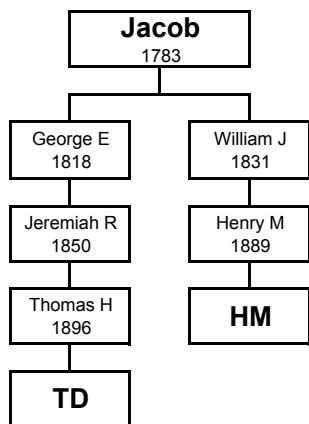


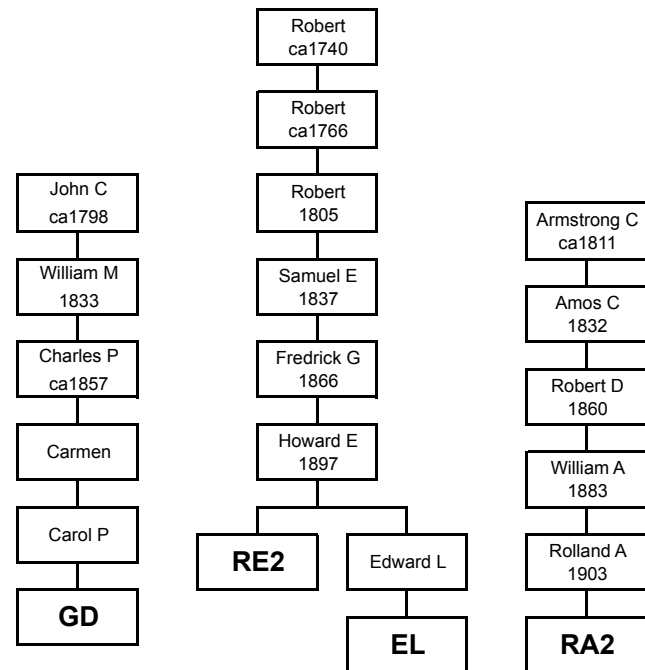
**Group 3a**



These kindreds do not appear in Fife.

Note: We do not know the common ancestor of **EL & RA2** or **GD**.

**Group 3b**



**Differences from Ewing Modal**

As can be seen in the results table below, **TD, EL & RA2** are genetic distance 9 from the Ewing modal and **HM** is 12 (and **GD** is 8). This is too far to consider that they are related to the other Ewings in a genealogic time frame. On the other hand, **TD & HM** are only genetic distance 3 from one another; and, **EL & RA2** are only genetic distance 2 from one another (and **GD** is genetic distance 1 from each of them). Further, **EL & RA2** are each only genetic distance 3 from the McLaughlin modal (**GD** is genetic distance 2 from the McLaughlin modal), but **TD & HM** are genetic distance 5 & 12 from the McLaughlin modal, respectively. This is why we consider that **EL, RA2** and **GD** are probably descended from a McLaughlin, whereas **TD & HM** are not related to them.

ID	DYS393	DYS390	DYS19	DYS391	DYS385a	DYS385b	DYS426	DYS388	DYS439	DYS389-1	DYS392	DYS389-2	DYS458	DYS459a	DYS459b	DYS455	DYS454	DYS447	DYS437	DYS448	DYS449	DYS464a	DYS464b	DYS464c	DYS464d	DYS460	GATA-H4	YCA-IIa	YCA-IIb	DYS456	DYS607	DYS576	DYS570	CDYa	CDYb	DYS442	DYS438	
R1b	13	24	14	11	11	14	12	12	12	13	13	29	17	9	10	11	11	25	15	19	29	15	15	17	17	11	11	19	23	15	15	18	17	37	38	12	12	
M222+	13	25	14	11	11	13	12	12	12	13	13	14	29	17	9	10	11	25	15	18	30	15	16	16	17	11	11	19	23	18	16	18	17	38	39	12	12	
Ewing	13	25	15	11	11	13	12	12	13	13	14	29	17	9	10	11	11	25	15	18	31	15	16	16	17	11	11	19	23	18	16	18	17	37	38	11	12	
3a	TD	13	25	14	11	11	13	12	12	12	13	14	29	18	9	10	10	11	25	15	18	30	15	16	16	17	11	11	19	23	16	16	19	17	37	38	12	12
	HM	13	25	14	11	11	14	12	12	12	13	14	29	18	9	10	10	11	25	15	18	30	15	16	16	17	11	11	19	23	16	16	20	17	38	38	12	12
	EL	13	25	14	11	11	13	12	12	12	13	14	29	17	9	10	11	11	24	15	18	30	15	16	17	17	11	11	19	23	16	16	17	17	37	38	12	12
3b	GD	13	25	14	11	11	13	12	12	12	13	14	29	17	9	10	11	11	24	15	18	30	15	16	16	17	11	11	19	23	16	16	17	17	37	38	12	12
	RA2	13	25	14	11	11	13	12	12	12	13	14	29	17	9	10	11	11	24	15	18	30	15	16	16	17	11	12	19	23	16	16	17	17	37	38	12	12
McLaughlin	13	25	14	11	11	13	12	12	12	13	14	29	18	9	10	11	11	24	15	18	30	15	16	16	17	11	11	19	23	17	16	17	17	37	38	12	12	

Differences are shaded with respect to the Ewing modal

See the Group 3 Results Table and Discussion for full results and more information; and, see the individual participant lineages for more details, wives, places, etc.