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	Thermodesulfobacterium thermophilum NZ ATXI01000008.1 110  Thermodesulfobacterium hveragerdense NZ AUIT01000027.1 5  Thermodesulfobacterium commune NZ CP008796.1 1683  UBA3076 sp003194485 PQXD01000014.1 47  UBA8473 sp003599365 QZJR01000071.1 15
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	Desulfonatronum lacustre NZ KI912608.1 2965  Desulfonatronum thiodismutans NZ JPIK01000013.1 41  Desulfonauticus submarinus NZ FNIN01000011.1 57  Desulfonauticus sp001507915 LGER01000001.1 30  Desulfonauticus submarinus NZ FNIN01000008.1 61
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	Desulfomicrobium baculatum NC 013173.1 3162  Desulfoplanes formicivorans NZ BDFE01000004.1 224  Alteridesulfovibrio inopinatus NZ AUBP01000001.1 408  Fundidesulfovibrio putealis NZ AUBQ01000015.1 36
	Solidesulfovibrio fructosivorans NZ AECZ01000018.1 21 Solidesulfovibrio magneticus B DLGG0100006.1 11 Solidesulfovibrio alcoholivorans NZ JNJA01000013.1 41 Solidesulfovibrio sp000245055 NZ JH600068.1 975 Solidesulfovibrio sp000177215 CM001368.1 1872
	Solidesulfovibrio magneticus C NZ JAGC01000003.1 386 Solidesulfovibrio sp001936595 NZ MLBG01000033.1 7 Solidesulfovibrio sp000801335 NZ JSEH01000008.1 185 Solidesulfovibrio magneticus A ALAO01000179.1 6 Solidesulfovibrio magneticus NC 012796.1 516
	**Solidesulfovibrio carbinolicus NZ CP026538.1 3511  Maridesulfovibrio bastinii NZ AUCX01000010.1 150  Maridesulfovibrio frigidus NZ JONL01000002.1 368  Maridesulfovibrio gilichinskyi NZ FWZU01000004.1 308  Maridesulfovibrio ferrireducens NZ FNGA01000001.1 298
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	Pseudodesulfovibrio hydrargyri NZ LKAQ01000004.1 645  Pseudodesulfovibrio desulfuricans A NC 016803.1 2641  Pseudodesulfovibrio indicus NZ CP014206.1 847  Pseudodesulfovibrio profundus NZ LT907975.1 2411  Pseudodesulfovibrio piezophilus NC 020409.1 1784
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	Desulfovibrio sp900540515 UQGC01000020.1 23  Desulfovibrio sp000403945 APFI01000073.1 2  Desulfovibrio fairfieldensis NZ CP014229.1 2522  Desulfovibrio sp900547595 URHE01000043.1 10  UBA6814 sp002452635 DKEU01000227.1 15
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	Nitratidesulfovibrio vulgaris NC 002937.3 798 Nitratidesulfovibrio vulgaris A NC 011769.1 2934 Nitratidesulfovibrio termitidis NZ KI632512.1 3104 Nitratidesulfovibrio sp000226255 NZ AGFG01000063.1 25
	MADRE1 sp004796465 QZKZ01000115.1 3  Frigididesulfovibrio sp002293605 DBDO01000200.1 3  Frigididesulfovibrio cuneatus NZ AUCY01000045.1 10  Oleidesulfovibrio alaskensis NZ AXWQ01000014.1 29  Halodesulfovibrio sp003252375 QKEJ01000136.1 5  Halodesulfovibrio marinisediminis NZ FSRG01000005.1 517
	Halodesulfovibrio marinisediminis NZ FSRG01000005.1 517  Halodesulfovibrio spirochaetisodalis NZ JXMS01000003.1 96  Halodesulfovibrio aestuarii NZ ARQF01000020.1 93  UBA2156 sp002328165 DCWS01000039.1 49  Seep-SRB1g sp. AB 1215 Bin 34 MBW2647612.1  RPRC01 sp003857395 RPRC01000079.1 1
	RPRC01 sp003857395 RPRC01000079.1 1  Desulfobacca B sp002049795 MUKC01000035.1 11  0-14-0-80-60-11 sp002779455 PEWM01000219.1 7  SURF-52 sp003599195 QZIZ01000004.1 15  Desulfobacca acetoxidans NC 015388.1 738  SG8-13 sp001303025 LJNK01000112.1 1
	SG8-13 Sp001303025 LJNK01000112.1 1  S7086C20 sp001751075 MAVP01000019.1 19  Desulfofervidus auxilii NZ CP013015.1 2525  JdFR-97 sp002010915 MTPG01000067.1 83  Desulfospira joergensenii NZ ATUG01000002.1 1073  Seep-SRB2 sp. 1 str. Meg22 1416 Bin 176 MBW1947188.1
	Bilophila wadsworthia NZ JNJP01000081.1 6  Bilophila wadsworthia NZ JNJP01000081.1 6  RBG-16-49-23 sp001798855 MGQQ01000118.1 16  HGW-15 sp002840535 PHBH01000066.1 6  Desulfohalovibrio alkalitolerans NZ ATHI01000004.1 140  Desulfocurvibacter africanus NZ AULZ01000013.1 128
	Fundidesulfovibrio putealis NZ AUBQ01000013.1 92 Solidesulfovibrio magneticus NC 012796.1 2900 Solidesulfovibrio magneticus A ALAO01000029.1 6 Solidesulfovibrio magneticus B DLGG01000099.1 11
	Solidesulfovibrio sp000245055 NZ JH600068.1 2949  Solidesulfovibrio sp001936595 NZ MLBG01000056.1 16  Solidesulfovibrio sp000801335 NZ JSEH01000001.1 215  Desulfovibrio sp900546145 URBN01000053.1 2  UBA6814 sp002452635 DKEU01000256.1 8
	Aminidesulfovibrio sp002382645 DFYP01000154.1 3  Humidesulfovibrio sp002840405 PHAR01000012.1 39  Nitratidesulfovibrio termitidis NZ KI632512.1 1803  Nitratidesulfovibrio vulgaris A NC 011769.1 1729  Nitratidesulfovibrio sp000226255 NZ AGFG01000038.1 16
	Bilophila wadsworthia NZ JNJP01000005.1 94  Desulfovibrio sp900540515 UQGC01000051.1 14  Desulfovibrio piger A NZ LT630450.1 2020  Desulfovibrio piger NZ DS996359.1 462  Desulfobulbus oralis NZ CP021255.1 1107
	Desulfovibrio sp900095395 LT608333.1 588  Desulfovibrio desulfuricans B QKDT01000207.1 2  Desulfovibrio desulfuricans NZ ATUZ01000001.1 22  Desulfovibrio desulfuricans C NZ CP036295.1 1962  NA091.008 bin6 HotSeep1 GLOGJPLJ 01516  FWG155 Desulfofervidaceae OLHCEBFO 01581
	HotSeep1 AMM40059.1  HotSeep1 E50 CAD7770084.1  HotSeep1 E37 CAD7771153.1  HotSeep1 E37 CAD7771153.1  DG-60 sp001304365 LJNA01000119.1 4
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	Thermodesulforhabdus norvegica NZ FOUU01000008.1 34  Desulfoglaeba alkanexedens NZ CP040098.1 1879  Desulfacinum hydrothermale NZ FWXF01000010.1 61  Desulfacinum infernum NZ FQVB01000022.1 12  Desulfosoma caldarium NZ RJVA01000013.1 397
	Desulforhabdus sp007244385 SCVX01000003.1 51  CG2-30-61-12 sp001873705 MNZR01000035.1 10  SLCH01 sp007125915 SLCH01000075.1 8  Delta-01 sp001603845 LUZZ01000325.1 3  SbD1 sp003165235 PLSV01000146.1 58
	SbD1 sp900290365 NZ OMOE01000097.1 6  Syntrophobacter fumaroxidans NC 008554.1 1072  Delta-01 sp001603845 LUZZ01000027.1 12  SbD1 sp900290365 NZ OMOE01000097.1 5  SbD1 sp0003165235 PLSV01000146.1 59
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	Dethiosulfatarculus sandiegensis NZ AZAC01000017.1 107  Desulfocarbo indianensis NZ LBMP01000002.1 228  JdFR-95 sp002011835 MTPE01000394.1 5  HGW-15 sp002840535 PHBH01000041.1 12  UBA5623 sp900258555 LT984854.1 1206
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	Desulfovibrio desulfuricans C NZ CP036295.1 2179  Thermosulfurimonas dismutans NZ LWLG01000012.1 49  SLCH01 sp003566995 PXBG01000103.1 59  Desulfonema ishimotonii NZ BEXT01000001.1 1489
	Desulfovibrio sp002159665 NZ NFJC01000012.1 29  Desulfovibrio sp003860215 NZ RQYH01000006.1 106  Solidesulfovibrio magneticus B DLGG01000171.1 10  Maridesulfovibrio salexigens NC 012881.1 2319  Desulfovibrio desulfuricans NZ ATUZ01000014.1 69  Desulfovibrio desulfovibrio africanus NZ AULZ01000001.1 349
	Desulfobulbus B propionicus A PDTC01000011.1 59  SURF-52 sp003599195 QZIZ01000147.1 13  Desulfohalovibrio reitneri NZ JOMJ01000003.1 1669  ETH-SRB1 sp004193555 RPGP01000040.1 469  QYQD01 sp007280345 QYQD01000190.1 42
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	Seep-SRB2 sp. 1 str. Meg22 1214 Bin 80 MBW1967484.1  Seep-SRB2 sp. 1 str. G37 PXF54058.1  Seep-SRB2 sp. 7 str. ML8 D OPL13566.1  Seep-SRB2 sp. 3 str. 002367355 DFBQ01000205.1 8  Seep-SRB2 sp. 5 str. 003645605 RKX61013.1
	Seep-SRB2 sp. 8 str. Meg22 1416 Bin 56 MBW1931800.1 Seep-SRB2 sp. 8 str. Meg22 810 Bin 10 MBW1718940.1 BMS3Abin13 sp002897615 BDTX01000006.1 176 Electrothrix marina MTKS01000173.1 1 Electrothrix aarhusiensis MTKO01000102.1 13 Electronema sp004284765 NQJD01000002.1 124
	Desulfovibrio sp002413355 DHWV01000057.1 38  Desulfovibrio sp000403945 APFI01000300.1 1  Desulfobulbus oralis NZ CP021255.1 2169  Desulfobulbus propionicus CP002364.1 764  Desulfobulbus elongatus NZ JHZB01000023.1 50
	Desulfobulbus A japonicus NZ AUCV01000025.1 13  Desulfobulbus A mediterraneus NZ KE387004.1 81  Desulfobulbus sp007121995 SKJK01000288.1 6  Desulfobulbus A propionicus A PDTE01000044.1 5  Desulfobulbus A propionicus C PDQK01000017.1 23
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	UBA2270 sp002347085 DDWW01000014.1 7  Desulforhopalus sp002733995 NVXR01000020.1 16  Desulforhopalus sp005116645 NZ SWCM01000020.1 39  Desulforhopalus sp005116575 NZ SWCN01000010.1 28  Desulforhopalus sp000961725 LADS01000053.1 41
	Desulforhopalus sp001799365 MGTI01000047.1 18  Tol-SR sp000769715 JROS01000142.1 28  Desulforhopalus sp002747825 PDQQ01000005.1 5  Desulforhopalus singaporensis NZ FNJI01000014.1 37  UBA8130 sp003509305 DOMU01000041.1 4
	Desulfofustis glycolicus NZ FQXS01000010.1 117  PB-SRB1 sp003500125 DNTE01000086.1 4  Desulfopila aestuarii NZ FRFE01000003.1 258  Desulfopila sp005116675 NZ SWCK01000016.1 79  Desulfopila sp005116655 NZ SWCL01000019.1 43
	Desulfotalea psychrophila NC 006138.1 1106 UBA2775 sp002352445 DEIL01000190.1 9 UBA2775 sp001750925 MAXH01000218.1 12 UBA2775 sp002352445 DEIL01000295.1 18 Seep-SRB1g sp. AB 1215 Bin 34 MBW2645536.1 Seep-SRB1g S7142MS4 Ga0401166 217 2 1855
	*Seep-SRB1g str. C00003104 OEU59659.1 Seep-SRB1g sp CR10073B Ga0402030 bin2 2120 Seep-SRB1g sp CR10073A Ga0402010 bin2 2520 Seep-SRB1g str. C00003104 OEU59634.1
	B60-G16 sp003647275 RLB81758.1 —— SURF-15 sp003599475 QZKK01000093.1 15 —— C00003060 sp001751085 OEU81101.1 —— JABXJW01 sp013375395 NVM21726.1 —— JABXJX01 sp013375375 NVL90445.1
	Desulfosudis sp002085115 MZGQ01000066.1 3  Desulfosudis oleovorans NC 009943.1 1007  SURF-3 sp003599885 QZKW01000005.1 17  SURF-33 sp003597945 QZJS01000089.1 16  SURF-7 sp003599865 QZKS01000056.1 41  Desulfofaba hansenii NZ PESK01000010.1 8
	Desulfoluna spongiiphila NZ FMUX01000011.1 45  GCA-2748835 sp002748835 PDTL01000022.1 32  Desulforegula conservatrix NZ AUEY01000017.1 40  Desulfobotulus sp006175995 NZ VDMB01000001.1 367  Desulfobacula toluolica NC 018645.1 476
	4572-130 sp002084425 NBLN01000004.1 56  NBML01 sp002085465 NBML01000010.1 18  Desulfobacula sp001799395 MGTJ01000071.1 14  Desulfobacula sp003647385 QMMT01000559.1 1  Desulfotignum phosphitoxidans NZ APJX01000007.1 60
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	Desulfobacter postgatei B QKDP01000382.1 18  Desulfobacter curvatus NZ KB892901.1 52  Desulfobacter postgatei B QKDP01000256.1 7  Desulfobacter postgatei A PDTI01000013.1 22  Desulfobacter hydrogenophilus NZ CP036313.1 1018  Desulfobacter vibrioformis NZ JQKJ01000002.1 263
	Desulfobacter postgatei NZ CM001488.1 728  UBA11574 sp003486165 DNGT01000090.1 1  UBA11574 sp002868985 PKTV01000163.1 1  YD0425bin50 sp002753105 PDZT01000049.1 3  RPRI01 sp003818505 RPRI01000080.1 3  Desulfatirhabdium butyrativorans NZ AUCU01000009.1 129
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	B1SED10-16 sp003551985 PUOB01000340.1 2 GCA-002779465 sp002771315 PCSF01000171.1 5 SG8-13 sp001303025 LJNK01000029.1 29 RBG-13-49-15 sp001797695 MGQD01000107.1 6 GCA-002779465 sp002771315 PCSF01000171.1 4 UBA2174 sp002327445 DCWA01000034.1 134
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	Seep-SRB1a sp. 1 str. 013792055 MBA3017079.1 Seep-SRB1a sp. 5 str. 20073 SRB LCGKHOPJ 01470 Seep-SRB1a sp. 5 str. S7142MS3 MBT9438808.1 Seep-SRB1a sp. 3 str. 014237365 MBC2718510.1 Seep-SRB1a sp. 8 str. AB 03 Bin 172 MBW2739195.1 Seep-SRB1a sp CR9063A Ga0402054 bin3 801
	Seep-SRB1a sp CR9003A Ga0402034 bins 801   Seep-SRB1a sp CR9063C Ga0402062 bin2 953   FWG172 EthSRB1 EOKBJDCF 00796   Seep-SRB1a sp. 9 str. Meg22 24 Bin 68 MBW1834073.1