49seq	fseq	ysearch	project ID	file name	haplotype	89seq	meas	393	390	19	391	385a	385b	426	388	439	389-1	392	389-2	458	459a	459b	455	454	447	437	448	449	464a	464c	464d	464e	460	H4	YCAIIa	YCAIIb	456	607	576	570	CDY a	CDY b	442	438	531	578	425	461	462	A10	635	1807	441	444	445	446	452	463	492
1	1	FFEAK	140323	G Nathaniel	G Nathaniel	1	49	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	31	12	13	13	13	14	10	11	20	20	15	13	14	18	34	37	11	10		11	12	12	20	11	13	13	10	17	6	20
2	2	26RTE	156	G Nathaniel	G Nathaniel	27	43	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	12	20	20	15			11	10					11	12	12	20	11	13	13	10	18	7	20
3	3	4E3T9	155	G Nathaniel	G Nathaniel	24	42	14	22	15	10	14	14	11	13	12	12	11	29	16	9	9	11	11	24	16	21	31	12	13	13	14		10	12	20	20	15			11	10					11	12	12		11	13	13	10	18	7	20
4	4	CSCW4	149	G Nathaniel	G Nathaniel	2	44	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	31	12	13	13	13	14	10	11	20	20	15			11	10					11	12	12	20	11	13	13	10	17	6	20
5	5	DDB8X	157	G Nathaniel	G Nathaniel	26	44	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	12	24	16	21	31	12	13	13	13	14	10	12	20	20	15			11	10					11	12	12	20	11	13	13	10	18	7	20
6	6	HQPEY	138	G Nathaniel	G Nathaniel	4	26	14	22	15	10	14	14	11	13	12	12	11	30				11	11	24	16									10	12	20	20								10				10	12	12	20	11							
7	7	R48SV	151	G Nathaniel	G Nathaniel	21	44	14	22	15	10	14	14	11	13	13	12	11	30	16	9	9	11	11	24	16	21	31	12	13	13	13	14	10	12	20	20	15			11	10					11	12	12	20	11	13	13	10	18	6	20
8	8	S3ARK	47695	G Nathaniel	G Nathaniel	13	37	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																			
9	9	SWUU6	144019	G Nathaniel	G Nathaniel	14	37	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	12	20	20	15	13	14	17	34	37	11	10																			
10	1	59Y24	84956	Misc	G Unassigned	1	67	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						12		19											
11	2	P34UW	N71155	Misc	T Unassigned	1	12	13	22	13	11	13	14	11	12	11	14	13	30																																												
12	3	RV9PY	163	Misc	J2b Unassigned	1	43	12	24	15	10	13	17	11	15	11	12	11	28	17	8	9	11	11	26	16	19	28	12	15	16	17		11	11	19	20	12									10	11	13	20	11	14	13	11	12	12	20	
13	4	Y2CBM	122	Misc	R1b New Brunswick	1	43	13	23	14	10	11	14	12	12	12	13	13	29	18	9	10	11	11	24	15	19	30	15	15	17	17		10	12	19	23	16									12	11	13	23	10	14	12	12	13	11	22	
14	1	QEH2U	119	R1b Maryland	R1b Maryland	1	43	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	11	19	23	17						13	12		12	11	13	23	9	13	12	13	12	11	22	
15	2	EJ8N2	165806	R1b Maryland	R1b Maryland	2	43	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															
16	3	KQTSX	62249	R1b Maryland	R1b Maryland	5	43	13	23	14	11	11	14	12	12	11	13	12	29																																										
17	4	UX87E	66170	R1b Maryland	R1b Maryland	4	43	13	23	14	11	11	14	12	12	11	14	12	29																																										13
18	1	ZU74D	130919	R1b Saybrook	R1b Saybrook	1	74	13	24	14	11	11	14	12	12	12	13	13	29	17	9	9	11	11	24	15	19	30	15	15	17	18		10	12	23	23	15	15	18	16	36	36	11	12	null	12	11	12	23	10	13	12	12	13	11	22	
19	2	6CTTH	101	R1b Saybrook	R1b Saybrook	2	43	13	24	14	11	11	14	12	12	12	13	13	29	17	9	9	11	11	24	15	19	30	15	15	17	18		10	12	23	23	15						11	12		12	11	12	23	10	13	12	12	13	11	22	
20	3	6NUZ9	103	R1b Saybrook	R1b Saybrook	4	43	13	24	14	11	10	14	12	12	12	13	13	29	17	9	9	11	11	24	15	19	30	15	15	17	18		10	12	23	25	15						11	12		12	11	12	23	10	13	12	12	13	11	22	
21	4	BUJ6P	102	R1b Saybrook	R1b Saybrook	3	43	13	24	14	11	11	14	12	12	12	13	13	29	17	9	9	11	11	24	15	19	30	15	15	17	18		10	12	23	23	15						11	12		12	11	12	23	10	13	12	12	13	11	22	
22	1	64CZR	165	R1b St Richard	R1b St Richard	5	40	13	24	15	10	11	14	12	12	13	13	13	30	19	9	10	11	11	25	15	19	29	15	15	16	16		11	12	19	23							12	12		12	11	12		10	13	12	12	13		22	
23	2	3S9CB	128845	R1b St Richard	R1b St Richard	1	37	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															
24	3	6T5XU	104	R1b St Richard	R1b St Richard	3	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
25	4	DXGTK	120359	R1b St Richard	R1b St Richard	7	12	13	24	15	10	11	14	12	12	12	13	13	30																																									
26	5	ENSGR	144046	R1b St Richard	R1b St Richard	2	37	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															
27	6	FWPS4	116	R1b St Richard	R1b St Richard	6	35	13	24		10	11	14	12	12	12	13	13	30	19	9	10	11	11	25		19	29																12		12	11	12	23	10	13	12	12	13		22	
28	1	WJNZ2	110	R1b St William	R1b St William	1	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
29	2	6G4W9	36356	R1b St William	R1b St William	9	32	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																										
30	3	7T2GC	111	R1b St William	R1b St William	10	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
31	4	99EX6	108	R1b St William	R1b St William	11	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
32	5	ETWDA	109	R1b St William	R1b St William	2	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
33	6	F4N9G	112	R1b St William	R1b St William	5	39	13	24	15	10	11	14	12	12	12	13	13	30	18	9	10	11	11	25	15	19	29						11	12	19	23	16						12	12		12	12	12	23	10	13	12	12	13	11	22	
34	7	F5PVB	115	R1b St William	R1b St William	13	43	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	12	19	23	16						12	12		12	11	12	23	10	13	12	12	13	11	22	
35	8	N9UFP	189	R1b St William	R1b St William	6	21	24	15	10	11	14		12	13	13	30	18	9	10		25		29	15	15	16	17		11	12																								11		
36	9	NPE2S	169562	R1b St William	R1b St William	8	37	13	24	15	10	11	14	12	12	11	13	13	30	20	9	10	11	11	25	15	19	29	15	15	16	17		11	11	19	23	17	17	17	19	36	38	12	12															
37	10	QP5FQ	156952	R1b St William	R1b St William	12	37	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															
38	1	KFDFF	187	R1b Unassigned	R1b Unassigned	2	37	13	24	14	11	11	17	12	12	11	13	13	29	16	9	10	11	11	25	15	19	29	15	15	17	17		11	11	19	23	15	15	17	17	36	38	12	12															
39	2	67SJG	134	R1b Unassigned	R1b Unassigned	12	43	13	25	14	10	11	14	12	12	12	13	13	29	17	9	10	11	11	25	15	19	30	15	15	17	18		10	11	19	23	15						12	12		12	11	12	23	10	13	11	12	13	11	22	
40	3	8QSNN	16759	R1b Unassigned	R1b Unassigned	4	94	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	12	12	11	13	23	10	13	12	12	14	32*	24	
41	4	8BUYR	169675	R1b Unassigned	R1b Unassigned	6	37	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															
42	5	C2MYV	169674	R1b Unassigned	R1b Unassigned	5	37	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															
43	6	D5A2T	133	R1b Unassigned	R1b Unassigned	8	43	13	24	14	10	11	16	12	12	12	13	13	29	17	9	10	11	11	25	15	19	29	15	15	16	16		11	12	19	23	15						12	12		12	11	13	23	10	13	12	12	13	12	22	
44	7	P8ZX3	132	R1b Unassigned	R1b Unassigned	15	43	13	24	15	11	12	15	12	12	12	13	14	29	17	9	10	11	11	25	15	19	30	15	15	17	18		10	11	19	22	17						12	12		12	11	13	24	10	13	12	12	14	10	22	
45	8	PM8WC	N10632	R1b Unassigned	R1b Unassigned	18	37	13	24	14	11	11	14	12	12	12	13	13	29	19	9	10	11	11	25	15	19	29	15	15	16	17		11	10	19	23	16	16	15	16	17	35	38	12	12															
46	9	QA294	166	R1b Unassigned	R1b Unassigned	3	43	13	23	14	11	11	14	12	13	14	13	13	28	17	9	10	11	11	25	15	19	29	15	15	16	17		10	12	19	23	16						12	12		12	11	13	23	10	13	12	12	14	11	22	
47	10	RUJB8	128	R1b Unassigned	R1b Unassigned	9	37	13	24	14	11	11	14	12	12	12	13	13	30	18	9	8	11	11	24	15	19	29	15	15	17	17		10	11	19	19	15	15	19	19	36	38	12	12															
48	11	TF6RS	150745	R1b Unassigned	R1b Unassigned	17	37	13	24	15	11	11	15	12	12	12	13	13	29	17	9	10	11	11	25	15	19	29	15	15	16	17		10	11	19	23	16	15	16	18	36	39	12	12															
49	12	VCJK8	33474	R1b Unassigned	R1b Unassigned	16	37	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															
50		C7BED		Atlantic Modal	Atlantic Modal		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	16	15	18	17	36	38	12	12	12	12	11	13	23	10	13	12	12	13	11	22	

49seq: sequence number in this file
fsec: sequence number within PDF file
ysearch: ID in ysearch
project ID: in Merrill projec
name: (private)
file name: PDF file name with raw data
haplotype
89seq; sequence number in Project Results, v.12
meas; no. of markers reported in ysearch
51 markers reported in ysearch

Raw ysearch data is in PDF files
Data here are listed in same order, for easy comparison
There are 49 tested Merrills/Merrells in ysearch, not counting Atlantic modal record C7BED.
There are 89 total records in Project Results file (v.12)

not in Merrill/Merrell Project

3UXP3	same as QA294, uncorrected ancestry values.
J8CWY	surname Robison, related to 64CZ4
6C3G6	surname Conrardy
C7BED	Atlantic Modal Haplotype
HX7F8	Nathaniel Haplotype
MA6GE	duplicate of ENSGR
mDK45	surname Murrell
PJSB4	duplicate of DDBBX, with erroneous DYS441
USTQ9	Saybrook Haplotype

plus four
plus three
plus two
plus one
minus one
minus two
minus four

H4: can't tell what nomenclature was used in ysearch
464: not all ysearch entries report 5 markers for G_Nathaniel.
shading: relative to Atlantic Modal haplotype except for G_Nathaniel and Misc
* probable error