August 18, 2011 Markers 1 to 37 - Munster, Ireland	Casey	Branch	HAPLO	Kit	393	390	19	391	385a	385b	426	388	439	389-1	392	389-2	458	459a	459b	455	454	447	437	448	449	464a	464b	464c	464d	460	GATA-H4	YCA-IIa	YCA-IIb	456	607	576	570	CDYa	CDYb	442	438	464e	464f			Y-Search ID		
L226 MRCA			L226+	MRCA	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15	15	18	17	36	38	12	12							
Munster, Ireland MRCA			L226+	MRCA	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15	15	18	17	36	38	12	12							
Dennis, Kerry, Ireland		B1	R1b1b2	53484	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	28	13	13	14	17	11	11	19	23	15	15	18	17	35	37	12	12					D2UPY		
Elisha(SC),Elisha(GA)		B1	R1b1b2	131349	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	26	15	19	28	13	13	14	17	11	11	19	23	15	15	17	17	35	37	12	12					None		
Michael, Limerick, Ireland		B2	R1b1b2	34073	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15	15	18	17	36	39	12	12					SMRVQ		
Anthony, Clare, Ireland		B2	R1b1	N42374	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15	15	17	17	36	38	12	12					EXQ84		
Patrick, b. 1850, Cork, Ireland		B2	L226+	190465	13	24	14	11	11	14	12	12	12	13	13	29	17	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15	15	18	17	36	39	12	12					H5N3Z		
Daniel, Clare, Ireland			L226+	56031	13	24	14	11	11	14	12	12	11	13	13	29	17	8	9	11	11	25	15	19	28	13	13	15	17	11	11	19	21	15	15	18	17	33	37	12	12					474NH		
Daniel, Cork, Ireland			R1b	6FW87	13	25	14	11	11	14	12	12	11	13	13	29	18	8	9	11	11	25	15	19	29	13	13	15	17	11	11	19	23	15						12	12					6FW87		
Martin, Limerick, Ireland			R1b	42BNV	13	24	14	11	11	14	12	12	11	13	13	31	17	8	9	11	11	25	14	19	27	13	13	15	17	11	11	19	23	15						12	12					42BNV		
James Charles Casey			R1b1b2	57562	13	23	14	11	11	14	12	12	12	13	13	29																														None		
Maurice Casey, b. 1798			R1b1b2	129039	13	24	14	11	11	14	12	12	12	13	13	29																														QQTVA		
Unknown Casey			R1b1b2	N65778	13	24	14	11	11	14	12	12	11	13	13	29																														None		

						=	Add Mutation						=	Delete Mutation																																	

Markers 38 to 67 Casey - Munster, Ireland			Kit	531	578	395S1A	395S1B	590	537	641	472	406S1	511	425	413A	413B	557	594	436	490	534	450	444	481	520	446	617	568	487	572	640	492	565															
L226 MRCA			L226+	MRCA	11	9	15	16	8	10	10	8	10	10	12	23	23	15	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12			=	449, 464c, 413a, CDYa, CDYb - strong genetic - B1 Br										
Munster, Ireland MRCA			L226+	MRCA	11	9	15	16	8	10	10	8	10	10	12	21	23	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12															
Dennis, Kerry, Ireland		B1	R1b1b2	53484	11	9	15	16	8	10	10	8	10	10	12	19	23	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12			=	449, CDYa, 413a - weak genetic - B2 Branch										
Elisha(SC),Elisha(GA)		B1	R1b1b2	131349	11	9	15	16	8	10	10	8	10	10	12	19	23	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12															
Michael, Limerick, Ireland		B2	R1b1b2	34073	11	9	15	16	8	10	10	8	10	10	12	21	23	15	10	12	12	14	8	13	22	20	13	12	11	13	11	11	12	12			=	Strong Branch from L226										
Anthony, Clare, Ireland		B2	R1b1	N42374	11	9	15	16	8	10	10	8	10	10	12	21	23	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	13	12															
Patrick, b. 1850, Cork, Ireland		B2	L226+	190465	11	9	15	16	8	10	10	8	10	10	12	21	23	16	10	12	12	14	8	11	22	20	13	12	11	13	11	11	12	12			=	Possible Weak Branch from L226										
Daniel, Clare, Ireland		B2	L226+	56031	11	9	15	16	8	10	10	8	10	10	12	21	23	15	10	12	12	14	8	12	22	20	13	12	11	13	11	11	12	12															
Daniel, Cork, Ireland			R1b	6FW87																				12			13																					
Martin, Limerick, Ireland			R1b	42BNV																				12			13																					

Markers 68 to 111 Casey - Munster, Ireland			Kit	710	485	632	495	540	714	716	717	505	556	549	589	522	494	533	636	575	638	462	452	445	GATAA10	463	441	GAATIB07	525	712	593	650	532	715	504	513	561	552	726	635	587	643	497	510	434	461	435
L226 MRCA			L226+	MRCA	35	15	9	16	12	25	24	19	12	11	13	12	11	9	13	12	10	11	11	30	12	13	25	13	10	10	22	15	18	13	24	17	13	15	24	12	23	18	10	14	18	9	12	11
Munster, Ireland MRCA			L226+	MRCA	35	15	9	16	12	25	24	19	12	11	12	12	11	9	13	12	10	11	11	30	12	13	25	13	10	10	21	15	19	13	24	17	12	15	24	12	23	18	10	14	18	9	12	11
Daniel, Clare, Ireland		B2	L226+	56031	35	15	9	16	11	25	24	19	12	11	12	12	11	9	13	12	10	11	11	30	12	13	25	13	10	10	20	15	19	13	24	17	12	15	24	12	23	18	10	14	19	9	12	11
Patrick, b. 1850, Cork, Ireland		B2	L226+	190465	35	15	9	16	12	25	24	19	12	11	12	12	11	9	13	12	10	11	11	30	12	12	25	13	10	10	21	15	19	14	24	16	12	15	24	12	23	18	10	14	17	9	12	11
Daniel, Cork, Ireland			R1b	6FW87																			11	30	12	13		13	10												23						12	
Martin, Limerick, Ireland			R1b	42BNV																			11	30	12	14	25	13	10												23						12	

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