

Table S5 Genetic information of the parental lines of population 4

Lines of population 4	Generation of parental lines	Sources
pop4_5974	F ₃	Hybrid variety ²
pop4_5893	F ₄	Hybrid variety ²
pop4_5899	F ₄	Hybrid variety ²
pop4_5903	F ₄	Hybrid variety ²
pop4_5907	F ₄	Hybrid variety ²
pop4_5915	F ₄	Hybrid variety ²
pop4_5918	F ₄	Hybrid variety ²
pop4_5925	F ₄	Hybrid variety ²
pop4_5930	F ₄	Hybrid variety ²
pop4_5954	F ₄	Hybrid variety ²
pop4_5958	F ₄	Hybrid variety ²
pop4_5962	F ₄	Hybrid variety ²
pop4_5966	F ₄	Hybrid variety ²
pop4_5978	F ₄	Hybrid variety ²
pop4_5982	F ₄	Hybrid variety ²
pop4_5991	F ₄	Hybrid variety ²
pop4_5994	F ₄	Hybrid variety ²
pop4_5999	F ₄	Hybrid variety ²
pop4_6003	F ₄	Hybrid variety ²
pop4_6014	F ₄	Hybrid variety ²
pop4_5895	F ₅	Hybrid variety ²
pop4_5910	F ₅	Hybrid variety ²
pop4_5922	F ₅	Hybrid variety ²
pop4_5939	F ₅	Hybrid variety ²
pop4_5942	F ₅	Hybrid variety ²
pop4_5946	F ₅	Hybrid variety ²
pop4_5950	F ₅	Hybrid variety ²
pop4_5971	F ₅	Hybrid variety ²
pop4_5986	F ₅	Hybrid variety ²
pop4_6007	F ₅	Hybrid variety ²
pop4_6010	F ₅	Hybrid variety ²
pop4_6019	F ₅	Hybrid variety ²
pop4_6023	F ₅	Hybrid variety ²
pop4_6046	F ₅	Hybrid variety ²
pop4_6055	F ₅	Hybrid variety ²
pop4_6059	F ₅	Hybrid variety ²
pop4_6067	F ₅	Hybrid variety ²
pop4_6071	F ₅	Hybrid variety ²

pop4_6089	F ₅	Hybrid variety ²
pop4_5810	F _n ¹	Hybrid variety ²
pop4_5814	F _n	Hybrid variety ²
pop4_5819	F _n	Hybrid variety ²
pop4_5823	F _n	Hybrid variety ²
pop4_5827	F _n	Hybrid variety ²
pop4_5831	F _n	Hybrid variety ²
pop4_5834	F _n	Hybrid variety ²
pop4_5838	F _n	Hybrid variety ²
pop4_5842	F _n	Hybrid variety ²
pop4_5846	F _n	Hybrid variety ²
pop4_5850	F _n	Hybrid variety ²
pop4_5854	F _n	Hybrid variety ²
pop4_5858	F _n	Hybrid variety ²
pop4_5862	F _n	Hybrid variety ²
pop4_5866	F _n	Hybrid variety ²
pop4_5870	F _n	Hybrid variety ²
pop4_5874	F _n	Hybrid variety ²
pop4_5878	F _n	Hybrid variety ²
pop4_5882	F _n	Hybrid variety ²
pop4_5886	F _n	Hybrid variety ²
pop4_5935	F _n	Hybrid variety ²
pop4_6026	F _n	Hybrid variety ²
pop4_6031	F _n	Hybrid variety ²
pop4_6051	F _n	Hybrid variety ²
pop4_6062	F _n	Hybrid variety ²
pop4_6074	F _n	Hybrid variety ²
pop4_6078	F _n	Hybrid variety ²
pop4_6083	F _n	Hybrid variety ²
pop4_5806	F _n	Hybrid variety ²

Note: Note: 1, the subscript n is an integer ≥ 6 ; 2, the parental lines were selected from different hybrid varieties.