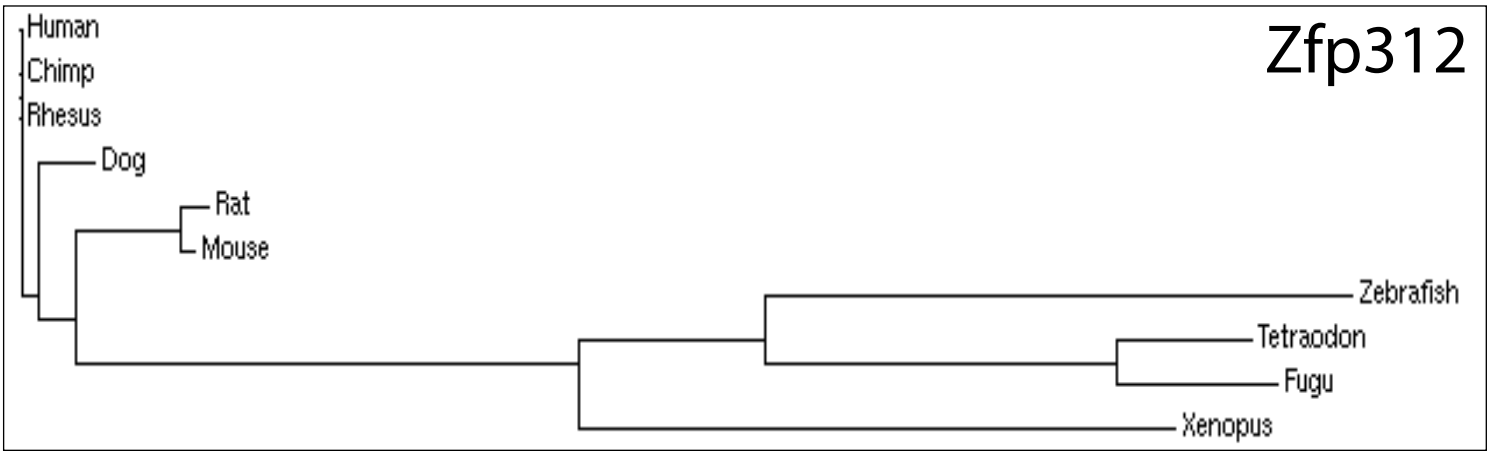```
Human      MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPGALEADGSQGKKLLNLCSPLPCMIPLQPLGYEVPS
Chimp      MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPGALEADGSQGKKLLNLCSPLPCMIPLQPLGYEVPS
Rhesus     MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPGALEADGSQGKKLLNLCSPLPCMIPLQPLGYEVPS
Dog        MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPGTLEADGGQGKKLLNLCSPLPCMIPLQPLGYEVPS
Rat        MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPAALEADSSQSKKLLNLCSPLPCMIPLQPLGYEVPS
Mouse      MASSASLETMVPPACPRAG--ASPATSKTLAFSIERIMAKTSEPRAPFEPRPAALEADSSQSKKLLNLCSPLPCMIPLQPLGYEVPS
Zebrafish  MASSLPLETVMSCP-RLDDRSGATAAPKSLAFSIDRIMSKTSEPKAAAA-------EERSEGKKTVGLCSPIPCMIPIQPFSYDLQA
Tetraodon  MASSASLETLMSC-----GRTGPSAAAKTLAFSIDRIMSKGSEPKGSA--------EERAEEKKLLGLCSPIPCMIPLQPFSYDLQA
Fugu       MASSASLETLMSC-----GRTGPSAAPKTLAFSIDRIMSKGPEPKGRA--------EERAEEKKLLGLCSPIPCMIPLQPFSYDLQA
Xenopus    MA--APLETVMTPCQRFDGRNGASATPKSLAFSIERIMAKTSEPKAAAFQPSQGLDPGA---KKMLNLCSPLPCMIPIQSLAYDVHS

Human      LRAGGGGGGGGGGGGGGG---APVCGASGLCKTNCGVCCKAELGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSTAYPP
Chimp      LRAGGGGGGGGGGGGGG----APVCGASGLCKTNCGVCCKAELGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSTAYPP
Rhesus     LRAGGGGGGGGGGGGG-----APVCGASGLCKTNCGVCCKAELGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSTAYPP
Dog        LRAGGGGGGGGGGGGGGGGGGAPVCGASGLCKTNCGVCCKADLGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSAAYPP
Rat        LRAGGGGGGSGGG--------GPVCGASGLCKTNCGVCCKAELGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSTTYPP
Mouse      LRAGGGGGGSGGG--------APVCGASGLCKTNCGVCCKAELGLAPSALPAGRVIKPQVINQAVGLPASGSLYYFNYLDSTAYPP
Zebrafish  FR-G------------------ALC-TSAAMCKTNCGVCSKADAGIKHSVLPGTRVIKPQVIHQALAMPANGSLCYFNYLDS-AYQ-
Tetraodon  LR-G------------------TFCGSAAAQCKGSCGMCAKADAART----PGTRLVKPQVIHQAVTVPGGGSLYYFNYLDS-AYQQ
Fugu       LR-G------------------TFCCSSATQCKGSCGVCAKADTGRT----PGARLVKPQVIHQAVTVPRGGSLYYLNYLDS-AYQQ
Xenopus    LR-G-------------------SVCSPSGLCKSNCGICCKNDLNMGHTVLPGSRVIKPQVINQTVGLPTNGSLYYFNYLDSSFHPP

Human      LNAQAPAALAAHPKLFLLENAKLAGLAADKFPHPAPYPHKERLPAPLEQVLKENSALTAERGGVKGHSKL---PGGSADGKPKNFTC
Chimp      LNAQAPAALAAHPKLFLLENAKLAGLAADKFPHPAPYPHKERLPAPLEQVLKENSALTAERGGVKGHSKL---PGGSADGKPKNFTC
Rhesus     LNAQAPAALAAHPKLFLLENAKLAGLAADKFPHPAPYPHKERLPAPLEQVLKENSALTAERGGVKGHSKL---PGGSADGKPKNFTC
Dog        LNAQAPAALAAHPKLFLLENAKLAGLAADKFPHPAPYAHKERLPAPLEQVLKENSALTAERGGVKGHSKL---PGGPADGKPKNFTC
Rat        LNAQAPTSLAAHPKLFLLENAKLASLTADKFPHPASYPHKERLHAPLEQVLKENSALTAERGGVKSHSKL---PGGSTDSKPKNFTC
Mouse      LNAQAPTSLAAHPKLFLLENAKLASLAADKFPHPASYPHKERLHAPLEQVLKENSALTAERGGVKSHSKL---PGGSTDSKPKNFTC
Zebrafish  ANSQAQ-AISAHQKLLLLENAKLACVSPEKFPTP-QYPHKEHLPGQLDQIVRESHNLT-EKNGVKAHSK---TNNCSSDGKPKNFTC
Tetraodon  AQA----SLSAHHRLLLLENAKLAGAGGDKPPTP-QYPHKEHLPGQLDQIVKDNHGLSADKSVVKTHSKLGGSGSSAADGKPKNFTC
Fugu       GQA----SLSAHHRLMLLENAKLAGAGADKLPTP-QYPHKEHLPGQLDQIVKENHGPSADKSLAKTHIKLGGSGNSAADGKPKNFTC
Xenopus    INAQSQATLSAQQKLFLLENAKLSGLAPEKFPNP-QYPHKERLPGQLDQVMKENSALSADRSG-KIHSKL---GANSAEGKPKIFTC

Human      TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Chimp      TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Rhesus     TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Dog        TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Rat        TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Mouse      TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Zebrafish  TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH
Tetraodon  TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNHCGKAFNRSSTLNTHVRIHAGYKPFVCEFCGKGFHQKGNYKNH
Fugu       TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNHCGKAFNRSSTLNTHVRIHAGYKPFVCEFCGKGFHQKGNYKNH
Xenopus    TRHMPVHTGARPFVCKVCGKGFRQASTLCRHKIIHTQEKPHKCNQCGKAFNRSSTLNTHIRIHAGYKPFVCEFCGKGFHQKGNYKNH

Human      ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKKHVRKLHDSVGPAA-PSAKDLTRTVQS
Chimp      ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKKHVRKLHDSVGPAA-PSAKDLTRTVQS
Rhesus     ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKKHVRKLHDSVGPAA-PSAKDLTRTVQS
Dog        ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKKHVRKLHDSVGPAA-PSTKDLTRTVQS
Rat        ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKKHVRKLHDSVGPTATPSAKGLARTVQS
Mouse      ICNKAFHQVYNLTFHMHTHNDKKPFTCATCGKGFCRNFDLKRHVRKLHDSVGPTATPSAKDLARTVQS
Zebrafish  ICSKAFHQIYNLTFHMHTHNDKKPFTCGTCGKGFCRNFDLKKHIRKLHDNANCLSGGNDSSRGH--QN
Tetraodon  ICNKAFHQIYNLTFHMHTHNDKKPFTCSTCGKGFCRNFDLKKHIRKLHDSG--FSAPGEAPREP--QS
Fugu       ICNKAFHQIYNLTFHMHTHNDKKPFTCSTCGKGFCRNFDLKKHIRKLHDSS--FSAPSEASREP--QT
Xenopus    ICNKAFHQIYNLTFHMHTHNDKKPFTCGTCGKGFCRNFDLKKHVRKLHDNVSSSC--SLKEISRTGQS
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