26
denovo 23x; UncBA780 North Pacific (AY191961.1) (1G)
UncGA116 South China Sea (HQ586546);
UncM2172 Arabian Sea OMZ (JF429967) (1G)
8
denovo (7x)
UncN1704 umangrove (GU367888) (1G)
KlePneu6, Klebsiella pneumoniae (X13303.1) (1G)
denovo26730
denovo18467
VibDiaz2, Vibrio diazotrophicus (U23650.1) (1G)
19
denovo 17x; UncB4174 Lake Michigan (AF286688) (1G)
Unc12217 marine surface water Atlantic Ocean (HQ611575.1)
Unc18425, sea water of Kuroshio, 15 m (AB679088.1)
denovo13401
M6445A01, S. Pacific 420 m
M6436A01, S. Pacific 600 m
denovo5448
denovo16320
UncM1011, South China Sea (HQ455908.1)
denovo7419
denovo13183
M6436A02, S. Pacific 600 m
M6445A07, S. Pacific 420 m
denovo32952
6
denovo 5x; M6434A01 S. Pacific 350 m
Unc11959, Florida Keys Reef water column, (HM601510.1)
UncMa992, South China Sea (HQ455889.1)
denovo14041
Unc17088, South China Sea, Spring 200 m (JN097379.1)
5
denovo 4x; UncMi432 from coral reef (EF174696) (1G)
TerTurne, Teredinibacter turnerae (CP001614.2) (1G)
denovo1734
denovo6047
denovo11568
UncBac78, from coral (EU693398) (1O)
HlhHalo4, Halorhodospira halophila (EF199951.1) (1O)
denovo19894
MtmSpec2, Methylomonas sp. (AF378716) (1G)
MtmSpeci, Methylomonas sp. (AF378715) (1G)
M6433A01, S. Pacific 600 m
denovo2997
M6434A02, S. Pacific 350 m
M6434A03, S. Pacific 350 m
MgnSpeci, Magnetococcus sp. (CP 000471.1) (1G)
11
denovo 11x
M6432A03, S. Pacific 850 m
Unc12045, marine surface water (HQ611403)
UncB2403, from Mono Lake plankton (AY221802.1) (3S)
10
denovo 7x; UncMa122 N. Pacific seawater 200m (AY528678) (3S); Unc17125 S. China Sea surface (JN097416)
UncMa132 from Atlantic Ocean (AY896462) (3S)
denovo29481
denovo644
M6414A01, S. Pacific 250 m
DlbPropi, Desulfobulbus propionicus, freshwater mud (CP002364.1)
DsfVul10, Desulfovibrio vulgaris (CP002298.1) (3E)
UncB8962, marine microbial mats (GU193003.1) (3E)
5
denovo 6x (incl. denovo18755)
denovo18528
DsfMagne, Desulfovibrio magneticus (AP010904.1) (3P)
denovo11405
UncB2493, salt pond microbial mat (DQ140609.1) (3Q)
M6437A04, S. Pacific 400 m
denovo18224
UncB3412, greenhouse Microcoleus mat (AY244735) (3N)
denovo4832
DscAlken, Desulfatibacillum alkenivorans (CP001322.1) (3H)
denovo8223
M6439A07, S. Pacific 900 m
CloKluy3, Clostridium kluyveri (AP009049.1) (4F)
DesAceto, Desulfotomaculum acetoxidans
(ABTQ01000016) (4A)
0.10