

logo

		MSXLRIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPPDPAAL	79
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPPDPAAL	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 71288	K6J73 RS03615 WP 005660019.1	.....	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	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
consensus		0

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		RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAVFLNPLDTLISLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1384	A4U84 RS08525 WP 010787006.1	0
NTDB id 1355	HI 0298 AAC21962.1	0
NTDB id 71288	K6J73 RS03615 WP 005660019.1	0
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NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
consensus		0

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		SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEEQEGTTFLPNPSGFFHPGEEVL	237
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NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKQWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	237
NTDB id 1384	A4U84 RS08525 WP 010787006.1	0
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NTDB id 71288	K6J73 RS03615 WP 005660019.1	0
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NTDB id 1110	NGFG RS09235 WP 003689817.1	0
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NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLLGEVLVQEGKLSR	317
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consensus	0

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NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLLAAQLGYEFLDPIQ	397
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAAQAVATQLGYPYVDPEE	397
NTDB id 1384 A4U84 RS08525 WP 010787006.1MSQYTI.....CEQQTERIFD.....	16
NTDB id 1355 HI 0298 AAC21962.1MTSYALLHTQRVTAQNGEVFT.....	21
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NTDB id 1293 VP RS12240 WP 005479695.1MHSNLSTILRQKGLLTFQSQESLIEQVKASGISMPEALLSSGFFTSSSLAEHLSSIFGLSQPELSQ	66
NTDB id 1110 NGFG RS09235 WP 003689817.1MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVTISPKSLAALIAARVFSYSILDLRH	65
NTDB id 1251 GC085 RS07725 WP 011946523.1MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAAQNFVPMPLDINC	74
NTDB id 1018 ACIAD RS01685 WP 004920473.1MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEITISLEFCEPLLDLGV	74
NTDB id 1058 ABD1 RS01615 WP 001274986.1MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAFAEPEYFDLDV	74
consensus*.....**.....**.....*	

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NTDB id 1028 TT RS08215 WP 011173991.1	DPPDPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILALDDVRLALKRKLNYEVAPAVATEAAITKLIERYFYGK	477
NTDB id 1384 A4U84 RS08525 WP 010787006.1	ISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVD DENNLTA CEIFAFMTH.....KQIEPVVITASDELKYLNALSPE	91
NTDB id 1355 HI 0298 AAC21962.1	ISPDWLERNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNL SACETIAFITG.....KPVEPILLESSQLKELLQQLTPN	96
NTDB id 71288 K6J73 RS03615 WP 005660019.1	ISPDWLERNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNL SACETIAFITG.....KPVEPILLESSQLKELLQQLAPN	96
NTDB id 1366 NTHI RS01950 WP 011271972.1	ISPDWLERNQQQSSLLRLRYFALPLKEENNRLWLGVDLSNL SACETIAFITG.....KPVEPILLESSQLKELLQQLTPH	96
NTDB id 1168 A1552VC RS11070 WP 000957200.1	YDYANLCQQLGLRELITRYDALPIAKQGNL LLLAVSDPTLLQAE EEF RFATG.....LQVELALADHRAALQAAIRRLYGR	141
NTDB id 1401 DSB67 RS12665 WP 010643259.1	YEYASLCQTLGLRDLITRHNA LPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR	141
NTDB id 1293 VP RS12240 WP 005479695.1	YEYASLCQQLGLRELITRHNA LPLHRTPTSTLLAVADPTNQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR	141
NTDB id 1110 NGFG RS09235 WP 003689817.1	YPRHRVLMGVLTEEQMV E FHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVEDDQLAGLLDWVGRS	140
NTDB id 1251 GC085 RS07725 WP 011946523.1	IDVGTIPVNLVNEKLIKRRHAMVPLFRSGTNLYLATDPPSKQASLKEITQFHTG.....LNTHAIVVETDKLSALIDNLLTA	149
NTDB id 1018 ACIAD RS01685 WP 004920473.1	FDPALFLDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIVIEHDKLERLLSEHFVE	149
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YDTSQIPKDLVDQKLLILKHRI LPLIQRGQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVEHHKLEKVLGQHFAE	149
consensus*.....**.....**.....*!.....*****.....*.....*.....*.....*.....*.....*.....*	

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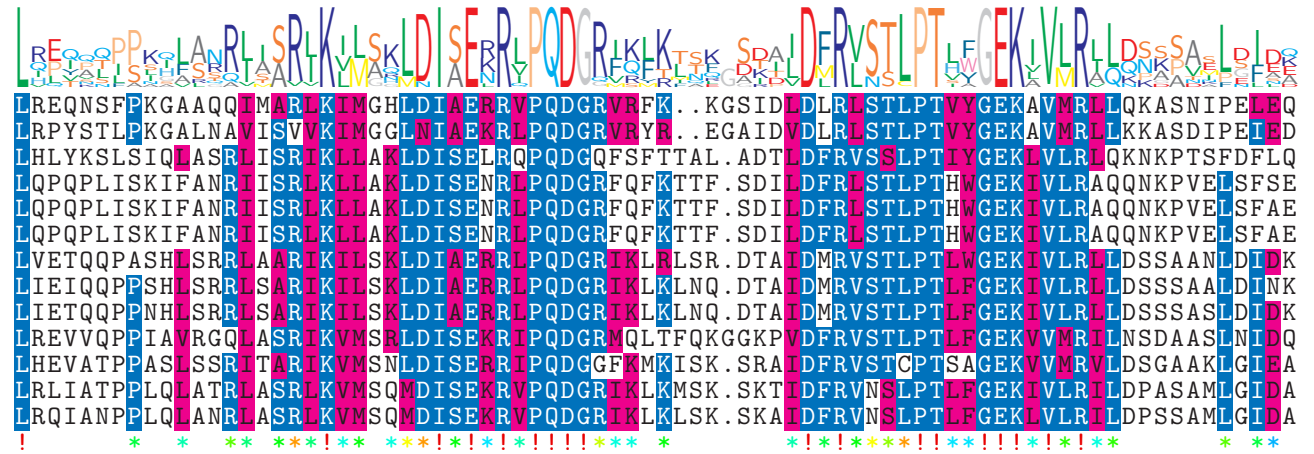
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 consensus



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logo

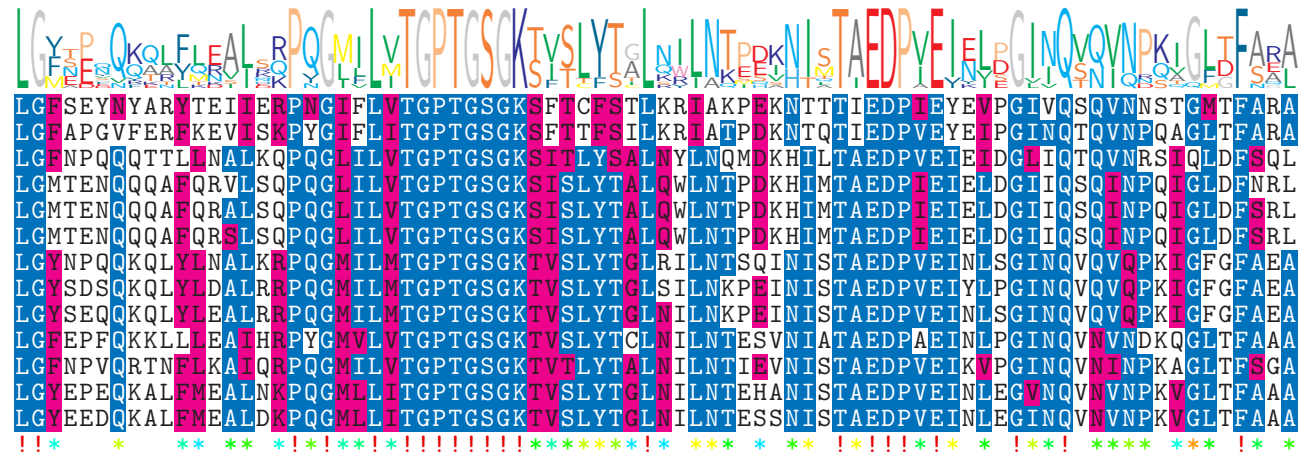
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 consensus



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 consensus



699
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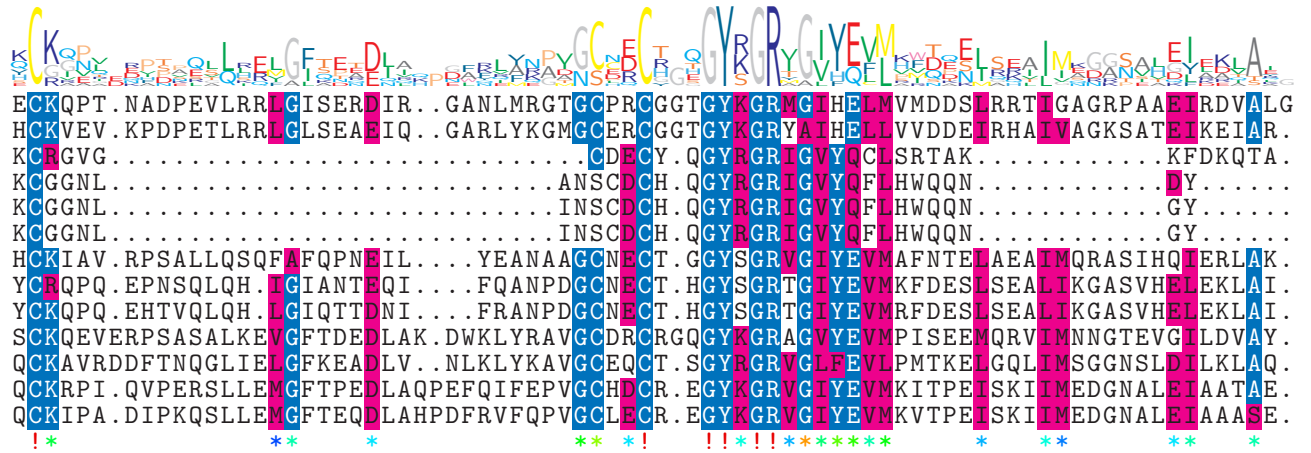
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 consensus



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



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429
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531
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logo

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 consensus



887
889
461
464
465
464
562
561
561
558
574
570
570

 non conserved
 similar
 $\geq 50\%$ conserved