

Table S1 The quality of sequenced data from three parents, L-pool and S-pool

Sample	Clean read	Mapped reads	Mapping rate (%)	depth (X)	Coverage at least 1X (%)	Coverage at least 4X (%)	Q20 (%)
1811	141,050,590	139,185,058	98.68	16.24	89.82	87.89	96.92
1825	161,299,974	160,008,164	99.20	18.99	90.21	88.58	97.18
1836	142,935,138	141,796,168	99.20	14.58	90.09	87.88	96.70
L-1	213,886,920	212,644,079	99.42	25.14	90.63	89.28	97.22
S-1	210,389,398	209,243,495	99.46	22.74	90.58	89.16	97.52
L-2	221,083,628	221,083,628	99.49	26.50	90.59	89.33	97.35
S-2	216,666,597	216,666,597	99.46	26.04	90.62	89.32	97.44