HG	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 II a	YCA II b	456	607	576	570	CDY a	CDY b	442	438	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
hg G Nathaniel
G	14	22	15	10	14	14	11	13	13	12	11	30
G	14	22	15	10	14	14	11	13	13	12	11	30
G	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	30	12	13	13	14	10	11	20	20	15	13	14	17	34	37	11	10
G	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	31	12	13	13	14	10	11	20	20	15	13	14	18	34	37	11	10
G2a	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	31	12	13	13	14	10	11	20	20	15	13	14	18	35	37	11	10
hg G unassigned
G	14	21	15	10	13	15	11	12	11	12	11	29
G2a3b	14	22	15	10	14	14	11	13	11	12	11	29	16	8	9	11	11	23	16	22	32	12	13	13	14	10	11	20	20	15	13	17	18	35	37	11	10	11	8	15	16	8	11	10	8	11	11	14	22	22	14	10	12	12	14	8	12	22	22	19	12	11	13	10	11	11	11
hg R1b Maryland
R1b1b2	13	23	14	11	11	14	12	12	11	13	12	29
R1b1b2	13	23	14	11	11	14	12	12	11	13	12	29	17	9	10	11	11	24	15	20	28	15	16	17	17	11	10	19	23	17	15	17	17	36	36	13	12
R1b1b2a1a4	13	23	14	11	11	14	12	12	11	13	12	29	17	9	11	11	11	24	15	20	28	15	15	16	17
R1b1b2	13	23	14	11	11	14	12	12	11	13	12	29	17	9	11	11	11	24	15	20	28	15	16	17	17	11	10	19	23	17	15	18	17	36	37	13	12
hg R1b Saybrook
R1b1b2a1a4	13	24	14	11	11	14	12	12	12	13	13	29
hg R1b SI Richard
R1b1b2	13	24	15	10	11	14	12	12	12	13	13	30
R1b1b2a1b	13	24	15	10	11	14	12	12	12	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	16	11	11	19	23	16	17	18	19	36	38	12	12
R1b1b2a1b	13	24	15	10	11	14	12	12	12	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	16	11	11	19	23	16	17	18	19	36	38	12	12
hg R1b SI William
R1b1	13	24	15	10	11	13	12	12	11	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	17
R1b1b2	13	24	15	10	11	14	12	12	11	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	17	11	11	19	23	16	16	17	19	36	38	12	12
R1b1b2	13	24	15	10	11	14	12	12	11	14	13	31	19	9	10	11	11	25	15	19	29	15	15	16	17	11	11	19	23	16	17	17	19	36	38	12	12
R1b1b2	13	24	15	10	11	14	12	12	12	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	17	11	11	19	23	16	17	17	19	36	38	12	12
hg R1b unassigned

R1b1b	13	23	14	10	11	14	12	12	12	13	13	29																																																								
R1b1b2a1b	13	24	14	11	11	14	12	12	11	13	13	28	17	9	10	11	11	25	15	19	29	15	15	16	17	11	10	19	23	16	15	18	17	35	39	12	12	11	9	15	16	8	10	10	8	10	11	12	23	24	15	10	12	12	15	8	12	22	20	14	13	11	13	11	11	12	12
R1b1b2	13	24	14	11	11	14	12	12	**12**	12	13	28																																																						
R1b1b2	13	24	15	11	11	14	12	12	12	13	13	29	19	9	10	11	11	25	15	19	28	15	15	16	17	11	10	19	23	16	15	16	17	35	38	12	12																														
R1b1b2	13	24	15	11	11	15	12	12	12	13	13	29	17	9	10	10	11	25	15	19	29	15	15	16	17	10	11	19	23	16	15	16	18	36	39	12	12																														
R1b1b2	13	25	14	11	11	14	12	12	12	14	13	30	17	9	10	11	11	25	15	19	30	15	15	17	17	11	11	19	23	16	16	16	18	38	38	12	12																														
hg T unassigned																																																																			
T	13	22	13	11	13	14	11	12	11	14	13	30																																																							
not Merrill/Merrell																																																																			
R1b1b2	13	23	14	11	11	14	12	12	12	13	13	29	17	9	10	11	11	24	14	19	30	15	17	17	17	10	10	19	23	17	16	17	17	37	39	12	12																														
R1b1b2	13	23	15	11	11	15	12	12	12	13	13	29	19	9	10	11	11	25	15	18	29	15	15	16	17	11	11	19	23	15	15	20	17	36	41	13	12																														
R1b1b2	13	25	14	11	11	13	12	12	12	13	14	29																																																							
R1a1	13	25	16	10	11	14	12	10	10	14	11	31	15	9	10	11	11	24	14	19	32	12	15	15	16	11	11	19	24	15	15	21	19	33	38	13	11	11	8	17	17	8	12	10	8	11	10	12	22	22	15	10	12	12	14	8	13	25	22	11	13	11	13	11	11	12	13
G	14	22	15	10	14	15	11	13	13	12	11	30																																																							
G	14	22	15	10	14	15	11	13	13	12	11	30	17	9	9	11	11	23	16	21	32	12	13	13	14	10	11	20	20	15	13	17	17	35	37	11	10	11	8	15	16	8	11	10	8	11	10	14	22	22	14	10	12	12	15	8	12	21	22	19	12	11	13	11	11	11	12

**A value "0" for any marker indicates that the lab reported a null value or no result for this marker. All cases of this nature are retested multiple times by the lab to confirm their accuracy. Mutations causing null values are infrequent, but are passed on to offspring just like other mutations, so related male lineages such as a father and son would likely share any null values.