

Homo sapiens 1 MMDLELPPIPGGLPSQQDMIDLIDILWRQDIDLGVSREVFDFSQRKEYELEKQKKLERKERQEQLQKEQEKAFFTQLQLDEEI
 Mus musculus 1 MMDLELPPIPGGLQSQQDMIDLIDILWRQDIDLGVSREVFDFSQRQKDYELEKQKKLERKERQEQLQKEQEKAFFAQQLDDEEI
 Rattus norvegicus 1 MMDLELPPIPGGLQSQQDMIDLIDILWRQDIDLGVSREVFDFSQRQKDYELEKQKKLERKERQEQLQKEQEKAFFAQQLDDEEI
 Bos taurus 1 MMDLELPPIPGGLPSQQDMIDLIDILWRQDIDLGVSREVFDFSQRQKEHELEKQKKLERKERQEQLQKEQEKAFFAQQLDDEEI
 Gallus gallus 17 -----MNLIDILWRQDIDLGVSREVFDFSQRQKEYELEKQKKLERKERQEQLQKEEREKALLAQLVLDEEI
 Xenopus tropicalis 1 MMEIEMPLP-LQSQQDMIDLIDILWRQDVLGAGREVFDFSYRQKEVELRRRREQEEQELQERLQEQEKTLLAQQLDDEEI
 Danio rerio 1 MMEIEMSRMQ-PSQSQDMIDLIDILWRQDVLGAGREVFDFSYRQKEVELRRRREQEEQELQERLQEQEKTLLAQQLDDEEI

Homo sapiens 81 GEFLP-IQPAQHTQSESGSS-ANYSSQV-AHIPK-SDALYFDDCMQLLAQFFFVDDNEVSSATFQSLVPDFDFGHIISPVF
 Mus musculus 81 GEFLP-IQPAQHQITDSSGS-ASXSQV-AHIPK-QDALYFEDCMQLLAQFFFVDDHE-----SISLALDIIPSHAESSVF
 Rattus norvegicus 81 GEFLP-IQPAQHQITDSSGS-VSSQV-AHIPK-QDALYFEDCMQLLAQFFFVDDHE-----SISLALDIIPSHAESSVF
 Bos taurus 81 GEFLP-IQPAQHIPSESSGS-ANYSSQV-AHIPK-ADDLYFDCMQLLAQFFFVDDNEVSSATFQSLVPDFDFSHIESPVF
 Gallus gallus 80 GEFLP-AQPAQRVQSENAEPPISFQS-TDTSKPEEALSFFDDCMQLAAFPIDNEASPAAFQFSLVPDFQID--SDPVF
 Xenopus tropicalis 80 GEFIGP-IQQA---APIEFAAVTQELASSIVPKSLVHDLSCFCLKILGETFQLGPANEESSSLAYQTLEFPSDPIETNQFFLD
 Danio rerio 80 GEFLPRSTPLHTPEADGGGAGEIFQNGAFAEFQEADPMFFDECFCMQLLAQFFPLTEPAE-----SAPPCLNFSP

Homo sapiens 157 IATNQASPESSVAVQAPVLDGMQDIEQVWEESLIPEL-QCLNIESENDKLVEFIMVFPSPEA-KLFEVD-NY-HFYSI
 Mus musculus 150 TAPHQASLNSL-EAAMTDFLSSFQDMEQVWEESLFSSIPEL-QCLNTEFNKQLADFIAVFPSPEA-TLFTEMDFSNY-HFYSI
 Rattus norvegicus 150 TPDQASLSL-ETAMTDFLSSFQDMEQVWEESLFSSIPEL-QCLNTEFNKQAEFITVFPSPEA-TLFTEMDFSNY-HFYSI
 Bos taurus 157 TAPPQASPESLIVQVATAVFQVFWEESLLSIPEL-QCLNIESNDKLAFEFTIVFPSPE-TLFEID-NY-HFYSI
 Gallus gallus 156 ISANQTFQFSSP-GIVPFLTDAENMQ-NIEQVWEESLLSIPEL-QCLNIESNDNLAFEFTITSFPET-KPAEMHNFNSY-DYNNSI
 Xenopus tropicalis 157 QSEPNPFVPAG---LSSFIPAEGEFHMFNAQWEFLLSIPEL-QCLNIEFENMVFDLSFMYTNQESITMFETPFDY-SFSLFSP
 Danio rerio 149 PSTDLMMPAFDV---AFTQNPLFLLPGFSLFDQAWFMLFSLPELQFQCLNMPFQETFLDFMNFAFMFKPFSTEAPFQNYFSQYFYFLGMDFHL

Homo sapiens 233 PSMEKEVGNCSFPHFLNAFAFEDFFSFIFLSFEDPFNQLTVFNSFLNFDAFTVFNDFD-FFGDEFYFAFIAEFEFPSPEA-IFISNSFMPFSPATLFSHFLSFE
 Mus musculus 226 SSLEKEVGNCFCPHFLHGFFEFDSFSSFILFSDFDDFSQLT-FFSDFLSFPLFTDFD-FFGDEFYFAFIAEFEFPSFGFGSMPFSSAISFQSLFSE
 Rattus norvegicus 226 SSLEKEVFDSFCSFPHFLHGFFEFDSFSSFILFSDFDDFSQLT-FFSDFLSFPLFTDFD-FFGDEFYFAFIAEFEFPSFGFGSMPFSSAISFQSLFSE
 Bos taurus 232 SSLDKEVGNCFPHFLNAFAFEDFFSFIFLSFEDFSQLTVFNSFLNFSATFNDFD-FFGDEFYFTFIAEFEFPSFNGMPFSSATLFQSLFSE
 Gallus gallus 231 PIMRKDV-NCGPDFLENFIFEGPFFSSFIFLSFQFDDFSQLFNSFLNFNSFLSFLNFTFFIC-AKGFDFGFDFTGFTNTFIQFSLAD
 Xenopus tropicalis 232 SSIEK----PHEFSTV---FFSDFLVFDFTFSSLP---SFVFNFTFAFFCFDFIFDFF---LDFPKFVFNFVFPLFTDFNSFQFLLNE
 Danio rerio 225 SAQTEFV---CPPEFEFFTFNTFYFNSFPNFMFQFLNFQFPMFQFEFEFFNFEFLYFPEFE---MEFVFKFNNFNPFTFPSFGGFNDFGDFMEFDMFSTFPFETAQ

Homo sapiens 312 LLNGPIFDFSLFCKAFFQNFHPFESFIAEFFFNDFSLFGSFISFLNFTVFNSFLNFDAFTVFNDFD-FFGDEFYFAFIAEFEFPSFPEA-IFISNSFMPFSPATLFHSFLSFE
 Mus musculus 303 LLDGTFIEFGCFDLFSLFCKAFFQNFHPFESFTFMEFNDFSLFGSFISFLNFTVFNDFD-FFGDEFYFAFIAEFEFPSFPEA-IFISNSFMPFSPATLFHSFLSFE
 Rattus norvegicus 303 LLGGPIFEGFDLFSLFCKAFFQNFHPFESFTFVEFNDFSLFGSFISFLNFTVFNDFD-FFGDEFYFAFIAEFEFPSFPEA-IFISNSFMPFSPATLFHSFLSFE
 Bos taurus 311 LLNGPIFDFSLFCKAFFQNFHPFESFTFAEFNDFSLFGSFISFLNFTVFNDFD-FFGDEFYFTFIAEFEFPSFNGMPFSSATLFQSLFSE
 Gallus gallus 308 LLSEPIFDFSLFCKAFFQNFHPFESFTFVEFNDFHSFISFLNFTVFNDFD-FFGDEFYFTFIAEFEFPSFNGMPFSSATLFQSLFSE
 Xenopus tropicalis 298 LLNDNVFDFTLFDLFCKAFFQNFHPFESFTFPEFNDFQFLNFTVFNDFD-FFGDEFYFTFIAEFEFPSFNGMPFSSATLFQSLFSE
 Danio rerio 299 PPVNFPIFDFQFSDFGSFGPFDPFSSFGKFPDFIFVEFNDFD-FFGDEFYFTFIAEFEFPSFNGMPFSSATLFQSLFSE
 Homo sapiens 390 QNGPKT-PVFSSFGDFMFQFPLFSFPFSFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQFPLFQFGSFQFQ