

ITK_Hs
TEC_Hs
BMX_Hs
BTK_Hs
TXK_Hs
ABL_Hs

TRLRYPVCFGRQKAPVTAGRLRYGKWIIPSELTFVVEIGSGQFGLVHLGYWLNK-DKVAI
TRLRYPVSVKGNAPPTAGFVSYEKWEINPSELTFVRELGSGLFVVRLGKWRAG-YKVAI
TRLRHPVSTKANKVPDSVSLGNGIWEIKREEITLLKELGSGQFGVVOLGKWKGO-YDVAI
SRLLKYPVSOONKNAPSTAGLGYGSWEIDPKDLTFLKELGTGQFGVVKYGKWRGO-YDVAI
TRLRYPVGLMGSCLPATAGFVSYEKWEIDPSELAFIKEIGSGQFGVVHLGEWRSH-IQVAI
TTLHYPAKRNKPTVYGVSPNYDKWEMERTDITMKHKLGGQYGEVYEGVWKKYSILTVAI

: * : : * * : . : : : : * * : * * * * * * * * * * * * * * *
gatekeeper

ITK_Hs
TEC_Hs
BMX_Hs
BTK_Hs
TXK_Hs
ABL_Hs

KTIREGAMSEEDFIEEAQVMMKLSHPKLVQLYGVCLLEQAPICLVFEFMEHGCLSDYLRTO
KAIREGAMCEEDFIEEAQVMMKLSHPKLVQLYGVCTOOKPIYIVTEFMERGCLLNFIQR
KMIKEGSMSEDEFQEAOTMMKLSHPKLVKFGVCSKEYPIYIVTEYISNGCLLNYLRSH
KMIKEGSMSEDEFIEEAQVMMNLSHEKLVQLYGVCTKORPIFIITEYMANGCLLNYLREM
KAINEGSMSEEDFIEEAQVMMKLSHSHKLVQLYGVCIQRKPLYIVTEFMENGCLLNYLREN
KTLKEDTMEVEEFLKEAAVMKEIKHPNLVOLLGVCTREPPFYIITEFTMYGNLLDYLRER

* : . * . : * : : : : * * * : : * : : * : : * : : * : : * * * * * * : : * * : : * * * * * *

ITK_Hs
TEC_Hs
BMX_Hs
BTK_Hs
TXK_Hs
ABL_Hs

-RGLFAAETLLGMCLDVCEGMAYLEEACVHRDLAARNCLVGENOVIVKVSDFGMTRFVLD
-OGHFHRDVLLSMCODVCEGMEYLERNSFIHRDLAARNCLVSEAGVVKVSDFGMARVFLD
-GKGLLEPSOLLEMCYDVCEGMAFLESQHFHRDLAARNCLVDRDLQVVKVSDFGMTRYVLD
-RHRFOTOOLLEMCQDVCEAMEYLESQFLHRDLAARNCLVNDQGVVKVSDFGLSRYVLD
-KGLLRKEMLLSVCODICEGMEYLERNGVIHRDLAARNCLVSSSTCIVKISDFGMTRYVLD
NROEVNAVVLVLYMATOISSAMEYLEKKNFIHRDLAARNCLVGENHLLVKVADFGLSRLMTG

. * * : . : : . . . * : * * : * : * : *

ITK_Hs
TEC_Hs
BMX_Hs
BTK_Hs
TXK_Hs
ABL_Hs

DOYTSSTGTFKFPVKWASPEVFSFVSRYSSKSDVWSFGVLMWEVVFSEGKIPYENRNSNSEVVE
DOYTSSSGAKFPVKWCPPEVFNFYSRFSKSDVWSFGVLMWEVVFTEGRMPFEKYTNVEVVT
DOYVSSVGTFKFPVKWASPEVVFHYFKYSSKSDVWAFGILMWEVFLGKQPVDLYDNQOVVL
DEYTSSSVGSKFPVVRWSPPEVLMYSKFSKSDIWFAGVLMWEIYSLGKMPYERFTNSSETAE
DEYVSSFGAKFPPIKWSPPPEVFLFNKYSSKSDVWSFGVLMWEVVFTEGKMPFENKSNLQVVE
DTYTAHAGAKFPPIKWTAPESLAYNKFSIKSDVWAFGVLWEIATYGMSPYPGIDLQVYE

* * : . * : * * : * * : : : *