

## Dataset S2

WP_048847868.1	hypothetical protein
WP_086613831.1	hypothetical protein
WP_006226706.1	hypothetical protein
WP_088590309.1	hypothetical protein
WP_081322336.1	cytochrome c-type biogenesis protein CcmH
WP_080969392.1	cytochrome c-type biogenesis protein CcmH
WP_080982266.1	cytochrome c-type biogenesis protein CcmH
WP_081247826.1	cytochrome c-type biogenesis protein CcmH
WP_029313089.1	DUF302 domain-containing protein
WP_073494280.1	terpene cyclase/mutase family protein
WP_069464636.1	LAETG motif-containing sortase-dependent surface protein
WP_037906505.1	terpene cyclase/mutase family protein
WP_026419747.1	Ig-like domain-containing protein
WP_016699903.1	S1 family peptidase
WP_075978649.1	choice-of-anchor P family protein
WP_026421352.1	choice-of-anchor P family protein
WP_067818420.1	hypothetical protein
WP_026410447.1	hypothetical protein
WP_073453776.1	GDSL-type esterase/lipase family protein
WP_058237475.1	HAD family hydrolase
WP_021607699.1	CshA/CshB family fibrillar adhesin-related protein
WP_021608244.1	CshA/CshB family fibrillar adhesin-related protein
WP_008733546.1	hypothetical protein
WP_043534360.1	hypothetical protein
WP_067940768.1	hypothetical protein
WP_070725291.1	HAD family hydrolase
WP_050793000.1	hypothetical protein
WP_009213069.1	VWA domain-containing protein
WP_009409131.1	hypothetical protein
WP_009233255.1	CshA/CshB family fibrillar adhesin-related protein
WP_017177339.1	hypothetical protein
WP_067783620.1	LPXTG cell wall anchor domain-containing protein
WP_018334839.1	hypothetical protein
WP_014445984.1	hypothetical protein
WP_067500999.1	DUF1775 domain-containing protein
WP_043530441.1	hypothetical protein
WP_034263843.1	hypothetical protein
WP_016442126.1	DUF11 domain-containing protein
WP_063387033.1	lamin tail domain-containing protein
WP_019144452.1	HAD family hydrolase
WP_087622105.1	lamin tail domain-containing protein
WP_019196192.1	GumC family protein



WP_044442522.1	Ig-like domain-containing protein
WP_078713100.1	Ig-like domain-containing protein
WP_055942116.1	hypothetical protein
WP_086459789.1	RICIN domain-containing protein
WP_082462074.1	DUF4349 domain-containing protein
WP_067945834.1	DUF4349 domain-containing protein
WP_082600622.1	DUF11 domain-containing protein
WP_022892658.1	hypothetical protein
WP_063508475.1	SURF1 family protein
WP_062817430.1	SURF1 family protein
WP_018698701.1	TIGR02186 family protein
WP_072476476.1	hypothetical protein
WP_086837935.1	hypothetical protein
WP_013229737.1	hypothetical protein
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WP_011985708.1	DUF4091 domain-containing protein
WP_012525440.1	DUF4091 domain-containing protein
WP_059439524.1	DUF4091 domain-containing protein
WP_035022923.1	hypothetical protein
WP_087075781.1	hypothetical protein
WP_062285750.1	family 20 glycosylhydrolase
WP_081709824.1	endo-alpha-N-acetylgalactosaminidase family protein
WP_055769734.1	hypothetical protein
WP_083706190.1	copper resistance protein CopC
WP_083266569.1	ice-binding family protein
WP_066212419.1	hypothetical protein
WP_066304274.1	C1 family peptidase
WP_048884997.1	MotA/TolQ/ExbB proton channel family protein
WP_047093296.1	serine hydrolase domain-containing protein
WP_055888441.1	TIGR02186 family protein
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WP_057772245.1	cytochrome c-type biogenesis protein CcmH
WP_015592261.1	hypothetical protein
WP_000248334.1	hypothetical protein
WP_085346658.1	endo-1,4-beta-xylanase
WP_055427006.1	transporter substrate-binding domain-containing protein
WP_052826618.1	hypothetical protein
WP_080788544.1	endo-1,4-beta-xylanase
WP_033501893.1	endo-1,4-beta-xylanase
WP_006294973.1	Cna B-type domain-containing protein



WP_081277489.1	type II secretion system F family protein
WP_033496003.1	metallophosphoesterase
WP_082617556.1	DUF1134 domain-containing protein
WP_054144656.1	DUF1134 domain-containing protein
WP_069879344.1	DsrE family protein
WP_082540354.1	DsbA family protein
WP_038359302.1	DUF1134 domain-containing protein
WP_055729429.1	DUF1134 domain-containing protein
WP_071164834.1	SpaA isopeptide-forming pilin-related protein
WP_070500937.1	DUF2330 domain-containing protein
WP_076808965.1	hypothetical protein
WP_027521434.1	SURF1 family cytochrome oxidase biogenesis protein
WP_061024826.1	hypothetical protein
WP_063250685.1	choice-of-anchor G family protein
WP_084542572.1	VWA domain-containing protein
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WP_060353807.1	DUF3999 domain-containing protein
WP_059823442.1	DUF3999 domain-containing protein
WP_059835798.1	DUF3999 domain-containing protein
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WP_069748857.1	hypothetical protein



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WP_026488219.1	hypothetical protein
WP_021688355.1	SURF1 family protein
WP_014433859.1	hypothetical protein
WP_021091342.1	hydrogenase small subunit
WP_048669916.1	DUF2062 domain-containing protein
WP_043684137.1	GumC family protein
WP_020521338.1	c-type cytochrome
WP_034625822.1	LPXTG cell wall anchor domain-containing protein
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WP_053370785.1	cohesin domain-containing protein
WP_047233459.1	hypothetical protein
WP_064315323.1	cohesin domain-containing protein
WP_011910314.1	hydrogenase small subunit
WP_014099504.1	LEA type 2 family protein
WP_052374220.1	hypothetical protein
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WP_086515263.1	YcnI family protein
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WP_015489341.1	YcnI family protein
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WP_012300049.1	YcnI family protein
WP_063072393.1	YcnI family protein



WP_043588079.1	YcnI family protein
WP_087364264.1	Wzz/FepE/Etk N-terminal domain-containing protein
WP_005209628.1	LPXTG cell wall anchor domain-containing protein
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WP_085019858.1	pentapeptide repeat-containing protein
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WP_051866792.1	copper resistance protein CopC
WP_066523952.1	hypothetical protein
WP_083292036.1	DUF4185 domain-containing protein
WP_070568623.1	DUF4185 domain-containing protein
WP_003856086.1	exo-alpha-sialidase
WP_018023019.1	copper resistance protein CopC
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WP_081803761.1	S8 family serine peptidase
WP_051106395.1	hypothetical protein
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WP_080971943.1	Rib/alpha-like domain-containing protein
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WP_051879522.1	Rib/alpha-like domain-containing protein
WP_043014821.1	Rib/alpha-like domain-containing protein
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WP_051894215.1	Rib/alpha-like domain-containing protein
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WP_047261182.1	HtaA domain-containing protein
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WP_018121428.1	D-alanyl-D-alanine carboxypeptidase family protein
WP_023019056.1	D-alanyl-D-alanine carboxypeptidase family protein
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WP_070816867.1	DUF4185 domain-containing protein
WP_070819865.1	DUF4185 domain-containing protein
WP_070769551.1	lamin tail domain-containing protein
WP_070614106.1	DUF4185 domain-containing protein



WP_070508929.1	HtaA domain-containing protein
WP_070537220.1	hypothetical protein
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WP_070763091.1	DUF4185 domain-containing protein
WP_070791085.1	DUF4185 domain-containing protein
WP_083316703.1	DUF4185 domain-containing protein
WP_070452682.1	DUF4185 domain-containing protein
WP_070433763.1	TIGR03773 family transporter-associated surface protein
WP_070975208.1	Rib/alpha-like domain-containing protein
WP_071573543.1	Rib/alpha-like domain-containing protein
WP_083584111.1	Rib/alpha-like domain-containing protein
WP_071567683.1	Rib/alpha-like domain-containing protein
WP_070362059.1	Rib/alpha-like domain-containing protein
WP_049151632.1	HtaA domain-containing protein
WP_046646201.1	HtaA domain-containing protein
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WP_049064233.1	HtaA domain-containing protein
WP_049160753.1	HtaA domain-containing protein
WP_005531760.1	HtaA domain-containing protein
WP_019193688.1	HtaA domain-containing protein
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WP_052844124.1	choice-of-anchor M domain-containing protein
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WP_063239409.1	tripartite tricarboxylate transporter substrate binding protein
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WP_058725996.1	choice-of-anchor G family protein
WP_058729336.1	hypothetical protein



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WP_070418157.1	bifunctional UDP-sugar hydrolase/5'-nucleotidase
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WP_055952736.1	YcnI family protein
WP_071299477.1	ExeM/NucH family extracellular endonuclease
WP_065961321.1	bifunctional UDP-sugar hydrolase/5'-nucleotidase
WP_071244483.1	hypothetical protein
WP_071249110.1	DUF11 domain-containing protein
WP_071302787.1	bifunctional UDP-sugar hydrolase/5'-nucleotidase
WP_071296020.1	bifunctional UDP-sugar hydrolase/5'-nucleotidase
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WP_070435498.1	5'-nucleotidase C-terminal domain-containing protein
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WP_085318242.1	hypothetical protein
WP_051534117.1	4Fe-4S dicluster domain-containing protein
WP_028318203.1	4Fe-4S dicluster domain-containing protein
WP_005988823.1	hypothetical protein
WP_028580723.1	4Fe-4S dicluster domain-containing protein
WP_035247752.1	4Fe-4S dicluster domain-containing protein cellulose biosynthesis cyclic di-GMP-binding regulatory protein
WP_084604463.1	BcsB
WP_066728980.1	hydrogenase 2 operon protein HybA
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WP_025544707.1	Gldg family protein
WP_035353858.1	twin-arginine translocation signal domain-containing protein
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WP_019238747.1	hypothetical protein
WP_010782219.1	DUF916 domain-containing protein
WP_077151302.1	putative mucin/carbohydrate-binding domain-containing protein
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WP_087347104.1	hypothetical protein



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WP_052505214.1	Ig-like domain-containing protein
WP_066278535.1	SGNH/GDSL hydrolase family protein
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WP_040101249.1	hydrogenase 2 operon protein HybA
WP_040201369.1	hydrogenase 2 operon protein HybA
WP_072919771.1	hypothetical protein
WP_055764009.1	SpaA isopeptide-forming pilin-related protein
WP_042416226.1	ABC transporter permease subunit
WP_020676593.1	4Fe-4S dicluster domain-containing protein
WP_062015704.1	sugar dehydrogenase complex small subunit
WP_082785218.1	sugar dehydrogenase complex small subunit
WP_052327572.1	superinfection immunity protein
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WP_004088007.1	4Fe-4S dicluster domain-containing protein
WP_050465065.1	Wzz/FepE/Etk N-terminal domain-containing protein
WP_053198831.1	Wzz/FepE/Etk N-terminal domain-containing protein
WP_016834044.1	Wzz/FepE/Etk N-terminal domain-containing protein
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WP_062432348.1	hypothetical protein



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WP_033826143.1	hypothetical protein
WP_057229896.1	DUF4349 domain-containing protein
WP_063444545.1	YaaW family protein
WP_079574122.1	DUF3566 domain-containing protein
WP_020392913.1	right-handed parallel beta-helix repeat-containing protein
WP_007911811.1	YncE family protein
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WP_076779723.1	Ig-like domain-containing protein
WP_055173989.1	pectinesterase family protein
WP_055306235.1	pectinesterase family protein
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WP_049151215.1	hypothetical protein
WP_009310390.1	alpha/beta hydrolase
WP_006736993.1	DUF2974 domain-containing protein
WP_057718161.1	hypothetical protein
WP_026199800.1	hypothetical protein
WP_003150348.1	CHAP domain-containing protein



WP_058527013.1	hypothetical protein
WP_052357896.1	S8 family serine peptidase
WP_055907020.1	hypothetical protein
WP_030465437.1	SdrD B-like domain-containing protein
WP_045310765.1	SdrD B-like domain-containing protein
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WP_058594659.1	copper resistance protein CopC
WP_010156067.1	hypothetical protein
WP_017794056.1	hypothetical protein
WP_087014056.1	SpaH/EbpB family LPXTG-anchored major pilin
WP_052961504.1	M1 family aminopeptidase
WP_025134557.1	hypothetical protein
WP_057878938.1	leucine-rich repeat protein
WP_057873001.1	LPXTG cell wall anchor domain-containing protein
WP_018353464.1	ALF repeat-containing protein
WP_058835255.1	SURF1 family protein
WP_052595558.1	type II secretion system F family protein
WP_031371299.1	SURF1 family protein
WP_057920519.1	SURF1 family protein
WP_046659779.1	SURF1 family protein
WP_036112499.1	SURF1 family protein
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WP_056306103.1	SURF1 family protein
WP_057164304.1	SURF1 family protein
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WP_078758809.1	SURF1 family protein
WP_072908093.1	4Fe-4S dicluster domain-containing protein
WP_014871804.1	Wzz/FepE/Etk N-terminal domain-containing protein
WP_067213518.1	IS4 family transposase
WP_030484094.1	DUF4349 domain-containing protein
WP_036240134.1	hypothetical protein
WP_069988814.1	glycosyl hydrolase
WP_020157341.1	hypothetical protein
WP_060849731.1	Rieske 2Fe-2S domain-containing protein



WP_066924169.1	DUF4349 domain-containing protein
WP_048435058.1	hypothetical protein
WP_026610324.1	hypothetical protein
WP_052700213.1	FAD/NAD(P)-binding oxidoreductase
WP_026598801.1	hypothetical protein
WP_022948069.1	SURF1 family protein
WP_083960596.1	TIGR03758 family integrating conjugative element protein
WP_020186848.1	NAD(P)/FAD-dependent oxidoreductase
WP_003597644.1	DUF1134 domain-containing protein
WP_015822348.1	DUF1134 domain-containing protein
WP_012453627.1	DUF1134 domain-containing protein
WP_017485181.1	DUF1134 domain-containing protein
WP_060769419.1	DUF1134 domain-containing protein
WP_064031969.1	hypothetical protein
WP_017203113.1	YcnI family protein
WP_064956389.1	hypothetical protein
WP_082334822.1	copper resistance protein CopC
WP_076688294.1	copper resistance protein CopC
WP_045272686.1	hypothetical protein
WP_045249571.1	hypothetical protein
WP_058232366.1	copper resistance protein CopC
WP_079112183.1	S8 family serine peptidase
WP_052460806.1	hypothetical protein
WP_029153468.1	HtaA domain-containing protein
WP_061782355.1	hypothetical protein
WP_045258722.1	DUF4349 domain-containing protein
WP_084613500.1	DUF5979 domain-containing protein
WP_082784215.1	copper resistance protein CopC
WP_052226469.1	DUF1775 domain-containing protein
WP_021198471.1	choice-of-anchor G family protein
WP_052674706.1	S8 family serine peptidase
WP_045277607.1	M1 family metallopeptidase
WP_071919170.1	phosphatase PAP2 family protein
WP_025103163.1	YcnI family protein
WP_060922111.1	YcnI family protein
WP_025104647.1	S8 family serine peptidase
WP_084344888.1	copper resistance protein CopC
WP_083569401.1	carboxypeptidase-like regulatory domain-containing protein
WP_020096836.1	DUF1775 domain-containing protein
WP_082586491.1	S8 family serine peptidase
WP_018188612.1	DUF1775 domain-containing protein
WP_088379655.1	HtaA domain-containing protein
WP_029261182.1	hypothetical protein
WP_036316991.1	hypothetical protein



WP_082297971.1	S8 family serine peptidase
WP_077052164.1	hypothetical protein
WP_029264221.1	carboxypeptidase regulatory-like domain-containing protein
WP_029266231.1	copper resistance protein CopC
WP_050721264.1	YcnI family protein
WP_067114872.1	DUF4349 domain-containing protein
WP_087056659.1	YcnI family protein
WP_071327739.1	S8 family serine peptidase
WP_085604923.1	S8 family serine peptidase
WP_055954023.1	DUF4349 domain-containing protein
WP_082488321.1	carboxypeptidase-like regulatory domain-containing protein
WP_056375517.1	S8 family serine peptidase
	alpha-L-arabinofuranosidase C-terminal domain-containing protein
WP_082450279.1	protein
WP_082516518.1	copper resistance protein CopC
WP_052493031.1	S8 family serine peptidase
WP_054678997.1	copper resistance protein CopC
WP_076674855.1	copper resistance protein CopC
WP_076494745.1	hypothetical protein
WP_055866250.1	carboxypeptidase-like regulatory domain-containing protein
WP_055962946.1	fibronectin type III domain-containing protein
WP_082524328.1	M1 family aminopeptidase
WP_046014689.1	DUF6049 family protein
WP_067162731.1	DUF4349 domain-containing protein
WP_023953107.1	HtaA domain-containing protein
WP_020380574.1	carboxypeptidase-like regulatory domain-containing protein
WP_067196734.1	choice-of-anchor G family protein
WP_047519257.1	DUF5979 domain-containing protein
WP_016463500.1	copper resistance protein CopC
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WP_064445663.1	neocarzinostatin apoprotein domain-containing protein
WP_069088473.1	neocarzinostatin apoprotein domain-containing protein
WP_030499203.1	neocarzinostatin apoprotein domain-containing protein
WP_084597727.1	DUF4349 domain-containing protein
WP_074316730.1	DUF4349 domain-containing protein
WP_013476452.1	neocarzinostatin apoprotein domain-containing protein
WP_052503667.1	hypothetical protein
WP_007457857.1	DUF6346 domain-containing protein
WP_030329257.1	hypothetical protein



WP_067359874.1	copper resistance protein CopC
WP_073839607.1	hypothetical protein
WP_077936608.1	hypothetical protein
WP_043323399.1	neocarzinostatin apoprotein domain-containing protein
WP_047890386.1	neocarzinostatin apoprotein domain-containing protein
WP_073828243.1	hypothetical protein
WP_071094599.1	neocarzinostatin apoprotein domain-containing protein
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WP_075217005.1	SURF1 family protein
WP_087136771.1	cohesin domain-containing protein
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WP_078282577.1	hypothetical protein



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WP_064961509.1	DUF4349 domain-containing protein
WP_064899274.1	DUF4349 domain-containing protein
WP_085140301.1	DUF4349 domain-containing protein
WP_076216568.1	DUF4349 domain-containing protein
WP_047037357.1	DUF4349 domain-containing protein
WP_036393700.1	DUF4349 domain-containing protein
WP_083145723.1	twin-arginine translocation signal domain-containing protein
WP_029136656.1	DUF6049 family protein
WP_072515150.1	AarF/UbiB family protein
WP_071894446.1	hypothetical protein
WP_058888770.1	CHRD domain-containing protein
WP_036474851.1	CHRD domain-containing protein
WP_084183403.1	protease pro-enzyme activation domain-containing protein
WP_071675328.1	hypothetical protein
WP_036481955.1	SURF1 family protein
WP_053378551.1	carboxypeptidase-like regulatory domain-containing protein
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WP_054811683.1	hypothetical protein
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WP_028659604.1	hypothetical protein
WP_082748224.1	S8 family serine peptidase
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WP_056862610.1	hypothetical protein
WP_056904455.1	hypothetical protein
WP_056749018.1	hypothetical protein



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WP_061081165.1	hypothetical protein
WP_017557735.1	hypothetical protein
WP_017622416.1	ABC transporter substrate-binding protein
WP_013155373.1	hypothetical protein
WP_071622919.1	hypothetical protein
WP_073378631.1	prenyltransferase/squalene oxidase repeat-containing protein
WP_017541123.1	ABC transporter substrate-binding protein
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WP_017546715.1	hypothetical protein
WP_020722865.1	hypothetical protein
WP_049577979.1	hypothetical protein
WP_017297372.1	DUF4349 domain-containing protein
WP_068086363.1	nuclear transport factor 2 family protein
WP_061552847.1	sugar dehydrogenase complex small subunit
WP_068623584.1	HtaA domain-containing protein
WP_068708877.1	choice-of-anchor A family protein
WP_056644573.1	choice-of-anchor A family protein
WP_087351888.1	glycoside hydrolase family 3 protein
WP_087227073.1	hypothetical protein
	glycoside hydrolase family 3 C-terminal domain-containing
WP_077598534.1	protein
WP_022921254.1	DUF4349 domain-containing protein
WP_017719097.1	hypothetical protein
WP_028604672.1	glycosyltransferase
WP_009671820.1	DUF4349 domain-containing protein
WP_050472495.1	DUF1134 domain-containing protein
WP_026239184.1	hypothetical protein
WP_022929851.1	hypothetical protein
WP_026912667.1	DUF1775 domain-containing protein
WP_058720172.1	hypothetical protein
WP_029915213.1	hydrogenase 2 operon protein HybA
WP_057298407.1	hypothetical protein
WP_068455654.1	G5 domain-containing protein
WP_051940138.1	YcnI family protein
WP_019208887.1	Wzz/FepE/Etk N-terminal domain-containing protein
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WP_079705109.1	copper resistance protein CopC
WP_079001510.1	copper resistance protein CopC
WP_085511799.1	copper resistance protein CopC
WP_064294246.1	copper resistance protein CopC
WP_056779050.1	copper resistance protein CopC
WP_056008599.1	copper resistance protein CopC
WP_071259775.1	copper resistance protein CopC



WP_086474591.1	copper resistance protein CopC
WP_064075989.1	hypothetical protein
WP_018362232.1	hypothetical protein
WP_084634577.1	choice-of-anchor M domain-containing protein
WP_019502533.1	DNA/RNA non-specific endonuclease
WP_058266926.1	S1 family peptidase
WP_068478771.1	Ig-like domain-containing protein
WP_071041290.1	metallophosphoesterase family protein
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WP_053152798.1	hypothetical protein
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WP_029978019.1	hypothetical protein
WP_060844157.1	hypothetical protein
WP_037069415.1	type II secretion system F family protein
WP_013674910.1	DUF3153 domain-containing protein
WP_028938488.1	YcnI family protein
WP_057657592.1	SURF1 family protein
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WP_023470008.1	hypothetical protein
WP_064051878.1	ABC transporter permease
WP_087451541.1	hypothetical protein
WP_085477620.1	DUF6049 family protein
WP_056039821.1	DUF6049 family protein
WP_056867345.1	DUF4349 domain-containing protein
WP_055794040.1	hypothetical protein
WP_077223961.1	DUF4397 domain-containing protein
WP_068255954.1	bifunctional UDP-sugar hydrolase/5'-nucleotidase
WP_007608427.1	hypothetical protein
WP_043292041.1	hypothetical protein
WP_015448274.1	hypothetical protein
WP_027490105.1	hypothetical protein
WP_077554286.1	DUF2167 domain-containing protein
WP_027484742.1	hypothetical protein
WP_056388158.1	DUF3999 family protein
WP_003945065.1	hypothetical protein
WP_045841254.1	DUF3153 domain-containing protein
WP_033234426.1	hypothetical protein
WP_072687607.1	hypothetical protein
WP_006553374.1	YcnI family protein
WP_070378241.1	hypothetical protein
WP_054163953.1	DUF1134 domain-containing protein
WP_011504069.1	DUF1134 domain-containing protein
WP_009814865.1	hypothetical protein



WP_049350406.1	LPXTG cell wall anchor domain-containing protein
WP_049347585.1	hypothetical protein
WP_083090608.1	twin-arginine translocation signal domain-containing protein
WP_070690408.1	hypothetical protein
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WP_013628474.1	hypothetical protein
WP_047866510.1	hypothetical protein
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WP_013061775.1	Gldg family protein
WP_017548268.1	hypothetical protein
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WP_023226644.1	hypothetical protein
WP_023206755.1	anti-virulence regulatory inner membrane protein CigR
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WP_056132372.1	cohesin domain-containing protein
WP_051259476.1	TIGR03773 family transporter-associated surface protein
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WP_063989634.1	anti-virulence regulator CigR family protein
WP_087763533.1	anti-virulence regulator CigR family protein
WP_004941297.1	anti-virulence regulator CigR family protein
WP_060427691.1	anti-virulence regulator CigR family protein
WP_060419303.1	anti-virulence regulator CigR family protein
WP_060432922.1	anti-virulence regulator CigR family protein
WP_060424250.1	anti-virulence regulator CigR family protein
WP_055316240.1	anti-virulence regulator CigR family protein
WP_086579703.1	anti-virulence regulator CigR family protein
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WP_074307161.1	hypothetical protein



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WP_037451034.1	TIGR02186 family protein
WP_013846095.1	TIGR02186 family protein
WP_046763191.1	TIGR02186 family protein
WP_066606327.1	DUF2585 domain-containing protein
WP_025550228.1	TIGR02186 family protein
WP_007684696.1	TIGR02186 family protein
WP_013039593.1	TIGR02186 family protein
WP_061939000.1	TIGR02186 family protein
WP_030541714.1	DUF2585 domain-containing protein
WP_056427251.1	flagellar basal-body MS-ring/collar protein FliF
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WP_077132096.1	hypothetical protein
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WP_005412559.1	gluconate 2-dehydrogenase subunit 3 family protein
WP_005415638.1	gluconate 2-dehydrogenase subunit 3 family protein
WP_061480680.1	DUF4349 domain-containing protein
WP_065186376.1	DUF4349 domain-containing protein
WP_005415830.1	DUF4349 domain-containing protein
WP_088496929.1	DUF4349 domain-containing protein
WP_065177445.1	DUF4349 domain-containing protein
WP_053497069.1	DUF4349 domain-containing protein
WP_034087229.1	S8 family serine peptidase
WP_042405542.1	chaplin
WP_030256123.1	chaplin
WP_037602190.1	LPXTG cell wall anchor domain-containing protein
WP_048791748.1	hypothetical protein
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WP_061910244.1	hypothetical protein
WP_015604698.1	hypothetical protein
WP_037580257.1	LPXTG cell wall anchor domain-containing protein
WP_040269875.1	copper resistance protein CopC
WP_070013327.1	SCO1860 family LAETG-anchored protein
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WP_010355677.1	hypothetical protein
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WP_010356313.1	alginate lyase family protein
WP_086565734.1	DUF4349 domain-containing protein
WP_015507753.1	hypothetical protein
WP_030307403.1	DUF4349 domain-containing protein



WP_061404434.1	hypothetical protein
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WP_049977564.1	HtaA domain-containing protein
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WP_087928343.1	HtaA domain-containing protein
WP_030803089.1	hypothetical protein
WP_040251858.1	DUF3068 domain-containing protein
WP_016468754.1	prenyltransferase/squalene oxidase repeat-containing protein
WP_055498263.1	prenyltransferase/squalene oxidase repeat-containing protein
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WP_037611286.1	prenyltransferase/squalene oxidase repeat-containing protein
WP_030631798.1	DUF4349 domain-containing protein
WP_030603830.1	hypothetical protein
WP_037680772.1	DUF1996 domain-containing protein
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WP_086719786.1	hypothetical protein
WP_059191885.1	hypothetical protein
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WP_055508106.1	terpene cyclase/mutase family protein
WP_040899100.1	hypothetical protein
WP_030565856.1	hypothetical protein
WP_037623895.1	HtaA domain-containing protein
WP_078234756.1	DUF1996 domain-containing protein
WP_052851228.1	DUF4349 domain-containing protein
WP_014152884.1	hypothetical protein
WP_030079189.1	LAETG motif-containing sortase-dependent surface protein
WP_014180138.1	SCO2322 family protein
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WP_086763368.1	hypothetical protein
WP_030189408.1	hypothetical protein
WP_059205742.1	SCO2322 family protein
WP_062042357.1	SCO2322 family protein
WP_030180617.1	hypothetical protein
WP_029181655.1	hypothetical protein



WP_053925821.1	S8 family serine peptidase
WP_059263647.1	hypothetical protein
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WP_044384405.1	LAETG motif-containing sortase-dependent surface protein
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WP_051814695.1	copper resistance protein CopC
WP_067285055.1	hypothetical protein
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WP_030238604.1	HtaA domain-containing protein
WP_030225214.1	DUF6049 family protein
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WP_029385521.1	LAETG motif-containing sortase-dependent surface protein
WP_048572334.1	LAETG motif-containing sortase-dependent surface protein
WP_016325237.1	S1 family peptidase
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WP_051732961.1	VWA domain-containing protein
WP_077192932.1	VWA domain-containing protein
WP_033266588.1	hypothetical protein



WP_046584143.1	DUF4331 domain-containing protein
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WP_070014799.1	SCO1860 family LAETG-anchored protein
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WP_052863743.1	hypothetical protein
WP_078076280.1	YcnI family protein
WP_064073155.1	SCO1860 family LAETG-anchored protein
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WP_079155135.1	DUF1996 domain-containing protein
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WP_055606274.1	SCO1860 family LAETG-anchored protein
WP_055688174.1	SCO1860 family LAETG-anchored protein
WP_031060443.1	SCO2322 family protein
WP_074998544.1	prenyltransferase/squalene oxidase repeat-containing protein
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WP_030651718.1	hypothetical protein
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WP_078875879.1	hypothetical protein
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WP_019357822.1	prenyltransferase/squalene oxidase repeat-containing protein
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WP_018552017.1	TIGR03773 family transporter-associated surface protein
WP_019983617.1	alkaline phosphatase family protein
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WP_043265717.1	hypothetical protein
WP_058925582.1	SCO2322 family protein
WP_061403993.1	DUF4349 domain-containing protein
WP_067159911.1	hypothetical protein
WP_067392033.1	HtaA domain-containing protein
WP_075987369.1	HtaA domain-containing protein
WP_067052849.1	DUF4331 domain-containing protein
WP_018089851.1	hypothetical protein
WP_075986595.1	hypothetical protein
WP_065002969.1	SCO1860 family LAETG-anchored protein
WP_053629362.1	hypothetical protein
WP_053677522.1	hypothetical protein
WP_060178439.1	LPXTG cell wall anchor domain-containing protein
WP_076089841.1	hypothetical protein
WP_053611851.1	hypothetical protein
WP_032773289.1	hypothetical protein
WP_047138782.1	hypothetical protein
WP_069759320.1	SCO2322 family protein
WP_018546292.1	HtaA domain-containing protein
WP_018468438.1	hypothetical protein
WP_076972671.1	DUF1996 domain-containing protein
WP_030991215.1	DUF4349 domain-containing protein
WP_073773078.1	hypothetical protein
WP_063348001.1	hypothetical protein
WP_030834094.1	hypothetical protein
WP_084771524.1	hypothetical protein
WP_079176493.1	DUF1996 domain-containing protein
WP_047960688.1	hypothetical protein
WP_062204714.1	choice-of-anchor M domain-containing protein
WP_078890523.1	porin PorA family protein
WP_066926162.1	hypothetical protein



WP_071338956.1	HtaA domain-containing protein
WP_030679056.1	HtaA domain-containing protein
WP_030879423.1	hypothetical protein
WP_053849849.1	SCO2322 family protein
WP_030722950.1	SCO2322 family protein
WP_030768766.1	hypothetical protein
WP_030857734.1	DUF6049 family protein
WP_046722871.1	DUF2330 domain-containing protein
WP_030853527.1	hypothetical protein
WP_066980116.1	hypothetical protein
WP_078855939.1	DUF1996 domain-containing protein
WP_059130410.1	LAETG motif-containing sortase-dependent surface protein
WP_031517753.1	terpene cyclase/mutase family protein
WP_043232110.1	hypothetical protein
WP_031028222.1	prenyltransferase/squalene oxidase repeat-containing protein
WP_031052890.1	hypothetical protein
WP_053696604.1	hypothetical protein
WP_030406608.1	prenyltransferase/squalene oxidase repeat-containing protein
WP_053642605.1	LAETG motif-containing sortase-dependent surface protein
WP_030771374.1	hypothetical protein
WP_078865984.1	VWA domain-containing protein
WP_037839904.1	hypothetical protein
WP_078852820.1	SCO1860 family LAETG-anchored protein
WP_031095397.1	DUF4349 domain-containing protein
WP_030721008.1	hypothetical protein
WP_030386983.1	hypothetical protein
WP_030153186.1	DUF6049 family protein
WP_030231344.1	LPXTG cell wall anchor domain-containing protein
WP_030964283.1	hypothetical protein
WP_030771538.1	hypothetical protein
WP_030939315.1	hypothetical protein
WP_051795396.1	hypothetical protein
WP_030791129.1	SCO1860 family LAETG-anchored protein
WP_031023561.1	DUF4349 domain-containing protein
WP_037927858.1	hypothetical protein
WP_088577171.1	hypothetical protein
WP_018570515.1	HtaA domain-containing protein
WP_073775700.1	hypothetical protein
WP_057601763.1	hypothetical protein
WP_057611173.1	DUF4349 domain-containing protein
WP_084993274.1	hypothetical protein
WP_064534583.1	hypothetical protein
WP_023608351.1	hypothetical protein
WP_006345762.1	DUF1775 domain-containing protein



WP_018509850.1	LPXTG cell wall anchor domain-containing protein
WP_081522449.1	hypothetical protein
WP_028416940.1	hypothetical protein
WP_055490993.1	DUF1996 domain-containing protein
WP_078962511.1	DUF1996 domain-containing protein
WP_073938500.1	hypothetical protein
WP_073718266.1	hypothetical protein
WP_037893396.1	HtaA domain-containing protein
WP_075265106.1	hypothetical protein
WP_053676489.1	hypothetical protein
WP_053169188.1	hypothetical protein
WP_053689381.1	hypothetical protein
WP_046259605.1	LPXTG cell wall anchor domain-containing protein
WP_053784674.1	hypothetical protein
WP_078095079.1	hypothetical protein
WP_065963662.1	hypothetical protein
WP_059006136.1	hypothetical protein
WP_069921941.1	hypothetical protein
WP_055717924.1	hypothetical protein
WP_006349525.1	terpene cyclase/mutase family protein
WP_043247767.1	hypothetical protein
WP_078606519.1	DUF1996 domain-containing protein
WP_078600540.1	YcnI family protein
WP_033218789.1	hypothetical protein
WP_049978038.1	hypothetical protein
WP_031150581.1	hypothetical protein
WP_020372371.1	hypothetical protein
WP_046776149.1	hypothetical protein
WP_033325580.1	HtaA domain-containing protein
WP_003298078.1	hypothetical protein
WP_007047833.1	hypothetical protein
WP_087488285.1	sugar dehydrogenase complex small subunit
WP_038020607.1	sugar dehydrogenase complex small subunit
WP_020143569.1	tryptophan-rich sensory protein
WP_077686904.1	SpaA isopeptide-forming pilin-related protein
WP_083665280.1	hypothetical protein
WP_053334878.1	4Fe-4S dicluster domain-containing protein
WP_011293161.1	hypothetical protein
WP_075279362.1	glycoside hydrolase family 3 protein
WP_015258557.1	ethylbenzene dehydrogenase-related protein
WP_007194980.1	hypothetical protein
WP_041066896.1	hypothetical protein
WP_059052747.1	glycoside hydrolase family 3 C-terminal domain-containing protein



WP_080999149.1	leucine-rich repeat domain-containing protein
WP_080712419.1	leucine-rich repeat domain-containing protein
WP_080689132.1	leucine-rich repeat domain-containing protein
WP_080754043.1	leucine-rich repeat domain-containing protein
WP_068566570.1	DUF4349 domain-containing protein
WP_068532605.1	DUF4349 domain-containing protein
	cellulose biosynthesis cyclic di-GMP-binding regulatory protein
WP_081857365.1	BcsB
WP_052706166.1	hypothetical protein
WP_055789914.1	DUF3153 domain-containing protein
WP_038217501.1	SURF1 family protein
WP_051684734.1	type II secretion system F family protein
WP_030124501.1	hypothetical protein
WP_009319933.1	choice-of-anchor I family protein
WP_009243371.1	choice-of-anchor I family protein
WP_019617431.1	cytochrome c