

***Pseudomonas syringae* pv. *tomoto* DC3000 (wild type) intracellular protein 2D gel map legend**

<u>Map ID</u>	<u>ACC#</u>	<u>PSPTO#</u>	<u>NCBI ACC#</u>	<u>Protein Name</u>
A1	AE016853.00554064X	PSPTO3724	gij 28870879	ATP-dependent protease La
A10	AE016853.00382031X	PSPTO1775	gij 28868981	ATP-dependent RNA helicase, DEAD box family
A11	AE016853.00024248X	PSPTO0876	gij 28868096	type III effector HopPtoD1
A12	AE016853.00076753X	PSPTO2680	gij 28869868	succinate-semialdehyde dehydrogenase
A13	AE016853.00534669X	PSPTO4412	gij 28871547	UDP-N-acetylmuramoylalanyl-D-glutamyl-2, 6-diaminopimelate--D-alanyl-D-alanyl ligase
A14	AE016853.00643306X	PSPTO0728	gij 28867956	aldehyde dehydrogenase family protein
A15	AE016853.00231108X	PSPTO2173	gij 28869376	3-isopropylmalate dehydratase, large subunit
A16	AE016853.00231108X	PSPTO2173	gij 28869376	3-isopropylmalate dehydratase, large subunit
A17	no ID			
A18	AE016853.00062507X	PSPTO2201	gij 28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
A19	AE016853.00171051X	PSPTO0165	gij 28867405	sulfatase family protein
A2	AE016853.00972479X	PSPTO0547	gij 28867775	hypothetical protein
A20	AE016853.00332475X	PSPTO0043	gij 28867284	cytidine/deoxycytidylate deaminase family protein
A21	AE016854.00009851X	PSPTOB0005	gij 29171550	phosphoesterase family protein
A22	AE016853.00358477X	PSPTO0981	gij 28868201	acetolactate synthase, large subunit, biosynthetic type
A23	AE016853.00848614X	PSPTO4795	gij 28871910	AMP nucleosidase
A24	AE016853.00037082X	PSPTO1300	gij 28868510	glucose-6-phosphate 1-dehydrogenase
A25	AE016853.00822903X	PSPTO5597	gij 28872696	UDP-N-acetylglucosamine pyrophosphorylase
A26	AE016853.00157350X	PSPTO5329	gij 28872441	carboxyl-terminal protease family protein
A27	AE016853.00638770X	PSPTO0877	gij 28868097	candidate type III effector HolPtoQ
A28	AE016853.00370769X	PSPTO1405	gij 28868613	type III helper protein HrpK(Pto)
A29	AE016853.00468654X	PSPTO4689	gij 28871819	crotonyl-CoA reductase
A3	AE016853.00393917X	PSPTO2197	gij 28869399	succinate dehydrogenase, flavoprotein subunit
A30	AE016853.00098738X	PSPTO3369	gij 28870533	NADH dehydrogenase I, F subunit
A31	AE016853.00750923X	PSPTO2595	gij 28869785	isochorismate synthase
A32	AE016853.00315033X	PSPTO5041	gij 28872155	dihydroorotase, multifunctional complex type
A32	AE016853.00036985X	PSPTO1296	gij 28868506	porin B
A33	AE016853.00827795X	PSPTO5461		acyl-CoA dehydrogenase, putative
A34	AE016853.00626829X	PSPTO1287	gij 28868497	glyceraldehyde 3-phosphate dehydrogenase, type I
A35	AE016853.00678778X	PSPTO5045	gij 28872159	twitching motility protein
A36	AE016853.00480501X	PSPTO5040	gij 28872154	aspartate carbamoyltransferase
A37	AE016853.00911925X	PSPTO2747	gij 28869934	exodeoxyribonuclease III
A38	AE016853.00115038X	PSPTO3905	gij 28871057	ATPase, AAA family
A39	AE016853.00642288X	PSPTO0766	gij 28867994	oxidoreductase, short-chain dehydrogenase/reductase family
A4	AE016853.00840088X	PSPTO5057	gij 28872170	dihydroxy-acid dehydratase
A40	AE016853.00018090X	PSPTO0656	gij 28867884	single-stranded DNA-binding protein
A41	AE016853.00984517X	PSPTO0112	gij 28867352	xanthine phosphoribosyltransferase
A42	AE016853.00043890X	PSPTO1537	gij 28868743	ribosome recycling factor
A43	AE016853.00043890X	PSPTO1537		ribosome recycling factor

A44	no ID		
A45	AE016853.00468128X	PSPTO4682	gij 28871812 coronafacic acid synthetase, dehydratase component
A46	AE016853.00535383X	PSPTO4393	gij 28871528 hypothetical protein
A47	AE016853.00858520X	PSPTO4489	gij 28871623 ribosome-binding factor A
A48	AE016853.00858520X	PSPTO4489	gij 28871623 ribosome-binding factor A
A48	AE016853.00140910X	PSPTO4793	gij 28871909 transcriptional regulator, AsnC family
A49	AE016853.00140910X	PSPTO4793	gij 28871909 transcriptional regulator, AsnC family
A5	AE016853.00375717X	PSPTO1552	gij 28868758 CTP synthase
A50	no ID		
A51	AE016853.00899976X	PSPTO3124	gij 28870297 acetyltransferase, GNAT family
A52	AE016853.00120209X	PSPTO4100	MaoC-like domain protein
A53	AE016853.00554656X	PSPTO3708	gij 28870863 FMN reductase, NADPH-dependent
A54	AE016853.00325897X	PSPTO5435	gij 28872543 secreted protein Hcp
A55	AE016853.00234983X	PSPTO2299	gij 28869499 outer membrane porin OprF
A56	AE016853.00227340X	PSPTO2115	gij 28869318 vacJ lipoprotein, putative
A57	AE016853.00101194X	PSPTO3456	gij 28870617 3-oxoacid CoA-transferase, subunit B family
A58	no ID		
A59	AE016853.00768423X	PSPTO1990	gij 28869194 adenine phosphoribosyltransferase
A6	AE016853.00880825X	PSPTO3743	gij 28870898 glutaminyl-tRNA synthetase
A60	AE016853.00142595X	PSPTO4860	gij 28871975 acetyl-CoA carboxylase, biotin carboxyl carrier protein
A61	AE016853.00367790X	PSPTO1302	gij 28868512 4-hydroxy-2-oxoglutarate aldolase/2-dehydro-3-deoxyphosphogluconate
A61	AE016853.00061325X	PSPTO2174	gij 28869377 3-isopropylmalate dehydratase, small subunit
A62	AE016855.00002269X	PSPTOA0014	gij 29171490 ATPase, ParA family
A63	AE016853.00061325X	PSPTO2174	gij 28869377 3-isopropylmalate dehydratase, small subunit
A64	AE016853.00505940X	PSPTO5292	gij 28872404 fumarylacetoacetate hydrolase family protein
A65	AE016853.00019249X	PSPTO0691	gij 28867919 riboflavin synthase, alpha subunit
A66	AE016853.00183429X	PSPTO0592	gij 28867820 anthranilate synthase, component II
A67	AE016853.00158899X	PSPTO5382	gij 28872490 acyl carrier protein phosphodiesterase, putative
A68	AE016853.00225296X	PSPTO2032	glutathione S-transferase family protein
A69	AE016853.00461470X	PSPTO4452	gij 28871587 ABC transporter, ATP-binding protein
A7	AE016853.00218331X	PSPTO1825	gij 28869030 acetyl-CoA synthetase
A70	AE016853.00931607X	PSPTO2107	gij 28869311 glycerophosphoryl diester phosphodiesterase, putative
A71	no ID		
A72	AE016853.00790084X	PSPTO1205	gij 28868418 ribosomal subunit interface protein, putative
A73	AE016853.00683087X	PSPTO4933	gij 28872047 ribosomal protein S6
A74	AE016853.00234983X	PSPTO2299	gij 28869499 outer membrane porin OprF
A75	AE016853.00683087X	PSPTO4933	gij 26991557 ribosomal protein S6
A76	AE016853.00535919X	PSPTO4377	gij 28871513 chaperonin, 10 kDa
A76	AE016853.00206687X	PSPTO1430	gij 28868637 nucleoside diphosphate kinase
A77	AE016853.00206687X	PSPTO1430	gij 28868637 nucleoside diphosphate kinase
A78	AE016853.00570173X	PSPTO3193	gij 28870362 metalloprotease, putative
A79	AE016853.00892957X	PSPTO3345	seryl-tRNA synthetase

A8	AE016853.00273416X	PSPTO3559	gij 28870719	malate synthase G
A80	AE016853.00696266X	PSPTO4438	gij 28871573	histidinol dehydrogenase
A81	AE016853.00394081X	PSPTO2200	gij 28869402	2-oxoglutarate dehydrogenase, E2 component, dihydrolipoamide succinyltransferase
A82	AE016853.00868083X	PSPTO4155	gij 28871297	argininosuccinate synthase
A83	AE016853.00173307X	PSPTO0239	gij 28867471	phosphoenolpyruvate carboxykinase
A84	AE016853.00294599X	PSPTO4339	gij 28871476	fumarate hydratase, class I, putative
A85	AE016853.00874209X	PSPTO3924	gij 28871076	malate dehydrogenase
A86	no ID			
A9	AE016853.00978473X	PSPTO0327	gij 28867558	S1 RNA binding domain protein
B1	AE016853.00138701X	PSPTO4710	gij 28871835	coronamic acid synthetase, chlorinating enzyme component, putative
B10	AE016853.00183795X	PSPTO0604	gij 28867832	N-acetyl-gamma-glutamyl-phosphate reductase
B100	AE016853.00230588X	PSPTO2161	gij 28869364	penicillin amidase family protein
B101	AE016853.00134093X	PSPTO4558	gij 28871692	dipeptide ABC transporter, periplasmic dipeptide-binding protein, putative
B102	AE016853.00913285X	PSPTO2707	gij 28869894	mannitol ABC transporter, periplasmic mannitol-binding protein
B103	AE016853.00585568X	PSPTO2701	gij 28869889	fructokinase
B104	AE016853.00532976X	PSPTO4472	gij 28871607	rod shape-determining protein MreB
B105	AE016853.00152558X	PSPTO5168	gij 28872280	fructose-1,6-bisphosphatase
B106	AE016853.00632500X	PSPTO1081	gij 28868296	dTDP-glucose 4,6-dehydratase
B107	AE016853.00061381X	PSPTO2176	gij 28869379	aspartate-semialdehyde dehydrogenase
B108	AE016853.00341919X	PSPTO0390	gij 28867620	fructose-bisphosphate aldolase, class II
B109	AE016853.00859867X	PSPTO4441		UDP-N-acetylglucosamine 1-carboxyvinyltransferase
B109	AE016853.00694631X	PSPTO4502	gij 28871636	carbamoyl-phosphate synthase, small subunit
B11	AE016853.00832535X	PSPTO5307	gij 28872419	putrescine ABC transporter, periplasmic putrescine-binding protein
B11	AE016853.00626829X	PSPTO1287	gij 28868497	glyceraldehyde 3-phosphate dehydrogenase, type I
B110	AE016853.00373081X	PSPTO1480	gij 28868687	homoserine dehydrogenase
B111	AE016853.00972479X	PSPTO0547	gij 28867775	hypothetical protein
B112	AE016853.00393917X	PSPTO2197	gij 28869399	succinate dehydrogenase, flavoprotein subunit
B113	AE016853.00142762X	PSPTO4866	gij 28871981	phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase
B114	AE016853.00202583X	PSPTO1288	gij 28868498	6-phosphogluconate dehydratase
B115	AE016853.00202583X	PSPTO1288	gij 28868498	6-phosphogluconate dehydratase
B116	AE016853.00125700X	PSPTO4290	gij 28871427	beta-glucosidase
B116	AE016853.00062507X	PSPTO2201	gij 28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
B117	AE016853.00509666X	PSPTO5162	gij 28872274	periplasmic glucan biosynthesis protein
B117	AE016853.00461962X	PSPTO4474	gij 28871609	glutamyl-tRNA(Gln) amidotransferase, A subunit
B118	AE016853.00446313X	PSPTO3885	gij 28871037	tail-specific protease
B119	AE016853.00215871X	PSPTO1746	gij 28868952	phosphoserine aminotransferase
B12	AE016853.00847975X	PSPTO4821	gij 28871936	D-alanyl-D-alanine carboxypeptidase
B120	AE016853.00697399X	PSPTO4402	gij 28871537	UDP-3-O-acyl N-acetylglucosamine deacetylase
B121	AE016853.00375323X	PSPTO1542	gij 28868748	outer membrane protein
B122	AE016853.00026372X	PSPTO0954	gij 28868174	phosphoenolpyruvate-protein phosphotransferase, EI/HPr/EIIA components
B123	AE016853.00647116X	PSPTO0554	gij 28867782	organic solvent tolerance protein, putative
B124	AE016853.00647116X	PSPTO0554	gij 28867782	organic solvent tolerance protein, putative

B125	AE016853.00110112X	PSPTO3752	gij28870907	aconitate hydratase 2
B126	AE016853.00889437X	PSPTO3462	gij28870623	TonB-dependent siderophore receptor
B127	AE016853.00397474X	PSPTO2292	gij28869492	phosphoenolpyruvate synthase
B128	AE016853.00397474X	PSPTO2292	gij28869492	phosphoenolpyruvate synthase
B129	AE016853.00198710X	PSPTO1149	gij28868364	hypothetical protein
B13	AE016853.00276182X	PSPTO3668	gij28870823	allantoicase
B13	AE016853.00183795X	PSPTO0604	gij28867832	N-acetyl-gamma-glutamyl-phosphate reductase
B130	AE016853.00394308X	PSPTO2208	gij28869410	heat shock protein HtpG
B131	AE016853.00394308X	PSPTO2208	gij28869410	heat shock protein HtpG
B132	AE016853.00916165X	PSPTO2605	gij28869795	TonB-dependent siderophore receptor, putative
B133	AE016853.00858608X	PSPTO4486	gij28871621	polyribonucleotide nucleotidyltransferase
B134	AE016853.00858608X	PSPTO4486	gij28871621	polyribonucleotide nucleotidyltransferase
B135	AE016853.00184294X	PSPTO0623	gij28867851	translation elongation factor G
B136	AE016853.00010020X	PSPTO0361	gij28867591	GTP-binding protein TypA
B137	AE016853.00887913X	PSPTO3517	gij28870678	fatty oxidation complex, alpha subunit
B138	AE016853.00478988X	PSPTO5006	gij28872120	pyruvate dehydrogenase complex, E2 component, dihydrolipoamide acetyltransferase
B139	AE016853.00872936X	PSPTO3981	gij28871126	aspartyl-tRNA synthetase
B14	AE016853.00619570X	PSPTO1528	gij28868734	tetrahydrodipicolinate succinylase, putative
B140	AE016853.00267896X	PSPTO3356	gij28870520	isocitrate dehydrogenase, NADP-dependent
B141	AE016853.00267896X	PSPTO3356	gij28870520	isocitrate dehydrogenase, NADP-dependent
B142	AE016853.00812957X	PSPTO0359	gij28867589	glutamine synthetase, type I
B143	AE016853.00812957X	PSPTO0359	gij28867589	glutamine synthetase, type I
B144	AE016853.00783664X	PSPTO1444	gij38257977	2-isopropylmalate synthase
B145	AE016853.00322836X	PSPTO5327	gij28872439	phosphoglycerate mutase, 2,3-bisphosphoglycerate-independent
B146	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
B147	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
B147	AE016853.00231108X	PSPTO2173	gij28869376	3-isopropylmalate dehydratase, large subunit
B148	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
B149	AE016853.00822779X	PSPTO5601	gij28872700	ATP synthase F1, alpha subunit
B15	AE016853.00694576X	PSPTO4504	gij28871638	dnaJ protein
B150	AE016853.00389423X	PSPTO2059	gij28869263	hypothetical protein
B151	AE016853.00828872X	PSPTO5432	gij28872540	hypothetical protein
B152	AE016853.00474493X	PSPTO4861	gij28871976	acetyl-CoA carboxylase, biotin carboxylase
B153	AE016853.00474493X	PSPTO4861	gij28871976	acetyl-CoA carboxylase, biotin carboxylase
B154	AE016853.00062507X	PSPTO2201	gij28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
B155	AE016853.00062507X	PSPTO2201	gij28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
B156	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
B157	AE016853.00761851X	PSPTO2210	gij28869412	3-oxoacyl-(acyl-carrier-protein) synthase I
B158	AE016853.00662923X	PSPTO5599	gij28872698	ATP synthase F1, beta subunit
B158	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
B159	AE016853.00393514X	PSPTO2175	gij28869378	3-isopropylmalate dehydrogenase
B16	AE016853.00954235X	PSPTO1215	gij28868428	D-isomer specific 2-hydroxyacid dehydrogenase family protein

B160	AE016853.00393514X	PSPTO2175		3-isopropylmalate dehydrogenase
B160	AE016853.00177671X	PSPTO0387	gij 28867617	phosphoglycerate kinase
B161	AE016853.00559128X	PSPTO3553	gij 28870714	4-hydroxyphenylpyruvate dioxygenase
B162	AE016853.00027462X	PSPTO0983	gij 28868203	ketol-acid reductoisomerase
B163	AE016853.00234983X	PSPTO2299	gij 28869499	outer membrane porin OprF
B164	no ID			
B165	AE016853.00505096X	PSPTO5324	gij 28872436	protein-export protein SecB
B166	AE016853.00199549X	PSPTO1171	gij 28868384	peptidyl-prolyl cis-trans isomerase, FKBP-type
B17	AE016853.00700190X	PSPTO4314	gij 28871451	formyltetrahydrofolate deformylase
B18	AE016853.00784254X	PSPTO1419	gij 28868626	inositol-1-monophosphatase
B19	AE016853.00985520X	PSPTO0066	gij 28867306	oxidative stress regulatory protein OxyR, putative
B2	AE016853.00534081X	PSPTO4433	gij 28871568	sulfate adenylate transferase, subunit 2
B20	AE016853.00600441X	PSPTO2172	gij 28869375	transcriptional regulator, LysR family
B21	AE016855.00010977X	PSPTOA0005		type III effector HopM1-1
B21			gij 29171482	avirulence protein AvrPpiB2(Pto) [Pseudomonas syringae pv. tomato str. DC3000]
B23	AE016853.00343081X	PSPTO0435	gij 28867665	methyltransferase, putative
B23	AE016853.00210828X	PSPTO1559	gij 28868765	esterase, putative
B24	AE016853.00278333X	PSPTO3733	gij 28870888	methylenetetrahydrofolate dehydrogenase/methenyltetrahydrofolate cyclohydrolase
B25	AE016853.00714918X	PSPTO3786	gij 28870941	PspA/IM30 family protein
B26	AE016853.00985209X	PSPTO0082	gij 28867322	acetylglutamate kinase
B27	AE016853.00858019X	PSPTO4503	gij 28871637	dihydrodipicolinate reductase
B28	AE016853.00062599X	PSPTO2203	gij 28869405	succinyl-CoA synthase, alpha subunit
B29	AE016853.00900266X	PSPTO3113	gij 28870286	UTP-glucose-1-phosphate uridylyltransferase
B3	AE016853.00698078X	PSPTO4376		chaperonin, 60 kDa
B3	AE016853.00138701X	PSPTO4710	gij 28871835	coronamic acid synthetase, chlorinating enzyme component, putative
B30	AE016853.00043839X	PSPTO1535	gij 28868741	translation elongation factor Ts
B31	AE016853.00109234X	PSPTO3721	gij 28870876	enoyl-(acyl-carrier-protein) reductase
B32	AE016853.00282103X	PSPTO3873	gij 28871026	septum site-determining protein MinD
B33	AE016853.00375627X	PSPTO1550	gij 28868756	acetyl-CoA carboxylase, carboxyl transferase, alpha subunit
B34	AE016853.00550750X	PSPTO3832	gij 28870986	3-oxoacyl-(acyl-carrier-protein) reductase
B35	AE016853.00358895X	PSPTO0994	gij 28868214	carbonic anhydrase
B36	AE016853.00881496X	PSPTO3726	gij 28870881	ATP-dependent Clp protease, proteolytic subunit ClpP
B37	AE016853.00957092X	PSPTO1103	gij 28868318	ribosomal 5S rRNA E-loop binding protein Ctc/L25/TL5
B38	AE016853.00101150X	PSPTO3455	gij 28870616	3-oxoacid CoA-transferase, subunit A family
B39	AE016853.00209441X	PSPTO1509	gij 28868715	adenylate kinase
B4	AE016853.00626829X	PSPTO1287	gij 28868497	glyceraldehyde 3-phosphate dehydrogenase, type I
B40	AE016853.00535962X	PSPTO4374	gij 28871510	DNA-binding response regulator ColR
B41	AE016853.00369747X	PSPTO1365	gij 28868573	glutathione S-transferase
B42	AE016853.00486675X	PSPTO5255	gij 28872367	carbonic anhydrase
B43	AE016853.00012417X	PSPTO0448	gij 28867678	glutathione S-transferase, putative
B44	AE016853.00504764X	PSPTO5338	gij 28872450	imidazoleglycerol-phosphate dehydratase
B45	AE016853.00791988X	PSPTO1130	gij 28868345	uracil phosphoribosyltransferase

B46	AE016853.00766958X	PSPTO2039	gij28869243	isochorismatase family protein
B47	AE016853.00978191X	PSPTO0341	gij28867572	thiol:disulfide interchange protein DsbA
B47	AE016853.00831790X	PSPTO5337	gij28872449	amidotransferase HisH
B5	AE016853.00371476X	PSPTO1434	gij28868641	1-hydroxy-2-methyl-2-(E)-butenyl 4-diphosphate synthase
B50	AE016853.00505096X	PSPTO5324	gij28872436	protein-export protein SecB
B51	AE016853.00804248X	PSPTO0686	gij28867914	thioredoxin
B52	AE016853.00223794X	PSPTO1981	gij28869185	chemotaxis protein CheZ
B53	AE016853.00234744X	PSPTO2287	gij28869487	methylisocitrate lyase
B54	AE016853.00061935X	PSPTO2186	gij28869388	electron transfer flavoprotein, alpha subunit
B55	AE016853.00011754X	PSPTO0420	gij28867650	rhodanese-like domain protein
B56	AE016853.00722804X	PSPTO3523		MOSC domain protein
B57	AE016853.00061935X	PSPTO2186	gij28869388	electron transfer flavoprotein, alpha subunit
B58	AE016853.00559993X	PSPTO3527	gij28870688	conserved hypothetical protein TIGR00147
B59	AE016853.00210581X	PSPTO1553	gij28868759	2-dehydro-3-deoxyphosphooctonate aldolase
B6	AE016853.00560422X	PSPTO3516	gij28870677	3-ketoacyl-CoA thiolase
B60	AE016853.00775600X	PSPTO1742	gij38372568	3-demethylubiquinone-9 3-methyltransferase
B61	AE016853.00234744X	PSPTO2287	gij28869487	methylisocitrate lyase
B62	AE016853.00216670X	PSPTO1765	gij28868971	translation elongation factor P
B63	AE016853.00547337X	PSPTO3972		tolB protein
B63	AE016853.00202948X	PSPTO1301	gij28868511	6-phosphogluconolactonase
B64	AE016853.00103686X	PSPTO3545	gij28870706	ThiJ/Pfpl family protein
B65	AE016853.00470978X	PSPTO4762	gij28871878	von Willebrand factor type A domain protein
B66	AE016853.00545743X	PSPTO4024	gij28871167	ferredoxin--NADP reductase
B67	AE016853.00591066X	PSPTO2507	gij28869700	hypothetical protein
B68	AE016853.00412863X	PSPTO2775	gij28869961	amino acid ABC transporter, periplasmic amino acid-binding protein
B69	AE016853.00481335X	PSPTO5069	gij28872182	5,10-methylenetetrahydrofolate reductase
B69	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
B7	AE016853.00472363X	PSPTO4805	gij28871920	PhoH-like protein
B70	AE016853.00976525X	PSPTO0405		peptide methionine sulfoxide reductase
B71	AE016853.00818180X	PSPTO0162	gij28867402	3-oxoadipate enol-lactone hydrolase family protein
B71	AE016853.00716937X	PSPTO3727		trigger factor
B72	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
B73	AE016853.00201673X	PSPTO1258	gij28868469	amino acid ABC transporter, ATP-binding protein
B74	AE016853.00003725X	PSPTO0127	gij28867367	alginate biosynthesis regulatory protein AlgR
B75	AE016853.00646123X	PSPTO0589	gij28867817	type III effector HopPtoC
B76	AE016853.00645888X	PSPTO0599	gij28867827	hypothetical protein
B77	AE016853.00079311X	PSPTO2758	gij28869944	oxidoreductase, short-chain dehydrogenase/reductase family
B78	AE016853.00296203X	PSPTO4380	gij28871516	oxidoreductase, short chain dehydrogenase/reductase family
B79	AE016853.00662863X	PSPTO5600	gij28872699	ATP synthase F1, gamma subunit
B8	AE016853.00326492X	PSPTO5453	gij28872559	oxidoreductase, aldo/keto reductase family
B80	AE016853.00294339X	PSPTO4331	gij28871468	type III effector HopPtoE
B81	AE016853.00368489X	PSPTO1332	gij28868540	branched-chain amino acid aminotransferase

B82	AE016853.00631749X	PSPTO1104	gij28868319	ribose-phosphate pyrophosphokinase
B83	AE016853.00476336X	PSPTO4922	gij28872036	NH(3)-dependent NAD(+) synthetase
B84	AE016853.00357667X	PSPTO0955	gij28868175	1-phosphofructokinase
B85	AE016855.00009153X	PSPTOA0008	gij29171484	partition protein, ParB family
B86	AE016853.00240425X	PSPTO2491	gij28869684	oxidoreductase, aldo/keto reductase family
B87	AE016853.00009742X	PSPTO0351	gij28867581	oxidoreductase, aldo/keto reductase family
B88	AE016853.00225515X	PSPTO2043	gij28869247	chorismate synthase
B89	AE016853.00747802X	PSPTO2711		response regulator
B9	AE016853.00600854X	PSPTO2163	gij28869366	aspartate aminotransferase
B90	AE016853.00976176X	PSPTO0412	gij28867642	hypothetical protein
B91	AE016853.00367593X	PSPTO1295	gij28868505	glucose ABC transporter, ATP-binding protein
B92	AE016853.00507435X	PSPTO5242	gij28872354	transcription termination factor Rho
B92	AE016853.00058995X	PSPTO2102	gij28869306	glyceraldehyde 3-phosphate dehydrogenase, type I
B93	AE016853.00630995X	PSPTO1136	gij28868351	malate:quinone oxidoreductase
B94	AE016853.00788585X	PSPTO1271	gij28868482	cytosol aminopeptidase
B95	AE016853.00283918X	PSPTO3958	gij28871105	hypothetical protein
B97	AE016853.00175604X	PSPTO0328	gij28867559	DNA-binding response regulator OmpR
B98	AE016853.00497253X	PSPTO5610	gij28872709	glucose-inhibited division protein A
B99	AE016853.00230588X	PSPTO2161	gij28869364	penicillin amidase family protein
C1	AE016853.00963541X	PSPTO0892	gij28868112	autotransporter, putative
C10	AE016853.00287891X	PSPTO4108	gij28871250	high-affinity branched-chain amino acid ABC transporter, periplasmic amino acid-binding protein
C11	AE016853.00052025X	PSPTO1832	gij28869037	acetylornithine delta-aminotransferase
C12	AE016853.00683469X	PSPTO4919	gij28872033	high affinity branched-chain amino acid ABC transporter, periplasmic amino acid-binding protein
C12	AE016853.00649926X	PSPTO0455	gij28867685	glutathione-independent formaldehyde dehydrogenase
C13	AE016853.00865945X	PSPTO4221	gij28871363	serine protease, MucD
C14	AE016853.00458528X	PSPTO4337	gij28871474	pyruvate kinase
C16	AE016853.00609104X	PSPTO1909	gij28869113	decarboxylase family protein
C17	AE016853.00458528X	PSPTO4337	gij28871474	pyruvate kinase
C18	AE016853.00371964X	PSPTO1449	gij28868656	inosine-5-monophosphate dehydrogenase
C19	AE016853.00788585X	PSPTO1271	gij28868482	cytosol aminopeptidase
C2	AE016853.00963541X	PSPTO0892	gij28868112	autotransporter, putative
C22	AE016853.00156409X	PSPTO5294	gij28872406	D-3-phosphoglycerate dehydrogenase
C23	AE016853.00210760X	PSPTO1558	gij28868953	alcohol dehydrogenase, class III
C23	AE016853.00049944X	PSPTO1747	gij28868764	chorismate mutase/prephenate dehydratase
C3	AE016853.00050130X	PSPTO1750	gij28868956	ribosomal protein S1
C4	AE016853.00189282X	PSPTO0829	gij28868056	clpB protein
C5	AE016853.00313551X	PSPTO5005	gij28872119	pyruvate dehydrogenase, E1 component
C6	AE016853.00313551X	PSPTO5005	gij28872119	pyruvate dehydrogenase, E1 component
C8	AE016853.00062315X	PSPTO2199	gij28869401	2-oxoglutarate dehydrogenase, E1 component
D11	AE016853.00164174X	PSPTO5542	gij28872647	periplasmic glucan biosynthesis protein, putative
D13	AE016853.00509666X	PSPTO5162	gij28872274	periplasmic glucan biosynthesis protein
D15	AE016853.00231108X	PSPTO2173	gij28869376	3-isopropylmalate dehydratase, large subunit

D16	AE016853.00698078X	PSPTO4376	gij 28871512	chaperonin, 60 kDa
D17	AE016853.00716937X	PSPTO3727	gij 28870882	trigger factor
D18	AE016855.00010185X	PSPTOA0032	gij 29171506	levansucrase
D18	AE016853.00448451X	PSPTO3987	gij 28871132	porin D
D19	AE016853.00448451X	PSPTO3987	gij 28871132	porin D
D20	AE016853.00662923X	PSPTO5599	gij 28872698	ATP synthase F1, beta subunit
D21	AE016853.00662923X	PSPTO5599	gij 28872698	ATP synthase F1, beta subunit
D22	AE016853.00859391X	PSPTO4463	gij 28871598	pmbA protein
D22	AE016853.00301343X	PSPTO4560	gij 28871694	outer membrane porin, OprD family
D22	AE016853.00234983X	PSPTO2299	gij 28869499	outer membrane porin OprF
D23	AE016853.00210641X	PSPTO1554	gij 28868760	enolase
D24	AE016853.00017783X	PSPTO0651	gij 28867879	DNA-directed RNA polymerase, alpha subunit
D26	AE016853.00036985X	PSPTO1296	gij 28868506	porin B
D27	AE016853.00837949X	PSPTO5134	gij 28872247	malic enzyme family protein
D28	AE016853.00651801X	PSPTO0383	gij 28867613	S-adenosylmethionine synthetase
D29	AE016853.00348964X	PSPTO0624	gij 28867852	translation elongation factor Tu
D29	AE016853.00234983X	PSPTO2299	gij 130681	outer membrane porin OprF
D3	AE016853.00531758X	PSPTO4505	gij 28871639	dnaK protein
D30	AE016853.00103624X	PSPTO3544	gij 28870705	hypothetical protein
D31	AE016853.00231890X	PSPTO2202	gij 28869404	succinyl-CoA synthase, beta subunit
D32	AE016853.00303079X	PSPTO4632	gij 28871764	serine hydroxymethyltransferase
D33	AE016853.00559208X	PSPTO3551	gij 28870712	homogentisate 1,2-dioxygenase
D34	AE016853.00363221X	PSPTO1150	gij 28868365	hypothetical protein
D35	AE016853.00363221X	PSPTO1150	gij 28868365	hypothetical protein
D36	AE016853.00547337X	PSPTO3972		tolB protein
D37	AE016853.00303635X	PSPTO4658	gij 28871790	hypothetical protein
D38	AE016853.00375048X	PSPTO1534	gij 28868740	ribosomal protein S2
D4	AE016853.00509666X	PSPTO5162	gij 28872274	periplasmic glucan biosynthesis protein
D40	AE016853.00394081X	PSPTO2200	gij 28869402	2-oxoglutarate dehydrogenase, E2 component, dihydrolipoamide succinyltransferase
D41	AE016853.00694499X	PSPTO4506	gij 28871640	heat shock protein GrpE
D43	AE016853.00026078X	PSPTO0944	gij 28868164	tellurium resistance protein TerD
D44	AE016853.00803645X	PSPTO0722	gij 28867950	inorganic pyrophosphatase
D45	AE016853.00192627X	PSPTO0945	gij 28868165	tellurium resistance protein TerE
D46	AE016853.00900393X	PSPTO3108	gij 28870281	alkyl hydroperoxide reductase, subunit C
D47	AE016853.00900393X	PSPTO3108	gij 28870281	alkyl hydroperoxide reductase, subunit C
D48	AE016853.00357375X	PSPTO0940	gij 28868160	tellurium resistance protein TerZ
D49	AE016853.00295719X	PSPTO4363	gij 28871499	superoxide dismutase, Fe
D5	AE016853.00125700X	PSPTO4290	gij 28871427	beta-glucosidase
D52	AE016853.00248880X	PSPTO2752	gij 28869939	thiol peroxidase
D52	AE016853.00061223X	PSPTO2170	gij 28869373	heat shock protein, Hsp20 family
D53	AE016853.00667921X	PSPTO5433	gij 28872541	hypothetical protein
D56	AE016853.00822753X	PSPTO5602	gij 28872701	ATP synthase F1, delta subunit

D58	AE016853.00184081X	PSPTO0614	gij28867842	transcription antitermination protein NusG
D59	AE016853.00318093X	PSPTO5140	gij28872253	heat shock protein HslV
D6	AE016853.00125700X	PSPTO4290	gij28871427	beta-glucosidase
D60	AE016853.00442037X	PSPTO3744	gij28870899	peptidyl-prolyl cis-trans isomerase B
D61	AE016853.00839672X	PSPTO5071	gij28872184	Ycel-like family protein
D63	AE016853.00116188X	PSPTO3955	gij28871102	AhpC/Tsa family protein
D63			gij23472341	COG1225: Peroxiredoxin [<i>Pseudomonas syringae</i> pv. <i>syringae</i> B728a]
D65	AE016853.00193750X	PSPTO0982	gij28868202	acetolactate synthase, small subunit
D66	AE016853.00061223X	PSPTO2170	gij28869373	heat shock protein, Hsp20 family
D67	AE016854.00000035X	PSPTOB0003	gij29171549	hypothetical protein
D70	no ID			
E1	no ID			
E10	AE016853.00182689X	PSPTO0568	gij28867796	anthranilate synthase, component I
E11	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
E12	AE016853.00737008X	PSPTO3035	gij28870211	phosphoglucomutase, alpha-D-glucose phosphate-specific
E13	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
E14	AE016853.00830467X	PSPTO5391	gij28872499	outer membrane porin, OprD family
E15	AE016853.00234983X	PSPTO2299	gij28869499	outer membrane porin OprF
E16	AE016853.00734675X	PSPTO3122	gij28870295	6-phosphogluconate dehydrogenase
E16	AE016853.00234983X	PSPTO2299		outer membrane porin OprF
E17	AE016853.00027462X	PSPTO0983	gij28868203	ketol-acid reductoisomerase
E18	AE016853.00484481X	PSPTO5179	gij28872291	pyridoxal phosphate-dependent deaminase, putative
E19	AE016853.00506233X	PSPTO5282	gij28872394	thymidylate synthase
E19	AE016853.00237069X	PSPTO2373	gij28869570	inosine/uridine-preferring nucleoside hydrolase
E2	AE016853.00110112X	PSPTO3752	gij28870907	aconitate hydratase 2
E20	no ID			
E22	no ID			
E23	AE016853.00601232X	PSPTO2156	gij28869359	renal dipeptidase family protein
E24	no ID			
E25	AE016853.00835276X	PSPTO5221	gij28872333	2-octaprenyl-3-methyl-6-methoxy-1,4-benzoquinol hydroxylase
E26	AE016853.00886857X	PSPTO3550	gij28870711	fumarylacetoacetase
E27	AE016853.00505244X	PSPTO5318	gij28872430	outer membrane porin, OprD family
E28	AE016853.00036817X	PSPTO1292	gij28868502	glucose ABC transporter, periplasmic glucose-binding protein, putative
E29	AE016853.00068411X	PSPTO2405	gij28869601	xenobiotic reductase A
E3	AE016853.00531758X	PSPTO4505	gij28871639	dnaK protein
E30	AE016853.00218860X	PSPTO1841	gij28869046	threonine aldolase, low-specificity
E31	AE016853.00605678X	PSPTO2029	gij28869233	oxidoreductase, zinc-binding
E32	AE016853.00519169X	PSPTO4897	gij28872012	curved-DNA-binding protein
E33	AE016853.00318323X	PSPTO5150	gij28872262	ubiquinone/menaquinone biosynthesis methyltransferase UbiE
E34	AE016853.00061882X	PSPTO2185	gij28869387	electron transfer flavoprotein, beta subunit
E38	AE016853.00061935X	PSPTO2186	gij28869388	electron transfer flavoprotein, alpha subunit
E39	AE016853.00170897X	PSPTO0159	gij28867399	tryptophan synthase, alpha subunit

E4	AE016853.00812957X	PSPTO0359	gij28867589	glutamine synthetase, type I
E41	no ID			
E42	AE016853.00518663X	PSPTO4914	gij28872028	oxidoreductase, short chain dehydrogenase/reductase family
E43	AE016854.00006372X	PSPTOB0021		hypothetical protein
E44	AE016853.00671413X	PSPTO5317	gij28872429	antioxidant, AhpC/Tsa family
E45	AE016853.00231890X	PSPTO2202	gij28869404	succinyl-CoA synthase, beta subunit
E46	no ID			
E48	AE016853.00333537X	PSPTO0080	gij28867320	orotate phosphoribosyltransferase
E49	no ID			
E5	no ID			
E50	AE016853.00192258X	PSPTO0929	gij28868149	glutathione S-transferase
E51	AE016853.00550750X	PSPTO3832	gij28870986	3-oxoacyl-(acyl-carrier-protein) reductase
E52	AE016853.00775117X	PSPTO1758	gij28868964	transcriptional regulator, TetR family
E53	AE016853.00335458X	PSPTO0145	gij28867385	hypothetical protein
E55	no ID			
E56	no ID			
E59	AE016853.00026078X	PSPTO0944	gij28868164	tellurium resistance protein TerD
E6	no ID			
E60	AE016853.00234983X	PSPTO2299	gij28869499	outer membrane porin OprF
E7	AE016853.00055135X	PSPTO1945	gij28869149	flagellar hook-associated protein FlgL
E8	AE016853.00531758X	PSPTO4505		dnaK protein
E9	no ID			
F1	AE016853.00375323X	PSPTO1542	gij28868748	outer membrane protein
F11	AE016853.00202583X	PSPTO1288	gij28868498	6-phosphogluconate dehydratase
F13	AE016853.00716605X	PSPTO3735	gij28870890	ABC transporter, periplasmic substrate-binding protein, putative
F14	AE016853.00348624X	PSPTO0619	gij28867847	DNA-directed RNA polymerase, beta subunit
F15	AE016853.00348624X	PSPTO0619		DNA-directed RNA polymerase, beta subunit
F18	AE016853.00004627X	PSPTO0173	gij28867413	quinone oxidoreductase
F19	AE016853.00183470X	PSPTO0593	gij28867821	anthranilate phosphoribosyltransferase
F2	AE016853.00789298X	PSPTO1239	gij28868450	alginate biosynthesis protein AlgE
F20	AE016853.00597692X	PSPTO2275	gij28869475	phospho-2-dehydro-3-deoxyheptonate aldolase
F21	AE016853.00371711X	PSPTO1440	gij28868647	aminotransferase, classes I and II
F22	AE016853.00231890X	PSPTO2202	gij28869404	succinyl-CoA synthase, beta subunit
F23	AE016853.00303079X	PSPTO4632	gij28871764	serine hydroxymethyltransferase
F23	AE016853.00184294X	PSPTO0623		translation elongation factor G
F24	AE016853.00348292X	PSPTO0609		tyrosyl-tRNA synthetase
F25	AE016853.00040507X	PSPTO1423	gij28868630	cysteine desulfurase
F26	AE016853.00649926X	PSPTO0455	gij28867685	glutathione-independent formaldehyde dehydrogenase
F27	AE016853.00377068X	PSPTO1608	gij28868814	hypothetical protein
F29	AE016853.00156409X	PSPTO5294	gij28872406	D-3-phosphoglycerate dehydrogenase
F3	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
F30	AE016853.00847665X	PSPTO4829	gij28871944	gamma-glutamyl phosphate reductase

F31	AE016853.00062315X	PSPTO2199	gij28869401	2-oxoglutarate dehydrogenase, E1 component
F33	AE016853.00810692X	PSPTO0425	gij28867655	hypothetical protein
F37	AE016853.00982135X	PSPTO0203	gij28867437	cysteine synthase
F38	AE016853.00185502X	PSPTO0690	gij28867918	riboflavin biosynthesis protein RibD
F39	AE016853.00222764X	PSPTO1949	gij28869153	flagellin
F39	AE016853.00043839X	PSPTO1535	gij28868741	translation elongation factor Ts
F4	AE016853.00234983X	PSPTO2299	gij28869499	outer membrane porin OprF
F40	AE016853.00043839X	PSPTO1535	gij28868741	translation elongation factor Ts
F41	AE016853.00043839X	PSPTO1535	gij28868741	translation elongation factor Ts
F42	AE016853.00511746X	PSPTO5090	gij28872203	ParA family protein
F44	AE016853.00952569X	PSPTO1265	gij28868476	nucleoid-associated family protein
F45	AE016853.00373855X	PSPTO1499	gij28868706	response regulator/GGDEF domain protein
F46	AE016853.00065309X	PSPTO2288	gij28869488	2-methylcitrate synthase
F47	AE016853.00105943X	PSPTO3625	gij28870783	sulfate ABC transporter, periplasmic sulfate-binding protein
F48	AE016853.00357667X	PSPTO0955	gij28868175	1-phosphofructokinase
F49	no ID			
F5	AE016853.00038118X	PSPTO1343	gij28868551	dipeptidase, putative
F50	AE016853.00636009X	PSPTO0960	gij28868180	pantoate--beta-alanine ligase
F51	AE016853.00560822X	PSPTO3498	gij28870659	iolB protein
F52	AE016853.00856198X	PSPTO4549		dihydrodipicolinate synthetase family protein
F53	AE016853.00231890X	PSPTO2202		succinyl-CoA synthase, beta subunit
F58	AE016853.00709848X	PSPTO3971	gij28871116	peptidoglycan-associated lipoprotein
F59	AE016853.00129699X	PSPTO4422		lipoprotein, putative
F6	no ID			
F61	no ID			
F63	AE016853.00348964X	PSPTO0624		translation elongation factor Tu
F63	AE016853.00120209X	PSPTO4100		MaoC-like domain protein
F67	AE016853.00480635X	PSPTO5047	gij28872161	pyrroline-5-carboxylate reductase
F68	AE016853.00027462X	PSPTO0983	gij28868203	ketol-acid reductoisomerase
F70	AE016853.00458528X	PSPTO4337	gij28871474	pyruvate kinase
F71	AE016853.00231890X	PSPTO2202	gij28869404	succinyl-CoA synthase, beta subunit
F72	AE016853.00517595X	PSPTO4934	gij28872048	RNA methyltransferase, TrmH family, group 3
F73			gij23471926	COG0455: ATPases involved in chromosome partitioning [Pseudomonas syringae pv. syringae B728a]
F73	AE016853.00223711X	PSPTO1978		flagellar synthesis regulator FleN
F74	AE016853.00223711X	PSPTO1978	gij28869182	flagellar synthesis regulator FleN
F74	AE016853.00087618X	PSPTO3000	gij28870178	papain cysteine protease family protein
F76	AE016853.00533826X	PSPTO4439		ATP phosphoribosyltransferase
F76	AE016853.00324338X	PSPTO5378	gij28872486	LamB/YcsF family protein
F77	AE016853.00940833X	PSPTO1698	gij28868904	hypothetical protein
F77	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
F78	AE016853.00950498X	PSPTO1340	gij28868548	carbonic anhydrase
F79	AE016853.00766434X	PSPTO2065		enoyl-CoA hydratase/isomerase family protein

F8	AE016853.00151596X	PSPTO5141	gij28872254	heat shock protein HslVU, ATPase subunit HslU
F80	AE016853.00902897X	PSPTO3024	gij3023833	DNA-binding response regulator GacA
F81	no ID			
F82	AE016853.00472193X	PSPTO4799	gij28871914	thiamine-phosphate pyrophosphorylase
F83	AE016853.00776997X	PSPTO1686	gij28868892	trp repressor binding protein
F84			gij28869017	Sua5/YciO/YrdC/YwIC family protein [Pseudomonas syringae pv. tomato str. DC3000]
F9	no ID			
F90	AE016853.00246603X	PSPTO2687	gij28869875	hypothetical protein
F94	no ID			
F95	AE016853.00298444X	PSPTO4464	gij28871599	hypothetical protein
F96	no ID			
F97	AE016853.00043890X	PSPTO1537	gij28868743	ribosome recycling factor
F98	AE016853.00375443X	PSPTO1543	gij28868749	outer membrane protein OmpH, putative
F99	no ID			
G1	AE016853.00716605X	PSPTO3735	gij28870890	ABC transporter, periplasmic substrate-binding protein, putative
G10	AE016853.00531758X	PSPTO4505	gij28871639	dnaK protein
G102	AE016853.00184111X	PSPTO0616	gij28867844	ribosomal protein L1
G104	no ID			
G106	no ID			
G108	AE016853.00237212X	PSPTO2379	gij28869576	translation initiation factor IF-3
G109	AE016853.00652736X	PSPTO0357	gij28867587	chorismate mutase
G11	AE016853.00348964X	PSPTO0624	gij28867852	translation elongation factor Tu
G110	AE016853.00163601X	PSPTO5520	gij28872625	cytosolic long-chain acyl-CoA thioester hydrolase family protein
G115	AE016853.00038903X	PSPTO1369	gij28868577	conserved effector locus protein
G117	no ID			
G131	AE016853.00448451X	PSPTO3987	gij28871132	porin D
G133	AE016853.00872936X	PSPTO3981	gij28871126	aspartyl-tRNA synthetase
G134	AE016853.00189282X	PSPTO0829	gij28868056	clpB protein
G135	AE016853.00446313X	PSPTO3885	gij28871037	tail-specific protease
G136	AE016853.00159271X	PSPTO5396	gij28872504	dTDP-glucose 4,6-dehydratase
G138	AE016853.00231108X	PSPTO2173	gij28869376	3-isopropylmalate dehydratase, large subunit
G14	no ID			
G140	AE016853.00303079X	PSPTO4632	gij28871764	serine hydroxymethyltransferase
G142	AE016853.00961762X	PSPTO0957	gij28868177	acetyl-CoA acetyltransferase
G149	AE016853.00210760X	PSPTO1558	gij28868764	alcohol dehydrogenase, class III
G15	no ID			
G152	AE016853.00303079X	PSPTO4632	gij28871764	serine hydroxymethyltransferase
G161	no ID			
G17	AE016853.00189282X	PSPTO0829	gij28868056	clpB protein
G19	AE016853.00133307X	PSPTO4530	gij28871664	catalase/peroxidase HPI
G21	AE016853.00125700X	PSPTO4290	gij28871427	beta-glucosidase
G22	AE016853.00783664X	PSPTO1444	gij28868651	2-isopropylmalate synthase

G24	AE016853.00698078X	PSPTO4376		chaperonin, 60 kDa
G26	AE016853.00007926X	PSPTO0300	gij 28867531	succinate-semialdehyde dehydrogenase
G28	AE016853.00533270X	PSPTO4465	gij 28871600	tldD protein
G3	AE016853.00964688X	PSPTO0852	gij 28868073	type III helper protein HopPmaG(Pto)
G31	AE016853.00649926X	PSPTO0455	gij 28867685	glutathione-independent formaldehyde dehydrogenase
G39	AE016853.00582528X	PSPTO2791	gij 28869977	oxidoreductase, aldo/keto reductase family
G47		no ID		
G48	AE016853.00676499X	PSPTO5126	gij 28872239	3-dehydroquinate synthase
G49	AE016853.00295512X	PSPTO4358	gij 28871494	oxidoreductase, FAD/FMN-binding
G52	AE016853.00199759X	PSPTO1178		thioredoxin reductase
G55		no ID		
G56		no ID		
G57		no ID		
G58		no ID		
G6	AE016853.00531758X	PSPTO4505		dnaK protein
G64	AE016853.00900393X	PSPTO3108	gij 28870281	alkyl hydroperoxide reductase, subunit C
G66	AE016853.00348964X	PSPTO0624	gij 28867852	translation elongation factor Tu
G67	AE016853.00347072X	PSPTO0566	gij 28867794	ribulose-phosphate 3-epimerase
G69	AE016853.00545743X	PSPTO4024	gij 28871167	ferredoxin--NADP reductase
G7	AE016853.00210641X	PSPTO1554	gij 28868760	enolase
G72	AE016853.00394422X	PSPTO2209	gij 28869411	dienelactone hydrolase family protein
G8	AE016853.00535029X	PSPTO4403	gij 28871538	cell division protein FtsZ
G80	AE016853.00789001X	PSPTO1254	gij 28868465	carboxylesterase
G82		no ID		
G9	AE016853.00531758X	PSPTO4505	gij 28871639	dnaK protein
G90	AE016853.00386302X	PSPTO1930	gij 28869134	cyanate lyase
G91	AE016853.00043839X	PSPTO1535	gij 28868741	translation elongation factor Ts
G93		no ID		
G94		no ID		
G95	AE016853.00348964X	PSPTO0624	gij 28867852	translation elongation factor Tu
G97	AE016853.00978191X	PSPTO0341	gij 28867572	thiol:disulfide interchange protein DsbA
GA2	AE016853.00877614X	PSPTO3815	gij 28870970	acetyl-CoA carboxylase, carboxyl transferase, beta subunit
GC	AE016853.00130839X	PSPTO4475	gij 28871610	glutamyl-tRNA(Gln) amidotransferase, B subunit
GD	AE016853.00553980X	PSPTO3725	gij 28870880	ATP-dependent Clp protease, ATP-binding subunit ClpX
J101	AE016853.00733513X	PSPTO3164	gij 28870335	acetyl-CoA acetyltransferase
J104	AE016853.00552560X	PSPTO3768	gij 28870923	hypothetical protein
J107	AE016853.00204989X	PSPTO1370	gij 28868578	type III effector HopPtoN
J108	AE016853.00587267X	PSPTO2636	gij 28869825	aldose 1-epimerase
J115	AE016853.00101327X	PSPTO3461	gij 28870622	glycerophosphoryl diester phosphodiesterase
J128	AE016853.00138701X	PSPTO4710	gij 28871835	coronamic acid synthetase, chlorinating enzyme component, putative
J129	AE016853.00852755X	PSPTO4660	gij 28871792	acyl-CoA thioesterase II
J130	AE016853.00368878X	PSPTO1345	gij 28868553	gluconolactonase

J131	AE016853.00289552X	PSPTO4171	gj 28871313	amino acid ABC transporter, periplasmic amino acid-binding protein
J132	AE016853.00062599X	PSPTO2203	gj 28869405	succinyl-CoA synthase, alpha subunit
J139	AE016853.00655960X	PSPTO0224	gj 28867456	diaminopimelate epimerase
J14	AE016853.00765155X	PSPTO2119	gj 28869322	transaldolase
J140	no ID			
J142	AE016853.00171141X	PSPTO0166	gj 28867406	glycine/betaine family, ABC transporter, substrate-binding protein
J143	AE016853.00057542X	PSPTO2030	gj 28869234	muramoyltetrapeptide carboxypeptidase, putative
J144	AE016853.00649624X	PSPTO0464	gj 28867694	glycine betaine/L-proline ABC transporter, periplasmic substrate-binding protein
J146	AE016853.00354518X	PSPTO0836	gj 28868062	candidate type III effector Hop protein
J147	AE016853.00210377X	PSPTO1546	gj 28868752	acyl-[acyl-carrier-protein]--UDP-N- acetylglucosamine O-acyltransferase
J148	AE016853.00941268X	PSPTO1677	gj 28868883	dienelactone hydrolase family protein
J15	AE016853.00061935X	PSPTO2186	gj 28869388	electron transfer flavoprotein, alpha subunit
J159	AE016853.00854454X	PSPTO4611		hypothetical protein
J161	no ID			
J172	AE016853.00438016X	PSPTO3599	gj 28870759	hypothetical protein
J173	no ID			
J174	AE016853.00578003X	PSPTO2935	gj 28870114	hypothetical protein
J176	AE016853.00532225X	PSPTO4494	gj 28871628	triosephosphate isomerase
J177	AE016853.00642801X	PSPTO0754	gj 28867982	alcohol dehydrogenase, zinc-containing
J178	AE016853.00352889X	PSPTO0787	gj 28868015	gamma-glutamyltranspeptidase
J22	AE016853.00134209X	PSPTO4561	gj 28871695	dipeptide ABC transporter, periplasmic dipeptide-binding protein
J41	AE016853.00201598X	PSPTO1255	gj 28868466	amino acid ABC transporter, periplasmic amino acid-binding protein
J43	no ID			
J44	AE016853.00323782X	PSPTO5358	gj 28872469	amino acid ABC transporter, periplasmic amino acid-binding protein
J54	AE016853.00868487X	PSPTO4144	gj 26987836	deoxycytidine triphosphate deaminase, putative
J64	AE016853.00839672X	PSPTO5071	gj 28872184	Ycel-like family protein
J70	no ID			
J71	no ID			
J72	AE016853.00709640X	PSPTO3983	gj 28871128	Dps family protein
J73	AE016853.00839672X	PSPTO5071	gj 28872184	Ycel-like family protein
J75	AE016853.00108993X	PSPTO3717	gj 28870872	ABC transporter, periplasmic substrate-binding protein
J78	no ID			
J80	AE016853.00446313X	PSPTO3885	gj 28871037	tail-specific protease
J85	AE016853.00332475X	PSPTO0043	gj 28867284	cytidine/deoxycytidylate deaminase family protein
J87	AE016853.00819766X	PSPTO0087	gj 28867327	bacterial extracellular solute-binding protein, family 5
J89	AE016853.00288093X	PSPTO4114	gj 28871256	hypothetical protein
J95	AE016853.00865945X	PSPTO4221	gj 28871363	serine protease, MucD
J97	AE016853.00468654X	PSPTO4689	gj 28871819	crotonyl-CoA reductase
K101	no ID			
K11	AE016853.00819990X	PSPTO0083	gj 28867323	phosphomannomutase AlgC
K111	AE016853.00051804X	PSPTO1826	gj 28869031	arginine/ornithine ABC transporter, periplasmic arginine/ornithine-binding protein
K116	AE016853.00399911X	PSPTO2362	gj 28869559	methionine aminopeptidase, type I

K117	AE016853.00953097X	PSPTO1244	gij28868455	hypothetical protein
K118	AE016853.00149786X	PSPTO5076	gij28872189	conserved hypothetical protein TIGR00046
K119	AE016853.00451948X	PSPTO4112	gij28871254	high-affinity amino acid ABC transporter, ATP-binding protein
K123	AE016853.00709848X	PSPTO3971	gij28871116	peptidoglycan-associated lipoprotein
K125	AE016853.00709848X	PSPTO3971	gij28871116	peptidoglycan-associated lipoprotein
K126	no ID			
K127	AE016853.00348022X	PSPTO0597	gij28867825	OsmC/Ohr family protein
K128	AE016853.00138744X	PSPTO4711	gij28871836	coronamic acid synthetase, cyclase component, putative
K129	AE016853.00054859X	PSPTO1931	gij28869135	hypothetical protein
K13	AE016853.00394308X	PSPTO2208	gij28869410	heat shock protein HtpG
K131	no ID			
K143	AE016853.00119646X	PSPTO4090	gij28871232	peptidyl-prolyl cis-trans isomerase A
K145	no ID			
K156	AE016853.00023271X	PSPTO0835	gij28868061	ribD C-terminal domain protein
K27	AE016853.00974393X	PSPTO0480	gij28867710	malate synthase G
K33	no ID			
K37	AE016853.00829403X	PSPTO5422	gij28872530	FHA domain protein
K44	AE016853.00267115X	PSPTO3323	gij28870487	aldehyde dehydrogenase family protein
K58	AE016853.00609104X	PSPTO1909		decarboxylase family protein
K6	AE016853.00050130X	PSPTO1750	gij28868956	ribosomal protein S1
K61	AE016853.00981680X	PSPTO0225	gij28867457	diaminopimelate decarboxylase
K70	AE016853.00231890X	PSPTO2202	gij28869404	succinyl-CoA synthase, beta subunit
K71	AE016853.00446081X	PSPTO3878	gij28871030	ABC transporter, periplasmic substrate-binding protein
K72	AE016853.00706602X	PSPTO4094	gij28871236	3-oxoacyl-(acyl-carrier-protein) synthase III, putative
K75	AE016853.00393514X	PSPTO2175	gij28869378	3-isopropylmalate dehydrogenase
K76	no ID			
K77	no ID			
K84	AE016853.00067420X	PSPTO2367	gij28869564	ribose ABC transporter, periplasmic ribose-binding protein
K86	AE016853.00793534X	PSPTO1079	gij28868294	glucose-1-phosphate thymidyltransferase
K9	AE016853.00572366X	PSPTO3121	gij28870294	glucose-6-phosphate 1-dehydrogenase
K92	AE016853.00873537X	PSPTO3953	gij28871100	dihydrodipicolinate synthase
K94	AE016853.00016469X	PSPTO0594	gij28867822	indole-3-glycerol phosphate synthase
K95	no ID			
K96	AE016853.00370268X	PSPTO1386	gij28868594	type III secretion protein HrpE
K98	AE016853.00565263X	PSPTO3348	gij28870512	outer membrane lipoprotein carrier protein