

CLUSTAL FORMAT: MUSCLE (3.8) multiple sequence alignment

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QIU78731.1 MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFS
QIU78743.1 MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFS
QIU78755.1 MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFS
QIU78719.1 MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFS
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QIU78731.1 NVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSKTQSLIIV
QIU78743.1 NVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSKTQSLIIV
QIU78755.1 NVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSKTQSLIIV
QIU78719.1 NVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSKTQSLIIV
*****

QIU78731.1 NNATNVVIKVFCEQFCNDPFLGVVYHKNKNSWMESEFRVYSSANNCTFEYVSQPFLMDLE
QIU78743.1 NNATNVVIKVFCEQFCNDPFLGVVYHKNKNSWMESEFRVYSSANNCTFEYVSQPFLMDLE
QIU78755.1 NNATNVVIKVFCEQFCNDPFLGVVYHKNKNSWMESEFRVYSSANNCTFEYVSQPFLMDLE
QIU78719.1 NNATNVVIKVFCEQFCNDPFLGVVYHKNKNSWMESEFRVYSSANNCTFEYVSQPFLMDLE
*****

QIU78731.1 GKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQT
QIU78743.1 GKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQT
QIU78755.1 GKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQT
QIU78719.1 GKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQT
*****

QIU78731.1 LLALHRSYLTPGDSSSGWTAGAAAYVGYLQPRTFLLKYNENGTITDAVDCALDPLSETK
QIU78743.1 LLALHRSYLTPGDSSSGWTAGAAAYVGYLQPRTFLLKYNENGTITDAVDCALDPLSETK
QIU78755.1 LLALHRSYLTPGDSSSGWTAGAAAYVGYLQPRTFLLKYNENGTITDAVDCALDPLSETK
QIU78719.1 LLALHRSYLTPGDSSSGWTAGAAAYVGYLQPRTFLLKYNENGTITDAVDCALDPLSETK
*****

QIU78731.1 CTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNKRKISN
QIU78743.1 CTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNKRKISN
QIU78755.1 CTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNKRKISN
QIU78719.1 CTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNKRKISN
*****

QIU78731.1 CVADYSVLVNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVRQIAPGQTGKIAD
QIU78743.1 CVADYSVLVNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVRQIAPGQTGKIAD
QIU78755.1 CVADYSVLVNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVRQIAPGQTGKIAD
QIU78719.1 CVADYSVLVNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVRQIAPGQTGKIAD
*****

QIU78731.1 YNYKLPDDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFFERDISTEIQAGSTPC
QIU78743.1 YNYKLPDDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFFERDISTEIQAGSTPC
QIU78755.1 YNYKLPDDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFFERDISTEIQAGSTPC
QIU78719.1 YNYKLPDDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFFERDISTEIQAGSTPC
*****

QIU78731.1 NGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVN
QIU78743.1 NGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVN
QIU78755.1 NGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVN
QIU78719.1 NGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVN
*****
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QIU78731.1 FNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLLEILDITPCSFGGVSVITP
QIU78743.1 FNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLLEILDITPCSFGGVSVITP
QIU78755.1 FNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLLEILDITPCSFGGVSVITP
QIU78719.1 FNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLLEILDITPCSFGGVSVITP

QIU78731.1 GTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGNSNVFQTRAGCLIGAEHVNNSY
QIU78743.1 GTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGNSNVFQTRAGCLIGAEHVNNSY
QIU78755.1 GTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGNSNVFQTRAGCLIGAEHVNNSY
QIU78719.1 GTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGNSNVFQTRAGCLIGAEHVNNSY

QIU78731.1 ECDIPIGAGICASYQTQTNSPRRARSVASQSI IAYTMSLGAENSVAYSNNIAIPTNFTI
QIU78743.1 ECDIPIGAGICASYQTQTNSPRRARSVASQSI IAYTMSLGAENSVAYSNNIAIPTNFTI
QIU78755.1 ECDIPIGAGICASYQTQTNSPRRARSVASQSI IAYTMSLGAENSVAYSNNIAIPTNFTI
QIU78719.1 ECDIPIGAGICASYQTQTNSPRRARSVASQSI IAYTMSLGAENSVAYSNNIAIPTNFTI

QIU78731.1 SVTTEILPVSMTKTSVDCTMYICGDSTEC SNLLLQYGSFCTQLNRALTGIAVEQDKNTQE
QIU78743.1 SVTTEILPVSMTKTSVDCTMYICGDSTEC SNLLLQYGSFCTQLNRALTGIAVEQDKNTQE
QIU78755.1 SVTTEILPVSMTKTSVDCTMYICGDSTEC SNLLLQYGSFCTQLNRALTGIAVEQDKNTQE
QIU78719.1 SVTTEILPVSMTKTSVDCTMYICGDSTEC SNLLLQYGSFCTQLNRALTGIAVEQDKNTQE

QIU78731.1 VFAQVKQIYKTPPIKDFGGFNFSQILPDPSKPSKRSFIEDLLFNKVTLADAGFIKQYGDC
QIU78743.1 VFAQVKQIYKTPPIKDFGGFNFSQILPDPSKPSKRSFIEDLLFNKVTLADAGFIKQYGDC
QIU78755.1 VFAQVKQIYKTPPIKDFGGFNFSQILPDPSKPSKRSFIEDLLFNKVTLADAGFIKQYGDC
QIU78719.1 VFAQVKQIYKTPPIKDFGGFNFSQILPDPSKPSKRSFIEDLLFNKVTLADAGFIKQYGDC

QIU78731.1 LGDIAARDLICAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAM
QIU78743.1 LGDIAARDLICAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAM
QIU78755.1 LGDIAARDLICAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAM
QIU78719.1 LGDIAARDLICAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAM

QIU78731.1 QMAYRFNGIGVTQNVLYENQKLIANQFN SAIGKIQDSL SSTASALGKLQDVVNQNAQALN
QIU78743.1 QMAYRFNGIGVTQNVLYENQKLIANQFN SAIGKIQDSL SSTASALGKLQDVVNQNAQALN
QIU78755.1 QMAYRFNGIGVTQNVLYENQKLIANQFN SAIGKIQDSL SSTASALGKLQDVVNQNAQALN
QIU78719.1 QMAYRFNGIGVTQNVLYENQKLIANQFN SAIGKIQDSL SSTASALGKLQDVVNQNAQALN

QIU78731.1 TLVKQLSSNFGAISSVLNDILSRLDKVEAEVQIDRLITGRLQSLQTYVTQQLIRAAEIRA
QIU78743.1 TLVKQLSSNFGAISSVLNDILSRLDKVEAEVQIDRLITGRLQSLQTYVTQQLIRAAEIRA
QIU78755.1 TLVKQLSSNFGAISSVLNDILSRLDKVEAEVQIDRLITGRLQSLQTYVTQQLIRAAEIRA
QIU78719.1 TLVKQLSSNFGAISSVLNDILSRLDKVEAEVQIDRLITGRLQSLQTYVTQQLIRAAEIRA

QIU78731.1 SANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQSAPHGVVFLHVTVVPAQEKNFTTAPA
QIU78743.1 SANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQSAPHGVVFLHVTVVPAQEKNFTTAPA
QIU78755.1 SANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQSAPHGVVFLHVTVVPAQEKNFTTAPA
QIU78719.1 SANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQSAPHGVVFLHVTVVPAQEKNFTTAPA

QIU78731.1 ICHDGKAHFPREGV FVSNGTHW FVTQRNFYEPQIITDNTFVSGNCDVVIGIVNNTVYDP
QIU78743.1 ICHDGKAHFPREGV FVSNGTHW FVTQRNFYEPQIITDNTFVSGNCDVVIGIVNNTVYDP
QIU78755.1 ICHDGKAHFPREGV FVSNGTHW FVTQRNFYEPQIITDNTFVSGNCDVVIGIVNNTVYDP

QIU78719.1 ICHDGKAHFPREGVFVSNNGTHWFVTQRNFYEPQIITTDNTFVSGNCDVVIGIVNNTVYDP

QIU78731.1 LQPELDSFKEELDKYFKNHTSPDVLDGDISGINASVVNIQKEIDRLNEVAKNLNESLIDL
QIU78743.1 LQPELDSFKEELDKYFKNHTSPDVLDGDISGINASVVNIQKEIDRLNEVAKNLNESLIDL
QIU78755.1 LQPELDSFKEELDKYFKNHTSPDVLDGDISGINASVVNIQKEIDRLNEVAKNLNESLIDL
QIU78719.1 LQPELDSFKEELDKYFKNHTSPDVLDGDISGINASVVNIQKEIDRLNEVAKNLNESLIDL

QIU78731.1 QELGKYEQYIKWPWYIWLGFIAGLIAIVMVTIMLCCMTSCCSCLKGCCSCGSCCKFDEDD
QIU78743.1 QELGKYEQYIKWPWYIWLGFIAGLIAIVMVTIMLCCMTSCCSCLKGCCSCGSCCKFDEDD
QIU78755.1 QELGKYEQYIKWPWYIWLGFIAGLIAIVMVTIMLCCMTSCCSCLKGCCSCGSCCKFDEDD
QIU78719.1 QELGKYEQYIKWPWYIWLGFIAGLIAIVMVTIMLCCMTSCCSCLKGCCSCGSCCKFDEDD

QIU78731.1 SEPVLKGVKLHYT
QIU78743.1 SEPVLKGVKLHYT
QIU78755.1 SEPVLKGVKLHYT
QIU78719.1 SEPVLKGVKLHYT
