

Table S12. The observation numbers of seed oil concentration of *X. sorbifolium* (9 replicates).

Provenance	SOC(%)	Provenance	SOC(%)	Provenance	SOC(%)	Provenance	SOC(%)
AB	59.58	OB	60.62	SX	63.39	ML	61.48
AB	59.75	OB	60.62	SX	62.9	ML	62.15
AB	59.75	OB	61	SX	63.52	ML	62.65
AB	62.34	OB	59.82	SX	62.85	ML	62.59
AB	62.65	OB	60.01	SX	62.96	ML	62.47
AB	62.97	OB	60.19	SX	62.96	ML	62.59
AB	64.41	OB	59.18	SX	62.13	ML	64.84
AB	63.89	OB	58.66	SX	62.13	ML	64.84
AB	63.89	OB	59.18	SX	61.97	ML	65

AB-Ar Horqin Banner; OB-Ongniud Banner; SX-Shanxian; ML-Mulei; SOC-seed oil concentration.