Clan Donnachaidh DNA Project

Donnachaidh DNA Project: DNA Testing for Genealogy

DNA testing for all Clan Donnachaidh Surnames & Septs:

Duncan, Donachie, Robertson, Reid, Duncanson, MacConachie, MacDonachie, Dunnachie, Tonnachy, MacRobert, Collier, Colyear, Inches, Roy, Roberts, Macinroy, MacIvor, Maclagan, Stark, MacRobie

The Clan Donnachaidh Surname DNA Project has made great strides since it started in 2002. DNA testing has become a powerful tool within our genealogy tool kit. This new field of science, a combination of genetics and genealogy, is called Genetic Genealogy.

The Donnachaidh DNA Project is based with the leading company that pioneered the use of genetics for genealogical purposes, Family Tree DNA (FTDNA) in Houston, Texas. FTDNA is partnered with the lab of one of the leading research scientist in the genetic field, Dr. Hammer, at the University of Arizona in Tucson.

We now have over 1000+ participants in the project from the various clan surnames. About 80% of the participants have been able to find matches with previously unknown men that are within their direct genetic male line. A number of brick walls have been knocked down with DNA testing. DNA testing can help to confirm, focus or redirect your research.

The DNA Project has two components; one that follows the **Y-DNA** which only males have and the mtDNA which both males and females have. The Y-DNA is the male determining chromosome which is passed almost unchanged from father to son down through time. This continuity, from father to son, is the power behind using genetics in our genealogy research.

When different men of the same surname test and the results match within strict parameters, then they share a common ancestor on their direct male line, within a historical time frame.

The second component is mitochondrial DNA (**mtDNA**) which is passed from a mother to all of her children both male and female, but only the female's can pass mtDNA onto the next generation. This is the power of the mtDNA that it gives us ancestral information on the direct maternal line of men and women.

Donnachaidh DNA Project Administrators *(left to right)*: Tim Duncan, Stephanie Robertson and Bill Robertson, Photo taken at Killiecrankie Hall, Killiecrankie, Perthshire, Scotland.

Duncan Group "A" Participants

Kit #	Haplogroup - SNP	DYS# 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
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Model Haplotype	**13**	**24**	**14**	**10**	**11**	**14**	**12**	**12**	**13**	**13**	**14**	**29**	**17**	**9**	**10**	**11**	**12**	**25**	**15**	**19**	**29**	**14**	**15**	**16**	**17**
1	R1b1c10	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
2	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
3	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
4	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
5	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	**11**	25	15	19	**30**	14	15	16	17
6	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	**24**	15	19	29	14	15	16	**16**
7	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
8	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
9	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
10	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
11	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
12	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
13	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	25	15	19	29	14	15	16	17
14	R1b1c	13	24	14	10	11	14	12	12	13	13	14	29	17	9	10	11	12	**24**	15	19	29	14	15	16	17

Figure 1: Duncan Group "A" 25 marker results showing how 12 previously unknown men matched by taking the Y-DNA test. This group of men share a common male ancestor and can now focus their research within this group.

Men provide a sample for the Y-DNA test but as with most good causes in genealogy **women** are a driving force behind the project by sponsoring and/or getting a male relative to test. The test is done by rubbing a cotton swab on the inside of one's cheeks. Results start coming back in about 4 – 6 weeks. Participants are given a personal page on the FTDNA website where all of their test/matches and information are posted.

How can Y-DNA testing help me in my genealogy research?

Remember Y-DNA testing is a tool and not a stand-alone resource. When your test results come back from the lab you will get a set of numbers (figure 1) for each marker tested. These numbers mean nothing by themselves but when compared to other men of the same surname you can determine genetic matches. If you match another man closely then you share a common ancestor within a historical time frame. Figure 1 shows the 25 marker results for men in 'Duncan Group A'. Of the 14 men in this group 12 men did not know of one another before taking their Y-DNA test. By comparing the Y-DNA test results for each man in this group with their family history research new connection are made and brick walls are knocked down.

The Donnachaidh DNA Project is looking for men and women with clan surnames to participate in the project. We are trying to test each male line within currently known family genealogies. We definitely are looking for men with known genealogies back to Scotland. Many more Scottish men are needed in the project which will give us a better base to compare men from other parts of the world too.

Feel free to contact the project administrators: Tim Duncan tim@clandonnachaidhdna.org, phone 760-985-0444, Stephanie Robertson dna@pt.lu, anytime with questions. Our project information is at www.clandonnachaidhdna.org The Clan Donnachaidh Society website is www.donnachaidh.com The FTDNA website is www.familytreedna.com. Family Tree DNA can also be reached by phone at 713-868-1438.

We look forward to having you participate in this exciting endeavor of science and genealogy.

FamilyTreeDNA

www.familytreedna.com

www.clandonnachaidhdna.org

dna@pt.lu

tim@clandonnachaidhdna.org