

**S2Table.** Summary of annotations for the assembled walnut in the public databases.

DEG Set	Total DEGs	COG	GO	KEGG	NR	Swiss-Prot	eggNOG
RY vs NY	4568	1,726	2k,902	1,384	4,541	3,578	4,471
RP vs NP	3038	1,152	1,939	1,008	3,014	2,368	2,969