

Fig S1A Sequence alignment of Vhp isoforms

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CAI80435.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ANI73772.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AGO29166.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ADL22693.1 -----MKRKVLVLTMGVICATQLWHPNHANALV 28
CCG15434.1 -----MKRKVLVLTMGVLCATQLWHSNHANALV 28
ADI97346.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
BAB94633.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AGU60934.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AMV84570.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
BAB41978.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
BAF77693.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ABR51687.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ADC36980.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AQD18902.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
CCJ10585.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
CAG39854.1 -----MKRKVLVLTMGVLCATQLWQTNNAKALV 28
ADQ77850.1 -----MKRKVLVLTMGVLCATQLWQTNNAKALV 28
AIO20462.1 -----MKRKVLVLTMGVLCATQLWQTNNAKALV 28
CRL33498.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AFH69102.1 MFLKYWYIIFNGEENRVKKSVFKSKQIRELKQLKRRKVLVLTMGVLCATQLWQTNNAKALV 60
ABD29944.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AEW64856.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ABD21761.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AAW36414.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
ELP41198.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
EJE56573.1 -----MGVICATQLWHSNHANALV 19
CBI48744.1 -----MKRKVLVLTMGVICATQLWHSNHANALV 28
AEV77849.1 -----MKRKVLVLTMGIIICATQLWHSNHVNALV 28
ALQ99050.1 -----MKRKVLVLTMGIIICATQLWHSNHVNALV 28
AGU54604.1 -----MKRKVLVLTMGIIICATQLWHSNHVNALV 28
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CAI80435.1 TES IETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
ANI73772.1 TESVETNFVVKDS DNKNILQTHSEITTEEKFSIVEKSQLN----- 68
AGO29166.1 TESVETNFVVKDS DNKNFLQTHTEITTEEKFSIVEKSQLN----- 68
ADL22693.1 TES IETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
CCG15434.1 TESVETNFVVKDS GNNNLLQTHTEITTEEKFSIVEKSQLN----- 68
ADI97346.1 TESVETNFVVKDS DNENVLQTHTEITTEEKFSIVEKSQLN----- 68
BAB94633.1 SESVETNFVVKDS DNKNILQTHTEITTEEKFSVVEKSQLN----- 68
AGU60934.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSVVEKSQLN----- 68
AMV84570.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSVVEKSQLN----- 68
BAB41978.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
BAF77693.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
ABR51687.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
ADC36980.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
AQD18902.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
CCJ10585.1 TESVETNFVVKDS DNKNILQTHTEITTEEKFSIVEKSQLN----- 68
CAG39854.1 T E S G V N D ----- T K Q F T E V T S E E K V I K D A I S K V N E S F I Y P Q N D L K G L G G E H N D 77
ADQ77850.1 T E S G V N D ----- T K Q F T E V T S E E K V I K D A I S K V N E S F I Y P Q N D L K G L G G E H N D 77
AIO20462.1 T E S G V N D ----- T K Q F T E V T S E E K V I K D A I S K V N E S F I Y P Q N D L K G L G G E H N D 77
CRL33498.1 T E S G A Y D ----- T K Q F T E I V S E E K V I K D S I S K V N E S F I Y P Q N D L K G L G G E H N D 77
AFH69102.1 H E S G V N D ----- T K Q F T E V T S E E K V I T V E H A Y I N ----- 89
ABD29944.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57
AEW64856.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57
ABD21761.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57
AAW36414.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57
ELP41198.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57
EJE56573.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 48
CBI48744.1 T E S G A N D ----- T K Q F T E I V S E E K V I T V E H A Q I N ----- 57

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CBI48744.1	<u>VENYKDTQSADARMKAKQKVNTLSKPHQNYFNKQIDKVYNGLQR</u> ----	156
AEV77849.1	<u>VENYKDTQSADARMKAKQKVNTLSKPHQNYFNKQIDKVYNGLQR</u> ----	156
ALQ99050.1	<u>VENYKDTQSADARMKAKQKVNTLSKPHQNYFNKQIDKVYNGLQR</u> ----	156
AGU54604.1	-----	112

Fig S1B. Sequence alignment of vWbp isoforms

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AMV79382.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALSVSGQKSNNSLEQYKESLN 60
AFH69100.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLNNDNKSLSLEKYKESLR 60
AMV84568.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLNNDNKSLSLSLEKYKESLR 60
CRL33493.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYVSESLKLNNDNKSLSLSLEKYKESLR 60
ANI73770.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYVSKALSVSGQKSNNTLTKQYKDSL 60
EJE56571.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALS IKGQKTNSWNLGQYKDSL 60
CAI80433.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYVSKALS IKGQKTNSWNLGQYKDSL 60
CCG15432.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALS IKGQKTNSWNLGQYKDSL 60
AEV77847.2 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYVSKALSVSGQKSNNTLTKQYKDSL 60
ALQ99048.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYVSKALSVSGQKSNNTLTKQYKDSL 60
BAF77691.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKDKNKSNKSNYENYRDSLE 60
AQD18904.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKDKNKSNKSNYENYRDSLE 60
ABR51685.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKDKNKSNKSNYENYRDSLE 60
ADC36978.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKDKNKSNKSNYENYRDSLE 60
CCJ10583.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKDKNKSNKSNYENYRDSLE 60
ADI97344.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSKALELKGTSNKSNYENYRESLE 60
ABD20992.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTNNKNKSRVVEEYKKS LD 60
CBI48742.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTNNKNKSRVVEEYKKS LD 60
AAW36412.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTNNKNKSRVVEEYKKS LD 60
ELP41199.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTNNKNKSRVVEEYKKS LD 60
AGO29164.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTGSKSTGVT PAMYKENLE 60
ADQ77852.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYKSESLKLNKGRSTTITSDKYEENLD 60
AIO20460.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYKSESLKLNKGRSTTITSDKYEENLD 60
AEW64854.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEENPYKSESLKLNKGRSTTITSDKYEENLD 60
AGU54602.1 MKNKLLVLSL GALCVS QIWEYNRASAVVSGEKNPYKSESLKLTGKRNSVTPVMYKENLE 60
ADL22691.1 MKNKLLVLSL GALCVS QIWESNRASAVVSGEKNPYVSESLKLTGSKSTVVT PAMYKENLE 60
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AMV79382.1 KLITSIDIQDHDGYDELEYKDINEKYQKKFLAEIDALNKFI DEERKIAYYSKN--NIQIP 118
AFH69100.1 SIMCTKEINKNDGYDEPEYKEALD TYRKKLFAELDALNKFLDEERKIASYIKK--NMEVP 118
AMV84568.1 SIMCTKEINKNDGYDEPEYKEALN TYRKKLFAELDALNKFLDEERKIASYIKK--NMEVP 118
CRL33493.1 SIMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIASYIKK--NMEVP 118
ANI73770.1 SVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERTITIKKKS--NENVS 118
EJE56571.1 TVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIESSKKN--NNQVA 118
CAI80433.1 TVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIESSKKN--NNQVP 118
CCG15432.1 TVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIESSKKN--NNQVA 118
AEV77847.2 SVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIESSKKN--NNQVP 118
ALQ99048.1 SVMCTSEINKNDGYDEPEYKEAMDTYRKKLFAELDALNKFLDEERKIESSKKN--NNQVP 118
BAF77691.1 SLISSLSFADYEKYEEPEYKAVK KYQQKFMAEDDALKNFLNEEKKIKNADI----SRKS 116
AQD18904.1 SLISSLSFADYEKYEEPEYKAVK KYQQKFMAEDDALKNFLNEEKKIKNADI----SRKS 116
ABR51685.1 SLISSLSFADYEKYEEPEYKAVK KYQQKFMAEDDALKNFLNEEKKIKNADI----SRKS 116
ADC36978.1 SLISSLSFADYEKYEEPEYKAVK KYQQKFMAEDDALKNFLNEEKKIKNADI----SRKS 116
CCJ10583.1 SLISSLSFADYEKYEEPEYKAVK KYQQKFMAEDDALKNFLNEEKKIKNADI----SRKS 116
ADI97344.1 NLI FLSL FADYEKYEEPEYNAV KKYQQKFMAEDDALKTF LSEKKLEKTD S----SRNS 116
ABD20992.1 DLIWSFPNLDNERFDNPEYKEAMK KYQQRFMAEDEALKKFFSEEKKIKNGN-----TDN 114
CBI48742.1 DLIWSFPNLDNERFDNPEYKEAMK KYQQRFMAEDEALKKFFSEEKKIKNGN-----TDN 114
AAW36412.1 DLIWSFPNLDNERFDNPEYKEAMK KYQQRFMAEDEALKKFFSEEKKIKNGN-----TDN 114
ELP41199.1 DLIWSFPNLDNERFDNPEYKEAMK KYQQRFMAEDEALKKFFSEEKKIKNGN-----TDN 114
AGO29164.1 SLISSLSFADYEKYEEPEYKEAVK KYQQKFMAEDDALKKFFSEEKKIKNRNTNT-----NT 116
ADQ77852.1 MLISSLSFADYEKYEEPEYKEAVK KYQQKFMAEDDALKKFFSEEKKIKNRNT-----NT 114
AIO20460.1 MLISSLSFADYEKYEEPEYKEAVK KYQQKFMAEDDALKKFFSEEKKIKNRNT-----NT 114
AEW64854.1 MLISSLSFADYEKYEEPEYKEAVK KYQQKFMAEDDALKKFFSEEKKIKNRNTNTNTNTNT 120
AGU54602.1 KLIASLSFADYEKYEEPEYKEAVK TYQQKFMAEDAALKKFFFREEKHIKE-----NTNT 113
ADL22691.1 SLISSLSFADYEKYEEPEFKDVVK KYQQRFMAEDAALKKFFFREEYFIKE-----NKNS 113
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AMV79382.1 ADILGLTHERYLKIYESLQENKKEFDIESKKIEEKHP ELKRYGNEEYQANVKLNELENK 178
AFH69100.1 SNILGLTHGRYTAIYNAIKENKKEFEKNVENIESKHLDLKRFDEDKDYEARVKLNELENK 178
AMV84568.1 SNILGLTHGRYTAIYNAIKENKKEFEKNVEKIESKHLDLKRFDEDKDYEARVKLNELENK 178
CRL33493.1 SNILGLTHGRYTAIYNAIKENKKEFEKNVENIESKHLDLKRFDEDKDYEARVKLNELENK 178
ANI73770.1 EDILGLTHQRYAAIHQGIKDNKA EFEKKVESIENKYS DLKKFDEVKDKVRDELNELENK 178

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ABR51685.1 KKIQQERPESIPALTSEKN--HNQTMALKLKADTEAAKNDVSK---RSKRSLNTQNNKST 291
ADC36978.1 KKIQQERPESIPALTSEKN--HNQTMALKLKADTEAAKNDVSK---RSKRSLNTQNNKST 291
CCJ10583.1 KKIQQERPESIPALTSEKN--HNQTMALKLKADTEAAKNDVSK---RSKRSLNTQNNKST 291
ADI97344.1 KEIKQERPENIPALTSKDN--HNQSMALKLKSDTEAAKTDVSK---RSKRSLNSQYKYST 291
ABD20992.1 SDIDKTRPNNIPVLEDEKQEENHKNMAQLKSDTEAAKSDESKRSKRSLNTQNHKPA 294
CBI48742.1 SDIDKTRPNNIPVLEDEKQEENHKNMAQLKSDTEAAKSDESKRSKRSLNTQNHKPA 294
AAW36412.1 SDIDKTRPNNIPVLEDEKQEENHKNMAQLKSDTEAAKSDESKRSKRSLNTQNHKPA 294
ELP41199.1 SDIDKTRPNNIPVLEDEKQEENHKNMAQLKSDTEAAKSDESKRSKRSLNTQNHKPA 294
AGO29164.1 GEIGQQRPTS IPTLAPKEEKETNTNNANKLKSDETEAAKNDKTRSKRSKRSLNTHNHKSA 296
ADQ77852.1 GEIGQQRPTS IPTLAPKEEKETNIKANKLKSDETEAAKNDKTRSKRSKRSLNTHNHKSA 288
AIO20460.1 GEIGQQRPTS IPTLAPKEEKETNIKANKLKSDETEAAKNDKTRSKRSKRSLNTHNHKSA 288
AEW64854.1 GEIGQQRPTS IPTLAPKEEKETNTNNANKLYDTEAAKTDKTRSKRSKRSLNTHNHKSA 300
AGU54602.1 EEIGKQRP INIPTLASEKEKETNAKNANKLRADTEDAINDENKRCNRSKRSKRSLNTQNHKPA 292
ADL22691.1 EEINKERPKDIPVLSEYEH--ENKEKAITLKSDETEAAKNDKTRSKRSKRSLNTQNHKSA 290
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AMV79382.1 INEVTEEQKANYEKKFKEIKERFLAKQKYKNNTPVVSLYEDEDN-----ENDKQLVVA 347
AFH69100.1 INEVTAEQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN---ENENDKQLVVA 349
AMV84568.1 SQEVTAEQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN-----ENDKQLVVA 347
CRL33493.1 SREVTAEQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN-----ENDKQLVVA 344
ANI73770.1 SQEVTAEQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN-----ENDKQLVVA 347
EJE56571.1 SQEVTAEQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN-----ENDKQLVVA 344
CAI80433.1 SQEVSEQQKAEYERKAEERKEKFLAKNK---DNPVVS LI DDEDDN-----ENDKQLVVA 344
CCG15432.1 INEVTEEQKANYEKKFKEIKERFLAKQKKNNTPVVSLYEDEDN-----ENDKQLVVA 347
AEV77847.2 INEVTEEQKANYEKKFKEIKERFLAKQKKNNTPVVSLYEDEDN-----ENDKQLVVA 347
ALQ99048.1 INEVTEEQKANYEKKFKEIKERFLAKQKKNNTPVVSLYEDEDN-----ENDKQLVVA 347
BAF77691.1 TQEISEEQKAEYQKSEALKERFINRQKSK-NESVVS LI DDED-----DNENDRQLVVA 345
AQD18904.1 TQEISEEQKAEYQKSEALKERFINRQKSK-NESVVS LI DDED-----DNENDRQLVVA 345
ABR51685.1 TQEISEEQKAEYQKSEALKERFINRQKSK-NESVVS LI DDED-----DNENDRQLVVA 345
ADC36978.1 TQEISEEQKAEYQKSEALKERFINRQKSK-NESVVS LI DDED-----DNENDRQLVVA 345
CCJ10583.1 TQEISEEQKAEYQKSEALKERFINRQKSK-NESVVS LI DDED-----DNENDRQLVVA 345
ADI97344.1 SKEVSEQQKADYERKAEERKARFLDRQKSK-KEPVVSLYEYDFEHKQRFNANEKQLVVA 350
ABD20992.1 SQEVSEQQKAEYDKRAEERKARFLDNQKIK-KTPVVS LEYDFEHKQRIDNENDKQLVVA 353
CBI48742.1 SQEVSEQQKAEYDKRAEERKARFLDNQKIK-KTPVVS LEYDFEHKQRIDNENDKQLVVA 353
AAW36412.1 SQEVSEQQKAEYDKRAEERKARFLDNQKIK-KTPVVS LEYDFEHKQRIDNENDKQLVVA 353
ELP41199.1 SQEVSEQQKAEYDKRAEERKARFLDNQKIK-KTPVVS LEYDFEHKQRIDNENDKQLVVA 353
AGO29164.1 SQEVTAEQKADYERKAEERKARFLDRQKSK-KEPVVSLYEYDFEHKQRVDNANDKQLVVA 355
ADQ77852.1 SKEVSEQQKADYERKAEERKARFLDRQKSK-KTPVVS LEYDFEHKQRVDNENDKQLVVA 347
AIO20460.1 SQEVSEQQKADYERKAEERKARFLDRQKSK-KTPVVS LEYDFEHKQRVDNENDKQLVVA 347
AEW64854.1 SKEVTAEQKAEYKRAEERKARFLDRQKSK-KEPVVSLYEYDFEHKQRFNANEKQLVVA 359
AGU54602.1 SQEVSEQQKADYERKAEERKARFLDRQKSK-QTPVVS LEYDFEHKQRVDNANDKQLVVA 351
ADL22691.1 SQEVSEQQKAEYKRAEERKARFLDRQKSK-QTPLMS LEYDFEHKQRVDNENDKQLVVA 349
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AMV79382.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 407
AFH69100.1 PTNKPTTLPPTYTETTTQVPMPPTVERQTQQQIVYKAPKPLAGLNGESHDFTTTHQSPTTSN 409
AMV84568.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 407
CRL33493.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 404
ANI73770.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLARLNGESHDFTTTHQSPTTSN 407
EJE56571.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 404
CAI80433.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNTPKQLAGLNGESHDFTTTHQSPTTSN 404
CCG15432.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 407
AEV77847.2 PTKKPTTPTTYTETMTQVPMPPTVERQAHQQIVYKAPKQLAGLNGESHDFTTTHQSPTTSN 407
ALQ99048.1 PTKKPTTPTTYTETMTQVPMPPTVERQAHQQIVYKAPKQLAGLNGESHDFTTTHQSPTTSN 407
BAF77691.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 405
AQD18904.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 405
ABR51685.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 405
ADC36978.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 405
CCJ10583.1 PSKKPTTPTTYTETTTQVPMPPTVERQTQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 405
ADI97344.1 PTKKPT-PPTYTETTTQVPMPPTVERQTQEQIVYKAPKQLAGLNGESHDFSTTHQTPTTSN 409
ABD20992.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 413
CBI48742.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 413
AAW36412.1 PTKKPTTPTTYTETTTQVPMPPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 413

ELP41199.1 PTKKPTSPTTYTETTTQVPMPTVERQTQQQIIYNAPKQLAGLNGESHDFTTTHQSPTTSN 413
AGO29164.1 PTKKPTLP-TYTETTTQVPMPTVERQTQEQIVYKAPKQLAGLNGESHNFSTTHQTPIITSN 414
ADQ77852.1 PSKKPTTPTTYTETTTQLPMPTVERQTQQQIVYKAPKPLAGLNGESHDFTTTHQSPTTSN 407
AIO20460.1 PSKKPTTPTTYTETTTQLPMPTVERQTQQQIVYKAPKPLAGLNGESHDFTTTHQSPTTSN 407
AEW64854.1 PTKKPTTPTTYTETTTQVPMPTVERQTQQQIVYKTPKPLVGLNGESHDFTTTHQSPTTSN 419
AGU54602.1 PTKKPTSPTSYPYETTTQVPMPTVERQTQQQIVYKAPKQLAGLNGESHDFTTTHQSPTTSN 411
ADL22691.1 PTKKPTTPTTYTETTTQVPMPTVERQAOQQQIVYKTPKPLAGLNGESHDFTTTHQSPTTSN 409
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AMV79382.1 HTHNNHIEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
AFH69100.1 HTHNNHIEIEETSALPSRKTGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 469
AMV84568.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
CRL33493.1 HTHNNHIEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 464
ANI73770.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
EJE56571.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 464
CAI80433.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 464
CCG15432.1 HTHNNHIEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
AEV77847.2 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
ALQ99048.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
BAF77691.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 465
AQD18904.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 465
ABR51685.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 465
ADC36978.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 465
CCJ10583.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 465
ADI97344.1 HTHNNVFEFEETSALPGRKTGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 469
ABD20992.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 473
CBI48742.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 473
AAW36412.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 473
ELP41199.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 473
AGO29164.1 HTHNNVFEFEETSALPGRKTGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 474
ADQ77852.1 HTHNNHIEIEETSALPGRKTGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
AIO20460.1 HTHNNHIEIEETSALPGRKTGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 467
AEW64854.1 HTHNNVFEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 479
AGU54602.1 NTHNNHIEFEETSALPGRKSGSLVGLISQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 471
ADL22691.1 HTHNNVFEFEETSALPGRKSGSLVGLSQIDSSHLTEREKRVIKREHVREAQKLVLDNYKDT 469
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AMV79382.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 502
AFH69100.1 HSYKDRNLNAQQKVNTLSAGHQKRFNKQINKVYNGK 504
AMV84568.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQIDKVYNGK 502
CRL33493.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 499
ANI73770.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQIDKVYNGK 502
EJE56571.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 499
CAI80433.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 499
CCG15432.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 502
AEV77847.2 HSYKDRNLNAQQKVNTLSEGHQKRFNKQIDKVYNGK 502
ALQ99048.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQIDKVYNGK 502
BAF77691.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 500
AQD18904.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 500
ABR51685.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 500
ADC36978.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 500
CCJ10583.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 500
ADI97344.1 HSYKDRNLNAQQKVNTLSSGHQKRFNKQINKVYNGK 504
ABD20992.1 HSYKDRINAQQKVNTLSEGHQKRFNKQINKVYNGK 508
CBI48742.1 HSYKDRINAQQKVNTLSEGHQKRFNKQINKVYNGK 508
AAW36412.1 HSYKDRINAQQKVNTLSEGHQKRFNKQINKVYNGK 508
ELP41199.1 HSYKDRINAQQKVNTLSEGHQKRFNKQINKVYNGK 508
AGO29164.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 509
ADQ77852.1 HSYKDRNLNAQQKVNTLSAGHQKRFNKQINKVYNGK 502
AIO20460.1 HSYKDRNLNAQQKVNTLSAGHQKRFNKQINKVYNGK 502
AEW64854.1 HSYRDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 514
AGU54602.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQIDKVYNGK 506
ADL22691.1 HSYKDRNLNAQQKVNTLSEGHQKRFNKQINKVYNGK 504

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