SNP Ages from Discover Tool

SNP	Date	Range start	Range end	No. of Tests	Tests with Origin	Lineages Below	Comment
Haplogroup R							
Early Haplogroup R							
R-M207	26000 BC	29784 BC	22127 BC	103,536	57,154	2	Haplogroup R-M207 represents the origin of the R haplogroup. It probably originated in Central Asia. Over 48% of the 57,154 FTDNA participants who declared their paternal origins declared one of the countries of the British Isles, including Ireland.
R-M173	20000 BC	22462 BC	16835 BC	102,591	56,562	2	Haplogroup R-M173 represents the origin of the R1 haplogroup. It probably also originated in Central Asia.
R-M343	17000 BC	19416BC	14459 BC	86,164	46,803	2	Haplogroup R-M343 represents the origin of the R1b haplogroup. It originated in Eurasia. According to eupedia.com R1b is the most common haplogroup in Western Europe, reaching over 80% of the population in Ireland, the Scottish Highlands, western Wales, the Atlantic fringe of France, the Basque country and Catalonia. Over 48% of the FTDNA participants who declared their paternal origins declared one of the countries of the British Isles, including Ireland. Two branches have been omitted below M343.
R-P297	12000 BC	14326 BC	10541 BC	83,441	45,202	2	Declared paternal origins: Ireland (inc.NI) (20%), England (16%), Scotland (11%), Wales (1.7%), UK (5%), and Germany (6%). The rest are from 130+ other countries.
R-M269	4400 BC	5257 BC	3562 BC	83,308	45,106	2	This is the most recent haplogroup that is predicted from STR tests. Two branches have been omitted below R-M269.
R-P310	3300 BC	4042 BC	2627 BC	72,982	39,165	4	This haplogroup includes 70% of all the haplogroup R testers.
R-L151	3000 BC	3676 BC	2345 BC	72,945	39,150	5	According to Wikepedia this haplogroup is related to the period of Corded Ware or Beaker culture, in the Central part of Europe (possibly the Bohemia region).It is the most populous branch of R-M269, and is found in abundance along the Atlantic coasts of western Europe,. However it may have originated among or near the earlier Yamnaya culture, north of the Black Sea. It is the most recent common ancestor of **R-P312**, **R-U106**, and 3 smaller lineages.
R-U106 Branch							
R-U106	2900 BC	3608 BC	2289 BC	18,495	9,480	2	R-U106 is the smaller of the two main branches under R-L151. Although it is found all over Europe, and in countries that Europeans have migrated to, it is most significant in Germany and surrounding countries, Scandinavia, and Britain. It likely arose in Central Germany in the Corded Ware culture. Declared paternal origins: England (24%), Scotland (9%), Ireland (inc.NI) (8%), Wales (1%), UK (6%), and Germany (12%). The rest are from 65+ other countries.
R-Z2265	2900 BC	3559 BC	2250 BC	17,104	8,753	4	Two branches below Z2265 have been omitted.
R-Z381	2600 BC	3316 BC	2061 BC	14,343	7,232	4	This is the common ancestor of **R-Z156** and **R-Z301**. Declared paternal origins: England (25%), Scotland (9%), Ireland (inc.NI) (8%), UK (6%), United States (15%), and Germany (12%). The rest are from 60+ other countries.
Cheshire Group							
R-Z156	2500 BC	3167 BC	1917 BC	3,408	1,669	8	Declared origin: British Isles (or a country in the British Isles) (49%), United States (14%), and Germany (12%). The rest are from 30+ other countries. across Europe and the New World.
R-Z306	2300 BC	2921 BC	1720 BC	2,568	1,224	2	Declared origins have a similar distribution to above. One branch is omitted below R-Z306.
R-Z304	2100 BC	2773 BC	1606 BC	2,001	1,126	5	Declared origins have a similar distribution to above. One branch is omitted below R-Z304.

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R-DF98	2000 BC	2636 BC	1469 BC	779	432	7	Declared origin: British Isles (or a country in the British Isles) (52%), United States (18%) The rest were scattered across Europe, with Germany (9%) being the highest.
R-S1911	1800 BC	2433 BC	1232BC	217	114	5	Declared origin: British Isles (or a country in the British Isles) 73, and United States 16. The rest were scattered across Europe, with Germany and Sweden having the highest number at 5.
R-FGC13445	1600 BC	2350 BC	1004 BC	46	19	3	Declared origin: Ireland (inc NI) 9, England/UK 6, United Staes 4.
R-FGC13446	1100 AD	688 AD	1421 AD	11	6	4	Declared origin: 6 specified an origin. England, 5 United States 1. FGC13446 represents a group of 46 SNPs that occurred between branches. The group was brought to England by the Norman Conquest and subsequent branches occurred after the date. One of the four known lineages under FGC13446 included 2 Dutton results.
R-FGC17097	1300 AD	887 AD	1572 AD	3	2	2	There are 3 FTDNA results from England, and they are all Warburtons from the Cheshire Group. There are 2 lineages, representing the Warburtons of Arley and the Warburtons of Partington. It is known these 2 lineages split around 1300 AD.
R-FGC17094	1500 AD	1148 AD	1751 AD	2	2		There are 2 FTDNA results from England, and they are Warburtons believed to be linked to the Warburtons of Arley Hall. One of these results represents a lineage that has been separate from the main Arley branch from before 1600 and probably from the 15th century.
Lancashire Group							
R-Z301	2450 BC	3091 BC	1883 BC	10,612	5,486	6	Declared origin: British Isles (or a country in the British Isles) (50%), United States (15%), and Germany (12%). The rest are from 50+ other countries. across Europe and the New World.
R-L48	2400 BC	2984 BC	1798 BC	8,774	4,520	7	Declared origins are from British Isles (near 50%), United States, Germany and 50+ other countries.
R-Z9	2100 BC	2741 BC	1604 BC	5,664	2,806	4	Declared origins are fromBritish Isles (near 50%), United States, Germany and 50+ other countries.
R-Z30	2100 BC	2667 BC	1541 BC	4,079	1,999	3	Declared origins are from British Isles (over 50%), United States, and 35+ other countries. Three branches below R-Z30 are omitted.
R-Z7	1600 BC	2135 BC	1127 BC	3,317	1,645	4	Declared origins are fromBritish Isles (58%), United States, and 35+ other countries.
R-Z8	950 BC	1402 BC	558 BC	2,610	1,306	4	Declared origins are fromBritish Isles (58%), United States, and 25+ other countries.
R-Z1	900 BC	1360 BC	508 BC	1,393	684	2	Declared origins are from British Isles (60%), United States, and 20+ other countries.
R-Z346	750 BC	1204 BC	378 BC	1,000	507	3	Declared origins are from British Isles (59%), United States, and 20+ other countries.
R-Z343	700 BC	1152 BC	321 BC	707	470	6	Declared origins are from British Isles (58%), United States, and 15+ other countries.
R-FGC11784	100 BC	69 BC	228 AD	209	159	6	Declared origins are from British Isles (65%), and United States (27%), and 7 other countries.
R-S6881	350 AD	39 AD	624 AD	175	133	5	Declared origins include 83 from England or United Kingdom, 40 from the United States, 3 a from Ireland, and 1 from each of Scotland, Wales, France, Germany, Italy, the Czech Republic and Denmark. This distribution suggests R-S6881 occurred in England shortly after the Anglo-Saxon migrations. One branch below S6881 is omitted.
R-FGC42045	800 AD	559 AD	999 AD	144	107	6	Declared origins include 69 England or United Kingdom, 32 from the United States, and 1 from each of Scotland, Ireland, Wales, France, Germany and Denmark. The date of 800 AD is after the main Anglo-Saxon migrations to England, so it is likely to have occurred in England, with its presence in other countries due to onward migration.
Lancashire Group - Main Branch							
R-A11376	950 AD	740 AD	1167 AD	83	64	4	Declared origins include 47 from England or United Kingdom, 14 from the United States, and 1 from each of Scotland, Ireland, and Denmark. The date of 950 AD is roughly contemporary with the founding of Warburton village by the Saxon kingdom of Mercia.
R-A11378	1100 AD	769 AD	1306 AD	17	17	6	Declared origins include 11 from England or United Kingdom, and 6 from the United States.

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R-A15056	1300 AD	1022AD	1554 AD	7	7	2	The results are all Warburtons from the Lancashire group.
R-FT72032	1400 AD	1098AD	1623 AD	4	4	1	The 4 FTDNA results represent a subset of the Warburton Lancashire group. However 2 of the 7 R-A15056 results are from BigY-500 results that did not include a test for R-FT72032.
Lancashire Group - Tottington							
R-A11377	850 AD	567 AD	1073 AD	38	23	4	Declared origins include 12 are from the United States, 8 are from England, and there is 1 each from Wales, Germany and France.
R-A11379	850 AD	578 AD	1091 AD	34	21	2	Declared origins include 12 from the United States, 6 from England, and 1 each from Wales, and Germany. There is one complex downstream lineage with multiple branches, but the Warburton result from the Tottington clan is from a simple lineage with no branches, though it is a BigY-500 result which covers fewer SNPs than the BigY-700 test.
R-P312 Branch							
R-P312	2800 BC	3486 AD	2198 BC	51,618	28,963	9	P312 is the largest branch under R-L151. It is generally found more on Europe's Atlantic Coast, and is often associated with Celtic cultures, although it pre-dated their emergence. Declared origins are from Ireland, England, Scotland, and 114 other countries. Its downstream lineages, include R-Z46516 and **R-Z290**.
R-Z46516	2700 BC	3379 BC	2115 BC	19,053	10,157	4	Declared origins are from the British Isles (including Ireland), United States, France, and 90+ other countries.
R-ZZ11	2700 BC	3351 BC	2092 BC	18,440	9,754	3	This is the common ancestor of **R-U152** and **R-DF27**. Declared origins are from the British Isles, United States, France, and 90+ other countries.
South Cheshire							
R-U152	2500 BC	3186 BC	1948 BC	8,287	4,194	14	R-U152 is referred to by expedia.com as the Italo-Celtic branch. It was associated with the Bell Beaker culture in the Southern Germany, Alsace, Switzerland region. This culture evolved successively into the Urnfield, Hallstatt, and La Tene cultures which triggered a further expansion west to the Atlantic. Declared origins are from the British Isles (34%), Germany (12%), France (9%), Italy (7%), Switzerland (7%), (United States (10%), and 70+ other countries.
R-FT27293	2300 BC	3238 BC	1569 BC	46	31	2	Declared origins are 11 from England/UK, 5 from the United States, 2 each from Germany, France and Switzerland, and 5 others.
R-A274	2200 BC	3254 BC	1396 BC	26	20	4	Declared origins are 5 from England/UK, 4 from the United States, 2 each from Germany, France and Switzerland, and 3 others.
R-BY74637	1700 BC	2835 BC	759 BC	6	4	2	Declared origins are 2 from England, and 2 from the United States.
R-PH1424	1100 BC	2168 BC	274 BC	5	3	3	Declared origins are 2 from England, and 1 from the USA. There is one named and 2 unnamed linages below R-PH1424. The Warburton result forms one of the unnamed lineages which formed about 250 years after R-PH1424.
Notts and Ashley Group							
R-DF27	2600 BC	3256 BC	2012 BC	10,147	5,555	4	R-DF27 is referred to by expedia.com as the Gallic and Iberian branch of the Proto-Celts. Whereas its sister branch R-L21 moved west into Britain, R-DF27 spread into France and headed south. Declared origins are Iberia (13%), British Isles (35%), United States (11%), France (8%) and 70+ other countries. The larger numbers from the UK and US compared with France and Iberia may reflect a testing bias as genetic testing is more common in the former countries.

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R-ZZ12_1	2500 BC	3168 BC	1931 BC	4,038	2,544	28	Declared origins are 45% from the British Isles, 21% from Iberia and their former colonies, and 12% from the United States. The rest are from 50+ other countries.
R-BY3289	2500 BC	3370 BC	1707 BC	65	36	2	Declared origins are 11 from the British Isles, 18 from Europe , 6 from the United States and Canada, and 1from Mexico.
R-PH1011	1900 BC	2804 BC	1076 BC	16	15	2	There are 16 FTDNA results, including 15 who have specified their direct paternal origins. Of these 5 are from England/UK, 3 are from the United States, there are 2 each from Spain and Portugal, and 1 each from France, Sweden, and Mexico.
R-BY34793	1300 BC	2199 BC	592 BC	12	11	3	Declared origins are 4 from England/UK, 3 from the United States, 2 from Spain, and 1 each from France and Sweden.
R-PF5760	500 BC	1295 BC	113 AD	9	8	3	Declared origins are 4 are from England/UK, 2 from Spain, and 1 each from Sweden and the United States.
R-BY78345	300 BC	1106 BC	304 AD	7	6	2	Declared origins are 4 from England/UK, and 2 are from Spain. One of the lineages below R-BY78345, is R-FT302020 which includes the 2 testers whose origins are from Spain.
R-BY65512	100 AD	946 BC	538 AD	5	4	2	Declared origins are all from England or the UK.
R-BY115404	1200 AD	862 AD	1473 AD	4	4	2	Declared origins are all from England or the UK.
R-FT162667	1600 AD	1331 AD	1760 AD	3	3	2	The results are all Warburtons from England, and part of the Notts and Ashley Group.
R-FT163961	1800 AD	1574 AD	1904 AD	2	2	1	The results are both Warburtons, but neither from the Notts clan.
Mongan-Warburton							
R-Z290	2600 BC	3313 BC	2967 BC	29,411	16,897	2	Declared origins are from Ireland (36%), UK - particularly Scotland (36%), United States (13%), and 70+ other countries.
R-L21	2550 BC	3224 BC	1998 BC	29,400	16,890	2	R-L21 accounts for virtually all R-Z290 results. R-L21 is referred to by expedia.com as the Atlantic Celtic branch. They arrived in Germany by 2500 BC and founded the Unetice culture. They spread west reaching Britain around 2100 BC and Ireland about 2000 BC.
R-S552	2550 BC	3208 BC	1986 BC	26,196	15,595	8	Declared origins have a similar distribution to above.
R-DF13	2450 BC	3094 BC	1898 BC	25,653	15,276	11	Declared origins have a similar distribution to above.
R-Z39589	2400 BC	3053 BC	1850 BC	11,898	7,173	34	Declared origins are 39% from Ireland (inc. NI), 21% from Scotland, 17% from the rest of the United Kingdom, and 14% from the United States. The rest are from 45+ other countries.
R-DF49	2300 BC	3004 BC	1715 BC	6,430	3,808	6	Declared origins are 58% from Ireland (inc. NI), 14% from Scotland, 11% from the rest of the United Kingdom, and 12% from the United States. The rest are from 20+ other countries. Two branches are omitted below R-DF49.
R-DF23	2000 BC	2688 BC	1490 BC	5,863	3,463	5	The proportion of declared origins from Ireland is up to 61%. Only 2% are from mainland Europe, the rest being from the British Isles or the New World. Three branches are omitted below R-DF23.
R-M222	50 BC	350 BC	228 AD	5,156	3,107	2	The proportion of declared origins from Ireland is up to 65%. Only 1.5% are from mainland Europe, the rest being from the British Isles or the New World.
R-Z2959	50 AD	268 BC	290 AD	3,359	2,385	6	Declared origins are from Ireland (60)%, Scotland (14%), and mainland Europe (1.5%).The rest are from other parts of the British Isles or the New World.
R-S658	100 AD	164 BC	371 AD	2,962	2,091	2	Declared origins are from Ireland (64)%, Scotland (14%), and mainland Europe (1.4%, half from Sweden).The rest are from other parts of the British Isles or the New World. One branch is omitted below R-S658.
R-DF105	250 AD	9 BC	491 AD	2,902	2,048	29	Declared origins are similar to above.
R-BY119411	650 AD	4 AD	1102 AD	4	4	2	Declared origins are 3 from Ireland and 1 from the United States. There are at least 2 lineages below R-BY119411.

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R-FT407343	1200 AD	567 AD	1546 AD	2	2	1	Declared origins are one from Ireland, and one from the USA.
Haplogroup J							
J-M304	28000 BC	31819 BC	24042 BC	33,522	20,762	2	This marks the origin of the J haplogroup. It occurred in Western Asia amongst groups that had migrated from Africa. According to Wikepedia it is found in its greatest concentration in the Arabian peninsula. Outside of this region, it has a significant presence in other parts of the Middle East as well as in North Africa, the Horn of Africa, and Caucasus. It also has a moderate occurrence in Southern Europe, especially in central and southern Italy, Malta, Greece and Albania. Declared paternal origins: Saudi Arabia (23%), territories of the Old Soviet Empire (13%), British Isles (inc. Ireland) (5%), and Germany (4%). The rest are from 120+ other countries.
J-M172	26000 BC	29437 BC	22134 BC	15,050	9,168	3	This identifies the J2 branch of J, and is the subject of a Project at FTDNA. It is found in the highest concentrations in the Caucasus and the Fertile Crescent/Iraq and is found throughout the Mediterranean (including the Italian, Balkan, Anatolian and Iberian peninsulas and North Africa. Declared paternal origins: Saudi Arabia (9%), Old Soviet Empire (17%), British Isles (8%), Germany, (7%) and Italy (7%). The rest are from 100+ other countries.
J-M410	18000 BC	20526 BC	158273 BC	7,620	4,548	2	Declared origins: Saudi Arabia (13%), Old Soviet Empire (18%), British Isles (8%), Germany, (5%) and Italy (5%). The rest are from 120+ other countries.
J-L26	14000 BC	16402 BC	12098 BC	6,936	4,167	2	Declared paternal origins are from Saudi Arabia, the Old Soviet Empire, Italy, and nearly 100 other countries. There are at least 2 lineages below J-L26.
J-L24	11000 BC	12991BC	9429 BC	2,433	1,421	3	This branch is also the subject of an FTDNA Project which identifies its origins in the Zagreb mountains. Declared origins: Saudi Arabia (19%), Old Soviet Empire (8%), British Isles (8%), Italy 6%). The rest are from 70+ other countries.
J-Z393	8400 BC	9883 BC	7046 BC	2,407	1,401	2	Declared origins include 83 countries with a spread similar to J-L24.
J-L25	6600 BC	7862 BC	5495 BC	2,394	1,390	2	This was roughly the time that early farmers began to spread across Europe from the Aegean area. The J haplogroup is believed to have been carried into Europe by this migration.
J-Z438	6550 BC	7858 BC	5438 BC	1,180	640	2	Declared origins: Saudi Arabia (11%),Near East/North Africa (10%),Old Soviet Empire (7%), British Isles (12%), and Germany/Italy./France 23% The rest are from Europe and the New World.
J-CTS1192	4700 BC	5717 BC	3804 BC	1,091	575	3	Declared origins: Saudi Arabia (12%), Near East/North Africa (12%), Old Soviet Empire (7%), British Isles (13%), and and Germany/Italy./France 21%. The rest are from Europe and the New World.
J-FGC35503	2500 BC	3260 BC	1851 BC	203	164	8	39% of declared origins are from Saudi Arabia, 23% are from elsewhere in the Near East/North Africa, but just 4% (7 individuals) are from the the territories of the old Soviet Empire. 11 individuals are from France, 8 are from England/Ireland/UK, and the rest are from Europe and the world
J-Z40002	1850 BC	2591 BC	1100BC	55	50	3	19 declared origins are from the Arabian Peninsular, 6 re from elsewhere in the Near East/North Africa, 4 are from England/Ireland and 25 are from Europe or the New World. France is particularly well represented with 11.
J-Z39995	1600 BC	2340 BC	941 AD	37	34	2	13 declared origins are from the Arabian Peninsular, 6 are from elsewhere in the Near East/North Africa, 4 are from England or Ireland and 11 are from Europe or the New World. The number from France is only 2.
J-Z45879	1000 AD	541 AD	1310 AD	4	4	3	The 4 results include the Garryhinch result, which sits in an unnamed branch with one other result. Two results claim Irish origin, including Garryhinch. However Richard of Dublin was born in England so the SNP almost certainly occurred in England.
							Notes:

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							1. The SNPs column represents branches in the haplotree. The SNP may be representative of a number of SNPs that occurred between two branches. Some branches have been omitted if dates and number of tests are similar.
							2. Dates are calculated from a database of DNA tests including the FTDNA Y-DNA database, and external databases including ancient DNA samples. FTDNA applies a TMRCA (time to most recent common ancestor) algorithm to calculate a date and range based on the number of SNPs that have occurred since the SNP in question.
							3. The number of tests is the number of tests that have identified the SNP in question, and the number of testers that have also declared their country of origin.
							4. Lineages below is the number of separate branches that share the SNP in question.