

**Supplementary Table 1. List of all proteins identified in biofilm matrix proteome**

Label	Description	PsortB	Total spectral counts				
			M1	M2	M3	M4	M5
VCA0865	Hemagglutinin/proteinase	Extracellular	4511	4701	5022	6031	5774
VC0633	Outer membrane protein U	Outer Membrane	2310	1980	1900	1889	2057
VCA0812	Leucine aminopeptidase-related protein	Extracellular	1553	1479	1885	2178	1968
VCA0813	Aminopeptidase	Extracellular	1241	1326	1718	1964	1787
VC1888	Hemolysin-related protein	Extracellular	1055	998	1322	1282	1381
VC1091	Oligopeptide ABC transporter, periplasmic oligopeptide-binding protein	Periplasmic	915	841	918	1133	1079
VCA0223	Pre-pro-metalloprotease PrtV	Extracellular	807	796	1007	991	978
VC1362	Amino acid ABC transporter, periplasmic amino acid-binding protein	Periplasmic	648	718	926	936	1143
VC0930	Hemolysin-related protein	Extracellular	615	569	737	719	807
VC2187	Flagellin C	Extracellular	492	422	457	505	555
VC2143	Flagellin D	Extracellular	445	396	364	472	563
VC0157	Alkaline serine protease	Extracellular	425	421	446	496	412
VC2142	Flagellin B	Extracellular	372	361	398	432	550
VC0171	Peptide ABC transporter, periplasmic peptide-binding protein	Periplasmic	397	420	368	417	434
VCA0883	Non-hemolytic enterotoxin lytic component L1	Extracellular	250	221	251	325	400
VC1952	Chitinase	Extracellular	219	211	330	315	358
VCA0738	Conjugal transfer protein TraF	Unknown	332	285	234	192	246
VC1929	C4-dicarboxylate-binding periplasmic protein DctP	Periplasmic	196	156	300	276	329
VC2738	Phosphoenolpyruvate carboxykinase (ATP)	Cytoplasmic	226	203	229	253	302
VC0608	Iron(III) ABC transporter, periplasmic iron-compound-binding protein	Periplasmic	198	187	253	227	269
VC0430	Immunogenic protein	Unknown	196	157	201	223	264
VC2188	Flagellin A	Extracellular	163	166	175	210	240
VCA0027	Chitinase	Unknown	93	170	201	207	213
VC0409	MSHA pilin protein MshA	Unknown	154	133	126	123	130
VCA0539	UPF0312 protein VC_A0539	Unknown	69	61	160	145	221
VC1425	Putrescine-binding periplasmic protein	Periplasmic	120	112	128	115	155
VC2000	Glyceraldehyde-3-phosphate dehydrogenase	Cytoplasmic	81	105	146	139	150
VC2412	Dihydrolipoyl dehydrogenase	Cytoplasmic	121	113	129	107	118
VC1141	Isocitrate dehydrogenase [NADP]	Cytoplasmic	108	96	106	109	143
VC2562	2',3'-cyclic-nucleotide 2'-phosphodiesterase	Periplasmic	100	108	113	97	117
VC1485	DUF3466 family protein	Unknown	107	115	96	102	95
VCA0881	Uncharacterized protein	Unknown	83	75	108	109	135
VC1325	Autoinducer 2-binding periplasmic protein LuxP	Periplasmic	106	80	88	73	141
VC0034	Thiol:disulfide interchange protein DsbA	Periplasmic	92	88	107	91	107
VC2618	Acetylornithine aminotransferase	Cytoplasmic	85	98	84	96	106
VCA1028	Maltoporin	Outer Membrane	151	106	66	58	45
VC0336	2,3-bisphosphoglycerate-independent phosphoglycerate mutase	Cytoplasmic	81	80	67	80	96
VC0475	Iron-regulated outer membrane virulence protein	Outer Membrane	75	79	79	79	89
VC1863	Amino acid ABC transporter, periplasmic amino acid-binding protein	Periplasmic	45	47	98	83	125
VCA0981	Solute-binding protein family 3/N-terminal domain-containing protein	Unknown	70	56	96	75	98
VC1334	Tricarboxylic transport TctC	Periplasmic	65	60	72	67	88

VCA0685	Iron(III) ABC transporter, periplasmic iron-compound-binding protein	Periplasmic	59	54	72	56	109
VCA0576	Heme transport protein HutA	Outer Membrane	90	67	56	47	76
VC1560	Catalase-peroxidase	Cytoplasmic	62	77	58	64	71
VCA1113	Putrescine-binding periplasmic protein	Periplasmic	58	54	62	68	70
VC1523	PBP domain-containing protein	Unknown	66	58	51	59	77
VC1854	Porin, putative	Outer Membrane	95	60	50	47	48
VC2670	Triosephosphate isomerase	Cytoplasmic	51	44	61	59	84
VC2211	Vibriobactin receptor	Outer Membrane	97	42	46	53	58
VC0194	Glutathione hydrolase proenzyme	Periplasmic	67	73	43	60	47
VCA0945	Maltodextrin-binding protein	Periplasmic	49	47	54	50	86
VC2045	Superoxide dismutase	Periplasmic	32	39	71	64	78
VC0354	Peptidyl-prolyl cis-trans isomerase	Periplasmic	55	58	57	56	56
VC0432	Malate dehydrogenase	Unknown	46	41	55	55	81
VCA0645	VOC domain-containing protein	Unknown	39	47	49	56	84
VC1414	Metal-dependent carboxypeptidase	Cytoplasmic	35	52	46	60	81
VC2197	Flagellar hook protein FlgE	Extracellular	70	57	39	54	47
VC2350	Deoxyribose-phosphate aldolase	Cytoplasmic	40	63	50	53	59
VC0478	Fructose-bisphosphate aldolase	Cytoplasmic	44	43	61	50	61
VC2615	DUF1338 domain-containing protein	Cytoplasmic	42	45	42	49	77
VCA0759	Arginine ABC transporter, periplasmic arginine-binding protein	Periplasmic	50	48	51	43	51
VC1424	Putrescine-binding periplasmic protein	Periplasmic	50	43	48	53	49
VCA0900	Metallo-beta-lactamase domain-containing protein	Unknown	44	47	41	51	56
VC0928	RbmA protein	Unknown	60	41	40	38	60
VC2213	Outer membrane protein OmpA	Outer Membrane	79	24	31	28	73
VC1894	Penicillin-binding protein activator LpoB	Unknown	67	33	45	29	59
VCA1041	Phosphomannomutase, putative	Unknown	42	40	36	40	68
VCA1039	Amino acid ABC transporter, periplasmic amino acid-binding protein	Periplasmic	40	46	45	44	51
VCA0227	Iron(III) ABC transporter, periplasmic iron-compound-binding protein	Periplasmic	52	44	44	38	46
VCA0884	Non-hemolytic enterotoxin lytic component L1	Inner Membrane	35	38	44	45	56
VC2279	Aminoacyl-histidine dipeptidase	Cytoplasmic	25	28	52	46	64
VC2694	Superoxide dismutase	Periplasmic	22	21	38	46	71
VC1950	trimethylamine-N-oxide reductase	Periplasmic	33	32	46	40	43
VCA0882	Uncharacterized protein	Inner Membrane	22	29	46	37	56
VC1663	Heat shock protein HslJ	Unknown	62	20	34	35	37
VC2174	5'-nucleotidase	Periplasmic	37	35	35	38	42
VC1621	Agglutination protein	Outer Membrane	44	38	27	36	40
VC1154	Uncharacterized protein	Unknown	77	35	18	24	30
VC0968	Cysteine synthase	Cytoplasmic	44	46	28	34	31
VC1318	Outer membrane protein OmpV	Outer Membrane	69	59	18	11	23
VCA0863	Lysophospholipase VolA	Unknown	39	45	24	32	38
VC2095	Phosphoglucomutase	Cytoplasmic	34	41	30	33	31
VCA0623	Transaldolase	Cytoplasmic	28	30	27	30	49
VCA0877	Hydrolase, putative	Unknown	27	41	27	31	38
VC2144	Flagellin E	Extracellular	34	31	26	34	30
VC2550	YtfJ family protein	Inner Membrane	30	29	27	31	37

<b>VCA0140</b>	Spindolin-related protein	Unknown	33	27	30	32	27
<b>VC0298</b>	Acetyl-coenzyme A synthetase	Cytoplasmic	23	32	27	23	41
<b>VC0244</b>	Perosamine synthase	Cytoplasmic	31	28	23	30	33
<b>VC0374</b>	Glucose-6-phosphate isomerase	Cytoplasmic	22	30	23	26	32
<b>VCA0925</b>	Dihydroorotase	Cytoplasmic	23	28	26	25	30
<b>VC0028</b>	Dihydroxy-acid dehydratase	Cytoplasmic	22	31	26	27	23
<b>VC0604</b>	Aconitate hydratase B	Cytoplasmic	27	23	22	21	36
<b>VC0964</b>	PTS system, glucose-specific IIA component	Cytoplasmic	33	22	18	20	33
<b>VC2036</b>	Aspartate-semialdehyde dehydrogenase 1	Cytoplasmic	24	19	23	29	27
<b>VC0620</b>	Peptide ABC transporter, periplasmic peptide-binding protein	Periplasmic	23	22	21	23	31
<b>VCA0849</b>	RTX toxin	Extracellular	24	26	21	25	23
<b>VC1384</b>	Outer membrane protein beta-barrel domain-containing protein	Unknown	23	14	24	25	30
<b>VCA1033</b>	Extracellular solute-binding protein, putative	Periplasmic	29	30	19	19	17
<b>VCA0513</b>	Amino acid biosynthesis aminotransferase	Cytoplasmic	28	24	21	17	24
<b>VC1346</b>	Fumarylacetoacetate hydrolase family protein	Unknown	24	19	17	24	30
<b>VC1836</b>	Tol-Pal system protein TolB	Periplasmic	28	17	23	19	24
<b>VC2230</b>	Phosphoheptose isomerase	Cytoplasmic	21	21	22	19	25
<b>VCA0867</b>	Outer membrane protein W	Outer Membrane	36	42	11	12	5
<b>VC1034</b>	Uridine phosphorylase	Cytoplasmic	19	20	19	24	22
<b>VCA0978</b>	Amino acid ABC transporter, periplasmic amino acid-binding protein, putative	Periplasmic	15	17	22	22	22
<b>VCA0197</b>	GMP reductase	Cytoplasmic	26	22	16	18	14
<b>VC0581</b>	Penicillin-binding protein activator LpoA	Inner Membrane	33	11	5	12	30
<b>VCA0568</b>	Conjugal transfer protein TraF	Outer Membrane	27	16	10	10	25
<b>VC1293</b>	Aminotransferase	Cytoplasmic	20	20	13	12	21
<b>VC0736</b>	Isocitrate lyase	Cytoplasmic	20	17	15	15	19
<b>VCA0702</b>	Iron-containing alcohol dehydrogenase	Cytoplasmic	11	13	19	15	27
<b>VC0156</b>	Vitamin B12 transporter BtuB	Outer Membrane	22	13	17	14	17
<b>VC1983</b>	Peptidase, putative	Cytoplasmic	17	14	14	19	19
<b>VC2542</b>	UDP-N-acetylmuramate--L-alanyl-gamma-D-glutamyl-meso-2,6-diaminoheptandioate ligase	Cytoplasmic	13	10	21	15	20
<b>VCA0975</b>	endopeptidase La	Cytoplasmic	18	18	9	14	19
<b>VC1010</b>	Probable lactoylglutathione lyase	Cytoplasmic	12	4	19	24	17
<b>VC2002</b>	DUF2860 domain-containing protein	Outer Membrane	15	12	17	15	16
<b>VC2290</b>	Na(+)-translocating NADH-quinone reductase subunit F	Cytoplasmic	11	16	19	16	11
<b>VCA0037</b>	Copper chaperone PCu(A)C	Unknown	18	9	9	18	19
<b>VCA0886</b>	2-amino-3-ketobutyrate coenzyme A ligase	Cytoplasmic	15	10	12	15	19
<b>VC1895</b>	DUF1425 domain-containing protein	Unknown	19	16	7	10	19
<b>VC2347</b>	Purine nucleoside phosphorylase DeoD-type 1	Cytoplasmic	14	7	15	14	19
<b>VC0755</b>	Peptidase B	Cytoplasmic	9	20	13	15	12
<b>VC2168</b>	DUF2066 domain-containing protein	Unknown	10	9	15	15	20
<b>VC2190</b>	Flagellar hook-associated protein FlgL	Extracellular	24	13	10	8	13
<b>VC2157</b>	4-hydroxy-tetrahydrodipicolinate synthase	Cytoplasmic	11	13	15	11	17
<b>VC2305</b>	Outer membrane protein OmpK	Outer Membrane	9	10	15	13	18
<b>VC1048</b>	Putative NAD(P)H nitroreductase	Unknown	13	10	10	6	26
<b>VC0734</b>	Malate synthase	Cytoplasmic	8	14	11	16	16
<b>VCA0130</b>	Autoinducer 2-binding periplasmic protein LuxP	Periplasmic	13	11	10	16	14
<b>VC2299</b>	Peptidyl-prolyl cis-trans isomerase	Periplasmic	12	9	15	14	14

<b>VC0446</b>	LPS-assembly protein LptD	Outer Membrane	15	14	11	10	13
<b>VC2447</b>	Enolase	Cytoplasmic	11	8	14	12	15
<b>VC2099</b>	Flavodoxin	Cytoplasmic	14	11	6	11	18
<b>VC2501</b>	Cytosol aminopeptidase	Cytoplasmic	12	11	11	12	13
<b>VCA0328</b>	Biphenyl-2,3-diol 1,2-dioxygenase III-related protein	Cytoplasmic	8	7	15	12	16
<b>VCA0591</b>	Peptide ABC transporter, periplasmic peptide-binding protein, putative	Periplasmic	15	10	11	10	12
<b>VC2436</b>	Outer membrane protein TolC	Outer Membrane	20	8	7	9	13
<b>VC1494</b>	Aminopeptidase N	Cytoplasmic	12	12	11	9	12
<b>VC0483</b>	Oxidative stress defense protein	Periplasmic	11	14	7	13	11
<b>VCA0144</b>	Immunogenic protein	Unknown	5	6	11	12	21
<b>VCA0811</b>	GlcNAc-binding protein A	Extracellular	10	13	9	13	9
<b>VCA0690</b>	Acetyl-CoA acetyltransferase	Cytoplasmic	12	11	6	12	13
<b>VC0362</b>	Elongation factor Tu-B	Cytoplasmic	14	5	14	12	8
<b>VC2191</b>	Flagellar hook-associated protein 1	Extracellular	18	8	6	6	15
<b>VC0372</b>	Alanine racemase	Cytoplasmic	13	7	10	8	14
<b>VC0776</b>	Ferric vibriobactin ABC transporter, periplasmic ferric vibriobactin-binding protein	Periplasmic	11	9	12	9	10
<b>VC2252</b>	Outer membrane protein assembly factor BamA	Outer Membrane	13	9	9	8	12
<b>VC1866</b>	Formate acetyltransferase	Cytoplasmic	8	13	8	11	11
<b>VC1064</b>	Lipoprotein-related protein	Unknown	13	9	6	12	10
<b>VC0538</b>	Thiosulfate ABC transporter, periplasmic thiosulfate-binding protein	Periplasmic	6	6	9	6	21
<b>VC0186</b>	Glutathione reductase	Cytoplasmic	7	10	9	9	13
<b>VCA0678</b>	Periplasmic nitrate reductase	Periplasmic	18	12	8	5	4
<b>VCA0207</b>	NH(3)-dependent NAD(+) synthetase	Cytoplasmic	6	8	9	11	13
<b>VC1101</b>	Uncharacterized protein	Unknown	11	6	8	5	17
<b>VC1933</b>	Oxidored_molyb domain-containing protein	Inner Membrane	5	7	7	13	14
<b>VC0667</b>	Oxidoreductase Tas, aldo/keto reductase family	Cytoplasmic	9	6	7	10	13
<b>VCA0624</b>	Transketolase 2	Cytoplasmic	8	7	10	9	10
<b>VC0414</b>	DUF6701 domain-containing protein	Unknown	8	9	11	11	5
<b>VC2616</b>	N-succinylglutamate 5-semialdehyde dehydrogenase	Cytoplasmic	6	11	6	8	12
<b>VC0972</b>	Porin, putative	Outer Membrane	7	6	8	6	16
<b>VC2261</b>	Methionine aminopeptidase	Cytoplasmic	7	3	8	10	14
<b>VC1779</b>	Sialic acid-binding periplasmic protein SiaP	Periplasmic	7	5	9	7	13
<b>VC1098</b>	Acetate kinase 1	Cytoplasmic	6	9	13	5	8
<b>VC0756</b>	Nucleoside diphosphate kinase	Cytoplasmic	10	6	9	7	9
<b>VCA0828</b>	Phenylalanine-4-hydroxylase	Cytoplasmic	6	6	9	10	9
<b>VCA0136</b>	Glycerophosphoryl diester phosphodiesterase	Periplasmic	5	4	7	10	14
<b>VC1554</b>	Glycerophosphoryl diester phosphodiesterase, putative	Cytoplasmic	9	10	7	6	8
<b>VC0772</b>	Vibriobactin-specific 2,3-dihydroxybenzoate-AMP ligase	Cytoplasmic	4	5	9	6	14
<b>VCA0625</b>	TonB receptor-related protein	Outer Membrane	10	7	9	7	5
<b>VC0905</b>	Probable D-methionine-binding lipoprotein MetQ	Inner Membrane	7	6	6	9	9
<b>VC0762</b>	Outer membrane protein assembly factor BamB	Outer Membrane	5	4	12	8	8
<b>VC1255</b>	ribonucleoside-diphosphate reductase	Cytoplasmic	3	5	8	8	13
<b>VC1195</b>	Lipoprotein, putative	Outer Membrane	8	9	5	7	8
<b>VCA0829</b>	Acetyl-CoA synthase	Cytoplasmic	7	7	4	10	8
<b>VC0306</b>	Thioredoxin	Cytoplasmic	8	6	7	7	8
<b>VC0188</b>	oligopeptidase A	Cytoplasmic	4	9	6	8	8

<b>VC0477</b>	Phosphoglycerate kinase	Cytoplasmic	6	0	3	6	19
<b>VC0120</b>	Porphobilinogen deaminase	Cytoplasmic	5	3	8	9	9
<b>VC1184</b>	NifS-related protein	Cytoplasmic	10	6	4	4	10
<b>VC0537</b>	Cysteine synthase	Cytoplasmic	10	6	4	6	7
<b>VC2210</b>	Vibriobactin utilization protein ViuB	Cytoplasmic	4	7	6	4	11
<b>VC2491</b>	3-isopropylmalate dehydrogenase	Cytoplasmic	10	5	4	6	7
<b>VC1344</b>	4-hydroxyphenylpyruvate dioxygenase	Cytoplasmic	6	3	8	10	5
<b>VC0058</b>	Carbonic anhydrase, family 3	Cytoplasmic	6	7	7	6	6
<b>VC1704</b>	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase	Cytoplasmic	7	7	3	5	9
<b>VC0132</b>	Uncharacterized protein	Unknown	9	3	4	6	9
<b>VC2298</b>	Lipoprotein, putative	Unknown	6	2	8	5	9
<b>VC0275</b>	Phosphoribosylamine--glycine ligase	Cytoplasmic	7	4	6	5	7
<b>VCA0897</b>	6-phosphogluconolactonase	Unknown	6	4	6	5	8
<b>VCA0862</b>	Long-chain fatty acid transport protein	Outer Membrane	9	8	2	4	6
<b>VCA0838</b>	OsmC/Ohr family protein	Unknown	4	4	4	8	9
<b>VCA0018</b>	Type VI secretion system spike protein VgrG2	Cytoplasmic	4	7	8	5	4
<b>VC1942</b>	Bifunctional protein FofD	Cytoplasmic	4	5	6	6	7
<b>VCA0219</b>	Hemolysin	Extracellular	6	6	5	7	3
<b>VC2268</b>	6,7-dimethyl-8-ribityllumazine synthase	Cytoplasmic	6	2	5	9	5
<b>VC0013</b>	Beta sliding clamp	Cytoplasmic	4	7	5	5	6
<b>VCA0700</b>	Chitodextrinase	Periplasmic	5	7	5	6	4
<b>VC2535</b>	PmbA protein	Unknown	4	5	6	8	4
<b>VC2480</b>	Ribose-5-phosphate isomerase A	Cytoplasmic	9	6	1	5	5
<b>VC1182</b>	Thioredoxin reductase	Unknown	6	6	8	3	3
<b>VC2539</b>	Thiamine-binding periplasmic protein	Periplasmic	7	10	2	4	3
<b>VC2270</b>	Riboflavin synthase, alpha subunit	Cytoplasmic	7	4	4	5	6
<b>VC1416</b>	Actin cross-linking toxin VgrG1	Cytoplasmic	3	6	4	7	5
<b>VCA0691</b>	Acetoacetyl-CoA reductase	Cytoplasmic	7	8	5	3	2
<b>VC0935</b>	Capsular polysaccharide synthesis enzyme CpsB	Outer Membrane	6	3	5	6	5
<b>VC0573</b>	Ubiquinol-cytochrome c reductase iron-sulfur subunit	Inner Membrane	4	5	6	4	6
<b>VC1532</b>	N-acetyl-D-glucosamine kinase	Cytoplasmic	1	4	9	4	6
<b>VC0332</b>	Uroporphyrinogen decarboxylase	Cytoplasmic	6	7	4	4	3
<b>VC2669</b>	5-carboxymethyl-2-hydroxymuconate delta isomerase, putative	Cytoplasmic	5	4	6	3	6
<b>VC2111</b>	NADPH-dependent FMN reductase-like domain-containing protein	Unknown	5	6	6	4	3
<b>VC0675</b>	Thymidylate synthase	Cytoplasmic	6	3	7	3	4
<b>VC1134</b>	Histidinol-phosphate aminotransferase	Cytoplasmic	4	5	5	2	7
<b>VC2145</b>	TyrA protein	Cytoplasmic	4	2	3	3	11
<b>VC1664</b>	ABC transporter, periplasmic substrate-binding protein, putative	Periplasmic	8	6	1	4	4
<b>VC1200</b>	Trypsin, putative	Unknown	5	5	4	5	4
<b>VC0146</b>	Ribosomal RNA small subunit methyltransferase D	Cytoplasmic	9	7	1	2	4
<b>VCA0885</b>	L-threonine 3-dehydrogenase	Cytoplasmic	6	3	5	3	5
<b>VC2379</b>	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase	Cytoplasmic	4	2	3	4	9
<b>VC1203</b>	Urocanate hydratase	Cytoplasmic	5	5	2	4	6
<b>VCA1077</b>	NirV	Unknown	5	4	2	5	6
<b>VCA0935</b>	Uncharacterized protein	Unknown	6	7	1	3	5

<b>VC1492</b>	glutamate dehydrogenase	Cytoplasmic	5	3	8	5	1
<b>VC1483</b>	3-hydroxydecanoyl-[acyl-carrier-protein] dehydratase	Cytoplasmic	5	7	1	3	5
<b>VCA0610</b>	Glyoxalase	Cytoplasmic	3	4	5	5	4
<b>VC0576</b>	Stringent starvation protein A	Cytoplasmic	5	6	3	3	4
<b>VC1730</b>	DNA topoisomerase 1	Cytoplasmic	6	2	2	2	8
<b>VC0556</b>	Glutamate--cysteine ligase	Cytoplasmic	3	2	4	3	8
<b>VC1819</b>	Aldehyde dehydrogenase	Cytoplasmic	7	3	3	5	2
<b>VC0067</b>	Aminopeptidase P	Cytoplasmic	3	3	4	4	6
<b>VCA0337</b>	Putative carboxypeptidase VC_A0337	Cytoplasmic	5	2	2	3	7
<b>VC1702</b>	YCII-related domain-containing protein	Unknown	5	3	2	3	6
<b>VC1622</b>	Outer membrane protein, putative	Outer Membrane	3	3	4	5	4
<b>VC1299</b>	6-carboxy-5,6,7,8-tetrahydropterin synthase	Cytoplasmic	4	3	5	4	3
<b>VCA0711</b>	Methylglyoxal synthase	Cytoplasmic	3	2	6	5	2
<b>VC1834</b>	Cell division coordinator CpoB	Unknown	4	3	4	2	5
<b>VC1183</b>	Agglutination protein	Cytoplasmic	5	1	4	2	6
<b>VC2645</b>	Acetylornithine deacetylase	Cytoplasmic	3	1	3	4	6
<b>VC0361</b>	Elongation factor G 1	Cytoplasmic	4	4	2	2	5
<b>VCA0734</b>	OMP_b-brl domain-containing protein	Unknown	4	0	3	4	6
<b>VC1835</b>	Peptidoglycan-associated lipoprotein	Outer Membrane	4	2	4	3	4
<b>VC1672</b>	DNA-3-methyladenine glycosidase I	Unknown	2	6	3	3	3
<b>VC1603</b>	Solute-binding protein family 3/N-terminal domain-containing protein	Unknown	4	3	3	3	4
<b>VC1583</b>	Superoxide dismutase [Cu-Zn]	Periplasmic	4	2	3	3	5
<b>VC0973</b>	VvgS protein	Unknown	6	3	4	2	2
<b>VC0566</b>	Periplasmic serine endoprotease DegP-like	Periplasmic	5	3	1	4	4
<b>VC0488</b>	Extracytoplasmic solute receptor protein	Unknown	5	4	5	2	1
<b>VC0139</b>	DPS family protein	Cytoplasmic	4	2	2	5	4
<b>VC0029</b>	Branched-chain-amino-acid aminotransferase	Cytoplasmic	2	3	5	3	4
<b>VC2764</b>	ATP synthase subunit beta	Cytoplasmic	8	2	2	3	1
<b>VC1732</b>	3-phosphoshikimate 1-carboxyvinyltransferase	Cytoplasmic	3	1	2	4	6
<b>VC0341</b>	Oligoribonuclease	Cytoplasmic	9	2	1	1	3
<b>VC2432</b>	Esterase YqiA	Cytoplasmic	2	1	3	5	5
<b>VC2514</b>	UDP-N-acetylglucosamine 1-carboxyvinyltransferase	Cytoplasmic	6	2	2	3	2
<b>VCA1056</b>	Methyl-accepting chemotaxis protein	Inner Membrane	5	2	2	1	5
<b>VC1350</b>	Glutathione-dependent peroxiredoxin	Unknown	7	3	1	1	3
<b>VC0578</b>	Hemolysin, putative	Periplasmic	4	5	1	2	3
<b>VC0174</b>	SPOR domain-containing protein	Periplasmic	3	4	1	4	3
<b>VC1133</b>	Histidinol dehydrogenase	Cytoplasmic	2	8	1	3	0
<b>VC2251</b>	Chaperone protein Skp	Periplasmic	5	1	1	2	5
<b>VC1312</b>	Broad specificity amino-acid racemase	Unknown	3	4	4	0	3
<b>VC2198</b>	Basal-body rod modification protein FlgD	Extracellular	3	5	1	1	4
<b>VC1872</b>	PrkA AAA domain-containing protein	Cytoplasmic	3	1	4	5	1
<b>VC0731</b>	Alkyl hydroperoxide reductase C	Cytoplasmic	4	1	3	5	1
<b>VC1202</b>	Histidine ammonia-lyase	Cytoplasmic	2	1	3	3	4
<b>VC0708</b>	Outer membrane protein assembly factor BamD	Outer Membrane	3	2	2	3	3
<b>VC0055</b>	Oxygen-dependent coproporphyrinogen-III oxidase	Cytoplasmic	3	1	2	3	4
<b>VCA0859</b>	Oxidoreductase, aldo/keto reductase 2 family	Cytoplasmic	1	4	2	3	3
<b>VCA0593</b>	Exopolyphosphatase-related protein	Cytoplasmic	2	1	1	2	7

<b>VC2416</b>	2',3'-cyclic-nucleotide 2'-phosphodiesterase, putative	Periplasmic	3	3	1	2	4
<b>VC2059</b>	Purine-binding chemotaxis protein CheW	Cytoplasmic	1	2	5	4	1
<b>VC1849</b>	Peptidyl-prolyl cis-trans isomerase	Cytoplasmic	2	2	3	1	5
<b>VC1709</b>	Zinc protease, insulinase family	Unknown	2	3	3	3	2
<b>VCA0894</b>	Probable phosphatase VC_A0894	Cytoplasmic	2	3	2	3	2
<b>VC2366</b>	Putative 4-hydroxy-4-methyl-2-oxoglutarate aldolase	Cytoplasmic	1	3	3	2	3
<b>VC2621</b>	Extracellular nuclease-related protein	Unknown	2	1	4	2	3
<b>VC2517</b>	Phospholipid-binding protein MlaC	Unknown	1	3	0	2	6
<b>VC2433</b>	3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA	Cytoplasmic	2	2	4	2	2
<b>VC2766</b>	ATP synthase subunit alpha	Cytoplasmic	2	1	5	3	0
<b>VCA0432</b>	VOC domain-containing protein	Unknown	0	0	2	3	6
<b>VC1887</b>	Peptidoglycan-binding protein CsiV	Unknown	3	0	2	3	3
<b>VC1042</b>	Long-chain fatty acid transport protein	Outer Membrane	3	1	3	2	2
<b>VC0767</b>	Inosine-5'-monophosphate dehydrogenase	Cytoplasmic	1	1	2	4	3
<b>VC0758</b>	HTH cro/C1-type domain-containing protein	Unknown	2	2	3	1	3
<b>VC0422</b>	TldD protein	Cytoplasmic	2	3	4	1	1
<b>VC0381</b>	Uncharacterized protein	Unknown	5	1	1	2	2
<b>VC0168</b>	Cytochrome c5	Periplasmic	0	1	3	2	5
<b>VC0476</b>	D-erythrose-4-phosphate dehydrogenase	Cytoplasmic	1	2	3	2	2
<b>VC2141</b>	Protein FlaG	Unknown	2	4	1	2	1
<b>VCA0053</b>	Purine nucleoside phosphorylase DeoD-type 2	Cytoplasmic	0	3	2	3	2
<b>VCA0026</b>	UPF0319 protein VC_A0026	Unknown	3	0	0	1	6
<b>VC1623</b>	Carboxynorspermidine/carboxyspermidine decarboxylase	Cytoplasmic	2	2	0	4	2
<b>VC0435</b>	50S ribosomal protein L21	Cytoplasmic	0	0	5	4	1
<b>VC0327</b>	50S ribosomal protein L7/L12	Unknown	5	1	1	1	2
<b>VCA0765</b>	L-allo-threonine aldolase	Cytoplasmic	1	2	3	2	2
<b>VCA0644</b>	NADH oxidase, putative	Unknown	2	3	2	1	2
<b>VC2524</b>	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC	Cytoplasmic	1	5	0	1	3
<b>VC2422</b>	nicotinate-nucleotide diphosphorylase (carboxylating)	Cytoplasmic	2	1	2	2	3
<b>VC1059</b>	Oxidoreductase, short-chain dehydrogenase/reductase family	Cytoplasmic	2	0	0	4	4
<b>VC1049</b>	Transcriptional regulator, LysR family	Cytoplasmic	1	2	2	3	2
<b>VC0715</b>	NADPH-flavin oxidoreductase	Inner Membrane	2	0	2	2	4
<b>VC0710</b>	Purine nucleoside phosphorylase	Unknown	1	2	3	2	2
<b>VC0502</b>	Type IV pilin, putative	Unknown	2	0	3	3	2
<b>VC0408</b>	MSHA pilin protein MshB	Unknown	1	0	2	3	4
<b>VC2664</b>	Chaperonin GroEL 1	Cytoplasmic	2	1	3	2	1
<b>VC2359</b>	Uracil-DNA glycosylase	Cytoplasmic	2	1	2	1	3
<b>VC2019</b>	3-oxoacyl-[acyl-carrier-protein] synthase 2	Cytoplasmic	4	0	1	1	3
<b>VC0752</b>	Chaperone protein HscA homolog	Cytoplasmic	2	2	2	2	1
<b>VC0461</b>	Pyridoxal phosphate homeostasis protein	Cytoplasmic	1	1	2	2	3
<b>VC0445</b>	Chaperone SurA	Periplasmic	2	2	1	1	3
<b>VCA0913</b>	Hemin ABC transporter, periplasmic hemin-binding protein HutB	Periplasmic	1	1	2	1	4
<b>VCA0814</b>	Agmatinase	Cytoplasmic	0	0	5	1	3
<b>VCA0712</b>	Pyrazinamidase/nicotinamidase	Cytoplasmic	2	1	1	2	3
<b>VCA0581</b>	Peptidase M48 domain-containing protein	Unknown	2	1	1	2	3
<b>VC2568</b>	Peptidyl-prolyl cis-trans isomerase	Cytoplasmic	2	2	1	0	4

<b>VC2413</b>	Acetyltransferase component of pyruvate dehydrogenase complex	Cytoplasmic	4	2	1	1	1
<b>VC1703</b>	Uncharacterized protein	Unknown	3	0	1	1	4
<b>VC1369</b>	SsuA/THI5-like domain-containing protein	Inner Membrane	3	1	0	0	5
<b>VC0485</b>	Pyruvate kinase	Cytoplasmic	3	0	2	1	3
<b>VC0344</b>	N-acetylmuramoyl-L-alanine amidase	Unknown	2	2	2	1	2
<b>VC2628</b>	3-dehydroquinate synthase	Cytoplasmic	1	1	2	2	2
<b>VC2472</b>	tRNA-modifying protein YgfZ	Unknown	5	1	0	0	2
<b>VC2272</b>	Transcriptional repressor NrdR	Cytoplasmic	4	1	2	0	1
<b>VC0179</b>	Cyclic GMP-AMP synthase	Cytoplasmic	2	0	1	1	4
<b>VCA1016</b>	Lipoprotein	Unknown	1	2	2	1	2
<b>VCA0558</b>	Gamma-glutamyltranspeptidase, putative	Periplasmic	4	0	0	1	3
<b>VCA0459</b>	Lipoprotein	Unknown	1	1	3	1	2
<b>VCA0346</b>	H-REV 107-related protein	Unknown	2	1	2	1	2
<b>VCA0059</b>	Major outer membrane lipoprotein Lpp	Outer Membrane	4	0	1	1	2
<b>VC2418</b>	Thiol:disulfide interchange protein	Periplasmic	2	1	1	1	3
<b>VC2204</b>	Negative regulator of flagellin synthesis	Unknown	3	3	0	1	1
<b>VC2092</b>	Citrate synthase	Cytoplasmic	1	0	1	5	1
<b>VC2089</b>	Succinate dehydrogenase flavoprotein subunit	Inner Membrane	2	1	1	2	2
<b>VC1089</b>	Periplasmic binding protein-related protein	Periplasmic	1	0	2	2	3
<b>VC0554</b>	Protease, insulinase family/protease, insulinase family	Unknown	2	2	0	1	3
<b>VC0855</b>	Chaperone protein DnaK	Cytoplasmic	0	1	1	1	4
<b>VC0837</b>	Toxin coregulated pilus biosynthesis protein F	Unknown	2	1	2	1	1
<b>VC0851</b>	Outer membrane protein assembly factor BamE	Outer Membrane	1	1	2	2	1
<b>VCA0277</b>	Glycine cleavage system H protein	Cytoplasmic	2	0	2	1	2
<b>VC2736</b>	33 kDa chaperonin	Cytoplasmic	1	0	2	2	2
<b>VC2579</b>	30S ribosomal protein S5	Cytoplasmic	1	2	2	2	0
<b>VC1297</b>	Asparagine--tRNA ligase	Cytoplasmic	3	0	1	0	3
<b>VC0528</b>	2-C-methyl-D-erythritol 4-phosphate cytidyltransferase	Cytoplasmic	1	0	2	3	1
<b>VC0384</b>	Sulfite reductase [NADPH] flavoprotein alpha-component	Inner Membrane	1	2	1	2	1
<b>VCA1075</b>	PEGA domain-containing protein	Unknown	0	0	1	1	5
<b>VCA0880</b>	Uncharacterized protein	Unknown	2	2	1	1	1
<b>VCA0632</b>	MutT/nudix family protein	Cytoplasmic	3	0	2	1	1
<b>VCA0345</b>	DUF1349 domain-containing protein	Unknown	1	2	2	1	1
<b>VC2625</b>	Ribulose-phosphate 3-epimerase	Cytoplasmic	1	3	1	0	2
<b>VC2456</b>	Uncharacterized protein	Outer Membrane	1	0	2	2	2
<b>VC2358</b>	Hemerythrin-like domain-containing protein	Cytoplasmic	3	0	0	1	3
<b>VC2004</b>	Haem-binding uptake Tiki superfamily ChaN domain-containing protein	Unknown	2	1	1	1	2
<b>VC1987</b>	Outer membrane lipoprotein Slp, putative	Outer Membrane	4	2	0	1	0
<b>VC1745</b>	Succinate-semialdehyde dehydrogenase	Cytoplasmic	0	1	1	3	2
<b>VC0373</b>	YjbQ family protein	Unknown	2	1	1	2	1
<b>VC0103</b>	Uncharacterized protein	Cytoplasmic	3	2	0	1	1
<b>VC0078</b>	Ferritin	Cytoplasmic	2	2	1	2	0
<b>VC0026</b>	Zinc-binding alcohol dehydrogenase	Cytoplasmic	2	1	2	1	1
<b>VC0017</b>	Uncharacterized protein	Unknown	4	0	1	2	0
<b>VC0545</b>	Alanine--tRNA ligase	Cytoplasmic	0	2	0	1	3
<b>VCA0580</b>	Putative esterase VC_A0580	Unknown	1	2	1	1	1
<b>VC2587</b>	30S ribosomal protein S17	Cytoplasmic	1	1	2	2	0



<b>VC2342</b>	Elongation factor G 2	Cytoplasmic	0	1	2	3	0
<b>VC2260</b>	30S ribosomal protein S2	Cytoplasmic	1	0	0	3	2
<b>VC2156</b>	Outer membrane protein assembly factor BamC	Outer Membrane	5	0	0	0	1
<b>VC1738</b>	Enoyl-[acyl-carrier-protein] reductase [NADH] 1	Cytoplasmic	1	0	1	1	3
<b>VC0570</b>	50S ribosomal protein L13	Cytoplasmic	1	1	2	2	0
<b>VCA0415</b>	VOC domain-containing protein	Unknown	1	1	0	1	3
<b>VC2527</b>	Lipopolysaccharide export system protein LptA	Unknown	3	0	1	1	1
<b>VC2362</b>	Threonine synthase	Cytoplasmic	1	1	1	2	1
<b>VC2196</b>	Flagellar basal-body rod protein FlgF	Periplasmic	0	0	0	2	4
<b>VC2081</b>	High-affinity zinc uptake system protein ZnuA	Periplasmic	1	1	2	0	2
<b>VC1938</b>	Thioesterase	Cytoplasmic	1	2	1	1	1
<b>VC0942</b>	Lipoprotein	Unknown	3	3	0	0	0
<b>VC0911</b>	Trehalose-6-phosphate hydrolase	Cytoplasmic	0	1	1	0	4
<b>VC2106</b>	Ferric uptake regulation protein	Cytoplasmic	1	2	0	1	1
<b>VCA0907</b>	Heme oxygenase HutZ	Cytoplasmic	3	0	0	1	1
<b>VC2458</b>	Pyridoxine 5'-phosphate synthase	Cytoplasmic	1	0	1	1	2
<b>VC2236</b>	Hydroxyacylglutathione hydrolase	Cytoplasmic	0	1	0	2	2
<b>VC2025</b>	50S ribosomal protein L32	Cytoplasmic	3	0	1	1	0
<b>VC1727</b>	Glucose-1-phosphate adenylyltransferase 1	Cytoplasmic	1	0	1	2	1
<b>VC1692</b>	Trimethylamine-N-oxide reductase	Periplasmic	0	0	2	2	1
<b>VC1508</b>	UPF0234 protein VC_1508	Cytoplasmic	2	0	1	1	1
<b>VC1345</b>	Putative dioxygenase VC_1345	Cytoplasmic	1	0	1	3	0
<b>VC0692</b>	Beta-hexosaminidase	Cytoplasmic	2	0	1	0	2
<b>VC0052</b>	N5-carboxyaminoimidazole ribonucleotide mutase	Unknown	1	0	1	1	2
<b>VCA1035</b>	Uncharacterized protein	Unknown	1	0	2	1	1
<b>VCA0958</b>	HTH cro/C1-type domain-containing protein	Cytoplasmic	1	0	1	1	2
<b>VCA0726</b>	Molybdenum ABC transporter, periplasmic molybdenum-binding protein	Periplasmic	2	2	0	0	1
<b>VCA0139</b>	DUF3316 domain-containing protein	Unknown	1	0	0	2	2
<b>VC2747</b>	DUF4124 domain-containing protein	Unknown	1	1	2	0	1
<b>VC2022</b>	Malonyl CoA-acyl carrier protein transacylase	Cytoplasmic	1	0	1	1	2
<b>VC1893</b>	Aminoglycoside phosphotransferase domain-containing protein	Cytoplasmic	1	0	2	1	1
<b>VC2720</b>	Fe/S biogenesis protein NfuA	Cytoplasmic	0	2	1	1	0
<b>VC2586</b>	50S ribosomal protein L14	Cytoplasmic	0	1	1	2	0
<b>VC2273</b>	Gamma-glutamyl phosphate reductase	Unknown	1	2	0	1	0
<b>VC2140</b>	Flagellar hook-associated protein 2	Extracellular	2	1	1	0	0
<b>VC0986</b>	Adenylate kinase	Cytoplasmic	1	0	1	1	1
<b>VC0329</b>	DNA-directed RNA polymerase subunit beta'	Cytoplasmic	0	1	1	0	2
<b>VC0219</b>	50S ribosomal protein L33	Cytoplasmic	0	0	1	3	0
<b>VCA0033</b>	Transcriptional initiation protein Tat	Unknown	1	2	0	1	0
<b>VC2455</b>	Phosphate ABC transporter substrate-binding protein	Inner Membrane	1	0	0	0	3
<b>VC2435</b>	ADP-ribose pyrophosphatase	Cytoplasmic	2	0	1	0	1
<b>VC2195</b>	Flagellar basal-body rod protein FlgG	Extracellular	1	0	1	1	1
<b>VC1496</b>	Tail-specific protease	Inner Membrane	1	0	0	0	3
<b>VC1043</b>	Long-chain fatty acid transport protein	Outer Membrane	0	2	0	1	1
<b>VC0910</b>	PTS system, trehalose-specific IIBC component	Inner Membrane	2	1	0	1	0
<b>VC0841</b>	Accessory colonization factor AcfC	Unknown	2	1	0	0	1
<b>VC0550</b>	Oxaloacetate decarboxylase, alpha subunit	Cytoplasmic	1	1	0	0	2

<b>VCA0123</b>	Type VI secretion system spike protein VgrG3	Cytoplasmic	0	2	1	0	0
<b>VC2596</b>	50S ribosomal protein L3	Cytoplasmic	0	1	1	1	0
<b>VC2492</b>	3-isopropylmalate dehydratase large subunit	Cytoplasmic	0	0	1	0	2
<b>VC0941</b>	Serine hydroxymethyltransferase 1	Cytoplasmic	0	1	0	1	1
<b>VC0487</b>	Glutamine--fructose-6-phosphate aminotransferase [isomerizing]	Cytoplasmic	0	0	0	1	2
<b>VC0397</b>	Single-stranded DNA-binding protein	Cytoplasmic	0	0	0	2	1
<b>VCA0722</b>	Uncharacterized protein	Unknown	0	1	0	1	1
<b>VCA0563</b>	NAD(P) transhydrogenase subunit alpha	Inner Membrane	1	0	1	0	1
<b>VC2684</b>	Bifunctional aspartokinase/homoserine dehydrogenase	Cytoplasmic	0	0	0	1	2
<b>VC2420</b>	Flavodoxin	Unknown	1	0	2	0	0
<b>VC2414</b>	Pyruvate dehydrogenase E1 component	Cytoplasmic	0	1	0	2	0
<b>VC2280</b>	Putative ATP-dependent zinc protease domain-containing protein	Cytoplasmic	1	2	0	0	0
<b>VC2084</b>	Succinate--CoA ligase [ADP-forming] subunit alpha	Cytoplasmic	2	0	0	1	0
<b>VC2013</b>	PTS system glucose-specific EIICB component	Inner Membrane	2	1	0	0	0
<b>VC1964</b>	Tim44-like domain-containing protein	Inner Membrane	1	0	0	0	2
<b>VC1601</b>	Uncharacterized protein	Inner Membrane	1	0	0	0	2
<b>VC1267</b>	DUF1513 domain-containing protein	Inner Membrane	1	0	0	1	1
<b>VC1207</b>	DUF3187 family protein	Outer Membrane	2	0	0	0	1
<b>VC0200</b>	Iron(III) compound receptor	Outer Membrane	0	0	1	1	1
<b>VC0041</b>	DUF3157 domain-containing protein	Unknown	0	0	1	1	1
<b>VCA0740</b>	UPF0502 protein VC_A0740	Cytoplasmic	1	1	0	0	0
<b>VC2583</b>	30S ribosomal protein S14	Cytoplasmic	0	1	1	0	0
<b>VC2581</b>	50S ribosomal protein L6	Cytoplasmic	1	0	1	0	0
<b>VC2463</b>	Elongation factor 4	Inner Membrane	1	1	0	0	0
<b>VC2249</b>	3-hydroxyacyl-[acyl-carrier-protein] dehydratase FabZ	Cytoplasmic	1	1	0	0	0
<b>VC0468</b>	Glutathione synthetase	Cytoplasmic	0	0	0	1	1
<b>VCA1054</b>	NAD(P)-binding domain-containing protein	Unknown	1	0	1	0	0
<b>VCA1027</b>	Maltose operon periplasmic protein, putative	Periplasmic	0	0	0	1	1
<b>VCA0212</b>	Sugar ABC transporter ATPase	Cytoplasmic	1	0	0	0	1
<b>VCA0125</b>	DUF3012 domain-containing protein	Unknown	0	0	0	1	1
<b>VC2744</b>	50S ribosomal subunit assembly factor BipA	Inner Membrane	1	0	0	0	1
<b>VC2341</b>	Long-chain-fatty-acid--CoA ligase, putative	Cytoplasmic	1	0	0	1	0
<b>VC1896</b>	Uncharacterized protein	Inner Membrane	1	1	0	0	0
<b>VC1776</b>	N-acetylneuraminate lyase, putative	Cytoplasmic	1	1	0	0	0
<b>VC1555</b>	YhcH/YjgK/YiaL family protein	Cytoplasmic	0	0	1	0	1
<b>VC1249</b>	Glycine cleavage system transcriptional repressor	Inner Membrane	0	0	1	1	0
<b>VC1031</b>	Inosine monophosphate dehydrogenase-related protein	Unknown	1	0	0	1	0
<b>VC0457</b>	DUF4426 domain-containing protein	Unknown	0	0	0	1	1
<b>VC0392</b>	Aminotransferase, class V	Cytoplasmic	1	0	0	1	0