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AtAAC2   ------------------------------MVEQTQHPTILQKVSGQLLSSSVSQDIRGY   30
AtAAC1   ------------------------------MVDQVQHPTIAQKAAGQFMRSSVSKDVQ--   28
RcAAC    ------------------------------MADQVQYPSVMQKVAGQYLHSSLSQDFQGF   30
LcAAC1   MEKKQSERRRQTDQPVTSCHQSLFSLSFSGKVAMDQVQHPSVMQKVASQLLHSSLTHDVRSC  62
ZmANT    ------------------------------MADQANQPTVLHKLGGQFHLRSIISEGVRA   30

AtAAC2   ASASKRPATYQKHAAYGNYSNAAFQYPLVAAS------QIATTTSPVFVQAPGEKGFTNFAI   86
AtAAC1   -VGYQRPSMYQRHATYGNYSNAAFQFPPTSR-------MLATTASPVFVQTPGEKGFTNFAL   82
RcAAC    DGSLQRPALYQRR-AYGNYTNAAFQYPMGCA----DLSVVPTTASSVCVQAPSEKGFAGFAI   87
LcAAC1   DGAFNRPALYQRR-TYGNYSNAAFHPVVRACGATSDMSMVASTASPVFVQAPSEKGFAGFAI  123
ZmANT    RNICPSVSSYERRFATRNYMTQSLWGPSMSVSG---GINVPVMQTPLCANAPAEKGGKNFMI   89

AtAAC2   DFMMGGVSAAVSKTAAAPIERVKLLIQNQDEMLKAGRLTEPYKIRDCFGRTIRDEGIIGSLW  148
AtAAC1   DFLMGGVSAAVSKTAAAPIERVKLLIQNQDEMIKAGRLSEPYKGIGDCFGRTIKDEGFGSLW  144
RcAAC    DFLMGGVSAAVSKTAAAPIERVKLLIQNQDEMIKSGRLSEPYKGIGDCFKRTIKDEGFGSLW  149
LcAAC1   DFLMGGVSAAVSKTAAAPIERVKLLIQNQDEMIKTGRLSEPYKGIGDCFKRTMKDEGIVSLW  185
ZmANT    DFMMGGVSAAVSETAAAPIERVKLLIQNQDEMIKSGRLSEPYKGIVDCFKRTIKDEGFSSLW  151

AtAAC2   RGNTANVIRYFPTQALNFAFKDYFKRLFNFKKDKDGYWKWFAGNLASGGAAGASSLLFVYSL  210
AtAAC1   RGNTANVIRYFPTQALNFAFKDYFKRLFNFKKDRDGYWKWFAGNLASGGAAGASSLLFVYSL  206
RcAAC    RGNTANVIRYFPTQALNFAFKDYFKRLFNFKKDKDGYWKWFAGNLASGGAAGASSLLFVYSL  211
LcAAC1   RGNTANVIRYFPTQALNFAFKDYFKRLFNFKKDKDGYWKWFAGNLASGGAAGASSLLFVYSL  247
ZmANT    RGNTANVIRYFPTQALNFAFKDYFKRLFNFKKDRDGYWKWFAGNLASGGAAGASSLFFVYSL  213

AtAAC2   DYARTRLANDSKSAKKGGGERQFNGLVDVYKKTLKSDGIAGLYRGFNISCAGIIVYRGLYFG  272
AtAAC1   DYARTRLANDAKAAKKGGGGRQFDGLVDVYRKTLKTDGIAGLYRGFNISCVGIIVYRGLYFG  268
RcAAC    DYARTRLANDAKAAKKGG-ERQFNGLVDVYRKTLASDGIAGLYRGFNISCVGIIVYRGLYFG  272
LcAAC1   DYARTRLANDAKAAKKGG-ERQFNGLVDVYRKTMKSDGIAGLYRGFNISCVGIIVYRGLYFG  308
ZmANT    DYARTRLANDAKAAKGGG-ERQFNGLVDVYRKTLKSDGIAGLYRGFNISCVGIIVYRGLYFG  274

AtAAC2   LYDSVKPVLLTGDLQDSFFASFALGWLITNGAGLASYPIDTVRRRMMMTSGEAVKYKSSFDA  334
AtAAC1   LYDSVKPVLLTGDLQDSFFASFALGWVITNGAGLASYPIDTVRRRMMMTSGEAVKYKSSLDA  330
RcAAC    MYDSLKPVVLTGNLQDSFFASFALGWLITNGAGLASYPIDTVRRRMMMTSGEAVKYRGSLDA  334
LcAAC1   MYDSLKPVVLTGSLQDSFFASFALGWLITNGAGLASYPIDTVRRRMMMTSGEAVKYKSSLDA  370
ZmANT    LYDSIKPVVLTGNLQDNFFASFALGWLITNGAGLASYPIDTVRRRMMMTSGEAVKYKSSLDA  336

AtAAC2   FSQIVKKEGAKSLFKGAGANILRAVAGAGVLAGYDKLQLIVFGKKYGSGGA-             385
AtAAC1   FKQILKNEGAKSLFKGAGANILRAVAGAGVLSGYDKLQLIVFGKKYGSGGA-             381
RcAAC    FSQILKNEGAKSLFKGAGANILRAVAGAGVLAGYDKLQLIVFGKKYGSGGA-             385
LcAAC1   FSQILKNEGAKSLFKGAGANILRAVAGAGVLAGYDKLQLIVFGKKYGSGGGA            422
ZmANT    FQQILKKEGPKSLFKGAGANILRAIAGAGVLSGYDQLQILFGKKYGSGGA-             387
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