



HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV

250 260 270 280 290 300

IY41_04725	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
GV66_04535	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
EL88_01200	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
BvMPK_1614	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	172
BSIG_03692	HPWFTEASSSSSESPYRNYYSFSEDPKTDI AAGKI AMI TQEGAAGYNAAEWFQVSDETA AV	218
BSFG_00059	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
BSEG_02888	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	202
BSBG_03218	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	202
BACEGG_01903	HPWFKEAT SP DNTYRDYI F SQDPKSDI TAGKI PMI KRESSMGYNAGEWFSAG- I GDAM	211
BACDOR_02274	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
Alfi_1934	HPWFKSAAASEGSPYRDRI F SEDPQADI AAGRI DQI ATEGAAGYDAGQWFSTD- T GAGA	298
AL1_00520	HPWFKSAAASEGSPYRDRI F SEDPQADI AAGRI DQI ATEGAAGYDAGQWFSTD- T GAGA	298
ABI39_04475	HPWFKEAT SST DNL YRSYYLFSQSPQTEI AEGKI AMI PKE- - EYAANEWFATSSSEDTEV	218
SusG (BT_3698)	HPWFTEASSSSSESPYRNYYSFSEDPKTDI AAGKI AMI TQEGAAGYNAAEWFQVSDETA AV	218
Btheta7330_04598	HPWFTEASSSSSESPYRNYYSFSEDPKTDI AAGKI AMI TQEGAAGYNAAEWFQVSDETA AV	218



KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY

310 320 330 340 350 360

IY41_04725	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
GV66_04535	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
EL88_01200	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
BvMPK_1614	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	231
BSIG_03692	KGLLKF TLDWSNAPSPI LVVST- GTKAEDNPDGT D NAKYL YYGEDI CKKFYDKGNNI Y	277
BSFG_00059	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
BSEG_02888	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	261
BSBG_03218	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	261
BACEGG_01903	KGCYKFVLDWSNAASPTI TVTE- GDTPDVDNADVATQGA KYLYYGEGIC KKFYAKDNNKY	270
BACDOR_02274	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
Alfi_1934	AGRKFVFLDWTNADSPVTVTETTTDAADADNTQGGAD- DKYL YFGNGT SKRFYARGGNSY	357
AL1_00520	AGRKFVFLDWTNADSPVTVTETTTDAADADNTQGGAD- DKYL YFGNGT SKRFYARGGNSY	357
ABI39_04475	KGI YTFSLDWSKASQPTVTVTTR- AEKADADNPDPGTNGAKYL YFGEGI CKKFYDKGNHNY	277
SusG (BT_3698)	KGLLKF TLDWSNAPSPI LVVST- GTKAEDNPDGT D NAKYL YYGEDI CKKFYDKGNNI Y	277
Btheta7330_04598	KGLLKF TLDWSNAPSPI LVVST- GTKAEDNPDGT D NAKYL YYGEDI CKKFYDKGNNI Y	277



ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS

370 380 390 400 410 420

IY41_04725	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
GV66_04535	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
EL88_01200	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
BvMPK_1614	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	288
BSIG_03692	ELTVDFESTWGLLI RTSNASFWPSGT KYGASSSSEKLALNKDFKLTNAG- NPANI MFDS	335
BSFG_00059	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
BSEG_02888	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	318
BSBG_03218	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	318
BACEGG_01903	ELTVDLDTDWGFLI RTSNTS- WONGT KYGAPSKASKI QLGKAF T L SNT- - TPEDI LFAS	326
BACDOR_02274	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
Alfi_1934	ELTLDFDSDWGFLVRTSTTS- WAAGT KYGAPDNRTI I RFGEPT L MSNRSADPANVQFSL	416
AL1_00520	ELTLDFDSDWGFLVRTSTTS- WAAGT KYGAPDNRTI I RFGEPT L MSNRSADPANVQFSL	416
ABI39_04475	ELTTDFVSSWGFLI RTSNDPSWPA GT KYGATSASHKVTLGTAF TLDNK- - TAADI LFDS	334
SusG (BT_3698)	ELTVDFESTWGLLI RTSNASFWPSGT KYGASSSSEKLALNKDFKLTNAG- NPANI MFDS	335
Btheta7330_04598	ELTVDFESTWGLLI RTSNASFWPSGT KYGASSSSEKLALNKDFKLTNAG- NPANI MFDS	335



MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH

430 440 450 460 470 480

IY41_04725	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
GV66_04535	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
EL88_01200	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
BvMPK_1614	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	348
BSIG_03692	QQI TYFHSHFCTDWFADLNYGPVDQAGESPAYQAI ADAAGKM ARGVDGLRLDAVKHI YH	395
BSFG_00059	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
BSEG_02888	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	378
BSBG_03218	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	378
BACEGG_01903	VEAWYFHSHFCTDWFADLNYGAI DDAADSPAYKAI SAAAKWM DRGI DGFRLDAVKHI YH	386
BACDOR_02274	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
Alfi_1934	P- - TMYHSHFWTAAFADLNYGKAAAEQSGAFKAVTEAADKWWRMGVDGFLDAVKHI YH	474
AL1_00520	P- - TMYHSHFWTAAFADLNYGKAAAEQSGAFKAVTEAADKWWRMGVDGFLDAVKHI YH	474
ABI39_04475	MNLWYHSQFATDYFADLNYGAVEQATSSPAYI AMANSAGWM DRGVDGLRLDAVKHI YH	394
SusG (BT_3698)	QQI TYFHSHFCTDWFADLNYGPVDQAGESPAYQAI ADAAGKM ARGVDGLRLDAVKHI YH	395
Btheta7330_04598	QQI TYFHSHFCTDWFADLNYGPVDQAGESPAYQAI ADAAGKM ARGVDGLRLDAVKHI YH	395