

**Table S4.** Identity-by-state values describing the pairwise comparisons to estimate the genetic distance among the genotypes. Lower values indicated higher genetic distances. The white color indicates missing values in the analysis.

	E7	E11	E20	E36	E42	E45	E48	E55	E109	PDVIT	LA2662	LA3120
E7	1											
E11	0.76	1										
E20	0.97	0.76	1									
E36	0.96	-	0.96	1								
E42	0.66	-	0.65	0.66	1							
E45	0.96	0.77	0.95	0.96	0.65	1						
E48	0.96	0.76	0.96	0.98	0.66	0.96	1					
E55	0.82	0.71	0.82	0.83	0.66	0.83	0.84	1				
E109	0.84	0.85	0.84	-	-	0.84	0.84	0.75	1			
PDVIT	0.61	-	0.61	0.61	0.54	0.61	0.61	0.63	-	1		
LA2662	0.94	-	0.95	0.95	0.66	0.96	0.95	0.82	-	0.61	1	
LA3120	0.94	-	0.96	0.96	0.66	0.95	0.96	0.83	-	0.61	0.95	1