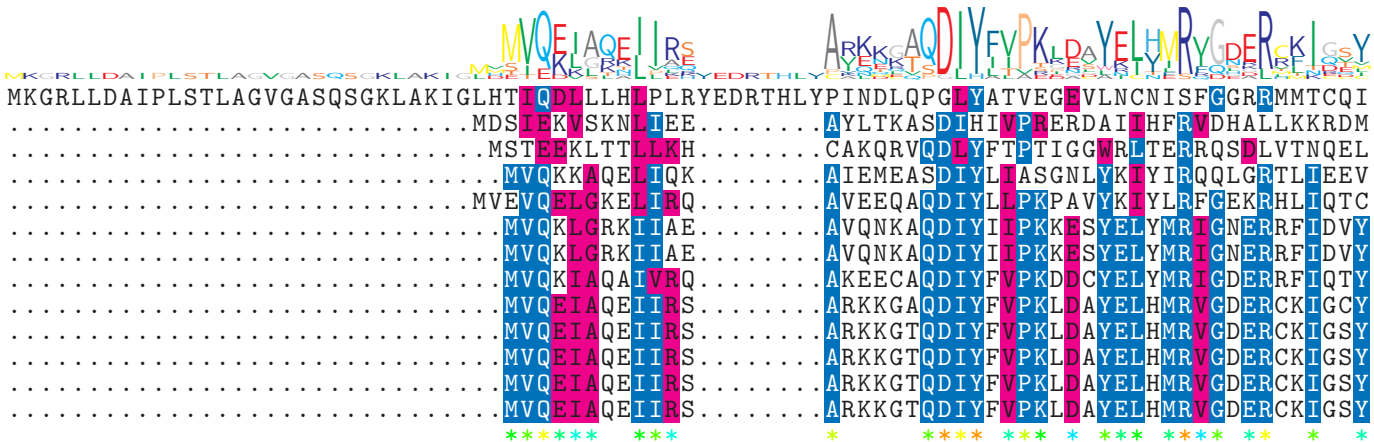


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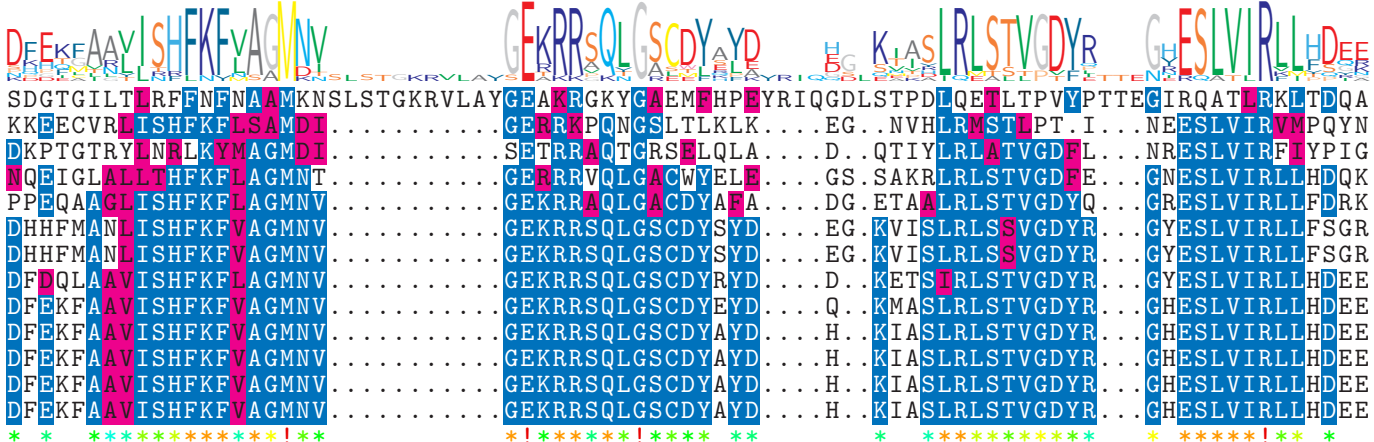
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NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
consensus



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NTDB id 160 SP RS10380 WP 000249564.1
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NTDB id 160 SP RS10380 WP 000249564.1
consensus



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NTDB id 129350 JT31 RS12020 WP 038477206.1	PLGNHDELKNQLLAALPFKPTGAQARVVAEIERDMALDVPMRLVQGDVGSGKTLVAALAALRA..IAHGKQVGLMAPTELLAEQ	332
NTDB id 96 BSU 24730 NP 390353.1	HGMLIFTGPTGSGKTTTLVSLVQYAKKHFNRNIVTLEDPVETRED	182
NTDB id 617 LCA RS06480 WP 011375001.1	SGLILFAGPTGSGKTTSLYHLAQQS..MSAKMVVAIEDPIEIVAPE	176
NTDB id 586 KW2 RS10855 WP 011836048.1	RGLYLFAGPVGSGKTSLMFDLAHRH..FSNAQVITIEEPVELIDSD	173
NTDB id 584 DLJ51 RS00890 WP 019777327.1	RGLYLFSGPVGSGKTTLMYELVSRK..YPDSQIITIEDPVEIKQDN	177
NTDB id 385 SMU RS09035 WP 002263435.1	RGLYLFSGPVGSGKTSLMYQLVKLR..FETKQVITIEDPVEIKQDN	175
NTDB id 394 FSA28 RS09405 WP 002291652.1	RGLYLFSGPVGSGKTSLMYQLVKLR..FETKQVITIEDPVEIKQDN	175
NTDB id 429 SGO RS09420 WP 012130942.1	RGLYLFSGPVGSGKTTLMHQLAQLK..FKGQQVMSIEDPVEIKQD	174
NTDB id 500 SM12261 RS00945 WP 000249545.1	RGLYLFAGPVGSGKTTLMHELAKSL..FKGQQVMSIEDPVEIKQDN	174
NTDB id 270 KZH43 RS09265 WP 000249564.1	RGLYLFAGPVGSGKTTLMHELAKSL..FKGQQVMSIEDPVEIKQD	174
NTDB id 229 SPD RS09895 WP 000249564.1	RGLYLFAGPVGSGKTTLMHELAKSL..FKGQQVMSIEDPVEIKQD	174
NTDB id 195 SPR RS09430 WP 000249564.1	RGLYLFAGPVGSGKTTLMHELAKSL..FKGQQVMSIEDPVEIKQD	174
NTDB id 160 SP RS10380 WP 000249564.1	RGLYLFAGPVGSGKTTLMHELAKSL..FKGQQVMSIEDPVEIKQD	174
consensus	***** !!!!!!!!!* * * *****! !*****	

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NTDB id 129350 JT31 RS12020 WP 038477206.1	HANNFRLWFEPLGIEVGWLAGKQKKGKARIAQQEAIASGQVSMVVGTHAIFQEQLVQFAGLALVIIDEQHRFGVHQRLALWEKGQIQ	417
NTDB id 96 BSU 24730 NP 390353.1	VL...QVQV	188
NTDB id 617 LCA RS06480 WP 011375001.1	FL...QLQV	182
NTDB id 586 KW2 RS10855 WP 011836048.1	FL...QLQV	179
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ML...LQL	183
NTDB id 385 SMU RS09035 WP 002263435.1	ML...LQL	181
NTDB id 394 FSA28 RS09405 WP 002291652.1	ML...LQL	181
NTDB id 429 SGO RS09420 WP 012130942.1	ML...LQL	180
NTDB id 500 SM12261 RS00945 WP 000249545.1	ML...LQL	180
NTDB id 270 KZH43 RS09265 WP 000249564.1	ML...LQL	180
NTDB id 229 SPD RS09895 WP 000249564.1	ML...LQL	180
NTDB id 195 SPR RS09430 WP 000249564.1	ML...LQL	180
NTDB id 160 SP RS10380 WP 000249564.1	ML...LQL	180
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NTDB id 96 BSU 24730 NP 390353.1	NE	190
NTDB id 617 LCA RS06480 WP 011375001.1	ND	184
NTDB id 586 KW2 RS10855 WP 011836048.1	ND	181
NTDB id 584 DLJ51 RS00890 WP 019777327.1	NP	185
NTDB id 385 SMU RS09035 WP 002263435.1	NE	183
NTDB id 394 FSA28 RS09405 WP 002291652.1	NE	183
NTDB id 429 SGO RS09420 WP 012130942.1	NE	182
NTDB id 500 SM12261 RS00945 WP 000249545.1	NE	182
NTDB id 270 KZH43 RS09265 WP 000249564.1	NE	182
NTDB id 229 SPD RS09895 WP 000249564.1	NE	182
NTDB id 195 SPR RS09430 WP 000249564.1	NE	182
NTDB id 160 SP RS10380 WP 000249564.1	NE	182
consensus	*****	

NTDB id	129350 JT31 RS12020 WP 038477206.1	A A E V T W E E L K T . A P E L N I G L V H G R M K P Q E . K Q A V M Q A F K L G E L H L L V A T T V I E V G V D V P N A S L M I I E N P E R L G L A	576
NTDB id	96 BSU 24730 NP 390353.1	K A G V T Y S A G L K A I L R H D P D M I L G E I R D A E T A E I A V R A A M T C H L V L T S L H T F D A K G A I Y R L L E F C I N M N E I E Q T V I	266
NTDB id	617 LCA RS06480 WP 011375001.1	N A G L S Y A E L L K I S L R L R P D T L I G E I R D L E T A Q Y V V S A A L S G H L V L S T I H A S T Q G V V A R L L D L C I S E L Q L R A C L T	260
NTDB id	586 KW2 RS10855 WP 011836048.1	V I G N S Y D E L I K L S L R H R P D L I V G E I R D Q T A R A V I R A S L T G Y T V F S T I H A S V K G V V Q R L L E L G S D W E L K N G L E	257
NTDB id	584 DLJ51 RS00890 WP 019777327.1	S I G M T Y D H L I K L S L R H R P D V L I G E I R D R E T A Q A V I R A S L T G I R V F S T V H A K S I P G V V A R T L E L G V S Q D E L D N C L A	261
NTDB id	385 SMU RS09035 WP 002263435.1	S I D M T Y D N L I K L S L R H R P D I L I G E I R D K E T A R A V I R A S L T G A M V F S T I H A K S I P G V V A R M L E L C T S S E E L Q N A L R	259
NTDB id	394 FSA28 RS09405 WP 002291652.1	S I D M T Y D N L I K L S L R H R P D I L I G E I R D K E T A R A V I R A S L T G A M V F S T I H A K S I P G V V A R M L E L C T S S E E L Q N A L C	259
NTDB id	429 SGO RS09420 WP 012130942.1	T I G L T Y E S L I K L S L R H R P D L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I P G V V E R L L E L G V S E E E L K I V L Q	258
NTDB id	500 SM12261 RS00945 WP 000249545.1	A I G L T Y E N L I K L S L R H R P D L L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I R G V V E R L L E L G V S E E E L A V V L Q	258
NTDB id	270 KZH43 RS09265 WP 000249564.1	A I G L T Y E N L I K L S L R H R P D L L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I R G V V E R L L E L G V S E E E L A V V L Q	258
NTDB id	229 SPD RS09895 WP 000249564.1	A I G L T Y E N L I K L S L R H R P D L L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I R G V V E R L L E L G V S E E E L A V V L Q	258
NTDB id	195 SPR RS09430 WP 000249564.1	A I G L T Y E N L I K L S L R H R P D L L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I R G V V E R L L E L G V S E E E L A V V L Q	258
NTDB id	160 SP RS10380 WP 000249564.1	A I G L T Y E N L I K L S L R H R P D L L I I G E I R D S E T A R A V V R A S L T G A T V F S T I H A K S I R G V V E R L L E L G V S E E E L A V V L Q	258
consensus		* * * * *	*

NTDB id 129350 JT31 RS12020 WP 038477206.1	QLHQLRGRVGRG.....AVASHCVLLYKSPLSKTAQLRL.....GVLRDSNDGFVIAQKDLEIRGPGELLG	637
NTDB id 96 BSU 24730 NP 390353.1	AIAAQR.LVDLACP.....FCENGCSVYCRQSRNTRRASVYELLYGKNLQQCI...QEAKGNHAN.YQYQTLRQIIRKGIALG	340
NTDB id 617 LCA RS06480 WP 011375001.1	GIAYQS.LVTKDDVVQAH...YELLTGSDYFSK.....KSGCQDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	AVVYQR.LIAGKGLDIAKSKFDTWSPKKWNEK.....IENLYANGHULTAIEAEREKISINQAS.KIDTTD.....GES..	324
NTDB id 584 DLJ51 RS00890 WP 019777327.1	GIAYQR.LIGGGGLIDFAQDHFQNHQAECKWNEK.....IDQLLAAGHUTEEBAAAEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	GIVYQR.LIGGGGIIIDFAKGDYQNHSAKKWNKQ.....IYDLFTAQYITEGEAQAEETED.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	GIVYQR.LIGGGGIIIDFAKGDYQNHSAKKWNKQ.....IYDLFTAQYITEGEAQAEETED.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	GICYQR.LIGGGGIVDFASDNYQEHEPTVWNAQ.....IDQLLAAGHIHPEQAEAEKIRNQQAK.TSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1	GVCYQR.LIGGGGIVDFANKDYQEHQAEKSTVWNAQ.....IDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	GVCYQR.LIGGGGIVDFASRDYQEHQAIAKWNEQ.....IDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	GVCYQR.LIGGGGIVDFASRDYQEHQAIAKWNEQ.....IDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	GVCYQR.LIGGGGIVDFASRDYQEHQAIAKWNEQ.....IDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	GVCYQR.LIGGGGIVDFASRDYQEHQAIAKWNEQ.....IDQLLKDGHITSLQAETEKISYS.....	313
consensus	***** ****	

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NTDB id 586 KW2 RS10855 WP 011836048.1	FE.....	326
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NTDB id 385 SMU RS09035 WP 002263435.1		313
NTDB id 394 FSA28 RS09405 WP 002291652.1		313
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NTDB id 195 SPR RS09430 WP 000249564.1		313
NTDB id 160 SP RS10380 WP 000249564.1		313
consensus		

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