

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1034 TT RS08100 WP 024119555.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	MGKLNRGWKPNPVVIFVALALLVAIAVIGIGKVDPLGLGQSLARPDPLPQQEEIQVYFNLNNAKGADFIDPDRDFKRQGD	80
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	.....	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	.....	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 300 STER RS07485 WP 011681496.1	.....	0
NTDB id 1242 Cj0011c YP 002343483.1	.....	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....	0
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....	0
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....	0
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	.....	0
consensus		

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1034 TT RS08100 WP 024119555.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	NFEQIILEQIDQAQSTIDLAVQELRLPRIAQALVEKQKTGVRVRLVLENTYNQTIKEAVETEKDPFRYRGPLAYLDQNQD	160
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	.....	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	.....	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 300 STER RS07485 WP 011681496.1	.....	0
NTDB id 1242 Cj0011c YP 002343483.1	.....	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....	0
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....	0
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....	0
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	.....	0
consensus		

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1034 TT RS08100 WP 024119555.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	GRISPAESAERDAIEILRTQKIPLIDDTEDGSKGSGLMHHKFMVLDNKTVIVTSANFTPSDQHGDYDDNFTRGNANNLLV	240
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	.....	0
NTDB id 1069 ABD1 RS03060 WP 043960841.1	.....	0
NTDB id 36 MW RS08230 WP 001793467.1	.....	0
NTDB id 20 SA RS08005 WP 001802022.1	.....	0
NTDB id 300 STER RS07485 WP 011681496.1	.....	0
NTDB id 1242 Cj0011c YP 002343483.1	.....	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....	0
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....	0
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....	0
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	.....	0
NTDB id 1014 ACIAD RS13855 WP 004924483.1	.....	0
NTDB id 613 LCA RS05340 WP 231952379.1	.....	0
NTDB id 521 SMSK321 RS04960 WP 000443804.1	.....	0
NTDB id 493 SM12261 RS04300 WP 000387351.1	.....	0
NTDB id 153 SP RS04730 WP 000387344.1	.....	0
NTDB id 263 KZH43 RS04195 WP 000387330.1	.....	0
NTDB id 222 SPD RS04535 WP 000387330.1	.....	0
NTDB id 188 SPR RS04295 WP 000387330.1	.....	0
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	.....	0
consensus		

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1034 TT RS08100 WP 024119555.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	VQSPAVAHLFTEEFNLLWGDGPGA EKDSLFGINKPSRPAKVLKVGETTVTVKFSPDRRAIPFPNTSNGLIAQYVLNQAQQK	320
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	MQYSMRF	7
NTDB id 1069 ABD1 RS03060 WP 043960841.1	MQYSMRF	7
NTDB id 36 MW RS08230 WP 001793467.1	MVLLYQFLLRYKDF	14
NTDB id 20 SA RS08005 WP 001802022.1	MVLLYQFLLRYKDF	14
NTDB id 300 STER RS07485 WP 011681496.1	MKEKILAYVKDN	12
NTDB id 1242 Cj0011c YP 002343483.1	.....	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....	0
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....	0
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....	0
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	MNLWN.....QHKK	9
NTDB id 1014 ACIAD RS13855 WP 004924483.1	MSIRHFFTF	9
NTDB id 613 LCA RS05340 WP 231952379.1	MMWQDYWQRYRRF	13
NTDB id 521 SMSK321 RS04960 WP 000443804.1	MESIIEKIKEY	11
NTDB id 493 SM12261 RS04300 WP 000387351.1	MEAIIEKIKEY	11
NTDB id 153 SP RS04730 WP 000387344.1	MEAIIEKIKEY	11
NTDB id 263 KZH43 RS04195 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 222 SPD RS04535 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 188 SPR RS04295 WP 000387330.1	MEAIIEKIKEY	11
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	MEKILDKLKEY	11
consensus		

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	.....	0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	.....	0
NTDB id 1150 A1552VC RS08580 WP 001166105.1	.....	0
NTDB id 1294 VP RS04495 WP 021449594.1	.....	0
NTDB id 1395 DSB67 RS04445 WP 010649155.1	.....	0
NTDB id 1362 HI 1008 AAC22669.1	.....	0
NTDB id 1459 ASU2 RS10590 WP 015674357.1	.....	0
NTDB id 1382 A4U84 RS07375 WP 062924234.1	.....	0
NTDB id 1034 TT RS08100 WP 024119555.1	.....	0
NTDB id 1416 SGL RS14595 WP 010873643.1	IQLALFVFSEQALSNVINQRFQAGTEVKALIDRGFAFRYYSEGDLGLGVTLLEDCL.....QPG	380
NTDB id 1272 LPP RS04360 WP 010946546.1	.....	0
NTDB id 1249 GC085 RS04230 WP 010946546.1	.....	0
NTDB id 1041 HON27 RS14740 WP 005124713.1	WKNKYFLL.....IMLC LGVIS.....	24
NTDB id 1069 ABD1 RS03060 WP 043960841.1	WKNKYFVL.....IMLC LGVIS.....	24
NTDB id 36 MW RS08230 WP 001793467.1	L.TQWKLY.....IISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSS.....LSKVEDVQVKDG	76
NTDB id 20 SA RS08005 WP 001802022.1	L.TQWKLY.....IISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNS.....LSKLEDVQVKDG	76
NTDB id 300 STER RS07485 WP 011681496.1	R.L.....FVSVIAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKTE	74
NTDB id 1242 Cj0011c YP 002343483.1	.....	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	.....	0
NTDB id 1126 NGFG RS09375 WP 003703428.1	.....	0
NTDB id 1125 NGFG RS07215 WP 003703428.1	.....	0
NTDB id 1108 NGFG RS06525 WP 003703428.1	.....	0
NTDB id 105 BSU 25590 NP 390437.1	A.....IILAASAAVFTAIMIFLATGKNKEPVKQAVPT.....ET.....ENTVVKQEA	53
NTDB id 1014 ACIAD RS13855 WP 004924483.1	F.....WATLLTLF.....	18
NTDB id 613 LCA RS05340 WP 231952379.1	W.....WVPCLVLLGIIAGGFYWHQSQQKQKVTQN...EQLLATSA..SK.....TKPATKKTH	62
NTDB id 521 SMSK321 RS04960 WP 000443804.1	K.....IIVICTGLGLLVGGFFLLKPAPHTPVKETNLQAEVVAISKDSST.....EKDVKKEEK	65
NTDB id 493 SM12261 RS04300 WP 000387351.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVVAVSKDSVS.....EKEVKKEEK	65
NTDB id 153 SP RS04730 WP 000387344.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDSST.....EKEVKKEEK	65
NTDB id 263 KZH43 RS04195 WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 222 SPD RS04535 WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 188 SPR RS04295 WP 000387330.1	K.....IIVICTGLGLLVGGFFLLKPAPQTPVKETNLQAEVAAVSKDLVS.....EKEVNKEEK	65
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	.....	0
NTDB id 595 KW2 RS08725 WP 021037687.1	W.....KIMLLVVCALIAGGIFYIFTNSPKPAETLSVEN..LSSS..STK.....SSVSKFNSS	61
consensus		

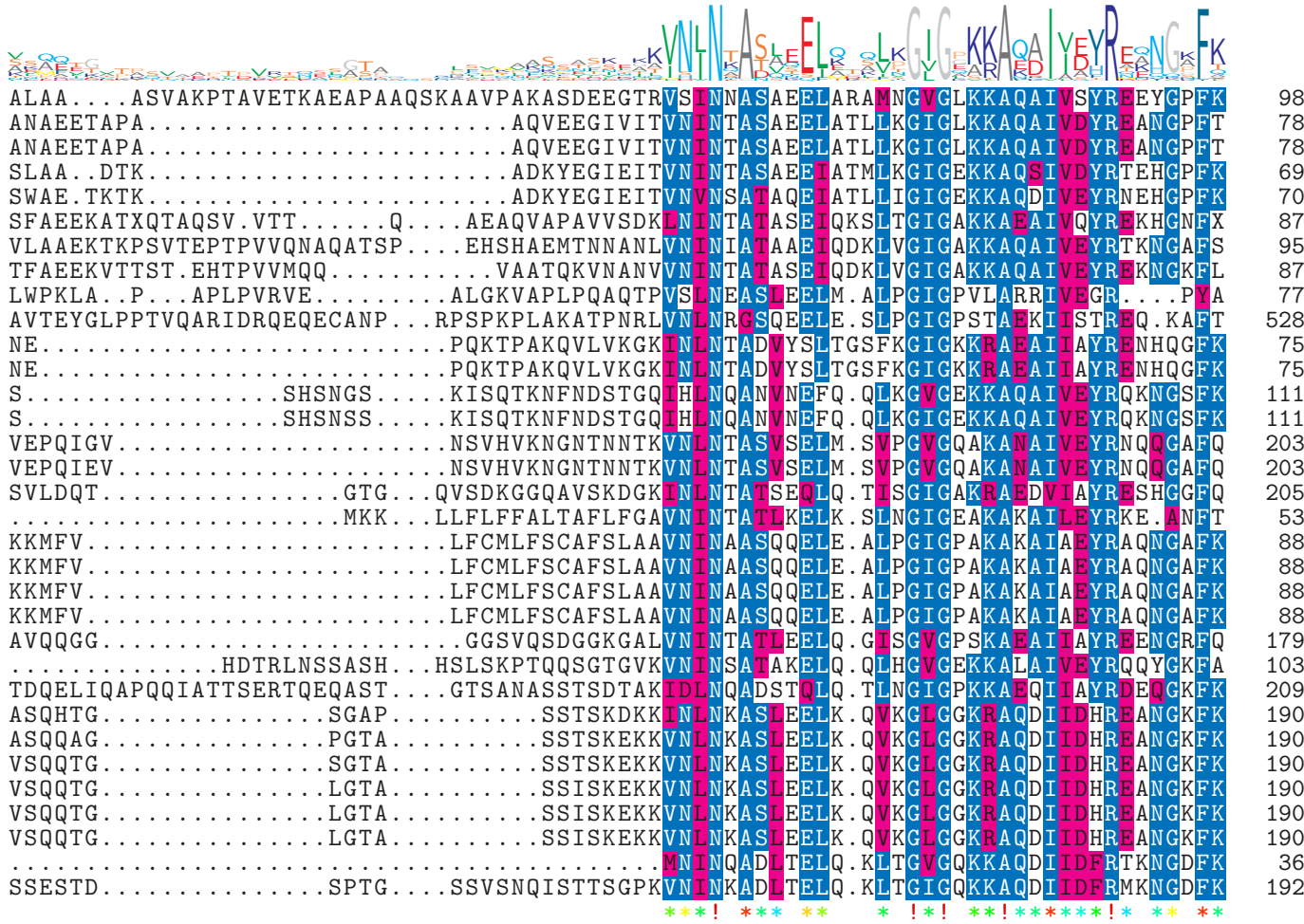
logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	MKHGI.....KAL.ITLSLACAG..MSH.S.....	22
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	MQIKTKI.....VT....LFLSLCLP..TLPLL.....	22
NTDB id 1150 A1552VC RS08580 WP 001166105.1	MQIKTKI.....VT....LFLSLCLP..TLPLL.....	22
NTDB id 1294 VP RS04495 WP 021449594.1	MK....WILTLCVL..VFAPL.....	15
NTDB id 1395 DSB67 RS04445 WP 010649155.1	MK....WILTLCVL..LAPM.....	15
NTDB id 1362 HI 1008 AAC22669.1	MKTLL.....F....TSVVLCGA..LVVSS.....	18
NTDB id 1459 ASU2 RS10590 WP 015674357.1	MKTPS.....KL....GLSLLIG..MLSTG.....	19
NTDB id 1382 A4U84 RS07375 WP 062924234.1	MKKLS.....RY....TFSLLFG..LFSAT.....	19
NTDB id 1034 TT RS08100 WP 024119555.1	MVGYLAVALL.....GLLA	16
NTDB id 1416 SGL RS14595 WP 010873643.1	NSPWAL...PTEFVGTPALPRGDKLHHKFALVDDDTVITGSHNWSPAANHNNDETVLVLQ...NAQIAAHYQRELDRLY	453
NTDB id 1272 LPP RS04360 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE	22
NTDB id 1249 GC085 RS04230 WP 010946546.1	MKARLIAILLSFIVIPFSSQAE	22
NTDB id 1041 HON27 RS14740 WP 005124713.1	PSVC.....AQSFDDQ...NFQEWKA..KQQMYDQKL..NI.TK.....	54
NTDB id 1069 ABD1 RS03060 WP 043960841.1	PSVC.....AQSFDDQ...NFQEWKV..KQQMYDQKL..NI.SK.....	54
NTDB id 36 MW RS08230 WP 001793467.1	DNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVD..LLDKAQ.LLE...DADVSQINLSEKLTDDQKM..IFIPHKGQKN	146
NTDB id 20 SA RS08005 WP 001802022.1	DNSKNKGPVYVDVKGAVKHPNVYKMTSK.DRVVD..LLDKAQ.LLD...DADVSRINLSEKLTDDQKM..IFIPHKGQKN	146
NTDB id 300 STER RS07485 WP 011681496.1	GSEKVKSKVTVDVKGAVVNPVGYYTLKAG.ARVTD..VIQEAGGMTE...DADAKSVNLAASLSDEEV..IYVANKDENV	145
NTDB id 1242 Cj0011c YP 002343483.1	MSRGGATP....Y...RFLLRHIVARCGL..LFATLKGKTM	0
NTDB id 1127 NGFG RS10560 WP 003703428.1	MSRGGATP....Y...RFLLRHIVARCGL..LFATLKGKTM	33
NTDB id 1126 NGFG RS09375 WP 003703428.1	MSRGGATP....Y...RFLLRHIVARCGL..LFATLKGKTM	33
NTDB id 1125 NGFG RS07215 WP 003703428.1	MSRGGATP....Y...RFLLRHIVARCGL..LFATLKGKTM	33
NTDB id 1108 NGFG RS06525 WP 003703428.1	MSRGGATP....Y...RFLLRHIVARCGL..LFATLKGKTM	33
NTDB id 105 BSU 25590 NP 390437.1	NNDESNETIVIDIKGAVQHPGVYEMRTG.DRVSQ..AIEKAGGTSE...QADEAQVNLAEILQDGTV..VYIPKKGEET	124
NTDB id 1014 ACIAD RS13855 WP 004924483.1	SM..QIVFAQGFDQ...QYDAWKT..QQKA.....	41
NTDB id 613 LCA RS05340 WP 231952379.1	QAATKKKGGFVDIKGAVVYPGIYPLTVSETRLF..VLKNAGGPTD...AADTKRNLIAQKLTDDL..IYIPKKGEVV	134
NTDB id 521 SMSK321 RS04960 WP 000443804.1	EEPVEQDLITVDVKGAVKSPGIYDLISVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEES	136
NTDB id 493 SM12261 RS04300 WP 000387351.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEA	136
NTDB id 153 SP RS04730 WP 000387344.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEA	136
NTDB id 263 KZH43 RS04195 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEA	136
NTDB id 222 SPD RS04535 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEA	136
NTDB id 188 SPR RS04295 WP 000387330.1	EEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVND..AVQKAGGLTE...QADSKSLNLAQKVSDEAL..VYVPTKGEEA	136
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	SSD.ERLVD..LIRQAGGFTD....QADQKSLNLSAKLKDEEV..IYVPKVGESS	0
NTDB id 595 KW2 RS08725 WP 021037687.1	SSD.ERLVD..LIRQAGGFTD....QADQKSLNLSAKLKDEEV..IYVPKVGESS	132
consensus	*	

logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1
NTDB id 1159 ABDM36 RS04765 WP 001166105.1
NTDB id 1150 A1552VC RS08580 WP 001166105.1
NTDB id 1294 VP RS04495 WP 021449594.1
NTDB id 1395 DSB67 RS04445 WP 010649155.1
NTDB id 1362 HI 1008 AAC22669.1
NTDB id 1459 ASU2 RS10590 WP 015674357.1
NTDB id 1382 A4U84 RS07375 WP 062924234.1
NTDB id 1034 TT RS08100 WP 024119555.1
NTDB id 1416 SGL RS14595 WP 010873643.1
NTDB id 1272 LPP RS04360 WP 010946546.1
NTDB id 1249 GC085 RS04230 WP 010946546.1
NTDB id 1041 HON27 RS14740 WP 005124713.1
NTDB id 1069 ABD1 RS03060 WP 043960841.1
NTDB id 36 MW RS08230 WP 001793467.1
NTDB id 20 SA RS08005 WP 001802022.1
NTDB id 300 STER RS07485 WP 011681496.1
NTDB id 1242 Cj0011c YP 002343483.1
NTDB id 1127 NGFG RS10560 WP 003703428.1
NTDB id 1126 NGFG RS09375 WP 003703428.1
NTDB id 1125 NGFG RS07215 WP 003703428.1
NTDB id 1108 NGFG RS06525 WP 003703428.1
NTDB id 105 BSU 25590 NP 390437.1
NTDB id 1014 ACIAD RS13855 WP 004924483.1
NTDB id 613 LCA RS05340 WP 231952379.1
NTDB id 521 SMSK321 RS04960 WP 000443804.1
NTDB id 493 SM12261 RS04300 WP 000387351.1
NTDB id 153 SP RS04730 WP 000387344.1
NTDB id 263 KZH43 RS04195 WP 000387330.1
NTDB id 222 SPD RS04535 WP 000387330.1
NTDB id 188 SPR RS04295 WP 000387330.1
NTDB id 108153 LLUC11 RS09020 WP 353511539.1
NTDB id 595 KW2 RS08725 WP 021037687.1

consensus



logo

NTDB id 1440 BW25113 RS02290 WP 000680312.1	TVE	D	L	K	Q	V	P	G	M	C	N	S	L	V	E	R	N	L	A	V	L	T	L	.....	123																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1159 ABDM36 RS04765 WP 001166105.1	H	I	D	D	L	T	N	V	K	G	I	G	E	A	T	V	R	N	N	A	A	R	I	L	L	.....	103																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1150 A1552VC RS08580 WP 001166105.1	H	I	D	D	L	T	N	V	K	G	I	G	E	A	T	V	R	N	N	A	A	R	I	L	L	.....	103																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1294 VP RS04495 WP 021449594.1	T	A	A	D	L	T	N	V	K	G	I	G	E	A	T	I	K	K	N	E	D	R	I	L	L	.....	94																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1395 DSB67 RS04445 WP 010649155.1	T	A	A	D	L	T	N	V	K	G	I	G	E	A	T	V	R	K	N	E	D	R	I	L	L	.....	95																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1362 HI 1008 AAC22669.1	N	A	E	Q	L	L	E	V	Q	G	I	G	K	A	T	L	E	K	N	R	D	R	I	I	F	.....	112																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1459 ASU2 RS10590 WP 015674357.1	S	L	E	Q	L	T	D	V	S	G	I	G	K	A	T	L	D	K	N	R	D	R	I	L	L	Q	.....	121																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1382 A4U84 RS07375 WP 062924234.1	N	V	E	Q	L	T	E	V	S	G	I	G	K	A	T	L	E	K	N	R	D	C	I	V	I	E	.....	113																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1034 TT RS08100 WP 024119555.1	R	V	E	D	L	L	K	V	K	G	I	G	P	A	T	L	E	R	I	R	P	Y	L	R	P	.....	102																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1416 SGL RS14595 WP 010873643.1	S	L	E	D	L	G	R	V	K	G	I	G	P	S	K	I	E	G	L	R	G	K	V	T	W	.....	553																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1272 LPP RS04360 WP 010946546.1	S	L	E	E	L	A	E	V	K	G	I	G	Q	R	F	V	D	K	N	R	E	K	L	K	E	I	F	V	I	N		105																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1249 GC085 RS04230 WP 010946546.1	S	L	E	E	L	A	E	V	K	G	I	G	Q	R	F	V	D	K	N	R	E	K	L	K	E	I	F	V	I	N		105																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1041 HON27 RS14740 WP 005124713.1	N	I	D	E	I	K	N	V	K	G	I	G	P	A	I	F	E	K	N	K	S	R	L	A	L	.....	136																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 1069 ABD1 RS03060 WP 043960841.1	N	I	D	E	I	K	N	V	K	G	I	G	P	A	I	F	E	K	N	K	S	R	L	A	L	.....	136																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 36 MW RS08230 WP 001793467.1	E	I	D	D	L	K	K	V	K	G	F	G	S	K	T	F	D	K	L	S	Y	F	T	I	.....	228																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB id 20 SA RS08005 WP 001802022.1	E	I	D	D	L	K	K	V	K	G	F	G	S	K	T	F	D	K	L	S	Y	F	T	I	.....	228																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB id 300 STER RS07485 WP 011681496.1	S	V	D	D	L	K	N	V	S	G	I	G	D	K	T	L	D	K	I	R	E	S	I	Y	V	A	.....	231																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1242 Cj0011c YP 002343483.1	S	I	D	D	L	K	K	V	K	G	I	G	D	K	L	F	E	K	I	K	N	D	I	T	I	E	.....	79																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1127 NGFG RS10560 WP 003703428.1	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	K	L	K	D	Q	A	S	V	G	A	P	A	P	K	G	P	A	K	P	V	L	P	A	V	K	K		131																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1126 NGFG RS09375 WP 003703428.1	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	K	L	K	D	Q	A	S	V	G	A	P	A	P	K	G	P	A	K	P	V	L	P	A	V	K	K		131																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1125 NGFG RS07215 WP 003703428.1	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	K	L	K	D	Q	A	S	V	G	A	P	A	P	K	G	P	A	K	P	V	L	P	A	V	K	K		131																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1108 NGFG RS06525 WP 003703428.1	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	K	L	K	D	Q	A	S	V	G	A	P	A	P	K	G	P	A	K	P	V	L	P	A	V	K	K		131																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 105 BSU 25590 NP 390437.1	T	I	E	D	I	T	K	V	S	G	I	G	E	K	S	F	E	K	T	K	S	S	I	T	V	K	.....	205																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1014 ACIAD RS13855 WP 004924483.1	S	V	D	D	L	Q	K	V	K	G	I	G	P	K	F	I	E	K	N	R	D	R	L	A	I	.....	128																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB id 613 LCA RS05340 WP 231952379.1	Q	I	E	D	L	Q	K	V	G	G	I	G	P	K	T	F	E	Q	L	Q	S	Q	I	C	V	N	.....	235																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 521 SMSK321 RS04960 WP 000443804.1	S	V	D	E	L	K	K	V	S	G	I	G	A	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 493 SM12261 RS04300 WP 000387351.1	S	V	D	E	L	K	K	V	S	G	I	G	A	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 153 SP RS04730 WP 000387344.1	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 263 KZH43 RS04195 WP 000387330.1	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 222 SPD RS04535 WP 000387330.1	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 188 SPR RS04295 WP 000387330.1	S	V	D	E	L	K	K	V	S	G	I	G	G	K	T	I	E	K	L	K	D	Y	V	T	V	D	.....	216																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 108153 LLUC11 RS09020 WP 353511539.1	S	L	E	D	L	G	K	V	S	G	F	G	D	K	T	L	E	K	L	K	D	E	L	C	F	E	.....	62																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 595 KW2 RS08725 WP 021037687.1	S	I	E	D	L	G	K	V	S	G	F	G	D	K	T	L	E	K	L	K	D	E	L	S	I	D	.....	218																																																																																																																																																																																																																																																																																																																																																																																																																						
consensus	*****	!!*!!*	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****</

consensus

