

NTDB id	Accession	Sequence	Score
NTDB id 1410	SGL RS13950 WP 010873519.1	MSVLTITGDKRLGAAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS LAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	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 1005138	ABI154 RS16845 WP 001274990.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLD TL SL EE VEDLTGLVVEPYQT TK SAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLD TL SL EE VEDLTGLVVEPYQT TK SAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1		0
NTDB id 1293 VP RS12240 WP 005479695.1		0
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NTDB id 1110 NGFG RS09235 WP 003689817.1		0
NTDB id 1251 GC085 RS07725 WP 011946523.1		0
NTDB id 1005138 ABI154 RS16845 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

NTDB id	Accession	Sequence	Score
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NTDB id 1028	TT RS08215 WP 011173991.1	EGQKDLKLGE LLLQKGWISREALEEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
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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
NTDB id 1005138	ABI154 RS16845 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 1018 ACIAD RS01685 WP 004920473.1
consensus

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[illegible]

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NTDB id 1410 SGL RS13950 WP 010873519.1
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NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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

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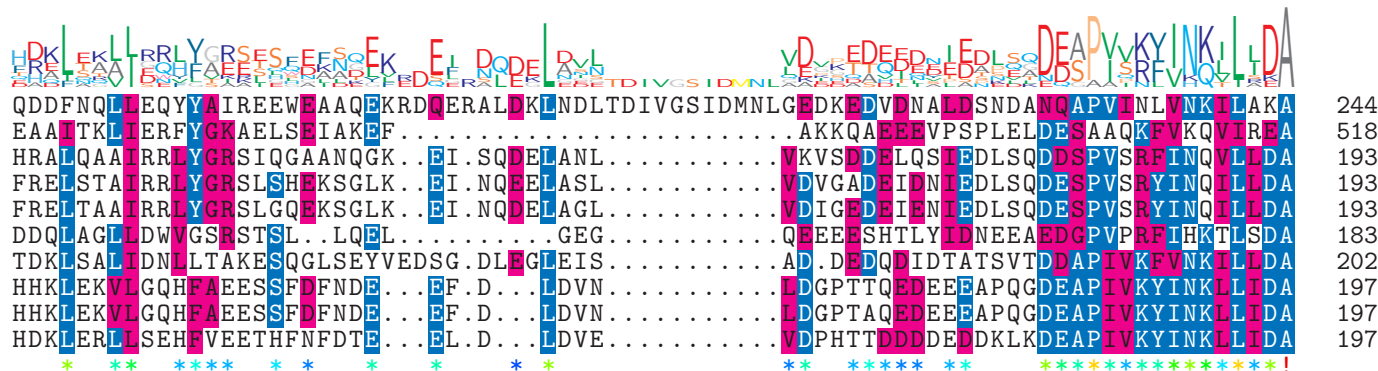
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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Sequence	Position
SVDPEVAPIATQMAELIGRFFPLDTCRRYKFLPLAAQEGDPSSVLVAVDPDNLAAQDELNRILRVKGF.EERRLVVT	164
YVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNMLATDVLRLALKRKGLNVEVAPAVAT	463
ETDLSRYDYAN.....LCQQLGLRELITRYDALPIAKQ...GNLLLVASDPTLLQAEERFRFATG.....LQVELALAD	127
QPELSQYEYAS.....LCQQLGLRELITRHNALPLHRT...PSTLLLVADPTNQQAEDDFRFATG.....LQVELVLAD	127
CTSLNQYEYAS.....LCQTLGLRLITRHNALPLNRT...SSTLLLVADPTNLQABDDFRFATG.....LQVELVLAD	127
IDLRLHYPRHR.....VLMGVLTEEQMVFEHCVPLVFR...GDKVFFAVSDPTQMPQIQKTVSAAG.....LAVELVIVE	126
MLDINCIIVGT.....IPVNLVNEKLIKRRHAMVPLFSR...GTNLVLATDDPSKQASLKEIQFHTG.....LNTHAIVIVE	135
YFDLDVYDTSQ.....IPKDLVDQKLIKLRHILPLIQR...GQILYVATSNPSNTEADATRFNSK.....LLVEPVIVE	135
YFDLDVYDTSQ.....IPKDLVDQKLIKLRHILPLIQR...GQILYVATSNPSNTEADATRFNSK.....LLVEPVIVE	135
LLDLGVFDPAL.....FLDKDIDEXLIKRYRIMPLVHR...GHVLYVATSNPTNTEADATRFNSK.....LKVEPIVE	135

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
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NTDB id 1168 A1552VC RS11070 WP 000957200.1
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consensus



logo

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consensus



logo

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



logo

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NTDB id 1005138 ABI154 RS16845 WP 001274990.1
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
435
435

logo

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NTDB id 1058 ABD1 RS01615 WP 001274986.1
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consensus

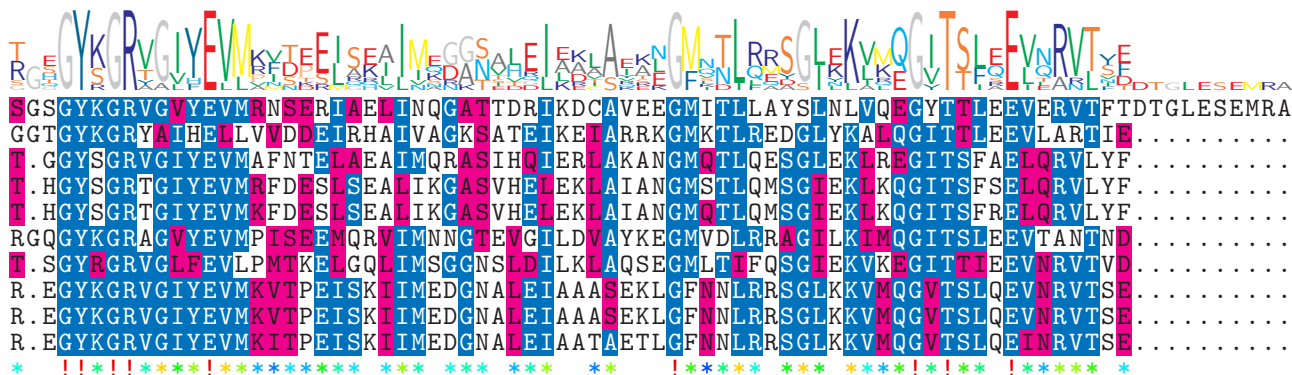


561
819
493
492
492
488
505
501
501
501

logo

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NTDB id 1005138 ABI154 RS16845 WP 001274990.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
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consensus



641
889
562
561
561
558
574
570
570
570

logo

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NTDB id 1251 GC085 RS07725 WP 011946523.1		574
NTDB id 1005138 ABI154 RS16845 WP 001274990.1		570
NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved