

>fosA_1_NZ_ACWU01000146
MLTGLNHHTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSWLCLSREPQYGGPAADYTHYAFGIAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGLRSRLAACRQAPYAGMRFAD
>fosA_2_AGDM01000012
MLSGLNHHTLAVSSLAPSVAFYHQLLGMTLHARWDGGAYLSCGDLWLCLS LD PQRRVT PPEESDYTHYAFSVA
EADFGFSARLETAGVAVWKVN RSEGASYYFLDPDGHKLELHVGLSLALRLAACREQPYKGMVFYDE
>fosA_3_NZ_ACW001000079
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDSGAYLSCGDLWLCLS LD PQRRVT PPEESDYTHYAFSIS
EADFGFSARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELHVGLSLAQR LAACREQPYKGMVFFAE
>fosA_4_NZ_AFH01000027
LKATGFNHTTIRVSDLRSLLFEYESLLGMKLVHRGRLDVYLEWGSAWICLERSCESSEKPSYGV DHI AFSIT
EEDFHDAAVKLQGSGVPIVRGPLERGGGYSINFLDPDGTELELF TGS LAERMKGWS
>fosA_5_NZ_AEXB01000013
MLQSLNHHTLAVSQLKS VTFWHELLGLALYARWNTGAYLT CGDLWVCL SYDEARQYVPPQESDYTHYAF TVA
EEDFEPFSQRLEQAGVTVWKQN KSEGASFYFLDPDGHKLELHVGLSLAARLAACREKPYAGMVFTSDEA
>fosA_6_NZ_DS999363
VILGLNHHTIAVSDLERSLKFYRET LGFTA HAKWDNGAYLSV GELWF CLSHDEPCPKTDYTHVAFDIEPKEFE
AFAKRVVSLGVEVWKQN KSEGQSLYILD PDGHKLEIHS GLS LKSRLES LRTKLY SGLVWL
>fosA_7_NZ_AFB001000747
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDSGAYLSCGDLWLCLS LD PQRRVT PPEESDYTHYAFSIS
EADFGFSARLEAAGVAMWKLN RSEGASHYFLDPDGHKLELHVGLSLAQR LAACREQPYKGMVFFDQ
>fosA_8_ACHE01000077
MEITSVNHCFSVSDLNTSIQFYKDILHG DLLVSGRTTAYLTIGHTWIALNQEKNIPRNEISHSYTHIAFSID
EEDFQQWIQWLKENQVNILKGRPRDIKDKKSIYFTDPDGHKIELHTGTLKDRMEYYKCENTHMQFYDEF
>fosA_9_NZ_ACZD01000244
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDSGAYLSCGDLWLCLS LD PQRRVT PPEESDYTHYAFSIS
EADFGFSARLEAAGVAVWKLN RSEGASHYFLDPDGHKLELHVGLSLAQR LAACREQPYKGMVFFDQ
>fosA_10_EU195449
MLSGLNHHTLAVSQLAPSVAFYQQLLGMMHLHARWDSGAYLSCGDLWLCLS LD PQRRVT PPEESDYTHYAFSIS
EADFGFSARLEAAGVAVWKLN RSEGASHYFLDPDGHKLELHVGLSLAQR LAACREQPYKGMVFFAE
>fosA_11_DQ396803
MKYLLLVSHGDFSSGLKQT LGMFAGDDAIGSVIAVGLKPDEA A STFGTRFE ALLKTL PEDAS FVVLADIVGGS
PLTTVCNI LNDHGKLQDTLVLGGMNFPMAL T LMSKDSL D NSALKEKA FSEATAAI KEF QTT SSEAS DDDDI
>fosA_12_AY692231
MVR TYENA QELKEEISA AF RKYIA E FDDIPE ALKDKR I D E VERT PAEN LAYQVGWT LLLQ WEDRERRGLPVR
TPSDEF KWNLQ LGKLY RWF NDT YAHLSL RELEGML TDNV DAI YM MIDAM SEDEL FKPHMRQW ADDAT KTAVWEV
YRFI HVNTVAPFGSFR TKIRKWKRMAL
>fosA_13_EU487198
MLQSLNHHTLAVSQLKS VTFWHELLGLTLHARWNTGAYLT CGDLWVCL SYDEARGYVPPQESDYTHYAF TVA
AEDFEPFSHKLEQAGVTVWKQN KSEGASFYFLDPDGHKLELHVGLSLAARLAACREKPYAGMVFTSDEA
>fosA_14_AB522970
MLQGLNHHTLAVSQLASSLAFYQQLPGMRLHASWD SGAYLSCGALWLCLS LDQ RRKT P P QES DYTHYAF SVA
EEE FAGVVALLAQAGAEVWKDN RSEGASYYFLDPDGHKLELHVGNLAQR LAACR RPYKGMVFFD
>fosA_15_CP002889
VKAAF RRLSENGENYSV PPLR RQPPAVYGEHV VV VHEV TVP RL A QTK GHV MLQSLN HLT LAVSDLQKS VTF
WHELLGLTLHARWNTGAYLT CGDLWVCL SYDEARGYVPPQESDYTHYAF TVA EADFEPFSHKLEQAGVTVWKQ
NKSEGASFYFLDPDGHKLELHVGLSLAARLAACREKPYAGMVFTSDEA
>fosA_16_M85195
MLQSLNHHTLAVSQLKS VTFWHELLGLTLHARWNTGAYLT CGDLWVCL SYDEARGYVPPQESDYTHYAF TVA
EEDFEPLSQRLEQAGVTIWKQN KSEGASFYFLDPDGHKLELHVGLSLAARLAACREKPYAGMVFTSDEA
>FosAMM
MLTGMNHHTLAVADLDRSLHFYRDILKMTLHTRWKY GAYLT CGELWICL SADPEII HRPIHQGYTHYAF TLPP
EQFPAFRSLLAAHQITLWKRNRSEGDSVYFLDPDGHQLEAHSGGIQQLD AC REAPYEMIFPAPGQINV
>FosASR

MLVGINHHTIAVTDVEKSIFFYQSLGMKLHASWKGAYISCGDLWLCLSLDKTRLSFSHTETDYTHYAFIVS
EADFPICVAKLKQANVIVWKENKSEGKSFYFLDPDGHKLELHVGGLLQRLKSCQKAPYEGMKFY
>FosAPS

MLIGINHHTLAWSIDQKSISFYQTVLGMQLHASWERTGAYLTCGALWVCLSYDPMRQEVAAKRRDYTHYAFIV
LAEDFSDIVEKLHQAGVTWVKDNRSEGDSFYFLDPDGHQLEIHVGSLIDRLKSCRKKPYDGMVFYS
>FosASM

MLTGLNHHTLAWSIDLRSFDFYRHLLGFTPHARWQGGAYLSIGALWLCLSLDEARMQPRERDYTHYAFIVAPE
HIERVSELRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>FosAEC

MLQSLNHNHTLAWSIDLQSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFIV
EEDFEPEFSHRLEQAGVTWVKQNKESEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDGA
>FosAKO

MLSGLNHNHTLAWSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRVISPEESDYTHYAFIV
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGS LAQRLAACRAKPYKGMVFFGEDEQAAGN
P
>FosAKP

MLSGLNHNHTLAWSQLAPSVAFYQQLLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFIV
EADFAFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGS LAQRLAACREKPYKGMVFFEQ
>FosAEA

MLSGLNHNHTLAWSQLAPSVAFYHQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFIV
EADFAFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGNLAQRLAACREKPYKGMVFFGE
>GCA_001039365

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEHVVYVHLFTVPRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFIVAEADFEPEFSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_001375695

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEHVVYVHLFTVPRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFIVAEADFEPEFSHRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYSGMVFTSDEA
>GCA_900077785

VKAFAFRRLSENEENNNSVPPLRRQPPAVYGEHVVYVHLFTVPCPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFIVAEADFEPEFSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_900075815

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFIVAEADFEPEFSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_900075805

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEHVVYVHLFTVPRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFIVAEEDFEPLSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_900075305

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEHVVYVHLFTVPRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLALHARWNTGAYLTCGDLWVCLSYVEARQYVPPQESDYTHYAFIVAEADFEPLSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_000534055

VKAFAFRRLSEGENYSEPPLRRQPPAVYGEHVVYVHAFTVSRPARKTKGHVMLQSLNHNHTLAWSIDLQSVTF
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFIVAEEDFEPEFSQRLEQAGVTWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_900077675

VKAFAFRRLSEGENYSVPPLRRQPPAVYGEHVVYVHLFTVSRPARKTKGLIMLQSLNHNHTLAWSIDLQSVTF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFIVAEAEFEPEFSNKLEQAGVIVWVKQ
NKSEGASFYFLDPDGHKLELHVGS LAARLAACREKPYAGMVFTSDEA
>GCA_001054625

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEADFEPFSQKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSNEA
>GCA_900075035

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPLSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000235765

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPAKTKGHVMLQSLNHLTLAVSDLQKSVTW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVSEEDFEPFSQRLEQAGVTWKQ
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000210775

VKAAFRRLSEENEENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001052195

VKAAFRRLSEGENYSVPPLRRQPPAVYGEDGVVYVHAFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFESFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900076085

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHAFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPEFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900076575

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHEVTVPRLAQKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSHKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001029645

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHVTVPRLAQKTKGHVMLQSLNHLTLAVSDLQKSVTW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAAEDFEPFSHKLEQAGVTWKQ
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000958885

VKAAFRRLSEGENYSVPPLRLPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSFNHLTLAVSDLQKSVTW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075695

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLELHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYSGMVFADEA
>GCA_900075045

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQKSDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075395

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVSF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000952375

VKAAFRRLSEGENYSEPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGLIMLQSLNHLTLAVSDLQKSITF
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPEFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001190095

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVSEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001052225

VKAAFRRLSEGENYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYSGMVFTSDEA
>GCA_900077845

VKAAFRRLSEGENYSVPPLRRQPPAVYGEDGVVYVHLFTSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVTEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000783675

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000812505

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076485

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLLHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900078045

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVIYVHAFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075595

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPLSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000534215

VKAAFRRLSENEENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARGNVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001653545

VKAAFRRLSENEENNNSGPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLKQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075935

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHEVTVPRLAQTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAAEDFEPFSHKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001055075

VKAAFRRLSEGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCRDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFADFSSRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900076725

VKAAFRRLSEGENYSVPPLRRQPPAVYGEDGVVYVHAFTVPRPARKTKGHVMLQSLNHLTIAVSDLQKSVT
WHELLGLLHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000747015

VKAAFRRLSENEENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_00042225

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHEVTVPRLAQKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHSRWNTGAYLTCGDLWVCLSYDEARGYVPPQESDYTHYAFTEAAEDFEPFSHKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075095

VKAAFRRLSENEENNNSGPLRRQPPAVYGEDGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900077535

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGLIMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQEIDYTHYAFTEAEADFEPFSNKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001054505

VKAAFRRLSENGKNYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLLSSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYAPPQESDYTHYAFTEAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075075

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEAEADFEPFSNKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGNLAARLAACREKPYAGMVFTSDEA
>GCA_001653625

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPSQESDYTHYAFTEAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900077545

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075315

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTEAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075065

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000968725

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHALLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEADFEPFSQRLKQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000953895

VKAAFRRLSENGENYSVPPLRRQPPAVYGEYGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTEADFEPFSQKLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000952575

VKAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVT
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTEAEADFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000938355

VKAFFRRLSENGENYSVPPLRRQPPAVYGEDGVVYVHAFTVPRPARKTKGHVMLQSLNHLTIAVSDLQKSVTFW
WHALLGLTLHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001055515

VKAFFRRLSENGKNYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSITFW
WHALLGLTLHARWKTGAYLTCGDLWVCLSYDEARRYVPPQESDYSHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075895

VKAFFRRLSENGKNYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076205

VKAFFRRLSENEENNSGPLRRQPPAVYGEDGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDKA
>GCA_001562175

VKAFFRRLSENEENYSVPPLRRKPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGDLWICLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLNQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDKA
>GCA_900075995

VKAFFRRLSENEENYSVPPLRRQPPAVYGEDGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_001054435

VKAFFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSISFW
WHELLGLTLHARWNTGAYLTCGDLWICLSYDEARRYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_000564975

VKAFFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001473135

VKAFFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900077855

VKAFFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
WHELLGLALHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_900078025

KAAFFRRLSENGENYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_001057545

KAAFFRRLSENGENNSEPLRRQPPAVYGEHGVVYVHGFTVSRPARKTKGLIMLQSLNHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEADFEPFSNKLEQEGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_000492455

KAAFFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQKSDYTHYAFTVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_000692255

KAAFRRLSENGENNSEPPLRRQPPAVYGEHDVVYVHAFTVSRPARKTKGLIMLQLSLNHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPFSNKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900078075
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHLFTVPRPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLPLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSRKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900075575
KAAFRRLSENGKNYSVPPLRRQPPAVYGEDGVYVHAFTVSRPARKTKGHVMLQLSLNHLTLAVSDLQKSINF
HELMGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEEDFEPFSQRLKQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMLFTSDEA
>GCA_001472955
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHAFTVSRPAQTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSRKLDQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001053395
KAAFRRLSENGENNSEPPLRRQPPAVYGEHVYVHLFTVSRPARKTKGLIMMQSFNHLTAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000390425
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHLFNVPVRPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFKPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000818625
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHAFTVSRPAQTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000958735
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVFAFTVSRPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001022575
KAAFRRLSEYGENYSVPPLRRQPPAVYGEHVYVHLFTVPRPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDDARQYVPPQESDYTHYAFTVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000515295
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHLFTVPRPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSRKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000692275
KAAFRRLSENEENYSVPPLRRQPPAVYGEHVYVHLFTVPCPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQVPPQESDYTHYAFTEEDFEPFSNKLEQAGATWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075115
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHLFTVPCPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLALHARWYTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075645
KAAFRRLSENGENYSVPPLRRQPPAVYGEHVYVHLFTVPCPARKTKGHVMLQLSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000770155

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVIVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076025

KAAFRRLSENGENNSEPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGLIMLQSLNHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEADFEPFSNKLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075565

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076935

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAFTRVAEADFEPFSQRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYTGMVFTSDKA
>GCA_000692235

KAAFRRLSENGKNYSVPPLRRQPPAVYGEHGVVYVHGKVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAFTRVAEEDFEPFSQRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900077795

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSQRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_900078065

KAAFRRLSENGEYYSVPLRRQPPAVYGEDGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEADFEPFSQRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYTGMVFTSDKA
>GCA_900077155

KAAFRRLSENGENISEPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGLIMLQSLNHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEADFEPFSNKLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000025565

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVTVWKQN
KSEGESFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000534455

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGLVMLQSLNHLTLAVSDLQKSVTFW
HELLGLPLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTRVTEEDFEPFSHRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076515

KAAFRRLSENGEYYSVPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLALAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVSEADFEPFSNKLEQAGITVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDA
>GCA_000286275

KAAFRRLSENGENNSEPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHIMLRSNLHHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQNVPPQESDYTHYAFTRVAEADFEPFSNKLEQAGVTVWKQN
KSEGSSFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001525285

KPPFGGYLKNEENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVGEEDFEPFSQRLEQAGVTVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900077305

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVTEEDFVAFSQKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001011715
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001472555
KPPFGGYLKNEENYSVPPLRRQPPAVYGEHVVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001187305
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSISFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTVAEADFEPEFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000952315
KAAFRRLSENGKNYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEADFEPEFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900077215
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFESFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900050915
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKKKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900075125
KAAFRRLSENGENNYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000692315
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPCPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900077005
KAAFRRLSENGENYSVPPLRRQPPAVYGEDGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSNLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPEFSQKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075195
KAAFRRLSENGKNYSAPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076275
KAAFRRLSENGEYYYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVSEADFEPEFSNKLEQAGITWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKTYAGMVFTSDEA
>GCA_000958205
KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001472895

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000966095

KAAFRRLSENGKNYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRNVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001190105

KAAFRRLSENGENNSEPPLRRQPPAVYGEHGVVYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSITFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEADFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000492715

KAAFRRLSENGENYSVPPLRRQPPAVYGEDGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVTEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGCLAARLAACREKPYAGMVFTSDEA
>GCA_000512375

KAAFRRLSENGENYSMPPLRRQPPAVYGEHGVVYVHEVTVPRLAQTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARGYVPPQESDYTHYAFTRVAAEDFEPFSHKLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_001487035

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHLFTVPRPARKTKGLVMLQSLNHLTLAVSDLQKSVTFW
HELLGLPLHARWNTGAYLTCGDLWVCLSFDEARQYVPPQESDYTHYAFTRVTEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYSGMVFTSDEA
>GCA_001631195

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHFFTCSRPARSKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARRVVPQESDYTHYAFTRVSEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000958805

KAAFRRLSENGEYYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVSEADFEPFSNKLEQAGITWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000315775

KAAFRRLSENGKNYSVPPLRRQPPAVYGEDGVVYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAFTRVAEEDFEPFSQRLKQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMLFTSDEA
>GCA_001055365

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_000784905

KAAFRRLSENGKNYSAPPLRRQPPAVYGEHGVVYVHAFTVSRPARKIKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMLFTSDEA
>GCA_001022695

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTRVAEEDFEPFSHRLEQAGIIVWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000952605

KAAFRRLSENGENYSVPPLRRQPPAVYGEHGVVYVHAFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFW
HELLGLTLHARWNTGAYLTCGDLWVCLSYDEAREYVPPQESDYTHYAFTRVAEADFEPFSQRLEQAGVTWKQN
KSEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000530005

VKAAFRRLSENGENYSVPPLRRQPPAVYGEDGVVVYVHAFTVPRPARKTKGHVMLQSLNHLTIAVSDLQKSVTF
WHALLGLTLHARWNTGAYLTCGELWVCLSYDEARRYVPPQESDYTHYAFTVAAEDFEPFSQRLEQAGVTWKQ
NKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYA
>GCA_001006645
ENYSVPPLRRQPPAVYGEHVYYVHLFTVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLALHAR
WNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAFTVSEADFEPFSQRLEQAGVTWKQNKSEGASFYLLD
PDGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_000264705
NYSMPPPLRRQPPAVYGEHVYYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLTLHARW
NTGAYLTCGELWVCLSYDEARQYVPPQESDYTHYAFTVAAEDFEPFSQRLEQAGVTWKQNKSEGASFYFLDP
DGHKLELVGSLAARLAACREKPYAGMVFTSDEA
>GCA_900075785
LRRQPPAVYGEHVYYVHLITVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLTLHARWNTGAYL
TCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEAFSQRLEQAGVIVWKQNKSEGASFYFLDPDGHKLE
LVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900075885
LRRQPPAVYGEHVYYVHLITVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLTLHARWNTGAYL
TCGELWVCLSYDEARQYVPPQESDYTHYAFTVAAEDFEPPLSQRLEQAGVIVWKQNKSEGASFYFLDPDGHKLE
LVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076925
LRRQPPAVYGEHVYYVHLITVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLALHARWNTGAYL
TCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPLSQRLEQAGVIVWKQNKSEGASFYFLDPDGHKLE
LVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900077575
LRRQPPAVYGEHVYYVHLITVSRPARKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLALHARWNTGAYL
TCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAEADFEPLSQRLEQAGVIVWKQNKSEGASFYFLDPDGHKLE
LVGSLAARLAACREKPYAGMVFTSDGA
>GCA_001052795
IMRTYKNKEELKEINRTYTKYILEFETIPEELKDKRVEEVDRTPAENLAYQVGWTNLILKWENDERNGLSVK
TPSDQFKWNQLGELYKWFNTNTYAHPLKELEEILNRNIDDINMMIDSMSDEDLFTAHKRKWADEATKTAVWEV
YKFIHVNTVAPFGTFRTKIRKWKRLAL
>GCA_900143315
MRTYESKEALIEAIQIASQKYLAFAEIPELKDRIETVAKTPSENLAYQLGWLNLLSWEEQEQRGLTVQT
PAEGYKWNQLGALYQSFYQAYGQMSLESQIALQDTLEKLLHWIDSLSDEFLPQQRRAWATTKAQWPLWKWI
HINSVAPFTSFRTQIRKWKKKACL
>GCA_000686165
VKAAFRRLSENGKNYSVPPLGRQPPAVYGEHVYYVHLFTVPRPARKTKGHVMLQSLNHLTLAVSDLQKSVSF
WHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAFTVAAEDYEVFSQRLEQAGVTWKQ
NKSEGRRSIFSTRTG
>GCA_000948705
YVHEVTVPRLAQKTKGHVMLQSLNHLTLAVSDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEAR
GYVPPQESDYTHYAFTVAAEDFEPFSHKLEQAGVTWKQNKSEGASFYFLDPDGHKLELVGSLAARLAACRE
KPYAGMVFTSDEA
>GCA_900076285
LYRITSGAKNKRHVMLQSLNHLTLAVSDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVP
PQESDYTHYAFTVTEEDFEPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELVGSLAARLAACREKPYA
GMVFTSDEA
>GCA_000389255
MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGASLPCGALWVCLSYDVSHLCGDLWVCLSYDVS
VAPQESDYTHYAFSIAPEDFEPFSCKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLTQCREKP
YSGMRF
>GCA_001078175

MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLHARWDNGAYFSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIA
EEDFALFVGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_001030775
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900083885
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900083605
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLHARWDNGAYFSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIA
EEDFALFAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLARRLAACREKPYKGMVFFGEDEQTG
P
>GCA_900083695
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EEDFAVFAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGSLAQRLLAACRAKPYKGMVFFGEDEQTAG
P
>GCA_000507385
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRKQPYKGMVFFGEDEQAAGN
P
>GCA_900075735
KAKGHVMLQLSNHHTLAVSDLQKSVTFWHELLGLTLHARWNTGAYLTGDLWVCLSYDEARQYVPPQESDYTH
YAFTVAEADFAPFSHRLEQAGVTWVKQNKSAGASFYFLDPDGHKLELHVGSLAARLAACREKPYAGMVFTSDE
A
>GCA_900083635
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDKGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRKQPYKGMVFFGEDEQAAGN
P
>GCA_001548355
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLHARWDNGAYFSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLARRLAACREKPYKGMVFFGEDEQTAG
P
>GCA_900083565
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLVVGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900083575
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900083625
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIA
EEDFALFVGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900083825
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTVISPEESDYTHYAFSIA
EADFAFLVVGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGTLAQRLLAACRKQPYKGMVFFGEDEQAAGN
P
>GCA_001065715

MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDKGAYFSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELVGNLAQRLAACRAKPYKGMVFFGEDEQTAGN
P
>GCA_001594375
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELVGNLAQRLAACRAKPYKGMVFFGEDEQAAGD
P
>GCA_000247855
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDKGAYFSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIA
EADFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELVGNLAQRLAACRAKPYKGMVFFGEDEQAAGN
P
>GCA_900084875
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAARLEVGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDDEVITGN
>GCA_001631845
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGESHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFFEDEVVTGN
>GCA_000281755
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFFEDEVVTGN
>GCA_001052235
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLHARWDNGAYFSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIA
EEDFAFLAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELVGNLARRLAACREKPYKGMVFLARTNRRPGT
>GCA_000492795
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDDEVVTGN
>GCA_000567605
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFFEDEVVTGN
>GCA_000693035
MLSGLNHHTLAVSQLAPSVAFYQQQLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDDEVVTGN
>GCA_000493135
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFAEQGALG
>GCA_000822465
MLSGLNHHTLAVSQLAPSVAFYQQQLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFAEQGALG
>GCA_001457255
MLSGLNHHTLAVSQLAQSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFAEQGALG
>GCA_000821705
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDEQGALG
>GCA_000565135
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDEQGALG
>GCA_000950145
MLSGLNHHTLAVSQLAPSVAFIISYSARCTRAGIAARIFPAAICGCACRWIPQRRVTPPEESDYTHYAFSISE
ADFASFAARLEVAGVAVWKLNSEGESHYFLDPDGHKLELVGNLAQRLAACREQPYKGMVFFGE
>GCA_000492435
GHVMLQSLNHHTLAVSDLQKSFTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRYVPPQESDYTHYAF
TVTEEDFEPFSQRLEQAGVTWKQNKEGASFYFLDPDGHKLELVGSLAARLAACREKPYAGMVFTSDGA
>GCA_900076565

GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAF
TVAEADFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDKA
>GCA_001270135
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAF
TAAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSNEA
>GCA_900078165
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAF
TVAEADFEPPFSQMLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_900075235
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEAHRYVPPQESDYTHYAF
TVAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_001631365
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHMGSIAARLAACREKPYAGMVFTSDEA
>GCA_900077405
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_001055165
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEAEFPFSNKLEQAGVIVWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_000492675
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQFVPPQESDYTHYAF
TVAEADFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_000783855
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAF
TVAEADFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_900075915
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLTLHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEADFEPPFSQRLEQADVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDKA
>GCA_900077895
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACHEKPYAGMVFTSDEA
>GCA_900076035
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARRVPPQESDYTHYAF
TVAEADFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDGA
>GCA_000492575
GHVMLQSLNHHTLAVIDLQKSVTFWHELLGLALHARWNTGAYLTCGDLWVCLSYDEARQYVPPQESDYTHYAF
TVAEEDFEPPFSQRLEQAGVTWKQNKSEGASFYFLDPDGHKLELHVGSIAARLAACREKPYAGMVFTSDEA
>GCA_000770295
MLTGMNHHTLAVIDLDRSLHFYRDILKMTLHTRWKYGAYLTCGELWICLSADPEIIHRPIHQGYTHYAFTLPP
EQFPAFRSLLAAHQITLWKRNRSEGDSVYFLDPDGHQLEAHSGGIQQRLDACREAPYEMIFPAPGQINV
>GCA_000966695
MLTGMNHHTLAVIDLDRSLHFYRDILKMTLHTRWKYGAYLTCGELWICLSADPEIIHRPIHQGYTHYAFTLPP
EQFPAFRSLLAAHQITLWKRNRSEGDSIYFLDPDGHQLEAHSGGIQQRLDACREAPYEMIFPAPGQINV
>GCA_900142745
MLTGMNHHTLAVIDLDRSLHFYHDILKMTLHTRWKYGAYLTCGELWICLSADPEIIHRPIHQGYTHYAFTLPP
EQFPAFRSLLAAHQITLWKRNRSEGDSVYFLDPDGHQLEAHSGGIQQRLDACREAPYEMIFPAPGQINV
>GCA_001006565
MLTGINHHTLAVIDLDRSLHFYHGILEMTLHARWKYGAYLTCGDLWICLSADPEIIHRPVHQGYTHYAFTLPP
ERFPAFRALLASHQITLWKRNRSEGDSVYFLDPDGHQLEAHSGGIQQRLNACREAPYEMIFPPTGQINV
>GCA_001462885
MLSGLNHHTLAVIDLSQLAPSVAFYQQLLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFASFAARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELHVGSIAQRLAACREQPYKGMVFFDEQGA
>GCA_001870615

MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELHVAVLPGWPPAANSRIRGWCFLISEAAS
>GCA_000694455
MLSGLNHHTLAVSQLAQSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVGLAQRЛАCREQPYKGMVFFDEQGA
>GCA_001274995
MLTGINHHTLAVADLDRSLHFYHGILEMTLHARWKYGAYLTCGELWICLSADPEIIRPVHQGYTHYAFTLPP
ERFPAPRALLASHQITLWKRKNRSEGDSVYFLDPDGHQLEAHSGGITQRLNACREAPYEMIFPPTGQINV
>GCA_000223435
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVGLAQRЛАCREQPYKGMVFFDEQGA
>GCA_001879345
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVAVSPSGWPPAASSRIRGWCFLNSEAAT
>GCA_900083615
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDKGAYFSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIA
EADFAFAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGNLAQRЛАACRAKPYKGMVFFGEDEQ
>GCA_000269585
MLSGLNHHTLAVSQLAPSVAFYQQLPGMTLRARWDNGAYFSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIA
EADFAFAGRLNAAGVPVWKTNKSEGASHYFLDPDGHKLELHVGNLAQRЛАACRAKPYKGMVFFGEDEQ
>GCA_001879415
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVAVSPSGWPPAASSRIRGWCFLNSEAA
>GCA_001674985
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVAVSPSVWPPAANSRIRGWCFLISEAA
>GCA_001621665
MLNALNHHTLAVSNLPASITFWRDLLGLRLHAEWHTGAYLTCGDLWLCLSYDETTRTFIPPQNSDYTHYAFSVE
PEHFDAVAQKLKDAGVTWKENKSEGASFYFLDPDGHKLELHVGLAARLAACREKPYAGMVFTSDEA
>GCA_000633515
MLTGMNHHTLAVADVDRSLHFYRDILEMTLHARWKYGAYLTCGELWICLSADPEIIRPVHQGYTHYAFTLPP
EQFPAPRSSLAAHQITLWKRKNRSEGNSVYFLDPDGHQLEVHSGGIQQRLDACREAPYEMIFPDNTGE
>GCA_000950365
MLTGMNHHTLAVADVDRSLHFYRDILEMTLHARWKYGAYLTCGELWICLSADPEIIRPVHQGYTHYAFTLPP
EQFPAPRSSLATHQITLWKRNRSEGNSVYFLDPDGHQLEVHSGGIQQRLDACREAPYEMIFPDNTGE
>GCA_001879425
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVAVSPSVWPPAANSRIRGWCFLISE
>GCA_001006635
MLHALNHHTLAVSHLPTSIAFWRDLLGLRLHAEWDTGAYLTCGDLWLCLSYDDARQYVPPQNSDYTHYAFSVA
PEHFDLTVQILTAANVTWWDNKSEGASFYFLDPDGHKLELHVGLAARLAACREKPYAGMVFTADD
>GCA_900085185
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDSDGHKLELHVGLAQRЛАCREQPYKGMVFFDQ
>GCA_000692995
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPSEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELHVGLDQRLAACREQPYKGMVFFDQ
>GCA_000566845
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLLDPQRRTPPEESDYTHYAFSISE
ADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVGLAQRЛАACREQPYKGMVFFDE
>GCA_001970155
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELHVGLAQRЛАACREQPYKGMVFFEE
>GCA_001033665

MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWESGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDG
>GCA_001033805
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWESGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_001062535
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_001936035
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDE
>GCA_000805735
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_900093305
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWESGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFACTARLEVGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYRGMVFFDQ
>GCA_000383335
MLSGLNHHTLAVSQLAPSVAFYRRLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFEE
>GCA_900093015
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGAAIWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_001011295
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGSLAQRRAACREQPYKGMAFFGE
>GCA_900085435
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWESGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYRGMVFFDQ
>GCA_001011385
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEVAGVALWKLNRSEGESHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFGE
>GCA_000754345
MLIGINHHTLAVSDIQLSISFYQTVLGMLHASWERGAYLTCGALWVCLSYDPMRQEVAAKRRDYTHYAFTV
SAEDFSIVEKLHQAGVTWKDNRSEGDSYFLDPDGHQLEIHVGSLIDRLKSCRKKPYDGMVFYS
>GCA_900084795
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRIIPPEESDYTHYAFSIS
EADFASFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_000822705
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFAE
>GCA_001914065
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFDQ
>GCA_000220485
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRAACREQPYKGMVFFEQ
>GCA_000334515
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFTSFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGSLAQRRAACREQPYKGMAFFGE
>GCA_000957705
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAGFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGSLAKRLAACREQPYKGMVFFGE
>GCA_001631345

MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVSNLQAQRLAACREQPYKGMVFFEE
>GCA_000822225
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFAE
>GCA_000936205
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLDRLAACREQPYKGMVFFDQ
>GCA_001530015
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSPDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001071835
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001463185
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAFCFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDQ
>GCA_000412575
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001011515
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_000692155
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_000827665
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFARFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001011595
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAKRLAACREQPYKGMVFFGE
>GCA_000492835
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFARFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001066095
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_900085315
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFAE
>GCA_001631815
MLSGLNHHTLAVSQLAPSVAFYHQLLGITLHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFASTARLEVAGVAVWKLNRSEGESYYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFGE
>GCA_001011795
MLSGLNHHTLAVGQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLESAGVAVWKLNRSEGESYYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001011355
MLSGLNHHTLAVSQLAPSAAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRVTPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001034045
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELHVGSLAQRLAACREQPYKGMVFFDE
>GCA_001597035

MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFAE
>GCA_900084815
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPSEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001720645
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYPHYAFSIS
EADFASSAARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_000019565
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001006555
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGNLAQRLAACREQPYKGMVFFGD
>GCA_000723925
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESNYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_001312905
MLSGLNHHTLAVSSLAPSVAFYLQLLGMTLHARWDGGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSVA
EADFAGFSARLETAGVAVWKVNRSSEGASYYFLDPDGHKLELVGSLALRLAACREQPYKGMVFYDE
>GCA_900083685
MLSGLNHHTLAVSSLAPSVAFYHQLLGMTLHARWDGGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSVA
EADFAGFSARLETAGVAVWKVNRSSEGASYYFLDPDGHKLELVGSLALRLAACREQPYKGMVFYDE
>GCA_000534135
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGNLPQRLAACREQPYKGMVFFGE
>GCA_000263095
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_001011915
MLSGLNHHTLAVSQLAPSVAFYHQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGNLAQRLAACREQPYKGMVFFEE
>GCA_000255975
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_000783515
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEAAGVAIWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFEQ
>GCA_000492215
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_001031245
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFAE
>GCA_000492475
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPSEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_000474015
MLSGLNHHTLAVSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAARLEAAGVAIWKLNRSEGASHYFHPDGHKLELVGSLAQRLAACREQPYKGMVFFAE
>GCA_001888205
MLIGINHHTLAVSDIQLKSISFYQTVLGMQLHASWERGAYLTCGALWVCLSYDPMRQEVAAKCRDYTHYAFTV
SAEDFSIVEKLHQAGVTWKNRSEGDSFYFLPDGHQLEIHVGSLIDRLKSCRKKPYDGMVFYS
>GCA_001006575

MLSGLNHHTLAVSQLAPSVAFYQHLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLDQRLAACREQPYKGMVFFDQ
>GCA_000409715
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000755545
MLSGLNHHTLAVSQLAPSVAFYRRLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGNLAQRRLAACREQPYKGMVFFEE
>GCA_000367165
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFARFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000694735
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLDQRLAACREQPYKGMVFFDQ
>GCA_001666015
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLGAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFEQ
>GCA_900084115
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYIHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDE
>GCA_001033975
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDSTGYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000821545
MLSGLNHHTLAVSQLAPGVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000956775
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAGFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFGE
>GCA_001280925
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFARFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLVQRLAACREQPYKGMVFFDQ
>GCA_000219945
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000498775
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_001030055
MLSGLNHHTLAVSQLAPSVAFYHQLIGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGNLAQRRLAACREQPYKGMVFFGE
>GCA_000493115
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EVDFASFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDQ
>GCA_000693815
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDTQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFEQ
>GCA_001974865
MLSGLNHHTLAVSQLAPSVAFYHQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAGFAARLEVAGVAVWKLNRSEGESHYFLDPDGHKLELVGNLAQRRLAACREQPYKGMVFFGE
>GCA_001373075
MLSGLNHHTLAVSQLAPSVAFYQQLLGMLTHARWDMSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRRLAACREQPYKGMVFFDE
>GCA_000822485

MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001968995
MLIGINHHTLAVSDIQKSISFYQTVLGMLHASWERTGAYLTCGALWVCLSYDPMRQEVAAKRRDYTHYAFTV
SAEDFSDIVEKLHQAGVTWVKDNCSEGDSFYFLDPDGHQLEIHVGLLIDRLKSCRKKPYDGMVFYS
>GCA_000714635
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPSEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_001404095
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_900084085
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACCEQPYKGMVFFAE
>GCA_900092875
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_000692955
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSIS
EADFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGIVFFDE
>GCA_000349245
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSISE
ADFAARLEVADVAWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_900119335
MLSGLNHHTLAVSQLAPSVAFYRRLLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGESHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFIE
>GCA_001894545
MLQGLNHNHTLAVSDLASSLAFYQQLPGMRLHASWDGAYLSCGALWLCLSLDPQRRKTPQESDYTHYAFSVA
EEEFAGVVALLAQAGAEVWKDNRSEGASYYFLDPDGHKLELVGNLAQRLAACRERPYKGMVFD
>GCA_001549975
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPLEESDYTHYAFSISE
ADFAARLEVAGVAVWKLNSEGASHYVLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_900093395
MLSGLNHHTLAVSQLAPSVAFYQQQLGMLTHARWESGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGASHYFLDTDGHKLELVGSLAQRLAACREQPYKGMVFFD
>GCA_900086385
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPSEESDYTHYAFSISE
ADFAARLEVAGVAVWKLNSEGASHYFLDLDGHKLELVGSLDQRLAACREQPYKGMVFFDQ
>GCA_000986855
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWESGAYLSCGDLWLCLSLDPQRRITPSEESDYTHYAFSISE
ADFAARLEVAGVAVWKLNSEGASHYFLDLDGHKLELVGSLAQRLAACREQPYKGMVFFDQ
>GCA_000492415
MLSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWESGAYLSCGDLWLCLSLDPQRRITPPEESDYTHYAFSIS
EADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGNLAQRLAACREQPYRGMVFFD
>GCA_001006625
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRITPSEESDYTHYAFSISE
ADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLDQRLAACREQPYKGMVFFDQ
>GCA_001548315
LSGLNHNHTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRVTPEESDYTHYAFSISE
ADFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELVGSLAQRLAACREQPYKGMVFFDE
>GCA_000804345
MLQGLNHNHTLAVSDLASSLAFYQRPLPGMRLHARWDSGAYLSCGALWLCLSLDAQRKTPAQESDYTHYAFSVA
EEHFAEVVAQLAHAGAEVWKDNRSEGASYYFLDPDGHKLELVGHLAQRLAACRERPYKGMVFFD
>GCA_900084895

LSGLNHLTLAVSQLAPSVAFYQQLLGMTLHARWDSGAYLSCGDLWLCLSLDPQRRTPPEKSDYTHYAFSISE
ADFARFAARLEVAGVAVWKLNSEGASHYFLDPDGHKLELHVGLAQRRAACREQPYKGMVFFDQ
>GCA_000496775
MLSTLNHLTLAVSDLARSVDFYHQLLGLKLHARWDNGAYLTCGDIWICLVSDEARRVTPAEQSDYTHYAFSIS
EGELAAFITRLEQAGVVSWKVNKSEGASYYFLDPDGHKLEAHVGDLAQRRAACRAKPYKGMVFF
>GCA_001059375
LKSINHICFSVRNLNDSIHFYRDILLGKLLFTGKTAYFELAGLWIALNEEKDIPRNEIHFSYTHIAFTIDDS
EFKYWHQRLKDNNVNILEGRVRDIRDRQSIYFTDPDGHKLELHTGTLEDRLNYYKEAKPHMTFY
>GCA_000956895
MLSGLNHLTLAVSQLAPSVAFYHQLLGMTLHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNSEGESHYFLDPDGHKLELHVGLAQRRAACREQPYKGMVFF
>GCA_001631605
MLSGLNHLTLAVSQLAPSVAFYHQLLGMTLHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEVAGVAVWKLNSEGESHYFLDPDGHKLELHVGLAQRRAACREQPYKGMVFF
>GCA_000297835
MLTDLNHLTLAVNDVKKSFHFYVEVLGFKPLALWDHGAYLQLNTLWLCLSEDTRNITEISDYTHYAFSIS
FETFKQHLSHGITSWKENKSEGDSFYFYDPDNHKLEIHVGDLERLKTCRQYPYSGMQFFDNK
>GCA_001853385
MLLGINHLTLIAVTNVEKSIYFYHHILGMHLHASWKNGAYLTCGELWVCLSFPQRHHVDPDTTDYTHYAFSIS
ENDFLSVVEKLQQFDVKVWKDNRSEGASFYFLDPDGHKLEIHVGSLLDRLKSCLVHPYEEMKFY
>GCA_000158055
MLNGINHLTLAVTDLEKSIGFYQSLLGMKLHASWKKGAYISCGLWLCLSLDIRQFSSPEKTDYTHYAFNVD
AKDFLIVVDRLMQANVIVWKENKSEGDSFYFLDPDGHKLELHVGGLLQRLKSCQEKPYPEEMKFY
>GCA_001076695
MLTDLNHLTLAVNDVKKSFHFYVEVLGFKPLALWDHGAYLQLNTLWLCLSKDTRNITEISDYTHYAFSIS
FETFKQHLSHGITSWKENKSEGDSFYFYDPDNHKLEIHVGDLERLKTCRQYPYSGMQFFDNK
>GCA_000314835
MLNGINHLTLAVTDLDSISFYQSLLGMKLYASWKKGAYISCGLWLCLSLDTTRQFLSPEKTDYTHYAFNVD
AKDFLIVVDRLMQANVIVWKENKSEGDSFYFLDPDGHKLELHVGGLLQRLKSCQEKPYPEEMKFY
>GCA_001680125
MLNGINHLTLAVTDLDSISFYQSLLGMKLHASWKKGAYISCGLWLCLSLDTTRQFLSPEKTDYTHYAFNVD
AKDFLIVVDRLMQANVIVWKENKSEGDSFYFLDPDGHKLELHVGGLLQRLKSCQEKPYPEEMKFY
>GCA_001011625
MLSGLNHLTLAVSQLAPSVAFYHQLLGMTLHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEVAGVAVWKLNSEGESHYFLDPDGHKLELHVGLAQRRAACREQPYKGMVFF
>GCA_000530175
MLSGLNHLTLAVSQLAPSVAFYQQLLGMMLHARWDSGAYLSCGDLWLCLSLDPQRRTPPEESDYTHYAFSIS
EADFASFAARLEAAGVAVWKLNSEGASHYFLDPDGHKLELHVGLAQRRAACREQPYKGDGVF
>GCA_000805715
MLVGINHLTLIAVTDVEKSIFFYQSLLGMKLHASWKNGAYISCGLWLCLSLDKTRLSFSHETDYTHYAFTVS
EADFPICVAKLKQANVIVWKENKSEGKSFYFLDPDGHKLELHVGGLLQRLKSCQEAPYEGMKFY
>GCA_000020885
MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSRYVAPQESDYTHYAFSIA
PEDFEPPFSCKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELHVGLASRLTQCREEKPYSGMRF
>GCA_001474655
MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSRYVAPQESDHHTHYAFSIA
PEDFEPPFSCKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELHVGLASRLTQCREEKPYSGMRF
>GCA_000190795
MLQSLNHLTLAVSNLQSSLTFWRDLLGLQLHAEWGTGAYLTCGDLWVCLSYDVSRSYVAPQKSDYTHYAFSIA
PEDFEPPFSYKLKQSGVTWKDNKSEGQSFYFLDPDGHKLELHVGLASRLAQCRERPYSGMRF
>GCA_001474845
MLQSLNHLTLAVSKLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSNCNYVAPQECDYTHYAFSIA
PEDFEPPFSYKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELHVGLASRLAQCREKPYSGMRF
>GCA_000020705

MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSCNYVAPQECDYTHYAFSIA
PEDFEPFSYKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLAQCREKPYSGMRF
>GCA_000487235

MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHVEWDTGAYLTCGDLWVCLSYDVSRNYVAPQESDYTHYAFSIA
PEDFEPFSYKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLTQCRERPYSGMRF
>GCA_001903595

MLSGLNHLTLAVSRLAPSVAFYHQLLGMTLHARWDGGAYLACGDLWLCLSLDPQRRTPPEESDYTHYAFSIA
EADFGVAARLEVAGVTMWKMNRSSEGASYYFLDPDGHKLELVGSLAQRЛАCREQPYKGMVF
>GCA_001309675

VIQSLNHLTLAVSNLQSSLTFWRDLLGLQLHAEWGTGAYLTCGDLWLCLSYDVSRSYVAPQKSDYTHYAFSIA
PEDFEPFSYKLKQSGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLAQCRERPYSGMRF
>GCA_001880915

MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWETGAYLTCGDLWICLISYDVSRNYVAPQESDYTHYAFSIT
PEDFESFSYKLKQSGVTWKENKSEGQSFYFLDPDGHKLELVGDLASRLAQCREKPYSGMRF
>GCA_001569625

MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSRNYVAPQESDYTHYAFSIA
PEDFEPFSCKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLTQCRERPYSGMRF
>GCA_001034065

LSGLNHLTLAVSQLAPSVAFYQQLLGMTLHARWDGGAYLSCGDLWLCLSLDPQRRTPSEESDYTHYAFSISE
ADFASFAARLEVAGVAVWKLNRSSEGASHYFLDPDGHKLELVGSLDQRЛАCREQPYKGMVFL
>GCA_001537405

MLQSLNHLTLAVSNLQSSLAFWRDLLGLQLHAEWDTGAYLTCGDLWICLISYDVSRNYVAPRESDNTHYAFSIA
PEDFEPFSYKLKQSEVMVWKANKSEGQSFYFLDPDGHKLELVGDLASRLAQCMAPYSGMFL
>GCA_000486835

MLQSLNHLTLAVSNLQTSLTFRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSRNYVAPQESDYTHYAFSIA
PEDFEPFSCKLKQAGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLAQCREKPYSGMRF
>GCA_000529745

ILQSLNHMLAVSNLQSSLFRDLLGLQLHAEWDTGAYLTCGDLWICLISYDVSRNYVATQEGDYTHYAFSIAP
EDFESFSYKLKQAGVTWKDNKSEGQSFYFLDPDGHKSELVGDLASRLVQCRERLYSGMRF
>GCA_000791765

MFTGLNHLTLAVADLPASIAFYRDLIGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPVADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDILRSRLAACRQAPYAGMRFAD
>GCA_001902635

MLTGLNHLTLAVSDLDRSFDFYHRLLGFTPHARWQGGYLSLGALWLCLSDEARTQQSARDYTHYAFSVAPE
HIERVSERLRQNGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000215775

MLTGLNHLTLAVADLPASIAFYRDLIGFRLEARWDQGAYLELGLSLWLCLSREPQCGGPAAODYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDILRSRLAACRQAPYAGMRFAD
>GCA_001554535

MLTGLNHLTLAVADLPASIAFYRDLIGFRLEARWDQGAYLELGLSLWLCLSREPQCGGPAAODYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDILRSRLAACRQAPYAGMRFAD
>GCA_900146525

MLTGLNHLTLAVADLPASIAFYRDLIGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDILRSRLAACRQASYAGMRFAN
>GCA_000342205

MLTGLNHLTLAVSNLDRSFDFYRHLIGFIPHARWQGGAYLSLGPLWLCLSDEARMQQRERDYPHYAFSVAPE
HIEQVSERLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001432595

MKLSGLNHLTISVANVDRIFNFYKDILGFTP KAKWKGAYLSLGELWLCLSDEVSVSSDYTHYCLSI SEDDI
NEFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHGNLSTRLES CRKNPYEGMVFFDE
>GCA_000783975

MLTGLNHLTLAVSDLDRSFDFYRHLIGFTPHARWQGGAYLSLGTLWLCLSDEARTQPRARDYTHYAFSVAPE
HIERVSERLRQSGAEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001453145

MLTGLNHLTLAVAELPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAHLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000793005

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAHLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000783275

MLTGLNHLTLAVADLPVSIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAHLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001536545

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSLDERRTQQRERDYTHYAFSVAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001537565

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSLDERRTQQRERDYTHYAFSIAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000297575

MKLSGLNHLTISVANVDRSFNFYKDILGFTP KAKWKKGAYLSLGKLWLCLSLDEVS VSSDYTHYCLSISEDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHGNLSTRLES CRKNPYEGMVFFDE
>GCA_001536585

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSLDEKRTQQRERDYTHYAFSVAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGYQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001077565

MKLSGLNHLTISVANVDRSFNFYKDILGFTP KAKWKKGAYLSLGELWLCLSLDEVS VSSDYTHYCLSISEDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHGNLSTRLES CRKNPYEGMVFFDE
>GCA_000793665

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLRLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001547955

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPSAGMRFAD
>GCA_000629605

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000796065

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFVD
>GCA_001060335

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSRDEARAQQSARDYTHYAFSVAPE
HIEQVSERLRQSGVK EEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001063125

MLTGLNHLTLAVSNLDRSFDFYRHLGGFIPHARWQGGAYLSLGWLCLSLDEARMQQRERDYTHYAFSVAPE
HIEQVSERLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001065405

MLTGLNHLTLAVSNIDRSFDFYRHLGGFIPHARWQGGAYLSLGWLCLSLDETRMQQRERDYTHYAFSVAPE
HIEQVSERLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQDMVFY
>GCA_001889685

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSLDEARTQPRARDYTLYAFSVAPE
HIERVUSERLRQSGAEWEWSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001454395

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYVGMR FAD
>GCA_000633715

MLTGLNHLTLAVSDLDRSFDFYRHLGGFTPHARWQGGAYLSLGWLCLSLDEKRTQQRERDYTHYAFSVAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000468935

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000148745

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAN
>GCA_000797285

MLTGLNHLTLAIADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000581995

MKLSGLNHLTISVANVDRSFNFYKDILDFTPKAKWKGAYLSLGELWLCLSDEVSISSDYTHYCFISEDNI
DEFRQKIKMMNIREWKNQSEGESIYFLDPDGHKLEVHGVLSTRLESCRKNPYEGMVFFDE
>GCA_000738535

MLTGLNHLTLAVSDLRSFDFYRHLGGFTPBARWQGGAYLSLGALWLCLSDEARMLPRERDYTHYAFSVAPE
HIERVSELRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001007555

MLTGLNHLTLAVSDLRSFDFYRHLGGFTPBARWQGGAYLSLGALWLCLSDEARTPPRARDYTHYAFSVAPE
HIERVSELRQSGAEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000418815

MLTGLNHLTLAVSDLRSFEFYRHLGGFTPBARWQGGAYLSLGALWLCLSDEARAQQSARDYTHYAFSVAPE
HIEQVSELRQNGVKEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001672055

MLTGLNHLTLAVSNLDRSFDFYRHLGGFIPHARWQGGAYLSLGPLWLCLSDETRMQQHERDYTHYAFSVAPE
HIEQVSELRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAAAYREKPYQGMVFY
>GCA_000341565

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001444845

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRNEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000791705

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAHRLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000794725

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_0014449435

MLTGFNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYDGPAEDYTHYAFGIAAAD
FARFAAHRLRGHGVREWQNRSEGDSFFLDPDGHRLAEHVGDLSRLAACRQTPYAGMRFAD
>GCA_001294565

MLTGLNHLTLAVSDLRSFDFYRHLGGFTPBARWQGGAYLSLGSLWLCLSLDERRTQQHERDYTHYAFSVAPE
HIEQASQQLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001537145

MLTGLNHLTLAVSDLRSFDFYRHLGGFTPBARWQGGAYLSLGPLWLCLSDEKRTQQHERDYTHYAFSVAPE
HIEQASQQLRQAGVKEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000647635

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000506005

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000481865

MLTGLNHLTLAVADLPASIAFYRDLGGFRLEARWDKGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQPRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000408865

MLTGLNHLTLAVADLPASIAFYHDLGGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000481205

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001067375

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDERRTQQRERDYTHYAFSIAPE
HIEQASQRLRQAGVKEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000521905

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDDEARTQPRARDYTHYAFSVAPE
HIERVSE RL RQSGAEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000359505

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIATAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000783915

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDERRTQQHERDYTHYAFSVAPE
HIEQASQRLRQAGV EEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001068085

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS DEARAQQSARDYTHYAFSVAPE
HIEQVSE RL RQNGVKEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001578415

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHAFGIAAADF
ARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000481065

MLTGLNHLTLAVADLPASIAFYRDLLGFRRLKARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001066075

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQCGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLLDGDHRLEAHVGDLRSRLAACRQAPYAGMRFAD
>GCA_000292365

MLTGLNHLTLAVHDLLRSVDFYHHLLGFIPHARWQGGAYLSIGSLWLCLS DESRTPQNARDYTHYAFSVAPE
HMEQVSE RL RQSGVEEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREI PYQGMVFY
>GCA_000521925

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDERRTQQHERDYTHYAFSVAPE
HIEQASQRLRQAGV EEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001060585

MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDERRTQQRERDYTHYAFSVAPE
HIEQASQRLRQAGIEEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000481405

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYVFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001750225

MLSGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001643155

MLTGLNHLTLAVSDLDRSVEFYRHL LGFTPHARWQGGAYLSIGSLWLCLS LDDESRTQQRERDYTHYAFSVAPE
HIERVSE RL RQNGVKEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000258285

MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLS WLCLSREPQCGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWKQRSEGDSFYFLDPDGHRLAHVGDLRSRLAACRQAPYAGMRFAD
>GCA_001756295

MLTGLNHLTLAVSNLDRSFDFYRHL LGFI PHARWQGGAYLSLEPLWLCLS LDDETRMQQRERDYTHYAFSVAPE
HIEQVSE RL RQAGV EEWKS NRSEGESLYFLDPDGHQLEIHAGDLASRLAACRKPKPYQGMVFY
>GCA_000783615

MLTGLNHLTLAASDLDRSFEFYRHLGFTPHARWQGGAYLSLGALWLCLSDEARAQQSARDYTHYAFSVAPQ
HIEQVSELRQNGVKEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001975745
MLIGLNHLTLAVSNLDRSFDFYRHLGFIIPHARWQGGAYLSLGPLWLCLSDETRMQQRERDYTHYAFSVAPE
HIEQVSELRQAGVEEKWSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000264275
MLTGLNHLTLAVSNLDRSFDFYRHLGFIIPHARWQGGAYLSLGPLWLCLSDETRMQQRERDYTHYAFSVAPE
HIEQVSELRQAGVEEKWSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000756575
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQCGGPAADYTHYAFGIDAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001909165
MLTGLNHLTLAVQDLDLRSVDFYHHLLGFIIPHARWQGGAYLSLGALWLCLSVDERSTPQNARDYTHYAFSVAPE
HMEQVSELRQSGVEEKWSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACRENPYQGMVFY
>GCA_001065325
MLTGLNHLTLAVSNLDRSFDFYRHLGFIIPHARWQGGAYLSLGPLWLCLSDETRMQQRERDYTHYAFSVAPE
HIEQVSELRQAGVEEKWSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACRKPKYQGMVFY
>GCA_000792095
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFTAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000791825
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000506285
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQCDGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAHVGDLRSRLAACRQAPYAGMRFAD
>GCA_001061875
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000369025
MKLSGLNHLTISVANVDRSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEVSITSDYTHYCFISIEDHI
DAFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHGNLSSRLESCKNPYEGMVFFDE
>GCA_000790655
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYMHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000790685
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHCAFRIA
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000186665
MKLSGLNHLTISVANVDRSFNFYKDILGFTPRAKWWKGAYLSLGELWLCLSDEVSISSDYTHYCFISIEDNI
DEFRQKIKMMNIREWKNQSEGESIYFLDPDGHKLEVHGNLSTRLESCRKNPYEGMVFFDE
>GCA_001554585
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYAHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_001431165
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAHRLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000481185
MLTGLNHLTLAVADMPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000226155
MLTGLNHLTLAVAVLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000796505

MLTGLNHLTLAVADLPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYGRPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAECRQAPYAGMRFAD
>GCA_001415145
MKLSGLNHLTISVENVDRSFSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEV RITS DYTHYCF SISEDDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPNGHKLEIHVGNLSTRLDSCCKNPYEGMVFFDE
>GCA_900083925
MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSLGALWLCLSREDEARAQQSARDYTHYAFS VAPD
HIEQVSRRLQSGVKEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_900144765
MLTGLNHLTLAVAE LPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTYYAFGIAAAD
FARFAAHRLRAHGVHEWKQN RSEGDSFYFLDPDGHRLAECRQAPYAGMRFAD
>GCA_001536365
MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSLGSLWLCLSLDERRTQQRERDYTHYAFSVAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_001066015
MLTGLNHLTLAVSDLDRSFDFYRHL LGFTPHARWQGGAYLSLGSLWLCLSLDERRTQQHERDYTHYAFSIAPE
HIEQASQRLRQAGVEEWKSNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000714515
MLTGLNHLTLAVADLPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREP PGGPAADYTHA FGIAAADFAR
FAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAHVGDLRSRLAACRQAPYAGMRFAD
>GCA_001539985
MLTGLNHLTLAVSNLDRSFDFYRHL GFIPHARWQGGAYLSLGPLWLCLSLD ETRM QQRERDYTHYAFSVAPE
HIEQVSRRLQAGVEEWKNNRSEGESLYFLDPDGHQLEIHAGDLASRLAACREKPYQGMVFY
>GCA_000568235
MLTGFNHLTTLAVADLPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYDGP AEDYTHYAFGIAAAD
FARFAAHRLRGHVREWQNRSEGDSFYFLDPDGHRLAECRQTPYAGMRFAD
>GCA_000399685
MKLSGLNHLTISVENVDRSFSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEVSISSDYTHYCF SISEDDI
DEFRQKIKLMNIHEWKNNQSEGESIYFLDPDGHKLEVHVTLSRLQSCKNPYEGMVFFDE
>GCA_000399705
MKLSGLNHLTISVENVDRSFSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEVSISSDYTHYCF SISEDDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHVTLSRLQSCKNPYEGMVFFDE
>GCA_900148255
MLTGLNHLTLAVADLPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAECRQAPYAGMRF
>GCA_000588275
MKLSGLNHLTISVENVDRSFSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEVSISSDYTHYCF SISEDDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPDGHKLEVHVGNLSSRLQSCKNPYEGMIF
>GCA_900144795
MLTGLNHLTLAVAE LPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTYYAFGIAAAD
FARFAAHRLRAHGVHEWKQN RSEGDSFYFLDPDGHRLAECRQAPYAGMRF
>GCA_000480725
MLTGLNHLTLAVADLPASIAFYRDLGFRLEARWDQGAYLELGLS WLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAECRQAPYAGMRF
>GCA_001867255
LTGLNHTIAANDISRSFN FYVEILGFTP KARWATGAYLCLGDLWLCLSAEKVSSRGDYTHYAFSIQSEDFDR
FANHLKSCGITEWKS NKSEGKSIYLLDPDGHKLEIHGD LVSRLNSCMKHPYEDMIFFN
>GCA_000191145
MKLSGLNHLTISVENVDRSFSFYKDVLGFTPRAKWNKGAYLSLGELWLCLSDEV RITS DYTHYCF SISEDDI
DEFRQKIKLLNIREWKNQSEGESIYFLDPNGHKLEVHVGNLSTRLDSCCKNPYEGMV
>GCA_000831565
TTSVSNLQSSLTFWRD LGLQLHAEWTGAYLTCGDLWLCLS YDVSRSYVAPQKSDYTHYAFSIA PEDFEPFS
YKLKQSGVTVWKDNKSEGQSFYFLDPDGHKLELHVGD LASRLAQC RERP YSGMRF
>GCA_000633025

MLSGLNHHTLAVALSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAASFAARLEAAGVIAWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAACRE
>GCA_000791025
AYRTSPVGRRLRNVRDASRLLGPVLRRFTEAYPDLQLELSVEDRMVDIVADGYDAGIRYGGTVPQDMVAVP
LTGELRWVKQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRF
>GCA_000412735
MLTGLNHHTLAVALDLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAP
>GCA_000372625
MLSGLNHHTLAVALSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAASFAARLEVAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLAAC
>GCA_900144895
MLTGLNHHTLAVALDLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTYYAFGIAAAD
FARFAAHLRAHGVHEWKQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQA
>GCA_900144845
MLTGLNHHTLAVALDLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTYYAFGIAAAD
FARFAAHLRAHGVHEWKQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQ
>GCA_000498215
VSNLQSSLTFWRDLLGLQLHAEGTGAYLTCGDLWLCLSYDVSRSYVAPQKSDYTHYAFSIAPEDFEPFSYKL
KQSGVTWKDNKSEGQSFYFLDPDGHKLELVGDLASRLAQCRERPYSGMRF
>GCA_001399815
MLSGLNHHTLAVALSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAASFAARLEAAGVAVWKLNRSEGASHYFLDPDGHKLELVGSLAQRLA
>GCA_001067795
LCMCLSRSRRVQPLARWSSITCQNSLRADSIAFFAGTRSRAIRLTYAFGIAAADFARFAAQLRAHGVREWQ
NRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRF
>GCA_000465635
MKLSGLNHHTISVANVDRSFNFYKDVLGFTPKAkwkkgaylslgelwlclsdevsisdythyclsisedni
DEFRKIKMMNIPEWKTNQSEGESIYFLDPDGHKLEVHGNLSSRLESCKK
>GCA_000572265
DLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAADFARFAAQLRAHGV
REWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAACRQAPYAGMRFAD
>GCA_000414255
MLTGLNHHTLAVALDLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHVGDLSRLAA
>GCA_001641855
SLTFWRDLGLQLHAEGTGAYLTCGDLWLCLSYDVSRSYVAPQKSDYTHYAFSIAPEDFEPFSYKLKQSGVT
VWKDNKSEGQSFYFLDPDGHKLELVGDLASRLAQCRERPYSGMRF
>GCA_000350325
MLSGLNHHTLAVALSQLAPSVAFYQQLLGMTLHARWDMSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFAASFAARLEAAGVIAWKLNRSEGASHYFLDPDGHKLELVH
>GCA_001268725
FAGVAAHAEDTGAYLTCADLWICLSDVSRNYVAPQESDYTHYAFSIAAEDFEPFAYKLKQAGVTWKDNKSE
GQSFYFLDPDGHKLELVHDLASRLEQYREKPYSGMRF
>GCA_001975285
MLQSLNHHTLAVALSNLQTSLTFWRDLLGLQLHAEWDTGAYLTCGDLWVCLSYDVSRSYVAPQESDYTHYAFSIA
AEDFEPFSYKLKQSGVTWKDNKSEGQSFYFVDPDGHKL
>GCA_000615565
MLTGLNHHTLAVALDLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAAAD
FARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRL
>GCA_001247585
LTAEWDTGAYLTCGDLWVCLSYDVSCNYVAPQECDYTHYAFSIAPEDFEPFSYKLKQAGVTWKDNKSEGQSF
YFLDPDGHKLELVGDLASRLAQCREKPYSGMRF
>GCA_001750425

LEARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAADFARFAAQLRAHGVREWQNRSEGDSFYFL
DPDGHRLAEHGDLRSRLAACRQAPYAGMRFAD
>GCA_001605875
EARWDQGAYLELGLSLWLCLSREPQYGGPAADYTHYAFGIAAADFARFAAQLRAHGVREWQNRSEGDSFYFLD
PDGHRLAEHGDLRSRLAACRQAPYAGMRFAD
>GCA_000603845
AEWDTGAYLTGDLWVCLSYDVSCNYVAPQECDYTHYAFSIAPEDFEPEFSYKLKQAGVTWKDNKSEGQSFYF
LDGDGHKLELHVGDLASRLAQCRCRKPYSGMRF
>GCA_001037435
WKHAGTRAPISNWVHCGCACPGSRSTAGRPRTTYAFGIAAADFARFAAQLRAHGVREWQNRSEGDSFYFLDP
DGHRLEAHVGDLRSRLAACRQAPYAGMRFAD
>GCA_001045515
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLSLCLSREPQYGGPAADYSVHDQPLPLRH
AGTRSRRETRPASAVPYL
>GCA_001061585
GYTNFPDLICHSHPYQTENNTVQYAFGIAAADFARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLEAHVG
DLRSRLAACRQAPYAGMRF
>GCA_000300735
LSYDVSRYVATQEGDYTHYAFSIAPEDFESFSYKLKQAGVTWKDNKSEGSFYFLDPDGHMLELHVGDLASR
LVQCRERLYSGMRF
>GCA_000188335
LSYDVSRYVAPQECDYTHYAFSIAPEDFEPEFSYKLKQAGVTWKDNKSEGQSLYFLDPDGHKLELHVGDLAS
RLAQCREKPYSGMRF
>GCA_001777135
MLSGLNHLTLAVSQLAPSVAFYQQLLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFASFAPALR
>GCA_001766715
MLSGLNHLTLAVSQLAPSVAFYQQLLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFASFAPALR
>GCA_900085705
MLSGLNHLTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFASFAPALR
>GCA_001901735
MLSGLNHLTLAVSQLAPSVAFYQQQLGMLTHARWDSGAYLSCGDLWLCLSLDPQRRTVPPEESDYTHYAFSIS
EADFASFAPALR
>GCA_001061895
MLTGLNHLTLAVADLPARIAFYRDLLGFRLEARWDQGAYLELGLSLCLSREPQYGGPAADYTHRRADNAIGV
I
>GCA_001893225
PQESDYTHYAFSVAEEEFAGVVALLAQAGAEVWKDNRSEGASYYFLDPDGHKLELHVGNLAQRLAACRERP
GMVFFD
>GCA_000617365
AYQKSDYTHYAFSIAPEDFEPEFSYKLKQSGVTWKDNKSEGQSFYFLDPDGHKLELHVGDLASRLAQCRCR
SGMRF
>GCA_001863405
MKLSGLNHLTISVANVDRSFNFYKDILGFTPKA
KWWKGAYL
SLGELWLCLSLDEVSVSSDYTHYCLSIS
DEFRQ
>GCA_000962405
MLQSLNHLTLAVSNLQTS
LTFWRD
LLGLQLHAEWDTGAYLTGDLWVCLSYDVSCNYVAPQEC
DYTHYAFSIA
PEDF
>GCA_000705235
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGLSLCLSREPQYGGPAADYTHYAFGIAAAD
F
>GCA_000283055

YTHYAFGIAAADFARFAAQLRAHGVREWQNRSEGDSFYFLDPDGHRLAEHGDLRSRLAACRQAPYAGMRFA
D
>GCA_001075925
SCGDLWLCLS LD PQR RTPPE ESDY THYAF SIEADFASFAARLEAAGVAIWKL NRSEGASHYFLDPDGHKLE
L
>GCA_000473745
MLTGLNHLTLAVADLPASIAFYRDLLGFRLEARWDQGAYLELGSILWLCLSREPQYGGPAADYTHYAFGIAA
>GCA_000173695
YCPYRHL SYC VSR NYVAP QES DYTHYAF SIAA ED FEP FS YKL KQSGVTVW KDNK SEG QSF YF VDPDGHKL
>GCA_000747825
YCPYRHL LYVSR NYVAP QES DYTHYAF SIAA ED FEP FS YKL KQSGVTVW KDNK SEG QSF YF VDPDGHKL
>GCA_001058735
VGNKDWNVLTTIMSDGQTSFYFLDPDGHKLELVHGSLAARLAACREKPYAGMVFTSDEA