

scale: 1

DsrM tree

Desulfonatronum sp002299865 DBNV01000106.1 8
Desulfonatronum thioautotrophicum NZ FMX001000010.1 117
Desulfonatronum sp007127655 SKYX01000077.1 10
Desulfonatronum sp003046795 NZ PZK01000004.1 162
Desulfonatronum thiodismutans NZ JPNK01000001.1 4
Desulfonatronum lacustre NZ K1912608.1 1569
Maridesulfobrio salexigens NC 012881.1 1869
Desulfoplanes formicivorans NZ BDFE01000008.1 233
Desulfomicrobium orale NZ CP014230.1 1445
Desulfomicrobium sp003542385 DPKT01000306.1 10
Desulfomicrobium escambiense NZ AUAR01000016.1 10
Desulfomicrobium norvegicum NZ FOT001000017.1 11
Desulfomicrobium sp002412965 DHWB01000007.1 205
Desulfonauticus submarinus NZ FNIN01000003.1 81
Desulfonauticus sp001507915 LGER01000004.1 47
Desulfonatronovibrio hydrogenovorans NZ JMKT01000011.1 188
Desulfonatronovibrio sp003558575 PWPY01000096.1 1
Desulfonatronovibrio magnus NZ JYNP01000009.1 24
Desulfonatronovibrio sp007121655 SKKD01000018.1 5
Desulfonatronovibrio sp003557665 PWNK01000114.1 4
Desulfonatronovibrio sp003556455 PXDF01000168.1 12
Desulfonatronospira sp007127015 SLAE01000137.1 4
Desulfonatronospira sp007125075 SLDX01000106.1 8
Desulfosudis sp002085115 MZGQ01000005.1 59
Desulfonatronospira sp003551155 PUMA01000012.1 22
Desulfonatronospira sp003563255 PWSL01000247.1 17
Desulfonatronospira thiodismutans NZ ACJN02000003.1 560
Desulfonatronospira sp003553695 PWFBO1000129.1 1
Seep-SRB1a sp SM7059A Ga0402080 bin2 599
BM004 sp002868955 PKTW01000076.1 8
YD12-FULL-57-12 sp001799275 MGTE01000008.1 7
BM506 sp002868945 PKTX010000078.1 1
SURF-16 sp003249165 QKJVO1000042.1 3
DB1 sp001914235 MQUF01000023.1 60
XYD12-FULL-50-9 sp001799225 MGTA01000240.1 30
CG2-30-60-27 sp001873115 MNYK01000155.1 14
UBA2262 sp002347185 DDXX01000127.1 9
UBA2262 sp002347095 DDWZ01000025.1 40
UBA2262 sp001799285 MGTD01000018.1 22
UBA2262 sp001799255 MGTG01000007.1 20
UBA5628 sp002421565 DKC01000132.1 7
Desulfurivibrio sp004332195 SJBG01000008.1 49
Desulfurivibrio sp003557565 PWQG01000129.1 16
Desulfurivibrio alkaliphilus NZ C014216.1 2311
UBA10518 sp003604995 QZJD01000039.1 27
UBA10518 sp003508005 DNUE01000076.1 41
BMS3Abin13 sp002897615 BDTX01000011.1 104
Electronema sp002413355 DHWV01000093.1 32
Desulfobulbus B propionicus A PDT01000002.1 13
Desulfobulbus elongatus NZ JHZB01000015.1 91
Desulfobulbus sp000403945 APFI01000228.1 9
Desulfobulbus oralis NZ CP021255.1 250
Desulfobulbus A propionicus A PDTE01000017.1 7
Desulfobulbus A mediterraneus NZ AUCW01000016.1 21
Desulfobulbus A japonicus NZ AUCV01000004.1 145
Desulfobulbus A propionicus B PDT01000004.1 26
UBA2270 sp002424635 DIKT01000004.1 2
UBA2270 sp002347085 DDWV01000045.1 61
UBA2270 sp002347745 DDXC01000045.1 24
UBA2270 sp002372255 DCUN01000135.1 5
Tol-SR sp000769715 JROU01000057.1 27
Desulfotulstis glycolicus NZ FXQS01000005.1 155
Desulfotulstis aestuarii NZ FRFE01000015.1 52
Desulfotulstis sp005116655 NZ SWCL01000004.1 127
Desulfotulstis sp005116675 NZ SWCK01000008.1 20
Desulfotalea psychrophila NC 006138.1 3078
UBA8130 sp003509305 PQMU01000106.1 17
GCA-2747805 sp002747805 PDQP01000061.1 5
SZUA-575 sp003249645 QKIH01000126.1 3
Desulfotopulus singaporensis NZ FNJH01000007.1 113
Desulfotopulus sp005116645 NZ SWCN01000001.1 620
Desulfotopulus sp001799365 MGTI01000025.1 59
Desulfotopulus sp000961725 LADS01000049.1 103
Desulfotopulus sp005116575 NZ SWCN01000024.1 162
Desulfotopulus sp002733995 NVXR01000011.1 58
UBA2775 sp002352445 DEIL01000130.1 12
UBA2775 sp001750925 MAXH01000181.1 27
Paradesulfobrio bizertensis NZ FUYA01000001.1 65
Paradesulfobrio Q ferrophilus NZ AP017378.1 2295
Desulfococcus vexinensis NZ JAEX01000021.1 17
PB-SRB1 sp003500125 DNTE01000113.1 29
Desulfotolalobium reitneri NZ JOMJ01000003.1 1443
Desulfotolalobium sp000422205 NZ ATHV01000041.1 19
Desulfotolalobium alkalitolans NZ ATHH01000026.1 127
UBA6079 sp002428705 DIXN01000061.1 174
Desulfocurvibacter africanus NZ AULZ01000017.1 55
Electronema sp004284765 NQJD01000003.1 117
Maridesulfobrio zosterae AU AUCD01000010.1 270
Maridesulfobrio sp004923195 NZ RDSB01000011.1 110
Maridesulfobrio hydrothermalis NC 020055.1 731
Maridesulfobrio bastinii NZ AUCX01000010.1 193
Maridesulfobrio frigidus NZ JONL01000002.1 412
Maridesulfobrio gilchinskii NZ JXMS01000001.1 265
Maridesulfobrio ferrireducens NZ FNGA01000001.1 340
Aminidesulfobrio sp002382645 DFYP01000195.1 5
Aminidesulfobrio aminophilus NZ AUMA01000015.1 29
Humidesulfobrio sp001799475 MGTN01000043.1 20
Humidesulfobrio sp001871085 MNUQ01000004.1 3
Humidesulfobrio sp002422505 DIVX01000031.1 2
Humidesulfobrio mexicanus NZ FZOC01000007.1 69
Paucidesulfobrio longus NZ ATVA01000014.1 301
Paucidesulfobrio gracilis NZ AUYC01000012.1 63
Pseudodesulfobrio oxycliniae NZ FQXE01000004.1 21
Pseudodesulfobrio brasiliensis NZ BBCE01000011.1 6
Pseudodesulfobrio aespoensis NC 014844.1 372
Pseudodesulfobrio profundus NZ LT907975.1 2310
Pseudodesulfobrio piezophilus NC 020409.1 2475
Pseudodesulfobrio sp004025585 NZ QTZO01000028.1 12
Pseudodesulfobrio desulfuricans A NC 016803.1 1831
Pseudodesulfobrio indicus NZ CP014206.1 915
Pseudodesulfobrio hydrargyri NZ LKAQ01000004.1 575
Fundidesulfobrio putealis NZ AUBQ01000003.1 528
Alteridesulfobrio inopinatus NZ AUBP01000002.1 110
Solidesulfobrio sp000245055 NZ JH600068.1 3861
Solidesulfobrio sp000177215 CM001368.1 2189
Solidesulfobrio fructosivorans NZ AEZC01000038.1 33
Solidesulfobrio magneticus B DLGG01000111.1 12
Solidesulfobrio alcoholivorans NZ JNJA01000009.1 110
Solidesulfobrio magneticus C NZ JAGC01000003.1 733
Solidesulfobrio sp001936595 NZ MLEB01000031.1 22
Solidesulfobrio sp000801335 NZ SCJH01000011.1 142
Solidesulfobrio carbinolicus NZ CP026538.1 3678
Solidesulfobrio magneticus A ALAA01000200.1 10
Solidesulfobrio magneticus B DLGG01000129.1 10
MADRE1 sp004796465 QZKZ01000145.1 3
Megalodesulfobrio gigas NC 022444.1 2135
Nitratidesulfobrio vulgaris NC 002937.1 1211
Oleidesulfobrio alaskensis NZ AXWQ01000004.1 259
Halodesulfobrio sp003252375 QKEJ01000160.1 9
Halodesulfobrio spirochaetis