

Table S7: LD estimates in six model-based individual population groups and entire population as well as across eight chromosomes

Population groups	Global				Linked			Unlinked		
	Number of marker-pairs used	^a Number of significant marker-pairs in LD	^b Significant LD (%)	Extent of LD (r^2)	Number of significant marker-pairs in LD	Significant LD (%)	Extent of LD (r^2)	Number of significant marker-pairs in LD	Significant LD (%)	Extent of LD (r^2)
POP I	384117	949	2.47	0.25	179383	46.7	0.30	8182	2.13	0.22
POP II	384123	30768	80.1	0.20	337260	87.8	0.28	264661	68.9	0.18
POP III	384117	6876	1.79	0.27	158640	41.3	0.33	6261	1.63	0.25
POP IV	384108	14673	3.82	0.25	213948	55.7	0.27	13636	3.55	0.23
POP V	384122	6148	1.61	0.23	149423	38.9	0.28	5839	1.52	0.21
POP VI	384098	5531	1.44	0.19	128673	33.5	0.25	5070	1.32	0.17
Total population groups	384126	64572	16.81	0.22	163638	42.6	0.30	54277	14.13	0.20

Chromosomes	Linked			
	Number of marker-pairs used	Number of significant marker-pairs in LD	Significant LD (%)	Extent of LD (r^2)
CaChr01	5229	4983	95.3	0.26
CaChr02	4679	4464	95.4	0.28
CaChr03	7064	5658	80.1	0.31
CaChr04	5229	5198	99.4	0.28
CaChr05	7064	6054	85.7	0.30
CaChr06	6422	4373	68.1	0.27
CaChr07	5810	5595	96.3	0.40
CaChr08	4679	3977	85.0	0.29
Total chromosomes	5089	4361	85.6	0.31

^aPercentage of microsatellite and SNP marker locus-pairs in significant ($P < 0.001$) LD

^bSignificant threshold ($P < 0.001$) at which pair-wise LD estimates is significant statistically