

**Table S9 Gene function annotation statistics**

<b>Annotation database</b>	<b>Annotated number</b>	<b>Percentage(%)</b>
GO_Annotation	14,152	38.50
KEGG_Annotation	10,007	27.23
KOG_Annotation	15,304	41.64
TrEMBL_Annotation	29,620	80.59
nr_Annotation	29,724	80.87
All_Annotated	29,890	81.32

Note: Annotated database: functional annotation database; Annotated number: the number of genes annotated to the corresponding database; Percentage (%): the percentage of genes annotated to the database in the total number of genes.