

Fig. S3

Q8D2C9_WIGBRWigglesworthiaglossinidiabrevipalpis/1-538
Q492Y2_BLOPBCandidatusBlochmanniapennsylvanicusstrBPEN/1-552
Q7VR96_BLOFLBlochmanniafloridanus/1-548
Q5QXP5_IDILOIdiomarinaloiohiensis/1-545
A3WKV0_9GAMMidiomarinabalticaOS145/1-543
Q023G7_SOLUE/1-559
Q0AE26_NITEC/1-523
A6Q9S1_SULNBSulfurovumspNBC37-1/1-548
A6Q3J7_NITSBNitratoruptorspSB155-2/1-529
A1A0B3_BIFAABifidobacteriumadolescentisATCC15703/1-590
Q5SLE0_THET8ThermusthermophilusHB8/1-524
thermophilum2Z0F/1-524
A9DM45_9GAMMSheWANellabenthicaKT99/1-556
A6DH85_9BACTLentisphaeraaraneosaHTCC2155/1-541
Q31IA4_DESDGDesulfovibriodesulfuricanssubspdesulfuricansstrG20/
Q72C56_DESVHDesulfovibriovulgarisstrHildenborough/1-551
Q485E2_COLP3Colwelliapsychrerythraea34H/1-553
Q0RPE8_FRAAAFrankiaalniACN14a/1-555
Q6A8R3_PROACPropionibacteriumacnes/1-543
Q4JX32_CORJKCorynebacteriumjeikeiumK411/1-551
A5CNA0_CLAM3AClavibactermichiganensissubspmichiganensis/1-546
A4AG37_9ACTNmarineactinobacteriumPHSC20C1/1-556
Q6AH59_LEIXXLeifsoniaaxylisubspxyl1/1-549
Q5YR87_NOCFANocardiafarcinica/1-562
A7BAA5_9ACTOuncharacterizedActinomycesodontolyticusATCC17982/1-
A0JR62_ARTS2ArthrobacterspFB24/1-549
Q9ABY5_CAUCRCaulobacteriovibrioides/1-545
A4X5L5_SALTOsalinisporatropicaCNB-440/1-549
Q6NFK5_CORDICorynebacteriumdiphtheriae/1-545
Q0S2P7_RHOSRRhodococcusjostiirHA1/1-561
A3PX70_MYCSJMycobacteriumspJLS/1-553
A3KIY7_STRAMStreptomycesambofaciensATCC23877/1-546
A6W495_KINRDKineococcusradiotoleransSRS30216/1-551
A3TG97_9MICOJanibacterspHTCC2649/1-554
A1SQ50_NOCSJNocardioidesspJS614/1-564
A6VXA2_MARMSMarinomonasspMWYL1/1-547
A3Y826_9GAMMMarinomonasspMED121/1-566
A3EVC4_9BACTLeptospirillumrubarum/1-547
A4VS23_PSEU5PseudomonasstutzeriA1501/1-554
Q01ZL1_SOLUECandidatusSolibacterusitatusEllin6076/1-549
Q13N93_BURXLBurkholderiaxenovoransLB400/1-552
Q2YBU6_NITMUNitrosospiramultiformisATCC25196/1-553
Q3KCU4_PSEPFSPseudomonasfluorescensPf0-1/1-548
A1VVU1_POLNAPolaromonasaphthalenivoransCJ2/1-553
Q21ZC0_RHOFDRhodoferraxferrireducensT118/1-559
Q31E16_THICRThiomicrospiracrunogenaXCL-2/1-547
Q2C595_9GAMMPPhotobacteriumspSKA34/1-548
Q8KTX4_VIBFIVibriofischeri/1-548
Q7N6X8_PHOLLPhotorhabdusluminescenssubspplumondii/1-546
A9ZVW5_YERPEYersiniapestisbiovarOrientalisstrF1991016/1-547
P74643_SYNY3SynecocystisPCC6803/1-567
Q1IX64_DEIGDDeinococcusgeothermalismDSM11300/1-547
Q15TS2_PSEA6PseudoalteromonasatlanticaT6c/1-549
P38569_Gluconacetobacterxylinus/1-555
A5EE28_BRASBPhosphomannomutase/1-546
Q89GL1_BRAJABradyrhizobiumjaponicum/1-564
A9HSH5_GLUDAGluconacetobacterdiazotrophicusPA15/1-553
Q132H5_RHOPSRhodopseudomonaspalustrisBisB5/1-550
Q2LST5_SYNASSyntrophusaciditrophicusSB/1-562
Q3IGV2_PSEHTPseudoalteromonashaloplanktisTAC125/1-545
A4CCC3_9GAMMPpseudoalteromonastunicataD2/1-546
Q3A327_PELCDPelobactercarbinolicusDSM2380/1-550
Q21LB3_SACD2Saccharophagusdegradans2-40/1-546
A0KIH4_AERHHAeromonashydrophilasubsphydrophilaATCC7966/1-549
A1STA6_PSYINPsychromonasingrahamii37/1-550
Q47G38_DECARDechloromonasaromaticaRCB/1-545
A5G4W1_GEOURGeobacteruraniireducensRF4/1-552
Q21JG7_ANADEAnaeromyxobacterdehalogenans2CP-C/1-546
A7HB87_ANADFAnaeromyxobacterspFw109-5/1-547
A9G2L2_SORCS3Sorangiumcellulosum/1-563
Q6AL15_DESPSDesulfotaleaapsyrophila/1-581
Q1D2S8_MYXXDMyxococcusxanthusDK1622/1-545
Q08SD1_STIAUSTigmatellaaurantiacaDW4/1-545
stPGM2FUV/1-546

DANEIQKYYH
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NETKLIDQYYN
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NIAQLVSAYYV
DIDRLERTYFE
MITTWLNAFY S
NIPKLISAYYT
DTAKLVSEYFY
NVDEVIGKYYD
EITRLTLTYE
EITRLTLTYE
NIPKLM SHYFC
NIDELLLAYTD
NIARLVSD FYT
NIPALMG EYYT
NIGQLVSDYFL
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DVAVLVSAYHD
DIPALLEAYSA
DIDELIRAYHD
DVPELVRAYYA
DVALLRAYYE
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NVDDV ISAYYD
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DLALIGAYFE
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DIAHLVTAYYS
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DVARLVVTAYYA
DVAHVVTAYYA
DLBHLVTAYYE
DVAHLVTAYYT
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DIPRLVSAYFS
HLPRLVARYYS
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