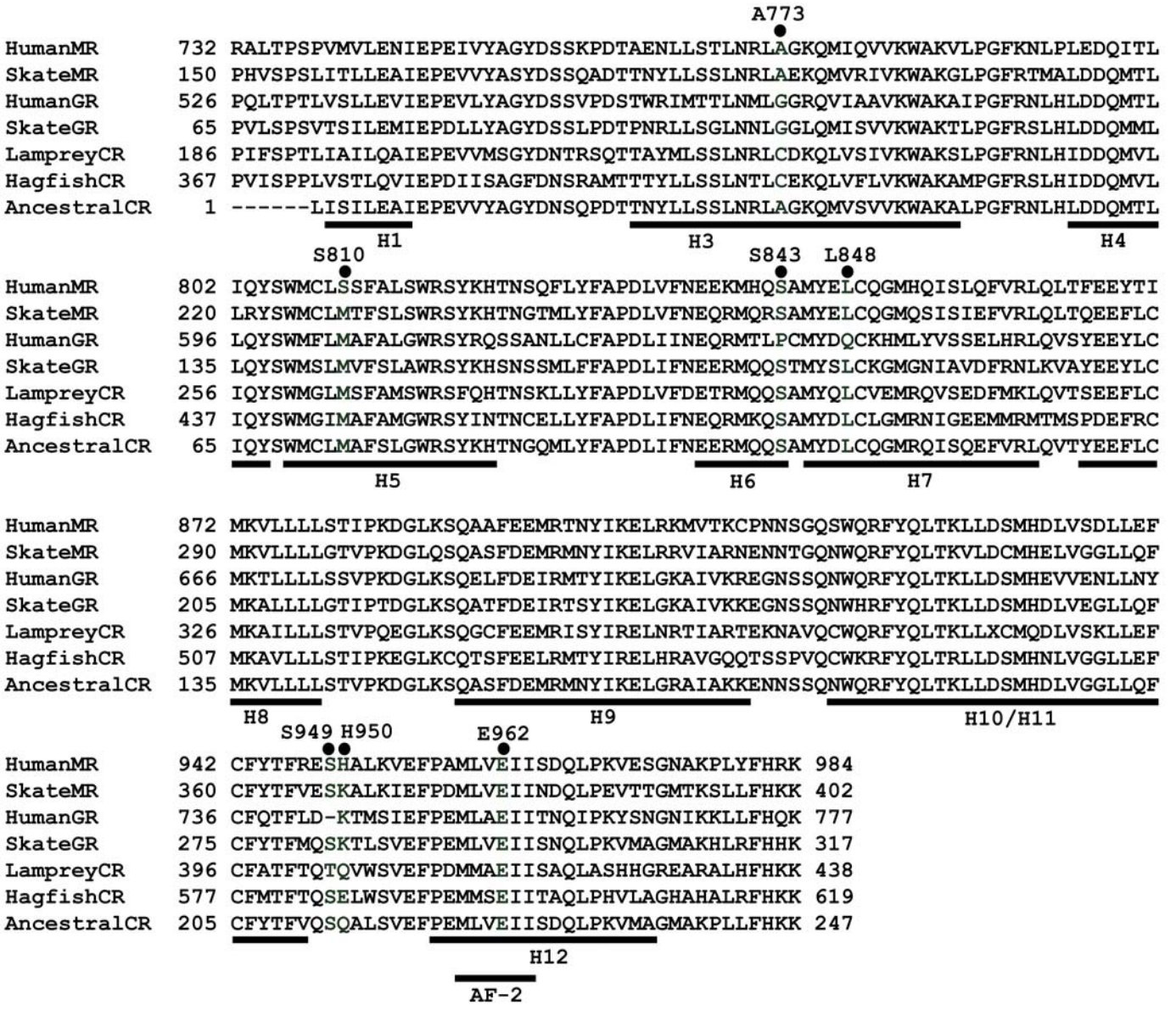
A773
HumanMR 732 RALTPSPVMVLENIEPEIVYAGYDSSKPDTAENLLSTLNRLAGKQMIQVVKWAKVLPGFKNLPLEDQITL
SkateMR 150 PHVSPSLITLLEAIEPEVVYASYDSSQADTTNYLLSSLNRLAEKQMVRIVKWAKGLPGFRTMALDDQMTL
HumanGR 526 PQLTPTLVSLLEVIEPEVLYAGYDSSVPDSTWRIMTTLNMLGGRQVIAAVKWAKAIPGFRNLHLDDQMTL
SkateGR 65 PVLSPSVTSILEMIEPDLLYAGYDSSLPDTPNRLLSGLNNLGGLQMISVVKWAKTLPGFRSLHLDDQMML
LampreyCR 186 PIFSPTLIAILQAIEPEVVMSGYDNTRSQTTAYMLSSLNRLCDKQLVSIVKWAKSLPGFRNLHIDDQMVL
HagfishCR 367 PVISPPLVSTLQVIEPDIISAGFDNSRAMTTTYLLSSLNTLCEKQLVFLVKWAKAMPGFRSLHIDDQMVL
AncestralCR 1 ------LISILEAIEPEVVYAGYDNSQPDTTNYLLSSLNRLAGKQMVSVVKWAKALPGFRNLHLDDQMTL
H1
H3
H4
S810
S843
L848
HumanMR 802 IQYSWMCLSSFALSWRSYKHTNSQFLYFAPDLVFNEEKMHQSAMYELCQGMHQISLQFVRLQLTFEEYTI
SkateMR 220 LRYSWMCLMTFSLSWRSYKHTNGTMLYFAPDLVFNEQRMQRSAMYELCQGMQSISIEFVRLQLTQEEFLC
HumanGR 596 LQYSWMFLMAFALGWRSYRQSSANLLCFAPDLIINEQRMTLPCMYDQCKHMLYVSSELHRLQVSYEEYLC
SkateGR 135 LQYSWMSLMVFSLAWRSYKHSNSSMLFFAPDLIFNEERMQQSTMYSLCKGMGNIAVDFRNLKVAYEEYLC
LampreyCR 256 IQYSWMGLMSFAMSWRSFQHTNSKLLYFAPDLVFDETRMQQSAMYQLCVEMRQVSEDFMKLQVTSEEFLC
HagfishCR 437 IQYSWMGIMAFAMGWRSYINTNCELLYFAPDLIFNEQRMKQSAMYDLCLGMRNIGEEMMRMTMSPDEFRC
AncestralCR 65 IQYSWMCLMAFSLGWRSYKHTNGQMLYFAPDLIFNEERMQQSAMYDLCQGMRQISQEFVRLQVTYEEFLC
H5
H6
H7
HumanMR 872 MKVLLLLSTIPKDGLKSQAAFEEMRTNYIKELRKMVTKCPNNSGQSWQRFYQLTKLLDSMHDLVSDLLEF
SkateMR 290 MKVLLLLGTVPKDGLQSQASFDEMRMNYIKELRRVIARNENNTGQNWQRFYQLTKVLDCMHELVGGLLQF
HumanGR 666 MKTLLLLSSVPKDGLKSQELFDEIRMTYIKELGKAIVKREGNSSQNWQRFYQLTKLLDSMHEVVENLLNY
SkateGR 205 MKALLLLGTIPTDGLKSQATFDEIRTSYIKELGKAIVKKEGNSSQNWHRFYQLTKLLDSMHDLVEGLLQF
LampreyCR 326 MKAILLLSTVPQEGLKSQGCFEEMRISYIRELNRTIARTEKNAVQCWQRFYQLTKLLXCMQDLVSKLLEF
HagfishCR 507 MKAVLLLSTIPKEGLKCQTSFEELRMTYIRELHRAVGQQTSSPVQCWKRFYQLTRLLDSMHNLVGGLLEF
AncestralCR 135 MKVLLLLSTVPKDGLKSQASFDEMRMNYIKELGRAIAKKENNSSQNWQRFYQLTKLLDSMHDLVGGLLQF
H8
H9
H10/H11
S949
H950
E962
HumanMR 942 CFYTFRESHALKVEFPAMLVEIISDQLPKVESGNAKPLYFHRK 984
SkateMR 360 CFYTFVESKALKIEFPDMLVEIINDQLPEVTTGMTKSLLFHKK 402
HumanGR 736 CFQTFLD-KTMSIEFPEMLAEIITNQIPKYSNGNIKKLLFHQK 777
SkateGR 275 CFYTFMQSKTLSVEFPEMLVEIISNQLPKVMAGMAKHLRFHHK 317
LampreyCR 396 CFATFTQTQVWSVEFPDMMAEIISAQLASHHGREARALHFHKK 438
HagfishCR 577 CFMTFTQSELWSVEFPEMMSEIITAQLPHVLAGHAHALRFHKK 619
AncestralCR 205 CFYTFVQSQALSVEFPEMLVEIISDQLPKVMAGMAKPLLFHKK 247
H12
AF-2