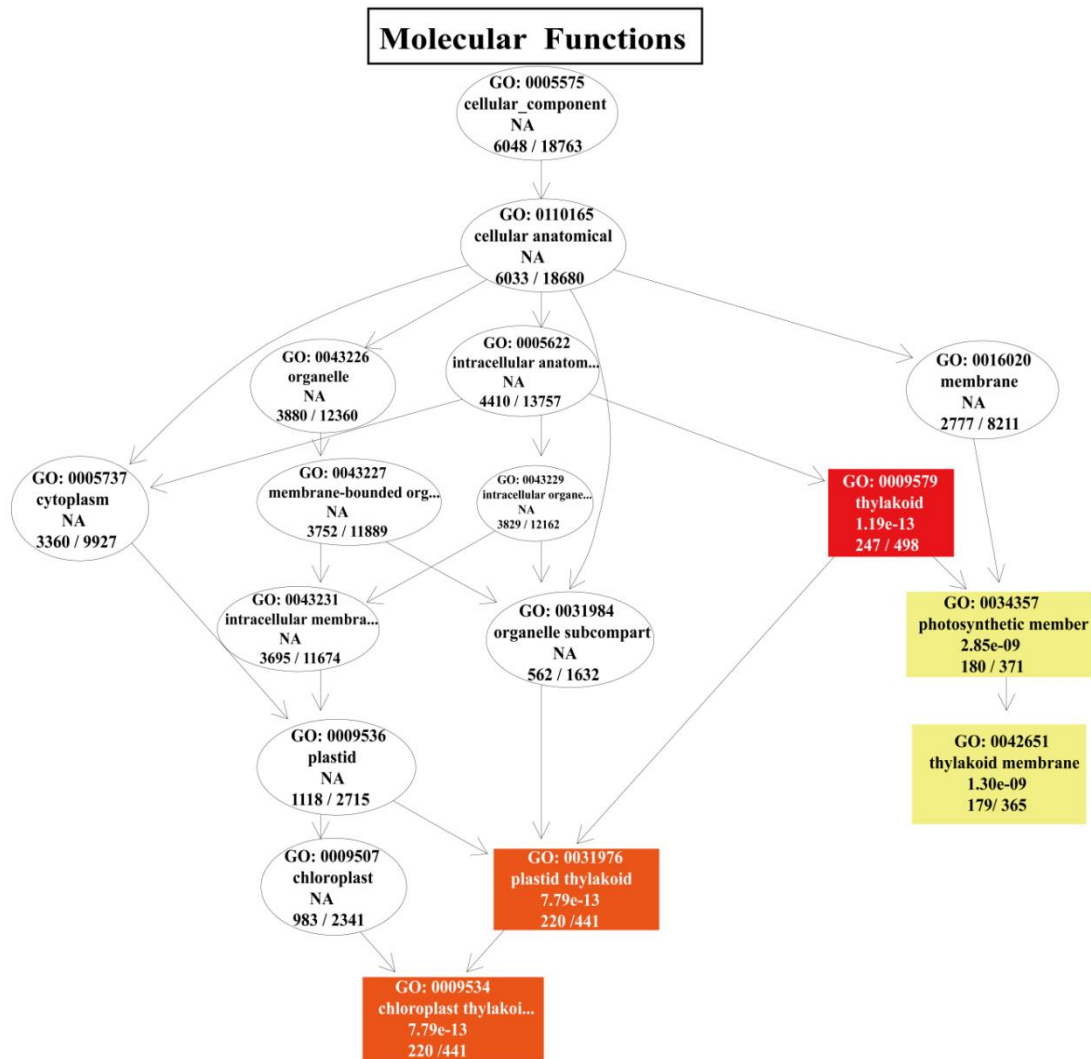


**Fig. S3.** Enriched directed acyclic graph (DAG) diagram of GO entries in Cellular Components. White represents no significance, yellow represents low significance, and red represents high significance.



**Fig. S4.** Enriched directed acyclic graph (DAG) diagram of GO entries in Molecular Functions. The colors of rectangles and ovals represent relative enrichment, ranging from bright yellow to dark red, with lower and lower P-values and higher and higher significance, while white represents insignificance.