Table 2 Estimation of max-likelihood value (MLV) and Akaike information criterion (AIC) value of the different inheritance models

Model	Implication of model	MLV	AIC value
A-1	1 MG-AD	186.35	-364.69
A-2	1 MG-A	182.79	-359.58
A-3	1 MG-EAD	83.32	-160.65
A-4	1 MG-AEND	44.96	-83.92
B-1	2 MG-ADI	213.03	-406.05
B-2	2 MG-AD	194.18	-376.36
B-3	2 MG-A	169.01	-330.01
B-4	2 MG-EA	178.76	-351.52
B-5	2 MG-AED	99.78	-191.56
B-6	2 MG-EEAD	100.11	-194.23
C-0	PG-ADI	201.99	-383.98
C-1	PG-AD	189.95	-365.91
D-0	MX1-AD-ADI	201.98	-379.97
D-1	MX1-AD-AD	219.39	-402.78
D-2	MX1-A-AD	213.57	-397.13
D-3	MX1-EAD-AD	201.99	-387.97
D-4	MX1-AEND-AD	205.74	-395.49
<u>E-0</u>	MX2-ADI-ADI	<u>214.72</u>	<u>-411.44</u>
<u>E-1</u>	MX2-ADI-AD	<u>214.72</u>	<u>-413.44</u>
E-2	MX2-AD-AD	198.74	-375.48
E-3	MX2-A-AD	197.17	376.35
E-4	MX2-EA-AD	190.19	-364.39
E-5	MX2-AED-AD	197.67	-377.35

Note: MG: Major gene model; MX: Mixed major gene and polygene model; PG: Polygene model; A: Additive effect; D: Dominant effect; I: Interaction; N: Negative; E: Equal