

**TABLE S2****Squared correlation coefficient ( $R^2$ ) between pairs of sites in the 149 SNP data set where  $R^2$  is  $> 0.2$** 

LocusName1	LocusName2	$R^2$
61SNP	17SNP	1.000
69SNP	32SNP	0.949
138SNP	125SNP	0.935
68SNP	31SNP	0.894
87SNP	85SNP	0.894
149SNP	147SNP	0.830
101SNP	98SNP	0.818
99SNP	98SNP	0.814
101SNP	99SNP	0.803
102SNP	98SNP	0.792
102SNP	101SNP	0.781
102SNP	99SNP	0.778
74SNP	41SNP	0.745
94SNP	87SNP	0.704
29SNP	28SNP	0.694
94SNP	85SNP	0.682
27SNP	26SNP	0.669
135SNP	126SNP	0.651
67SNP	46SNP	0.626
137SNP	127SNP	0.624
62SNP	16SNP	0.571
83SNP	79SNP	0.566
20SNP	14SNP	0.560
43SNP	38SNP	0.558
67SNP	50SNP	0.553
134SNP	128SNP	0.549
115SNP	114SNP	0.544
50SNP	46SNP	0.542
55SNP	54SNP	0.530
67SNP	51SNP	0.496
51SNP	50SNP	0.490
51SNP	46SNP	0.486
141SNP	140SNP	0.480
134SNP	126SNP	0.480
135SNP	134SNP	0.476
6SNP	5SNP	0.464
147SNP	120SNP	0.454
70SNP	41SNP	0.454
128SNP	126SNP	0.453
135SNP	128SNP	0.449
37SNP	36SNP	0.448

74SNP	70SNP	0.446
149SNP	120SNP	0.443
28SNP	27SNP	0.443
34SNP	31SNP	0.439
12SNP	9SNP	0.427
68SNP	34SNP	0.423
143SNP	142SNP	0.420
29SNP	27SNP	0.418
51SNP	48SNP	0.416
149SNP	148SNP	0.412
117SNP	22SNP	0.405
148SNP	147SNP	0.397
67SNP	48SNP	0.391
145SNP	5SNP	0.390
48SNP	46SNP	0.383
50SNP	48SNP	0.372
105SNP	104SNP	0.371
106SNP	105SNP	0.364
7SNP	6SNP	0.364
83SNP	81SNP	0.354
137SNP	136SNP	0.337
28SNP	26SNP	0.336
29SNP	26SNP	0.322
137SNP	125SNP	0.301
138SNP	137SNP	0.301
81SNP	79SNP	0.299
136SNP	127SNP	0.297
91SNP	87SNP	0.296
127SNP	125SNP	0.288
138SNP	127SNP	0.288
88SNP	80SNP	0.280
124SNP	123SNP	0.260
89SNP	87SNP	0.256
89SNP	85SNP	0.254
131SNP	124SNP	0.241
42SNP	40SNP	0.235
94SNP	91SNP	0.232
73SNP	42SNP	0.229

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