

Supplemental Table 1. Allele frequencies across African populations for alleles discussed in the text

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Population	Sample Size	Frequency of $\Delta 32$	Reference
African Pygmies	51	0	ALFRED
Baka	63	0	ALFRED
Beninese	26	0	ALFRED
Biaka	69	0	ALFRED
Biaka	35	0	ALFRED
Bidjuki	40	0	ALFRED
Central African	52	0	ALFRED
Chagga	45	0	ALFRED
Egyptians	46	0	ALFRED
ESN	99	0	1000 Genomes
Gambian	56	0	ALFRED
Guinean	50	0	ALFRED
Hausa	38	0	ALFRED
Ibo	48	0	ALFRED
Ivoirian	87	0	ALFRED
Jews, Ethiopian	29	0	ALFRED
Kako	21	0	ALFRED
Kenyan	80	0	ALFRED
Lisongo	11	0	ALFRED
LWK	99	0	1000 Genomes
Maasai	11	0	ALFRED
MAG	113	0	1000 Genomes
Malawian	80	0	ALFRED
Mbuti	39	0	ALFRED
Mbuti	20	0	ALFRED
MSL	85	0	1000 Genomes
Nigerians	23	0	ALFRED
San, Central	36	0	ALFRED
Sanaga	37	0	ALFRED
Sao Tomeans	100	0	ALFRED
Sudanese	25	0	ALFRED
Xhosa	64	0	ALFRED
Yoruba	78	0	ALFRED
YRI	108	0	1000 Genomes
Zamane	49	0	ALFRED
Zambian	96	0	ALFRED
Zime	60	0	ALFRED
Zulu	9	0	ALFRED
Senegalese	139	0.001	ALFRED
Nigerians	111	0.005	ALFRED
Egyptians	154	0.006	ALFRED
Tunisian	145	0.010	ALFRED
Berber	42	0.012	ALFRED
Moroccans	167	0.015	ALFRED

Egyptians	72	0.021	ALFRED
Tunisian	205	0.034	ALFRED
Cape Verdean	97	0.036	ALFRED
Cape Verdean	127	0.039	ALFRED
Berber	39	0.051	ALFRED

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Population	Sample Size	Frequency of A	Reference
Amhara	24	0	AGVP
Gumuz	24	0	AGVP
Oromo	24	0	AGVP
Somali	24	0	AGVP
Wolayta	24	0	AGVP
Zulu	100	0.005	AGVP
Baganda	100	0.070	AGVP
LWK	99	0.101	1000 Genomes
MAG	113	0.115	1000 Genomes
ESN	99	0.121	1000 Genomes
MSL	85	0.124	1000 Genomes
YRI	108	0.139	1000 Genomes

rs1495741

Population	Sample Size	Frequency of A	Reference
Biaka	31	0.190	ALFRED
San	6	0.250	ALFRED
Zulu	100	0.495	AGVP
Mbuti	15	0.500	ALFRED
Yoruba	24	0.500	ALFRED
Igbo	99	0.505	AGVP
YRI	108	0.514	1000 Genomes
Jola	79	0.525	AGVP
Sotho	86	0.535	AGVP
Bantu-Speakers	12	0.540	ALFRED
MSL	85	0.541	1000 Genomes
Bantu-Speakers	8	0.560	ALFRED
Mandenka	24	0.560	ALFRED
ESN	99	0.561	1000 Genomes
MAG	113	0.566	1000 Genomes
Ga-Adangbe	100	0.590	AGVP
Wolof	78	0.596	AGVP
Baganda	100	0.600	AGVP
Mandinka	88	0.619	AGVP
Fula	74	0.622	AGVP
Gumuz	24	0.646	AGVP

Banyarwanda	100	0.655	AGVP
LWK	99	0.662	1000 Genomes
Barundi	97	0.670	AGVP
Kalenjin	100	0.730	AGVP
Kikuyu	99	0.737	AGVP
Mozabite	30	0.780	ALFRED
Amhara	42	0.821	AGVP
Oromo	26	0.827	AGVP
Somali	39	0.859	AGVP
Wolayta	24	0.938	AGVP

rs1799929

Population	Sample Size	Frequency of T	Reference
San	40	0.140	ALFRED
Yoruba	20	0.140	ALFRED
YRI	108	0.171	1000 Genomes
Igbo	99	0.182	AGVP
ESN	99	0.187	1000 Genomes
MSL	85	0.188	1000 Genomes
Ga-Adangbe	100	0.200	AGVP
Jola	79	0.215	AGVP
Zulu	100	0.220	AGVP
Hausa	20	0.250	ALFRED
Mandinka	87	0.259	AGVP
Sotho	86	0.262	AGVP
Wolof	78	0.269	AGVP
Fula	74	0.270	AGVP
Luo	16	0.270	ALFRED
Barundi	97	0.278	AGVP
MAG	113	0.283	1000 Genomes
Baganda	100	0.305	AGVP
Gumuz	24	0.313	AGVP
LWK	99	0.328	1000 Genomes
Ibo	19	0.340	ALFRED
Kalenjin	100	0.345	AGVP
Banyarwanda	100	0.350	AGVP
Kikuyu	99	0.424	AGVP
Somali	39	0.436	AGVP
Maasai	12	0.460	ALFRED
Amhara	42	0.500	AGVP
Oromo	26	0.558	AGVP
Wolayta	24	0.604	AGVP

rs2814778

Population	Sample Size	Frequency of C	Reference
Berber	25	0.040	ALFRED
Moroccans	48	0.106	ALFRED
Tunisian	44	0.148	ALFRED
Tunisian	58	0.155	ALFRED
Libya	31	0.161	ALFRED
Libya	31	0.161	ALFRED
Tunisian	44	0.171	ALFRED
Libya	67	0.202	ALFRED
Tunisian	94	0.207	ALFRED
Algerian	35	0.214	ALFRED
Tunisian	42	0.214	ALFRED
Berber	30	0.217	ALFRED
Tunisian	44	0.227	ALFRED
Mozabite	26	0.231	ALFRED
Moroccans	41	0.256	ALFRED
Tunisian	45	0.256	ALFRED
Tunisian	12	0.500	ALFRED
Amhara	24	0.521	AGVP
Oromo	24	0.583	AGVP
Wolayta	24	0.604	AGVP
Somali	8	0.625	ALFRED
Jews, Ethiopian	34	0.779	ALFRED
Zulu	100	0.800	AGVP
Bantu-Speakers	8	0.880	ALFRED
Maasai	143	0.930	ALFRED
Mbuti	37	0.973	ALFRED
Maasai	19	0.974	ALFRED
Sandawe	39	0.974	ALFRED
Somali	24	0.979	AGVP
Chagga	44	0.989	ALFRED
Biaka	69	0.993	ALFRED
Baganda	100	1	AGVP
Bantu-Speakers	12	1	ALFRED
Biaka	35	1	ALFRED
ESN	99	1	1000 Genomes
Gumuz	24	1	AGVP
Hausa	38	1	ALFRED
Ibo	47	1	ALFRED
Lisongo	7	1	ALFRED
LWK	99	1	1000 Genomes
MAG	113	1	1000 Genomes
Malinke	113	1	ALFRED
Mandenka	24	1	ALFRED
MSL	85	1	1000 Genomes
San	7	1	ALFRED
Yoruba	76	1	ALFRED
Zaramo	39	1	ALFRED
YRI	108	0.995	1000 Genomes

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Population	Sample Size	Frequency of C	Reference
ESN	99	0.187	1000 Genomes
Sotho	86	0.198	AGVP
Mandinka	88	0.205	AGVP
Gumuz	24	0.208	AGVP
MAG	113	0.226	1000 Genomes
Igbo	98	0.235	AGVP
Baganda	100	0.255	AGVP
MSL	85	0.265	1000 Genomes
LWK	99	0.278	1000 Genomes
YRI	108	0.282	1000 Genomes
Jola	79	0.285	AGVP
Kalenjin	100	0.330	AGVP
Barundi	97	0.351	AGVP
Kikuyu	99	0.364	AGVP
Banyarwanda	99	0.389	AGVP
Somali	39	0.423	AGVP
Wolayta	24	0.438	AGVP
Amhara	42	0.488	AGVP
Oromo	26	0.596	AGVP

Key: ESN- Esan in Nigeria; LWK- Luhya in Webuye, Kenya; MAG- Gambian in Western Division, Mandinka; MSL- Mende in Sierra Leone; YRI- Yoruba in Ibadan, Nigeria

References**1000 Genomes**

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AGVP

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ALFRED

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