

111 Marker Dutton-Warburton TMRCA's

Table 1

TMRCA 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	TMRCA (gens)	Date	TMRCA (gens)	Date	TMRCA (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	TMRCA (gens)	Date	TMRCA (gens)	Date	TMRCA (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	TMRCA (gens)	Date	TMRCA (gens)	Date	TMRCA (gens)	Date
H1112		1300	7	8	1665	16	1385	28	965
373609		1300	7	8	1665	16	1385	28	965
224096									
75848		1070-1150	11	15	1420	25	1070	40	545
318507		1070-1150	12	17	1350	28	965	43	440
75848									
			75848		Markers tested		111		
					5%		50%		95%
		Known date	Genetic Distance	TMRCA (gens)	Date	TMRCA (gens)	Date	TMRCA (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									
318507			4	4	1805	10	1595	19	1280
318507									
			318507		Markers tested		111		
					5%		50%		95%
		Known date	Genetic Distance	TMRCA (gens)	Date	TMRCA (gens)	Date	TMRCA (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