

logo

		MSXLIICDRRLGAAALLDAGLLTDEELQRALERHREVGGLAEVLYDGGYERRIASXIEEFGIPLVQLHVEP	
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAAALLDAGLLTDEELQRALERHREVGGLAEVLYDGGYERRIASXIEEFGIPLVQLHVEI	75
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQP	74
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
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 227568	XppCFBP6546P RS15985 WP 180959844.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
consensus			

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		EPXAREYKQIAALRAIPFALBEEAGYRVAHYDPLSIFSEYEDGIGHYEPYQTRERMYAARHYPEL	
NTDB id 1028	TT RS08215 WP 011173991.1	PPKVKALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPEL	150
NTDB id 1306	DR RS10060 WP 027479822.1	DPAALRSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWA IATHYPEL	147
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NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
consensus			

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		CLLYMPscKSRGSRK+KLCEELIYKGYIIBKRLYALYKQRTGSLCRTLYSRAT+EKLYEXLAEQEGTE	
NTDB id 1028	TT RS08215 WP 011173991.1	GLPVPPP..PSGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLE	222
NTDB id 1306	DR RS10060 WP 027479822.1	GLEIVVPSGASDAGRITGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTT	222
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consensus			

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		FLESTEGIVPDP	AALLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWEE	FRR	297
NTDB id 1028	TT RS08215 WP 011173991.1	FLESTEGIVPDP	AALLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWEE	FRR	297
NTDB id 1306	DR RS10060 WP 027479822.1	FLPNPSGFHPG	EEVLGSMRLRADALRLLAVPVDETEQGVTVLTS	SDPRKRDPIDALIGRPVQLMLTRPRDIERLIEQ	0
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NTDB id 1251	GC085 RS07725 WP 011946523.1	0
NTDB id 227568	XppCFBP6546P RS15985 WP 180959844.1	0
NTDB id 1058	ABD1 RSO1615 WP 001274986.1	0
NTDB id 1018	ACIAD RSO1685 WP 004920473.1	0
consensus		0

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		AYPQKNRNLG	EVLVQEGKLSREALKEAL	EVQKGLPRAKPI	GETLVELGLARPEDVEEATLQKQR	GGREEDTLVQS	372
NTDB id 1028	TT RS08215 WP 011173991.1	AYPQKNRNLG	EVLVQEGKLSREALKEAL	EVQKGLPRAKPI	GETLVELGLARPEDVEEATLQKQR	GGREEDTLVQS	372
NTDB id 1306	DR RS10060 WP 027479822.1	FYPQGRGLG	EQLVQEGTLSRDQLREAL	IQVQAREGKVKPI	GEVITELGFA	SDEVD	372
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	.....	.....	.....	.....	41
NTDB id 1293	VP RS12240 WP 005479695.1	41
NTDB id 1401	DSB67 RS12665 WP 010643259.1	41
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NTDB id 1251	GC085 RS07725 WP 011946523.1	49
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NTDB id 1058	ABD1 RSO1615 WP 001274986.1	49
NTDB id 1018	ACIAD RSO1685 WP 004920473.1	49
consensus		.....	.....	.....	.....	.....	49

logo

		GKLRPEALAG	AVATQIGYPYVDPEEDPPDPGAPL	LIPEDI	CRRYGVFPHRLEGNRLVLLMKDPRN	ILADDVRLA	447
NTDB id 1028	TT RS08215 WP 011173991.1	GKLRPEALAG	AVATQIGYPYVDPEEDPPDPGAPL	LIPEDI	CRRYGVFPHRLEGNRLVLLMKDPRN	ILADDVRLA	447
NTDB id 1306	DR RS10060 WP 027479822.1	GKLSPEMLAR	SAAQLGYEFLDPIQNPPDPKVALM	IPETARRYVVP	YRLQNSLVVAMKDPRNVFA	DDKLI	447
NTDB id 1168	A1552VC RS11070 WP 000957200.1	SIFHAQELTE	QLSHIFGIPETDLSRYDYANLC	QQGLRE	LITRYDALPIAQGNLL	LLAVSDPTLLQAE	116
NTDB id 1293	VP RS12240 WP 005479695.1	GFFSSELAEH	LSSIFGLSQPELSQYAYASLC	QQGLRE	LITRHNA	LPLHRTPTSTLLAVADPTNQ	116
NTDB id 1401	DSB67 RS12665 WP 010643259.1	GFFQSHELTE	HSSVFCISCTSLNQYAYASLC	QTLGLRD	LITRHNA	LPLNRTSSTLILAVADPTNQ	116
NTDB id 1110	NGFG RS09235 WP 003689817.1	GVTSPKSLA	ALARVFSYSILDLRHYPHRVLM	GVTE	EQMVEFHCV	YFRGDKVFFAVSDPTQMPQ	115
NTDB id 1251	GC085 RS07725 WP 011946523.1	KILSAEQIAL	TAAQNFQVPMLDIN	CIDVCTIPVNL	VNEKLIKRRHAMVPL	FSRGTNLYLATDDPSKQASL	124
NTDB id 227568	XppCFBP6546P RS15985 WP 180959844.1	KLVTASQLAA	ANAVEFCMPLLDVSAFDASQNA	VKLVS	ELLQKHQVLP	LFKRGNRLFVGVSNPTQ	117
NTDB id 1058	ABD1 RSO1615 WP 001274986.1	VHLSPSLLA	ETSAEFAEPYFDLDVYDTSQ	PKDLVD	QKILKHRILPLI	QRGQILYVATS	124
NTDB id 1018	ACIAD RSO1685 WP 004920473.1	FSLSPLTIA	EITSLFGEPLLDLGVFDPALFL	KDKIDE	KLIQKYRIMPLV	HRGHVLYVATS	124
consensus		124

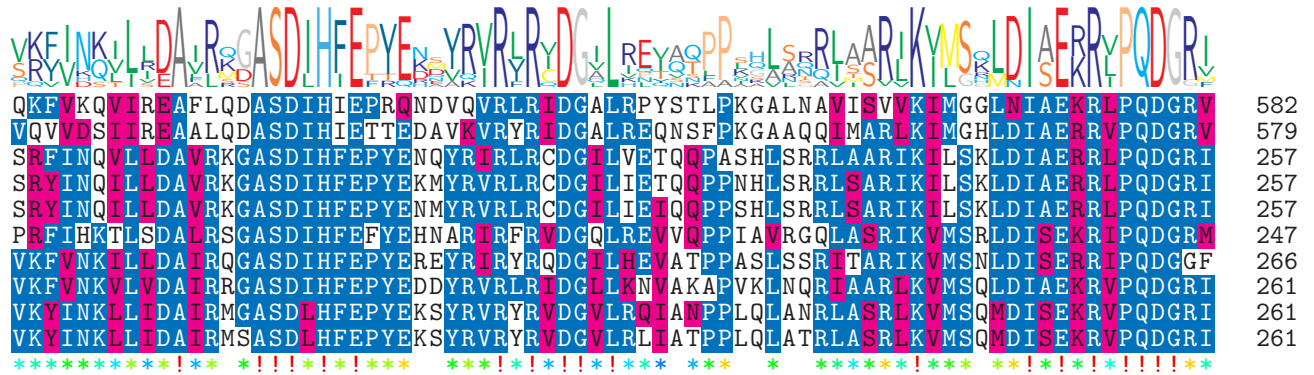
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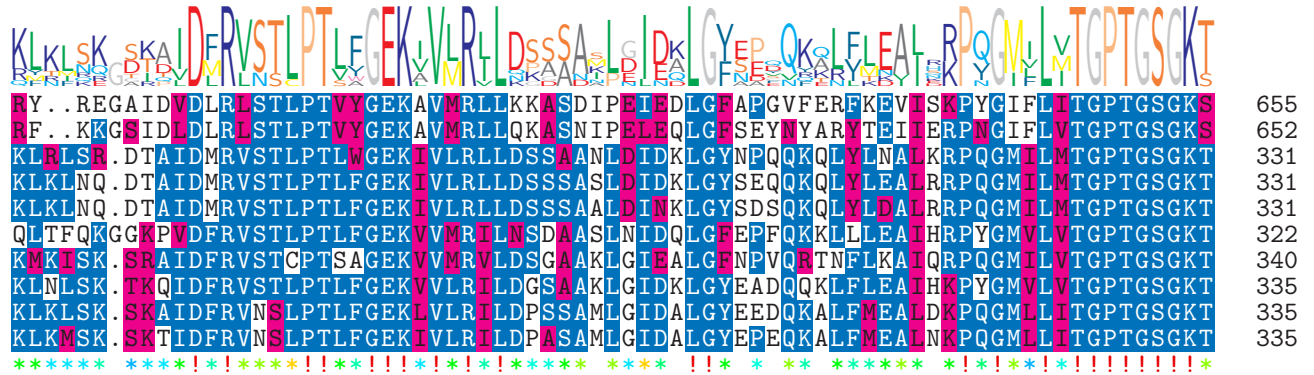
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 consensus



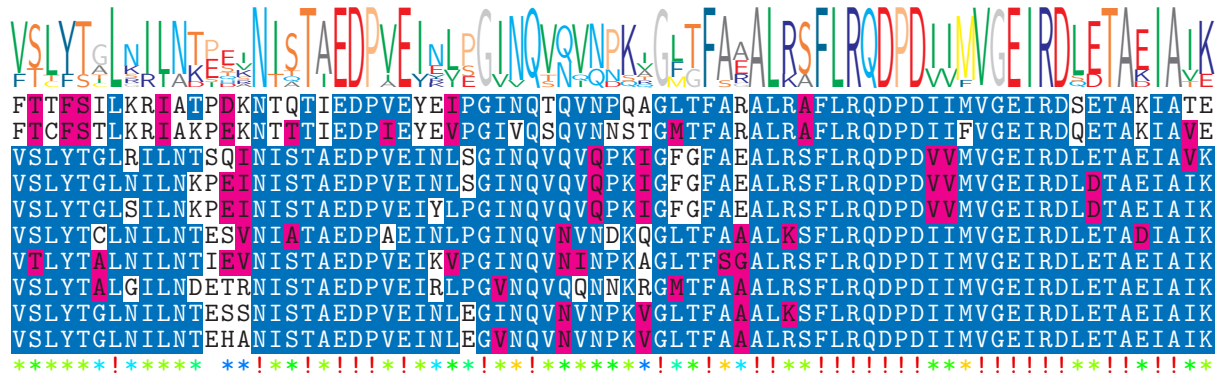
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 consensus



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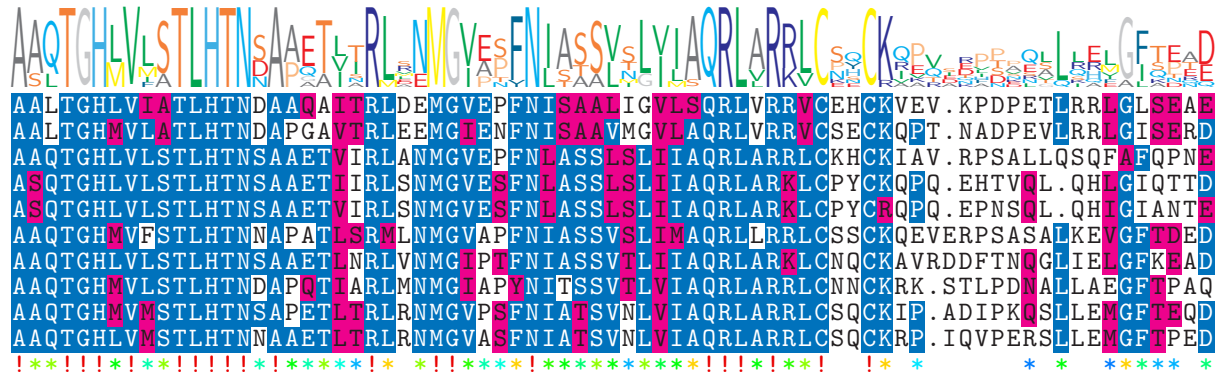
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



730
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logo

NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
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 consensus



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801
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472
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NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
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 NTDB id 1401 DSB67 RS12665 WP 010643259.1
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



876
874
549
548
548
545
561
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557

logo

NTDB id 1028 TT RS08215 WP 011173991.1	I T S L E E V N R V T I E	889
NTDB id 1306 DR RS10060 WP 027479822.1	L T T L E E V L A V T I A S	887
NTDB id 1168 A1552VC RS11070 WP 000957200.1	I T S F A E L Q R V L Y F	562
NTDB id 1293 VP RS12240 WP 005479695.1	I T S F S E L Q R V L Y F	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	I T S F R E L Q R V L Y F	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	I T S L E E V T A N T N D	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	I T T I E E V N R V T V D	574
NTDB id 227568 XppCFBP6546P RS15985 WP 180959844.1	V T S L A E I N R V T K D	569
NTDB id 1058 ABD1 RS01615 WP 001274986.1	V T S L Q E V N R V T S E	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	V T S L Q E I N R V T S E	570
consensus	* ! * * ! * * * * * *	

X non conserved
X similar
X ≥ 50% conserved