

**Biofilm matrix sample**

Note: Human contaminants removed.

ID	Protein	prot_score	emPAI
gi 229364771 emb CAY52770.1	elongation factor TU [Pseudomonas fluorescens SBW25]	11287	10.9
gi 229364759 emb CAY52749.1	50S ribosomal protein L14 [Pseudomonas fluorescens SBW25]	650	9.09
gi 229364173 emb CAY51832.1	putative ferritin DPS-family DNA binding protein [Pseudomonas fluorescens SBW25]	2142	6.17
gi 229364240 emb CAY51939.1	chaperone Hsp60, peptide-dependent ATPase, heat shock protein [Pseudomonas fluorescens SBW25]	9591	4.53
gi 229360727 emb CAY47585.1	putative membrane protein [Pseudomonas fluorescens SBW25]	1059	3.64
gi 229361881 emb CAY48781.1	ferripyoverdine receptor precursor [Pseudomonas fluorescens SBW25]	13476	3.15
gi 229365347 emb CAY53725.1	ATP synthase beta chain [Pseudomonas fluorescens SBW25]	4471	2.7
gi 229361202 emb CAY48066.1	succinate dehydrogenase iron-sulfur protein [Pseudomonas fluorescens SBW25]	1915	2.4
gi 229364757 emb CAY52745.1	50S ribosomal protein L5 [Pseudomonas fluorescens SBW25]	659	2.32
gi 229364222 emb CAY51910.1	haem utilisation protein [Pseudomonas fluorescens SBW25]	496	2.11
gi 229364824 emb CAY52855.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	3803	2.09
gi 229359711 emb CAY46559.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	424	2.08
gi 229365218 emb CAY53512.1	acetylglutamate kinase [Pseudomonas fluorescens SBW25]	1343	2.05
gi 229363881 emb CAY51363.1	putative outer membrane porin A protein [Pseudomonas fluorescens SBW25]	7857	1.82
gi 229363442 emb CAY50639.1	50S ribosomal protein L20 [Pseudomonas fluorescens SBW25]	49	1.82
gi 229364725 emb CAY52696.1	putative ABC transport system, outer membrane exported protein [Pseudomonas fluorescens SBW25]	435	1.74
gi 229361883 emb CAY48783.1	putative pyoverdine synthetase F [Pseudomonas fluorescens SBW25]	2743	1.72
gi 229364778 emb CAY52781.1	50S ribosomal protein L10 [Pseudomonas fluorescens SBW25]	1487	1.69
gi 229364221 emb CAY51907.1	putative exported heme receptor protein [Pseudomonas fluorescens SBW25]	8771	1.64
gi 229364763 emb CAY52756.1	30S ribosomal protein S3 [Pseudomonas fluorescens SBW25]	343	1.62
gi 229360144 emb CAY47001.1	ribose-phosphate pyrophosphokinase [Pseudomonas fluorescens SBW25]	1083	1.56
gi 229360670 emb CAY47528.1	elongation factor [Pseudomonas fluorescens SBW25]	433	1.56
gi 229364311 emb CAY52052.1	nucleoside diphosphate kinase [Pseudomonas fluorescens SBW25]	848	1.54
gi 229363277 emb CAY50379.1	outer membrane efflux protein [Pseudomonas fluorescens SBW25]	1225	1.53
gi 229365349 emb CAY53727.1	ATP synthase alpha chain [Pseudomonas fluorescens SBW25]	3739	1.49
gi 229362497 emb CAY49404.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	859	1.49
gi 229360462 emb CAY47319.1	cytosol aminopeptidase [Pseudomonas fluorescens SBW25]	3238	1.45
gi 229363728 emb CAY51128.1	flagellin [Pseudomonas fluorescens SBW25]	3882	1.43
gi 229365095 emb CAY53304.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	2004	1.41
gi 229364744 emb CAY52723.1	DNA-directed RNA polymerase alpha chain [Pseudomonas fluorescens SBW25]	1181	1.41
gi 229364790 emb CAY52800.1	N-acetyl-gamma-glutamyl-phosphate reductase [Pseudomonas fluorescens SBW25]	794	1.41
gi 229359883 emb CAY46736.1	pyruvate dehydrogenase E1 component [Pseudomonas fluorescens SBW25]	3865	1.4
gi 229365134 emb CAY53370.1	thioredoxin [Pseudomonas fluorescens SBW25]	163	1.39
gi 229363660 emb CAY51010.1	diaminobutyrate--2-oxoglutarate aminotransferase [Pseudomonas fluorescens SBW25]	2149	1.38
gi 229364145 emb CAY51782.1	ornithine carbamoyltransferase, catabolic [Pseudomonas fluorescens SBW25]	1382	1.34
gi 229364712 emb CAY52676.1	6,7-dimethyl-8-ribityllumazine synthase [Pseudomonas fluorescens SBW25]	892	1.34

gi 229365209 emb CAY53495.1	putative aldehyde dehydrogenase [Pseudomonas fluorescens SBW25]	604	1.27
gi 229362083 emb CAY48985.1	putative short chain dehydrogenase [Pseudomonas fluorescens SBW25]	291	1.25
gi 229364752 emb CAY52736.1	30S ribosomal protein S5 [Pseudomonas fluorescens SBW25]	179	1.21
gi 229361551 emb CAY48427.1	two-component system, response regulator [Pseudomonas fluorescens SBW25]	121	1.15
gi 229365227 emb CAY53528.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	370	1.15
gi 229364746 emb CAY52727.1	30S ribosomal protein S11 [Pseudomonas fluorescens SBW25]	64	1.14
gi 229361036 emb CAY47898.1	30S ribosomal protein S1 [Pseudomonas fluorescens SBW25]	1286	1.13
gi 229359682 emb CAY46530.1	putative oxidoreductase [Pseudomonas fluorescens SBW25]	477	1.12
gi 229363225 emb CAY50308.1	DNA-binding protein HU-beta [Pseudomonas fluorescens SBW25]	334	1.09
gi 229363273 emb CAY50374.1	putative L-ornithine 5-monooxygenase [Pseudomonas fluorescens SBW25]	2964	1.08
gi 229364779 emb CAY52783.1	50S ribosomal protein L1 [Pseudomonas fluorescens SBW25]	737	1.08
gi 229363652 emb CAY50995.1	cell division inhibitor [Pseudomonas fluorescens SBW25]	647	1.08
gi 229365256 emb CAY53574.1	chaperone [Pseudomonas fluorescens SBW25]	1289	1.04
gi 229359882 emb CAY46735.1	dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex [Pseudomonas fluorescens SBW25]	3298	1.03
gi 229360251 emb CAY47108.1	30S ribosomal protein S9 [Pseudomonas fluorescens SBW25]	95	1.03
gi 229364468 emb CAY52297.1	ketol-acid reductoisomerase [Pseudomonas fluorescens SBW25]	1754	1
gi 229360318 emb CAY47175.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	2746	0.98
gi 229364964 emb CAY53084.1	putative exported protein [Pseudomonas fluorescens SBW25]	603	0.98
gi 229359943 emb CAY46797.1	putative phage-related protein [Pseudomonas fluorescens SBW25]	998	0.94
gi 229360872 emb CAY47731.1	phosphoribosylaminoimidazole-succinocarboxamide synthase [Pseudomonas fluorescens SBW25]	698	0.94
gi 229360669 emb CAY47527.1	30S ribosomal protein S2 [Pseudomonas fluorescens SBW25]	798	0.93
gi 229360143 emb CAY47000.1	putative ribosomal protein L25p family [Pseudomonas fluorescens SBW25]	240	0.92
gi 229359944 emb CAY46798.1	putative phage-related protein [Pseudomonas fluorescens SBW25]	333	0.91
gi 229359623 emb CAY46465.1	4-aminobutyrate aminotransferase [Pseudomonas fluorescens SBW25]	1342	0.9
gi 229360243 emb CAY47100.1	putative membrane protein [Pseudomonas fluorescens SBW25]	102	0.9
gi 229364385 emb CAY52165.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	334	0.89
gi 229360012 emb CAY46866.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	785	0.88
gi 229363109 emb CAY50118.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	1675	0.88
gi 229359622 emb CAY46464.1	succinate-semialdehyde dehydrogenase [NADP+] [Pseudomonas fluorescens SBW25]	909	0.87
gi 229359816 emb CAY46666.1	ubiquinone/menaquinone biosynthesis methyltransferase [Pseudomonas fluorescens SBW25]	108	0.87
gi 229360534 emb CAY47391.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	1236	0.86
gi 229364178 emb CAY51840.1	putative family S43 non-peptidase homologue [Pseudomonas fluorescens SBW25]	1171	0.85
gi 229363994 emb CAY51541.1	ribonucleoside-diphosphate reductase alpha chain [Pseudomonas fluorescens SBW25]	2773	0.84
gi 229364772 emb CAY52772.1	elongation factor G [Pseudomonas fluorescens SBW25]	2159	0.84
gi 229360305 emb CAY47162.1	ATP phosphoribosyltransferase [Pseudomonas fluorescens SBW25]	159	0.84
gi 260594103 gb ACX46346.1	RpoB, partial [Pseudomonas fluorescens SBW25]	351	0.83
gi 229363228 emb CAY50311.1	ATP-dependent Clp protease proteolytic subunit ClpP [Pseudomonas fluorescens SBW25]	480	0.83
gi 229360601 emb CAY47458.1	ferredoxin--NADP reductase [Pseudomonas fluorescens SBW25]	93	0.82
gi 229361207 emb CAY48071.1	succinyl-CoA synthetase alpha chain [Pseudomonas fluorescens SBW25]	181	0.81
gi 229364160 emb CAY51808.1	putative OmpA family lipoprotein [Pseudomonas fluorescens SBW25]	3164	0.81

gi 229363110 emb CAY50120.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	1968	0.8
gi 229364573 emb CAY52457.1	conserved hypothetical ABC transport, membrane protein [Pseudomonas fluorescens SBW25]	927	0.8
gi 229363689 emb CAY51060.1	chemotaxis protein CheW [Pseudomonas fluorescens SBW25]	77	0.8
gi 229364498 emb CAY52345.1	polynucleotide phosphorylase/polyadenylase [Pseudomonas fluorescens SBW25]	3009	0.79
gi 229362326 emb CAY49228.1	putative aldo/keto reductase [Pseudomonas fluorescens SBW25]	788	0.79
gi 229361205 emb CAY48069.1	dihydrolipoyl dehydrogenase [Pseudomonas fluorescens SBW25]	518	0.78
gi 229360869 emb CAY47728.1	dihydrodipicolinate synthase [Pseudomonas fluorescens SBW25]	561	0.77
gi 229365250 emb CAY53564.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	774	0.77
gi 229363172 emb CAY50218.1	peptidyl-prolyl cis-trans isomerase B [Pseudomonas fluorescens SBW25]	393	0.77
gi 229365348 emb CAY53726.1	ATP synthase gamma chain [Pseudomonas fluorescens SBW25]	469	0.76
gi 229363264 emb CAY50358.1	lipamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex [Pseudomonas fluorescens SBW25]	564	0.75
gi 229363458 emb CAY50667.1	putative L-asparaginase II precursor [Pseudomonas fluorescens SBW25]	538	0.74
gi 229361138 emb CAY48001.1	molybdenum cofactor biosynthesis protein B [Pseudomonas fluorescens SBW25]	404	0.74
gi 229360153 emb CAY47010.1	putative exported protein [Pseudomonas fluorescens SBW25]	101	0.74
gi 229360774 emb CAY47632.1	outer membrane protein precursor [Pseudomonas fluorescens SBW25]	955	0.73
gi 229360293 emb CAY47150.1	putative ABC transport system, ATP-binding protein [Pseudomonas fluorescens SBW25]	118	0.71
gi 229364518 emb CAY52373.1	chaperone protein DnaK (HSP70) [Pseudomonas fluorescens SBW25]	2267	0.7
gi 229360973 emb CAY47833.1	transaldolase B [Pseudomonas fluorescens SBW25]	187	0.7
gi 229363895 emb CAY51388.1	putative alanyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	316	0.7
gi 229364775 emb CAY52776.1	DNA-directed RNA polymerase beta~ chain [Pseudomonas fluorescens SBW25]	3147	0.68
gi 229360548 emb CAY47405.1	glycerol kinase [Pseudomonas fluorescens SBW25]	1701	0.68
gi 229365251 emb CAY53566.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	1735	0.68
gi 229363229 emb CAY50312.1	trigger factor [Pseudomonas fluorescens SBW25]	759	0.68
gi 229362316 emb CAY49218.1	alkyl hydroperoxide reductase protein [Pseudomonas fluorescens SBW25]	506	0.68
gi 229363888 emb CAY51376.1	putative phosphoenolpyruvate synthase [Pseudomonas fluorescens SBW25]	2008	0.66
gi 229363697 emb CAY51074.1	chemotaxis protein CheY [Pseudomonas fluorescens SBW25]	169	0.65
gi 229364995 emb CAY53133.1	aspartate carbamoyltransferase [Pseudomonas fluorescens SBW25]	309	0.64
gi 229360254 emb CAY47111.1	putative ubiquinol--cytochrome C reductase, cytochrome C1 [Pseudomonas fluorescens SBW25]	180	0.63
gi 229361880 emb CAY48780.1	pvdj(2) [Pseudomonas fluorescens SBW25]	7522	0.62
gi 229364817 emb CAY52842.1	putative exported organic solvent tolerance protein [Pseudomonas fluorescens SBW25]	521	0.62
gi 229360360 emb CAY47217.1	cell division protein [Pseudomonas fluorescens SBW25]	336	0.62
gi 229360557 emb CAY47414.1	putative alkyl hydroperoxide reductase [Pseudomonas fluorescens SBW25]	495	0.62
gi 229363782 emb CAY51208.1	GTP pyrophosphokinase [Pseudomonas fluorescens SBW25]	429	0.61
gi 229360249 emb CAY47106.1	NADP(H)-dependt aldo-keto reductase [Pseudomonas fluorescens SBW25]	346	0.59
gi 229364776 emb CAY52777.1	DNA-directed RNA polymerase beta chain [Pseudomonas fluorescens SBW25]	1409	0.58
gi 229362693 emb CAY49603.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	1899	0.58
gi 229361201 emb CAY48065.1	succinate dehydrogenase flavoprotein subunit [Pseudomonas fluorescens SBW25]	1979	0.58
gi 229359726 emb CAY46574.1	outer membrane protein, oprE3 precursor [Pseudomonas fluorescens SBW25]	1656	0.58
gi 229364115 emb CAY51736.1	putative exported protein [Pseudomonas fluorescens SBW25]	1185	0.58
gi 229362111 emb CAY49013.1	putative ribonucleoside-diphosphate reductase beta chain [Pseudomonas fluorescens SBW25]	178	0.58

gi 229364032 emb CAY51597.1	ribonucleoside-diphosphate reductase beta chain [Pseudomonas fluorescens SBW25]	161	0.58
gi 229364521 emb CAY52377.1	ferric uptake regulation protein [Pseudomonas fluorescens SBW25]	167	0.58
gi 229360742 emb CAY47600.1	branched amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	503	0.57
gi 229364415 emb CAY52212.1	putative putative oxidoreductase [Pseudomonas fluorescens SBW25]	210	0.56
gi 229360807 emb CAY47665.1	probable alcohol dehydrogenase [Pseudomonas fluorescens SBW25]	228	0.56
gi 229360927 emb CAY47787.1	putative ATP-binding protein [Pseudomonas fluorescens SBW25]	218	0.56
gi 229362018 emb CAY48919.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	559	0.55
gi 229364293 emb CAY52028.1	GMP synthase (glutamine-hydrolyzing) [Pseudomonas fluorescens SBW25]	250	0.54
gi 229361204 emb CAY48068.1	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex [Pseudomonas fluore	703	0.53
gi 229362920 emb CAY49837.1	L-lactate dehydrogenase [Pseudomonas fluorescens SBW25]	108	0.53
gi 229365230 emb CAY53532.1	biopolymer transport membrane protein [Pseudomonas fluorescens SBW25]	1740	0.53
gi 229361882 emb CAY48782.1	putative ABC transporter ATP-binding protein [Pseudomonas fluorescens SBW25]	734	0.52
gi 229361046 emb CAY47908.1	UDP-N-acetylglucosamine2-epimerase [Pseudomonas fluorescens SBW25]	113	0.52
gi 229364164 emb CAY51814.1	TolQ protein [Pseudomonas fluorescens SBW25]	397	0.52
gi 229363585 emb CAY50877.1	putative putative heat shock protein A [Pseudomonas fluorescens SBW25]	192	0.52
gi 229360685 emb CAY47543.1	acetyl-coenzyme A carboxylase carboxyl transferase subunit alpha [Pseudomonas fluorescens SBW25]	122	0.51
gi 229361213 emb CAY48077.1	chaperone (heat shock protein) [Pseudomonas fluorescens SBW25]	322	0.5
gi 229360955 emb CAY47815.1	glyceraldehyde-3-phosphate dehydrogenase [Pseudomonas fluorescens SBW25]	278	0.5
gi 229364318 emb CAY52065.1	cysteine desulfurase [Pseudomonas fluorescens SBW25]	639	0.5
gi 229363945 emb CAY51470.1	electron transfer flavoprotein beta-subunit [Pseudomonas fluorescens SBW25]	365	0.5
gi 229364503 emb CAY52353.1	transcription termination factor [Pseudomonas fluorescens SBW25]	900	0.49
gi 229364218 emb CAY51902.1	glyceraldehyde 3-phosphate dehydrogenase 1 [Pseudomonas fluorescens SBW25]	951	0.49
gi 229361050 emb CAY47913.1	putative dehydrogenase [Pseudomonas fluorescens SBW25]	126	0.49
gi 229363756 emb CAY51170.1	putative fatty acid transport system, membrane protein [Pseudomonas fluorescens SBW25]	427	0.48
gi 229360407 emb CAY47264.1	putative amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	94	0.48
gi 229363928 emb CAY51444.1	putative amino transferase [Pseudomonas fluorescens SBW25]	912	0.48
gi 229359974 emb CAY46828.1	putative amino acid oxidase [Pseudomonas fluorescens SBW25]	572	0.48
gi 229362537 emb CAY49444.1	putative TonB-dependent outer membrane receptor [Pseudomonas fluorescens SBW25]	1147	0.47
gi 229364144 emb CAY51781.1	arginine deiminase [Pseudomonas fluorescens SBW25]	1132	0.47
gi 229365133 emb CAY53368.1	transcription termination factor [Pseudomonas fluorescens SBW25]	230	0.47
gi 229363266 emb CAY50361.1	putative branched-chain-amino-acid aminotransferase [Pseudomonas fluorescens SBW25]	226	0.47
gi 229360544 emb CAY47401.1	glutamate/aspartate ABC transport system, permease [Pseudomonas fluorescens SBW25]	228	0.47
gi 229362357 emb CAY49259.1	putative phenylacetic acid degradation enoyl-CoA hydratase [Pseudomonas fluorescens SBW25]	593	0.47
gi 229360942 emb CAY47802.1	fatty oxidation complex alpha subunit [Pseudomonas fluorescens SBW25]	624	0.46
gi 229364474 emb CAY52307.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	426	0.46
gi 229360546 emb CAY47403.1	aerobic glycerol-3-phosphate dehydrogenase [Pseudomonas fluorescens SBW25]	208	0.46
gi 229360593 emb CAY47450.1	recombinase A [Pseudomonas fluorescens SBW25]	499	0.46
gi 229360496 emb CAY47353.1	putative iron utilisation protein [Pseudomonas fluorescens SBW25]	407	0.46
gi 229364029 emb CAY51593.1	putative histidine-binding periplasmic protein precursor [Pseudomonas fluorescens SBW25]	80	0.46
gi 229365246 emb CAY53558.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	163	0.45

gi 229360089 emb CAY46943.1	omega-amino acid--pyruvate aminotransferase [Pseudomonas fluorescens SBW25]	99	0.45
gi 229359677 emb CAY46525.1	putative ABC transport system, exported protein [Pseudomonas fluorescens SBW25]	485	0.45
gi 229365081 emb CAY53280.1	putrescine ABC transport system, substrate-binding periplasmic protein precursor [Pseudomonas fluorescens SBW25]	336	0.44
gi 229360687 emb CAY47545.1	CTP synthase [Pseudomonas fluorescens SBW25]	196	0.44
gi 229364186 emb CAY51851.1	preprotein translocase, ATPase secretion component (General Secretory Pathway) [Pseudomonas fluorescens SBW25]	1047	0.43
gi 229364150 emb CAY51790.1	glycine dehydrogenase [decarboxylating] [Pseudomonas fluorescens SBW25]	661	0.43
gi 229360333 emb CAY47190.1	putative exported protein [Pseudomonas fluorescens SBW25]	284	0.43
gi 229365217 emb CAY53511.1	putative phosphomannomutase/phosphoglucomutase [Pseudomonas fluorescens SBW25]	145	0.43
gi 229364766 emb CAY52761.1	50S ribosomal protein L2 [Pseudomonas fluorescens SBW25]	180	0.43
gi 229363699 emb CAY51077.1	ParA family ATPase [Pseudomonas fluorescens SBW25]	90	0.43
gi 229361985 emb CAY48885.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	386	0.43
gi 229361879 emb CAY48779.1	pyoverdine synthetase I [Pseudomonas fluorescens SBW25]	7077	0.42
gi 229364959 emb CAY53075.1	adenosylhomocysteinase [Pseudomonas fluorescens SBW25]	853	0.42
gi 229365169 emb CAY53427.1	argininosuccinate lyase [Pseudomonas fluorescens SBW25]	629	0.42
gi 229359775 emb CAY46625.1	glutamine synthetase [Pseudomonas fluorescens SBW25]	1068	0.42
gi 229361206 emb CAY48070.1	succinyl-CoA synthetase beta chain [Pseudomonas fluorescens SBW25]	434	0.42
gi 229364257 emb CAY51969.1	threonine synthase [Pseudomonas fluorescens SBW25]	306	0.42
gi 229362358 emb CAY49260.1	acyl-CoA dehydrogenase [Pseudomonas fluorescens SBW25]	163	0.42
gi 229364179 emb CAY51842.1	putative transmembrane protein [Pseudomonas fluorescens SBW25]	56	0.42
gi 229365022 emb CAY53183.1	putative sulfurtransferase [Pseudomonas fluorescens SBW25]	53	0.42
gi 229364202 emb CAY51876.1	pyruvate kinase [Pseudomonas fluorescens SBW25]	391	0.41
gi 229364294 emb CAY52029.1	inosine-5~-monophosphate dehydrogenase [Pseudomonas fluorescens SBW25]	166	0.41
gi 229362518 emb CAY49425.1	3-oxoacyl-[acyl-carrier-protein] synthase II [Pseudomonas fluorescens SBW25]	204	0.41
gi 229363944 emb CAY51467.1	electron transfer flavoprotein alpha-subunit [Pseudomonas fluorescens SBW25]	564	0.41
gi 229363740 emb CAY51145.1	aspartate aminotransferase [Pseudomonas fluorescens SBW25]	364	0.4
gi 229363900 emb CAY51397.1	putative carboxyvinyl-carboxyphosphonate phosphorylmutase [Pseudomonas fluorescens SBW25]	106	0.4
gi 229363669 emb CAY51023.1	pyoverdine synthetase A [Pseudomonas fluorescens SBW25]	6067	0.39
gi 229360677 emb CAY47535.1	putative surface exported protein [Pseudomonas fluorescens SBW25]	1138	0.39
gi 229360314 emb CAY47171.1	probable malate:quinone oxidoreductase [Pseudomonas fluorescens SBW25]	114	0.39
gi 229364996 emb CAY53136.1	dihydroorotase-like protein [Pseudomonas fluorescens SBW25]	735	0.39
gi 229363896 emb CAY51390.1	2-methylcitrate dehydratase [Pseudomonas fluorescens SBW25]	231	0.39
gi 229361114 emb CAY47977.1	probable protease (heat shock protein) [Pseudomonas fluorescens SBW25]	55	0.39
gi 229361847 emb CAY48745.1	putative TonB-receptor protein [Pseudomonas fluorescens SBW25]	674	0.38
gi 229363121 emb CAY50140.1	NADH dehydrogenase I chain C/D [Pseudomonas fluorescens SBW25]	224	0.38
gi 229359832 emb CAY46682.1	putative NADP-dependent malic enzyme [Pseudomonas fluorescens SBW25]	236	0.38
gi 229365065 emb CAY53254.1	D-3-phosphoglycerate dehydrogenase [Pseudomonas fluorescens SBW25]	194	0.38
gi 229362483 emb CAY49389.1	LysR-family transcriptional regulator [Pseudomonas fluorescens SBW25]	102	0.38
gi 229359779 emb CAY46629.1	glycogen phosphorylase [Pseudomonas fluorescens SBW25]	282	0.37
gi 229360628 emb CAY47486.1	lysyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	126	0.37
gi 229360561 emb CAY47418.1	argininosuccinate synthase [Pseudomonas fluorescens SBW25]	113	0.37

gi 229360348 emb CAY47205.1	S-adenosyl-methyltransferase [Pseudomonas fluorescens SBW25]	90	0.37
gi 229364412 emb CAY52207.1	thioredoxin reductase [Pseudomonas fluorescens SBW25]	70	0.37
gi 229360286 emb CAY47143.1	superoxide dismutase [Mn] [Pseudomonas fluorescens SBW25]	599	0.37
gi 229364769 emb CAY52766.1	50S ribosomal protein L3 [Pseudomonas fluorescens SBW25]	245	0.37
gi 229363655 emb CAY51001.1	putative aspartyl aminopeptidase [Pseudomonas fluorescens SBW25]	134	0.36
gi 229360306 emb CAY47163.1	histidinol dehydrogenase [Pseudomonas fluorescens SBW25]	104	0.36
gi 229362021 emb CAY48922.1	putative 6-phosphogluconate dehydrogenase, decarboxylating [Pseudomonas fluorescens SBW25]	70	0.36
gi 229360493 emb CAY47350.1	putative TonB-dependent receptor [Pseudomonas fluorescens SBW25]	261	0.35
gi 229364572 emb CAY52455.1	NADP-specific glutamate dehydrogenase [Pseudomonas fluorescens SBW25]	296	0.35
gi 229363726 emb CAY51125.1	putative flagellar hook associated protein (FlhD) [Pseudomonas fluorescens SBW25]	81	0.35
gi 229360663 emb CAY47521.1	putative lysine biosynthesis-related protein [Pseudomonas fluorescens SBW25]	152	0.35
gi 229362520 emb CAY49427.1	3-oxoacyl-[acyl-carrier-protein] synthase [Pseudomonas fluorescens SBW25]	141	0.35
gi 229364014 emb CAY51571.1	L-allo-threonine aldolase [Pseudomonas fluorescens SBW25]	151	0.35
gi 229364579 emb CAY52465.1	carbon starvation protein A [Pseudomonas fluorescens SBW25]	826	0.34
gi 229360331 emb CAY47188.1	putative medium-chain-fatty-acid--CoA ligase [Pseudomonas fluorescens SBW25]	595	0.34
gi 229360284 emb CAY47141.1	fumarate hydratase class II [Pseudomonas fluorescens SBW25]	539	0.34
gi 229364100 emb CAY51711.1	putative porin [Pseudomonas fluorescens SBW25]	416	0.34
gi 229360168 emb CAY47025.1	putative TonB-dependent exported protein [Pseudomonas fluorescens SBW25]	157	0.33
gi 229360235 emb CAY47092.1	putative outer membrane porin [Pseudomonas fluorescens SBW25]	474	0.33
gi 229360783 emb CAY47641.1	putative reductase [Pseudomonas fluorescens SBW25]	103	0.33
gi 229361515 emb CAY48391.1	probable succinyl-CoA:3-ketoacid-coenzyme A transferase subunit A [Pseudomonas fluorescens SBW25]	316	0.33
gi 229362266 emb CAY49168.1	putative TonB-dependent receptor YncD precursor [Pseudomonas fluorescens SBW25]	489	0.32
gi 229360271 emb CAY47128.1	glutamyl-tRNA(Gln) amidotransferase subunit A [Pseudomonas fluorescens SBW25]	162	0.32
gi 229363170 emb CAY50215.1	cysteinyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	77	0.32
gi 229363488 emb CAY50712.1	putative 3-isopropylmalate dehydrogenase [Pseudomonas fluorescens SBW25]	145	0.32
gi 229361044 emb CAY47906.1	polysaccharide biosynthesis protein [Pseudomonas fluorescens SBW25]	92	0.32
gi 229361049 emb CAY47912.1	putative 3-oxoacyl-[acyl-carrier-protein] synthase III [Pseudomonas fluorescens SBW25]	78	0.32
gi 229363208 emb CAY50280.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	250	0.32
gi 229360239 emb CAY47096.1	putative exported protein [Pseudomonas fluorescens SBW25]	234	0.32
gi 229362517 emb CAY49424.1	putative acyl CoA oxidase [Pseudomonas fluorescens SBW25]	676	0.31
gi 229364170 emb CAY51826.1	aspartyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	392	0.31
gi 229359777 emb CAY46627.1	putative elongation factor/GTP-binding protein TypA/BipA [Pseudomonas fluorescens SBW25]	569	0.31
gi 229359838 emb CAY46690.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	139	0.31
gi 229359912 emb CAY46766.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	109	0.31
gi 229362548 emb CAY49455.1	putative secreted pectate lyase [Pseudomonas fluorescens SBW25]	426	0.31
gi 229364152 emb CAY51794.1	putative aminomethyltransferase (glycine cleavage system T protein) [Pseudomonas fluorescens SBW25]	141	0.31
gi 229360729 emb CAY47587.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	67	0.31
gi 229362815 emb CAY49725.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	331	0.3
gi 229359698 emb CAY46546.1	phosphoenolpyruvate carboxykinase [ATP] [Pseudomonas fluorescens SBW25]	303	0.3
gi 229361426 emb CAY48301.1	cysteine desulfurase [Pseudomonas fluorescens SBW25]	219	0.3

gi 229360943 emb CAY47803.1	3-ketoacyl-CoA thiolase [Pseudomonas fluorescens SBW25]	207	0.3
gi 229365106 emb CAY53324.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	119	0.3
gi 229364304 emb CAY52041.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	65	0.3
gi 229364030 emb CAY51594.1	acetyl-coenzyme A synthetase [Pseudomonas fluorescens SBW25]	124	0.29
gi 229363982 emb CAY51521.1	putative ribonuclease E [Pseudomonas fluorescens SBW25]	924	0.28
gi 229360222 emb CAY47079.1	putative ornithine decarboxylase [Pseudomonas fluorescens SBW25]	92	0.28
gi 229360636 emb CAY47494.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	572	0.28
gi 229363883 emb CAY51367.1	putative membrane protein [Pseudomonas fluorescens SBW25]	464	0.28
gi 229359725 emb CAY46573.1	purative iron-transport related exported protein [Pseudomonas fluorescens SBW25]	386	0.27
gi 229364672 emb CAY52606.1	gamma-glutamyl phosphate reductase [Pseudomonas fluorescens SBW25]	246	0.27
gi 229360304 emb CAY47161.1	UDP-N-acetylglucosamine 1-carboxyvinyltransferase [Pseudomonas fluorescens SBW25]	152	0.27
gi 229364104 emb CAY51718.1	maltose-binding protein [Pseudomonas fluorescens SBW25]	95	0.27
gi 229361115 emb CAY47978.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	73	0.27
gi 229364419 emb CAY52219.1	putative putative GTP-binding protein [Pseudomonas fluorescens SBW25]	68	0.27
gi 229364013 emb CAY51570.1	alanyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	164	0.26
gi 229365226 emb CAY53526.1	guanosine-3~,5~-bis(diphosphate) 3~-pyrophosphohydrolase [Pseudomonas fluorescens SBW25]	118	0.26
gi 229359946 emb CAY46800.1	adenylosuccinate synthetase [Pseudomonas fluorescens SBW25]	81	0.26
gi 229362543 emb CAY49450.1	putative non-ribosomal peptide synthetase [Pseudomonas fluorescens SBW25]	886	0.25
gi 229365298 emb CAY53646.1	oxaloacetate decarboxylase alpha chain [Pseudomonas fluorescens SBW25]	84	0.25
gi 229361198 emb CAY48062.1	citrate synthase [Pseudomonas fluorescens SBW25]	251	0.25
gi 229364602 emb CAY52500.1	putative ABC transport system, outer membrane protein [Pseudomonas fluorescens SBW25]	97	0.25
gi 229363860 emb CAY51327.1	putative cell division protein [Pseudomonas fluorescens SBW25]	591	0.25
gi 229364606 emb CAY52504.1	putative TonB-dependent receptor protein [Pseudomonas fluorescens SBW25]	159	0.24
gi 229365055 emb CAY53239.1	phosphoenolpyruvate-protein phosphotransferase [Pseudomonas fluorescens SBW25]	272	0.24
gi 229364325 emb CAY52076.1	preprotein translocase, auxillary membrane component (General Secretory Pathway) [Pseudomonas fluorescens SBW25]	97	0.24
gi 229364247 emb CAY51951.1	proline tRNA synthetase [Pseudomonas fluorescens SBW25]	212	0.24
gi 229363802 emb CAY51237.1	ATP-dependent RNA helicase [Pseudomonas fluorescens SBW25]	63	0.24
gi 229365102 emb CAY53317.1	putative membrane protein [Pseudomonas fluorescens SBW25]	210	0.24
gi 229360362 emb CAY47219.1	UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase [Pseudomonas fluorescens SBW25]	210	0.24
gi 229360545 emb CAY47402.1	glutamate/aspartate ABC transport system, periplasmic binding protein precursor [Pseudomonas fluorescens SBW25]	192	0.24
gi 229361247 emb CAY48111.1	acyl-coenzyme A dehydrogenase [Pseudomonas fluorescens SBW25]	126	0.23
gi 229364834 emb CAY52873.1	RNA polymerase sigma factor (sigma-70) [Pseudomonas fluorescens SBW25]	288	0.23
gi 229360090 emb CAY46944.1	methylmalonate-semialdehyde dehydrogenase [Pseudomonas fluorescens SBW25]	223	0.23
gi 229361277 emb CAY48141.1	putative exported protein [Pseudomonas fluorescens SBW25]	161	0.23
gi 229363723 emb CAY51119.1	putative two-component system, response regulator nitrogen regulation protein NR(I) [Pseudomonas fluorescens SBW25]	325	0.22
gi 229364686 emb CAY52632.1	putative aldehyde dehydrogenase [Pseudomonas fluorescens SBW25]	158	0.22
gi 229361647 emb CAY48527.1	methylmalonate-semialdehyde dehydrogenase [Pseudomonas fluorescens SBW25]	84	0.22
gi 229362544 emb CAY49451.1	putative non-ribosomal peptide synthetase [Pseudomonas fluorescens SBW25]	823	0.21
gi 229364334 emb CAY52089.1	putative ATP-binding protein [Pseudomonas fluorescens SBW25]	137	0.21
gi 229362000 emb CAY48901.1	putative cobalamin biosynthesis-related protein [Pseudomonas fluorescens SBW25]	680	0.21

gi 229363125 emb CAY50144.1	NADH-quinone oxidoreductase chain H [Pseudomonas fluorescens SBW25]	269	0.21
gi 229365303 emb CAY53652.1	DNA helicase II [Pseudomonas fluorescens SBW25]	181	0.2
gi 229360237 emb CAY47094.1	dipeptide ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	146	0.2
gi 229362324 emb CAY49226.1	putative 4-hydroxyphenylpyruvate dioxygenase [Pseudomonas fluorescens SBW25]	299	0.2
gi 229365160 emb CAY53413.1	transcriptional regulatory protein algp (alginate regulatory protein algr3) [Pseudomonas fluorescens SBW25]	246	0.2
gi 229362542 emb CAY49449.1	putative non-ribosomal peptide synthetase [Pseudomonas fluorescens SBW25]	816	0.19
gi 229362669 emb CAY49579.1	putative amidase [Pseudomonas fluorescens SBW25]	278	0.19
gi 229360447 emb CAY47304.1	iron (III) dicitrate transport protein precursor [Pseudomonas fluorescens SBW25]	82	0.19
gi 229361887 emb CAY48787.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	389	0.19
gi 229360773 emb CAY47631.1	chaperone [Pseudomonas fluorescens SBW25]	61	0.19
gi 229360361 emb CAY47218.1	cell division protein [Pseudomonas fluorescens SBW25]	238	0.19
gi 229362214 emb CAY49116.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	219	0.19
gi 229362541 emb CAY49448.1	putative non-ribosomal peptide synthetase [Pseudomonas fluorescens SBW25]	158	0.18
gi 229360465 emb CAY47322.1	GTP-binding protein [Pseudomonas fluorescens SBW25]	90	0.18
gi 229359480 emb CAY46321.1	tryptophan synthase beta chain [Pseudomonas fluorescens SBW25]	240	0.18
gi 229359945 emb CAY46799.1	putative ATP phosphoribosyltransferase regulatory subunit [Pseudomonas fluorescens SBW25]	225	0.18
gi 229364285 emb CAY52013.1	phosphoribosylformylglycinamide synthase [Pseudomonas fluorescens SBW25]	358	0.17
gi 229362800 emb CAY49710.1	aconitate hydratase B [Pseudomonas fluorescens SBW25]	143	0.17
gi 229359586 emb CAY46428.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	123	0.17
gi 229364502 emb CAY52351.1	protein chain initiation factor 2 [Pseudomonas fluorescens SBW25]	366	0.17
gi 229362012 emb CAY48913.1	putative aminopeptidase N [Pseudomonas fluorescens SBW25]	1392	0.16
gi 229360194 emb CAY47051.1	chaperone [Pseudomonas fluorescens SBW25]	284	0.16
gi 229364946 emb CAY53056.1	transketolase 1 [Pseudomonas fluorescens SBW25]	65	0.16
gi 229360068 emb CAY46922.1	putative short chain dehydrogenase/reductase [Pseudomonas fluorescens SBW25]	283	0.16
gi 229359492 emb CAY46333.1	oligopeptidase A [Pseudomonas fluorescens SBW25]	58	0.15
gi 229360775 emb CAY47633.1	acriflavine resistance protein B [Pseudomonas fluorescens SBW25]	1003	0.14
gi 229363106 emb CAY50113.1	ATP-dependent Clp protease ATP-binding subunit ClpA [Pseudomonas fluorescens SBW25]	71	0.14
gi 229363501 emb CAY50735.1	putative glutamyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	328	0.14
gi 229363226 emb CAY50309.1	DNA-binding ATP-dependent protease La; heat shock K-protein [Pseudomonas fluorescens SBW25]	128	0.13
gi 229363440 emb CAY50635.1	phenylalanyl-tRNA synthetase beta chain [Pseudomonas fluorescens SBW25]	87	0.13
gi 229360492 emb CAY47349.1	quinoprotein glucose dehydrogenase [Pseudomonas fluorescens SBW25]	82	0.13
gi 229362374 emb CAY49276.1	putative methyl-accepting chemotaxis protein [Pseudomonas fluorescens SBW25]	263	0.13
gi 229360748 emb CAY47606.1	RNA polymerase associated protein [Pseudomonas fluorescens SBW25]	148	0.11
gi 229364426 emb CAY52231.1	methyl-accepting chemotaxis protein II [Pseudomonas fluorescens SBW25]	259	0.11
gi 229364514 emb CAY52369.1	carbamoyl-phosphate synthase large chain [Pseudomonas fluorescens SBW25]	77	0.1
gi 229359884 emb CAY46737.1	putative glutamate-ammonia-ligase adenyltransferase [Pseudomonas fluorescens SBW25]	72	0.1
gi 229362368 emb CAY49270.1	putative formyl transferase [Pseudomonas fluorescens SBW25]	612	0.1
gi 229365244 emb CAY53554.1	putative membrane protein [Pseudomonas fluorescens SBW25]	57	0.09
gi 229359874 emb CAY46727.1	bifunctional PutA protein [Pseudomonas fluorescens SBW25]	69	0.08
gi 229361030 emb CAY47892.1	DNA gyrase subunit A [Pseudomonas fluorescens SBW25]	260	0.08



gi 229359839 emb CAY46691.1	glutamate synthase [NADPH] large chain precursor [Pseudomonas fluorescens SBW25]	75	0.07
gi 229362510 emb CAY49417.1	putative adhesin [Pseudomonas fluorescens SBW25]	177	0.04
gi 229362566 emb CAY49473.1	putative adhesin [Pseudomonas fluorescens SBW25]	152	0.03

**Biofilm MV sample**

Note: Human contaminants removed.

ID	Protein	prot_score	emPAI
gi 229363728 emb CAY51128.1	flagellin [Pseudomonas fluorescens SBW25]	28622	5.36
gi 229361881 emb CAY48781.1	ferripyoverdine receptor precursor [Pseudomonas fluorescens SBW25]	28858	4.75
gi 229364161 emb CAY51810.1	TolB colicin import protein [Pseudomonas fluorescens SBW25]	5548	4.29
gi 229364712 emb CAY52676.1	6,7-dimethyl-8-ribityllumazine synthase [Pseudomonas fluorescens SBW25]	685	2.57
gi 229360670 emb CAY47528.1	elongation factor [Pseudomonas fluorescens SBW25]	663	2.24
gi 229364221 emb CAY51907.1	putative exported heme receptor protein [Pseudomonas fluorescens SBW25]	15939	2.2
gi 229364725 emb CAY52696.1	putative ABC transport system, outer membrane exported protein [Pseudomonas fluorescens SBW25]	2128	2.16
gi 229360345 emb CAY47202.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	5246	1.87
gi 229360318 emb CAY47175.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	4312	1.8
gi 229362537 emb CAY49444.1	putative TonB-dependent outer membrane receptor [Pseudomonas fluorescens SBW25]	3229	1.73
gi 229364468 emb CAY52297.1	ketol-acid reductoisomerase [Pseudomonas fluorescens SBW25]	1248	1.69
gi 229359762 emb CAY46612.1	carboxy-terminal processing protease precursor [Pseudomonas fluorescens SBW25]	1905	1.54
gi 229360012 emb CAY46866.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	3423	1.51
gi 229360407 emb CAY47264.1	putative amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	2088	1.41
gi 229360727 emb CAY47585.1	putative membrane protein [Pseudomonas fluorescens SBW25]	684	1.4
gi 229360636 emb CAY47494.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	3075	1.39
gi 229364178 emb CAY51840.1	putative family S43 non-peptidase homologue [Pseudomonas fluorescens SBW25]	2487	1.34
gi 229363881 emb CAY51363.1	putative outer membrane porin A protein [Pseudomonas fluorescens SBW25]	9019	1.29
gi 229364240 emb CAY51939.1	chaperone Hsp60, peptide-dependent ATPase, heat shock protein [Pseudomonas fluorescens SBW25]	2691	1.28
gi 229364385 emb CAY52165.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	1289	1.27
gi 229361136 emb CAY47999.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	561	1.27
gi 229365095 emb CAY53304.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	4165	1.24
gi 229364160 emb CAY51808.1	putative OmpA family lipoprotein [Pseudomonas fluorescens SBW25]	1561	1.21
gi 229364173 emb CAY51832.1	putative ferritin DPS-family DNA binding protein [Pseudomonas fluorescens SBW25]	557	1.2
gi 229359915 emb CAY46769.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	655	1.17
gi 229359726 emb CAY46574.1	outer membrane protein, oprE3 precursor [Pseudomonas fluorescens SBW25]	3162	1.15
gi 229364115 emb CAY51736.1	putative exported protein [Pseudomonas fluorescens SBW25]	2894	1.14
gi 229364029 emb CAY51593.1	putative histidine-binding periplasmic protein precursor [Pseudomonas fluorescens SBW25]	330	1.12
gi 229359677 emb CAY46525.1	putative ABC transport system, exported protein [Pseudomonas fluorescens SBW25]	930	1.11
gi 229363756 emb CAY51170.1	putative fatty acid transport system, membrane protein [Pseudomonas fluorescens SBW25]	794	1.02
gi 229360239 emb CAY47096.1	putative exported protein [Pseudomonas fluorescens SBW25]	334	1
gi 229364518 emb CAY52373.1	chaperone protein DnaK (HSP70) [Pseudomonas fluorescens SBW25]	3014	0.99
gi 229360462 emb CAY47319.1	cytosol aminopeptidase [Pseudomonas fluorescens SBW25]	1519	0.99
gi 229364964 emb CAY53084.1	putative exported protein [Pseudomonas fluorescens SBW25]	397	0.98
gi 229360548 emb CAY47405.1	glycerol kinase [Pseudomonas fluorescens SBW25]	1477	0.92
gi 229365349 emb CAY53727.1	ATP synthase alpha chain [Pseudomonas fluorescens SBW25]	971	0.92

gi 229363458 emb CAY50667.1	putative L-asparaginase II precursor [Pseudomonas fluorescens SBW25]	891	0.91
gi 229363134 emb CAY50159.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	599	0.91
gi 229362693 emb CAY49603.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	2877	0.9
gi 229359800 emb CAY46650.1	glucans biosynthesis protein G precursor [Pseudomonas fluorescens SBW25]	1863	0.88
gi 229362018 emb CAY48919.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	1644	0.85
gi 229361847 emb CAY48745.1	putative TonB-receptor protein [Pseudomonas fluorescens SBW25]	1618	0.83
gi 229361207 emb CAY48071.1	succinyl-CoA synthetase alpha chain [Pseudomonas fluorescens SBW25]	436	0.81
gi 229364778 emb CAY52781.1	50S ribosomal protein L10 [Pseudomonas fluorescens SBW25]	55	0.81
gi 229364779 emb CAY52783.1	50S ribosomal protein L1 [Pseudomonas fluorescens SBW25]	422	0.8
gi 229365347 emb CAY53725.1	ATP synthase beta chain [Pseudomonas fluorescens SBW25]	1049	0.79
gi 229364770 emb CAY52768.1	30S ribosomal protein S10 [Pseudomonas fluorescens SBW25]	70	0.79
gi 229364100 emb CAY51711.1	putative porin [Pseudomonas fluorescens SBW25]	790	0.78
gi 229363660 emb CAY51010.1	diaminobutyrate--2-oxoglutarate aminotransferase [Pseudomonas fluorescens SBW25]	767	0.78
gi 229360493 emb CAY47350.1	putative TonB-dependent receptor [Pseudomonas fluorescens SBW25]	1202	0.74
gi 229360153 emb CAY47010.1	putative exported protein [Pseudomonas fluorescens SBW25]	149	0.74
gi 229360678 emb CAY47536.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	117	0.74
gi 229364606 emb CAY52504.1	putative TonB-dependent receptor protein [Pseudomonas fluorescens SBW25]	886	0.71
gi 229360545 emb CAY47402.1	glutamate/aspartate ABC transport system, periplasmic binding protein precursor [Pseudomonas fluorescens SBW25]	1311	0.71
gi 229365228 emb CAY53529.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	342	0.71
gi 229361206 emb CAY48070.1	succinyl-CoA synthetase beta chain [Pseudomonas fluorescens SBW25]	1392	0.68
gi 229362266 emb CAY49168.1	putative TonB-dependent receptor YncD precursor [Pseudomonas fluorescens SBW25]	1251	0.67
gi 229359512 emb CAY46353.1	putative D-methionine ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	78	0.67
gi 229360333 emb CAY47190.1	putative exported protein [Pseudomonas fluorescens SBW25]	123	0.65
gi 229362520 emb CAY49427.1	3-oxoacyl-[acyl-carrier-protein] synthase [Pseudomonas fluorescens SBW25]	123	0.65
gi 229360663 emb CAY47521.1	putative lysine biosynthesis-related protein [Pseudomonas fluorescens SBW25]	113	0.64
gi 229363451 emb CAY50654.1	putative inosine-uridine preferring nucleoside hydrolase [Pseudomonas fluorescens SBW25]	559	0.63
gi 229360143 emb CAY47000.1	putative ribosomal protein L25p family [Pseudomonas fluorescens SBW25]	81	0.63
gi 229363996 emb CAY51545.1	putative flagellar hook protein [Pseudomonas fluorescens SBW25]	375	0.61
gi 229364145 emb CAY51782.1	ornithine carbamoyltransferase, catabolic [Pseudomonas fluorescens SBW25]	617	0.61
gi 229360742 emb CAY47600.1	branched amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	614	0.57
gi 229360870 emb CAY47729.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	742	0.56
gi 229360807 emb CAY47665.1	probable alcohol dehydrogenase [Pseudomonas fluorescens SBW25]	132	0.56
gi 229359963 emb CAY46817.1	azurin precursor [Pseudomonas fluorescens SBW25]	142	0.55
gi 229363585 emb CAY50877.1	putative putative heat shock protein A [Pseudomonas fluorescens SBW25]	587	0.52
gi 229361277 emb CAY48141.1	putative exported protein [Pseudomonas fluorescens SBW25]	192	0.51
gi 229363945 emb CAY51470.1	electron transfer flavoprotein beta-subunit [Pseudomonas fluorescens SBW25]	246	0.5
gi 229364773 emb CAY52773.1	30S ribosomal protein S7 [Pseudomonas fluorescens SBW25]	62	0.49
gi 229365027 emb CAY53190.1	phosphopantetheine adenyllyltransferase [Pseudomonas fluorescens SBW25]	68	0.48
gi 229364498 emb CAY52345.1	polynucleotide phosphorylase/polyadenylase [Pseudomonas fluorescens SBW25]	264	0.47
gi 229363775 emb CAY51194.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	587	0.47

gi 229360168 emb CAY47025.1	putative TonB-dependent exported protein [Pseudomonas fluorescens SBW25]	403	0.46
gi 229359725 emb CAY46573.1	purative iron-transport related exported protein [Pseudomonas fluorescens SBW25]	346	0.46
gi 229364941 emb CAY53048.1	fructose-bisphosphate aldolase [Pseudomonas fluorescens SBW25]	89	0.45
gi 229360326 emb CAY47183.1	putative exported peptidase [Pseudomonas fluorescens SBW25]	273	0.44
gi 229364754 emb CAY52740.1	50S ribosomal protein L6 [Pseudomonas fluorescens SBW25]	73	0.44
gi 229360235 emb CAY47092.1	putative outer membrane porin [Pseudomonas fluorescens SBW25]	890	0.43
gi 229360863 emb CAY47722.1	putative exported heat-shock adaptation serine protease [Pseudomonas fluorescens SBW25]	974	0.43
gi 229361513 emb CAY48389.1	putative acetyl-CoA transferase [Pseudomonas fluorescens SBW25]	473	0.43
gi 229359803 emb CAY46653.1	putative ABC transport system, exported protein [Pseudomonas fluorescens SBW25]	174	0.43
gi 229361985 emb CAY48885.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	121	0.43
gi 229362669 emb CAY49579.1	putative amidase [Pseudomonas fluorescens SBW25]	992	0.42
gi 229364304 emb CAY52041.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	224	0.42
gi 229364817 emb CAY52842.1	putative exported organic solvent tolerance protein [Pseudomonas fluorescens SBW25]	203	0.41
gi 229360534 emb CAY47391.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	663	0.41
gi 229362312 emb CAY49214.1	UTP--glucose-1-phosphate uridylyltransferase [Pseudomonas fluorescens SBW25]	220	0.41
gi 229364757 emb CAY52745.1	50S ribosomal protein L5 [Pseudomonas fluorescens SBW25]	123	0.41
gi 229360341 emb CAY47198.1	putative phospholipid-binding lipoprotein [Pseudomonas fluorescens SBW25]	64	0.41
gi 229362316 emb CAY49218.1	alkyl hydroperoxide reductase protein [Pseudomonas fluorescens SBW25]	41	0.41
gi 229360147 emb CAY47004.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	399	0.4
gi 229361408 emb CAY48283.1	putative ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	68	0.4
gi 229364519 emb CAY52374.1	protein GrpE (HSP-70 cofactor) [Pseudomonas fluorescens SBW25]	239	0.4
gi 229363896 emb CAY51390.1	2-methylcitrate dehydratase [Pseudomonas fluorescens SBW25]	276	0.39
gi 229363478 emb CAY50697.1	O-succinylhomoserine sulphydrylase [Pseudomonas fluorescens SBW25]	168	0.39
gi 229361099 emb CAY47962.1	putative elongation factor [Pseudomonas fluorescens SBW25]	110	0.39
gi 229365237 emb CAY53542.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	287	0.38
gi 229360557 emb CAY47414.1	putative alkyl hydroperoxide reductase [Pseudomonas fluorescens SBW25]	320	0.38
gi 229362957 emb CAY49887.1	putative peptidase [Pseudomonas fluorescens SBW25]	133	0.37
gi 229362643 emb CAY49551.1	putative rhizopine biosynthesis/dihydropicolinate synthase [Pseudomonas fluorescens SBW25]	76	0.37
gi 229364769 emb CAY52766.1	50S ribosomal protein L3 [Pseudomonas fluorescens SBW25]	89	0.37
gi 229363655 emb CAY51001.1	putative aspartyl aminopeptidase [Pseudomonas fluorescens SBW25]	132	0.36
gi 229360146 emb CAY47003.1	putative outer-membrane lipoprotein [Pseudomonas fluorescens SBW25]	336	0.36
gi 229360305 emb CAY47162.1	ATP phosphoribosyltransferase [Pseudomonas fluorescens SBW25]	39	0.36
gi 229361213 emb CAY48077.1	chaperone (heat shock protein) [Pseudomonas fluorescens SBW25]	124	0.35
gi 229364248 emb CAY51953.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	307	0.35
gi 229364492 emb CAY52336.1	glucose-6-phosphate isomerase [Pseudomonas fluorescens SBW25]	225	0.34
gi 229360284 emb CAY47141.1	fumarate hydratase class II [Pseudomonas fluorescens SBW25]	581	0.34
gi 229364818 emb CAY52844.1	putative chaperone [Pseudomonas fluorescens SBW25]	347	0.34
gi 229364744 emb CAY52723.1	DNA-directed RNA polymerase alpha chain [Pseudomonas fluorescens SBW25]	195	0.34
gi 229364790 emb CAY52800.1	N-acetyl-gamma-glutamyl-phosphate reductase [Pseudomonas fluorescens SBW25]	101	0.34
gi 229359606 emb CAY46448.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	53	0.34

gi 229360942 emb CAY47802.1	fatty oxidation complex alpha subunit [Pseudomonas fluorescens SBW25]	126	0.33
gi 229361205 emb CAY48069.1	dihydrolipoyl dehydrogenase [Pseudomonas fluorescens SBW25]	173	0.33
gi 229364959 emb CAY53075.1	adenosylhomocysteinase [Pseudomonas fluorescens SBW25]	110	0.33
gi 229360191 emb CAY47048.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	478	0.32
gi 229363973 emb CAY51508.1	3-oxoacyl-[acyl-carrier protein] reductase [Pseudomonas fluorescens SBW25]	54	0.32
gi 229365019 emb CAY53178.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	293	0.31
gi 229359912 emb CAY46766.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	136	0.31
gi 229363297 emb CAY50405.1	putative exported protein [Pseudomonas fluorescens SBW25]	113	0.31
gi 229365081 emb CAY53280.1	putrescine ABC transport system, substrate-binding periplasmic protein precursor [Pseudomonas fluorescens SBW25]	374	0.31
gi 229363220 emb CAY50301.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	434	0.3
gi 229359974 emb CAY46828.1	putative amino acid oxidase [Pseudomonas fluorescens SBW25]	401	0.3
gi 229360709 emb CAY47567.1	putative amino acid transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	64	0.3
gi 229359882 emb CAY46735.1	dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex [Pseudomonas fluorescens SBW25]	382	0.29
gi 229362357 emb CAY49259.1	putative phenylacetic acid degradation enoyl-CoA hydratase [Pseudomonas fluorescens SBW25]	215	0.29
gi 229359741 emb CAY46590.1	putative amino acid ABC transport system, membrane protein [Pseudomonas fluorescens SBW25]	81	0.29
gi 229364150 emb CAY51790.1	glycine dehydrogenase [decarboxylating] [Pseudomonas fluorescens SBW25]	550	0.28
gi 229360677 emb CAY47535.1	putative surface exported protein [Pseudomonas fluorescens SBW25]	573	0.28
gi 229364771 emb CAY52770.1	elongation factor TU [Pseudomonas fluorescens SBW25]	533	0.28
gi 229363503 emb CAY50737.1	aromatic-amino-acid aminotransferase [Pseudomonas fluorescens SBW25]	177	0.28
gi 229364159 emb CAY51806.1	putative exported protein [Pseudomonas fluorescens SBW25]	373	0.28
gi 229359623 emb CAY46465.1	4-aminobutyrate aminotransferase [Pseudomonas fluorescens SBW25]	202	0.27
gi 229364672 emb CAY52606.1	gamma-glutamyl phosphate reductase [Pseudomonas fluorescens SBW25]	98	0.27
gi 229364012 emb CAY51568.1	aspartokinase [Pseudomonas fluorescens SBW25]	86	0.27
gi 229364766 emb CAY52761.1	50S ribosomal protein L2 [Pseudomonas fluorescens SBW25]	160	0.27
gi 229361927 emb CAY48827.1	putative TonB-dependent receptor [Pseudomonas fluorescens SBW25]	309	0.26
gi 229364772 emb CAY52772.1	elongation factor G [Pseudomonas fluorescens SBW25]	249	0.26
gi 229361242 emb CAY48106.1	putative dipeptidase [Pseudomonas fluorescens SBW25]	72	0.26
gi 229359883 emb CAY46736.1	pyruvate dehydrogenase E1 component [Pseudomonas fluorescens SBW25]	571	0.25
gi 229365298 emb CAY53646.1	oxaloacetate decarboxylase alpha chain [Pseudomonas fluorescens SBW25]	87	0.25
gi 229364659 emb CAY52587.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	108	0.25
gi 229363229 emb CAY50312.1	trigger factor [Pseudomonas fluorescens SBW25]	104	0.25
gi 229365218 emb CAY53512.1	acetylglutamate kinase [Pseudomonas fluorescens SBW25]	110	0.25
gi 229360447 emb CAY47304.1	iron (III) dicitrate transport protein precursor [Pseudomonas fluorescens SBW25]	298	0.24
gi 229365018 emb CAY53176.1	putative peptidase [Pseudomonas fluorescens SBW25]	112	0.24
gi 229365217 emb CAY53511.1	putative phosphomannomutase/phosphoglucomutase [Pseudomonas fluorescens SBW25]	67	0.24
gi 229363114 emb CAY50127.1	adenylosuccinate lyase [Pseudomonas fluorescens SBW25]	59	0.24
gi 229361917 emb CAY48817.1	putative rhizopine-binding ABC transporter protein [Pseudomonas fluorescens SBW25]	127	0.24
gi 229363457 emb CAY50665.1	putative ribose transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	101	0.24
gi 229361086 emb CAY47949.1	conserved hypothetical exported protein [Pseudomonas fluorescens SBW25]	85	0.24
gi 229363482 emb CAY50703.1	acetyl CoA carboxylase, carboxyltransferase subunit beta [Pseudomonas fluorescens SBW25]	64	0.24

gi 229363888 emb CAY51376.1	putative phosphoenolpyruvate synthase [Pseudomonas fluorescens SBW25]	294	0.23
gi 229359775 emb CAY46625.1	glutamine synthetase [Pseudomonas fluorescens SBW25]	404	0.23
gi 229365169 emb CAY53427.1	argininosuccinate lyase [Pseudomonas fluorescens SBW25]	85	0.23
gi 229364422 emb CAY52224.1	octaprenyl-diphosphate synthase [Pseudomonas fluorescens SBW25]	42	0.23
gi 229362368 emb CAY49270.1	putative formyl transferase [Pseudomonas fluorescens SBW25]	220	0.22
gi 229364218 emb CAY51902.1	glyceraldehyde 3-phosphate dehydrogenase 1 [Pseudomonas fluorescens SBW25]	160	0.22
gi 229364995 emb CAY53133.1	aspartate carbamoyltransferase [Pseudomonas fluorescens SBW25]	62	0.22
gi 229361717 emb CAY48598.1	putative TonB-dependent siderophore receptor [Pseudomonas fluorescens SBW25]	80	0.2
gi 229364293 emb CAY52028.1	GMP synthase (glutamine-hydrolyzing) [Pseudomonas fluorescens SBW25]	81	0.2
gi 229360610 emb CAY47467.1	glucans biosynthesis protein D precursor [Pseudomonas fluorescens SBW25]	68	0.2
gi 229359969 emb CAY46823.1	putative branched amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	232	0.2
gi 229363488 emb CAY50712.1	putative 3-isopropylmalate dehydrogenase [Pseudomonas fluorescens SBW25]	79	0.2
gi 229365160 emb CAY53413.1	transcriptional regulatory protein algp (alginate regulatory protein algr3) [Pseudomonas fluorescens SBW25]	72	0.2
gi 229364152 emb CAY51794.1	putative aminomethyltransferase (glycine cleavage system T protein) [Pseudomonas fluorescens SBW25]	54	0.2
gi 229360794 emb CAY47652.1	periplasmic beta-glucosidase precursor [Pseudomonas fluorescens SBW25]	122	0.19
gi 229362548 emb CAY49455.1	putative secreted pectate lyase [Pseudomonas fluorescens SBW25]	544	0.19
gi 229360943 emb CAY47803.1	3-ketoacyl-CoA thiolase [Pseudomonas fluorescens SBW25]	162	0.19
gi 229364300 emb CAY52035.1	2-isopropylmalate synthase [Pseudomonas fluorescens SBW25]	126	0.19
gi 229363487 emb CAY50710.1	aspartate-semialdehyde dehydrogenase [Pseudomonas fluorescens SBW25]	93	0.19
gi 229362518 emb CAY49425.1	3-oxoacyl-[acyl-carrier-protein] synthase II [Pseudomonas fluorescens SBW25]	77	0.19
gi 229362358 emb CAY49260.1	acyl-CoA dehydrogenase [Pseudomonas fluorescens SBW25]	64	0.19
gi 229359476 emb CAY46317.1	galactonate dehydratase [Pseudomonas fluorescens SBW25]	64	0.19
gi 229364515 emb CAY52370.1	carbamoyl-phosphate synthase small chain [Pseudomonas fluorescens SBW25]	63	0.19
gi 229364664 emb CAY52594.1	putative cell division-related protein [Pseudomonas fluorescens SBW25]	53	0.19
gi 229364775 emb CAY52776.1	DNA-directed RNA polymerase beta~ chain [Pseudomonas fluorescens SBW25]	310	0.18
gi 229360332 emb CAY47189.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	250	0.18
gi 229364996 emb CAY53136.1	dihydroorotase-like protein [Pseudomonas fluorescens SBW25]	90	0.18
gi 229363188 emb CAY50246.1	putative acyl-CoA dehydrogenase [Pseudomonas fluorescens SBW25]	65	0.18
gi 229363731 emb CAY51133.1	putative flagellar hook-associated protein [Pseudomonas fluorescens SBW25]	79	0.17
gi 229359832 emb CAY46682.1	putative NADP-dependent malic enzyme [Pseudomonas fluorescens SBW25]	228	0.17
gi 229363109 emb CAY50118.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	144	0.17
gi 229360689 emb CAY47547.1	enolase [Pseudomonas fluorescens SBW25]	81	0.17
gi 229359946 emb CAY46800.1	adenylosuccinate synthetase [Pseudomonas fluorescens SBW25]	63	0.17
gi 229362026 emb CAY48927.1	putative exported protein [Pseudomonas fluorescens SBW25]	60	0.17
gi 229359825 emb CAY46675.1	ATP-dependent hsl protease ATP-binding subunit [Pseudomonas fluorescens SBW25]	46	0.16
gi 229359622 emb CAY46464.1	succinate-semialdehyde dehydrogenase [NADP+] [Pseudomonas fluorescens SBW25]	101	0.15
gi 229362514 emb CAY49421.1	putative FAD-binding oxidase [Pseudomonas fluorescens SBW25]	96	0.15
gi 229365209 emb CAY53495.1	putative aldehyde dehydrogenase [Pseudomonas fluorescens SBW25]	71	0.15
gi 229364202 emb CAY51876.1	pyruvate kinase [Pseudomonas fluorescens SBW25]	51	0.15
gi 229365064 emb CAY53252.1	putative oxidase [Pseudomonas fluorescens SBW25]	48	0.15

gi 229361024 emb CAY47886.1	putative peptide ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	51	0.14
gi 229362022 emb CAY48923.1	glucose-6-phosphate 1-dehydrogenase [Pseudomonas fluorescens SBW25]	33	0.14
gi 229364870 emb CAY52932.1	putative TonB-dependent membrane protein [Pseudomonas fluorescens SBW25]	265	0.13
gi 229364502 emb CAY52351.1	protein chain initiation factor 2 [Pseudomonas fluorescens SBW25]	92	0.13
gi 229359586 emb CAY46428.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	70	0.13
gi 229363226 emb CAY50309.1	DNA-binding ATP-dependent protease La; heat shock K-protein [Pseudomonas fluorescens SBW25]	59	0.13
gi 229360237 emb CAY47094.1	dipeptide ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	85	0.13
gi 229365213 emb CAY53502.1	putative transport-related, exported protein [Pseudomonas fluorescens SBW25]	56	0.13
gi 229361201 emb CAY48065.1	succinate dehydrogenase flavoprotein subunit [Pseudomonas fluorescens SBW25]	143	0.12
gi 229360121 emb CAY46975.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	113	0.12
gi 229361036 emb CAY47898.1	30S ribosomal protein S1 [Pseudomonas fluorescens SBW25]	57	0.12
gi 229361427 emb CAY48302.1	putative peptidase [Pseudomonas fluorescens SBW25]	44	0.12
gi 229359828 emb CAY46678.1	arginyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	40	0.12
gi 229365033 emb CAY53201.1	dihydroxy-acid dehydratase [Pseudomonas fluorescens SBW25]	35	0.12
gi 229359777 emb CAY46627.1	putative elongation factor/GTP-binding protein TypA/BipA [Pseudomonas fluorescens SBW25]	63	0.11
gi 229363982 emb CAY51521.1	putative ribonuclease E [Pseudomonas fluorescens SBW25]	85	0.1
gi 229359492 emb CAY46333.1	oligopeptidase A [Pseudomonas fluorescens SBW25]	61	0.1
gi 229359576 emb CAY46418.1	putative exported protein [Pseudomonas fluorescens SBW25]	44	0.1
gi 229363110 emb CAY50120.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	81	0.09
gi 229360429 emb CAY47286.1	putative ferric siderophore receptor [Pseudomonas fluorescens SBW25]	59	0.09
gi 229361030 emb CAY47892.1	DNA gyrase subunit A [Pseudomonas fluorescens SBW25]	55	0.08
gi 229362800 emb CAY49710.1	aconitate hydratase B [Pseudomonas fluorescens SBW25]	41	0.08
gi 229364776 emb CAY52777.1	DNA-directed RNA polymerase beta chain [Pseudomonas fluorescens SBW25]	82	0.05
gi 229364285 emb CAY52013.1	phosphoribosylformylglycinamide synthase [Pseudomonas fluorescens SBW25]	74	0.05
gi 229362815 emb CAY49725.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	305	0.04
gi 229359591 emb CAY46433.1	putative adhesin [Pseudomonas fluorescens SBW25]	34	0.03

## Plankton MV sample

Note: Human contaminants removed.

ID	Protein	prot_score	emPAI
gi 229364773 emb CAY52773.1	30S ribosomal protein S7 [Pseudomonas fluorescens SBW25]	1211	2.28
gi 229364161 emb CAY51810.1	TolB colicin import protein [Pseudomonas fluorescens SBW25]	2081	1.89
gi 229364145 emb CAY51782.1	ornithine carbamoyltransferase, catabolic [Pseudomonas fluorescens SBW25]	969	1.83
gi 229364240 emb CAY51939.1	chaperone Hsp60, peptide-dependent ATPase, heat shock protein [Pseudomonas fluorescens SBW25]	3493	1.76
gi 229361881 emb CAY48781.1	ferripyoverdine receptor precursor [Pseudomonas fluorescens SBW25]	3600	1.55
gi 229364221 emb CAY51907.1	putative exported heme receptor protein [Pseudomonas fluorescens SBW25]	5245	1.54
gi 229362537 emb CAY49444.1	putative TonB-dependent outer membrane receptor [Pseudomonas fluorescens SBW25]	1806	1.36
gi 229363728 emb CAY51128.1	flagellin [Pseudomonas fluorescens SBW25]	2980	1.26
gi 229359762 emb CAY46612.1	carboxy-terminal processing protease precursor [Pseudomonas fluorescens SBW25]	1205	1.17
gi 229365095 emb CAY53304.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	2262	1.08
gi 229360012 emb CAY46866.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	1036	1.07
gi 229364725 emb CAY52696.1	putative ABC transport system, outer membrane exported protein [Pseudomonas fluorescens SBW25]	1158	1.05
gi 229361206 emb CAY48070.1	succinyl-CoA synthetase beta chain [Pseudomonas fluorescens SBW25]	1119	1
gi 229364744 emb CAY52723.1	DNA-directed RNA polymerase alpha chain [Pseudomonas fluorescens SBW25]	1117	0.98
gi 229365349 emb CAY53727.1	ATP synthase alpha chain [Pseudomonas fluorescens SBW25]	813	0.92
gi 229364775 emb CAY52776.1	DNA-directed RNA polymerase beta~ chain [Pseudomonas fluorescens SBW25]	3251	0.89
gi 229360807 emb CAY47665.1	probable alcohol dehydrogenase [Pseudomonas fluorescens SBW25]	414	0.87
gi 229359883 emb CAY46736.1	pyruvate dehydrogenase E1 component [Pseudomonas fluorescens SBW25]	1453	0.86
gi 229360345 emb CAY47202.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	1528	0.84
gi 229361207 emb CAY48071.1	succinyl-CoA synthetase alpha chain [Pseudomonas fluorescens SBW25]	199	0.81
gi 229364173 emb CAY51832.1	putative ferritin DPS-family DNA binding protein [Pseudomonas fluorescens SBW25]	471	0.81
gi 229364764 emb CAY52758.1	50S ribosomal protein L22 [Pseudomonas fluorescens SBW25]	666	0.78
gi 229360239 emb CAY47096.1	putative exported protein [Pseudomonas fluorescens SBW25]	171	0.74
gi 229364385 emb CAY52165.1	putative aminotransferase [Pseudomonas fluorescens SBW25]	353	0.73
gi 229364776 emb CAY52777.1	DNA-directed RNA polymerase beta chain [Pseudomonas fluorescens SBW25]	1084	0.7
gi 229364115 emb CAY51736.1	putative exported protein [Pseudomonas fluorescens SBW25]	1362	0.7
gi 229363442 emb CAY50639.1	50S ribosomal protein L20 [Pseudomonas fluorescens SBW25]	79	0.68
gi 229364757 emb CAY52745.1	50S ribosomal protein L5 [Pseudomonas fluorescens SBW25]	446	0.67
gi 229360318 emb CAY47175.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	308	0.67
gi 229365347 emb CAY53725.1	ATP synthase beta chain [Pseudomonas fluorescens SBW25]	258	0.66
gi 229360143 emb CAY47000.1	putative ribosomal protein L25p family [Pseudomonas fluorescens SBW25]	80	0.63
gi 229362326 emb CAY49228.1	putative aldo/keto reductase [Pseudomonas fluorescens SBW25]	281	0.62
gi 229360557 emb CAY47414.1	putative alkyl hydroperoxide reductase [Pseudomonas fluorescens SBW25]	130	0.62
gi 229364743 emb CAY52721.1	50S ribosomal protein L17 [Pseudomonas fluorescens SBW25]	83	0.62
gi 229363458 emb CAY50667.1	putative L-asparaginase II precursor [Pseudomonas fluorescens SBW25]	273	0.59
gi 229359800 emb CAY46650.1	glucans biosynthesis protein G precursor [Pseudomonas fluorescens SBW25]	310	0.58
gi 229360548 emb CAY47405.1	glycerol kinase [Pseudomonas fluorescens SBW25]	1309	0.58



gi 229359726 emb CAY46574.1	outer membrane protein, oprE3 precursor [Pseudomonas fluorescens SBW25]	795	0.58
gi 229359882 emb CAY46735.1	dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex [Pseudomonas fluorescens SBW25]	962	0.57
gi 111111137 gb EWC11137.1	47132620_keratin_2_Homo_sapiens [contaminants]	1225	0.56
gi 229362018 emb CAY48919.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	437	0.55
gi 229361204 emb CAY48068.1	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex [Pseudomonas fluorescens SBW25]	666	0.53
gi 229364712 emb CAY52676.1	6,7-dimethyl-8-ribityllumazine synthase [Pseudomonas fluorescens SBW25]	405	0.53
gi 229361847 emb CAY48745.1	putative TonB-receptor protein [Pseudomonas fluorescens SBW25]	1014	0.52
gi 229363503 emb CAY50737.1	aromatic-amino-acid aminotransferase [Pseudomonas fluorescens SBW25]	193	0.52
gi 229363585 emb CAY50877.1	putative putative heat shock protein A [Pseudomonas fluorescens SBW25]	640	0.52
gi 229363881 emb CAY51363.1	putative outer membrane porin A protein [Pseudomonas fluorescens SBW25]	910	0.51
gi 229360663 emb CAY47521.1	putative lysine biosynthesis-related protein [Pseudomonas fluorescens SBW25]	216	0.49
gi 229364778 emb CAY52781.1	50S ribosomal protein L10 [Pseudomonas fluorescens SBW25]	180	0.49
gi 229360407 emb CAY47264.1	putative amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	204	0.48
gi 229363134 emb CAY50159.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	79	0.48
gi 229359915 emb CAY46769.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	104	0.47
gi 229361044 emb CAY47906.1	polysaccharide biosynthesis protein [Pseudomonas fluorescens SBW25]	250	0.45
gi 229360636 emb CAY47494.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	278	0.45
gi 229360153 emb CAY47010.1	putative exported protein [Pseudomonas fluorescens SBW25]	68	0.45
gi 229363110 emb CAY50120.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	792	0.44
gi 229363660 emb CAY51010.1	diaminobutyrate--2-oxoglutarate aminotransferase [Pseudomonas fluorescens SBW25]	505	0.43
gi 229360235 emb CAY47092.1	putative outer membrane porin [Pseudomonas fluorescens SBW25]	418	0.43
gi 229365217 emb CAY53511.1	putative phosphomannomutase/phosphoglucosyltransferase [Pseudomonas fluorescens SBW25]	694	0.43
gi 229364304 emb CAY52041.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	218	0.42
gi 229360670 emb CAY47528.1	elongation factor [Pseudomonas fluorescens SBW25]	71	0.42
gi 229360462 emb CAY47319.1	cytosol aminopeptidase [Pseudomonas fluorescens SBW25]	661	0.41
gi 229360341 emb CAY47198.1	putative phospholipid-binding lipoprotein [Pseudomonas fluorescens SBW25]	183	0.41
gi 229362316 emb CAY49218.1	alkyl hydroperoxide reductase protein [Pseudomonas fluorescens SBW25]	93	0.41
gi 229364498 emb CAY52345.1	polynucleotide phosphorylase/polyadenylase [Pseudomonas fluorescens SBW25]	512	0.4
gi 229365218 emb CAY53512.1	acetylglutamate kinase [Pseudomonas fluorescens SBW25]	130	0.4
gi 229362266 emb CAY49168.1	putative TonB-dependent receptor YncD precursor [Pseudomonas fluorescens SBW25]	813	0.39
gi 229359623 emb CAY46465.1	4-aminobutyrate aminotransferase [Pseudomonas fluorescens SBW25]	162	0.38
gi 229364518 emb CAY52373.1	chaperone protein DnaK (HSP70) [Pseudomonas fluorescens SBW25]	396	0.37
gi 229363109 emb CAY50118.1	isocitrate dehydrogenase [NADP] [Pseudomonas fluorescens SBW25]	584	0.37
gi 229360144 emb CAY47001.1	ribose-phosphate pyrophosphokinase [Pseudomonas fluorescens SBW25]	117	0.37
gi 229364178 emb CAY51840.1	putative family S43 non-peptidase homologue [Pseudomonas fluorescens SBW25]	645	0.36
gi 229359946 emb CAY46800.1	adenylosuccinate synthetase [Pseudomonas fluorescens SBW25]	157	0.36
gi 229360640 emb CAY47498.1	adenylate kinase [Pseudomonas fluorescens SBW25]	56	0.36
gi 229360146 emb CAY47003.1	putative outer-membrane lipoprotein [Pseudomonas fluorescens SBW25]	318	0.36
gi 229359527 emb CAY46368.1	thiol:disulfide interchange protein [Pseudomonas fluorescens SBW25]	59	0.36
gi 229360305 emb CAY47162.1	ATP phosphoribosyltransferase [Pseudomonas fluorescens SBW25]	47	0.36

gi 229364468 emb CAY52297.1	ketol-acid reductoisomerase [Pseudomonas fluorescens SBW25]	252	0.35
gi 229364492 emb CAY52336.1	glucose-6-phosphate isomerase [Pseudomonas fluorescens SBW25]	252	0.34
gi 229364100 emb CAY51711.1	putative porin [Pseudomonas fluorescens SBW25]	497	0.34
gi 229364995 emb CAY53133.1	aspartate carbamoyltransferase [Pseudomonas fluorescens SBW25]	116	0.34
gi 229359606 emb CAY46448.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	39	0.34
gi 229362693 emb CAY49603.1	putative ferric alcaligin siderophore receptor [Pseudomonas fluorescens SBW25]	388	0.32
gi 229359775 emb CAY46625.1	glutamine synthetase [Pseudomonas fluorescens SBW25]	557	0.32
gi 229365298 emb CAY53646.1	oxaloacetate decarboxylase alpha chain [Pseudomonas fluorescens SBW25]	199	0.32
gi 229359622 emb CAY46464.1	succinate-semialdehyde dehydrogenase [NADP+] [Pseudomonas fluorescens SBW25]	246	0.32
gi 229363488 emb CAY50712.1	putative 3-isopropylmalate dehydrogenase [Pseudomonas fluorescens SBW25]	171	0.32
gi 229360669 emb CAY47527.1	30S ribosomal protein S2 [Pseudomonas fluorescens SBW25]	42	0.3
gi 229359476 emb CAY46317.1	galactonate dehydratase [Pseudomonas fluorescens SBW25]	203	0.29
gi 229364771 emb CAY52770.1	elongation factor TU [Pseudomonas fluorescens SBW25]	845	0.28
gi 229364029 emb CAY51593.1	putative histidine-binding periplasmic protein precursor [Pseudomonas fluorescens SBW25]	55	0.28
gi 229364672 emb CAY52606.1	gamma-glutamyl phosphate reductase [Pseudomonas fluorescens SBW25]	313	0.27
gi 229360689 emb CAY47547.1	enolase [Pseudomonas fluorescens SBW25]	202	0.27
gi 229360561 emb CAY47418.1	argininosuccinate synthase [Pseudomonas fluorescens SBW25]	120	0.27
gi 229364772 emb CAY52772.1	elongation factor G [Pseudomonas fluorescens SBW25]	225	0.26
gi 229363756 emb CAY51170.1	putative fatty acid transport system, membrane protein [Pseudomonas fluorescens SBW25]	496	0.26
gi 229362428 emb CAY49334.1	putative carboxyvinyl-carboxyphosphonate phosphorylmotase [Pseudomonas fluorescens SBW25]	54	0.26
gi 229364659 emb CAY52587.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	276	0.25
gi 229360284 emb CAY47141.1	fumarate hydratase class II [Pseudomonas fluorescens SBW25]	254	0.25
gi 229364606 emb CAY52504.1	putative TonB-dependent receptor protein [Pseudomonas fluorescens SBW25]	408	0.24
gi 229360973 emb CAY47833.1	transaldolase B [Pseudomonas fluorescens SBW25]	70	0.24
gi 229365299 emb CAY53647.1	biotin carboxylase [Pseudomonas fluorescens SBW25]	136	0.23
gi 229359912 emb CAY46766.1	putative outer membrane protein [Pseudomonas fluorescens SBW25]	74	0.23
gi 229362643 emb CAY49551.1	putative rhizopine biosynthesis/dihydropicolinate synthase [Pseudomonas fluorescens SBW25]	109	0.23
gi 229361213 emb CAY48077.1	chaperone (heat shock protein) [Pseudomonas fluorescens SBW25]	168	0.22
gi 229364218 emb CAY51902.1	glyceraldehyde 3-phosphate dehydrogenase 1 [Pseudomonas fluorescens SBW25]	65	0.22
gi 229363644 emb CAY50984.1	putative allantoicase [Pseudomonas fluorescens SBW25]	60	0.22
gi 229360942 emb CAY47802.1	fatty oxidation complex alpha subunit [Pseudomonas fluorescens SBW25]	246	0.21
gi 229363775 emb CAY51194.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	127	0.21
gi 229361927 emb CAY48827.1	putative TonB-dependent receptor [Pseudomonas fluorescens SBW25]	245	0.2
gi 229362479 emb CAY49385.1	phosphoglucosyltransferase [Pseudomonas fluorescens SBW25]	99	0.2
gi 229360249 emb CAY47106.1	NADP(H)-dependt aldo-keto reductase [Pseudomonas fluorescens SBW25]	75	0.2
gi 229360742 emb CAY47600.1	branched amino acid ABC transport system, substrate-binding protein [Pseudomonas fluorescens SBW25]	53	0.2
gi 229361031 emb CAY47893.1	phosphoserine aminotransferase [Pseudomonas fluorescens SBW25]	43	0.2
gi 229362324 emb CAY49226.1	putative 4-hydroxyphenylpyruvate dioxygenase [Pseudomonas fluorescens SBW25]	39	0.2
gi 229360794 emb CAY47652.1	periplasmic beta-glucosidase precursor [Pseudomonas fluorescens SBW25]	93	0.19
gi 229360447 emb CAY47304.1	iron (III) dicitrate transport protein precursor [Pseudomonas fluorescens SBW25]	74	0.19

gi 229362518 emb CAY49425.1	3-oxoacyl-[acyl-carrier-protein] synthase II [Pseudomonas fluorescens SBW25]	370	0.19
gi 229360943 emb CAY47803.1	3-ketoacyl-CoA thiolase [Pseudomonas fluorescens SBW25]	266	0.19
gi 229362548 emb CAY49455.1	putative secreted pectate lyase [Pseudomonas fluorescens SBW25]	152	0.19
gi 229360870 emb CAY47729.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	124	0.19
gi 229360677 emb CAY47535.1	putative surface exported protein [Pseudomonas fluorescens SBW25]	112	0.18
gi 229360332 emb CAY47189.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	530	0.18
gi 229360121 emb CAY46975.1	putative lipoprotein [Pseudomonas fluorescens SBW25]	40	0.18
gi 229364996 emb CAY53136.1	dihydroorotase-like protein [Pseudomonas fluorescens SBW25]	167	0.18
gi 229363740 emb CAY51145.1	aspartate aminotransferase [Pseudomonas fluorescens SBW25]	149	0.18
gi 229361218 emb CAY48082.1	3-oxoacyl-[acyl-carrier-protein] synthase I [Pseudomonas fluorescens SBW25]	121	0.18
gi 229359832 emb CAY46682.1	putative NADP-dependent malic enzyme [Pseudomonas fluorescens SBW25]	248	0.17
gi 229364144 emb CAY51781.1	arginine deiminase [Pseudomonas fluorescens SBW25]	154	0.17
gi 229363227 emb CAY50310.1	ATP-dependent specificity component of clpP serine protease, chaperone [Pseudomonas fluorescens SBW25]	140	0.17
gi 229363655 emb CAY51001.1	putative aspartyl aminopeptidase [Pseudomonas fluorescens SBW25]	81	0.17
gi 229364576 emb CAY52461.1	serine hydroxymethyltransferase [Pseudomonas fluorescens SBW25]	55	0.17
gi 229360931 emb CAY47791.1	aconitate hydratase 1 [Pseudomonas fluorescens SBW25]	127	0.16
gi 229364030 emb CAY51594.1	acetyl-coenzyme A synthetase [Pseudomonas fluorescens SBW25]	87	0.16
gi 229361205 emb CAY48069.1	dihydrolipoyl dehydrogenase [Pseudomonas fluorescens SBW25]	146	0.16
gi 229363866 emb CAY51338.1	guanine deaminase [Pseudomonas fluorescens SBW25]	58	0.16
gi 229363123 emb CAY50142.1	NADH dehydrogenase I chain F [Pseudomonas fluorescens SBW25]	36	0.16
gi 229364150 emb CAY51790.1	glycine dehydrogenase [decarboxylating] [Pseudomonas fluorescens SBW25]	407	0.15
gi 229365287 emb CAY53626.1	aspartate ammonia-lyase [Pseudomonas fluorescens SBW25]	137	0.15
gi 229364959 emb CAY53075.1	adenosylhomocysteinase [Pseudomonas fluorescens SBW25]	80	0.15
gi 229365209 emb CAY53495.1	putative aldehyde dehydrogenase [Pseudomonas fluorescens SBW25]	51	0.15
gi 229362242 emb CAY49144.1	CDP-diacylglycerol-serine O-phosphatidyltransferase [Pseudomonas fluorescens SBW25]	46	0.15
gi 229360333 emb CAY47190.1	putative exported protein [Pseudomonas fluorescens SBW25]	43	0.15
gi 229362536 emb CAY49443.1	putative diaminobutyrate--2-oxoglutarate aminotransferase [Pseudomonas fluorescens SBW25]	38	0.15
gi 229360401 emb CAY47258.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	35	0.15
gi 229362669 emb CAY49579.1	putative amidase [Pseudomonas fluorescens SBW25]	162	0.14
gi 229364641 emb CAY52559.1	AMP nucleosidase [Pseudomonas fluorescens SBW25]	418	0.14
gi 229363888 emb CAY51376.1	putative phosphoenolpyruvate synthase [Pseudomonas fluorescens SBW25]	203	0.13
gi 229364293 emb CAY52028.1	GMP synthase (glutamine-hydrolyzing) [Pseudomonas fluorescens SBW25]	55	0.13
gi 229359950 emb CAY46804.1	ribonuclease R [Pseudomonas fluorescens SBW25]	82	0.12
gi 229360147 emb CAY47004.1	conserved hypothetical protein [Pseudomonas fluorescens SBW25]	97	0.12
gi 229365348 emb CAY53726.1	ATP synthase gamma chain [Pseudomonas fluorescens SBW25]	67	0.12
gi 229361036 emb CAY47898.1	30S ribosomal protein S1 [Pseudomonas fluorescens SBW25]	58	0.12
gi 229365033 emb CAY53201.1	dihydroxy-acid dehydratase [Pseudomonas fluorescens SBW25]	45	0.12
gi 229361242 emb CAY48106.1	putative dipeptidase [Pseudomonas fluorescens SBW25]	39	0.12
gi 229364170 emb CAY51826.1	aspartyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	36	0.12
gi 229361203 emb CAY48067.1	2-oxoglutarate dehydrogenase E1 component [Pseudomonas fluorescens SBW25]	128	0.11

gi 229360459 emb CAY47316.1	valyl-tRNA synthetase [Pseudomonas fluorescens SBW25]	62	0.11
gi 229361399 emb CAY48274.1	tail-specific protease precursor [Pseudomonas fluorescens SBW25]	59	0.1
gi 229359454 emb CAY46295.1	glycyl-tRNA synthetase beta chain (ec 6.1.1.14) (glycine--trna ligase beta chain) (glyrs) [Pseudomonas fluorescens SBW25]	59	0.1
gi 229362684 emb CAY49594.1	putative glycogen debranching protein [Pseudomonas fluorescens SBW25]	65	0.09
gi 229364285 emb CAY52013.1	phosphoribosylformylglycinamide synthase [Pseudomonas fluorescens SBW25]	304	0.08
gi 229360194 emb CAY47051.1	chaperone [Pseudomonas fluorescens SBW25]	66	0.08
gi 229360639 emb CAY47497.1	phosphoenolpyruvate carboxylase [Pseudomonas fluorescens SBW25]	55	0.08
gi 229362012 emb CAY48913.1	putative aminopeptidase N [Pseudomonas fluorescens SBW25]	31	0.08
gi 229364817 emb CAY52842.1	putative exported organic solvent tolerance protein [Pseudomonas fluorescens SBW25]	141	0.07