

gi 147676926	1	78	MPEPVAGMFFELFYFNGAHGLPGKESKGGYKFMEQNGDRDMQAGAGRPAEEQETVWEQFVVE-DIVIETLAIDGICGVY
gi 15840096	1	62	-----MRHHIRPSISALDAILCPDRRIAVETCWRKAIQMDYETDTELT-ETLVEEVSIDGMCGVY
OMNI NT01RX3460	1	57	-----MDNARDRSSATASFDRREGRAQEPGR----RQTSGAPRGEDGVEEIILIEEISIDGMCGVY
gi 288919786	1	56	-----MRRPSTQVEAEQVGTTGPGVPTGPAA----QIHVHGAEAPLVE-DTLIEEVSIDGMCGVY
gi 229322350	1	55	-----MTTNSQVGSLIYRLPDGVRPQEESM----SDRDNKALENDLVE-ESLVEEVSIDGMCGVY
gi 284167120	1	55	-----MSQTASDESRTPSDRSRNDSDEHD----AENDGNAEETPEIEEDLVSEELRIDGICGVY
gi 54025411	1	53	-----MSSSDIIVSITQPEHDEGVVIMTER----SMDQV--DNSAVVD-ETLIEEVSIDGMCGVY
gi 108797972	1	52	-----MPYPRRPRSHFSDPTRRKAVLM----EPNQHV EADTELVT-ETLVEEVSIDGMCGVY
gi 118473061	1	52	-----MPYICDLDHNCRDHTRRKGVHM----EPNQHV EAE TELVT-ETLVEEVSIDGMCGVY
gi 118466062	1	52	-----MPYSGRECDSDPSSSRPQERQG----PVEHETETDAQLVT-ETLVEEVSIDGMCGVY
OMNI NT05MG5241	1	52	-----MGDLGHNCRDPPrVRSPGKVIH-MDQNQQVGAEELVT-ESLVEEVSIDGMCGVY
gi 227105815	1	43	-----MADQSATSAQ EAK----VSTVPADADTDLVG-ESLVEEVSIDGMCGVY
gi 280965869	1	43	-----MDSLAPTIDIAAA----STLEAGAPAEPIVE-DLLVEDV SIDGMCGVY
gi 258651020	1	41	-----MPEVIVDEKV----STSAESAPEAPLVTS-DLLVEDV SIDGMCGVY
gi 228872062	1	41	-----MKKNNNEAVKN----VDEKEGKQDIEIEI-EIQIEELSIDGICGVY
gi 269126597	1	39	-----MDNLHTTDGA----AEEQTALTEEA AV--ESLIEEVSIDGMCGVY
OMNI NTL01FA3488	1	38	-----MLMEESVQ----VDQAVEASAEPVVA-DLLVEEVSIDGMCGVY
gi 227096628	1	37	-----MPESDDT----QAVEPPAVEEALVE-ESLVEEVSIDGMCGVY
gi 255060419	1	35	-----MENSK----EQVEVCVEEPCILE-EINVEEL AIDGICGVY
Geobacter_uraniireducens	1	35	-----METEK----QTNETCNEEPRILE-EIQVEEL AIDGICGVY
Thermomicrobium_roseum	1	34	-----MEEAT----LPVEEDELSEELV--ELLVKEITIDGMCGVY