

A

F5B8W4_β6 MIKMRVRFPTLVLLLGIVFLMAVSIGIAYGEKNVIKNHERPQEREQEERDPRQQPRPHHQEEQEREHRREEERDREPSRGRSESEESREEEREQRREPRREREQEQQPQHGRREEEEE--
F5B8W2_β4 MIKMRVRFPTLVLLLGIVFLMAVSIGIAYGEKNVIKNHERPQEREQEERDPRQQPRPHHQEEQEREHRREEERDREPSRGRSESEESREEEREQRREPRREREQEQQPQHGRREEEEE--
F5B8W1_β3 MAKMRVRFPTLVLLLGIVFLMAVSIGIAYGEKNVLKNHERPQEREQEERDPRQQPRPHHQEEQEREHRRE-----SEESQEEEREQRREPRREREQEQQPQHGRREEEEE--
F5B8W0_β2 MANMRVKFPTLVLLLGIVFLMAVSIGIAYGEKNAIKNHERPQEREQEERDPRQQPRPHHQEEQEREHGREERNREPSRGRSESEESREEEREQRREPSRGREQEQQPQHGRREEEEE--
F5B8W5_β5 MAKMRVRFPMVLVLLLGIVFLMAVSIGIAYGEKDVKNPERPEERQEERDPRQPPRSRQQEEQEREHRREKERDREPSRGRSESKQSQEEERERRKEHDREREQEQQPQYGRRHEEEEEKG
F5B8W3_β7 MARMRVRFPTLVLLLGILFLMAVSIGIAYGEKDVKNHERPGEREHEERDPRQQPRPRKQEEQEREHRREEEHDRDPSRGRSESEERQEEERERRREPCREREQEQQPQHGRREEEEE--
F5B8V9_β1 MAKMRVRLPMLLILLGVVFLLAASIGIAYGEKDFTKNP--PKEREEEEHEPRQQPRPRQQEEQEREHRREEKHDGEPGRGRSQSEESQEEEHERRREHHREREQEQQPRPQRRQEEEEEE
Consensus * .***:.* *:****:***:*.*****: ** * **:.*:*** **.:***** ** *: :****:***: * *****: **.****

F5B8W4_β6 ----WQPRRQRPQSRREEREQEQQSSSSSRQSAYERREQREEREQE-----QEQGSRSDSRRQRNPYYFSSERFQTLYRNRNGQIRVLER
F5B8W2_β4 ----WQPRRQRPQSRREEREQEQQSSSSSRQSGYERRE---EREQE-----QEQGSRSDSRRQRNPYYFSSERFQTLYRNRNGQIRVLER
F5B8W1_β3 ----WQPRRQRPQSRREEREQEQQSSSSSRQSGYERREQREEREQE-----QEQGSRSDSRRQRNPYYFSSERFQTLYRNRNGQIRVLER
F5B8W0_β2 ----WQPRRQRPQSRREEREQEQQSSSSSGRQSGYERREQREEREQQ-----QEQDSRSSESRQRNPYYFSYERFQTLYKNRNGQIRVLER
F5B8W5_β5 EEEEEGQARRQRPQRRREEREQEQQSSSESRRQSGDERHRHREKREQREEREQEQQSSSGRQSDYGRRQRHEGREQREEREQEQQSSSESHRLRNPYYFSSERFQTRYKNKNGQIRVLER
F5B8W3_β7 --EEEWQPRRLRPQSRKEEREQEQQSSSSSRKQSGYERRQYHERREQRDEKE-----KEQDSRSDSRRQRNPYHFSSERFQTRYRNRNGQIRVLER
F5B8V9_β1 EEWQPRRQRPQSRREEREEREQEQQSSSGSQRGSGDERRQHRERRVHREERE-----QEQDSRSDSRRQRNPYHFSSNRFQTIYRNRNGQIRVLER
Consensus : * : .:***** * : *. ***. .* :. :*. * *:.* *****:*** :**** *:*:*****

F5B8W4_β6 FDKRTDRLNLQNYRIVEFQSKPNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDNQNLRVVKLAIPINNPGNFYDFYPSSSKDQQSYFSGFSR
F5B8W2_β4 FDQRTDRLNLQNYRIVEFQSKPNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDNQNLRVVKLAIPINNPGNFYDFYPSSSKDQQSYFSGFSR
F5B8W1_β3 FDQRTNRLNLQNYRIVEFQSKPNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDNQNLRVVKLAIPINNPGNFYDFYPSSSKDQQSYFSGFSK
F5B8W0_β2 FDQRTNRLNLQNYRIVEFQSKPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEHGDALRLPAGTTSYILNPDDNQNLRVVKLAIPINNPGNFYDFYPSSTKDQQSYFNGFSR
F5B8W5_β5 FDQRTNRLNLQNYRIVEFQSRPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRLPAGTTSYILNPDDNQDLRVVKLAIPINNPGKFYDFYPSRTKDQQSYFSGFSK
F5B8W3_β7 FDQRTNRLNLQNYRIVEFQSNPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRVPAITTSYILNPDDNQNLRVVKLAIPINNPSNFYDFYPSSTKDQQSYFSGFSK
F5B8V9_β1 FNQRTNRLNLQNYRIIEFQSKPNTLILPKHSDADFILVVLNGRATITIVNPDKRQVYNLEQGDALRLPAGTTSYILNPDDNQNLRVAKLAIPINNPGKLYDFYPSSTKDQQSYFSGFSK
Consensus *:***:*****:****.*****:***** ***** *****:*****:***.*****.:***** :*****.***:

F5B8W4_β6 NTLEATFNTRYEEIQRILLGNEDEQEDDEQRHGQEESHQDEGVIVRVSKEQVQELRKYAQSSSRKKGKPSKSGPFNLSNKPIYSNKFGNFYEITPNRNPQAQDLDISLTFIEINEGALLL
F5B8W2_β4 NTLEATFNTRYEEIQRILLGNEDEQEDDEQRHGQEESHQDEGVIVRVSKEQVQELRKYAQSSSRKKGKPSKSGPFNLSNKPIYSNKFGNFYEITPNRNPQAQDLDISLTFIEINEGALLL
F5B8W1_β3 NTLEATFNTRYEEIQSILLGNEDEQEDDEQWHGQEESHQDEGVIVRVSKEQVQELRKYAQSSSRKKGKPYESGPFNLSNKPIYSNKFGNFYEITPDRNPQAQDLDISLTFIEINEGALLL
F5B8W0_β2 NTLEATFNTRYEEIQRILLGNEDEQEDDEQSRGQEESHQDQGVIVRVSKEQIQELRKHAQSSSGKGKPSSESGPFNLSDEPIYSNKFGNFYEITPDRNPQAQDLDISLTFIEINEGGLLL
F5B8W5_β5 NTLEATFNTHYEEIQRILLGYEDEQEDDEQRREQEESHQDEGVIVRVSKEQIQELRKHAQSSSRKKGKPSSESGPFNLSNEPIYSNKFGNFYEITPDRNPQVQDLDISLTFIEISEGALLL
F5B8W3_β7 NTLEATFNTRYEEIQRILLGNEDEQEDDEQRRGQEESYQDEGVIVRVSKEQIQELRKHAQSSSRKKGKPSSESGPFNLSNESIYSNKFGNFYEITPERNPQVQDLDISLTFIEINEGALLL
F5B8V9_β1 NTLEATFNTRYEEIERVLLGDDELQENKQRRGQEESHQDEGVIVRVSKEQIQELRKHAQSSSGEGKPSSESGPFNLSNKPIYSNKFGNFYEITPDINPQFQDLNISLTFIEINEGALLL
Consensus *****:****: :** :: **:.* : ****:***:*****:***:*****:*** :*** :*****:*.*****:*** ***:*** * **.*.***

F5B8W4_β6 PHYNSKAI FVVLVDEGE GNYELVGIRDQQRQQDEQE-----VRRYSARLSEGDIFV IPAGHPISINASSNFRLLGFGINADENQRNFLAGFEDNVIRQLDREVKGLTFPGFAEDVE
F5B8W2_β4 PHYNSKAI FVVLVDEGE GNYELVGIRDQQRQQDEQE-----VRRYSARLSEGDIFV IPAGHPISINASSNLRLLLGFGINADENQRNFLAGSEDNVIRQLDTEVKGLTFPGSTEDVE
F5B8W1_β3 PHYNSKAI FVVVVDEGE GNYELVGIRDQQRQQDEQE-----VRRYSARLSEGDIFV IPAGHPISINASSNLRLLLGFGINADENQRNFLAGSEDNVIRQLDREVKGLTFPGSAEDVE
F5B8W0_β2 PHYNSKAI FVVVVDEGE GNYELVGIRDQERQQDEQE QEE-----VRRYNAKLSEGDIFV IPAGHPISINASSNLRLLLGFGINADENQRNFLAGSEDNVIRQLDKEVKGLTFPGSVEDVE
F5B8W5_β5 PHYNSKAI FVIVVDEGE GNYELVGIRNQQRQQDEQEVEE-----VRSYNARLSEGDILV IPAGHPLSINASSNLRLLLGFGINADENQRNFLAGSEDNVIRQLDREVKELTFPGSAEDVE
F5B8W3_β7 PHYNSKAI FIVVVDEGE GNYELVGIRDQQRQQDEQE EEEE----EVRYSARLSEGDIFV IPAGYPISVNASSNLRLLLGFGINANENQRNFLAGSEDNVISQLDREVKELTFPGSAQDVE
F5B8V9_β1 PHYNSKAI FIVVVDEGE GNYELVGIRDQQRQQDEQE EEEYEQGE EEVRRYSDKLSKGDVFI IPAGHPLSINASSNLRLLLGFGINANENQRNFLAGSEDNVIKQLDREVKELTFPGSIEDVE
Consensus *****:***:*****:***:***** ** *. :***:***:****:***:*****:***** ***** ***** * ** :***

F5B8W4_β6 RLIKNQQQSYFANAQPQQQQQ-REREGRHGRRGHIFSILSTLY-----
F5B8W2_β4 RLIKNQQQSYFANAQPQQQQQ-REREGRRGRRGHISILSTLY-----
F5B8W1_β3 RLIKNQQQSYFANAQPQQQQQ-REREGRHGRRGHISILSTLY-----
F5B8W0_β2 RLIKNQQQSYFANAQPQQQQQ-REKEGRRGRRGLSFPFRSLFTKLLSTIM
F5B8W5_β5 RLIRNQQQSYFANAQPQQQQQQREKEGRRGRRGPISILSALY-----
F5B8W3_β7 RLIKNQQQSYFANAQPQQKQQ-REKEGRRGRRSLISSILSTLY-----
F5B8V9_β1 RLIKNQQQSYFANAQPQQQQQ-REKEGRRGRRGPISILNALY-----
Consensus ***:*****:*** **:***:***. .: . :

F5B8V9_β1	EQDSRSDSRQRNPYHFSSNRFTQTYRNRNGQIRVLERFNRQRTNRLENLQNYRIIEFQSK PNTLILPKHSDADFILVVLNGRATITIVNPDKRQVYNLEQGDALRLPAGTTSYILNPDDN
F5B8W3_β7	EQDSRSDSRQRNPYHFSSERFQTRYRNRNGQIRVLERFDQRTNRLENLQNYRIVEFQSN PNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRVPAGTTSYILNPDDN
F5B8W2_β4	EQGSRSDSRQRNPYYFSSERFQTLYRNRNGQIRVLERFDQRTDRLENLQNYRIVEFQSK PNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDN
F5B8W4_β6	EQGSRSDSRQRNPYYFSSERFQTLYRNRNGQIRVLERFDKRTDRLENLQNYRIVEFQSK PNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDN
F5B8W1_β3	EQGSRSDSRQRNPYYFSSERFQTLYRNRNGQIRVLERFDQRTNRLENLQNYRIVEFQSK PNTLILPKHSDADYILVVLNGSATITIVNPDKRQSYNLENGDALRLPAGTTSYILNPDDN
F5B8W2_β2	EQDSRSESRRQRNPYYFSYERFQTLYKNRNGQIRVLERFDQRTNRLENLQNYRIVEFQSK PNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEHGDALRLPAGTTSYILNPDDN
F5B8W5_β5	EQGSSSESHRLRNPYYFSSERFQTRYKNKNGQIRVLERFDQRTNRLENLQNYRIVEFQSR PNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRLPAGTTSYILNPDDN
Consensus	**.* *:.* *****:**** *:.*:*****:.*:*****:****.*****:***** *****:*****

F5B8V9_β1	QNLRVAKLAIPINNPGKLYDFYPSTTKDQQSYFSGFSKNTLEATFNTRYEEIERVLLGDDELQENЕКQRRGQEQSHQDEGVIVRVSKKQIQELRKHAQSSSGEGKPSES GPFNLRSNKPI
F5B8W3_β7	QNLRVVKLAIPINNPSNFYDFYPSSTKDQQSYFSGFSKNTLEATFNTRYEEIQRILLGNE DEQEDEEQRRGQE QSYQDEGVIVRVSKEQIQELRKHAQSSSRKGKPPSES GPFNLRSNESI
F5B8W2_β4	QNLRVVKLAIPINNPNGFYDFYPSSSKDQQSYFSGFSRNTLEATFNTRYEEIQRILLGNE DEQEDDEQRHGQE QSHQDEGVIVRVSKEQVQELRKYAQSSSRKGKPKSKSGPFNLRSNKPI
F5B8W4_β6	QNLRVVKLAIPINNPNGFYDFYPSSSKDQQSYFSGFSRNTLEATFNTRYEEIQRILLGNE DEQEDDEQRHGQE QSHQDEGVIVRVSKEQVQELRKYAQSSSRKGKPKSKSGPFNLRSNKPI
F5B8W1_β3	QNLRVVKLAIPINNPNGFYDFYPSSSKDQQSYFSGFSKNTLEATFNTRYEEIQSILLGNE DEQEDDEQWHGQE QSHQDEGVIVRVSKEQVQELRKYAQSSSRKGKPYES GPFNLRSNKPI
F5B8W2_β2	QNLRVVKLAIPINNPNGFYDFYPSSTKDQQSYFNGFSRNTLEATFNTRYEEIQRILLGNE DGQEDEEQSRGQE QSHQDQGIVRVSKEQIQELRKHAQSSSGKGKPPSES GPFNLRSDPEI
F5B8W5_β5	QDLRVVKLAIPINNPFGFYDFYPSRIKDQQSYFSGFSKNTLEATFNTHYEEIQRILLGYE DEQEDEEQRRGE QSHQDEGVIVRVSKEQIQELRKHAQSSSRKGKPPSES GPFNLRSDNEPI
Consensus	*:***.*****.:***** :*****.****:*****:*****: *****: ** : *::*: : ****:*:*****:*****:***** :*** :*****:.*

F5B8V9_β1	YSNKFGNFYEITPDINPQFQDLNISLTFTEINEGALLLPHYNSKAIFIVVVDEGEKNYEL VGIRDQQRRQQDEQE EEEYEQGEEEVRRYSDKLSKGDVFII PAGHPLSINASSNLRLLLGFGI
F5B8W3_β7	YSNKFGNFYEITPERNPQVQDLDISLTFTEINEGALLLPHYNSKAIFIVVVDEGEKNYEL VGIRDQQRRQQDEQEE----EEEEVRRYSARLSEGDI FVIPAGYPISVNASSNLRLLLGFGI
F5B8W2_β4	YSNKFGNFYEITPNRNPQAQDLDISLTFIEINEGALLLPHYNSKAIFVVLVDEGEKNYEL VGIRDQQRRQQDEQE-----VRRYSARLSEGDI FVIPAGHPISINASSNLRLLLGFGI
F5B8W4_β6	YSNKFGNFYEITPNRNPQAQDLDISLTFIEINEGALLLPHYNSKAIFVVLVDEGEKNYEL VGIRDQQRRQQDEQE-----VRRYSARLSEGDI FVIPAGHPISINASSNFRLLGFGI
F5B8W1_β3	YSNKFGNFYEITPDRNPQAQDLDISLTFIEINEGALLLPHYNSKAIFVVVVDEGEKNYEL VGIRDQQRRQQDEQE-----VRRYSARLSEGDI FVIPAGHPISINASSNLRLLLGFGI
F5B8W2_β2	YSNKFGNFYEITPDRNPQAQDLDISLTFIEINEGGLLLPHYNSKAIFVVVVDEGEKNYEL VGIRDQERQQDEQE Q-----EEVRRYNAKLSEGDI FVIPAGHPISINASSNLRLLLGFGI
F5B8W5_β5	YSNKFGNFYEITPDRNPQVQDLDISLFTEISEGALLLPHYNSKAIFVIVVDEGEKNYEL VGIRNQQRQQDEQEV-----EEVRSYNARLSEGDI LVIPAGHPLSINASSNLRLLLGFGI
Consensus	*****:: *** **::*** * *.**.* *****:::***** *****: :***** ** *. :*:**::*****: *:*****:*****

F5B8V9_β1	NANENQRNFLAGSEDNVIKQLDREVKELTFPGSIEDVERLIKNQQQSYFANAQPQQQQQ-REKEGRRGRRGPISILNALY-----
F5B8W3_β7	NANENQRNFLAGSEDNVISQLDREVKELTFPGSAQDVERLIKNQQQSYFANAQPQQKQQ-REKEGRRGRRSLISSILSTLY-----
F5B8W2_β4	NADENQRNFLAGSEDNVIRQLDTEVKGLTFPGSTEDVERLIKNQQQSYFANAQPQQQQQ-REREGRRGRRGHISSILSTLY-----
F5B8W4_β6	NADENQRNFLAGFEDNVIRQLDREVKGLTFPGFAEDVERLIKNQQQSYFANAQPQQQQQ-REREGRHGRRGHIFSILSTLY-----
F5B8W1_β3	NADENQRNFLAGSEDNVIRQLDREVKGLTFPGSAEDVERLIKNQQQSYFANAQPQQQQQ-REREGRHGRRGHISSILSTLY-----
F5B8W2_β2	NADENQRNFLAGSEDNVIRQLDKEVKQLTFPGSVEDVERLIKNQQQSYFANAQPQQQQQ-REKEGRRGRRGLSFPRSLFTKLLSTIM
F5B8W5_β5	NADENQRNFLAGSEDNVIRQLDREVKELTFPGSAEDVERLIRNQQQSYFANAQPQQQQQQREKEGRRGRRGPISILSALY-----
Consensus	** :***** ***** ** * * * * :*****:*****:*** ** : : :

C

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

MARMRVRFPTLVLLLGILFLMAVSIGIAYGEKDVIKNHERPGEREHEERDPRQQPRPRKQEEQEREHRREEEHDRDPSRGRRESEERQEEERERRREPCREEREQEQQPQHGR----REEE

MAKMRVRFPM LVLLLG VVFL LAVSIGIAYGEKDVIKNPERPEERQEEERDPRQP PPSRQQEEQEREHRREKERDREPSRGRSESKQSQEEERERRKEHDREREQEQQPQYGRRH EEEEEKG

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

EEEEEWQPRRLRPQSRKEEREQE QGSSSSSRKQSGYERRQ-----YHERREQRDEKEKEQDSRSDSRRQRNPYHFSSERFQTRYRNRNGQIRVLER
-----EQDSRSDSRRQRNPYHFSSERFQTRYRNRNGQIRVLER
EEEEEGQARRQRPQRRREEREQE QGSSSESRRQSGDERRHRHEKREQREEREQE QGSSSGRQSDYGRRQRHEGREQREEREQE QGSSSESHRLRNPYYFSSERFQTRYKNKNGQIRVLER
-----EQGSSSESHRLRNPYYFSSERFQTRYKNKNGQIRVLER
.* **:*: * *:*:**:*:*****

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

FDQRTNRLLENLQNYRIVEFQSNPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRVPAGTTSYILNPDDNQNLRVVKLAIPINNPSNFYDFYPSSTKDQQSYFSGFSK
FDQRTNRLLENLQNYRIVEFQSNPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRVPAGTTSYILNPDDNQNLRVVKLAIPINNPSNFYDFYPSSTKDQQSYFSGFSK
FDQRTNRLLENLQNYRIVEFQSRPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRLPAGTTSYILNPDDNQDLRVVKLAIPINNPGKFYDFYPSRTKDQQSYFSGFSK
FDQRTNRLLENLQNYRIVEFQSRPNTLILPKHSDADYILVVLNGRATITIVNPDKRQAYNLEYGDALRLPAGTTSYILNPDDNQDLRVVKLAIPINNPGKFYDFYPSRTKDQQSYFSGFSK
*****.*****:*****:*****:*****.***** *****

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

NTLEATFNTRYEEIQRILLGNEDEQEDEEQRRGQE QSYQDEGVIVRVSKEQIQELRKHAQSSSRKGKPSESGPFNLRSNESIYSNKFGNFYEITPERNPQVQDLDISLTFTEINEGALLL
NTLEATFNTRYEEIQRILLGNEDEQEDEEQRRGQE QSYQDEGVIVRVSKEQIQELRKHAQSSSRKGKPSESGPFNLRSNESIYSNKFGNFYEITPERNPQVQDLDISLTFTEINEGALLL
NTLEATFNTHYEEIQRILLGYEDEQEDEEQRRQE QSHQDEGVIVRVSKEQIQELRKHAQSSSRKGKPSESGPFNLRSNAPIYSNKFGNFYEITPDRNPQVQDLDISLTFTEISEGALLL
NTLEATFNTHYEEIQRILLGYEDEQEDEEQRRQE QSHQDEGVIVRVSKEQIQELRKHAQSSSRKGKPSESGPFNLRSNAPIYSNKFGNFYEITPDRNPQVQDLDISLTFTEISEGALLL
*****:***** ***** *****:*****.*****:***** *****.*****

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

PHYNSKAIFIVVDEGEGNYELVGIRDQQRQQDEQE EEEEEVRRYSARLSEGDI FVIPAGYPISVNASSNLRLLGFGINANENQRNFLAGSEDNVISQLDREVKELTFPGSAQDVERLIK
PHYNSKAIFIVVDEGEGNYELVGIRDQQRQQDEQE EEEEEVRRYSARLSEGDI FVIPAGYPISVNASSNLRLLGFGINANENQRNFLAGSEDNVISQLDREVKELTFPGSAQDVERLIK
PHYNSKAIFIVVDEGEGNYELVGIRNQQRQQDEQE--VEEVRSYNARLSEGDI LVIPAGHPLSINASSNLRLLGFGINADENQRNFLAGSEDNVIRQLDREVKELIFPGSAEDVERLIR
PHYNSKAIFIVVDEGEGNYELVGIRNQQRQQDEQE--VEEVRSYNARLSEGDI LVIPAGHPLSINASSNLRLLGFGINADENQRNFLAGSEDNVIRQLDREVKELIFPGSAEDVERLIR
*****:*****:***** ***** *.******:*****:*:*****:***** ***** *****:*****:

F5B8W3_β7
F5B8W3_tβ7
F5B8W5_β5
F5B8W5_tβ5
Consensus

NQQQSYFANAQPQQKQQ-REKEGRRGRRSLISSILSTLY
NQQQSYFANAQPQQKQQ-REKEGRRGRRSLISSILSTLY
NQQQSYFANAQPQQQQQQREKEGRRGRRGPISILSALY
NQQQSYFANAQPQQQQQQREKEGRRGRRGPISILSALY
*****:*** *****. *****:***

D

F5B8W5_β5
F5B8W3_β7
Consensus

MAKMRVRFPM LVLLLG VVFL LAVSIGIAYGEKDVIKNPERPEERQEEERDPRQP PPSRQQEEQEREHRREKERDREPSRGRSESKQSQEEERERRKEHDREREQEQQPQYGRRH EEEEEKG
MARMRVRFPTLVLLLGILFLMAVSIGIAYGEKDVIKNHERPGEREHEERDPRQQPRPRKQEEQEREHRREEEHDRDPSRGRRESEERQEEERERRREPCREEREQEQQPQHGR EEEEE--
*:***** *****:*:***** ***** **.****** **.*:*****:*:***** *:*: *****:***** *****:***.****

F5B8W5_β5
F5B8W3_β7
Consensus

EEEEEGQARRQRPQRRREEREQE QGSSSESRRQSGDERRHRHEKREQREEREQ
--EEEWQPRRLRPQSRKEEREQE QGSSSSSRKQSGYERRQYHERREQRDEKEK
*** *.* ** * *:*****.***:*** **: *:*****:***: