

logo

		MSXLRIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAILLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1143880	NCTC9997 RS01995 WP 064977169.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
consensus		.....	0

logo

		RSLRQKAKLRAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVP...P	
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVP...P	158
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1143880	NCTC9997 RS01995 WP 064977169.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
consensus		.....	0

logo

		SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLKQGWISREALEEALVEQEKTDGDLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1143880	NCTC9997 RS01995 WP 064977169.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
consensus		.....	0

logo

NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQQVTVLTS DPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGR LGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVLS DPRHK EAVAQLLNRPARFY LALPQAW EELFR RAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1143880 NCTC9997 RS01995 WP 064977169.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
consensus	.....	0

logo

NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSA QKQNVGGGR EDTLVQS..GKLSPEMLARS.....LAAQL	388
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEIVELGLARPEDVEEA QKQRRGGGR EDTLVQS..GKLRPEALQA.....VATQL	388
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	15
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	20
NTDB id 1355 HI 0298 AAC21962.1	.....	20
NTDB id 1410 SGL RS13950 WP 010873519.1	SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLV	83
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	56
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	65
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	65
NTDB id 1143880 NCTC9997 RS01995 WP 064977169.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	57
NTDB id 1293 VP RS12240 WP 005479695.1	.....	57
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	57
consensus	.....

logo

NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPDP...KVALM IPEATARRVVPVRLQG...NSLVVAMKDPN VFALDDLXLITG...KEILPA	455
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDPEEDPPDP...GAPL LPEDL CRRYGVFPHRLEG...NRLVLLMKDPRN IALDDVRLALKRKGLNYEVAPA	460
NTDB id 1384 A4U84 RS08525 WP 010787006.1	D...TSPSR...WQKNCEEKQL LRYLAVPVQETE...HKLWLA VDDENNL TACEIFA...FMTH..KQTEPV	74
NTDB id 1366 NTHI RS01950 WP 011271972.1	T...TSPDL...WERNQQQSL LRYFALPLKEEN...NRLWLGVDLSNLSACETIA...FITG..KPVEPI	79
NTDB id 1355 HI 0298 AAC21962.1	T...TSPDL...WERNQQQSL LRYFALPLKEEN...NRLWLGVDLSNLSACETIA...FITG..KPVEPI	79
NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGLFELRRL	161
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILD L RHYPRHR...VLMGVLTEEQMV EHCVPVFRRG...DKVFFAVSDPTQMPQIQKTV...SAAG..IAVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMD INCIDVGT...IPVN VNEKLIK RHAMVPLFSRG...TNLWLATDDPSKQASLKETQ...FHTG..LNTHAI	132
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTSQ...IPKDLVDQKLIK HRILPLIQRG...QILYVATS NPSNIEAIDAIR...FNSK..LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLD LGVDFPAL...FLKDKIDEKLIK YRIMPLVHRG...HVLVYVATS NPTNIEAMDAIR...FNSK..LKVEPI	132
NTDB id 1143880 NCTC9997 RS01995 WP 064977169.1	.....MD..KKNT...INKYHHLFFL FIEYKALPLQEDD...NTLYLSIADINNYKAADAFR...FATG..KNTELV	59
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETD LSRDYAN...LCQQGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAE EFR...FATG..LQVELA	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPEL SQYEYAS...LCQQGLRELITRHNALPLH RTP...STLLLAVADPTNQQAE DDFR...FATG..LQVELV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYAS...LCQTGLRLD LITRHNALPLNR TS...STLLI LAVADPTN LQAE DDFR...FATG..LQVELV	124
consensus	.....

logo

	EMRAKRKRSALTCRTCAAELQQEWLDCPYCMTSRFS	
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKRSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1143880 NCTC9997 RS01995 WP 064977169.1	.....	501
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved