

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

<u>Map ID</u>	<u>ACC#</u>	<u>PSPTO#</u>	<u>NCBI ACC#</u>	<u>Protein Name</u>
U29	AE016853.00325897X	PSPTO5435	gj 28872543	secreted protein Hcp
W101	AE016853.00287891X	PSPTO4108	gj 28871250	high-affinity branched-chain amino acid ABC transporter, periplasmic amino acid-binding protein
W105	AE016853.00096693X	PSPTO3292	gj 28870456	hypothetical protein
W106	no ID			
W113	AE016853.00075533X	PSPTO2635	gj 28869824	cation ABC transporter, periplasmic cation-binding protein
W79	AE016853.00570173X	PSPTO3193	gj 28870362	metalloprotease, putative
W85	AE016853.00716937X	PSPTO3727	gj 28870882	trigger factor
W97	AE016853.00248880X	PSPTO2752	gj 28869939	thiol peroxidase
X1	AE016853.00949158X	PSPTO1373	gj 28868581	type III helper protein HrpW(Pto)
X10	AE016853.00916165X	PSPTO2605	gj 28869795	TonB-dependent siderophore receptor, putative
X11	AE016853.00370769X	PSPTO1405	gj 28868613	type III helper protein HrpK(Pto)
X12	AE016853.00370769X	PSPTO1405	gj 28868613	type III helper protein HrpK(Pto)
X12	AE016853.00234983X	PSPTO2299	gj 28869499	outer membrane porin OprF
X12	AE016853.00103624X	PSPTO3544	gj 28870705	hypothetical protein
X13	AE016853.00370769X	PSPTO1405	gj 28868613	type III helper protein HrpK(Pto)
X15	AE016853.00949158X	PSPTO1373	gj 28868581	type III helper protein HrpW(Pto)
X16	AE016853.00949158X	PSPTO1373	gj 28868581	type III helper protein HrpW(Pto)
X17	AE016853.00386369X	PSPTO1936	gj 28869140	flagellar hook protein FlgE
X18	AE016855.00010185X	PSPTOA0032	gj 29171506	levansucrase
X18	AE016853.00448451X	PSPTO3987	gj 28871132	porin D
X19	AE016855.00010185X	PSPTOA0032	gj 29171506	levansucrase
X2	AE016853.00223197X	PSPTO1966	gj 28869170	flagellar hook-length control protein FliK
X20	AE016853.00448451X	PSPTO3987	gj 28871132	porin D
X21	AE016853.00210641X	PSPTO1554	gj 28868760	enolase
X22	AE016853.00837949X	PSPTO5134	gj 28872247	malic enzyme family protein
X23	AE016853.00651801X	PSPTO0383	gj 28867613	S-adenosylmethionine synthetase
X24	AE016853.00776206X	PSPTO1720	gj 28868926	outer membrane protein
X25	AE016853.00776206X	PSPTO1720	gj 28868926	outer membrane protein
X25	AE016853.00348964X	PSPTO0624	gj 28867852	translation elongation factor Tu
X26	AE016853.00393514X	PSPTO2175	gj 28869378	3-isopropylmalate dehydrogenase
X27	AE016853.00202948X	PSPTO1301	gj 28868511	6-phosphogluconolactonase
X28	AE016853.00103686X	PSPTO3545	gj 28870706	ThiJ/Pfpl family protein
X29	AE016853.00438016X	PSPTO3599	gj 28870759	hypothetical protein
X3	AE016853.00370169X	PSPTO1382	gj 47826619	type III helper protein HrpZ(Pto)
X30	AE016853.00222764X	PSPTO1949	gj 28869153	flagellin
X31	AE016853.00222764X	PSPTO1949	gj 28869153	flagellin
X32	AE016853.00026078X	PSPTO0944	gj 28868164	tellurium resistance protein TerD
X33	AE016853.00222158X	PSPTO1935	gj 28869139	basal-body rod modification protein FlgD
X34	no ID			

X35	AE016853.00192627X	PSPTO0945	gij28868165	tellurium resistance protein TerE
X36	AE016853.00900393X	PSPTO3108		alkyl hydroperoxide reductase, subunit C
X37	AE016853.00295719X	PSPTO4363	gij28871499	superoxide dismutase, Fe
X38				no ID
X39	AE016853.00041072X	N/A		
X4	AE016853.00409717X	PSPTO2678	gij28869866	type III helper protein HopPtoP
X40				no ID
X41	AE016853.00222809X	PSPTO1950	gij28869154	flagellin FlaG, putative
X42	AE016853.00535919X	PSPTO4377	gij28871513	chaperonin, 10 kDa
X43				no ID
X44	AE016853.00206687X	PSPTO1430	gij28868637	nucleoside diphosphate kinase
X45	AE016853.00062507X	PSPTO2201	gij28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
X46	AE016853.00062507X	PSPTO2201	gij28869403	2-oxoglutarate dehydrogenase, E3 component, lipoamide dehydrogenase
X47	AE016853.00284037X	PSPTO3960	gij28871107	polygalacturonase
X48	AE016853.00284037X	PSPTO3960	gij28871107	polygalacturonase
X49	AE016853.00370769X	PSPTO1405	gij28868613	type III helper protein HrpK(Pto)
X49	AE016853.00103624X	PSPTO3544	gij28870705	hypothetical protein
X5	AE016853.00234983X	PSPTO2299	gij28869499	outer membrane porin OprF
X51	AE016853.00683469X	PSPTO4919	gij28872033	high affinity branched-chain amino acid ABC transporter, periplasmic amino acid-binding protein
X52	AE016853.00913285X	PSPTO2707	gij28869894	mannitol ABC transporter, periplasmic mannitol-binding protein
X53	AE016853.00913285X	PSPTO2707	gij28869894	mannitol ABC transporter, periplasmic mannitol-binding protein
X54	AE016853.00055479X	PSPTO1951	gij28869155	flagellar hook-associated protein FliD
X55	AE016853.00055479X	PSPTO1951	gij28869155	flagellar hook-associated protein FliD
X57	AE016853.00832535X	PSPTO5307	gij28872419	putrescine ABC transporter, periplasmic putrescine-binding protein
X58	AE016853.00626829X	PSPTO1287	gij28868497	glyceraldehyde 3-phosphate dehydrogenase, type I
X59	AE016853.00626829X	PSPTO1287	gij28868497	glyceraldehyde 3-phosphate dehydrogenase, type I
X6	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
X60	AE016853.00222764X	PSPTO1949	gij28869153	flagellin
X61				no ID
X62	AE016853.00158964X	PSPTO5385	gij28872493	hypothetical protein
X63	AE016853.00288771X	PSPTO4136	gij28871278	amino acid ABC transporter, periplasmic amino acid-binding protein
X64				no ID
X65	AE016853.00051804X	PSPTO1826	gij28869031	arginine/ornithine ABC transporter, periplasmic arginine/ornithine-binding protein
X66				no ID
X67	AE016853.00854454X	PSPTO4611		hypothetical protein
X68	AE016853.00152872X	PSPTO5180	gij28872292	cystine ABC transporter, periplasmic cystine binding protein
X69	AE016853.00940833X	PSPTO1698	gij28868904	hypothetical protein
X7	AE016853.00698078X	PSPTO4376	gij28871512	chaperonin, 60 kDa
X70				no ID
X71	AE016853.00508055X	PSPTO5216	gij28872328	lipoprotein, NLPA family
X72				no ID
X73	AE016853.00557720X	PSPTO3602	gij28870762	hypothetical protein

X74	AE016853.00839672X	PSPTO5071	gij28872184	Ycel-like family protein
X77	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
X78	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
X8	AE016853.00386648X	PSPTO1944	gij28869148	flagellar hook-associated protein FlgK
X9	AE016853.00394308X	PSPTO2208	gij28869410	heat shock protein HtpG
Y1	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y10	AE016853.00055135X	PSPTO1945	gij28869149	flagellar hook-associated protein FlgL
Y11	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y15	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y16	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y17	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y18	AE016853.00234983X	PSPTO2299	gij28869499	outer membrane porin OprF
Y2	AE016853.00601439X	PSPTO2152	gij28869355	TonB-dependent siderophore receptor, putative
Y2	AE016853.00386648X	PSPTO1944	gij28869148	flagellar hook-associated protein FlgK
Y22	AE016853.00370169X	PSPTO1382	gij47826634	type III helper protein HrpZ(Pto)
Y23	AE016853.00370169X	PSPTO1382	gij47826619	type III helper protein HrpZ(Pto)
Y24	AE016853.00370169X	PSPTO1382	gij47826619	type III helper protein HrpZ(Pto)
Y25	no ID			
Y27	AE016853.00039108X	PSPTO1375	gij28868583	type III effector HopPtoM
Y28	AE016853.00287664X	PSPTO4101	gij28871243	type III helper protein HopPmaH(Pto)
Y29	AE016853.00287664X	PSPTO4101	gij28871243	type III helper protein HopPmaH(Pto)
Y3	no ID			
Y30	AE016853.00287664X	PSPTO4101	gij28871243	type III helper protein HopPmaH(Pto)
Y31	AE016853.00446081X	PSPTO3878	gij28871030	ABC transporter, periplasmic substrate-binding protein
Y32	AE016853.00027462X	PSPTO0983	gij28868203	ketol-acid reductoisomerase
Y33	AE016853.00237069X	PSPTO2373	gij28869570	inosine/uridine-preferring nucleoside hydrolase
Y34	AE016853.00067420X	PSPTO2367	gij28869564	ribose ABC transporter, periplasmic ribose-binding protein
Y36	AE016853.00222764X	PSPTO1949	gij28869153	flagellin
Y37	AE016853.00222764X	PSPTO1949		flagellin
Y38	no ID			
Y39	no ID			
Y40	no ID			
Y41	no ID			
Y43	AE016853.00550750X	PSPTO3832	gij28870986	3-oxoacyl-(acyl-carrier-protein) reductase
Y44	no ID			
Y45	AE016853.00234983X	PSPTO2299	gij37704660	outer membrane porin OprF
Y46	no ID			
Y47	no ID			
Y48	no ID			
Y49	AE016853.00535919X	PSPTO4377	gij28871513	chaperonin, 10 kDa
Y5	no ID			
Y50	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)

Y51	AE016853.00325897X	PSPTO5435	gij28872543	secreted protein Hcp
Y53	no ID			
Y55	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
Y56	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
Y57	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
Y58	no ID			
Y59	AE016853.00872361X	PSPTO4001	gij28871145	avirulence protein AvrPto(DC3000)
Y6	no ID			
Y60	no ID			
Y61	AE016853.00043890X	PSPTO1537	gij28868743	ribosome recycling factor
Y62	AE016853.00043890X	PSPTO1537	gij28868743	ribosome recycling factor
Y63	AE016853.00959917X	PSPTO1022		avirulence protein AvrPpiB1(Pto)
Y64	no ID			
Y65	AE016853.00859820X	PSPTO4444	gij28871579	toluene tolerance protein, putative
Y66	AE016853.00859820X	PSPTO4444	gij28871579	toluene tolerance protein, putative
Y67	AE016853.00096740X	PSPTO3293	gij28870457	hypothetical protein
Y68	AE016853.00688231X	PSPTO4723	gij28871847	hypothetical protein
Y7	AE016853.00125700X	PSPTO4290	gij28871427	beta-glucosidase
Y71	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Y73	AE016853.00409717X	PSPTO2678	gij28869866	type III helper protein HopPtoP
Y8	no ID			
Y9	AE016853.00509666X	PSPTO5162	gij28872274	periplasmic glucan biosynthesis protein
Z1	no ID			
Z10	AE016853.00284037X	PSPTO3960	gij28871107	polygalacturonase
Z11	no ID			
Z12	AE016853.00819766X	PSPTO0087	gij28867327	bacterial extracellular solute-binding protein, family 5
Z12	AE016853.00134093X	PSPTO4558		dipeptide ABC transporter, periplasmic dipeptide-binding protein, putative
Z14	AE016853.00949158X	PSPTO1373	gij28868581	type III helper protein HrpW(Pto)
Z15	no ID			
Z17	AE016853.00043839X	PSPTO1535	gij28868741	translation elongation factor Ts
Z2	no ID			
Z25	no ID			
Z3	no ID			
Z35	AE016853.00119646X	PSPTO4090	gij28871232	peptidyl-prolyl cis-trans isomerase A
Z4	no ID			
Z40	no ID			
Z41	no ID			
Z5	no ID			
Z6	no ID			
Z62	no ID			
Z7	no ID			
Z8	no ID			

Z9

AE016853.00038118X PSPTO1343

dipeptidase, putative