

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MSXLSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLDIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
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 193189 BE845 RS00885 WP 011215550.1	.....	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		

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NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
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
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NTDB id 193189 BE845 RS00885 WP 011215550.1		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		

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NTDB id 1306 DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028 TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
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NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	LSMLRSDALRLRLAVPVDETEQGVTVLTSDPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
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 193189 BE845 RS00885 WP 011215550.1		0
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NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQ	397
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEALQKQRRGGGRLEDTLVQSGKLRPEALAAQAVATQLGYPYVDPEE	397
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAEILISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSR	66
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSSELAEHLSSIFGLSQPELSQ	66
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEESSLIEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQ	66
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQAHHY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH	65
NTDB id 193189 BE845 RS00885 WP 011215550.1	MALATEEYRLQGIGQLLVLEKMLDKAKAIELHKLAAAEKMSLLQYIVKNKILSAEQIALTAAQNFQVPMLDINC	74
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKMLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFQVPMLDINC	74
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDV	74
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIIISLEFGEPLLDLGV	74
consensus	* ***** *** **** * * * * ** * **** ** * *** *** * ***** ***	

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NTDB id 1306 DR RS10060 WP 027479822.1	NPPDPKVALMIPAEATARRYVVVPVRLQGNLSLVAMKDPNRNVFALDDLKLITG.....KEILPAVMAEKDIIRLIERYFGE	472
NTDB id 1028 TT RS08215 WP 011173991.1	DPPDPGAPLILPEDLCRRYGVFPHRLEGNRLVILMKDPRNILALDDVRLALKRKGLNVEVAPAVATEAAITKLIERYFGK	477
NTDB id 1168 A1552VC RS11070 WP 000957200.1	YDYANLCQQGLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEFEFRFATG.....LQVELALADHRALQAIRRLYGR	141
NTDB id 1293 VP RS12240 WP 005479695.1	YEYASLCQQGLGLRELITRHNAIPLHRTPTSTLLAVADPTNQQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR	141
NTDB id 1401 DSB67 RS12665 WP 010643259.1	YEYASLCQTLGLRLDLITRHNAIPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR	141
NTDB id 1110 NGFG RS09235 WP 003689817.1	YPRHRVLMGVLTEEQMVFEHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVEDDQLAGLLDWVGSR	140
NTDB id 193189 BE845 RS00885 WP 011215550.1	IDVGTIPANLVNEKLIKRRHAMVPLFSRGTNLVYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA	149
NTDB id 1251 GC085 RS07725 WP 011946523.1	IDVGTIPVNLVNEKLIKRRHAMVPLFSRGTNLVYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA	149
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YDTSQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVEHHKLEKVLGQHFAE	149
NTDB id 1018 ACIAD RS01685 WP 004920473.1	FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIIVEHDKLERLLSEHFVE	149
consensus	** * * ** ***** ** *! * ** * ***** *! *** ***** ***** ***** ***** ***** *****	

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consensus

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KGF¹E¹K¹L¹N¹K¹E¹L¹A¹E¹.....R¹N¹K¹T¹Q¹Q¹S¹Q¹E¹A¹D¹L¹S¹V¹A¹.....D¹E¹S¹A¹I¹Q¹V¹Q¹V¹D¹S¹T¹I¹R¹E¹A¹A¹L¹Q¹D¹A¹S¹D¹I¹H¹I¹E¹T¹T¹E¹D¹A¹V¹K¹V¹R¹Y¹R¹L¹D¹G¹A¹ 541
 AEL¹S¹E¹IA¹K¹EF¹AK¹.....K¹QA¹EE¹V¹.....P¹SP¹LE¹L¹.....D¹ESA¹A¹Q¹K¹F¹V¹K¹Q¹V¹IRE¹AF¹L¹Q¹D¹A¹S¹D¹I¹H¹IE¹P¹R¹ND¹V¹Q¹V¹R¹L¹D¹G¹A¹ 544
 SI¹GGA¹AN¹Q¹G¹K¹E¹..IS¹Q¹DEL¹AN¹L¹V¹K¹V¹S¹DEL¹Q¹S¹IED¹LS¹Q¹.....D¹SP¹SV¹SR¹Y¹IN¹Q¹ILL¹DA¹V¹R¹K¹GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RL¹RC¹D¹GI¹ 219
 SL¹S¹HE¹K¹SG¹L¹K¹E¹..IN¹Q¹E¹EL¹AS¹L¹V¹D¹V¹G¹AD¹E¹ID¹N¹IED¹LS¹Q¹.....D¹ESP¹VS¹SR¹Y¹IN¹Q¹ILL¹DA¹V¹R¹K¹GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RL¹RC¹D¹GI¹ 219
 SL¹G¹Q¹E¹K¹SG¹L¹K¹E¹..IN¹Q¹DEL¹AG¹L¹V¹D¹IG¹E¹DE¹IE¹N¹IED¹LS¹Q¹.....D¹ESP¹VS¹SR¹Y¹IN¹Q¹ILL¹DA¹V¹R¹K¹GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RL¹RC¹D¹GI¹ 219
 ST¹SL¹..L¹Q¹EL¹GE¹.....G¹Q¹EE¹E¹ES¹HT¹LY¹ID¹NE¹EA¹.....D¹GP¹V¹PR¹FI¹H¹KT¹LS¹DA¹LS¹.....GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RL¹RC¹D¹GI¹ 209
 KE¹S¹Q¹GL¹SE¹Y¹VD¹SG¹DL¹EG¹LE¹IS¹AD¹..DED¹Q¹DS¹DT¹ATS¹VT¹.....D¹DA¹PI¹V¹K¹F¹V¹N¹K¹ILL¹DA¹IR¹Q¹.....GAS¹DI¹H¹FEP¹YER¹Y¹RY¹R¹Q¹D¹GI¹ 228
 KE¹S¹Q¹GL¹SE¹Y¹VD¹SG¹DL¹EG¹LE¹IS¹AD¹..DED¹Q¹DI¹DT¹ATS¹VT¹.....D¹DA¹PI¹V¹K¹F¹V¹N¹K¹ILL¹DA¹IR¹Q¹.....GAS¹DI¹H¹FEP¹YER¹Y¹RY¹R¹Q¹D¹GI¹ 228
 ES¹S¹FD¹FN¹D¹E¹...E¹FD¹...LD¹V¹N¹LD¹GP¹TA¹Q¹ED¹EE¹AP¹Q¹G¹.....D¹EAP¹IV¹K¹Y¹IN¹K¹ILL¹DA¹IR¹Q¹.....GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RY¹R¹Q¹D¹GI¹ 223
 ETH¹FN¹FD¹TE¹...E¹LD¹...LD¹VE¹VD¹PH¹TT¹DD¹DD¹DK¹L¹K¹.....D¹EAP¹IV¹K¹Y¹IN¹K¹ILL¹DA¹IR¹Q¹.....GAS¹DI¹H¹FEP¹YEN¹Q¹Y¹RY¹R¹Q¹D¹GI¹ 223

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consensus



779
782
458
458
458
449
467
467
462
462

logo

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consensus



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858
531
530
530
527
543
543
539
539

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



887
889
562
561
561
558
574
574
570
570

ⓧ non conserved
ⓧ similar
ⓧ ≥ 50% conserved