

**Table S16.** Statistic between duplicated gene and related gene.

<b>Duplicated gene class</b>	<b>Specific duplicated gene</b>	<b>Specific TE-related gene</b>	<b>TE-common gene</b>	<b>Percentage of the common gene in the duplicated gene (%)</b>
<b>DSD</b>	4272	1864	2047	32.39
<b>TRD</b>	5877	2897	1014	14.71
<b>WGD</b>	2408	3529	382	13.69
<b>TD</b>	2564	3715	196	7.10
<b>PD</b>	1170	3801	110	8.59