

SUPPLEMENTAL INFORMATION

*Discovery and Structure Determination of the Orphan Enzyme Isoxanthopterin Deaminase*

R. S. Hall, R. Agarwal, D. Hitchcock, J. M. Sauder, S. K. Burley, S. Swaminathan, and F. M. Raushel

Table S1: List of genes predicted to possess isoxanthopterin deaminase activity.

	Locus tag	gi	Organism
1	NYSGSRC-9339a	145580545	Unknown environmental sample of the Sargasso Sea
2	Bxe_A2016	91783796	<i>Burkholderia xenovorans</i> LB400
3	BgramDRAFT_0187	170690211	<i>Burkholderia graminis</i> C4D1M
4	KPK_2302	206579968	<i>Klebsiella pneumoniae</i> 342
5	KP1_3107	238895075	<i>Klebsiella pneumoniae</i> NTUH-K2044
6	KPN_02032	152970581	<i>Klebsiella pneumoniae</i> subsp. pneumoniae MGH 78578
7	HMPREF0023_2011	226953181	<i>Acinetobacter</i> sp. ATCC 27244
8	ACIAD1467	50084641	<i>Acinetobacter</i> sp. ADP1
9	PputW619_2587	170721762	<i>Pseudomonas putida</i> W619
10	PP_3209	26989928	<i>Pseudomonas putida</i> KT2440
11	Bmul_3605	161520154	<i>Burkholderia multivorans</i> ATCC 17616
12	BURMUCGD1_3770	221209432	<i>Burkholderia multivorans</i> CGD1
13	H16_A3380	113869328	<i>Ralstonia eutropha</i> H16
14	Bcep18194_B0632	78061482	<i>Burkholderia</i> sp. 383
15	Reut_A3081	73542765	<i>Ralstonia eutropha</i> JMP134
16	BCAM2272	206564108	<i>Burkholderia cenocepacia</i> J2315
17	BBta_1262	148252823	<i>Bradyrhizobium</i> sp. BTAi1
18	BURMUCGD2M_4109	221200399	<i>Burkholderia multivorans</i> CGD2M
19	Pfl01_3434	77459656	<i>Pseudomonas fluorescens</i> Pf0-1
20	Bphyt_7136	187921762	<i>Burkholderia phytofirmans</i> PsJN
21	RALTA_A2835	194290915	<i>Cupriavidus taiwanensis</i>
22	SIAM614_03533	118593746	<i>Stappia aggregata</i> IAM 12614
23	Mmwy1_4101	152998097	<i>Marinomonas</i> sp. MWYL1`
24	NYSGXRC-9236b	44611670	Unknown environmental sample of the Sargasso Sea