	48.3	10.9	0.28	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	T16093C A16129G T16187C C16189T T16223C G16230A C16256T C16270T T16278C C16311T A16399G																											
LD10Bmt	G.17, MH2595573.1	56.4	9.4	0.04	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A16129G T16187C C16189T C16192T T16223C G16																											
MT5D1		49.2	101 F	0.32	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Kenesin-Faseksnaq2/3244		48.2	21.5 M?	0.06	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, A750G, A1438G, A2706G, T3107C, A4769G, C4796T, C7028T, A8860G, G8477A, A11467G, G11719A, A12308G, G12372A, T13617C, C14766T, A14793G, A14893G, T14971C, A15218G, A15326G, C16192T, C16270T, A16399G, C16527T																											
pao225	MH1783413.1	48.6	28.4	0.04	U5a1i	U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	U5	U																														
DBXR_9B	9 SK 8	48.3	10.9	0.29	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U			RivoliaSciAdv2020																											
I8940	Steppe95-2_burial 117	53.9	50.1 F	0.11	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
KO0015	KO0015.AD020.TF1.1	50	152.7	0.11	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
I2776	7-267	42	2.31 F	189.0	0.48	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, T310C, A750G, A1438G, A2706G, T3107C, A3198G, A4765T, A4769G, A5894G, C7028T, A8860G, G8994A, G9477A, A11467G, G11719A, A12308G, G12372A, T13617C, C14766T, A14793G, A14893G, T14971C, C16256T, C16270T, A16399G																											
Alb3b		48.1	21.7 F	0.06	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Pr13mt37		47.3	21.1	0.62	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	73G 263G 750G 960.XC 1438G 2706 750 263G 750																											
cagdp4	c4	53.9	18.8 F	0.32	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Smper29		47.2	21.2	0.06	U5a1i	U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	U5	U	73G 263G 195G 1C 1495YC 1577YC 73G 263G 750																											
BLA45		51.4	7.55 M	0.33	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
1H06	1H06_Age_2_T163	48.9	4	0.29	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
HUGO_169562	MF498583	48.3	10.9	0.28	U5a1i	U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	U5	U	455del.missing 16394C		G9548A	Y9uil																										
LD10Bmt	G.17, MH2595573.1	56.4	9.4	0.04	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U			C13351T	Y9uil																										
I0548	I0548_a1	51.8	10.9	0.29	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
Koelbjerg		55.4	10.1 M?	0.4	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U																														
ZV39	Grab 39	53.9	25.1 M	0.44	U5a1i	U5a1i (Fu-Br reported)	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, A750G, A1438G, A2706G, T3107C, A4769G, G6249A, C7028T, A8860G, G9477A, C10619T, A11467G, G11719A, C11917T, C13197T, A13198G, G13372A, T13617C, C14766T, A14793G, A15326G, C16192T, C16256T, C16270T, G16526A																											
I7178	2528	52.1	63.1 F	183.0	0.18	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U			C16019T	Y9uil																										
LI135mt	G319_MN039639.1	51.5	-0.07 F	0.0	U5a1i	U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	U5	U	73G 263G 750G 14380 1700C 2706G 3197C 4769G 7028T HaploGrep, KlossBrandaEdaMtPunMutal2011																											
VK455	Gotland_Fingel-D9401	57.3	18.2 F	118.0	0.16	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	73G 263G 750G 14380 2706G 3197C 4769G 7028T HaploGrep, KlossBrandaEdaMtPunMutal2011																											
RLA20	D4/174	51.4	7.55 F	0.63	U5a1i	U5a1i*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i*	U5	U	nd		T14465C+T15Y9uil																											
I2934	GENOC0772	58.7	-2.92 F	445.0	0.1	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U			Knipper-PNAS2018																											
pao535		50.5	21.5 F	0.22	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U	A73G, A263G, A750G, A1438G, T1452C, A2706G, T3107C, A4769G, C7028T, A8860G, G9477A, C10619T, T11465C, A11467G, G11719A, A12308G, G12372A, A13434G, T13617C, C14766T, A14793G, A15326G, C16192T, T16243C, C16256T, C16270T, G16526A																											
VLASA52		54.5	22.1 M?	0.53	U5a1i+16194	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U																														
UZ271		38.1	12.8 F	0.3	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	73G 263G 7 8523G 5460A 15297C 16193CI																											
I4873	VLSC_HS3	44.5	22.1 F	233.0	0.46	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i	U5	U			U5a1i+16294	Y9uil																										
I4801	U2-JAR-021_Jarkutan	37.8	67.9 F	415	0.23	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	1467T 15271T 13969A 16391A 16519T		Unspecified																										
I8125	Roughan9I125	53	-0.11 F	0.2	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	16256T 16270T 16399G																													
RH468	Roughan9H468	53	-0.11 F	0.2	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	16145A 16256T 16270T 16399G																													
I3350	MW507_collection 19	55.2	89.3 F	722.0	0.23	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	1467T 15271T 13969A 16391A 16519T		Y9uil																											
NLKRZ_M23		43.2	81.8	349.816	0.31	A8a1	U5a1i+C16294T*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T*	U5	U	16256T 16270T 16399G		Y9uil																											
LG4Dnd	12195_MH3596773.1	51.5	-0.07 M?	0.03	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	73G 263G 750G 14380 1700C 2706G 3197C 4769G 7028T 8860G 9477A 11467G 11719A 12308G 12372A 12463A 13617C 14766T 14793G 15218G 15326G 15924G 16192T 16256T 16270T 16399G		C16294T	Y9uil																										
R241	PAON_24	44.6	22 F	248.0	0.05	U5a1a	U5a1a	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1a	U5	U			U5a1i+16294	RecArabi_v44.3																										
I2350	MW507_collection 19	55.2	89.3 F	722.0	0.23	U5a1i+16294	U5a1i+C16294T*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T*	U5	U			U5a1i+16294	RecArabi_v44.3																										
NLKRZ_M23		43.2	81.8	349.816	0.31	A8a1	U5a1i+C16294T*	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T*	U5	U			U5a1i+16294	RecArabi_v44.3																										
ESP 23		51.4	11.7	0.22	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	C16114A A16129G T16187C C16189T C16192T T16223C G16230A C16256T C16270T T16278C C16294T C16311T																											
RISE480	rt 10169/1550 rt1 23	51.5	84.7	0.21	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U			Y9uil																											
par39		45.1	7.5	0.08	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	1144A 1927 2567270T 2947																													
HDK2.2		47.9	16.8	0.07	U5a1i+16294	U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	https://eurohaplogroups.com/ftdna/tree/U/U5/U5a/U5a1/U5a1i+C16294T	U5	U	73G 152T 263G 315.1C 750G 14380 2706G 3197C 4769G 7028T 7853A 8860G 9477A 11467G 11719A 12308G 12372A 12463A 13617C 14766T 14793G 15218G 15326G 15924G 16192T 16256T 16270T 16294T 16526A																											
HDK5.1.1		47.9	16.8	0.07	U5a1i	U5a1i	https://eurohaplogroups.com/ftdna/tree/U/U

Object-ID	Colloquial-Skeletal	Lat(ka)	Lat(cal)	Sex	mtDNA-Coverage	mtDNA-Haplogroup	mtDNA-Haplotype	mt-PT-mtree	mt-ST-PDNA-mt-Haplotree	mt-Sim-No.5-HVS-1	HVS-II	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree / Y-Haplotree	Y-FTD-YFull	Y-Yfu-SDGG2019	FTDNA-Y-Haplotree
I0014	Motala4	58.5	15 ?	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala114		58.5	15 kA	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala309		58.5	15 NA	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala307		58.5	15 ?	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala117		58.5	15 ?	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala1913		58.5	15 ?	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Motala4tanajlorden		58.5	15	-	0.44	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
ZV322	Grab 122	52.3	25.1 kA	-	0.43	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Khvalynsk9i	Khvalynsk II Grave 7	52.4	48.1 ?	-	0.38	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Kleinaare		52.4	26.1 kA	-	0.38	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
pom470		50.3	20.4	142	0.25	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	A73G, A200G, A263G, A750G, A1438G, A2706G, C3106A, T3197C, A4769G, C7028T, A7843G, AB860G, AB989G, G9477A, A11467G, G11719A, A12308G, G12372A, T13347C, T13617C, A14587G, C14766T, A14979G, C14864T, A15326G, C16192T, C16256T, C16270T, G16526A							
I0050	50050	51.4	11.7	-	0.25	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Domkainis6	Domkainis6	55.8	22.4 ?	-	0.38	U5a2d	U5a2d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
TUO003		50	27.1 ?	-	0.38	U5a3d1	U5a3d1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a3.html	U5	U	..												
I3600		53.1	13.8	-	0.46	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	HaploGrep2												
Chan		53.1	13.8	-	0.53	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	67137		Haplogroup, GonzalezFortesCarrilBal2017										
Sebe2		39	4.79	-	0.47	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
FR14	Individuum 3	53.1	13.8	-	0.46	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
GF3		53.1	13.8 ?	-	0.46	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	12308G, 16270T												
FR13	Individuum 1	53.1	13.8	-	0.45	U5b1b+@16192	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
GF1		53.1	13.8 NA	-	0.45	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	12308G, 16270T												
Klemill	Kleinhadersd.	48.7	16.6 ?	-	0.43	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
I0133		51.3	11.7	-	0.41	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
FR84		47	18	-	0.39	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16270 16274a 16311c 16362c												
GR1	1961/82	53	14.2 M	-	0.38	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												Blöcher2019 from Schulz2015
CSAT30		47.5	18.6	-	0.38	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16129a 16171a 16193t 16270t												
Wittmar34		52.1	10.6	-	0.37	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16129a 16171a 16193t 16270t												
Prisa22		46.2	-0.48 U	-	0.36	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	73G, 150T, 263G, 16270T												
Individual1		42.4	1.49	-	0.36	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	116105-16400; 8-390; 16270T 73G 2	frequency on AmtDB, conv? Hedel2, D25441:11, D195433:11,THO1:9-9,D12S10045:12,D10S1248:12-15,D2S1338:16											
Mnra14		41.3	-2.53	-	0.33	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 C16167T T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T A16399G												
Rem 22	Inv. 2948-51	42.4	0.49 U	-	0.33	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
Rem 33	Inv. 3000-02	42.4	-3.49 U	-	0.33	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
Bi.83	DA3501	51.4	7.55	-	0.33	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	12308G 14798T												
I0033	SR46242_Bk.SG	51.6	-4.69 ?	39	0.32	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	H	Phy-Mer											
Isernia002		39.2	0.05 NA?	-	0.31	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
Par3		38.8	-0.28	-	0.31	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
SAL2 69		51.5	11.3	-	0.3	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
BENZ 35		51.8	10.9	-	0.28	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
Cmol138		38.1	-1.86	-	0.28	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
Gro3		39.6	-8.4	-	0.28	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
Ire4		57.6	18.2	-	0.28	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
Par16		39.2	-9.29	-	0.27	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
Par7		39.2	-9.29	-	0.27	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
KAR 56		51.3	11.7	-	0.26	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T!C16167 C!50T C!52T C!93T A247G												
KAR 5		51.3	11.7	-	0.26	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
HOPI002	HOPI002.A0101.TF1.1	50.1	14.3 ?	-	0.25	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
GLB 27		51.8	11.1	-	0.24	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
Falo5		37.3	-1.86	-	0.23	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
Vale5		42.4	-2.89	-	0.23	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C A16299G C16311T T16362C												
Gam7		41.5	2.08	-	0.2	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
Gam4		41.5	2.08	-	0.2	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	n.d.												
I0045	CV-Sep30.8	38.2	-8.71 ?	3.32	0.2	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	HaploGrep2												
F8		51.7	10.2 ?	-	0.16	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
F7		51.7	10.2 ?	-	0.16	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
F4		51.7	10.2 ?	-	0.16	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
S8		55.4	11.7	-	0.11	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16192T,16270T,16304C												
FCA2005	87; ub. 154	52.6	16.8 NA	-	0.1	U5b*	U5b*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16074G,16188C,16192T,16249C,16270T												
B7		54.8	12.96	-	0.1	U5b(1)	U5b(1)	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16192T, 16270T												
K6	314	52.6	16.8	-	0.1	U5b*	U5b*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16189, 16270												
B7		52.6	-1.14	-	0.09	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16519, 19192, 16270, 16311												
Pragg035		37.4	-4.2	-	0.09	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
Yaroslavl4DNA8		57.6	39.9 NA	-	0.04	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	16189C,16192T,16270T,16398A												
Yaroslavl4DNA7		57.6	39.9 NA	-	0.04	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
K13		55	11.9	-	0.03	U5b	U5b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	U5	U	..												
Rublevo9	20 of 20 new samples	51.6	80	-	0.03	u5a	U5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Rublevo12	23 of 20 new samples	51.6	80	-	0.03	u5a	U5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Rublevo6	17 of 20 new samples	51.6	80	-	0.03	u5a	U5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Rublevo3	14 of 20 new samples	51.6	80	-	0.03	u5a	U5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5a2.html	U5	U	..												
Oberhaver008		51.2	6.76	-	0.02	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
Ranchot88	Ranchot88	47.9	5.43 ?	-	0.62	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
FR26		45.6	0.33 ?	-	0.57	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
CMS001	CMS001, 22, Motta de	39.2	8.65 ?	-	0.48	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	U5b1 + 16189!haplogrep2												
Vedin4	Vedin4	58.2	26.5	-	0.4	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	210												
Fu2ur		42.9	1.26	-	0.39	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	16051-16093? -16189-16192-16270												
Vedin1		58.2	26.5	-	0.38	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
Domkainis1	Domkainis1	55.8	22.4 ?	-	0.37	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
Ariekursna1		55.5	26.7 ?	-	0.37	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
LagerCamp41	LC41	39.4	-8.82 ?	-	0.36	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
Dudka2		51.9	21.7	-	0.34	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
Dudka3		51.9	21.7	-	0.34	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
I0408	Mina18	41.3	2.33 ?	-	0.34	U5b1	U5b1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1.html	U5	U	..												
I0751	Fussels_Lodge_1, SR-4	51.1	-1.73 ?	-	410	U5b1b	U5b1b*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	U5b1+16189+Phy-Mer												
I0746	Aveline_5, SR-350C3	51.1	-2.75 ?	-	227	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	U5b1+16189+Phy-Mer												
Par18		39.2	-9.29	-	0.32	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	A161290 T16187C C16192T T16223C G16230A C16270T T16278C T16311T												
Bar9		41.1	0.96	-	0.28	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	A161290 T16187C C16192T T16223C G16230A C16270T T16278C T16311T												
I0154	11831	37.2	-4.24 ?	-	2.59	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	HaploGrep2												
pse375		51.1	17.2	-	34	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	A73G, C1507, A2630, A7540G, A14380, A27065, C3106A, T3197C, G3369A, A4769G, A5656G, C7028T, G7843A, A7786G, AB860G, G9438A, G9477A, A11467G, G11719A, A12308G, G12372A, T13617C, T14182C, C14766T, A15326G, T15747C, C16192T, C16270T							
I3239	TDPAD-02	43.4	5.98 ?	-	0.26	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	HaploGrep2												
BR14NSFE		48.3	4.1	-	0.26	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	Haplofind and Phy-Mer, Phylotree build17												
I0613	Year10A, Area 10 UR2	40.4	-3.5 ?	-	385	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G!HaploGrep2 based on phylotree48 (mtDNA tree build 17 (accessed 18 February 2018)												
I5P 9		51.4	11.7	-	0.23	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	A161290 T16187C C16189T C16327 T16223C G16230A C16270T T16278C T16311T												
ValeOvere0007	VO10007	38.1	-8.1 ?	-	0.21	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	HaploFind												
W30		52.6	1.3	-	0.06	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	16189, 16270												
Mechtild		58.4	15 ?	-	0.04	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	16189C, 16270T												
Kiemus20		59.5	25.7	-	0.02	U5b1b	U5b1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1b.html	U5	U	..												
DEN001	OE 4008-1	48.5	7.48 ?	-	0.08	U5b1a	U5b1a	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1a.html	U5	U	..												
stp014		57.6	18.7 NA	-	0.06	U5b1a1	U5b1a1	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1a1.html	U5	U	n/a												
FCA2045	ub. 297	52.6	16.8 ?	-	0.11	U5b1d	U5b1d	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d.html	U5	U	..												
I8877	VLSC_H527	44.5	22.1 ?	-	314	U5b1d1	U5b1d1*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1.html	U5	U	YFull												
I8875	VLSC_H267	44.5	22.1 ?	-	355	U5b1d1a	U5b1d1a*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1a.html	U5	U	YFull												
I0heat	OHeat_Gr55	48.5	10.3	-	0.5	U5b1d1a	U5b1d1a	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1a.html	U5	U	..												
Bockstein	Bockstein	48.3	10.1	-	0.49	U5b1d1a	U5b1d1a	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1a.html	U5	U	..												
I3233	PAON_1	44.6	22 ?	-	218	U5b1d1a	U5b1d1a*	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1a.html	U5	U	YFull												
I10052	PBL10-4	44.7	18.1 ?	-	34.2	U5b1d1b	U5b1d1b	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b1d1b.html	U5	U	..												
Kudrukula1_6	Kudrukula1_6, Kudruk	59.4	28.1 ?	-	0.33	U5b2	U5b2	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2.html	U5	U	..												
I0434		5.3	52.9 17.9 ?	-	60.3	U5b2a	U5b2a	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2a.html	U5	U	Haplofind and Phy-Mer, Phylotree build17												
I5162		43.2	2.31	-	0.28	U5b2a5	U5b2a5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2a5.html	U5	U	Phylotree build 17												
Pol-17		37.6	13.8	91.16	0.18	U5b2a5	U5b2a5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2a5.html	U5	U	Phylotree build 17												
FCA2060	ub. 491	52.6	16.8 NA	-	0.11	U5b2a5	U5b2a5	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2a5.html	U5	U	..												
Srbpw63		47.2	21.2 ?	-	0.07	U5b2a7	U5b2a7	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b.html	https://www.phylotree.org/tree/mtdna/r17/mtdna/5b2a7.html	U5	U	73G 150T 2456!C 9536 8860G	73G 150T 2456!C 9536 8860G											
OTTM_142	OTTM_142	48.2	10.8 ?	-	0.72	U5b2a8	U5b2a8	https://www.phylotree.org/tree/

Object-ID	Colloquial-Skeletal	Lat	Lon	Age	Sex	mtDNA-Count	mtDNA-haplogroup	mtDNA-Haplotype	mt-YF-mtree	mt-YF-DTDNA-mt-Haplotree	mt-Sin-no	mt-Sin-no-5-HVS-I	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree-Y-FTD-YFull	Y-Yfu-SGDG2019	FTDNA-Y-Haplotree	Y-SymY-SymbolG	Responsible-SNI	SNPs	Y-Haplotree - Y-Haplotree-Y-FTD-YFull	Y-Yfu-SGDG2019	FTDNA-Y-Haplotree
I3951	10Pe550, collection 66	48.8	83.9	?		454	U5	U5b2a1a+16311	U5b2a1a+16311CT	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a-16311ct/	US	U				**Y-Full**															
TM011		57.1	40.7			33	U5b2a1a	U5b2a1a+T16311C		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a-t16311c	US	U																			
KON004	KONDOA.B01.01.TP1.1	50.6	13.7			7	U5b2a1a	U5b2a1a		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a	US	U																			
CB8X_T3	CB8X_T3	48.3	10.9	?		1	U5b2a1a	U5b2a1a		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a	US	U	149587 16474C			Knipper/PNA52018															
ancd210		57.5	18.1	U		1	U5b2a1a	U5b2a1a		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a	US	U				..															
MI-44	UT-40-16/1-4	53.9	55.4	?		1	U5b2a1a	U5b2a1a		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a	US	U				..															
LHS211	MG182468	46.8	17.8			1	U5b2a1a	U5b2a1a1*		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a1	US	U				**Y-Full**															
LI02Emil	KH102MD361.1	51.5	0.07	U		1	U5b2a1a	U5b2a1a1*		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a1	US	U			A89G	**Y-Full**															
GB96	KH152845	55.4	10.4	M		1	U5b2a1a	U5b2a1a1		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a1	US	U																			
TU058	Hollola4, MN540488.1	61	25.5			1	U5b2a1a1	U5b2a1a1a		https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a1/u5b2a1a1a	US	U	73G 150T 263G 485C 750G 8860 14380 17271	**Y-Full**																	
TU480	Luistari7, MN540481	61.1	22.1			1	U5b2a1a-a-1a	U5b2a1a-a-1a	U5b2a1a-a-1a+16311CT	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a-a-1a/u5b2a1a-a-1a	US	U	73G 150T 195T 263G 310C 750G 750G 14380 17217	**Y-Full**																	
BM.AG	MH600529.1	42.4	25.6			1	U5b2a1a-a-2	U5b2a1a-a-2	U5b2a1a-a-2+16311CT	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a1/u5b2a1a/u5b2a1a-a-2/u5b2a1a-a-2	US	U	73G 150T 195T 263G 310C 750G 14738 16311CT	**Y-Full**																	
I3164	QLEV166	51.8	11.1	F		1	U5b1	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U	A16129G T16187C T16223C G16230A T16278C C1																		
HAK13.858		46.7	19.7			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U	16093C 16325C																		
LM6Bent	I1050, MR059739.1	51.5	-0.08	M		1	U5b2b	U5b2b	U5b2b+	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U				**G14323A + T7Y+Full**															
BLA6	DA7001_DA7008	55.4	7.55			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U	nd																		
Bla59	Blaetterh.	51.4	7.55	M		1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U																			
BLA27	DA7035	51.4	7.55			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U	12308G14798T																		
QLB 6	QLB6	51.8	11.1			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U	A16129G T16187C C16192T T16223C G16230A C16270T T16278C C16311T G16398A																		
I0557	S0557	51.8	11.1			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b	US	U				..															
BLA17	DA7032	51.4	7.55	M		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	nd																		
BLA12	DA7025	51.4	7.55			1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	nd																		
ajp36		57.3	18.2	M		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	A73G, C150T, A263G, T310C, A750G, A1438G, C17..																		
vlp002		57.6	18.7	F		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	73G 150T 263G 750G 14380 17271 17306 319TC	Haplogrep, KlossBrandaletterHumAstut2011																	
vlp004		57.6	18.7	F		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U																			
Ivb004	Kurgan 23, Burial 2	54.1	55.5	F		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	A73G, C150T, A263G, T310C, A750G, A1438G, C17..																		
VK434	Gotland_Fridpol-G1288	57.3	18.2	F	30.6	0.07	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	73G 150T 263G 750G 14380 17217 17306 319TC	Haplogrep, KlossBrandaletterHumAstut2011																	
RHU003	RHU003_AS101.TP1.1	50.2	14.6	F			U5b2b2a	U5b2b2a	U5b2b2a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2/u5b2b2a	US	U	A73G, C150T, A263G, A750G, A1438G, C17271, A2706G, T319TC, C3107T, A4732G, A4769G, C7028T, A7586G, A8860G, G9477A, A11467G, C11794A, T12136C, A12308G, G12372A, T13617C, A13630G, T14182C, C14766T, A15326G, T15618C, C16192T, C16270T, G16398A																			
pop717		50.1	20	M		1	U5b2b2a	U5b2b2a	U5b2b2a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2/u5b2b2a	US	U																			
WEHR_11926B	WEHR_11926B	48.3	10.8	F		1	U5b2b2b	U5b2b2b*	U5b2b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2/u5b2b2b*	US	U				**A2755G + T5Y+Full**															
LM8Bent	25492, MR059737.1	51.5	-0.08	M		1	U5b2b2b	U5b2b2b	U5b2b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2/u5b2b2b	US	U	A16129G T16187C T16223C G16230A C16270T T16278C C16311T G16398A																		
SAL2.29		50.5	11.9			1	U5b2c	U5b2c	U5b2c	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c	US	U	A73G, C150T, A263G, A750G, A1438G, C17271, A2706G, T319TC, C3107T, A4732G, A4769G, C7028T, A7586G, A8860G, G9477A, A11467G, C11794A, A12308G, G12372A, T13617C, A13630G, T14182C, C14766T, A15326G, T15618C, C16192T, C16270T, T16304C, G16398A																			
pop533		50.5	21.5	U		1	U5b2c	U5b2c	U5b2c	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c	US	U																			
Mok30		287	45.9	F		1	U5b2c	U5b2c	U5b2c	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c	US	U																			
MR0028	MR0028.B01.01.TP1.1	50	15.8	F		1	U5b2c	U5b2c	U5b2c	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c	US	U																			
I2988	GENO2760	55.4	-5.2	F	544.3	0.37	U5b2c1	U5b2c1	U5b2c1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c/u5b2c1	US	U				U5b2a+@16519Full															
I8754	Parkneabinnia C1153, C	53	9.11			1	U5b2c1	U5b2c1	U5b2c1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c/u5b2c1	US	U	146T; 150T; 9944T; 16261G!327																		
UNTAB9_113	MF4908G1	48.1	10.9			1	U5b2c1*	U5b2c1*	U5b2c1*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c/u5b2c1/u5b2c1*	US	U	123BA 1070C 16240G			**T16051C**	**Y-Full**															
ELW0006		49	10.1	F			U5b2c1a	U5b2c1a	U5b2c1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c/u5b2c1/u5b2c1a	US	U																			
pop024		51.2	21.2			1	U5b2c1a	U5b2c1a	U5b2c1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2c/u5b2c1/u5b2c1a	US	U	A73G, C150T, A263G, T310C, C3127T, A7505G, A14580G, C3721T, A2706G, T319TC, A4732G, A4769G, C7028T, A7586G, A7748G, A8860G, G9477A, G14460A, A14467G, C11794A, A12308G, G12372A, G13368A, T13617C, A13630G, T14182C, C14766T, T15476T, A15326G, T15618C, C16270T																			
tor023	MT31:7	58.2	13.6	F	10.6389	0.26	U5b2a4 (8.8772)	U5b2a4	U5b2a4	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a4	US	U		Haplogrep 2.0			1202														
tor022	MT31:6	58.2	13.6	M	22.5038	0.25	U5b2a4 (8.8772)	U5b2a4	U5b2a4	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a4	US	U		Haplogrep (v2.1.20)			T2850														
HB76	VLSC_H232	44.5	22.1	F	471.5	0.58	U5b2a4a	U5b2a4a	U5b2a4a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a4/u5b2a4a	US	U		**Y-Full**																	
CAL.204		42.6	2.19			1	U5b2a5	U5b2a5	U5b2a5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5	US	U	A16129G T																		
STANKO	Stratum 12 /2004	43	16.7	M		1	U5b2a5	U5b2a5	U5b2a5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5	US	U	16270t 16311c																		
Mrud1		41.1	2.53			1	U5b2a5	U5b2a5	U5b2a5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5	US	U	A16129G T16187C T16223C G16230A C16270T T16278C																		
BLA25	BV11_OldPru 30.3	51.4	7.55			1	U5b2a5	U5b2a5	U5b2a5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5	US	U	12308G 14798T																		
JK2066	Levänluhtasi1, KM218	42.9	22.4			1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	73G 150T 263G 310C 750G 14380 17217 2706G	**Y-Full**																	
LE11Sint	I3502, MR059635.1	51.5	-0.07	F		1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U				**A11725G + A7Y+Full**															
Pagliccit71		41.7	15.6			1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	..																		
Bouusieres39	Ibouusieres39	44.3	4.46			1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	..																		
I1875	STANKOa	43	16.7	F		1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	..																		
VLA5441		44.5	22.1	XX		1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	..																		
VLA5444		44.5	22.1	XY		1	U5b2a5*	U5b2a5*	U5b2a5*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a5/u5b2a5*	US	U	..																		
UZ269		38.1	12.8	F		1	U5b2a6	U5b2a6	U5b2a6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a6	US	U	73G 150T 2505A 9833C 12477C 16311C 16355T																		
LCZ4446		38.1	12.8	F		1	U5b2a6	U5b2a6	U5b2a6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2a/u5b2a6	US	U	73G 150T 2505A 9833C 12477C 16311C 16355T																		
I2077S, I2075S	Mos45, I2077S	48.9	33.8	F		1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b	US	U	..																		
I5885	MoraS, Grave 84, T	48.2	58.9	F	221.5	0.55	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b	US	U	Haplocrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)	Haplogrep, KlossBrandaletterHumAstut2011																	
V7P4-3		43.3	1.2			1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b	US	U																			
I3277	UHUE2014.11i	42.6	23.7	F		1	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U	A16129G T16187C C16189T T16223C G16230A C1	Haplocrep2 based on phylotree#48 (mtDNA tree build 17 (accessed 18 February 2016)																	
I0459	Rep2	42.4	3.75	F	419	0.3	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U																			
I5188	Fougan 2, burial 1	52.1	57.7	F		1	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U																			
I4782	42.4AZ.004, Kazakh N	46.9	80.7	F	507	0.25	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U	A73G, C150T, A263G, A750G, A1438G, C17271, A2706G, T319TC, A4769G, C7028T, A7586G, A8860G, G9477A, A11467G, A11650G, G11719A, A12308G, G12372A, A12634G, T13617C, A13630G, A13637G, T14182C, C14766T, A15326G, T16093C																			
pop053		50.5	20.8	F			U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U	A73G, C150T, A263G, A750G, A1438G, C17271, A2706G, T319TC, A4769G, C7028T, A7586G, A8860G, G9477A, A11467G, A11650G, G11719A, A12308G, G12372A, A12634G, T13617C, A13630G, A13637G, T14182C, C14766T, A15326G, T16093C																			
NEO	NEO	48	7.4	F	72	0.18	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U	Haplofind and Phy-Mer, Phylotree build17																		
Tempyasow2		53	58.1	F		1	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U																			
Iem001	Kurgan 9, Burial 1	53	58.1	F		1	U5b2b1	U5b2b1	U5b2b1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1	US	U	A73G, C150T, A263G, A750G, A1438G, C17271, A2..																		
LM43mt	7127	51.5	-0.08	F		1	U5b2b	U5b2b	U5b2b	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b	US	U	A11615G + A Y+Full																		
Cambridge	Cambridge	42	13.5			1	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	..																		
I1736	inv. 6285/1/1	46.3	35.1	F	216	0.51	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	A16129G T16187C C16189T T16223C G16230A C16270T T16278C C16311T T16362C																		
LCZ30		38.1	12.8	F		1	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	73G 150T 263G 750G 14380 17217 2706G 319TC A38G16 4769G 7028T 7788G 8860G 9477A 11467G 11653G 11719A 12308G 12372A 13617C 13634G 13730G 13637G 14182C 14766T 15326G 15349TA 15627G 16362C																		
I6199	TIG53a	48	21.2	F	201	0.48	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	..																		
I5183	Ostrovlyapsri	42.6	25.4	F		1	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U																			
pop354	Pelkina2, MN540524	61.3	34.3			1	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	Haplofind and Phy-Mer, Phylotree build17																		
BLA14	DA7007, DA7009, KF52	51.4	7.55			1	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	nd																		
I2612	TWCWr.SU008.1954	54.9	-1.45	F	366.5	0.19	U5b2b1a	U5b2b1a	U5b2b1a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b1/u5b2b1a	US	U	Haplofind and Phy-Mer, Phylotree build17																		
POST_111	MF408659	48.3	10.9			1	U5b2b2	U5b2b2	U5b2b2*	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2*	US	U	1193A 7311.1T			**C6161T + G8EYFull**															
I107	Keenage7	53.6	42.7	F		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	146T; 150T; 16519T																		
I12516	UE 3000.1	40.5	0.48	F	147.5	0.2	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	..																		
R16	RMPR-16	41.7	13.7	F		1	U5b2b2	U5b2b2	U5b2b2	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b2	US	U	..																		
JK2724	JK2724, LP1002 (114)	39.9	9.24	F	92.7	0.41	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
Ram 2	Ind. 2	42.4	0.49	MT		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
Rain 19;	Inv. 1149-50	42.4	0.49	U		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
Rain 4	Ind. 4	42.4	0.49	F?		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
Rain 1	Ind. 1	42.4	0.49	F?		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
Pit 11; UE77		38.4	-7.55	F	223.5	0.34	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U	Haplogrep2																		
GCP004		41.8	13.4	F		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
I14168		50.1	14.2	F		1	U5b2b3	U5b2b3	U5b2b3	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3	US	U																			
BOUA		43.5	3.56			1	U5b2b3a	U5b2b3a	U5b2b3a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3/u5b2b3a	US	U	Haplofind and Phy-Mer, Phylotree build17																		
HUGO_167		48.3	10.9	U		1	U5b2b3a	U5b2b3a	U5b2b3a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3/u5b2b3a	US	U	513TC 16265C 16311C	Knipper/PNA52018																	
AITI_66		48.2	10.8	F		1	U5b2b3a	U5b2b3a	U5b2b3a	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3/u5b2b3a	US	U																			
KAR 36		51.3	11.7			1	U5b2b3a1	U5b2b3a1	U5b2b3a1	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b3/u5b2b3a/u5b2b3a1/u5b2b3a1a	US	U	C16147 A16129G T16187C C16189T T16223C T16224C G16230A C16270T T16278C C16311T	Haplogrep2																	
I7595	LL11, S-EVA 22878	38.7	-0.49	F	22		U5b2b4	U5b2b4	U5b2b4	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b4	US	U		Haplogrep2																	
I7594	LL1, S-EVA 22871	38.7	-0.49	F	15.4		U5b2b4	U5b2b4	U5b2b4	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b1/u5b2/u5b2b/u5b2b4	US	U		Haplogrep2																	
Aed9	Aed9	47.5	7.6	F		1	U5b2b5	U5b2b5	U5b2b5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b5	US	U		Haplogrep2			U5b2b5	RechAL4, v4.3														
I10139	117#72-XXXII - 12nc	41.9	-6.93	F		1	U5b2b5	U5b2b5	U5b2b5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b5	US	U		PhylloTree																	
JK2746	JK2746, 34 (136)	39.9	9.24	F	255.5	0.91	U5b2b5	U5b2b5	U5b2b5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b5	US	U	..																		
SUn004		39.9	9.23	F		1	U5b2b5	U5b2b5	U5b2b5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b5	US	U																			
MA55		39.9	9.24			1	U5b2b5	U5b2b5	U5b2b5	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b5	US	U																			
FA0002		6950	40.1	8.6	F	25.2	0.1	U5b2b6	U5b2b6	U5b2b6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b6	US	U																	
DjehunyaMr		27.8	30.9			1	U5b2b6	U5b2b6	U5b2b6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b6	US	U																			
R1B2	R1B2	47.2	21.1	M		1	U5b2b6	U5b2b6	U5b2b6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b6	US	U																			
I18507	S114	21.1	30.7	F		1	U5b2b6	U5b2b6	U5b2b6	https://evolvehumans.com/mtdna/tree/u5/u5b/u5b2/u5b2b/u5b2b6	US	U													

Object-ID	Colloquial-Skeletal	Lat/Lon	Lat/Lon	Sex	mt-DNA-Count	mt-DNA-haplogroup	mt-DNA-Haplotype	mt-FT-mtree	mt-YF-FTDNA-mt-Haplotype	mt-SN-mt-5-MVS-1	HVS-II	HVS-NO	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAX-Y-Simple	YTree	Y-Haplotree - Y-Haplotree	Y-FT-Y-FullTree	Y-Yfu-SOGO2019	FTDNA-Y-Haplotree
N19	N19	52.6	19 f	..	1	V14	V14	tree V14	tree V14	V14	72, 263, 750, 1438, 2706, 4580, 4769, 7028, 8841,														
LD13mt	A2533 v2563, MN200	55.9	9.86	..	1	V15a	V15a	tree V15a	tree V15a	V15															
NNL88 SK37 T16		51.5	-0.07 M	..	1	V16	V16	tree V16	tree V16	V16															
LM23mt	11136, MN359893.1	51.5	-0.08 M	..	1	V16*	V16*	tree V16*	tree V16*	V16*				C16301	YFull										
BOU15		43.5	3.56	..	1	V17	V17	tree V17	tree V17	V17				Haplofind and Phy-Mer, Phylotree build17											
ER775	T-268	42	2.31 f	..	142	30 V17	V17	tree V17	tree V17	V17				Haplodna2											
LIA17		40.8	16.4 f	..	1	V18	V18	tree V18	tree V18	V18	V			KnipperPNA32018											
UNTA121_P651		48.3	10.9 M	..	1	V2	V2	tree V2	tree V2	V2															
AITI_Ebch6d		48.2	10.8 f	..	1	V2	V2	tree V2	tree V2	V2															
LT999		38.2	37.7 f	..	208	V2a	V2a	tree V2a	tree V2a	V25															
coffin 10		51.3	13.3 f	..	1	V23	V23	tree V23	tree V23	V23	72C 2630 315.1C 750G 1438G 2706G 4580A 4769G 6734A 7028T 8860G 15326G 15904T 16290T 16298C 16519C														
coffin 130		51.3	13.3 f	..	1	V23	V23	tree V23	tree V23	V23	72C 2630 315.1C 750G 1438G 2706G 4580A 4769G 6734A 7028T 8860G 15326G 15904T 16290T 16298C 16519C														
coffin 28		51.3	13.3 M	..	1	V24	V24	tree V24	tree V24	V23	72C 2630 315.1C 750G 1438G 2706G 4580A 4769G 6734A 7028T DV5576-1B; DYS389 7														
VK65	Denmark_Tollemoseg	55.9	12.1 f	..	148	1.3 V25	V25	tree V25	tree V25	V25	72C 2630 750G 14380 2706G 4580A 4769G 7028Haplogroup, KlosvdoesvanMuiaA2011														
ROV1_TB7B1		50.4	14.1 f	..	198	0.16 V3	V3	tree V3	tree V3	V3	Haplogroup2 based on phylotree#8 (mtDNA tree build 17 (accessed 18 February 2016)														
STR228	STR_228	48.9	12.6 f	..	1	V3	V3	tree V3	tree V3	V3			T2b21	Haplofind											
Karos2/67		48.3	21.7 f	..	1	V3	V3	tree V3	tree V3	V3															
GS5	KH150B50 PB	55.4	10.4 M	..	1	V3	V3	tree V3	tree V3	V3															
G33	KH150B51	55.4	10.4 M	..	1	V3	V3	tree V3	tree V3	V3															
TUC001	TUC001.AE002.TF1.1	50.1	14.3 f	..	1	V3c	V3c	tree V3c	tree V3c	V3c															
BL06	Ballinderry6	53.4	-7.68 f	..	8	V3c	V3c	tree V3c	tree V3c	V3c															
LI147mt	7258, MN359646.1	51.5	-0.07 M	..	1	V3a*	V3a*	tree V3a*	tree V3a*	V3a*															
LI17mt	9417, MN359666.1	51.5	-0.07 M	..	1	V3*	V3*	tree V3*	tree V3*	V3*															
PiEpver63		47.3	21.1	..	1	V6	V6*	tree V6*	tree V6*	V6	72C 2630 1	4796G	8860	72C 2630 75	YFull										
PiEpver84		47.3	21.1	..	1	V6	V6*	tree V6*	tree V6*	V6	72C 2630 1 147747			72C 2630 75	YFull										
Klaip52		44.4	40.4	..	1	V7	V7	tree V7	tree V7	V7	72C, 4050, 7252C, 10319A, 9750T, 15607T, A11720G, C11737T, G12851A, A14906G, A15302G, C15477T														
poar414		49.9	20.7	42	1	V7	V7	tree V7	tree V7	V7	72C, 4050, A2630, T310C, A750G, A1498G, A2706G, C3108A, G4580A, A4769G, C7028T, A8860G, A15326G, C15904T, T16298C														
DBRR_5		48.3	10.9	..	1	V17	V17	tree V17	tree V17	V17	3639G 15924G			Knipper2PNA32018											
DBRR_6		48.3	10.9 f	..	1	V17	V17	tree V17	tree V17	V17	3639G 15924G			Knipper2PNA32018											
DBRR_84		48.3	10.9 f	..	1	V17	V17	tree V17	tree V17	V17	3639G 15924G			Knipper2PNA32018											
SHper110		47.2	21.2	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930, 2159C 7262G			72C 930, 195	YFull										
IBEper161		48.1	21.7	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930, 2159C 13501C 16519A			72C 930, 195	YFull										
vik_RAL006	vik_RAL006	59.6	17.7 f	..	1	V74	V74	tree V74	tree V74	V74															
TUK72	Hodula15, MN504049	61	25.5	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930 195C 263G 310C 750G 8697 14380 2706 PhyloTree mtDNA Build 17, 18 (Feb 2016)														
TUK43	Tuukkala7,MN504017	61.7	26.6	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930 263G 310C 750G 1438G 2706G 3549T 4TPhyloTree mtDNA Build 17, 18 (Feb 2016)														
LI21mt	A2765 v3018, MN359	51.5	9.86	..	1	V74	V74*	tree V74*	tree V74*	V74				C5149T	YFull										
SHper2		47	21.6	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930 2574T? 2758A 3834 72C 930 263				YFull										
HMSZper41		46.5	19.1	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930 2129T? 2758A 3700 72C 930 263				YFull										
HMSZper241		46.5	19.1	..	1	V74	V74*	tree V74*	tree V74*	V74	72C 930 2129T? 72C 930 263				YFull										
BB07	HAL16	51.9	11.9 f	..	1	V9	V9	tree V9	tree V9	V9	A16129G T16187C T16223C G16230A T1			Knipper2PNA3218											
BES1154	Besean	43.4	3.43 f	..	1	V9	V9	tree V9	tree V9	V9				Knipper2PNA3218											
I10368	Motrov'e Bois-3	39.8	8.84 U	..	1	0.11 V+@16298	0.11 V+@16298	tree V+@16298T!	tree V+@16298T!	V+															
VindigaG1_Keral	Vindija 87	46.3	16.1 f	..	..																				
R6-597		42.9	25.4					H_sapiens-type																	
NE-NM 82.2		36.8	-3.8								16129C, 16331Y														
TAR10a	Individual 14	34.8	-2.41											HaploGrep2 v2.1.1; followed by manual curation against PhyloTree Build 17											
Tal4	Individual 4	34.8	-2.41											HaploGrep2 v2.1.1; followed by manual curation against PhyloTree Build 17											
Tal5	Individual 3	34.8	-2.41											HaploGrep2 v2.1.1; followed by manual curation against PhyloTree Build 17											
ISI87	NAT13	32.7	35.1 f	..	..																				
TAR10		34.8	-2.41								16182C, 16183C, 16189C														
ZP1		37.4	-4.19								CR5														
TAR10B	Individual 1	34.8	-2.41																						
Sjeme1	SJE_A	43.4	-4.72 M											Haplogrep											
BadDürrenberg2		51.3	12.1 f																						
Unseburg		51.9	11.5 f																						
Jeaerval		59.4	28.2																						
Q3ha2	Q3ha2	25.4	118 f		..																				
Jeaerval2		59.4	28.2																						
Spigino3		55.8	22.4 f																						
TelKurulu25.8		36.3	36.3 f								16094G, 16363G, 16187T														
TelKurulu25.8b		36.3	36.3 M								16104T, 16187T, 16216G, 16219G, 16312C														
Motala302		58.5	15																						
Motala311		58.5	15																						
Motala452		58.5	15																						
Motala318		58.5	15 M?																						
Motala313		58.5	15																						
KRD004	TK_25_B0	36.3	36.4 f	..	..						652N 653N 654N 655N 656N 657N 658N 659N 660N 661N 662N 663N 664N 665N 666N 667N 668N 669N 670N 671N 672N 673N 674N 675N 676N 677N 678N 679N 680N 681N 682N 683N 684N 685N 686N 687N 688N 689N 690N 691N 692N 693N 694N 695N 696N 697N 698N 699N 700N 701N 702N 703N 704N 749N 750N 751N 752N 753N 754N 755N 756N 757N 758N 759N 760N 761N 762N 763N 764N 765N 766N 767N 768N 769N 770N 771N 772N 773N 774N 775N 776N 777N 778N 779N 780N 8226											
MotalaAvA	MESOLithic	58.5	15 f	..	..																				
I0173	SD173	46.2	18.7																						
I0177	SD177	46	18.6																						
VINK4	12a	45.3	18.8 f																						
VINK6	15.	45.3	18.8 M																						
VUH012	2.	45.3	19 f																						
LGC5	1850	46	18.6 M																						
KRD006		36.3	36.4 f	..	..						908N 930N 936N 937N 938N 939N 941N 942N 943N 944N 945N 946N 947N 948N 949N 950N 951N 952N 953N 954N 955N 956N 957N 958N 959N 960N 961N 962N 963N 964N 1005N 1006N 1007N 1008N 1009N 1010N 1011N 1014N 1015N 1016N 1017N 1018N 1019N 1020N 1021N 1022N 1023N 1024N 1025N 1026N 1027N 1028N 1029N 1030N 1031N 1032N 1033N 1034N 1035N 1036N 1037N 1038N 1039N 1040N 1041N 1042N 1112N 1120N 1179N 1306N 1307N 1308N 1309											
BOP005	HK39.1476 BIz/2	51.3	11.4 f	..	..																				
Szarvas 23/22 (4/11)		46.9	20.6								A235G, C261T, C291T, A293G, T304C														
MS48		45.7	124 f			n/a																			
MS4C		45.7	124 U			n/a																			
SK893	SK6832	43.1	-73.9 f																						
SLPT505		48.2	4.08											Haplofind and Phy-Mer, Phylotree build17											
DEB 146		51.9	10.9																						
DEB 13		51.9	10.9																						
DEB 25		51.9	10.9 f																						
UWS 10		51.7	11.5																						
UWS 1		51.7	11.5																						
DEB 35I		51.9	10.9																						
Mont4		48.8	7.63											Haplofind and Phy-Mer, Phylotree build17											
SLPT201		48.2	4.08											Haplofind and Phy-Mer, Phylotree build17											
MDV272		49.4	4.01											Haplofind and Phy-Mer, Phylotree build17											
Vaslei2		58.2	26.5 f								16094G, 16363G, 16187T														
Telkurulu26.2		36.3	36.3 M								16104T, 16187T, 16216G, 16219G, 16312C														
Kaepa6		57.9	27.1																						
Joeeru1		59.4	28.2 M?																						
DEB 8		51.9	10.9																						
DRC2		48.7	4.73											Haplofind and Phy-Mer, Phylotree build17											
Bottendorf		51	8.81 M																						
SP386		45.1	12.2 f											Haplofind and Phy-Mer, Phylotree build17											
Vaslei3		58.2	26.5																						
RO5108		48.5	7.47											Haplofind and Phy-Mer, Phylotree build17											
I0169	SD169	51.7	11.5 f																						
Tamula7		57.8	27																						
kum4	kum4	40	26.2 f	..	..																				
CSAT14		47.5	18.6			n/a																			
CSAT8		47.5	18.6			n/a																			
Kretunaos3		55.3	26.1 M																						
I20r9 S		51.7	11.5																						
I20T 10		52	10.7																						
I20T 4		52	10.7																						
I0108	MOS311, Zaman Baba	39.6	63.7 U	1.99		n/a (n2n)																			
I20T 1		52	10.7																						
BUCH6		48.2	4.11											Haplofind and Phy-Mer, Phylotree build17											
BUCH8		48.2	4.11											Haplofind and Phy-Mer, Phylotree build17											
Tekiec 1		47.6	-3.17								CR5														
I1175	S1175.E1.L1	33	35.3 M																						
I0690	S0690.E1.L1	33	35.3 M																						
I1151	S1151.E1.L1	33	35.3 M																						
Tamula11		57.8	27 M																						
KEP96		46.7	17.2			n/a																			
KEP99		46.7	17.2			n/a																			
KEP97		46.7	17.2			n/a																			
Ci18		43.3	1.2											Haplofind and Phy-Mer, Phylotree build17											
Ci20		43.3	1.2											Haplofind and Phy-Mer, Phylotree build17											
I10292	PBLB	44.7	38.1 M	0.534																					
XW-M1863		34.6	111 f	0.19911		n/a																			
XW-M1845		34.6	111 F	0.19623		n/a																			
WQM3		46.9	120 f	0.10689		n/a																			
LC-70		43.3	-4.8																						
BERG61		43.2	2.41											Haplofind and Phy-Mer, Phylotree build17											
BERG34-2		43.2	2.41											Haplofind and Phy-Mer, Phylotree build17											
BERGD2-3		43.2	2.41											Haplofind and Phy-Mer, Phylotree build17											
Schw9		48.8	7.6											Haplofind and Phy-Mer, Phylotree build17											
SI118	-	53.1	-8.28 M?																						
Tamula23		57.8	27 M																						
Tamula9		57.8	27 M?																						
Tamula21		57.8	27 M																						
Tamula25		57.8	27																						
Tamula20		57.8	27 M																						
Tamula15		57.8	27																						
Tamula13		57.8	27																						
Tamula24		57.8	27																						
Tamula12		57.8	27																						
Valma3		58.2	25.6 M?																						
Valma1		58.2	25.6																						
Valma2		58.2	25.6 F																						
MR2		45.7	124 U			n/a																			
MR5		45.7	124 F			n/a																			
MR3		45.7	124 U			n/a																			
1076-4		48.7	7.57 F																						
CC709		49.4	3.77											Haplofind and Phy-Mer, Phylotree build17											
MS0		45.7	124 U			n/a																			
Saatorp5477		55.8	13																						
Kvarlos5164	Kvarlos5164	61.7	17 F	..	..								T2b	ReichLab_v44.3											
PNSR_PN3133	Grylle F28A; Bag 14 ar	53	-0.14 F																						
K1.10, 5th right metatarsal		47	30.3																						
HQU-1		51.5	12.1																						
Tamula19		57.8	27 M																						
Tamula10		57.8	27 F																						
GUR001	AT-828	43.2	101																						
Rein 26/2	Inv. 1115-16	42.4	-3.49 M?																						
Rein 7	Ind. 7	42.4	-3.49 F																						
Rein 11/2	Inv. 1173–74	42.4	-3.49 M?																						
Rein 12/2	Inv. 2937	42.4	-3.49 U																						
Rein 21	Inv. 1295–98	42.4	-3.49 U																						
Rein 11	Ind. 11	42.4	-3.49 M?																						
HQU-1		51.5	12.1																						
HQU-2		51.5	12.1																						
kum6	kum6	40	26.2 F	..	..																				
I0558	S0558_at	51.8	11.1																						
MR2		45.7	124 F			n/a																			
HQU-3		51.5	12.1																						
Saatorp314_I5127_S816		55.8	13																						
Saatorp5478		55.8	13											Phy-Mer, BraceNatEstEvol2019											
CZ1511-1		49.4	3.77											Haplofind and Phy-Mer, Phylotree build17											
BAL329	-	54.3	-5.64																						
BAL321	-	54.3	-5.64																						
MB6	-	45.7	124 M			n/a																			
DudBo1		51.9	21.7																						
GNM1217	-	54	-9.63 M?																						
Tamula18		57.8	27 F																						
I4290	LU-52-001, Saram 85	39.5	67.5 F	..	..																				
NM61	-	52.6	-6.42 M?																						
PN19	-	53	-9.14 M?																						
PN20	-	53	-9.14 F?																						
NG22	-	53.7	-6.48 M?																						
GNM1141	-	54	-9.63 U																						
GNM1187	-	54	-9.63 M?																						
CAK16	-	54.1	-6.38																						
CAK375	-	54.1	-6.38																						
MP18	-	54.2	-5.89 M?																						
BAL14	-	54.3	-5.64																						
MB4	-	54.4	-5.49 M?																						
AT1	-	54.4	-5.6																						
AT7	-	54.4	-5.6																						
CBT085	Grave 3, BD-1086	40	94.6 F	..	..																				
PS3378		48.5	3.6											Haplofind and Phy-Mer, Phylotree build17											
PS52		48.5	3.6											Haplofind and Phy-Mer, Phylotree build17											
MT3		45.7	124 M			n/a																			
I0100	SK 652	41.6	35.9 F	..	..						152N 153N 154N 155N 156N 157N 158N 159N 160N 161N 162N 163N 164N 165N 166N 167N 168N 169N 170N 171N 172N 173N 174N 175N 176N 177N 178N 179N 180N 181N 182N 183N 184N 185N 186N 187N 188N 189N 190N 191N 192N 193N 194N 195N 196N 197N 198N 199N 200N 201N 202N 203N 204N 205N 206N 207N 208N 209N 210N 211N 212N 213N 214N 215N 216N 217N 218N 219N 220N 221N 222N 223N 224N 225N 226N 227N 228N 229N 230N 231N 232N 233N 234N 235N 236N 237N											
Saatorp5094		55.8	13 F																						
Saatorp5092		55.8	13 F																						
MK5005.CD101	BZNK-079/1	43.9	-61.5 F								Unspecified														
MB103		54.4	-5.49 M?																						
MB8889		54.4	-5.49 M?																						
BA346	-	54.5	-5.95																						
BLSM47		41.4	120 M	0.37238		n/a																			
BLSM49		41.4	120 F	0.02656		n/a																			
I0357	SK 593	41.6	35.9 F	..	..						110N 111N 112N 113N 114N 115N 116N 117N 118N 130N 131N 132N 133N 134N 135N 136N 137N 138N 139N 140N 141N 142N 143N 144N 145N 146N 147N 148N 149N 150N 151N 182N 183N 184N 185N 186N 187N 188N 189N 190N 191N 192N 193N 194N 195N 196N 197N 198N 199N 200N 201N 202N 203N 204N 205N 206N 207N 208N 209N 210N 211N 212N 213N 214N 215N 216N 217N 218N 219N 220N 221N 222N 223N 224N 225N 226N 227N 228N 229N 230N 231N 232N 233N 234N 235N 236N											
WGM20	-	34.8	113 F	4.81073																					
WGM43	-	34.8	113 M	1.61621																					
WGM36-1	-	34.8	113 F	3.70918																					
BLSM11		41.4	120 F	0.06001																					
BLSM42		41.4	120 F																						
BLSM29		41.4	120 F	0.36834																					
BLSM19		41.4	120 M	0.0169																					
BLSM43		41.4	120 F	0.00739																					
BLSM30		41.4	120 F	0.38325																					
BLSM08		41.4	120 M	0.52671																					
BLSM22		41.4	120 M	0.00712																					
BLSM18		41.4	120 M	0.00539																					
BLSM10		41.4	120 M	0.02251																					

Y-Sym-Y-Symbol	Responsible-SN	SNPs	Autosomes Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	StatID	Country
130042		2.09671 ..	PASS (Dare	n/a		FernandezSoPre2018	Direct: 95.4%; IntCal20, Ox	3836-3379 calBCE (4	-3540	-3636	-3379		CEU_MN	Funnel Beaker Poland	Poland_TRB_o.SG	Pikutkowo		Poland
						KlunkAmPhyAnthropol2019		1700 AD	1700	1675	1725		Denmark_MA	Denmark Late Mesolevel		Klosterkirken	HOM 1272	Denmark
						Eaton2015		180-400 AD	290	180	400	+45	IronBritain_Roman	Roman		65-73 Marwell Street, London		Great Britain
						KlunkAmPhyAnthropol2019		1470 AD	1470	1445	1495		England_MA	England Post-BD Medieval		St. Mary Bredin	SRP98, Phase 17	England
						BrunoPMAJ2020		3337-3024 calBC	-3180.5	-3337	-3024		France_LN	Neolithique final 2 (Ferrières)		Corcome		Aven de la Boucle/France
		3.25993 0.357	0.071	PASS	n/a	OlalaBoSoma2019	Context: Archaeological pa	690-700 CE	650	600	700		Iberia_EMA	North East Iberia Early Medieval	Spain_Visigoth_Barcelona	L'Esquerda, Roda de Ter, Barcelona, Catalonia		Spain
						Emary2017		7th - 8th c. BCE	500	-700	-300	30.7 ± 8.3	Italy_IA	Iapygian / Pre-Roman	South_Italy_IA	Botromagno		Scavi Lattarini F1,Italy
						MittMcScience2019		2004-2711 calBC	-2807.5	-2904	-2711		Corded Ware	Corded Ware Late Neolithic	Late_CWC	Neumatten – Unterer Talweg	UNTA121	Germany
						MittMcScience2019		1690-1514 calBC	-1602	-1690	-1514	ca. 2 year	CEU_EBA	EBA Lech Valley	Lech_EBA	Kleinaitingen – Gewerbegebiet	AITI	Germany
		168996 0.16	0.09			KumarBioEvol2021		2100-1500 BP	150	-150	450		Turan_LA	Late Iron Age Khashan period		Bakal (Site)	Bakal (Site)	Kazakhstan
						Felgenhauer Family (2 ar		1655-1676	1666	1655	1676	18-25y	Germany_modern	Germany_modern		Burial crypts, cluster church of Maria Magdalene	Germany	
						AlterauerForensicSchirnEsmer2020		unknown	1925	1876	1974	25-40y	Germany_modern	Germany_modern		Burial crypts, cluster church of unknown	Germany	
						AlterauerForensicSchirnEsmer2020		unknown	1803	1741	1865	5-7y	Germany_modern	Germany_modern		Burial crypts, cluster church of unknown	Germany	
		367820 0.51	..	PASS (Dare		Margarjan#Nature2020		300-1000 CE	-350	-350	1000		Early_Viking	Early_Viking	Den

| Object-ID | Colloquial-Skeletal | Lat | Lon | Long | Sex | mt-DNA-c.ctrl | FAIL | mtDNA-haplogroup | mtDNA-Haplotree | mt-FT.mtree | mt-YF-FTDNA-mt-Haplotree | mt-Sin | mt-5.HVS-1 | HVS-II | HVS-NO | mt-SNPs | Responsible | Y-DNA | Y-New | SNP-positive | SNP-negative | SNP-dubious | NRY | Y-FAIL | Y-Simple | YTree | Y-Haplotree - Y-Haplotree | Y-FT.Y-FT | Y-Yfu-ISOGG2019 | FTDNA.Y-Haplotree | Y-Sym | Y-Symbol | Responsible-SN | SNPs | Autosomi | Damage-R | Assessme | Kinship-Notes | Source | Method-Date | Date | Mean | CalBC_top | CalBC_bot | Age | Simplified_Culture | Culture_Grouping | Label | Location | SiteID | Country |
|---|---|---

Object-ID	Colloquial-Skeletal	Lat(ka)	Long(ka)	Sex	mtDNA-c.crmFAM	mtDNA-haplogroup	mtDNA-Haplotype	mt-FT.mtree	mt-YF-FTDNA-mt-Haplotree	mt-Sin mt-5	HVS-I	HVS-II/O	mt-SNPs	Responsible-Y-DNA	Y-New	SNP-positive	SNP-negative	SNP-dubious	NRY	Y-FAM	Y-Simple	YTree	Y-Haplotree-Y-Haplotree	Y-FT YFull	Y-Yfu SGDG2019	FTDNA-Y-Haplotree
BIR012	Birlik mound 25	51.1	75.7	F	22.6058																					
CHI003	Chiipek 4818B	42.5	78.4	F	30.5758																					
H90		46.6	10.9											..												
	7	43.3	77.1																							
CSP002	Caspian 6 mound 1	44.5	78.3	F	24.024																					
S30	Tagar 10	54.3	90.9	U																						
S31	Tagar 11	54.3	90.9	U																						
SK19		37.9	41.1	F																						
SK30		37.9	41.1	U																						
M627	M627	43.6	93.2	U	..			.																		
MBB		45.7	124	F				n/a																		
SK29		37.9	41.1	F																						
CHN002	AT-127	50	92.1																							
CHN005	AT-100*	50	92.1																							
CHN009	AT-139	50	92.1																							
CHN011	AT-137	50	92.1																							
HG99	Grave 56, single buria	34.8	72.4	F	19.3			.																		
	79	50.2	51.2																							
	68	50.2	51.2																							
PR_4		52.1	53.9	M										Haplofind												
CL223		-36	-66					n/a																		
UN131		49.7	-1.74																							
UN51		49.7	-1.74																							
UN201		49.7	-1.74																							
UN117		49.7	-1.74																							
UN70-A		49.7	-1.74																							
UN200		49.7	-1.74																							
UN88		49.7	-1.74																							
UN123		49.7	-1.74																							
I13982	G6.01, Ind. 16	-3.48	35.3	F	0.706			n/a (+2n)																		
NIT9923		33.6	114	M	7.41014																					
MOU003	DA-MOL-0317-0204-	-0.34	36.1	F	0.14			n/a (+2n)																		
GLN27-A		47.9	3.61											?_16270												
GLN125-B		47.9	3.61																							
GLN128 Dec		47.9	3.61																							
GLN14		47.9	3.61	F	?																					
GLN29-B		47.9	3.61																							
	79	49.6	103	F																						
37A		49.6	103	F																						
18A		49.6	103	M																						
	81	49.6	103	M																						
25A		49.6	103	M																						
	29	49.6	103	M																						
	26	49.6	103	M																						
84bis		49.6	103	M																						
29bis		49.6	103	M																						
	75	49.6	103	U																						
32A		49.6	103	M																						
	33	49.6	103	M																						
DCZ-M161I		36.5	102	M	3.94508			n/a																		
TAV009	AT-657	45.4	113																							
KHO008	AT-445	47.1	91.8																							
KHO005	AT-446	47.1	91.8																							
IKT001	AT-930	48.2	105																							
UGU009	AT-689	49.2	105																							
I13763	G5.01, Ind. 8	-3.48	35.3	F	0.5054			n/a (+2n)																		
PCA0016	16E, ob. 195	52.6	16.8	U																						
SC9		31.8	35.2	M							16346C, 16363G			RivoliteSciAdv2020												
SC1		31.8	35.2	M							16231C, 16362T															
SJ6A		40.8	14.5	F							16391-G> A															
4A		40.8	14.5	M							rCRS															
3E		40.8	14.5	M							*16291-C> T *16390-G> A															
PCA0019	172, ob. 623	52.6	16.8	F																						
PCA0033	ob. 192	52.6	16.8	F																						
PCA0022	16B, ob. 630	52.6	16.8	F																						
PCA0042	ob. 554	52.6	16.8	F?																						
PCA0048	04Bis/ob. 446	52.6	16.8	U																						
PCA0055	ob. 448	52.6	16.8	U																						
PCA0020	16B, ob. 559	52.6	16.8	U																						
PCA0021	171, ob. 513	52.6	16.8	U																						
PCA0017	171, ob 595	52.6	16.8	M																						
PCA0025	175/ob. 627	52.6	16.8	F																						
PCA0041	ob. 321	52.6	16.8	U																						
PCA0024	167, ob. 455	52.6	16.8	F																						
PCA0014	164, ob. 621	52.6	16.8	F																						
PCA0064	ob. 471	52.6	16.8	F																						
PCA0058	ob. 320	52.6	16.8	F?																						
PCA0039	ob. 331	52.6	16.8	F?																						
U8b	87/74-2	59.5	28.8	F				.						..												
PCA0023	170, ob. 183	52.6	16.8	U																						
PS-30		18131	34.9	-121	M			n/a			nd	nd		n/a												
PS-22		17867	34.9	-121	F			n/a			nd	nd														
PS-19		17864	34.9	-121	F?			n/a			nd	nd		n/a (low coverage - feminine?)												
PS-12		17812	34.9	-121	F			n/a			nd	nd														
LR8_1			49.8	16.9																						
S244	SZO037-AD101	46.3	17.9	U	..			n/a						Haplofind												
S255	SZO030-AD101	46.3	17.9	F	0.01			n/a (+2n)						Haplofind												
S251	SZO028-AD101	46.3	17.9	F	0.18			n/a (+2n)						Haplofind												
Niederstotzingen1	NEcap11, 1576	48.5	10.2	U																						
Niederstotzingen8	NEcap8, 1334	48.5	10.2	U																						
Niederstotzingen7	NEcap7	48.5	10.2	U																						
T-239		18.1	66.6	F				n/a (quality: 57)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
S281	S241	46.3	17.9	F	0.94			n/a (+2n)						Haplofind												
T-22		18.1	66.6	F				n/a (quality: 50)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
I13696	M173-C	24.3	122	M				n/a (+2n)						n/a (+S0000SNPs)												
T-208		18.1	66.6	F				n/a (quality: 54.32)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
OUN006	AT-906	47.1	102																							
T-230		18.1	66.6	U				n/a (quality: 50)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
T-11		18.1	66.6	U				15b16b (quality: 66)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
I8934	R45	30.2	79.7	F	158									..												
PDH13		48.7	16.9																							
PDH3		48.7	16.9																							
PDH40		48.7	16.9																							
Cap-M5	Suspicion of contamin	44.5	28.1					J1c/PZ4a			16069T 161 73G 185A 2 na															
	5860	68.1	113.7	F																						
SC-02	SDM4, 2085	32.9	-119	F	0.11			n/a (+2n)			nd	nd														
W5		52.6	1.3								16172C, 16187T, 16189C, 16217C, 16223T															
W14		52.6	1.3								16183C, 16189, 16239															
PI-413		18.4	-66.4	U				15b16b (quality: 98.64)						HaploGrep 2.0 with Phylotree mtDNA tree Build 17												
Herakleion1		35.3	25.1																							
I2720	H/36?0	36.1	-108	M																						
Musée ethno		62.1	131											?	haplotype: unique an unique ancient											

Y-SymY-Symbol	Responsible-SN	SNPs	Autosms Damage-R	Assessme	Kinship-Notes	Source	Method-Date	Date	Mean	CalBC_top	CalBC_bot	Age	Simplified_Culture	Culture_Grouping	Label	Location	SiteID	Country
		394288	0.30182	0.22732		GnecchiRuscone:SciAdv2021	7th-6th c. BCE; Taymi-Dolm	790-546 calBC	-668	-790	-546		Taymola	Birlik_0408CE	Taymola_Birlik_0408CE	Birlik mound 25		Kazakhstan
		394361	0.3742	0.23422		GnecchiRuscone:SciAdv2021	4th-3rd c. BCE; Saka period	750-415 calBC	-583	-750	-415		Saka	Chilpek_3008CE	Saka_TianShan_0008CE	Chilpek 4818B		Kyrgyzstan
			0.5	0.5		BrothertonNatCommun2013		500 BC	-500	-700	-300		Italy_IA	Pre-Roman Italy		Latsch, South Tyrol		Italy
			0.4	0.4		LalueyaPnasPrcSciLondB2004		7th to 3rd c. BC	-450	-700	-200		Avia_CC_IA	Central Central Asia Iron Age		Birlik	Kurgan 15	Kazakhstan
		53979	0.753	0.25491		GnecchiRuscone:SciAdv2021	6th-3rd c.BCE; Saka period	8th-3rd c.BCE; Saka	-400	-600	-200		Saka	Caspian_7008CE		Caspian 6 mound 1		Kazakhstan
						KeyserYuanGenet2009		8th c. BCE-1st c. CE	-350	-800	100		Siberia_West_IA	Tagar/Tes		Khakassia		Bogratsky region Russia
						KeyserYuanGenet2009		8th c. BCE-1st c. CE	-350	-800	100		Siberia_West_IA	Tagar/Tes		Khakassia		Bogratsky region Russia
						YakahmPhysAnthropol2018		-	-350	-500	-300	Adult	18 Persian	Late Achaemenid Period		Batman		Turkey
						YakahmPhysAnthropol2018		-	-350	-500	-300	Adult	19 Persian	Late Achaemenid Period		Batman		Turkey
						YakahmPhysAnthropol2018		-	-350	-500	-300	Immature	Persian	Late Achaemenid Period		Batman		Turkey
		118022	0.10541	..	PASS (Haro	China, Shirenzigou Family	Ning:CarrBio2019	Context: Archaeological co	550-150 BCE	-350	-550	-150	China_West_IA	Post-Yanbulake Shirenzigou	China_Xinjian_IA.SG	Shirenzigou		China
						NingBioRev2020		*2300 BP	-340	-390	-290		Avia_East_EIA	Houtaomuga_EIA		Houtaomuga_Jilin	Type: Vertical ave	China
						YakahmPhysAnthropol2018		390-205 BCE	-297.5	-390	-205	Adult	15 Persian	Late Achaemenid Period		Batman		Turkey
						JeongCell2020			-290	-381	-195		Uyuk	Chandman		Mongolia_Uyuk		Chandman Mountain, Uvs Log chamber, mu Mongolia