

Danio rerio -----
Xenopus tropicalis -----
Homo sapiens -----
Mus musculus -----
Gallus gallus -----
Python bivittatus MALHTHRGLRCGEREAGLRGGGGGGGSGGGADVSPACLPPSVTEPFLLLGCCLRPAD

Danio rerio -----MAEC----GRRGLSLLEEARSRYESLQISDDVFGESGDDS-SENPF
Xenopus tropicalis -----MMKGASLSGSGGGGNKKIALSLLEAARSRYESLQISDDLFGESGDDSSSGNPF
Homo sapiens -----
Mus musculus -----
Gallus gallus -----
Python bivittatus PTERGRLLTPPAEMMAEGGGGQ---RLKGAARCRYESLQISDDVFGESGQDS-SGNPF

Danio rerio YSTTGDSNSDNYPETNADDA-----RVNE
Xenopus tropicalis YSTSPDSPTSASGCSEDEDGGGRKTPHPLGQCEVGELGKNVGDGLGNSTPHGTPRVKG
Homo sapiens -----
Mus musculus -----
Gallus gallus -----
Python bivittatus YSTTAESRSASE---EDEEVEGE-TPE-GGRSHRGRTGGRQGS-----KASAA---EE

Danio rerio TRSQ-SCV-----PPGSVSSGQAQEEGWGDTLRDLSLPHYQ
Xenopus tropicalis KEVQRDCTERDTVGESLLHRERTVTRCEEGDAEQQVPIDNLKEEEGWSHTLQDRAAPYFS
Homo sapiens -----MPDYRTR-----ALFVQSTLGDS-AG-----PELQLLSIVPGRDLQPSD
Mus musculus -----
Gallus gallus -----
Python bivittatus QEEEEQQQPQQQVL-----GGLEASFLGPA-EQQPREEEGERGWSQSLRNTPTPSFK

Danio rerio DTHGPTQKMSATATAMDDFFQLFVPDNVIONMVTQTNMYAKKFQERFGSDEGWTNVTLAEM
Xenopus tropicalis DTSGPTRNMPEPTSSVMDFFQLFVPDNVKNMVTQTNMYAKKYQERFGSDDAWTDVTLAEM
Homo sapiens SFTGPTRKMPPSASAVDDFFQLFVPDNVLKNMVVQTNMYAKKFQERFGSDGAWVEVTLTEM
Mus musculus -----MPPSASAVDDFFQLFVPDNVLKNMVVQTNMYARKFQERFGSDGAWVEVTLAEM
Gallus gallus -----MPLTASAMDDFFQLFVPDNVLKNMVVQTNMYAKKYQERFGSDDTWIDVTLTEM
Python bivittatus DSSGPTRKMPPTASAMDDFFQLFVPDNVLKNMVIQTNMYATKYQERFGSDEAWMDVTLTEI
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Danio rerio KAFLGYVTSTSVNRCSVLSIWSSGFFSNRSIALKMSQARFEKILKYFHVVAFRSSQGG
Xenopus tropicalis KYFLGYMISTSTHHCESVLSIWSSGFYSNRSIALIMTQRFEEKILKYFHI VAFRSSQT-T
Homo sapiens KAFLGYMISTSTSHCESVLSIWSSGFYSNRSIALVMSQARFEKILKYFHVVAFRSSQT-T
Mus musculus KAFLGYVISTSVSHCESVLSIWSSGFYSNRSIALVMSQARFEKILKYFHVVAFRSSQT-T
Gallus gallus KAFLGYMISTSIHHCESVLSIWSSGFYSNKSIALIMTQSRFEKILKYFHI VAFRSSQT-T
Python bivittatus KAFLAYMISTSTHHCESVLSIWSSGFYSNKSIALIMTQTRFEKILKYFHI VAFRSSQT-T
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Danio rerio QGLYKIQPFLLSLQQSFSSSFPSQTQVLHEPLIDEPVFIATCTERELRKRKRKFSW
Xenopus tropicalis HGLYKIQPFLLSLQNCFDSCFKPSQTQVLHEPLIDEPVFIATCTERELRKRKRKFSVW
Homo sapiens HGLYKVQPFLLSLQNSFDSAFRPSQTQVLHEPLIDEPVFIATCTERELRKRKRKFSW
Mus musculus HGLYKVQPFLLSLQSGFDAFRPSQTQVLHEPLIDEPVFIATCTERELRKRKRKFSW
Gallus gallus HGLYKIQPFLLSLQNGFDSAFRPSQAQVLHEPLIDEPVFIATCTERELRKRKRKFSW
Python bivittatus HGLYKIQPFLLSLQHSFDSAFKPSQTQVLHEPLIDEPVFIATCTERELRKRKRKFSW
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Danio rerio VRQCSSTGFICQIYVHLKEGGPGDGLDTLKNKPQLHSLVAKQLCQNLAGRNAIIFTGPSI
Xenopus tropicalis VRQCSSTGFICQVYIHLKEGSATDGLDTLKNKPQLHRMVAKNLQCNAAAGKNYIIFTGPSI
Homo sapiens VRQCSSTGFIIQIYVHLKEGGPGDGLDALKNKPQLHSMVARSLCRNAAGKNYIIFTGPSI
Mus musculus VRQCSSTGFIIQIYVHLKEGGPGDGLDALKNKPQLHSMVARSLCRNAAGKNYIIFTGPSI
Gallus gallus VRQCSSTGFICQIYVHLKEGSGADGLDALKNKPQLHSMVAKSLCQNASKNYIIFTGPSI
Python bivittatus VRQCSSTGFICQIYAHLKEGSGTEGLDALKNAQLHSIVAKSLCQNVTGKNCIIFTGPSI
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Danio rerio TSLNLFQEFQKGIYCCGLLSIRKSDCTGLPQSMINTTEAPQQRQSHVKNRGNMSIINW
Xenopus tropicalis TSFSLFEEFEKQGIYCCGLLSRKS SDCTGLPSPMSLNTTEVPQARGQYAIRVKNMSLICW
Homo sapiens TSLTLTFEEFEKQGIYCCGLLRARKS SDCTGLPLSMLTNPATPPARGQYIKMKGNMSLICW
Mus musculus TSLNLFEEFEKQGIYCCGLLSRKS SDCTGLPSPMLTNPATPLARGQYIQTGKNMSLICW
Gallus gallus TSLNLFEEFEKQIYCCGLLSARKSDCTGLPSPMLNPDTPQSRGQYIRMKGNMSLICW
Python bivittatus TSLNLFEEFEKQDIHCCGLLSARKSDCTGLPSPMLNPNPETPQSRGHYRIKMKGNMSLICW
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Danio rerio YNKGNFRFLTNAYSPTKEGVIIKRKS GEIPCLAVEAFAAHLSYICKYDDKYSKYFIFHK
Xenopus tropicalis YNRGYFRFLTNAYSSIQQGVIIKRKS GEIPCLAVEAFAAHLSYICKYDDKYSKYFISHK
Homo sapiens YNKGHFRFLTNAYS PVQQGVIIKRKS GEIPCLAVEAFAAHLSYICRYDDKYSKYFISHK
Mus musculus YNKGHFRFLTNAYS PVQKGVIIKRKS GEIPCLAVEAFAAHLSYICRYDDKYSKYFISHK
Gallus gallus YNKGHFRFLTNAYS PVQQGVIIKRKS GEIPCLAVEAFAAHLSYICKYDDKYSKYFISHK
Python bivittatus YNKGYFRFLTNAYS PVQQGVIIKRKS GEIPCLAVEAFAAHLSYICRYDDKYSKYFISHK
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Danio rerio PNKTWQQVFWLTISIAINNAYILYKMSDAYHVVKYRSRAQFGERLVKELLDMDDCSPQT
Xenopus tropicalis PNKTWQQVFWFTISIAINNAYILYKMSDAYHVVKYRSRAQFGDRLVRELLGLEDTS PCH
Homo sapiens PNKTWQQVFWFAISIAINNAYILYKMSDAYHVVKYRSRAQFGERLVRELLGLEDASPTH
Mus musculus PNKTWQQVFWFAISIAINNAYILYKMSDAYHVVKYRSRAQFGERLVRELLGLEDSSPAH
Gallus gallus PNKTWQQVFWFAISIAINNAYILYKMSDAYHVTRYRSRAQFGERLVKELLGLEDTS PSH
Python bivittatus PNKTWQQVFWFISISIAINNAYILYKMSDAYPMKKYSRVQFGERLVKELLGLEDSPSGH
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