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Protein Family Models

The model on this page is part of a hierarchical collection of curated Hidden Markov Model-based and BLAST-based protein families (HMMs and BlastRules), and Conserved Domain Database architectures used to assign names, gene symbols, publications and EC numbers to the prokaryotic RefSeq proteins that meet the criteria for inclusion in a family. HMMs and BlastRules also contribute to structural annotation by NCBI's Prokaryotic Genome Annotation Pipeline (PGAP) (Read more).

globin domain

Details

NCBI HMM accession	NF012272.2
Source identifier	EMBL-EBI PF00042
Product name ?	globin domain-containing protein
Label ?	Globin
Family type ?	domain
GO term(s) ?	Molecular function : heme binding (GO:0020037)
HMM length ?	110 aa
Sequence cutoff ?	20.5
Domain cutoff ?	20.5
Number of RefSeq protein hits ?	33205
Last updated	2021-09-27

References

- 1 Bogusz D, Appleby CA, Landsmann J, Dennis ES, Trinick MJ, Peacock WJ. Functioning haemoglobin genes in non-nodulating plants. Nature. 331, 178-80 (1988). [PMID: [2448639](#)]
- 2 Bashford D, Chothia C, Lesk AM. Determinants of a protein fold. Unique features of the globin amino acid sequences. Journal of molecular biology. 196, 199-216 (1987). [PMID: [3656444](#)]
- 3 Kinniburgh AJ, Maquat LE, Schedl T, Rachmilewitz E, Ross J. mRNA-deficient beta o-thalassemia results from a single nucleotide deletion. Nucleic acids research. 10, 5421-7 (1982). [PMID: [6292840](#)]
- 4 Neuwald AF, Liu JS, Lipman DJ, Lawrence CE. Extracting protein alignment models from the sequence database. Nucleic acids research. 25, 1665-77 (1997). [PMID: [9108146](#)]

Feedback

Protein hits

HMM NF012272.2 hits 33205 RefSeq proteins above the sequence cutoff (20.5) and domain cutoff (20.5). It is used to name 7165 of these proteins. The other 26040 proteins derive their names from higher precedence annotation evidence.

- Named by this model (7165)
- Other hits (26040)

Filters ▾										Action
☐	Accession	Protein name	Named by	Organism	Sequence score	Domain score	Length (aa)	RefSeq assemblies	Coverage	
☐	WP_010475302.1	globin family protein	arch 10187048	<i>Acaryochloris</i> sp. CCMEE 5410	146.4	53.3	489	1		
☐	WP_015134921.1	globin family protein	arch 10187048	<i>Leptolyngbya</i> sp. PCC 7376	111.3	55.5	339	1		
☐	WP_130122122.1	hemoglobin beta-like protein	arch 10172378	<i>Acinetobacter</i> <i>pittii</i>	109.8	105.8	147	1		
☐	WP_204106807.1	globin family protein	arch 10187048	<i>Spirulina major</i>	109.4	54.4	409	1		
☐	WP_204256534.1	hemoglobin beta-like protein	arch 10172378	<i>Mammaliicoccus</i> <i>sciuri</i>	109.4	105.5	158	1		
☐	WP_213073660.1	hemoglobin beta-like protein	arch 10172378	<i>Acinetobacter</i> <i>pittii</i>	109.2	105.3	164	1		
☐	WP_213073514.1	hemoglobin beta-like protein	arch 10172378	<i>Acinetobacter</i> <i>pittii</i>	108.8	105.0	176	1		
☐	WP_229295132.1	hemoglobin beta-like protein	arch 10172378	<i>Streptococcus</i> <i>agalactiae</i>	108.5	108.3	116	1		
☐	WP_221411036.1	hemoglobin beta-like protein	arch 10172378	<i>unclassified</i> <i>Apibacter</i>	107.9	105.1	162	2		
☐	WP_264327310.1	globin family protein	arch 10187048	<i>Romeriopsis</i> <i>navalis</i>	107.9	54.5	315	1		
☐	WP_229295798.1	hemoglobin beta-like protein	arch 10172378	<i>Streptococcus</i> <i>agalactiae</i>	107.7	107.0	155	1		
☐	WP_190522881.1	pentapeptide repeat-containing protein	NF013003.2	<i>Planktothrix</i> sp. FACHB-1365	107.7	53.6	615	1		
☐	WP_229295208.1	hemoglobin beta-like protein	arch 10172378	<i>Streptococcus</i> <i>agalactiae</i>	107.4	106.6	169	2		
☐	WP_228307999.1	hemoglobin beta-like protein	arch 10172378	<i>Streptococcus</i> <i>agalactiae</i>	107.4	106.7	167	1		

☐	WP_229295167.1	hemoglobin beta-like protein	arch 10172378	Streptococcus agalactiae	107.4	106.6	168	1	
☐	WP_228308037.1	hemoglobin beta-like protein	arch 10172378	Streptococcus agalactiae	107.4	106.7	166	3	
☐	WP_221411207.1	hemoglobin beta-like protein	arch 10172378	Apibacter sp. B3935	107.3	104.6	183	1	
☐	WP_130243533.1	hemoglobin beta-like protein	arch 10172378	Acinetobacter pittii	107.3	106.1	138	1	
☐	WP_232819423.1	hemoglobin beta-like protein	arch 10172378	Saccharospirillum mangrovi	107.3	106.5	161	1	
☐	WP_229295361.1	hemoglobin beta-like protein	arch 10172378	Streptococcus agalactiae	107.3	106.6	170	1	
☐	WP_039737586.1	pentapeptide repeat-containing protein	NF013003.2	Hassallia byssoides	106.4	52.5	626	1	
☐	WP_022608390.1	globin family protein	arch 10187048	Rubidibacter lacunae	106.1	54.9	368	1	
☐	WP_019504679.1	globin family protein	arch 10187048	Pleurocapsa sp. PCC 7319	105.7	53.7	360	1	
☐	WP_089126670.1	pentapeptide repeat-containing protein	NF013003.2	Tolypothrix sp. NIES-4075	104.0	51.1	627	1	
☐	WP_219198213.1	hemoglobin beta-like protein	arch 10172378	Neisseria meningitidis	103.7	101.7	148	16	
☐	WP_219222165.1	hemoglobin beta-like protein	arch 10172378	Neisseria meningitidis	103.7	101.7	148	1	
☐	WP_232819422.1	hemoglobin beta-like protein	arch 10172378	Saccharospirillum mangrovi	103.6	102.4	161	1	
☐	WP_254514311.1	hemoglobin beta-like protein	arch 10172378	Salmonella enterica	103.5	102.5	149	1	
☐	WP_219337324.1	hemoglobin beta-like protein	arch 10172378	Neisseria meningitidis	103.5	101.9	143	1	
☐	WP_079681375.1	pentapeptide repeat-containing protein	NF013003.2	Planktothrix sp. PCC 11201	103.1	50.8	615	1	
☐	WP_156973426.1	hemoglobin beta-like protein	arch 10172378	Vibrio cholerae	103.1	101.9	147	1	
☐	WP_212664748.1	globin family protein	arch 10187048	Acaryochloris marina	103.0	54.2	342	1	
☐	WP_006510535.1	globin family protein	arch 10187048	Xenococcus sp. PCC 7305	103.0	51.0	343	1	

☐	WP_222104840.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Klebsiella quasivariicola</i>	102.7	102.3	151	1	
☐	WP_219227383.1	hemoglobin beta-like protein	arch 10172378	<i>Neisseria meningitidis</i>	102.5	102.3	130	1	
☐	WP_158442305.1	globin family protein	arch 10187048	<i>Planktothrix agardhii</i>	102.5	52.4	433	1	
☐	WP_148292362.1	globin family protein	arch 10187048	<i>Planktothrix</i>	102.4	50.1	428	3	
☐	WP_038090237.1	pentapeptide repeat-containing protein	NF013003.2	<i>Tolypothrix bouillei</i>	102.3	52.0	600	1	
☐	WP_196511286.1	pentapeptide repeat-containing protein	NF013003.2	<i>Nostoc sp. NZL</i>	102.1	53.7	612	1	
☐	WP_235107498.1	globin family protein	arch 10187048	<i>Acaryochloris sp. 'Moss Beach'</i>	101.9	53.1	342	1	
☐	WP_017454572.1	hemoglobin beta-like protein	arch 10172378	<i>Herbaspirillum rubrisubalbicans</i>	101.7	101.1	148	1	
☐	WP_012164710.1	globin family protein	arch 10187048	<i>Acaryochloris marina</i>	101.6	53.7	338	2	
☐	WP_198128607.1	pentapeptide repeat-containing protein	NF013003.2	<i>Amazonocrinis nigriterrae</i>	101.5	50.0	664	1	
☐	WP_228312842.1	hemoglobin beta-like protein	arch 10172378	<i>Streptococcus agalactiae</i>	101.3	101.2	104	1	
☐	WP_006632596.1	pentapeptide repeat-containing protein	NF013003.2	<i>Microcoleus vaginatus</i>	100.1	50.6	639	1	
☐	WP_172185462.1	pentapeptide repeat-containing protein	NF013003.2	<i>Microcoleus asticus</i>	100.1	50.7	639	1	
☐	WP_249104627.1	pentapeptide repeat-containing protein	NF013003.2	<i>Argonema galeatum</i>	100.1	49.3	637	1	
☐	WP_144866489.1	globin family protein	arch 10187048	<i>Hyella patelloides</i>	99.9	49.7	353	1	
☐	WP_083617732.1	pentapeptide repeat-containing protein	NF013003.2	<i>Planktothrix paucivesiculata</i>	99.8	50.8	615	1	
☐	WP_185150429.1	hemoglobin alpha subunit family protein	arch 10172381	<i>unclassified Apibacter</i>	99.8	99.3	150	3	
☐	WP_228308252.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Streptococcus agalactiae</i>	99.4	99.2	127	1	
☐	WP_250889319.1	pentapeptide repeat-containing protein	NF013003.2	<i>Planktothrix agardhii</i>	99.0	49.6	612	2	

☐	WP_228312840.1	hemoglobin alpha subunit family protein	arch 10172381	Streptococcus agalactiae	98.9	98.5	149	2	
☐	WP_228308000.1	hemoglobin alpha subunit family protein	arch 10172381	Streptococcus agalactiae	98.9	98.5	148	2	
☐	WP_228308089.1	hemoglobin alpha subunit family protein	arch 10172381	Streptococcus agalactiae	98.8	98.4	151	5	
☐	WP_229295797.1	hemoglobin alpha subunit family protein	arch 10172381	Streptococcus agalactiae	98.8	98.4	153	1	
☐	WP_228312866.1	hemoglobin alpha subunit family protein	arch 10172381	Streptococcus agalactiae	98.8	98.5	150	3	
☐	WP_124145965.1	globin family protein	arch 10187048	Okeania hirsuta	98.7	49.8	340	2	
☐	WP_019507993.1	pentapeptide repeat-containing protein	NF013003.2	Pleurocapsa sp. PCC 7319	98.6	49.6	603	1	
☐	WP_016949505.1	pentapeptide repeat-containing protein	NF013003.2	Anabaena sp. PCC 7108	98.1	48.9	674	1	
☐	WP_237157283.1	pentapeptide repeat-containing protein	NF013003.2	Planktothrix	98.1	48.6	617	2	
☐	WP_026798752.1	pentapeptide repeat-containing protein	NF013003.2	Planktothrix prolifica	98.1	48.6	615	2	
☐	WP_096599336.1	pentapeptide repeat-containing protein	NF013003.2	Calothrix sp. NIES-2100	97.8	51.3	656	1	
☐	WP_096563934.1	pentapeptide repeat-containing protein	NF013003.2	Scytonema sp. NIES-4073	97.8	50.0	604	1	
☐	WP_190460078.1	pentapeptide repeat-containing protein	NF013003.2	Cylindrospermum sp. FACHB-282	97.7	47.6	657	1	
☐	WP_206264804.1	pentapeptide repeat-containing protein	NF013003.2	Nostoc sp. UHCC 0702	97.4	47.5	661	1	
☐	WP_015202830.1	pentapeptide repeat-containing protein	NF013003.2	Crinalium epipsammum	97.3	48.8	612	1	
☐	WP_039724586.1	globin family protein	arch 10187048	Leptolyngbya sp. LK	97.2	51.1	332	1	
☐	WP_219332591.1	hemoglobin beta-like protein	arch 10172378	Moraxella osloensis	97.2	95.1	133	1	
☐	WP_188732156.1	hemoglobin beta-like protein	arch 10172378	Massilia psychrophila	97.1	96.1	148	1	
☐	WP_163938818.1	hemoglobin beta-like protein	arch 10172378	Paraferriomonas sp. SM1919	97.1	96.3	142	1	

☐	WP_261220085.1	pentapeptide repeat-containing protein	NF013003.2	<i>Ancylothrix sp. D3o</i>	96.9	47.5	628	1	
☐	WP_219207854.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.8	96.4	139	1	
☐	WP_219225072.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.8	96.4	139	1	
☐	WP_219197637.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.7	96.3	141	1	
☐	WP_219199324.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.7	96.3	143	4	
☐	WP_229677705.1	hemoglobin beta-like protein	arch 10172378	<i>Pseudoalteromonas profunda</i>	96.7	95.8	162	1	
☐	WP_219198212.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.7	96.3	143	11	
☐	WP_226164198.1	hemoglobin beta-like protein	arch 10172378	<i>Hymenobacter terricola</i>	96.7	95.8	153	1	
☐	WP_219195921.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Proteobacteria</i>	96.7	96.3	143	3	
☐	WP_188732147.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Proteobacteria</i>	96.6	96.2	143	2	
☐	WP_238559856.1	pentapeptide repeat-containing protein	NF013003.2	<i>Planktothrix rubescens</i>	96.5	49.2	617	1	
☐	WP_219222166.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	96.4	96.0	152	1	
☐	WP_073636573.1	pentapeptide repeat-containing protein	NF013003.2	<i>Scytonema sp. HK-05</i>	95.9	50.0	602	2	
☐	WP_017454571.1	hemoglobin beta-like protein	arch 10172378	<i>Herbaspirillum rubrisubalbicans</i>	95.8	94.9	148	1	
☐	WP_127056815.1	pentapeptide repeat-containing protein	NF013003.2	<i>Trichormus variabilis</i>	95.7	49.1	666	2	
☐	WP_176718239.1	hemoglobin beta-like protein	arch 10172378	<i>Paenibacillus kribbensis</i>	95.5	94.9	151	1	
☐	WP_252129977.1	hemoglobin beta-like protein	arch 10172378	<i>Lactiplantibacillus sp. E932</i>	95.5	94.6	143	1	
☐	WP_210613959.1	pentapeptide repeat-containing protein	NF013003.2	<i>Brasilonema sp. CT11</i>	95.4	47.2	644	1	
☐	WP_193993782.1	globin family protein	arch 10187048	<i>Leptolyngbya ectocarp</i>	95.4	48.5	327	1	

☐	WP_252129982.1	hemoglobin beta-like protein	arch 10172378	Lactiplantibacillus sp. E932	95.2	94.6	146	1	
☐	WP_096557775.1	pentapeptide repeat-containing protein	NF013003.2	Nostoc sp. NIES-4103	95.1	47.8	657	1	
☐	WP_190720466.1	pentapeptide repeat-containing protein	NF013003.2	Anabaena lutea	94.9	47.5	673	1	
☐	WP_252129971.1	hemoglobin alpha subunit family protein	arch 10172381	Lactiplantibacillus sp. E932	94.9	94.5	143	1	
☐	WP_010179915.1	globin family protein	arch 10187048	Aquimarina agarilytica	94.4	46.2	296	1	
☐	WP_193981538.1	pentapeptide repeat-containing protein	NF013003.2	Phormidium sp. LEGE 05292	94.3	45.9	589	1	
☐	WP_166274459.1	globin family protein	arch 10187048	Lyngbya confervoides	94.3	46.2	353	1	
☐	WP_061610823.1	globin family protein	arch 10187048	Sorangium cellulosum	93.9	46.3	443	1	
☐	WP_163698784.1	globin family protein	arch 10187048	Adonia turfae	93.5	46.7	329	1	
☐	WP_155750297.1	pentapeptide repeat-containing protein	NF013003.2	Scytonema sp. UIC 10036	93.4	47.8	611	1	
☐	WP_204139681.1	globin family protein	arch 10187048	Halomicronema sp. CCY15110	93.4	46.1	333	1	
☐	WP_219208631.1	hemoglobin beta-like protein	arch 10172378	Neisseria meningitidis	92.9	90.8	127	1	
☐	WP_215608197.1	globin family protein	arch 10187048	Leptothoe spongobia	92.7	45.5	335	1	
☐	WP_171491138.1	hemoglobin alpha subunit family protein	arch 10172381	Acinetobacter baumannii	92.6	92.3	145	1	
☐	WP_023074468.1	globin family protein	arch 10187048	Leptolyngbya sp. Heron Island J	92.5	46.8	332	1	
☐	WP_163663610.1	globin family protein	arch 10187048	Adonia turfae	92.2	45.3	329	1	
☐	WP_252130108.1	hemoglobin beta-like protein	arch 10172378	Lactiplantibacillus sp. E932	92.2	92.0	105	1	
☐	WP_167719753.1	pentapeptide repeat-containing protein	NF013003.2	Tolypothrix sp. PCC 7910	92.1	45.8	656	1	
☐	WP_006517664.1	globin family protein	arch 10187048	Leptolyngbya sp. PCC 7375	91.9	46.9	329	1	

☐	WP_147503401.1	hemoglobin beta-like protein	arch 10172378	<i>Acinetobacter baumannii</i>	91.8	91.6	122	1	
☐	WP_166498775.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.6	90.8	146	1	
☐	WP_166488377.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.6	90.7	147	1	
☐	WP_208091391.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.5	90.6	150	1	
☐	WP_208091318.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.4	90.6	153	4	
☐	WP_208091597.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.4	90.5	154	1	
☐	WP_208091350.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	91.4	90.6	152	2	
☐	WP_208092003.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	91.0	90.7	155	1	
☐	WP_192463835.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Bacillus spizizenii</i>	90.9	90.5	154	1	
☐	WP_219195953.1	hemoglobin beta-like protein	arch 10172378	<i>Neisseria meningitidis</i>	90.5	88.3	127	1	
☐	WP_166488560.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	90.3	90.0	145	1	
☐	WP_006454103.1	globin family protein	arch 10187048	<i>Synechococcus sp. PCC 7335</i>	89.9	47.6	369	1	
☐	WP_194001213.1	pentapeptide repeat-containing protein	NF013003.2	<i>unclassified Nodularia</i>	89.8	43.5	666	2	
☐	WP_193854036.1	globin family protein	arch 10187048	<i>cf. Phormidesmis sp. LEGE 11477</i>	89.7	46.1	370	1	
☐	WP_024754307.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Mycobacterium tuberculosis</i>	89.6	89.2	143	1	
☐	WP_129345182.1	globin family protein	arch 10187048	<i>Sorangium cellulosum</i>	89.6	44.5	643	1	
☐	WP_252129968.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Lactiplantibacillus sp. E932</i>	89.4	89.0	149	1	
☐	WP_252129969.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Lactiplantibacillus sp. E932</i>	89.2	88.8	143	1	
☐	WP_224248719.1	globin family protein	arch 10187048	<i>Cystobacter gracilis</i>	89.0	44.8	620	1	

☐	WP_166488858.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	88.8	88.5	136	2	
☐	WP_096538827.1	pentapeptide repeat-containing protein	NF013003.2	<i>Nostoc linckia</i>	88.7	43.1	638	1	
☐	WP_224362098.1	globin family protein	arch 10187048	<i>Hyalangium sp. H56D21</i>	87.7	42.6	619	1	
☐	WP_197223320.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Bacillus thuringiensis</i>	87.5	87.0	144	1	
☐	WP_190906436.1	pentapeptide repeat-containing protein	NF013003.2	<i>Anabaena catenula</i>	87.4	42.8	663	1	
☐	WP_215903718.1	hemoglobin beta-like protein	arch 10172378	<i>Acinetobacter baumannii</i>	86.7	85.7	154	1	
☐	WP_175283825.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	86.2	85.5	145	1	
☐	WP_176265462.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	86.2	85.4	147	1	
☐	WP_175283828.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	86.2	85.8	149	2	
☐	WP_175286211.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	86.1	85.7	151	1	
☐	WP_230014939.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Bacillus velezensis</i>	86.1	85.8	131	1	
☐	WP_228491168.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	85.9	85.5	169	1	
☐	WP_175286226.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	85.9	85.6	142	1	
☐	WP_228491627.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	85.8	85.4	175	1	
☐	WP_153597171.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	85.5	85.2	163	1	
☐	WP_228490809.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	85.3	84.9	173	1	
☐	WP_110984226.1	globin family protein	arch 10187048	<i>Acaryochloris thomasi</i>	85.2	46.1	356	1	
☐	WP_175283246.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	85.1	84.7	148	2	
☐	WP_175286210.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Escherichia coli</i>	85.0	84.7	150	2	

☐	WP_234023369.1	globin family protein	arch 10187048	<i>Sorangium cellulosum</i>	84.5	40.9	643	1	
☐	WP_252129996.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Lactiplantibacillus sp. E932</i>	84.4	83.9	132	1	
☐	WP_175283826.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	84.2	83.6	157	1	
☐	WP_176271097.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	84.1	83.6	159	1	
☐	WP_176265460.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	84.1	83.6	158	1	
☐	WP_189475003.1	pentapeptide repeat-containing protein	NF013003.2	<i>Halioglobus pacificus</i>	83.9	45.9	577	1	
☐	WP_214670266.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	82.8	82.3	161	1	
☐	WP_153601511.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	82.7	82.3	134	1	
☐	WP_129573050.1	globin family protein	arch 10187048	<i>Sorangium cellulosum</i>	82.4	40.3	665	1	
☐	WP_020732772.1	globin family protein	arch 10187048	<i>Sorangium cellulosum</i>	81.6	39.9	662	1	
☐	WP_226164231.1	hemoglobin beta-like protein	arch 10172378	<i>Hymenobacter terricola</i>	81.1	80.7	104	1	
☐	WP_194810320.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	81.0	80.7	132	1	
☐	WP_012233203.1	globin family protein	arch 10187048	<i>Sorangium cellulosum</i>	80.8	39.5	660	1	
☐	WP_175286207.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	80.4	79.8	158	1	
☐	WP_175284009.1	hemoglobin beta-like protein	arch 10172378	<i>Escherichia coli</i>	78.5	77.9	124	1	
☐	WP_147509735.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Acinetobacter baumannii</i>	76.9	76.6	126	1	
☐	WP_219227391.1	hemoglobin alpha subunit family protein	arch 10172381	<i>Neisseria meningitidis</i>	70.4	69.9	115	1	
☐	WP_153597379.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	67.0	66.6	113	1	
☐	WP_246971312.1	globin family protein	arch 10187048	<i>Alcanivorax sp. S6407</i>	66.4	65.2	135	1	

☐	WP_153502250.1	globin family protein	arch 10187048	Alcanivorax sediminis	65.9	64.7	135	1	
☐	WP_035229823.1	globin family protein	arch 10187048	Alcanivorax nanhaiticus	64.9	63.7	135	1	
☐	WP_063508281.1	globin family protein	arch 10187048	unclassified Alcanivorax	64.3	63.1	135	3	
☐	WP_228490810.1	globin	arch 10099307	Bacillus thuringiensis	63.7	63.1	181	1	
☐	WP_266101679.1	hemoglobin beta-like protein	NA	Streptococcus agalactiae	63.2	62.3	137	1	
☐	WP_103917989.1	globin family protein	arch 10187048	Alcanivorax sp. DSM 26293	63.0	61.8	135	1	
☐	WP_058720464.1	globin family protein	arch 10187048	Paucibacter sp. KCTC 42545	62.7	61.5	137	1	
☐	WP_211010098.1	globin family protein	arch 10187048	Pseudoalteromonas luteoviolacea	62.5	60.9	140	1	
☐	WP_022984449.1	globin family protein	arch 10187048	Alcanivorax	62.1	60.9	135	2	
☐	WP_011588142.1	globin family protein	arch 10187048	Alcanivorax	61.6	60.4	135	5	
☐	WP_102792432.1	globin family protein	arch 10187048	Alcanivorax sp. MD8A	61.5	60.3	135	1	
☐	WP_023401721.1	globin family protein	arch 10187048	Pseudoalteromonas	61.3	59.8	140	3	
☐	WP_227947615.1	hemoglobin beta-like protein	arch 10172378	Klebsiella pneumoniae	61.3	60.4	105	1	
☐	WP_065194899.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	4	
☐	WP_232611033.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	2	
☐	WP_107198002.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	3	
☐	WP_065192465.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	2	
☐	WP_232605675.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	1	
☐	WP_232581671.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	3	

☐	WP_107304002.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	61.2	61.2	400	2	
☐	WP_153597378.1	globin	arch 10099307	Bacillus thuringiensis	61.1	60.6	160	1	
☐	WP_146585710.1	globin family protein	arch 10187048	Posidoniimonas polymericola	61.1	59.7	137	1	
☐	WP_045030953.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.9	60.9	400	5	
☐	WP_107212662.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.9	60.9	400	1	
☐	WP_065208286.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.9	60.9	400	2	
☐	WP_029792726.1	NO-inducible flavohemoprotein	NF009805.0	Vibrio parahaemolyticus	60.7	58.2	399	1	
☐	WP_107265924.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.6	60.6	400	1	
☐	WP_107240450.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.6	60.6	400	1	
☐	WP_107274245.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.6	60.6	400	1	
☐	WP_232574476.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.6	60.6	400	2	
☐	WP_147867178.1	globin family protein	arch 10187048	Stieleria maiorica	60.4	59.2	144	1	
☐	WP_107295219.1	NO-inducible flavohemoprotein	NF009805.0	Photobacterium phosphoreum	60.3	60.3	400	1	
☐	WP_248331946.1	globin family protein	arch 10187048	Aquimarina acroporae	60.1	58.9	142	1	
☐	WP_022608375.1	globin family protein	arch 10187048	Rubidibacter lacunae	60.1	59.3	156	1	
☐	WP_202934155.1	NO-inducible flavohemoprotein	NF009805.0	Vibrio navarrensis	59.7	57.2	394	1	
☐	WP_063359844.1	globin family protein	arch 10187048	Pseudoalteromonas luteoviolacea	59.7	58.4	140	4	
☐	WP_186398115.1	globin family protein	arch 10187048	Stappia sp. P2PMeth1	59.7	57.7	140	1	
☐	WP_237136438.1	globin family protein	arch 10187048	Pseudoalteromonas luteoviolacea	59.7	58.4	140	1	
☐	WP_193249795.1	NO-inducible flavohemoprotein	NF009805.0	Vibrio navarrensis	59.4	56.3	394	2	

☐	WP_193153428.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	59.3	56.3	394	2	
☐	WP_095737728.1	globin family protein	arch 10187048	<i>Rhodopirellula sp. SM50</i>	59.3	58.1	144	1	
☐	WP_087846066.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium malacitanum</i>	59.3	59.3	400	1	
☐	WP_193246282.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	59.3	56.3	394	2	
☐	WP_107191280.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium phosphoreum</i>	59.2	59.2	400	3	
☐	WP_193243450.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	59.0	55.9	394	2	
☐	WP_045569680.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio</i>	59.0	56.5	394	4	
☐	WP_193253456.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	59.0	56.3	394	1	
☐	WP_193157667.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	59.0	56.5	394	1	
☐	WP_039608957.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	58.9	57.6	140	1	
☐	WP_063368797.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	58.8	57.5	140	1	
☐	WP_164928811.1	globin family protein	arch 10187048	<i>Gloeobacter violaceus</i>	58.8	57.9	135	1	
☐	WP_087854581.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium andalusiense</i>	58.8	58.8	400	1	
☐	WP_153601726.1	globin	arch 10099307	<i>Bacillus thuringiensis</i>	58.7	58.6	78	1	
☐	WP_039436855.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	58.7	55.8	394	1	
☐	WP_164647210.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio astriarenae</i>	58.7	57.4	399	1	
☐	WP_220264991.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter sp. Colony194</i>	58.6	56.8	396	1	
☐	WP_087821975.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium aquimaris</i>	58.6	58.6	400	1	
☐	WP_145390470.1	globin family protein	arch 10187048	<i>Stieleria neptunia</i>	58.6	57.4	144	1	
☐	WP_239584009.1	globin family protein	arch 10187048	<i>Herpetosiphon giganteus</i>	58.6	57.4	138	1	
☐	WP_259633473.1	globin family protein	arch 10187048	<i>Stieleria sedimenti</i>	58.6	57.4	144	1	

☐	WP_206626046.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.6	55.3	394	2	
☐	WP_165460160.1	NO-inducible flavohemoprotein	NF009805.0	<i>Citrobacter freundii</i>	58.5	57.0	396	2	
☐	WP_163923581.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium</i> <i>sp. Alg240-V54</i>	58.5	58.5	400	1	
☐	WP_171998013.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>sp. JZ38</i>	58.5	57.4	396	1	
☐	WP_065167972.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium</i> <i>aquimaris</i>	58.5	58.5	400	4	
☐	WP_161579758.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>muytjensii</i>	58.5	57.4	396	1	
☐	WP_038861246.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>muytjensii</i>	58.5	57.4	396	2	
☐	WP_158123898.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.4	53.7	394	1	
☐	WP_046884543.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter</i> <i>cloacae</i>	58.4	54.8	396	1	
☐	WP_238832438.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.4	53.7	394	1	
☐	WP_129468289.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i> <i>enterica</i>	58.4	56.7	396	1	
☐	WP_129396967.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i> <i>enterica</i>	58.4	56.7	396	1	
☐	WP_265339778.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>muytjensii</i>	58.4	57.3	402	1	
☐	WP_001727743.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i> <i>enterica</i>	58.4	56.7	396	1	
☐	WP_080541132.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.4	53.7	394	8	
☐	WP_230725196.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.4	53.7	394	5	
☐	WP_175569672.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>muytjensii</i>	58.4	57.4	396	1	
☐	WP_225318180.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i> <i>muytjensii</i>	58.4	57.3	404	1	
☐	WP_146568275.1	globin family protein	arch 10187048	<i>Posidoniimonas</i> <i>corsicana</i>	58.4	57.0	138	1	
☐	WP_000883088.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i>	58.3	56.7	396	48	
☐	WP_146638794.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i>	58.3	56.7	392	1	

enterica

☐	WP_164656732.1	globin family protein	arch 10187048	<i>Thiorhodococcus mannitoliphagus</i>	58.3	56.5	139	1	
☐	WP_079933833.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.3	56.7	396	1	
☐	WP_000883089.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i>	58.3	56.7	396	203	
☐	WP_020839779.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	58.3	56.0	394	3	
☐	WP_200101674.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.3	57.3	312	1	
☐	WP_164455477.1	globin family protein	arch 10187048	<i>Thiorhodococcus minor</i>	58.3	56.5	141	1	
☐	WP_098098058.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.3	56.7	396	1	
☐	WP_097359725.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.2	56.7	396	1	
☐	WP_109255730.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.2	56.6	396	1	
☐	WP_099080037.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. PID17_43</i>	58.2	54.4	394	1	
☐	WP_119464537.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. PID23_8</i>	58.2	54.4	394	1	
☐	WP_052932245.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.2	56.7	396	6	
☐	WP_262958685.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.2	56.7	396	1	
☐	WP_232597618.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium phosphoreum</i>	58.1	58.1	400	1	
☐	WP_023221626.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.1	56.7	396	1	
☐	WP_238827289.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.1	54.2	394	1	
☐	WP_000883090.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i>	58.1	56.7	396	98	
☐	WP_142516159.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter hormaechei</i>	58.1	56.9	396	1	
☐	WP_250351910.1	NO-inducible flavohemoprotein	NF009805.0	<i>Citrobacter sp. MNAZ 1397</i>	58.1	56.9	396	1	
☐	WP_085005422.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kluyvera intermedia</i>	58.1	56.9	396	1	

☐	WP_265093995.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	58.1	56.7	404	1	
☐	WP_079946717.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella enterica</i>	58.1	56.7	396	6	
☐	WP_000883091.1	NO-inducible flavohemoprotein	NF009805.0	<i>Salmonella</i>	58.1	56.7	396	399	
☐	WP_047369261.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacteriaceae</i>	58.1	56.9	396	2	
☐	WP_017789730.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	8	
☐	WP_095430790.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	5	
☐	WP_045589514.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_045608806.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_046355309.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	58.0	56.6	140	5	
☐	WP_194810634.1	globin	arch 11078666	<i>Bacillus thuringiensis</i>	58.0	57.9	81	1	
☐	WP_130309334.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_088428144.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_135445808.1	globin family protein	arch 10187048	<i>Haliea sp. SAOS-164</i>	58.0	56.9	137	1	
☐	WP_045614012.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	7	
☐	WP_265094167.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	58.0	56.7	404	1	
☐	WP_069004322.1	globin family protein	arch 10187048	<i>Candidatus Thiodiazotropha endoloripes</i>	58.0	56.9	137	4	
☐	WP_123237334.1	globin family protein	arch 10187048	<i>Pseudomethylobacillus aquaticus</i>	58.0	56.5	141	1	
☐	WP_032988767.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	58.0	56.3	396	15	
☐	WP_225501608.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_038964239.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	60	
☐	WP_038939555.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	58.0	53.7	394	1	
☐	WP_209634484.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	58.0	56.3	396	3	

☐	WP_264874173.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio agarivorans</i>	58.0	57.8	399	1	
☐	WP_196386745.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio cidicii</i>	57.9	55.9	394	1	
☐	WP_097353454.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	1	
☐	WP_039469910.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	7	
☐	WP_038968356.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	1	
☐	WP_130243258.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.6	394	1	
☐	WP_130195594.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	2	
☐	WP_104672291.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.9	56.4	396	5	
☐	WP_103186439.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	1	
☐	WP_203122951.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter hermannii</i>	57.9	56.0	396	2	
☐	WP_183171367.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter sp. RC6</i>	57.9	56.0	396	1	
☐	WP_225459167.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	2	
☐	WP_102983324.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	3	
☐	WP_086467856.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	1	
☐	WP_039450044.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.9	53.7	394	12	
☐	WP_265093541.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.9	56.3	404	1	
☐	WP_144130131.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter subterranea</i>	57.8	56.0	396	1	
☐	WP_007712665.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.8	56.3	396	1	
☐	WP_105574414.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.8	56.1	396	2	
☐	WP_260466672.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter subterranea</i>	57.8	56.0	397	3	
☐	WP_065789277.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	57.8	56.5	138	2	
☐	WP_151603843.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacteriaceae</i>	57.8	56.0	396	2	

☐	WP_227122572.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia oryzae</i>	57.8	56.6	394	1	
☐	WP_130194303.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.8	53.7	394	8	
☐	WP_265094108.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.8	56.3	404	1	
☐	WP_161661876.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter hermannii</i>	57.8	56.0	396	1	
☐	WP_080158661.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium piscicola</i>	57.8	57.8	400	1	
☐	WP_105745443.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.8	56.3	396	2	
☐	WP_107277054.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium</i> <i>sp. NCIMB 13483</i>	57.8	57.8	400	1	
☐	WP_265094094.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.8	56.3	404	2	
☐	WP_115080150.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.8	56.1	396	1	
☐	WP_105623068.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.8	56.1	396	1	
☐	WP_064564495.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia oryzae</i>	57.8	56.6	394	2	
☐	WP_265093439.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.8	56.3	404	1	
☐	WP_105588538.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.7	56.1	396	1	
☐	WP_072611261.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	3	
☐	WP_145296624.1	globin family protein	arch 10187048	<i>Crateriforma conspicua</i>	57.7	56.4	138	2	
☐	WP_235408571.1	globin family protein	arch 10187048	<i>Pseudoalteromonas</i> <i>sp. SMS1</i>	57.7	56.4	138	1	
☐	WP_105540558.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.7	56.1	396	2	
☐	WP_080538789.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	53.7	394	4	
☐	WP_130193250.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	2	
☐	WP_011151324.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	24	
☐	WP_007664196.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter condimenti</i>	57.7	56.3	396	3	

☐	WP_265182480.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.7	56.3	404	2	
☐	WP_076726094.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.7	56.1	396	5	
☐	WP_007897236.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.7	56.3	396	88	
☐	WP_108677809.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	7	
☐	WP_238833630.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	2	
☐	WP_013570994.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	15	
☐	WP_230839885.1	globin family protein	arch 10187048	<i>Gloeobacter morelensis</i>	57.7	56.5	135	1	
☐	WP_103185779.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	53.7	394	1	
☐	WP_140308426.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.7	55.3	394	1	
☐	WP_108694846.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	54.2	394	8	
☐	WP_045627648.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.7	53.7	394	2	
☐	WP_160269125.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sacchari</i>	57.7	56.3	396	1	
☐	WP_176298347.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. 05-20-BW147</i>	57.7	54.2	394	1	
☐	WP_146576467.1	globin family protein	arch 10187048	<i>Rhodopirellula pilleata</i>	57.7	56.4	141	1	
☐	WP_061894823.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio cidicii</i>	57.7	55.9	394	4	
☐	WP_168502918.1	pentapeptide repeat-containing protein	NF013003.2	<i>Anabaena sp. UHCC 0187</i>	57.7	56.2	477	1	
☐	WP_054535336.1	globin family protein	arch 10187048	<i>Herpetosiphon geysericola</i>	57.6	56.3	138	1	
☐	WP_097400258.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia pseudosacchari</i>	57.6	56.3	396	2	
☐	WP_258626200.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio diabolicus</i>	57.6	55.3	394	1	
☐	WP_097407573.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sacchari</i>	57.6	56.3	396	1	
☐	WP_105647479.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.6	56.3	396	1	

☐	WP_097649181.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.6	56.4	396	9	
☐	WP_216068845.1	globin family protein	arch 10187048	<i>Tamlana agarivorans</i>	57.6	55.6	137	1	
☐	WP_265339868.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.6	56.3	404	1	
☐	WP_200550133.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sp. LAM2021</i>	57.6	56.2	396	1	
☐	WP_140105015.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.6	55.3	394	2	
☐	WP_045510475.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia</i>	57.6	56.3	396	2	
☐	WP_265771551.1	globin family protein	NA	<i>Aquimarina sp. ERC-38</i>	57.6	56.9	143	1	
☐	WP_180208577.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.6	56.3	396	1	
☐	WP_265094030.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.6	56.3	397	1	
☐	WP_007751398.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.6	56.3	396	2	
☐	WP_176888065.1	globin family protein	arch 10187048	<i>Acidovorax sp. JMULE5</i>	57.6	56.6	137	1	
☐	WP_063382739.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	57.6	56.4	138	1	
☐	WP_193267430.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	57.6	55.9	394	1	
☐	WP_124760342.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.6	56.3	396	1	
☐	WP_086870737.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia pseudosacchari</i>	57.6	56.3	396	1	
☐	WP_004385913.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.6	56.3	396	95	
☐	WP_194533205.1	globin family protein	arch 10187048	<i>Zobellia nedashkovskayae</i>	57.6	56.0	137	2	
☐	WP_265093894.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.6	56.3	404	2	
☐	WP_131069600.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	3	
☐	WP_206624338.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	6	

☐	WP_080536777.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	1	
☐	WP_085761382.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	2	
☐	WP_140079252.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.5	54.8	394	1	
☐	WP_072569366.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter sp. SA187</i>	57.5	55.4	396	1	
☐	WP_039554895.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	2	
☐	WP_130246977.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	4	
☐	WP_166500834.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	396	1	
☐	WP_140345731.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.5	54.4	394	1	
☐	WP_265339788.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	404	1	
☐	WP_146414500.1	globin family protein	arch 10187048	<i>Crateriforma</i>	57.5	56.2	138	2	
☐	WP_060530632.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	3	
☐	WP_011079283.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	15	
☐	WP_265094086.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	404	1	
☐	WP_105639311.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	396	2	
☐	WP_224635460.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	2	
☐	WP_265094153.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	404	1	
☐	WP_249881108.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sp. R1.FI</i>	57.5	56.3	396	1	
☐	WP_090137496.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia oryziphila</i>	57.5	56.1	394	1	
☐	WP_161585915.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	396	1	
☐	WP_107229370.1	NO-inducible flavohemoprotein	NF009805.0	<i>Photobacterium phosphoreum</i>	57.5	57.5	404	1	
☐	WP_161572809.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	396	1	

☐	WP_054179395.1	NO-inducible flavohemoprotein	NF009805.0	<i>Trabulsiella odontotermitis</i>	57.5	56.3	392	5	
☐	WP_237724249.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.5	56.3	396	1	
☐	WP_182035040.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio diabolicus</i>	57.5	55.3	394	6	
☐	WP_015386440.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.5	56.3	396	13	
☐	WP_218069642.1	NO-inducible flavohemoprotein	NF009805.0	<i>Escherichia coli</i>	57.5	56.3	396	1	
☐	WP_225471007.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	2	
☐	WP_198106810.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	57.5	55.9	394	1	
☐	WP_237287764.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. IRLE0018</i>	57.5	53.7	394	1	
☐	WP_147769698.1	globin family protein	arch 10187048	<i>Seonamhaecola maritimus</i>	57.5	55.7	137	1	
☐	WP_265094049.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	404	1	
☐	WP_134877660.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	396	1	
☐	WP_265093939.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.5	56.3	404	5	
☐	WP_118893209.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.5	53.7	394	1	
☐	WP_100612727.1	globin family protein	arch 10187048	<i>Confluentibacter lentus</i>	57.4	55.6	139	1	
☐	WP_087858394.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.4	55.4	396	1	
☐	WP_206629495.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	2	
☐	WP_063373841.1	globin family protein	arch 10187048	<i>Pseudoalteromonas luteoviolacea</i>	57.4	56.2	138	1	
☐	WP_146377493.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter turicensis</i>	57.4	56.4	396	1	
☐	WP_226422193.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. E14</i>	57.4	55.3	394	1	
☐	WP_049292067.1	NO-inducible flavohemoprotein	NF009805.0	<i>Franconibacter helveticus</i>	57.4	55.9	396	2	
☐	WP_230223916.1	globin family protein	arch 10187048	<i>unclassified Blastopirellula</i>	57.4	56.7	135	2	

☐	WP_166490555.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter turicensis</i>	57.4	56.4	396	3	
☐	WP_024554907.1	NO-inducible flavohemoprotein	NF009805.0	<i>Franconibacter helveticus</i>	57.4	55.9	396	3	
☐	WP_213317558.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.4	55.4	396	1	
☐	WP_105944790.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.4	56.1	396	3	
☐	WP_265571899.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.4	55.3	394	1	
☐	WP_074778698.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sp. MUSA4</i>	57.4	56.1	394	1	
☐	WP_213292357.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella</i>	57.4	55.4	396	4	
☐	WP_265093933.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.4	56.3	404	4	
☐	WP_103276777.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	23	
☐	WP_045392756.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.4	55.4	396	9	
☐	WP_238819027.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	1	
☐	WP_238800382.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	1	
☐	WP_131406442.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia quasiacchari</i>	57.4	56.2	396	1	
☐	WP_007777328.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.4	56.3	396	17	
☐	WP_233801477.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter sp. MW07</i>	57.4	54.8	396	1	
☐	WP_140215422.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.4	54.9	394	1	
☐	WP_104676611.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.4	56.1	396	3	
☐	WP_225486186.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	2	
☐	WP_105627208.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.4	56.3	396	3	
☐	WP_075199699.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i>	57.4	56.4	396	4	
☐	WP_224146778.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella</i>	57.4	55.4	396	2	

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☐	WP_105630763.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter dublinensis</i>	57.4	56.3	396	2	
☐	WP_103201094.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio vulnificus</i>	57.4	53.7	394	1	
☐	WP_042772577.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.4	54.4	394	3	
☐	WP_105539298.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter turicensis</i>	57.4	56.4	396	4	
☐	WP_219360895.1	NO-inducible flavohemoprotein	NF009805.0	<i>Escherichia coli</i>	57.4	56.2	396	1	
☐	WP_175572337.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter turicensis</i>	57.4	56.4	396	1	
☐	WP_105606501.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.4	56.1	396	1	
☐	WP_193257650.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	57.4	56.1	394	2	
☐	WP_104674038.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.4	56.1	396	11	
☐	WP_039431203.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio navarrensis</i>	57.4	55.9	394	2	
☐	WP_112433613.1	globin family protein	arch 10187048	<i>Thermogemmatispora tikiterensis</i>	57.3	56.4	133	1	
☐	WP_047076866.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	1	
☐	WP_012124029.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter</i>	57.3	56.1	396	56	
☐	WP_193235631.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.3	54.6	394	1	
☐	WP_142984710.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter hermannii</i>	57.3	56.2	396	1	
☐	WP_047053195.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	1	
☐	WP_031420201.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.3	54.7	394	7	
☐	WP_015370304.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	267	
☐	WP_256124949.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	4	
☐	WP_035888203.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia</i>	57.3	56.1	394	6	

☐	WP_063402734.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	3	
☐	WP_140341072.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.3	54.8	394	1	
☐	WP_111965137.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter cloacae</i>	57.3	55.6	396	2	
☐	WP_072441085.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia radicinctans</i>	57.3	56.1	394	4	
☐	WP_268989334.1	NO-inducible flavohemoprotein	NA	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_256124769.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	10	
☐	WP_097566096.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.3	56.1	396	3	
☐	WP_002463709.1	NO-inducible flavohemoprotein	NF009805.0	<i>Atlantibacter hermannii</i>	57.3	56.2	396	2	
☐	WP_069543467.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.3	54.8	394	2	
☐	WP_213200377.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	1	
☐	WP_117025999.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	2	
☐	WP_265094006.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_116326668.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	2	
☐	WP_080321834.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.3	56.3	396	18	
☐	WP_032723749.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	1	
☐	WP_242567027.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.3	56.3	396	2	
☐	WP_249569606.1	NO-inducible flavohemoprotein	NF009805.0	<i>Escherichia coli</i>	57.3	56.1	396	1	
☐	WP_161518163.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia sp. MH5</i>	57.3	56.1	394	1	
☐	WP_088219436.1	NO-inducible flavohemoprotein	NF009805.0	<i>Enterobacter cloacae complex</i>	57.3	55.4	396	2	
☐	WP_049056669.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	1	

☐	WP_007700648.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter universalis</i>	57.3	56.4	396	4	
☐	WP_142425995.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	2	
☐	WP_103826353.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	4	
☐	WP_045362188.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	2	
☐	WP_100661892.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio parahaemolyticus</i>	57.3	55.0	394	1	
☐	WP_047063709.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	4	
☐	WP_106877129.1	NO-inducible flavohemoprotein	NF009805.0	<i>Siccibacter turicensis</i>	57.3	56.3	396	1	
☐	WP_045377586.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	12	
☐	WP_047043395.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	6	
☐	WP_007370791.1	NO-inducible flavohemoprotein	NF009805.0	<i>Kosakonia radicincitans</i>	57.3	56.1	394	3	
☐	WP_047065016.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	2	
☐	WP_058675598.1	NO-inducible flavohemoprotein	NF009805.0	<i>Klebsiella aerogenes</i>	57.3	55.4	396	10	
☐	WP_268987945.1	NO-inducible flavohemoprotein	NA	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_265093947.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_265093975.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_102387929.1	NO-inducible flavohemoprotein	NF009805.0	<i>Vibrio sp. 10N.222.52.B12</i>	57.3	52.7	394	1	
☐	WP_265094022.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter malonaticus</i>	57.3	56.3	404	1	
☐	WP_063264187.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.2	56.1	396	1	
☐	WP_105546127.1	NO-inducible flavohemoprotein	NF009805.0	<i>Cronobacter sakazakii</i>	57.2	56.1	396	3	

☐	WP_140383221.1	NO-inducible flavohemoprotein	NF009805.0	Vibrio parahaemolyticus	57.2	54.4	394	4	
☐	WP_085661177.1	NO-inducible flavohemoprotein	NF009805.0	Cronobacter sakazakii	57.2	56.1	396	2	
☐	WP_044172312.1	NO-inducible flavohemoprotein	NF009805.0	Phytobacter massiliensis	57.2	55.3	396	2	
☐	WP_048819312.1	NO-inducible flavohemoprotein	NF009805.0	Escherichia coli	57.2	56.3	282	1	
☐	WP_265093914.1	NO-inducible flavohemoprotein	NF009805.0	Cronobacter malonaticus	57.2	56.3	404	1	

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