

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	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 1251 GC085 RS07725 WP 011946523.1		0
NTDB id 172221 AYR67 RS16400 WP 001274990.1		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 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1		0
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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
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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 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
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NTDB id 1293 VP RS12240 WP 005479695.1		0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		0
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NTDB id 1251 GC085 RS07725 WP 011946523.1		0
NTDB id 172221 AYR67 RS16400 WP 001274990.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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consensus

[illegible]

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consensus

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

Position	Residue	Position	Residue	Position	Residue
1	S	34	L	67	S
2	V	35	I	68	V
3	D	36	G	69	L
4	P	37	R	70	V
5	E	38	F	71	V
6	V	39	F	72	I
7	A	40	P	73	R
8	P	41	L	74	L
9	P	42	A	75	V
10	P	43	Q	76	T
11	P	44	Q	77	N
12	P	45	M	78	I
13	P	46	79	R	
14	P	47	I	80	V
15	P	48	G	81	K
16	P	49	R	82	G
17	P	50	F	83	F
18	P	51	L	84	R
19	P	52	P	85	N
20	P	53	L	86	I
21	P	54	V	87	L
22	P	55	D	88	R
23	P	56	P	89	V
24	P	57	D	90	K
25	P	58	N	91	G
26	P	59	L	92	F
27	P	60	A	93	R
28	P	61	A	94	L
29	P	62	D	95	V
30	P	63	E	96	V
31	P	64	N	97	I
32	P	65	R	98	V
33	P	66	L	99	V
34	P	67	T	100	E

NTDB id 1410	SGL RS13950 WP 010873519.1	QDDFNQLLEQYVAIREEWAAAEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEEDVDNALDSNDA	NQAPVILNVNKILLAKA	244	
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NTDB id 1168	A1552VC RS11070 WP 000957200.1	HRAIQAAIRRLYGRSIQAANQGK..EI.SQDELANL.....	VKVSDDELQSIEDLSQ	DSPVSRFINQVLLDA	193	
NTDB id 1293	VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL.....	VDVGADEIDNIEDLSQ	DESPVSRYINQILLDA	193	
NTDB id 1401	DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGSEKSGLK..EI.NQDELAGL.....	VDIGEDEIEINEDLSQ	DESPVSRYINQILLDA	193	
NTDB id 1110	NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSRSTSL.LQEL.....	GEG.....	QEEESHTLYIDNEEA	EDGPVPRFIHKTLSDA	183
NTDB id 1251	GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVT	DDAPIVKFVNKILLDA	202	
NTDB id 172221	AYR67 RS16400 WP 001274990.1	HHKLEKVLGGHF AEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDEE	EAPQG	DEAPIVKYINKLLIDA	197
NTDB id 1058	ABD1 RS01615 WP 001274986.1	HHKLEKVLGGHF AEESSFDFNDE...EF.D...LDVN.....	LDGPTAQEDEE	EAPQG	DEAPIVKYINKLLIDA	197
NTDB id 1018	ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFEVEETHFNFDTE...EL.D...LDVE.....	VDPHTTDDDDEDKCLK	DEAPIVKYINKLLIDA	197	
consensus		* ** **** * *	*	** ***** *	***** !	

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NTDB	id 1410	SGL RS13950 WP 010873519.1	NTLPSRYGEKVC	LRILDNSATQ	LGLDFLITN	PETLQTVRE	ELAA	RPYGLMLV	TGPTGSGKST	TLYSVLAERN	NSPEVN	NINTA	402
NTDB	id 1028	TT RS08215 WP 011173991.1	STLPTVYGEKAV	MRILKKASD	DIPEIEDL	GFAPGVFER	FKEVIS	KPYGIFL	ITGPTGSGK	SFTITFS	ILKRIATP	DKNTQTI	675
NTDB	id 1168	A1552VC RS11070 WP 000957200.1	STLPTLWGEKIV	LRLLDSSAAN	LIDIDK	LGYNPQQ	KQLYLNAL	KRPQGMIL	MTGPTGSGK	TVSLYTGLR	ILNTSQIN	NISTA	351
NTDB	id 1293	VP RS12240 WP 005479695.1	STLPTLFGKEIV	LRLLDSSASAL	IDIK	LGYSQKQ	QLYLEAL	RRPQGMIL	MTGPTGSGK	TVSLYTGLN	ILNKPEIN	NISTA	351
NTDB	id 1401	DSB67 RS12665 WP 010643259.1	STLPTLFGKEIV	LRLLDSSAAL	IDIK	LGYSQKQ	QLYLEAL	RRPQGMIL	MTGPTGSGK	TVSLYTGLN	ILNKPEIN	NISTA	351
NTDB	id 1110	NGFG RS09235 WP 003689817.1	STLPTLFGKEIV	MRILNSDAAS	LNIDQL	GFEPFKK	LLLEATHR	PPYGMVLV	TGPTGSGK	TVSLYTCLN	ILNTESVNI	ATA	342
NTDB	id 1251	GC085 RS07725 WP 011946523.1	STCPTSAGEKVV	MRVLDSGAA	KLGIEAL	GFNPVQR	TNFLKAI	QRPQGMIL	VTGPTGSGK	TVTLYTALN	ILNTIEVN	NISTA	360
NTDB	id 172221	AYR67 RS16400 WP 001274990.1	NSLPTLFGKEIV	LRILDPSSAM	LGIDAL	GYEEDQK	ALFMEALD	KPQGMILL	ITGPTGSGK	TVSLYTGLN	ILNTESSN	NISTA	355
NTDB	id 1058	ABD1 RS01615 WP 001274986.1	NSLPTLFGKEIV	LRILDPSSAM	LGIDAL	GYEEDQK	ALFMEALD	KPQGMILL	ITGPTGSGK	TVSLYTGLN	ILNTESSN	NISTA	355
NTDB	id 1018	ACIAD RS01685 WP 004920473.1	NSLPTLFGKEIV	LRILDPASAM	LGIDAL	GYEEDQK	ALFMEALN	KPQGMILL	ITGPTGSGK	TVSLYTGLN	ILNTEHAN	NISTA	355
consensus			***!*****	*****	*****	!***	*	*****	*****	*****	*****	*****	

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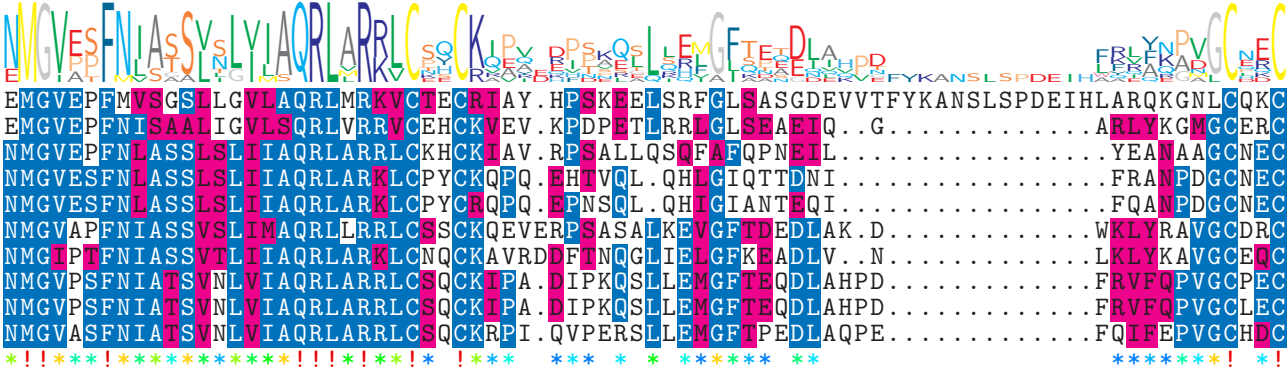
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus



482
755
431
431
431
422
440
435
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435

logo

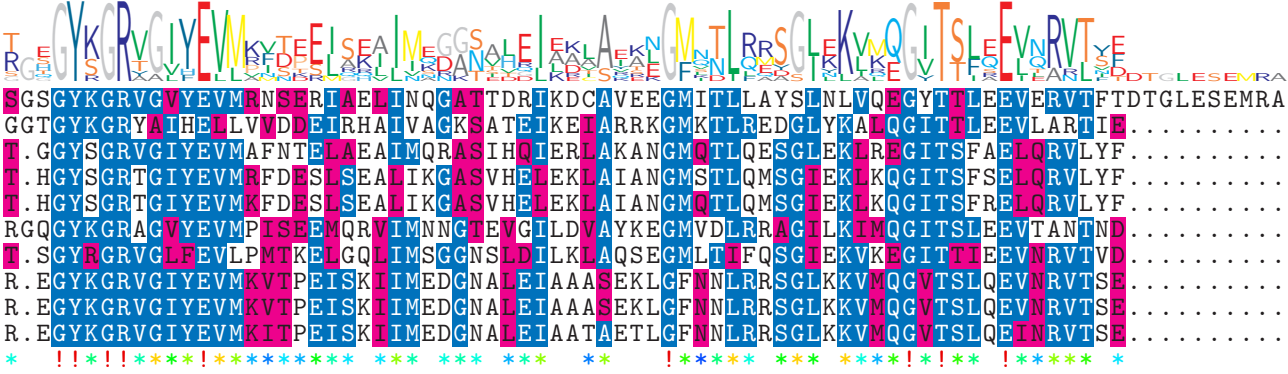
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus



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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
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consensus



641
889
562
561
561
558
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570

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1		889
NTDB id 1168 A1552VC RS11070 WP 000957200.1		562
NTDB id 1293 VP RS12240 WP 005479695.1		561
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NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved