

111 Marker Dutton-Warburton TMRCAs

Table 1

TMRCAs Criteria									
1 Mutation rate 0.26% average									
2 Date range is 5-95% probability									
3 McGee used for calculations (only 94 allele are used).									
4 Infinite allele mutation model.									
5 35 years per generation.									
6 Dates calculated as 1945 - (35 * No of generations).									
7 Profiles are identified by their Family Tree DNA Kit Numbers									
				H112		Markers tested		111	
				5%		50%		95%	
		Known date	Genetic Distance	TMRCAs (gens)	Date	TMRCAs (gens)	Date	TMRCAs (gens)	Date
H1112									
		before 1600	5	5	1770	12	1525	22	1175
373609									
		1300	7	8	1665	16	1385	28	965
224096									
		1070-1150	9	12	1525	21	1210	34	755
75848									
		1070-1150	10	13	1490	23	1140	37	650
318507									
				373609		Markers tested		111	
				5%		50%		95%	
		Known date	Genetic Distance	TMRCAs (gens)	Date	TMRCAs (gens)	Date	TMRCAs (gens)	Date
H1112									
		bet 1600	5	5	1770	12	1525	22	1175
373609									
		1300	7	8	1665	16	1385	28	965
224096									
		1070-1150	9	12	1525	21	1210	34	755
75848									
		1070-1150	10	13	1490	23	1140	37	650
318507									
				224096		Markers tested		111	
				5%		50%		95%	
		Known date	Genetic Distance	TMRCAs (gens)	Date	TMRCAs (gens)	Date	TMRCAs (gens)	Date
H1112									
		1300	7	8	1665	16	1385	28	965
373609									
		1300	7	8	1665	16	1385	28	965
224096									
		1070-1150	11	15	1420	25	1070	40	545
75848									
		1070-1150	12	17	1350	28	965	43	440
318507									
				75848		Markers tested		111	
				5%		50%		95%	
		Known date	Genetic Distance	TMRCAs (gens)	Date	TMRCAs (gens)	Date	TMRCAs (gens)	Date
H1112									
		1070-1150	9	12	1525	21	1210	34	755
373609									
		1070-1150	9	12	1525	21	1210	34	755
224096									
		1070-1150	11	15	1420	25	1070	40	545
75848									
			4	4	1805	10	1595	19	1280
318507									
				318507		Markers tested		111	
				5%		50%		95%	
		Known date	Genetic Distance	TMRCAs (gens)	Date	TMRCAs (gens)	Date	TMRCAs (gens)	Date
H1112									
		1070-1150	10	13	1490	23	1140	37	650
373609									
		1070-1150	10	13	1490	23	1140	37	650
224096									
		1070-1150	12	17	1350	28	965	43	440
75848									
			4	4	1805	10	1595	19	1280