```
                                        20                                        40                                        60                                        80                                       100                                       120
Ailés1      MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Imperial1   MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Imperial2   MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Imperial4   MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Imperial5   MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Petkus2     MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Petkus9     MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Riodeva1    MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EYGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE 120
Consensus   MAFFRGLAAV SRLRSRMGQD ATTLGGVRWL QMQSASDLDL RSQLQEMIPE QQDRLKKLKS EHGKVQLGNI TVDMVLGGMR GMTGMLWETS LLDPEEGIRF RGLSIPECQK VLPAAVKDGE
100%
Conservation
0%

                                       140                                       160                                       180                                       200                                       220                                       240
Ailés1      PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Imperial1   PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Imperial2   PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Imperial4   PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Imperial5   PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Petkus2     PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Petkus9     PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Riodeva1    PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL 240
Consensus   PLPEGLLWLL LTGKVPTKEQ VDALSKELLS RSTVPGYVYK AIDALPVTAH PMTQFTTGVM ALQVESEFQK AYDKGMPKTK FWEPTYEDCL NLIARLPQVA SYVYRRIFKD GKAIAADNTL
100%
Conservation
0%

                                       260                                       280                                       300                                       320                                       340                                       360
Ailés1      DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Imperial1   DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Imperial2   DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Imperial4   DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Imperial5   DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Petkus2     DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT THQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Petkus9     DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD 360
Riodeva1    DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLRSGKVVPG YGHGVLRNTD 360
Consensus   DYAANFSHML GFDDPKMLEL MRLYITIHTD HEGGNVSAHT GHLVGSALSD PYLSFAAALN GLAGPLHGLA NQEVLLWIKS VMEETGSNIT TDQLKEYVWK TLKSGKVVPG YGHGVLRNTD
100%
Conservation
0%

                                       380                                       400                                       420                                       440                                       460
Ailés1      PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV AA* 473
Imperial1   PRYSCQREFA LKYLPEVPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV VA* 473
Imperial2   PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV VA* 473
Imperial4   PRYSCQREFG LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV VA* 473
Imperial5   PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL AEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCRKV VA* 473
Petkus2     PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV VA* 473
Petkus9     PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV EA* 473
Riodeva1    PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV AA* 473
Consensus   PRYSCQREFA LKYLPEDPLF QLVSKLYEVV PPILTELGKV KNPWPNVDAH SGVLLNHFGL TEARYYTVLF GVSRSIGIGS QLIWDRALGL PLERPKSVTM EWLENHCKKV VAX
100%
Conservation
0%
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