

logo

		MSXLRIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
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 1355 HI 0298 AAC21962.1		.....	0
NTDB id 71007 K6J58 RS03610 WP 005686724.1		.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1		.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1		.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		.....	0
NTDB id 1293 VP RS12240 WP 005479695.1		.....	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
consensus		0

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		RSIRPQTALNLQAFPPFALE..GDRRLVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA	157
NTDB id 1306 DR RS10060 WP 027479822.1		RSIRPQTALNLQAFPPFALE..GDRRLVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1		ALLPAEKAKELKAIPFALDEEAGVVRVAVFLNPLDTLTSLLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1384 A4U84 RS08525 WP 010787006.1		.....	0
NTDB id 1355 HI 0298 AAC21962.1		0
NTDB id 71007 K6J58 RS03610 WP 005686724.1		0
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NTDB id 1401 DSB67 RS12665 WP 010643259.1		0
NTDB id 1293 VP RS12240 WP 005479695.1		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
consensus		0

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		SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEGTTFLPNPSGFGHPGEEVL	237
NTDB id 1306 DR RS10060 WP 027479822.1		SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEGTTFLPNPSGFGHPGEEVL	237
NTDB id 1028 TT RS08215 WP 011173991.1		SGEGQKDLKLGELLKQGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	237
NTDB id 1384 A4U84 RS08525 WP 010787006.1		0
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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
consensus		0

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NTDB id 1306 DR RS10060 WP 027479822.1	LSMLRADALRLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWEEELFRRAYPQKNRLGEVLVQEGKLSR	317
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NTDB id 1293 VP RS12240 WP 005479695.1	0
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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
consensus	0

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NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALVQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLLEDTLVQSGKLSPEMLARSIAAQLGYEFLDPIQ	397
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLLEDTLVQSGKLRPEALAAQAVATQLGYPYVDPEE	397
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....MSQYTI.....CEQQTERIFD.....	16
NTDB id 1355 HI 0298 AAC21962.1	.....MTSYALLHTQRVTAQNGEFT.....	21
NTDB id 71007 K6J58 RS03610 WP 005686724.1MTSYALLHTQRVTAQNGEIFT.....	21
NTDB id 1366 NTHI RS01950 WP 011271972.1MTSYALLHTQRVTAQNGEIFT.....	21
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NTDB id 1293 VP RS12240 WP 005479695.1MHSNLSTILRQKGLLTFQSQESLIEQVKASGISMPEALLSSGFFTSSSLAEHLSSIFGLSQPELSQ	66
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....MSVGLLRILVQNQVVTVVEQAEHYH.NESQAGKEVLPMLFSDGVTISPKSLAALIAARVFSYSILDLRH	65
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAAQNFQVPMLDINC	74
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDV	74
NTDB id 1018 ACIAD RS01685 WP 004920473.1MSAFTTPPKFSGFIRRLVVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIIISLEFGEPLLDLGV	74
consensus*.....**.....**.....*	

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NTDB id 1306 DR RS10060 WP 027479822.1	NPPDPKVALMPEATARRVYVVVPRVLQGNLSLVVAMKDPNRNVFALDDLKLITG.....KEILPAVMAEKDTIRLIERFYFGE	472
NTDB id 1028 TT RS08215 WP 011173991.1	DPPDPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNIALADDVRLALKRGLNYEVAPAVATEAAITKLIERYFYGK	477
NTDB id 1384 A4U84 RS08525 WP 010787006.1	ISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTAEIFAFMTH.....KQTEPVVITASDELKYLINALSPE	91
NTDB id 1355 HI 0298 AAC21962.1	ISPDLWERNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNLASACETIAFITG.....KPVEPILLESSQLKELLQQLTPN	96
NTDB id 71007 K6J58 RS03610 WP 005686724.1	ISSDLWARNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNLASACETISFITG.....KPVEPILLESSQLKELLQQLTPH	96
NTDB id 1366 NTHI RS01950 WP 011271972.1	ISPDLWERNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNLASACETIAFITG.....KPVEPILLESSQLKELLQQLTPH	96
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NTDB id 1401 DSB67 RS12665 WP 010643259.1	YEYASLCQTLGLRDLITRHNAIPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAATIRRLYGR	141
NTDB id 1293 VP RS12240 WP 005479695.1	YEYASLCQQLGLRELITRHNAIPLHRTPTSTLLAVADPTNQAEDDFRFATG.....LQVELVLADFRELSTAATIRRLYGR	141
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NTDB id 1251 GC085 RS07725 WP 011946523.1	IDVGTIPVNLVNEKLIKRRHAMVPLFSRGTNLVYVATDPPSKQASLKEITQFHTG.....LNTHAIVVETDKLSALIDNLLTA	149
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YDTSQIPKDLVDQKLLKHRILPLIQRGQILLYVATDPPSKQASLKEITQFHTG.....LNTHAIVVETDKLSALIDNLLTA	149
NTDB id 1018 ACIAD RS01685 WP 004920473.1	FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LLVEPVIVEHKKLEKVLGQHFAE	149
consensus	*.....**.....**.....*!*.....*****.....**.....*.....*	

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NTDB id 1306 DR RS10060 WP 027479822.1
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 NTDB id 1018 ACIAD RS01685 WP 004920473.1

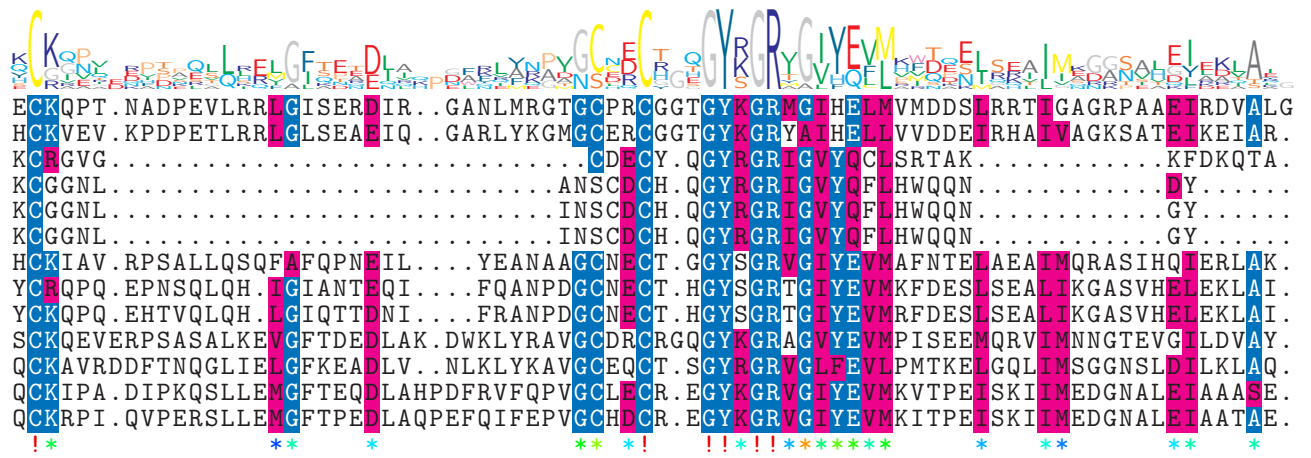


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consensus

logo

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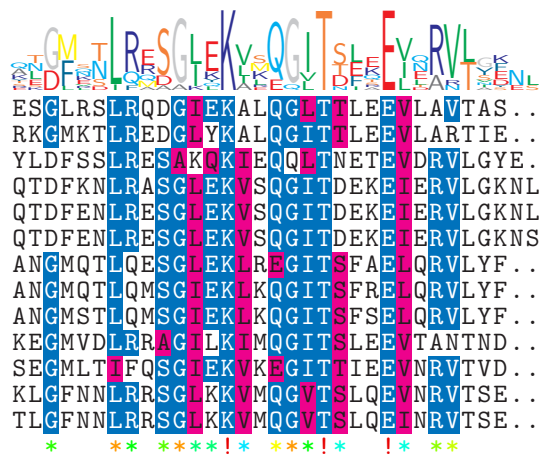


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consensus

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NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1384 A4U84 RS08525 WP 010787006.1
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1



887
889
461
464
465
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562
561
561
558
574
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570

consensus

 non conserved
 similar
 $\geq 50\%$ conserved