

Table S2. Molecular function:catalytic activity.

No.	GO term	Gene Number	Percentage	Gene Name
1	transferase activity (GO:0016740)	4	30.77%	aroK, Exo, deoA, talB
2	hydrolase activity (GO:0016787)	4	30.77%	ribD, hisP, Exo, holC
3	ligase activity (GO:0016874)	1	7.69%	ydiD
4	oxidoreductase activity (GO:0016491)	1	7.69%	maoC
5	deaminase activity (GO:0019239)	1	7.69%	ribD
6	lyase activity (GO:0016829)	1	7.69%	Edd
7	isomerase activity (GO:0016853)	1	7.69%	surA