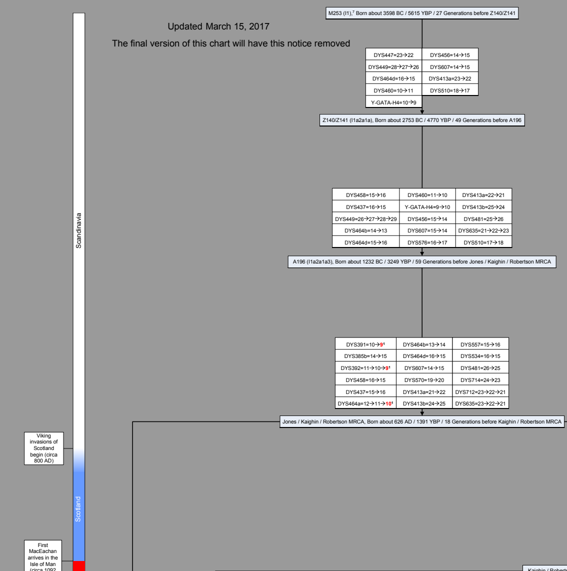
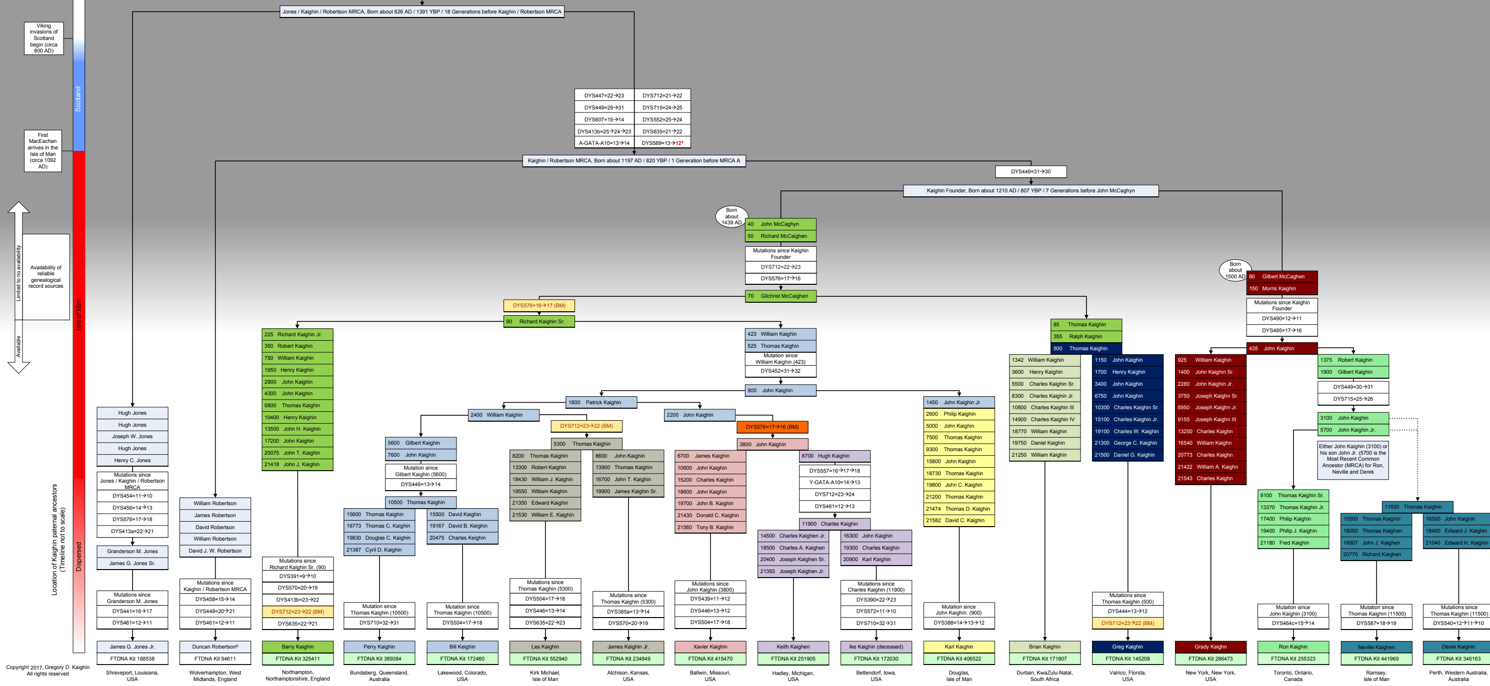
The Kaighin Y-DNA Tree

Updated March 15, 2017

The final version of this chart will have this notice removed





Legend and Notes

M253 (Basic I1) STR Haplotype[8]

DYS393	DYS390	DYS19	DYS391	DYS385a	DYS385b	DYS426	DYS388	DYS439	DYS389i
13	22	14	10	13	14	11	14	11	12
DYS392	DYS389ii	DYS458	DYS459a	DYS459b	DYS455	DYS454	DYS447	DYS437	DYS448
11	28	15	8	9	8	11	23	16	20
DYS449	DYS464a	DYS464b	DYS464c	DYS464d	DYS460	GATA H4	YCAIIa	YCAIIb	DYS456
28	12	14	15	16	10	10	19	21	14
DYS607	DYS576	DYS570	CDYa	CDYb	DYS442	DYS438	DYS531	DYS578	DYF395a
14					12	10	11	8	15
DYF395b	DYS590	DYS537	DYS641	DYS472	DYF406	DYS511	DYS425	DYS413a	DYS413b
15	8	11	10	8	9	9	12	23	25
DYS557	DYS594	DYS436	DYS490	DYS534	DYS450	DYS444	DYS481	DYS520	DYS446
15	10	12	12		8	13	25	20	13
DYS617	DYS568	DYS487	DYS572	DYS640	DYS492	DYS565	DYS710	DYS485	DYS632
13	11	12	11	11	12	11		12	8
DYS495	DYS540	DYS714	DYS716	DYS717	DYS505	DYS556	DYS549	DYS589	DYS522
17	12	24	27	19	11	12	12	13	11
DYS494	DYS533	DYS636	DYS575	DYS638	DYS462	DYS452	DYS445	GATA A10	DYS463
9	11	11	10	12	12	31	11	13	21
DYS441	Y-GGAAT-1B07	DYS525	DYS712	DYS593	DYS650	DYS532	DYS715	DYS504	DYS513
16	11	10		15		11	24	17	13
DYS561	DYS552	DYS726	DYS635	DYS587	DYS643	DYS497	DYS510	DYS434	DYS461
15	25	12	21	18	12	14	18	9	12
DYS435									
11									

The Kaighin Branches

- Ballakaighin Kaighin Branch
- Scaresdale Kaighin Branch
- Curragh Kaighin Branch
- Lhergydhoo Kaighin Branch
- Corvalley Kaighin Branch
- Kerrowglass Kaighin Branch
- Kirk Malew Kaighin Branch
- Ballaquine Kaighin Branch
- Ballanair Kaighin Branch
- The Phurt Kaighin Branch
- Ramsey Kaighen Branch

1. According to John Creer of ManxDNA.co.uk: "If we look at the Kaighin haplotype it is clear that it may well be a very unusual and hence a distinctive one! The following marker values are very rare indeed within Haplogroup I:- DYS391 = **9**, DYS392 = **9** and DYS464a = **10** – and represent the unique haplotype signature of the Kaighins - and you should be looking to see if you can find other I1 matches that match on these 3 markers alone. These 3 markers values are some distance from the I1 haplogroup modal signature and are distinctive and meaningful!" Since this discovery, we have also discovered that the value of DYS589 = **12** is also very rare and is therefore also a distinctive marker.
2. Ken Nordtvedt's mutation rates include Loci 1-67, 73-75, 86-92, 103-104 and 110. All rates derived from multiple sources provided by Duncan Robertson.
3. The Kaighin haplotype terminal SNP will change as new SNPs are found downstream from FGC9560.
4. Only the frequencies for Kaighin modal values shown. Multiple sources used, but the primary source is the Y-STR Allele Frequencies page on Ancestry.com compiled by Leo Little. FTDNA standards used. <0.005 indicated by **0.00**.
5. * Indicates all haplogroups represented in count.
6. Duncan is our link to the first MacEachan to reach the Isle of Man about 920 years ago.
7. M253 (I1) is downstream from M170 (I). To see the complete human Y-DNA haplotree see https://www.familytreedna.com/y-dna-haplotree.aspx
8. M253 (Basic I1) STR values obtained from Ken Nordtvedt (2012)

These markers mutated back (BM = Back Mutation)

These markers mutated back three times (starting at 17, then down to 16, the up to 17, and back down to 16)

The Y-DNA STR test used in this study is the 111 marker test from Family Tree DNA (www.ftdna.com).

Fenner, Jack N. "Cross-cultural Estimation of the Human Generation Interval for Use in Genetics-based Population Divergence Studies." American Journal of Physical Anthropology (2005): 415-23. Print.

MRCA A (Kaighin Founder) STR Haplotype

DYS393	DYS390	DYS19	DYS391	DYS385a	DYS385b	DYS426	DYS388	DYS439	DYS389i
13	22	14	9	13	15	11	14	11	12
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DYS449	DYS464a	DYS464b	DYS464c	DYS464d	DYS460	GATA H4	YCAIIa	YCAIIb	DYS456
30	10	14	15	15	10	10	19	21	14
DYS607	DYS576	DYS570	CDYa	CDYb	DYS442	DYS438	DYS531	DYS578	DYF395a
14	17	20			12	10	11	8	15
DYF395b	DYS590	DYS537	DYS641	DYS472	DYF406	DYS511	DYS425	DYS413a	DYS413b
15	8	11	10	8	9	9	12	22	23
DYS557	DYS594	DYS436	DYS490	DYS534	DYS450	DYS444	DYS481	DYS520	DYS446
16	10	12	12	15	8	13	25	20	13
DYS617	DYS568	DYS487	DYS572	DYS640	DYS492	DYS565	DYS710	DYS485	DYS632
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15	24	12	22	18	12	14	18	9	12
DYS435									
11									

Kaighin Y-DNA STR Testing Results - With Ancestor Haplotypes Extrapolated