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XP_036817248.1 O.mykiss 1b        MAESAELKQMVMSLRVSELQVLLGYAGRNKHGRKHELLTKALHLLKAGCSPAVQMKVKELYRRRFPTKMVSPVDLALPSVHAT---------LSGGLTSLGFDSH---GSPS-----PLS
XP_036819604.1 O.mykiss 1a1.2     ---------MVMSLRVSELQVLLGYAGRNKHGRKHELLTMALHLLKAGCSPAVQMKIKELYCRRFPTKMGSPSELVLPGPHYPASGGGGTAALPAGLSQLAYEGHRHGGVPSPAALLPIS
XP_024262948.1 O.tshawytscha 1a2  MAESAQLKQMVMSLRVSELQVLLGYAGRNKHGRKHQLLTKALHLLKAGCSPAVQMKVKELYRRRFPAKMLSPVDLALPSVHSTSS-------LPGGLTSLGFDSH---GSPS-----PGS
XP_011520429.1 H.sapiens          ------MEQMVMSLRVSELQVLLGYAGRNKHGRKHELLTKALHLLKAGCSPAVQMKIKELYRRRFPQKIMTPADLSIPNVHSSPMP---ATLSPSTIPQLTYDGHP--ASSP---LLPVS
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XP_036817248.1 O.mykiss 1b        LLGP-KHELGLPHLPS----SLHPVHPDVKLQRLPFYDMLDELIKPTSLASDNSQRFQETCYAFALTPQQVQQISSSMDISGTKCDFAVQVQLRFCLSETSCTQEDHFPSNLCVKVNSKP
XP_036819604.1 O.mykiss 1a1.2     LLGPGKHELSGLAHHLPTSATLHPVHPDVKLQRLPFYDMLDELIKPTSLASDNSQRFQETCFAFALTPQQVQQISSSMDISGTKCDFTVQVQLRFCLSETSCPQEDHFPPNLCVKVNGKP
XP_024262948.1 O.tshawytscha 1a2  LLVP-KQELG-----------LHPVHPDVKLQRLPFYDMLDELIKPTSLASDNSQGFRRRVMPFALTPSRSSSAAS-MDISGTKCDFAVQVQLRFCLSETSCAQEDHFPSNLCVKVNSKP
XP_011520429.1 H.sapiens          LLGP-KHELELPHLTS----ALHPVHPDIKLQKLPFYDLLDELIKPTSLASDNSQRFRETCFAFALTPQQVQQISSSMDISGTKCDFTVQVQLRFCLSETSCPQEDHFPPNLCVKVNTKP
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XP_036817248.1 O.mykiss 1b        CNLPGYLPPTKNGVEPKRPSRPINITSLVRLSTTVPNTIVVSWTSEIGRSFSMAVYLVRQQTSTTLLQRLRAKGIRNPDHSRALIKEKLTADPDSEIATTSLRVSLLCPLGKMRLMIPCR
XP_036819604.1 O.mykiss 1a1.2     CNLPGYLPPTKNGVEPKRPSRPINITSVVRLSTTVPNTILVSWTSEVGRSYSMAVYLVKQQSSTVLLQRLRSKGIRNPDHSRALIKEKLTADPDSEIATTSLRVSLLCPLGKMRLMIPCR
XP_024262948.1 O.tshawytscha 1a2  CNLPSYLPPTKNGVEPKRPSRPINITSLVRLSTTVPNTIVVSWTSEIGRSFSMAVYLARQQTSTTLLQRLRAKGIRNPDHSRALIKEKLTADPDSEIATTSLRVSLLCPLGKMRLMIPCR
XP_011520429.1 H.sapiens          CSLPGYLPPTKNGVEPKRPSRPINITSLVRLSTTVPNTIVVSWTAEIGRNYSMAVYLVKQLSSTVLLQRLRAKGIRNPDHSRALIKEKLTADPDSEIATTSLRVSLLCPLGKMRLTIPCR
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XP_036817248.1 O.mykiss 1b        ALTCSHLQCFDATLYIQMNEKKPTWVCPVCDQKAPYQHLIIDGLFMEILNSCEDCDEIQFKEDGNWYPMRSKKEVTEVS-ASFNGEDDSCRTVESEHHRNSSSH---SSTNKVVVIDLTL
XP_036819604.1 O.mykiss 1a1.2     ALSCSHLQCFDATLYIQMNEKKPTWVCPVCDKKAPYEHLIIDGLFMEILNSCVDCDEIQFKEDGYWAPMRTKKEVQEVSSASYSNGLEGLHRSAVGEQRSSSSHNGGSSRMKVEVIDLTL
XP_024262948.1 O.tshawytscha 1a2  ALTCSHLQCFDATLYIQMNEKKPTWVCPVCDQKAPYQHLIIDGLFMEILNSCEDCDEIQFKEDGNWYPMRSKKEVTEVS-ASFNGADESCRTVESEHHRNSSSH---SSTNKVVVIDLTL
XP_011520429.1 H.sapiens          ALTCSHLQCFDATLYIQMNEKKPTWVCPVCDKKAPYEHLIIDGLFMEILKYCTDCDEIQFKEDGTWAPMRSKKEVQEVS-ASYNGVDG-CLSSTLEHQVASHHQSS-NKNKKVEVIDLTI
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XP_036817248.1 O.mykiss 1b        DSSSDDDLDDEPPLKRACPSSS-LSPASPPVS-KGVLNLHSQASPVARAPSMPPVETSYIPPPPPLIQDYSH---YYHTPNDL-DLNFFSFLQGDNHQHYNMVMAAAASA--SEDHDLLL
XP_036819604.1 O.mykiss 1a1.2     DSSSEDDDDDQPPLKRPCPSLS---PTSPPIVNKGVLNLHHQVSPVSRTPSMPSVDTSYIPPVPPLIQDYRP---YYHAPTQLTDVNFFSFLQGDNHQHYNMVMAAAAAASASDDHELLL
XP_024262948.1 O.tshawytscha 1a2  DSSSDDDLDDEPPLKRPCPSSSSLSPASPPIS-KGVLNLHSQVSPVARAPSMPPVETSYIPPPPPLIQDYSH---YYHTPNDL-DLNF--------------------------------
XP_011520429.1 H.sapiens          DSSSDEE-EEEPSAKRTCPSLS---PTSPLNN-KGILSLPHQASPVSRTPSLPAVDTSYIN--TSLIQDYRHPFHMTPMPYDLQGLDFFPFLSGDN-QHYNTSLLAAAAAAVSDDQDLLH
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XP_036817248.1 O.mykiss 1b        N-RFLPY---SSSQMFLDQPGTPGGGSSALP---AANGGSNSGSSSSLVSSNSLRERDVERDGERDRDGDR-------DSQSSRSDAAAAVIYGSIPDVISLD
XP_036819604.1 O.mykiss 1a1.2     N-HFRPYTTSSSSQLFLDQSGAPSSGSLAPVNGGDGGGNSSGGSSSSLVSSSSLRDTHSTHSTHSHTHPTHSHTHPGVGGQSSADVTAAASLYGAVPDVISLD
XP_024262948.1 O.tshawytscha 1a2  ------------------------------------------------------------------------------------------------------
XP_011520429.1 H.sapiens          SSRFFPY---TSSQMFLDQLSAGGSTSLPTTN------GSSSGSNSSLVSSNSLRESHS-------------------HTVTNRSSTDTASIFGIIPDIISLD
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