

logo

		MSXLSIGDRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAAL	79
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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 280498	C4F17 RS24790 WP 081267928.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

		RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA	
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDPLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLLPVPPP..P	158
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA	157
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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 280498	C4F17 RS24790 WP 081267928.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAA	
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAA	237
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 280498	C4F17 RS24790 WP 081267928.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1

.....L.....R.....D.....A.....L.....R.....L.....A.....V.....P.....Y.....E.....S.....E.....S.....E.....V.....E.....V.....Y.....L.....S.....D.....P.....R.....K.....R.....E.....Y.....R.....L.....Y.....R.....P.....X.....S.....M.....L.....T.....E.....P.....S.....Y.....E.....E.....L.....E.....S.....Y.....P.....Q.....R.....R.....L.....G.....E.....L.....V.....Q.....E.....G.....L.....S.....R.....
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR

317
 317
 0
 0
 0
 0
 0
 0
 0
 0

consensus

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1

.....M.....L.....G.....L.....R.....I.....V.....Q.....E.....G.....L.....L.....T.....A.....Q.....E.....E.....A.....L.....K.....Y.....K.....A.....G.....S.....L.....P.....E.....Y.....S.....S.....G.....F.....S.....P.....E.....E.....L.....A.....E.....L.....S.....Y.....F.....G.....P.....L.....D.....L.....S.....
 EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEE
 DQLREALQVQAREGKVKPLGEVITELGFASPDVEDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQ
MLTNLVAILRQAEILISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSR
MLTNLSTVLRQAGILTFSSQEESSLIEQVKASGISMPEALLSSGFFQSHLTELHSSVFGLSCTSLNQ
MHSNLSTILRQKGLLTFSSQEESSLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQ
 MALA.....TEEYRIQGITGILLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAQAQNFQVPMLDINC
MSVGLLRILVQNVVTVVEQAHHYINESQA.GKEVLPMLFSDGVI SPKSLAALIA RVFSYSILDLRH
 MAAAELPVKESAQIALPGLARALISAGKLAAKTAEDIYQKSLSGRTSFAELTGTGAVSAADLAHTLSSAFGAPLLDLDA
 MSALH.....TSPKFTGFFRRLVEEKHVSAAATMTALDAAKRAKQDTVAYLITEEVHLSPLSLAETISAFAEPYFDLDV
 MSAFT.....TPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEILSLEFGEPLLDLGV

397
 397
 66
 66
 66
 74
 65
 80
 74
 74

consensus

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1

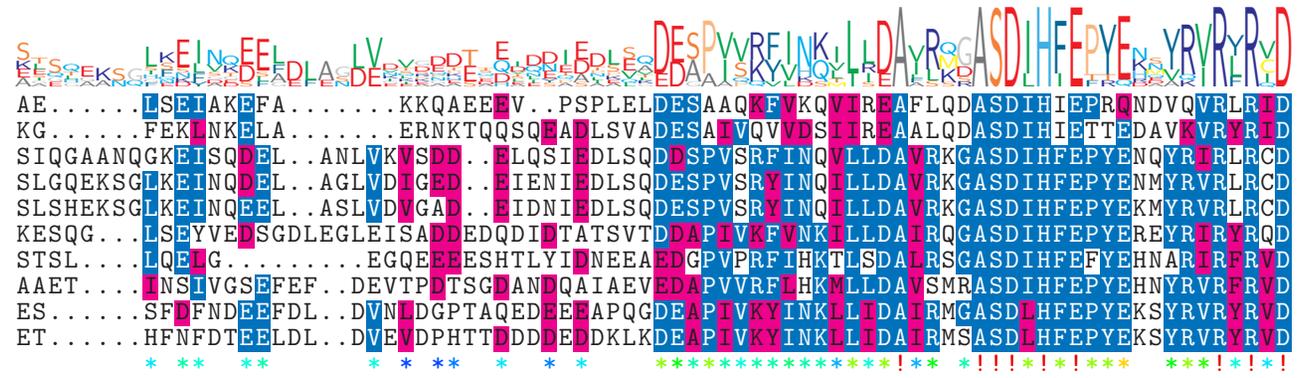
.....Y.....D.....Y.....A.....L.....P.....O.....P.....L.....L.....L.....E.....K.....L.....R.....Y.....P.....L.....R.....G.....N.....L.....Y.....L.....A.....V.....S.....D.....P.....T.....I.....N.....Q.....A.....D.....D.....I.....R.....F.....A.....T.....G.....L.....V.....E.....P.....V.....I.....A.....E.....H.....D.....K.....S.....R.....L.....R.....R.....L.....Y.....C.....R.....
 DPPDPGAPLLIPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILALDDVRLALKRKGLNVEVAPAVATEAAITKLIERYFGK
 NPPDPKVALMPEATARRYVVVVRVLRQNSLVVAMKDPNRNVFALDDLKLITG.....KEILPAVMAEKDIIRLIERYFGE
 YDYANLCQQGLGRELITRYDALPIAKQGNLLLVAVSDPTLLQAEFFRFATG.....LQVELALADHRALQAAIRRLYGR
 YEYASLCQTLGLRDLITRHNAIPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR
 YEYASLCQQGLGRELITRHNAIPLHRTPTSTLLAVADPTNQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR
 IDVGTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA
 YPRHRVLMGVLTEEQMVEFHCVFVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....I AVELVIVEDDQLAGLLDWVGSF
 IDHQRIPKDLIDPKLCHAYRIVVLSKRNNRLIVATADPSDQQAEEKIKFASQ.....MGVDWVIAEYDKLSRMIEAAAVS
 YDTSQIPKDLVDQKILKHRILPLIQRGQILYVATSNPSNIEATDAIRFNSK.....LLVEPVIVEHHKLEKVLGQHFAE
 FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPILIVEHDKLERLLSEHFVE

477
 472
 141
 141
 141
 149
 140
 155
 149
 149

consensus

logo

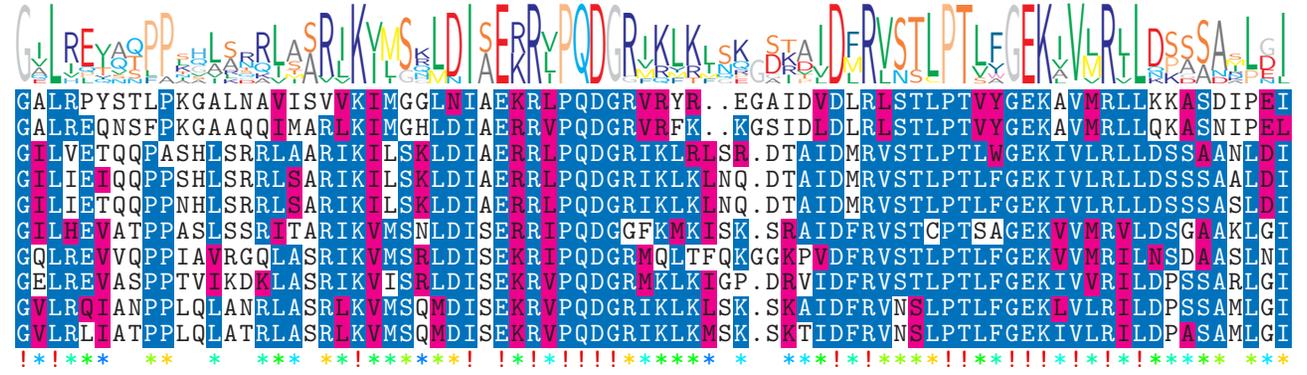
NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



542
539
217
217
217
226
207
229
221
221

logo

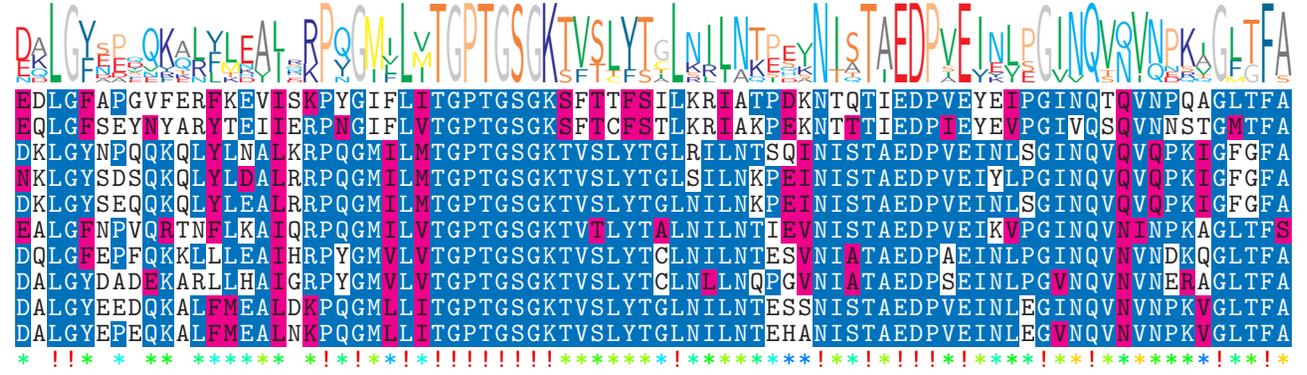
NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



620
617
296
296
305
287
308
300
300

logo

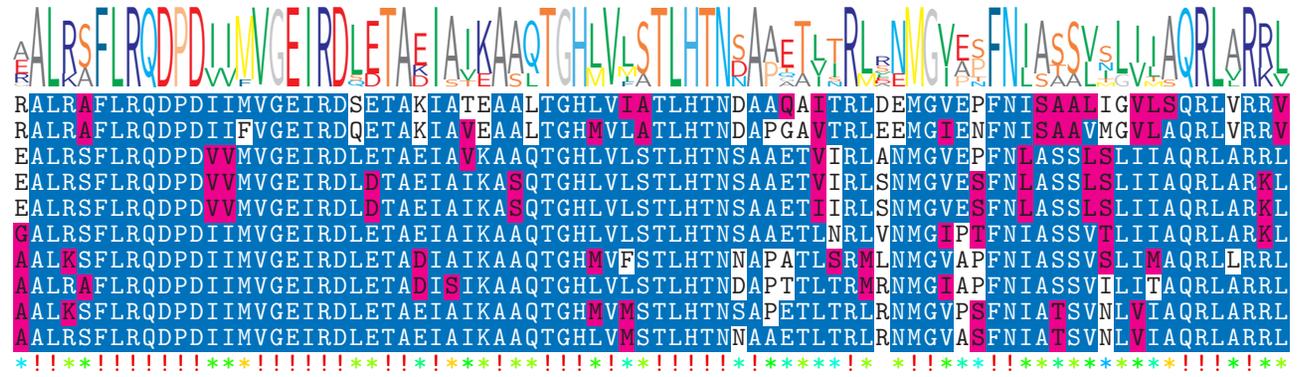
NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



700
697
376
376
376
385
367
388
380
380

logo

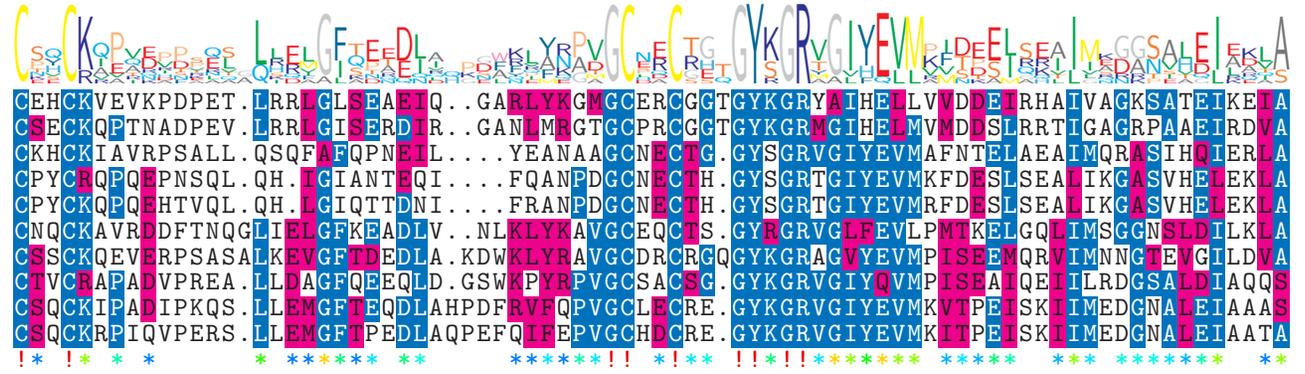
NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



780
777
456
456
456
465
447
468
460
460

logo

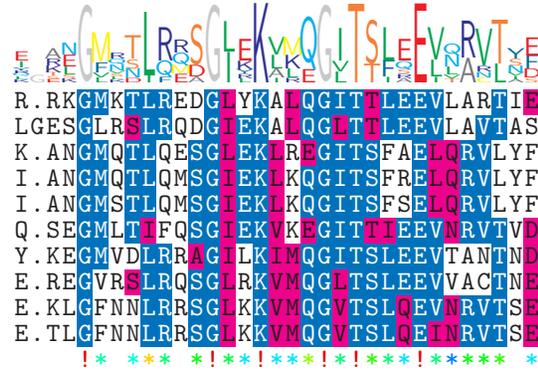
NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



857
854
530
529
529
542
526
545
538
538

logo

NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 280498 C4F17 RS24790 WP 081267928.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



889
887
562
561
561
574
558
577
570
570

non conserved
 similar
 ≥ 50% conserved