

Genetic signatures of strong recent positive selection at the lactase gene

**Table 1**

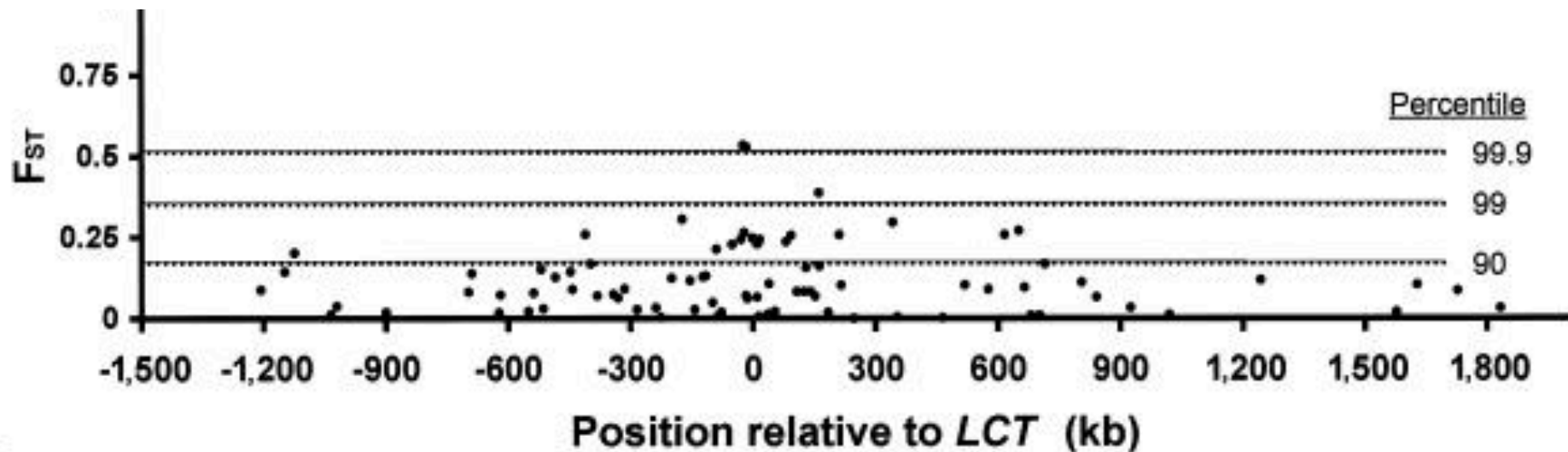
Frequencies in Different Populations of Two Alleles Associated with Lactase Persistence

POPULATION GROUP (REGION AND/OR COUNTRY)	NO. OF CHROMOSOMES	FREQUENCY (%) FOR	
		-13910T	-22018A
European American	48	77.2	77.1
African American	100	14.0	13.3
East Asian	35	0	0
Yoruba (Nigeria)	50	0	0
Bantu Northeast (Kenya)	24	0	0
San (Namibia)	14	0	0
Bantu (South Africa)	16	0	0
Mozabite (Mzab, Algeria)	60	21.7	21.7
Bedouin (Negev, Israel)	98	3.1	4.1
Druze (Carmel, Israel)	96	2.1	2.1
Palestinian (Central Israel)	102	3.9	3.9
Brahui (Pakistan)	50	34.0	38.0
Balochi (Pakistan)	50	36.0	42.0
Hazara (Pakistan)	50	8.0	12.0
Makrani (Pakistan)	50	34.0	36.0
Sindhi (Pakistan)	50	32.0	30.0
Pathan (Pakistan)	50	30.0	32.0
Kalash (Pakistan)	50	0	0
Burusho (Pakistan)	50	10.0	12.0
Han (China)	90	0	0
Tujia (China)	20	0	0
Yizu (China)	20	0	0
Miaozu (China)	20	0	0
Oroqen (China)	20	0	0
Daur (China)	20	5.0	5.0
Mongola (China)	20	10.0	10.0
Hezhen (China)	20	0	0

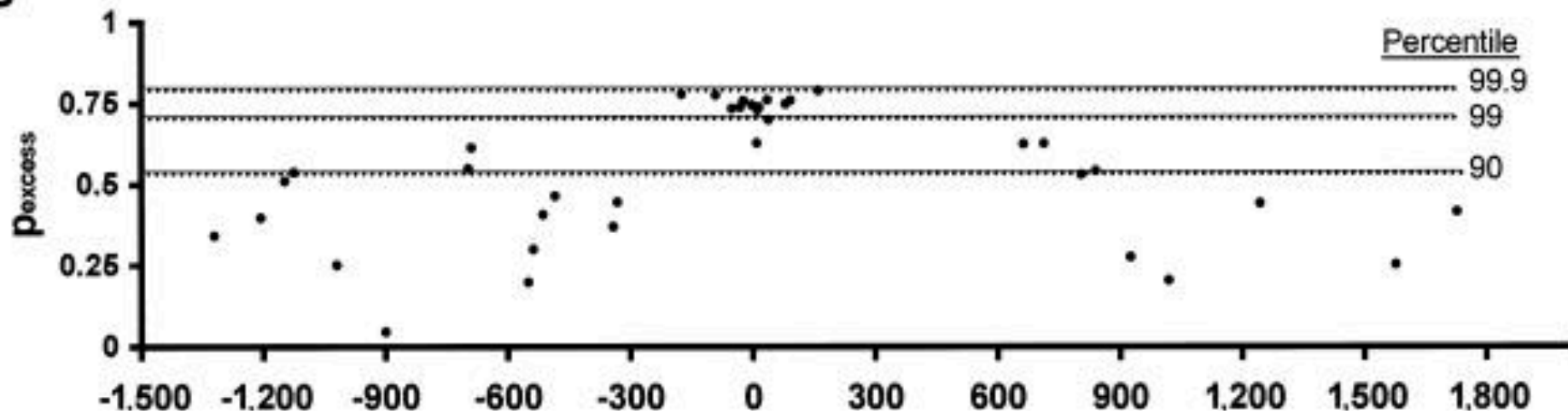
**Table A2** $F_{ST}$  and  $p_{\text{excess}}$  for 101 SNPs around *LCT*

SNP ID	COORDINATE <sup>a</sup>	ALLELE <sup>b</sup>	FREQUENCY (%) IN			VALUE FOR	
			European Americans	African Americans	East Asians	$F_{ST}$	$p_{\text{excess}}$
rs1531957	134781635	T	21.3	8.2	26.5	0.03	...
rs1996589	134887524	T	68.8	33.0	60.0	.09	.42
rs1257168	134986220	A	40.4	7.1	18.2	.10	...
rs1257220	135037675	A	17.7	16.0	31.4	.02	.25
rs842360	135370213	C	34.4	46.8	76.5	.12	.44
rs1942043	135577820	C	3.1	5.1	6.1	0	...
rs749017	135595987	G	30.0	44.8	30.6	.01	.20
rs766271	135689459	C	55.4	30.6	46.3	.03	.28
rs2322254	135773177	C	19.8	35.0	51.4	.07	.54
rs1551497	135809970	C	15.0	47.8	16.1	.11	.53
rs1031575	135880258	G	3.1	1.0	2.9	0	...
rs2290518	135901142	G	85.4	42.0	80.0	.17	.63
rs2305594	135912936	C	9.4	6.1	15.7	.01	...
rs4954222	135934583	G	9.4	6.1	15.7	.01	...
rs2305247	135950620	T	2.1	20.0	1.4	.10	...
rs2305248	135950640	A	85.4	40.4	81.8	.19	.62
rs935612	135963831	A	88.5	42.0	92.6	.27	...
rs4954228	135998826	A	89.6	43.0	91.2	.26	...
rs4954231	136038842	T	8.1	32.0	7.6	.09	...
rs737388	136095539	C	2.1	21.0	1.4	.10	...
rs1469950	136150582	G	4.9	1.2	1.7	0	...
rs2118395	136223648	T	7.4	4.0	7.1	0	...
rs4954259	136260322	A	4.1	0	3.1	0	...
rs1370533	136272613	C	94.8	43.9	91.4	.30	...
rs984763	136367366	A	2.5	4.0	7.10	.00	...
rs2034277	136399322	C	0	15.6	0	.10	...

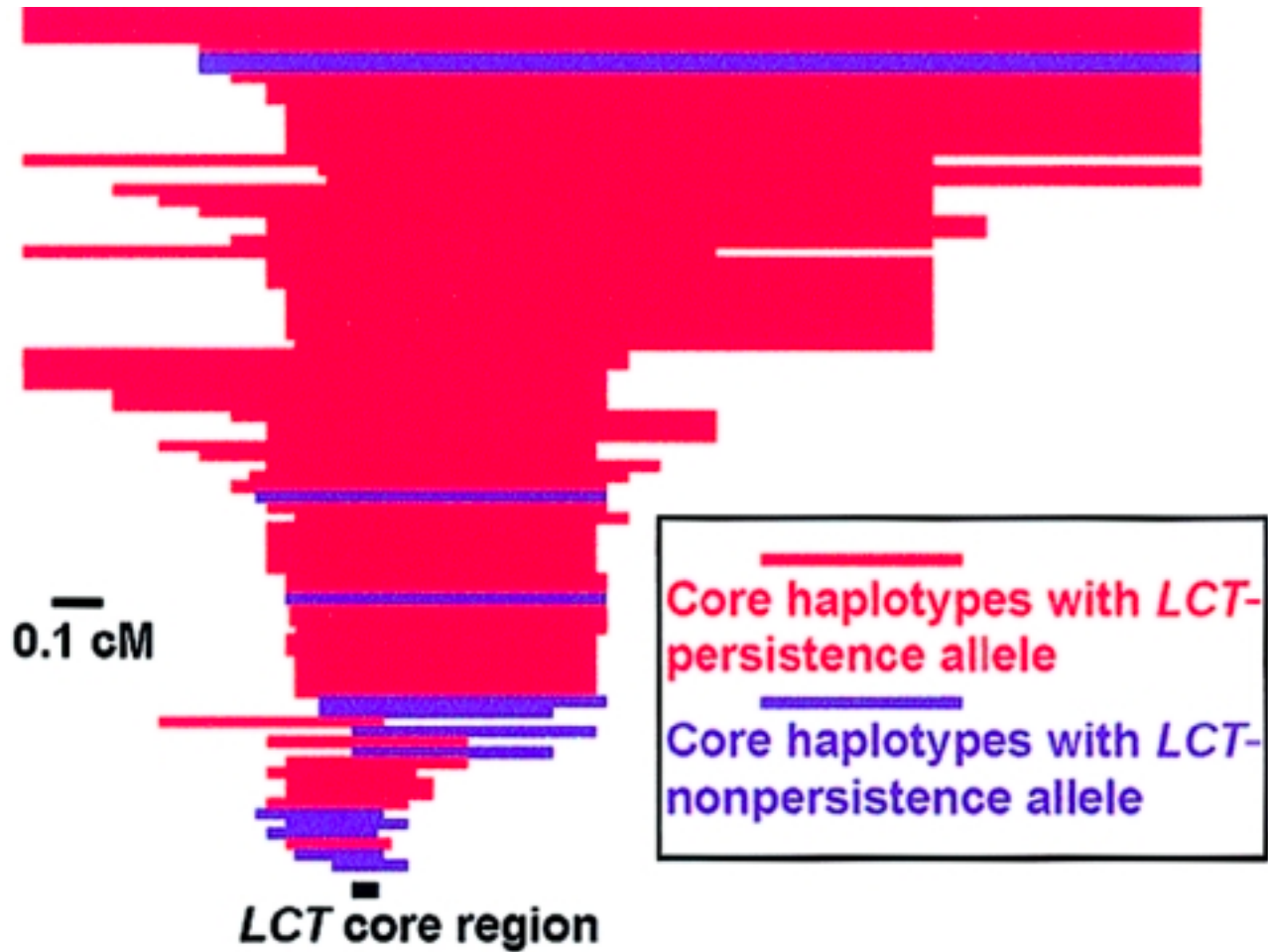
# Figure 1



**B**



# Figure 2



# Figure 3

