

<b>Yamnaya, Afanasievo, EBA</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325353	RISE240	Sukhaya Termist	Yamnaya	Russia	Female	2880 BC	2632 BC		
SAMEA3325410	RISE546	Temrta IV	Yamnaya	Russia	Male	nd	nd	R1b1a2	R1b
SAMEA3325411	RISE547	Temrta IV	Yamnaya	Russia	Male	2887 BC	2634 BC	R1b1a2a2(Paral	R1b
SAMEA3325412	RISE548	Temrta IV	Yamnaya	Russia	Male	nd	nd	R1b1a2a2	R1b
SAMEA3325413	RISE550	Peshany V	Yamnaya	Russia	Male	3334 BC	2635 BC	R1b1a2a2	R1b
SAMEA3325414	RISE552	Ulan IV	Yamnaya	Russia	Male	2849 BC	2143 BC	I2a2a1b1b2	I2a
SAMEA3325417	RISE555	Stalingrad Quarr	EBA	Russia	Male	2857 BC	2497 BC	R1b1a2a2	R1b
SAMEA3325399	RISE507*	River Kuyum	Afanasievo	Russia	Female	3322 BC	2923 BC		
SAMEA3325400	RISE508*	River Kuyum	Afanasievo	Russia	Female	3331 BC	2935 BC		
SAMEA3325401	RISE509	Bateni	Afanasievo	Russia	Female	2887 BC	2677 BC		
SAMEA3325402	RISE510	Bateni	Afanasievo	Russia	Female	2851 BC	2468 BC		
SAMEA3325403	RISE511	Bateni	Afanasievo	Russia	Female	2909 BC	2679 BC		
<b>Andronovo, Sintashta</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325361	RISE386	Bulanovo	Sintashta	Russia	Male	2298 BC	2045 BC	R1a1a1b2a2-Z2'	R1a
SAMEA3325362	RISE391	Tanabergen II	Sintashta	Kazakhstan	Female	2120 BC	1887 BC		
SAMEA3325363	RISE392	Stepnoe VII	Sintashta	Russia	Male	2126 BC	1896 BC	R1a1a1b-S224	R1a
SAMEA3325364	RISE394	Bulanovo	Sintashta	Russia	Female	1949 BC	1754 BC		
SAMEA3325365	RISE395	Bol'shekaragansl	Sintashta	Russia	Female	1960 BC	1756 BC		
SAMEA3325394	RISE500	Kytmanovo	Andronovo	Russia	Female	nd	nd		
SAMEA3325396	RISE503	Kytmanovo	Andronovo	Russia	Female	1727 BC	1511 BC		
SAMEA3325398	RISE505	Kytmanovo	Andronovo	Russia	Female	1746 BC	1626 BC		
SAMEA3325404	RISE512	Kytmanovo	Andronovo	Russia	Male	1446 BC	1298 BC	R1a1a1b-S224	R1a
<b>Karasuk</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325388	RISE493	Sabinka 2	Karasuk	Russia	Male	1531 BC	1427 BC	Q1a1b1-L712	Q1a
SAMEA3325389	RISE494	Sabinka 2	Karasuk	Russia	Male	1416 BC	1268 BC	R1a1a1	R1a
SAMEA3325390	RISE495	Arban 1	Karasuk	Russia	Male	nd	nd	R1a1a1b2a2(Par	R1a
SAMEA3325391	RISE496	Arban 1	Karasuk	Russia	Female	1414 BC	1261 BC		
SAMEA3325392	RISE497	Arban 1	Karasuk	Russia	Male	nd	nd	-	??
SAMEA3325393	RISE499	Bystrovka	Karasuk	Russia	Female	nd	nd		
SAMEA3325395	RISE502	Bystrovka	Karasuk	Russia	Female	1496 BC	1306 BC		

<b>Other Bronze</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	<a href="#">Y DNA</a>	<a href="#">Allentof's Y DNA analysis</a>
SAMEA3325407	RISE523	Kapova cave	Meshovskaya	Russia	Female	1598 BC	1398 BC		
SAMEA3325408	RISE524	Kapova cave	Meshovskaya	Russia	Male	nd	nd	R1b1a2	R1b
SAMEA3325409	RISE525	Kapova cave	Meshovskaya	Russia	Male	nd	nd	R1a1a1(xZ283)	R1a
SAMEA3325405	RISE515	Verkhni Askiz Vill	Okuneva	Russia	Female	2340 BC	2145 BC		
SAMEA3325406	RISE516	Verkhni Askiz Vill	Okuneva	Russia	Female	2201 BC	2036 BC		
<b>Late Bronze and Iron age</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	<a href="#">Y DNA</a>	<a href="#">Allentof's Y DNA analysis</a>
SAMEA3325415	RISE553	Afontova Gora	LBA	Russia	Male	926 BC	715 BC	R1a1a1	R1a
SAMEA3325416	RISE554	Afontova Gora	LBA	Russia	Male	1005 BC	844 BC	IJK(Low Coverag ??	
SAMEA3325432	RISE600	Verh-Uimon	Iron age	Russia	Male	nd	nd	Q1a1b-M25	Q1a
SAMEA3325433	RISE601	Verh-Uimon	Iron age	Russia	Male	nd	nd	Q1a1b	Q1a
SAMEA3325434	RISE602	Sary-Bel	Iron age	Russia	Male	nd	nd	J2a2	J2a
SAMEA3325387	RISE492	Sabinka 2	Iron age	Russia	Male	396 BC	209 BC	R1a1a1(xZ283)	R1a
SAMEA3325397	RISE504	Kytmanovo	Iron age	Russia	Male	721 AD	889 AD	J2a2	J2

Armenia									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	<a href="#">Y DNA</a>	<a href="#">Allentof's Y DNA analysis</a>
SAMEA3325366	RISE396	Kapan	LBA	Armenia	Female	1192 BC	937 BC		
SAMEA3325367	RISE397	Kapan	LBA	Armenia	Male	1048 BC	855 BC	R1b1a2a2	R1b
SAMEA3325368	RISE407	Norabak	LBA	Armenia	Female	1115 BC	895 BC		
SAMEA3325369	RISE408	Norabak	LBA	Armenia	Male	1209 BC	1009 BC	J2b2f	J2b
SAMEA3325370	RISE412	Noratus	LBA	Armenia	Female	1193 BC	945 BC		
SAMEA3325371	RISE413	Nerquin Getashe	MBA	Armenia	Male	1906 BC	1698 BC	R1b1a2	R1b
SAMEA3325372	RISE416	Nerquin Getashe	MBA	Armenia	Male	1643 BC	1445 BC	E1b1b1	??
SAMEA3325373	RISE423	Nerquin Getashe	MBA	Armenia	Male	1402 BC	1211 BC	E1b1b1b2a1-Z11	E1b

<b>Corded Ware</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325375	RISE434	Tiefbrunn	Corded Ware	Germany	Male	2880 BC	2630 BC	R1a1a1	R1a
SAMEA3325376	RISE435	Tiefbrunn	Corded Ware	Germany	Female	2863 BC	2498 BC		
SAMEA3325377	RISE436	Tiefbrunn	Corded Ware	Germany	Male	2868 BC	2580 BC	R1a1a1	R1
SAMEA3325378	RISE446	Berggrheinfeld	Corded Ware	Germany	Male	2829 BC	2465 BC	R1a1a1(xR1a1a1)	R1a
SAMEA3325334	RISE1	Oblaczkowo	Corded Ware	Poland	Male	2865 BC	2578 BC	R(Low Coverage	R1b
SAMEA3325374	RISE431	Leki Male	Corded Ware/pro	Poland	Male	2286 BC	2048 BC	R1a1a1	R1a
SAMEA3325340	RISE94	Viby	Battle Axe	Sweden	Male	2621 BC	2472 BC	R1a1a1	R1a
SAMEA3325342	RISE98	L Beddinge 56	Battle Axe/Nordic	Sweden	Male	2275 BC	2032 BC	R1b1a2a1a1-U11	R1b
SAMEA3325333	RISE00	Sope	Corded Ware	Estonia	Female	nd	nd		
<b>Bell Beaker</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325418	RISE559	Augsburg	Bell Beaker	Germany	Female	nd	nd		
SAMEA3325419	RISE560	Augsburg	Bell Beaker	Germany	Male	nd	nd	R1b1a2a1a2(Par	R1b
SAMEA3325420	RISE562	Landau an der Is	Bell Beaker	Germany	Female	nd	nd		
SAMEA3325421	RISE563	Osterhofen-Alten	Bell Beaker	Germany	Male	nd	nd	R1b1a2a1a2b-U	R1b
SAMEA3325422	RISE564	Osterhofen-Alten	Bell Beaker	Germany	Male	nd	nd	R1b1a2a1-L51	R1b
SAMEA3325423	RISE566	Knezeves	Bell Beaker	Czech Republic	Male	nd	nd	R1b1a2a1a-P31f	R1b
SAMEA3325424	RISE567	Knezeves	Bell Beaker	Czech Republic	Female	nd	nd		
SAMEA3325425	RISE568	Brandysek	Bell Beaker	Czech Republic	Female	nd	nd		
SAMEA3325426	RISE569	Brandysek	Bell Beaker	Czech Republic	Female	nd	nd		Check Pending
<b>Nordic LN</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325336	RISE42	Marbjerg	Nordic LN	Denmark	Male	2191 BC	1972 BC	R1a1a1	??
SAMEA3325338	RISE61	Kyndel	Nordic LN	Denmark	Male	2851 BC	2492 BC	R1a1a1	R1a
	RISE71	Falshoj	Nordic LN	Denmark	Female	2196 BC	2023 BC		
SAMEA3325341	RISE97	Fredriksberg	Nordic LN	Sweden	Female	2025 BC	1885 BC		
SAMEA3325350	RISE179	Abekås I	Nordic LN	Sweden	Male	2010 BC	1776 BC	I1	??
<b>Italy Remedello</b>									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325386	RISE489	Remedello di Sol	Remedello	Italy	Male	2908 BC	2578 BC	I2a1a1a-L672	I2a
SAMEA3325385	RISE487	Remedello di Sol	Remedello	Italy	Male	3483 BC	3107 BC	I2a1a	I2
SAMEA3325384	RISE486	Remedello di Sol	Remedello	Italy	Male	2134 BC	1773 BC	I2a1a1a-L672	I2

Nordic BA/LBA									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	
SAMEA3325335	RISE21	Karlstруп	Nordic BA	Denmark	Male	1426 BC	1281 BC	??(Low coverage ??	
SAMEA3325337	RISE47	Sebber skole	Nordic BA	Denmark	Male	1499 BC	1324 BC	R1b1a2(xP312)	R1b
SAMEA3325349	RISE175	Abeköns I	Nordic BA	Sweden	Male	1395 BC	1132 BC	I1a	I1a
SAMEA3325351	RISE207	Öngamöllan	Nordic BA	Sweden	Male	1493 BC	1302 BC	I1	I1
SAMEA3325352	RISE210	Öngamöllan	Nordic BA	Sweden	Female	1432 BC	1292 BC		
SAMEA3325356	RISE276	Trundholm mose	Nordic LBA	Denmark	Male	794 BC	547 BC	R1b1a2a	R1b
Unetice									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	
SAMEA3325343	RISE109	Wojkowice	Unetice	Poland	Female	1954 BC	1772 BC		
SAMEA3325344	RISE139	Chociwel	Unetice	Poland	Male	2135 BC	1923 BC	??(Low coverage ??	
SAMEA3325345	RISE145	Polwica	Unetice	Poland	Female	2188 BC	1958 BC		
SAMEA3325346	RISE150	Przeclawice	Unetice	Poland	Female	1885 BC	1693 BC		Check Downloaded
SAMEA3325347	RISE154	Szczepankowice	Unetice	Poland	Female	1925 BC	1765 BC		
SAMEA3325428	RISE586	Moravska Nova	Unetice	Czech Republic	Female	nd	nd		
SAMEA3325427	RISE577	Velke Prilepy	Unetice	Czech Republic	Female	nd	nd		Check Downloaded
Vatya									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325354	RISE247	Szöhalombatta	Vatya	Hungary	Male	1746 BC	1611 BC	I2a2a-L368(Para I2a	
SAMEA3325355	RISE254	Szöhalombatta	Vatya	Hungary	Male	2128 BC	1909 BC	I2a2a-L59(Parall I2	
SAMEA3325380	RISE479	Erd 4	Vatya	Hungary	Male	nd	nd	I2a2a1a2a2	I2 Check Downloaded
SAMEA3325382	RISE480	Erd 4	Vatya	Hungary	Female	nd	nd		
SAMEA3325381	RISE483	Erd 4	Vatya	Hungary	Female	nd	nd		
SAMEA3325383	RISE484	Erd 4	Vatya	Hungary	Female	nd	nd		
Maros									
Sample Name	Sample Name	Site	Culture	Location	Sex	14C Date BP	cal BC low	Y DNA	Allentof's Y DNA analysis
SAMEA3325358	RISE371	Szöreg - C (Sziv Maros		Hungary	Female	2136 BC	1941 BC		
SAMEA3325359	RISE373	Szöreg - C (Sziv Maros		Hungary	Female	1886 BC	1696 BC		
SAMEA3325360	RISE374	Szöreg - C (Sziv Maros		Hungary	Male	1866 BC	1619 BC	G2a2a1a-PF630	G2a



<b>Yamnaya</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
baYam	5	80(5)	0	0	0	20(1)	0	0	0	0	0	0	0	0
baStq	1	100(1)	0	0	0	0	0	0	0	0	0	0	0	0
<b>Andronovo, Sintashta, Karasuk, Meshovskaya, Afontova Gora</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
baSin	2	0	100(12)	0	0	0	0	0	0	0	0	0	0	0
baAndrov	1	0	100(1)	0	0	0	0	0	0	0	0	0	0	0
baKarasuk	4	0	75(3)	0	0	0	0	0	0	0	0	0	0	25(1)
baMezh	2	50(1)	50(1)	0	0	0	0	0	0	0	0	0	0	0
baAtGO	2	0	100(1 or 2)	0	0	0	0	0	0	0	0	0	0	0
<b>Iron age Russia</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
irRus	1	0	0	0	0	0	0	0	100(1)	0	0	0	0	0
irAtali	3	0	0	0	0	0	0	0	0	33.3(1)	0	0	0	67.7(2)
<b>Central-North</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
baCW	6	16.7(1)	66.7(4)	16.7(1)	0	0	0	0	0	0	0	0	0	0
baBb	4	100(1 to 4)	0	0	0	0	0	0	0	0	0	0	0	0
baSca	6	50(3)	16.7(1)	0	0	0	16.7(1)	16.7(1)	0	0	0	0	0	0
<b>Hungary, Italy</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
baRom	3	0	0	0	66.7(2)	33.3(1)	0	0	0	0	0	0	0	0
baHu	4	0	0	0	50(2)	25(1)	0	0	0	0	0	0	25(1)	0
<b>Armenia</b>														
	<b>N</b>	<b>R1b</b>	<b>R1a</b>	<b>R1</b>	<b>I2</b>	<b>I2a</b>	<b>I1</b>	<b>I1a</b>	<b>J2</b>	<b>J2a</b>	<b>J2b</b>	<b>E1b</b>	<b>G2a</b>	<b>Q1a</b>
baArm	3	66.7(2)	0	0	0	0	0	0	0	0	0	33.3(1)	0	0
irArm	1	0	0	0	0	0	0	0	0	0	100(1)	0	0	0