

**Table S3. Ka/Ks analysis of *PgUGT* duplicated genes**

Duplicated gene pairs		Duplicated type	Ka	Ks	Ka/Ks	Purifying selection
Pgr013573.1	Pgr004004.1	Segmental	0.5396443	2.49278	0.21648	Yes
Pgr014646.1	Pgr008782.1	Segmental	0.4072405	1.75570	0.23195	Yes
Pgr022566.1	Pgr025860.1	Segmental	0.3636103	2.19696	0.16550	Yes
Pgr004136.1	Pgr003390.1	Segmental	0.4051909	4.26268	0.09505	Yes
Pgr007463.1	Pgr002854.1	Segmental	0.4671641	2.61002	0.17898	Yes
Pgr022563.1	Pgr007805.1	Segmental	0.5704702	3.26339	0.17480	Yes
Pgr010381.1	Pgr025860.1	Segmental	0.4132339	2.08219	0.19846	Yes