

Supplementary Table 1. Characteristics of the *B. marinus* Regions of difference (BMRD) by locus tag identifier and assigned product

BMRD1.

BMS0031	4.1.1	putative integral membrane protein
BMS0032	4.1.1	putative integral membrane protein
BMS0033	4.1.1	putative integral membrane protein
BMS0034	4.1.1	putative integral membrane protein
BMS0035	4.1.1	putative integral membrane protein
BMS0036	4.1.1	putative integral membrane protein
BMS0037	4.1.1	putative integral membrane protein
BMS0038	7.0.0	tetratricopeptide repeat family protein
BMS0039	0.0.0	hypothetical protein
BMS0040	6.2.1	putative RNA polymerase ECF-type sigma factor
BMS0041	4.1.0	putative secreted protein
BMS0042	3.1.3	asparagine synthetase B [glutamine-hydrolyzing]
BMS0043	6.3.1	AsnC-family transcriptional regulator
BMS0044	6.1.2	putative two-component response regulator
BMS0045	4.1.1	putative integral membrane protein

BMRD2.

BMS0069	1.7.1	cell division protein
BMS0070	0.0.0	hypothetical protein
BMS0071	0.0.0	hypothetical protein
BMS0072	7.0.0	putative beta-lactamase family protein
BMS0073	3.3.17	uridine kinase
BMS0075	1.5.0	putative periplasmic substrate-binding transport protein
BMS0076	4.2.2	putative ribosomal protein L11 methyltransferase
BMS0077	0.0.2	conserved hypothetical protein
BMS0078	4.1.1	putative RDD domain containing membrane protein
BMS0079	7.0.0	putative cytidyltransferase
BMS0080	0.0.0	hypothetical protein
BMS0081	1.1.1	putative flagellin FliC
BMS0082	1.1.1	-
BMS0083	0.0.0	hypothetical protein
BMS0084	7.0.0	putative metallophosphoesterase
BMS0085	2.2.3	putative DNA repair protein
BMS0086	3.3.0	putative inorganic polyphosphate/ATP-NAD kinase (Poly (P)/ATP NAD kinase)
BMS0087	6.1.2	putative two-component response regulator
BMS0088	6.1.1	putative two-component sensor kinase
BMS0089	0.0.0	hypothetical protein
BMS0090	0.0.2	conserved hypothetical protein
BMS0091	0.0.0	hypothetical protein
BMS0092	4.1.2	putative glycosyl transferase

BMS0093	0.0.2	conserved hypothetical protein
BMS0094	0.0.0	hypothetical protein
BMS0095	1.1.1	flagellar protein FlhS
BMS0096	1.1.1	putative flagellar hook associated protein
BMS0097	4.1.1	putative integral membrane protein
BMS0098	0.0.0	hypothetical protein
BMS0100	7.0.0	putative inositol monophosphatase family protein
BMS0101	6.5.0	putative sigma-54 interacting protein

BMRD3.

BMS0170	4.1.4	putative dTDP-4-dehydrorhamnose reductase
BMS0171	0.0.0	hypothetical protein
BMS0172	4.1.5	putative pilus-related subunit
BMS0173	4.1.0	putative exported protein
BMS0174	4.1.1	putative membrane protein
BMS0175	4.1.0	putative exported protein
BMS0176	4.1.1	putative membrane protein
BMS0177	4.1.1	putative membrane protein
BMS0178	4.1.5	putative pilus assembly-related protein
BMS0179	4.1.5	putative pilus assembly-related protein
BMS0180	4.1.5	putative pilus assembly-related protein
BMS0181	4.1.5	putative pilus assembly-related protein
BMS0182	4.1.0	putative exported protein
BMS0183	4.1.0	putative exported protein
BMS0184	4.1.0	putative exported protein

BMRD4.

BMS0257	4.1.1	putative membrane protein
BMS0258	0.0.0	hypothetical protein
BMS0259	1.3.1	putative chaperonin
BMS0260	0.0.0	hypothetical protein
BMS0261	2.2.3	putative helicase/endonuclease
BMS0262	4.1.0	putative exported protein
BMS0263	4.1.0	putative exported protein
BMS0264	4.1.0	putative exported protein
BMS0265	4.1.0	putative lipoprotein
BMS0266	4.1.0	putative exported protein
BMS0267	4.1.1	putative membrane protein
BMS0269	1.6.3	ferrous iron transport protein
BMS0270	4.1.1	putative membrane protein
BMS0271	4.1.1	putative membrane protein
BMS0272	4.1.1	putative membrane protein

BMRD5.

BMS0313	6.1.1	putative sensor protein kinase AtoS for response regulator AtoC
BMS0314	3.3.18	putative 5'-nucleotidase

BMS0315	1.5.2	putative transmembrane Na ⁺ /H ⁺ antiporter
BMS0316	7.0.0	putative aldose epimerase
BMS0317	4.1.1	putative membrane protein
BMS0318	4.1.1	putative membrane protein
BMS0319	4.1.0	putative exported protein
BMS0320	4.1.0	putative exported protein
BMS0321	0.0.0	hypothetical protein
BMS0322	4.1.0	putative exported protein
BMS0323	0.0.0	hypothetical protein
BMS0325	1.3.1	putative chaperone protein DnaK (pseudogene)
BMS0326	0.0.0	hypothetical protein
BMS0327	7.0.0	putative glycosyltransferase

BMRD6.

BMS0382	4.1.4	CDP-glucose 4,6-dehydratase
BMS0383	4.1.4	paratose synthase
BMS0384	4.1.1	putative membrane protein
BMS0385	4.1.4	putative 4-amino- 4-deoxy-l-arabinose lipid A transferase
BMS0386	4.1.1	putative membrane protein
BMS0387	4.1.1	putative membrane protein
BMS0388	4.1.1	putative membrane protein
BMS0389	7.0.0	putative glycosyltransferase

BMRD7.

BMS0518	4.1.1	putative integral membrane protein
BMS0519	0.0.2	conserved hypothetical protein
BMS0520	4.1.1	putative iron-regulated membrane protein
BMS0521	4.1.0	putative exported protein
BMS0522	4.1.0	putative exported protein
BMS0523	4.1.3	putative TonB-dependent outer membrane receptor
BMS0524	0.0.0	hypothetical protein
BMS0525	1.6.3	putative siderophore biosynthesis protein IucD
BMS0526	1.6.3	putative siderophore biosynthesis protein IucC
BMS0527	1.6.3	putative siderophore biosynthesis protein IucB
BMS0528	1.6.3	putative siderophore biosynthesis protein
BMS0529	1.5.5	putative transport-related membrane protein
BMS0530	4.1.0	putative exported protein
BMS0532	4.1.1	putative membrane protein
BMS0533	7.0.0	putative deaminase
BMS0534	4.1.1	putative membrane protein
BMS0535	4.1.1	putative membrane protein
BMS0536	4.1.1	putative membrane protein

BMRD8.

BMS0631	4.1.0	putative exported protein
BMS0632	0.0.0	hypothetical protein

BMS0633	4.1.0	putative exported protein
BMS0634	4.1.0	putative exported protein
BMS0635	4.1.1	putative membrane protein
BMS0636	0.0.0	hypothetical protein
BMS0637	3.4.4	putative acyl-protein synthetase
BMS0638	3.4.3	putative phenylacetate-coenzyme A ligase
BMS0639	3.4.3	putative phenylacetate-coenzyme A ligase
BMS0640	0.0.0	hypothetical protein
BMS0641	0.0.2	conserved hypothetical protein
BMS0642	6.5.0	putative regulatory protein
BMS0643	1.5.5	putative transmembrane Acr-type transport protein
BMS0644	4.1.0	putative exported protein

BMRD9.

BMS0733	4.1.0	putative exported protein
BMS0734	0.0.2	conserved hypothetical protein
BMS0735	4.1.0	putative exported protein
BMS0736	4.1.0	putative exported protein
BMS0737	4.1.0	putative exported protein
BMS0738	1.6.1	putative glutathione S transferase
BMS0739	1.4.2	putative drug/sodium antiporter
BMS0740	2.1.4	putative protease
BMS0741	1.6.3	putative siderophore-interacting protein
BMS0742	4.1.0	putative exported protein
BMS0743	4.1.0	putative exported protein
BMS0744	4.1.0	putative exported protein
BMS0745	4.1.1	putative membrane protein
BMS0746	4.1.0	putative exported protein
BMS0747	4.1.1	putative membrane protein
BMS0749	0.0.2	conserved hypothetical protein
BMS0750	5.1.2	putative integrase/recombinase
BMS0751	5.1.2	putative phage-related integrase (pseudogene)
BMS0752	0.0.0	hypothetical protein
BMS0753	4.1.1	putative membrane protein
BMS0754	0.0.0	hypothetical protein
BMS0755	0.0.0	hypothetical protein
BMS0755A	0.0.0	hypothetical protein
BMS0756	0.0.0	hypothetical protein
BMS0757	4.1.1	putative membrane protein
BMS0758	4.1.1	putative membrane protein
BMS0759	5.1.2	putative prophage-related protein
BMS0760	5.1.2	DNA-invertase
BMS0761	0.0.0	hypothetical protein
BMS0762	0.0.0	hypothetical protein
BMS0763	0.0.0	hypothetical protein
BMS0764	0.0.0	hypothetical protein
BMS0765	0.0.0	hypothetical protein
BMS0766	0.0.0	hypothetical protein
BMS0767	0.0.0	hypothetical protein

BMS0768	0.0.0	hypothetical protein
BMS0770	0.0.2	conserved hypothetical protein
BMS0771	5.1.2	putative integrase
BMS0772	0.0.0	hypothetical protein
BMS0773	0.0.0	hypothetical protein
BMS0774	5.1.2	phage-related conserved hypothetical protein
BMS0775	0.0.0	hypothetical protein
BMS0776	0.0.2	conserved hypothetical protein
BMS0777	5.1.2	reverse transcriptase
BMS0779	0.0.2	conserved hypothetical protein
BMS0780	0.0.0	hypothetical protein
BMS0781	0.0.0	hypothetical protein
BMS0782	0.0.0	hypothetical protein
BMS0783	4.1.1	putative membrane protein
BMS0786	0.0.0	hypothetical protein
BMS0787	0.0.2	conserved hypothetical protein
BMS0788	4.1.1	putative membrane protein
BMS0789	5.1.2	putative phage protein
BMS0790	2.2.3	putative type I restriction enzyme modification protein
BMS0791	2.1.3	putative type I restriction enzyme specificity protein
BMS0792	2.1.3	putative type I restriction enzyme
BMS0793	0.0.2	conserved hypothetical protein
BMS0794	4.1.1	putative membrane protein
BMS0795	0.0.2	conserved hypothetical protein
BMS0797	0.0.0	hypothetical protein
BMS0798	0.0.0	hypothetical protein
BMS0799	0.0.0	hypothetical protein
BMS0801	0.0.0	hypothetical protein
BMS0802	0.0.0	hypothetical protein
BMS0803	0.0.0	hypothetical protein
BMS0805	1.4.2	putative antibiotic modification-related protein
BMS0806	0.0.2	conserved hypothetical protein
BMS0807	0.0.0	hypothetical protein
BMS0808	0.0.0	hypothetical protein
BMS0809	6.3.6	putative LysR-family regulatory protein
BMS0810	7.0.0	putative acetyltransferase (GNAT) family protein
BMS0811	4.1.0	putative exported protein
BMS0812	0.0.2	conserved hypothetical protein
BMS0813	4.1.0	putative exported protein
BMS0814	0.0.0	hypothetical protein

BMRD10.

BMS0855	0.0.2	conserved hypothetical protein
BMS0856	3.3.14	spermidine synthase
BMS0857	1.4.2	putative glutathione peroxidase
BMS0858	6.4.0	putative protein kinase
BMS0859	4.1.1	putative membrane protein
BMS0860	7.0.0	putative hydrolase
BMS0861	0.0.2	conserved hypothetical protein

BMS0862	4.1.1	putative membrane protein
BMS0863	0.0.2	conserved hypothetical protein
BMS0864	6.3.8	putative TetR family reulatory protein
BMS0866	3.2.6	putative cytochrome c biogenesis-related protein
BMS0867	4.1.0	putative exported protein
BMS0868	0.0.0	hypothetical protein
BMS0869	4.1.0	putative exported protein
BMS0870	4.1.1	putative membrane protein
BMS0871	0.0.2	putative conserved hypothetical protein
BMS0873	4.1.0	putative exported protein
BMS0874	7.0.0	putative oxygenase
BMS0875	0.0.0	hypothetical protein
BMS0876	0.0.0	hypothetical protein
BMS0877	0.0.0	hypothetical protein
BMS0878	4.1.1	putative membrane protein
BMS0879	4.1.0	putative ankyrin repeat-containing exported protein

BMRD11.

BMS1029	2.1.5	putative serine metalloprotease precursor
BMS1030	0.0.2	conserved hypothetical protein
BMS1031	4.1.0	putative exported protein
BMS1032	4.1.1	putative membrane protein
BMS1033	4.2.2	50S ribosomal protein L28
BMS1034	0.0.0	hypothetical protein
BMS1035	0.0.0	hypothetical protein
BMS1036	4.1.1	putative membrane protein
BMS1037	7.0.0	putative lyase
BMS1038	0.0.0	hypothetical protein
BMS1039	7.0.0	putative aldo/keto reductase
BMS1040	7.0.0	putative glycosyl transferase
BMS1041	4.1.0	putative exported protein
BMS1042	3.4.2	putative alanine dehydrogenase
BMS1043	4.1.0	putative exported protein
BMS1044	7.0.0	putative histone deacetylase
BMS1045	0.0.2	conserved hypothetical protein
BMS1046	4.1.0	putative exported protein
BMS1047	4.1.0	putative exported protein
BMS1048	0.0.0	hypothetical protein
BMS1049	0.0.0	hypothetical protein
BMS1050	0.0.0	hypothetical protein
BMS1051	0.0.2	conserved hypothetical protein
BMS1052	0.0.0	hypothetical protein
BMS1053	0.0.0	hypothetical protein
BMS1054	4.1.1	putative membrane protein
BMS1055	6.5.0	putative transcriptional regulator
BMS1056	2.1.4	putative beta-amylase precursor
BMS1057	7.0.0	putative uridine kinase
BMS1058	0.0.0	hypothetical protein
BMS1059	4.1.1	putative membrane protein

BMS1060	4.1.0	putative exported protein
BMS1061	4.1.1	putative membrane protein
BMS1062	0.0.2	conserved hypothetical protein
BMS1063	4.1.0	putative exported protein
BMS1064	4.1.0	putative exported protein
BMS1065	4.1.0	putative exported protein
BMS1067	4.1.1	putative membrane protein
BMS1068	6.3.6	putative LysR-family regulatory protein
BMS1069	4.1.1	putative integral membrane protein
BMS1070	1.5.2	putative voltage gated chloride channel membrane protein
BMS1071	0.0.2	conserved hypothetical protein
BMS1073	0.0.2	conserved hypothetical protein
BMS1074	4.1.0	putative exported protein
BMS1075	4.1.0	putative exported protein
BMS1077	4.1.1	putative membrane protein
BMS1078	1.5.5	putative mechanosensitive ion channel protein

BMRD12.

BMS1245	4.1.1	putative membrane protein
BMS1247	0.0.0	hypothetical protein
BMS1248	4.1.1	probable membrane protein
BMS1249	4.1.0	putative exported protein
BMS1250	2.2.1	arginyl-tRNA synthetase
BMS1251	4.1.0	putative exported protein
BMS1252	7.0.0	putative acetyltransferase
BMS1253	4.1.0	putative exported protein
BMS1254	2.2.3	putative DNA gyrase subunit B
BMS1255	2.2.3	putative DNA gyrase subunit A
BMS1256	0.0.2	conserved hypothetical protein
BMS1257	2.2.3	integration host factor alpha-subunit (IHF-alpha)
BMS1258	6.5.0	putative transcriptional regulatory protein
BMS1259	3.2.8	geranyltranstransferase
BMS1260	4.1.1	putative membrane protein
BMS1261	4.1.1	putative membrane protein
BMS1262	4.1.1	putative membrane protein
BMS1263	4.1.0	putative exported protein
BMS1264	4.1.0	putative exported protein
BMS1265	4.1.0	putative exported protein
BMS1266	4.1.1	putative membrane protein

BMRD13.

BMS1373 homolog)	6.5.0	NAD-dependent deacetylase (Regulatory protein SIR2)
BMS1374	4.1.1	putative membrane protein
BMS1375	0.0.2	conserved hypothetical protein
BMS1376	1.2.1	putative chromosomal replication initiator protein DnaA
BMS1377	0.0.0	hypothetical protein

BMS1378	4.1.1	putative membrane protein
BMS1379	4.1.1	putative membrane protein
BMS1380	1.1.1	putative motility membrane protein
BMS1381	4.1.1	putative membrane protein
BMS1382	1.1.1	putative motility membrane protein
BMS1383	4.1.0	putative exported protein
BMS1384	4.1.0	putative exported protein
BMS1385	4.1.0	putative exported protein
BMS1386	0.0.0	hypothetical protein
BMS1387	0.0.0	hypothetical protein
BMS1388	0.0.0	hypothetical protein
BMS1389	4.1.1	putative membrane protein
BMS1390	1.5.2	putative Na(+)/H(+) antiporter
BMS1391	4.1.1	putative membrane protein
BMS1392	0.0.0	hypothetical protein

BMRD14.

BMS1408	0.0.0	hypothetical protein
BMS1409	4.1.1	putative membrane protein
BMS1410	4.1.0	putative exported protein
BMS1411	2.1.4	putative serine metalloprotease precursor
BMS1412	0.0.0	hypothetical protein
BMS1413	0.0.0	hypothetical protein
BMS1414	0.0.0	hypothetical protein
BMS1415	1.5.5	putative bacterial secretion system protein
BMS1416	0.0.2	conserved hypothetical protein
BMS1417	0.0.0	hypothetical protein
BMS1418	4.1.1	putative membrane protein
BMS1419	4.1.0	putative exported protein
BMS1420	4.1.0	putative exported protein
BMS1421	0.0.0	hypothetical protein
BMS1422	0.0.2	conserved hypothetical protein
BMS1423	4.1.1	putative membrane protein
BMS1424	4.1.1	putative membrane protein
BMS1425	4.1.0	putative exported protein
BMS1426	0.0.2	conserved hypothetical protein
BMS1427	1.5.2	putative potassium efflux system
BMS1428	1.5.2	putative transmembrane Acr-type transport protein
BMS1429	4.1.0	putative exported protein
BMS1430	7.0.0	putative isomerase

BMRD15.

BMS1436	0.0.0	hypothetical protein
BMS1437	0.0.0	hypothetical protein
BMS1438	7.0.0	putative cholesterol dehydrogenase
BMS1439	3.6.1	putative acyl-CoA ligase
BMS1440	7.0.0	putative haloalkane dehalogenase
BMS1441	3.6.1	putative 3-oxoacyl-[acyl-carrier-protein] synthase III

protein

BMS1442	7.0.0	putative dehydrogenase
BMS1443	3.2.1	putative acyl carrier protein
BMS1444	3.6.1	putative 3-oxoacyl-[acyl-carrier-protein] synthase II
BMS1445	0.0.0	hypothetical protein
BMS1446	4.1.0	putative exported protein
BMS1447	4.1.0	putative exported protein
BMS1448	4.1.1	putative membrane protein
BMS1449	6.1.1	putative two-component sensor kinase (pseudogene)
BMS1450	7.0.0	putative betaine aldehyde dehydrogenase
BMS1452	1.2.1	putative chromosome partitioning protein
BMS1453	0.0.2	conserved hypothetical protein
BMS1454	4.1.0	putative exported protein
BMS1455	0.0.2	conserved hypothetical protein
BMS1456	4.1.1	putative membrane protein

BMRD16.

BMS1551	0.0.0	hypothetical protein
BMS1552	7.0.0	putative hydrolase
BMS1553	7.0.0	putative desaturase
BMS1554	7.0.0	putative desaturase
BMS1555	4.1.0	putative exported protein
BMS1556	4.1.0	putative exported protein
BMS1557	1.2.1	putative chromosome partitioning protein
BMS1558	0.0.0	hypothetical protein
BMS1559	4.1.0	putative exported protein
BMS1561	4.1.0	putative exported protein
BMS1562	0.0.0	hypothetical protein
BMS1563	4.1.1	putative membrane protein
BMS1564	6.1.2	putative reponse regulator
BMS1565	7.0.0	putative bi-functional transferase/deacetylase
BMS1566	4.1.1	putative membrane protein
BMS1567	4.1.1	putative membrane protein

BMRD17.

BMS1612	4.1.1	putative membrane protein
BMS1613	6.1.3	putative two-component system sensor kinase/response regulator fusion protein
BMS1614	4.1.0	putative exported protein
BMS1615	4.1.0	putative exported protein
BMS1616	4.1.1	putative membrane protein
BMS1617	4.1.0	putative exported protein

BMRD18.

BMS1668	4.1.0	putative exported protein
BMS1669	1.6.2	putative choline transport membrane protein
BMS1670	2.2.1	Lysyl-tRNA synthetase

BMS1671	0.0.0	hypothetical protein
BMS1672	0.0.0	hypothetical protein
BMS1673	4.1.0	putative exported protein
BMS1674	4.1.1	putative membrane protein

BMRD19.

BMS1866	2.2.1	threonyl-tRNA synthetase
BMS1867	4.1.2	D-alanine--D-alanine ligase
BMS1868	7.0.0	putative aminotransferase
BMS1869	7.0.0	putative acyltransferase
BMS1870	7.0.0	putative aminotransferase
BMS1871	3.4.3	acetate CoA-transferase alpha subunit 1
BMS1872	3.4.3	putative 3-oxoadipate CoA-transferase subunit B
BMS1873	0.0.0	hypothetical protein
BMS1874	0.0.0	hypothetical protein
BMS1875	0.0.0	hypothetical protein
BMS1876	0.0.0	hypothetical protein
BMS1877	0.0.0	hypothetical protein
BMS1878	2.1.4	putative exported peptidase

BMRD20.

BMS1941	4.1.0	putative exported protein
BMS1942	3.3.7	inosine-guanosine kinase
BMS1943	4.1.0	putative exported protein
BMS1944	4.1.0	putative exported protein
BMS1945	4.1.0	putative exported protein
BMS1946	7.0.0	putative protease
BMS1947	4.1.0	putative exported protein
BMS1948	0.0.0	hypothetical protein
BMS1949	0.0.0	hypothetical protein
BMS1950	0.0.2	conserved hypothetical protein
BMS1951	1.5.2	putative cation transporter
BMS1952	0.0.0	hypothetical protein
BMS1953	4.1.1	putative membrane protein
BMS1954	0.0.0	hypothetical protein
BMS1955	0.0.0	hypothetical protein
BMS1956	0.0.0	hypothetical protein
BMS1957	0.0.0	hypothetical protein
BMS1958	0.0.0	hypothetical protein

BMRD21.

BMS2076	1.5.5	ABC transporter ATP-binding protein
BMS2077	0.0.0	hypothetical protein
BMS2079	3.3.8	putative glycerophosphoryl diester phosphodiesterase
BMS2080	4.1.0	putative exported protein
BMS2081	4.1.1	putative transmembrane protein
BMS2082	0.0.2	conserved hypothetical protein

BMS2083	0.0.0	hypothetical protein
BMS2084	0.0.0	hypothetical protein
BMS2085	7.0.0	putative acetyltransferase
BMS2086	2.2.10	putative poly(A) polymerase
BMS2087	6.3.6	putative LysR family transcriptional regulator
BMS2088	2.1.4	putative protease
BMS2089	4.1.0	putative exported protein
BMS2090	4.1.0	putative exported protein
BMS2091	2.1.4	putative exported endopeptidase protein

BMRD22.

BMS2093	0.0.0	hypothetical protein
BMS2094	1.5.5	putative ABC transport system, exported protein
BMS2096	4.1.0	putative exported protein
BMS2097	2.1.5	putative serine metalloprotease precursor
BMS2098	1.5.1	putative amino acid ABC transport system, periplasmic protein
BMS2099	0.0.0	hypothetical protein
BMS2100	0.0.2	conserved hypothetical protein
BMS2101	4.1.1	putative membrane protein
BMS2102	2.1.4	putative D-alanyl-D-alanine carboxypeptidase precursor
BMS2103	4.1.0	putative ankyrin repeat-containing exported protein
BMS2104	4.1.0	putative exported protein
BMS2106	0.0.0	hypothetical protein
BMS2107	4.1.1	putative membrane protein
BMS2108	0.0.2	conserved hypothetical protein
BMS2109	1.5.5	putative transmembrane Acr-type transport protein
BMS2110	4.1.0	putative exported protein
BMS2111	6.3.8	putative TetR-family regulatory protein
BMS2112	0.0.2	conserved hypothetical protein
BMS2114	4.1.0	putative exported protein
BMS2115	0.0.0	hypothetical protein

BMRD23.

BMS2149	0.0.0	hypothetical protein
BMS2150	0.0.2	conserved hypothetical protein
BMS2151	0.0.0	hypothetical protein
BMS2152	0.0.0	hypothetical protein
BMS2153	4.1.5	putative membrane-anchored cell surface protein
BMS2154	0.0.0	hypothetical protein

BMRD24.

BMS2158	3.5.3	putative cytochrome C
BMS2159	4.1.0	putative exported protein
BMS2160	4.1.1	putative membrane protein
BMS2161	0.0.0	hypothetical protein
BMS2162	0.0.2	conserved hypothetical protein

BMS2163	2.1.4	putative serine protease
BMS2164	4.1.0	putative exported protein
BMS2165	0.0.2	conserved hypothetical protein
BMS2166	6.1.1	putative C4-dicarboxylate transport sensor protein
BMS2167	1.1.1	putative flagellin subunit
BMS2168	0.0.0	hypothetical protein
BMS2169	0.0.0	hypothetical protein

BMRD25.

BMS2173	0.0.2	conserved hypothetical protein
BMS2174	0.0.0	hypothetical protein
BMS2175	0.0.0	hypothetical protein
BMS2176	4.1.0	putative exported protein
BMS2177	0.0.2	conserved hypothetical protein
BMS2178	0.0.2	conserved hypothetical protein
BMS2179	4.1.0	putative exported protein
BMS2180	4.1.0	putative lipoprotein
BMS2181	4.1.0	putative exported protein

BMRD26.

BMS2818	4.1.1	putative membrane protein
BMS2819	7.0.0	putative NAD(P)H dehydrogenase
BMS2820	6.3.8	putative TetR-family regulatory protein
BMS2821	1.4.2	putative microcin immunity protein
BMS2822	4.1.1	putative membrane protein
BMS2823	6.3.6	putative LysR-family transcriptional regulator
BMS2824	3.3.15	putative short-chain dehydrogenase/reductase
BMS2825	4.1.0	putative exported protein
BMS2826	6.1.2	putative two-component system response regulator
BMS2827	6.1.1	putative two-component system sensor kinase
BMS2828	0.0.2	conserved hypothetical protein
BMS2829	0.0.2	conserved hypothetical protein
BMS2830	2.2.3	putative DNA-3-methyladenine glycosylase I
BMS2831	3.5.2	putative exported pseudoazurin
BMS2832	1.4.2	catalase-peroxidase
BMS2833	7.0.0	putative acyl-acyl carrier protein thioesterase
BMS2834	0.0.0	hypothetical protein
BMS2835	4.1.0	putative exported protein
BMS2836	4.1.0	putative exported protein
BMS2837	1.5.5	putative transmembrane Acr-type transport protein
BMS2838	4.1.0	putative exported protein
BMS2839	1.5.5	putative outer membrane efflux protein
BMS2840	6.3.7	putative MarR-family regulatory protein
BMS2841	4.1.0	putative exported protein
BMS2842	1.4.3	putative bicyclomycin resistance protein (probable transporter)
BMS2843	0.0.2	conserved hypothetical protein
BMS2844	0.0.0	hypothetical protein

BMS2845	4.1.2	putative periplasmic protein
BMS2846	1.1.1	putative chemotaxis protein
BMS2847	1.5.5	putative C4-dicarboxylate transport sensor protein
BMS2849	0.0.2	conserved hypothetical protein
BMS2850	6.1.1	putative two-component system, sensor kinase
BMS2851	4.1.1	putative membrane protein
BMS2852	4.1.0	putative exported protein
BMS2853	0.0.2	putative glycoprotein
BMS2854	7.0.0	putative regulatory protein
BMS2855	7.0.0	putative dehydrogenase accessory protein
BMS2856	3.3.11	putative xanthine dehydrogenase large subunit
BMS2857	3.3.11	putative xanthine dehydrogenase
BMS2858	2.2.1	putative tRNA pseudouridylate synthase
BMS2859	4.1.0	putative exported protein
BMS2860	4.1.0	putative exported protein
BMS2861	4.1.0	putative exported protein
BMS2862	4.1.1	putative membrane protein

BMRD27.

BMS2995	4.1.0	putative exported protein
BMS2996	4.1.0	putative exported protein
BMS2997	0.0.2	hypothetical protein
BMS2998	6.2.1	putative RNA polymerase sigma factor
BMS2999	0.0.0	hypothetical protein
BMS3000	0.0.0	hypothetical protein
BMS3001	1.5.1	putative oligopeptide transport system permease protein
BMS3002	1.5.0	putative ABC transporter, permease protein
BMS3003	1.5.5	putative ABC transport system solute-binding protein
BMS3004	0.0.0	hypothetical protein
BMS3005	4.1.0	putative exported protein
BMS3006	0.0.2	conserved hypothetical protein
BMS3007	4.1.0	putative exported protein
BMS3008	7.0.0	putative ATP-binding protein
BMS3009	1.5.4	putative ion-transporting ATPase

BMRD28.

BMS3094	0.0.0	hypothetical protein
BMS3095	0.0.0	hypothetical protein
BMS3096	7.0.0	putative DNA binding protein
BMS3097	0.0.0	hypothetical protein
BMS3098	0.0.0	hypothetical protein
BMS3099	0.0.2	putative homologue of hemolysin protein
BMS3100	3.3.18	putative CMP-N-acetylneuraminic acid synthetase
BMS3101	0.0.2	conserved hypothetical protein
BMS3102	0.0.0	hypothetical protein
BMS3104	4.1.5	putative pilin glycosylation protein
BMS3105	3.4.3	putative sorbitol/galactitol-1-phosphate 5-dehydrogenase

BMS3106	0.0.0	hypothetical protein
BMS3107	3.2.6	putative heme/metallo cofactor biosynthesis related protein
BMS3108	3.2.9	putative cofactor modifying protein
BMS3109	7.0.0	putative carbon-nitrogen hydrolase
BMS3110	4.1.0	putative exported protein
BMS3111	0.0.0	hypothetical protein
BMS3112	1.5.5	putative transport-related membrane protein
BMS3113	4.1.1	putative membrane protein
BMS3114	4.1.1	putative membrane protein
BMS3115	0.0.0	hypothetical protein
BMS3116	4.1.0	putative exported protein
BMS3117	4.1.1	putative membrane protein
BMS3118	4.1.0	putative exported protein
BMS3119	0.0.0	hypothetical protein
BMS3120	4.1.1	putative membrane protein
BMS3121	0.0.2	conserved hypothetical protein
BMS3122	4.1.5	putative pilin glycosylation protein
BMS3123	4.1.5	putative aminotransferase
BMS3124	7.0.0	putative oxidoreductase
BMS3125	7.0.0	putative glycosyl transferase
BMS3126	3.2.9	putative molybdenum cofactor biosynthesis protein
BMS3127	4.1.1	putative membrane protein
BMS3128	4.1.1	putative membrane protein
BMS3129	4.1.1	putative membrane protein
BMS3130	0.0.0	hypothetical protein
BMS3131	0.0.0	hypothetical protein
BMS3132	0.0.0	hypothetical protein
BMS3133	4.1.1	putative membrane protein
BMS3134	3.2.9	putative molybdopterin cofactor synthesis protein
BMS3135	0.0.2	conserved hypothetical protein
BMS3136	4.1.4	putative UDP-glucose-4-epimerase
BMS3137	4.1.0	putative exported protein
BMS3138	7.0.0	putative glycosyl transferase
BMS3139	0.0.0	hypothetical protein
BMS3140	0.0.0	hypothetical protein
BMS3141	1.5.5	putative O-antigen export ABC transporter, ATP-binding protein
BMS3142	1.5.5	putative polysaccharide export ABC transporter permease protein
BMS3143	0.0.0	hypothetical protein
BMS3144	0.0.0	hypothetical protein
BMS3145	0.0.2	conserved hypothetical protein
BMS3146	7.0.0	putative glycosyl transferase
BMS3147	7.0.0	putative transferase
BMS3148	0.0.0	hypothetical protein
BMS3149	0.0.2	conserved hypothetical protein
BMS3150	3.3.9	transketolase C-terminal subunit

BMRD29.

BMS3325	4.1.0	putative exported protein
BMS3326	4.1.0	putative exported protein
BMS3327	4.1.1	putative membrane protein
BMS3328	4.1.0	putative exported protein
BMS3329	4.1.0	putative lipoprotein
BMS3330	1.1.1	putative methyl-accepting chemotaxis protein
BMS3331	4.1.1	putative membrane protein
BMS3332	2.1.4	putative exported aminopeptidase
BMS3333	4.1.1	putative membrane protein
BMS3334	4.1.1	putative membrane protein
BMS3335	4.1.0	conserved hypothetical exported protein