

YSTR Average Mutation Rate Log Entries Analysis.

Source: Kerchner's YSTR Average Mutation Rate Log: <http://www.ystrlog.org/>

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Start Date: 7 Jan 2005

Data Date: 23 Mar 2008 (Acree entry added)

Surname & Group Number if Any	Submitted by:	Initial Entry Date	Last Update Date	Haplogroup	SNP Tested or Predicted Hg	Panel Sizes and Haplotype Size (HS)				Number Tested for Each Haplotype Size				UTES (births)				UMEs (mutations)				UTExHS) = Mutation Opportunities				Observed Haplotype Average Mutation Rates																						
						12	13	12	30	25	37	67	43	12	13	12	30	25	37	67	43	12	13	12	30	25	37	67	43	12	13	12	30	25	37	67	43											
Kerchner	C Kerchner	7-Jan-2005	13-Dec-2007	R1b1c	M269+ S28+	12	13	12	30	25	37	67	10	10	10	10	10	10	38	38	38	38	38	38	2	2	4	3	4	8	11	359	456	494	456	1140	950	1406	2546	0.0044	0.0040	0.0098	0.0026	0.0042	0.0057	0.0043		
Hurst	W Hurst	11-Jan-2005		R1b1	P25+	12	13	12	30	25	37	67	8	7	8	7	8	7	52	52	47	52	47	52	3	1	1	4	5	401	624	676	564	1300	1739	0.0048	0.0015	0.0018	0.0031	0.0029	0.0029	0.0029						
Humphrey	M Humphrey	11-Jan-2005		I1a1	P40+	12	13	12	30	25	37	67	4	4	4	4	4	4	24	24	24	24	24	24	0	0	2	3	0	2	243	288	312	288	600	888	0.0000	0.0000	0.0069	0.0000	0.0023	0.0000	0.0023					
Athey	W Athey	12-Jan-2005	8-Nov-2007	G2	P15+	12	13	12	30	25	37	67	20	19	19	9	19	9	134	132	68	132	132	68	7	3	13	3	10	23	16	913	1608	1716	1584	2040	3300	4884	4556	0.0044	0.0017	0.0062	0.0015	0.0030	0.0047	0.0035		
Stillman	A Stillman	14-Jan-2005		G2	P15+	12	13	12	30	25	37	67	6	6	6	6	6	6	37	37	37	37	37	37	0	0	5	0	5	324	444	481	444	925	1369	0.0000	0.0000	0.0113	0.0000	0.0037	0.0000	0.0037						
Laudenslager	C Kerchner	19-Jan-2005		R1b1	P25+	12	13	12	30	25	37	67	4	4	4	4	4	4	36	36	36	36	36	36	1	1	2	2	4	309	432	468	432	900	1332	0.0023	0.0021	0.0046	0.0022	0.0030	0.0030	0.0030						
Barlow/Goff (G2)	P Goff	12-Mar-2005	8-Jul-2007	I1a	Predicted	12	13	12	30	25	37	67	2	2	2	2	2	2	9	9	9	9	9	9	0	0	1	1	0	1	2	156	108	117	108	270	225	333	603	0.0000	0.0000	0.0093	0.0037	0.0000	0.0030	0.0033		
Harvey	W Harvey	14-Mar-2005		E3b	M35+	12	13	12	30	25	37	67	2	2	2	2	2	2	11	11	11	11	11	11	0	0	0	0	0	164	132	143	132	275	407	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Harper	M Harper	31-May-2005		R1a	SNP Tested	12	13	12	30	25	37	67	6	6	6	6	6	6	27	27	27	27	27	27	1	2	5	3	8	283	324	351	324	675	999	0.0031	0.0057	0.0154	0.0044	0.0080	0.0044	0.0080						
Oliver	W Oliver	1-Jun-2005		I1a	P19+	12	13	12	30	25	37	67	13	9	8	9	8	8	56	48	45	48	45	48	1	1	3	2	5	400	672	624	540	1200	1665	0.0015	0.0016	0.0056	0.0017	0.0030	0.0017	0.0030						
Hart	L Hart	15-Jun-2005		R1b	Predicted	12	13	12	30	25	37	67	6	6	6	6	6	6	59	59	59	59	59	59	3	5	8	8	16	464	708	767	708	1475	2183	0.0042	0.0065	0.0113	0.0054	0.0073	0.0054	0.0073						
MacDonald	D MacDonald	16-Jun-2005		R1a	SNP Tested	12	13	12	30	25	37	67	8	8	8	8	8	8	124	124	124	124	124	124	3	7	9	10	19	807	1488	1612	1488	3100	4588	0.0020	0.0043	0.0060	0.0032	0.0041	0.0032	0.0041						
Bolt	K Borges	1-Jul-2005		R1b	Predicted	12	13	12	30	25	37	67	4	4	4	4	4	4	27	27	27	27	27	27	1	1	2	2	4	264	324	351	324	675	999	0.0031	0.0028	0.0062	0.0030	0.0040	0.0030	0.0040						
Carpenter	J Chandler	21-Sep-2005		R1a	Predicted	12	13	12	30	25	37	67	8	7	6	7	6	6	83	75	65	75	65	65	1	4	9	5	14	529	996	975	780	1875	2405	0.0010	0.0041	0.0115	0.0027	0.0058	0.0027	0.0058						
Carpenter (G12)	J Chandler	21-Sep-2005		R1b	Predicted	12	13	12	30	25	37	67	3	2	2	2	2	2	4	3	3	3	3	3	0	1	0	1	1	129	48	39	36	75	111	0.0000	0.0256	0.0000	0.0133	0.0090	0.0044	0.0032						
Owen (G1)	W Athey	29-Sep-2005	26-Nov-2007	J2	M172+	12	13	12	30	25	37	67	6	6	4	6	4	4	45	45	34	45	34	45	0	5	0	5	4	342	504	585	408	1125	1258	0.0000	0.0085	0.0000	0.0044	0.0032	0.0044	0.0032						
Davenport	W Davenport	30-Sep-2005		R1b1c*	SNP Tested	12	13	12	30	25	37	67	6	6	5	6	5	5	53	53	45	53	45	53	0	1	1	2	2	381	636	689	540	1325	1665	0.0000	0.0015	0.0019	0.0008	0.0012	0.0008	0.0012						
Blair	J Blair	11-Oct-2005		R1b	Predicted	12	13	12	30	25	37	67	6	6	4	6	4	4	17	17	13	17	13	17	2	0	0	2	2	208	204	221	156	425	481	0.0098	0.0000	0.0000	0.0047	0.0042	0.0047	0.0042						
Rutledge	W Athey	20-Oct-2005		R1b	Predicted	12	13	12	30	25	37	67	6	5	5	5	5	5	22	22	22	22	22	22	1	1	1	2	3	242	264	286	264	550	814	0.0038	0.0035	0.0038	0.0036	0.0037	0.0036	0.0037						
Corson	M Corson	21-Oct-2005		R1b	Predicted	12	13	12	30	25	37	67	43	5	5	5	5	5	3	22	22	22	22	22	25	1	1	2	3	1	0	209	216	234	216	450	666	0.0000	0.0043	0.0046	0.0022	0.0030	0.0022	0.0030				
Bartlebaugh	E Bartlebaugh-Sch	6-Jan-2006		R1b	Predicted	12	13	12	30	25	37	67	3	3	3	3	3	3	18	18	18	18	18	18	0	1	1	1	2	2	0	216	234	216	450	666	0.0000	0.0043	0.0046	0.0022	0.0030	0.0022	0.0030					
Ivey	J Ivey	20-May-2006		E3a	P1+	12	13	12	30	25	37	67	7	7	6	7	6	6	16	16	15	16	15	16	1	1	1	2	3	218	192	208	180	400	555	0.0052	0.0048	0.0056	0.0050	0.0054	0.0050	0.0054						
Mumma	D Mumma	21-Jun-2006		R1b1	P25+	12	13	12	30	25	37	67	50	50	50	50	50	50	277	277	277	277	277	277	10	17	19	27	46	1853	3324	3601	3324	6925	10249	0.0030	0.0047	0.0057	0.0039	0.0045	0.0039	0.0045						
Wiate	S Wiate-Langley	28-Jun-2006		I1a	Predicted	12	13	12	30	25	37	67	10	10	9	10	9	9	78	78	70	78	70	78	0	3	4	3	7	538	836	1014	840	1950	2590	0.0000	0.0030	0.0048	0.0015	0.0027	0.0015	0.0027						
Whitmore	H Whitmore	24-Jul-2006		R1b1	Predicted	12	13	12	30	25	37	67	6	6	6	6	6	6	44	44	44	44	44	44	1	0	4	1	5	360	528	572	528	1100	1628	0.0019	0.0000	0.0076	0.0009	0.0031	0.0009	0.0031						
Ewing (G4)	D Ewing	18-Aug-2006	31-Oct-2007	-R1b1c7	P25+	12	13	12	30	25	37	67	12	12	12	12	12	12	76	76	76	76	76	76	2	1	8	3	11	564	912	988	912	1900	2812	0.0022	0.0010	0.0088	0.0016	0.0039	0.0016	0.0039						
Carr	J Carr	30-Oct-2006		R1b1c	M229+	12	13	12	30	25	37	67	43	5	5	5	5	5	9	19	19	19	19	16	1	1	1	2	3	0	177	132	143	132	275	407	0.0076	0.0070	0.0076	0.0073	0.0074	0.0073	0.0074					
Fergusson (G1)	C Fergusson	30-Nov-2006		R1b1c7	M222+	12	13	12	30	25	37	67	3	3	3	3	3	3	11	11	11	11	11	11	1	1	1	2	3	177	132	143	132	275	407	0.0076	0.0070	0.0076	0.0073	0.0074	0.0073	0.0074						
Fergusson (G2)	C Fergusson	1-Dec-2006		R1b1c	M269+	12	13	12	30	25	37	67	4	4	4	4	4	4	27	27	27	27	27	27	1	1	5	2	7	270	324	351	324	675	999	0.0031	0.0028	0.0154	0.0030	0.0070	0.0030	0.0070						
Butler (Group H)	J Butler	26-Mar-2007		R1b1	Predicted	12	13	12	30	25	37	67	37	19	19	19	19	19	91	91	91	91	91	91	11	11	11	11	11	158	158	158	158	3367	3367	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Butler (Group G)	J Butler	21-Apr-2007		R1b1	Predicted	12	13	12	30	25	37	67	37	19	19	19	19	19	28	28	28	28	28	28	4	4	4	4	4	74	1036	1036	1036	2288	2288	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vick	L Vick	11-May-2007	23-Oct-2007	Q*	M242+ MEH2+ P36+	12	13	12	30	25	37	67	22	19	17	10	19	17	10	150	135	121	67	135	121	67	2	7	11	4	9	18	13	902	1800	1755	1452	2010	3375	4477	4489	0.0011	0.0040	0.0076	0.0020	0.0027	0.0040	0.0029
Booher	B Grider	11-May-2007		G2	Predicted	12	13	12	30	25	37	67	5	4	4	4	4	4	26	23	23	23	23																									