

logo

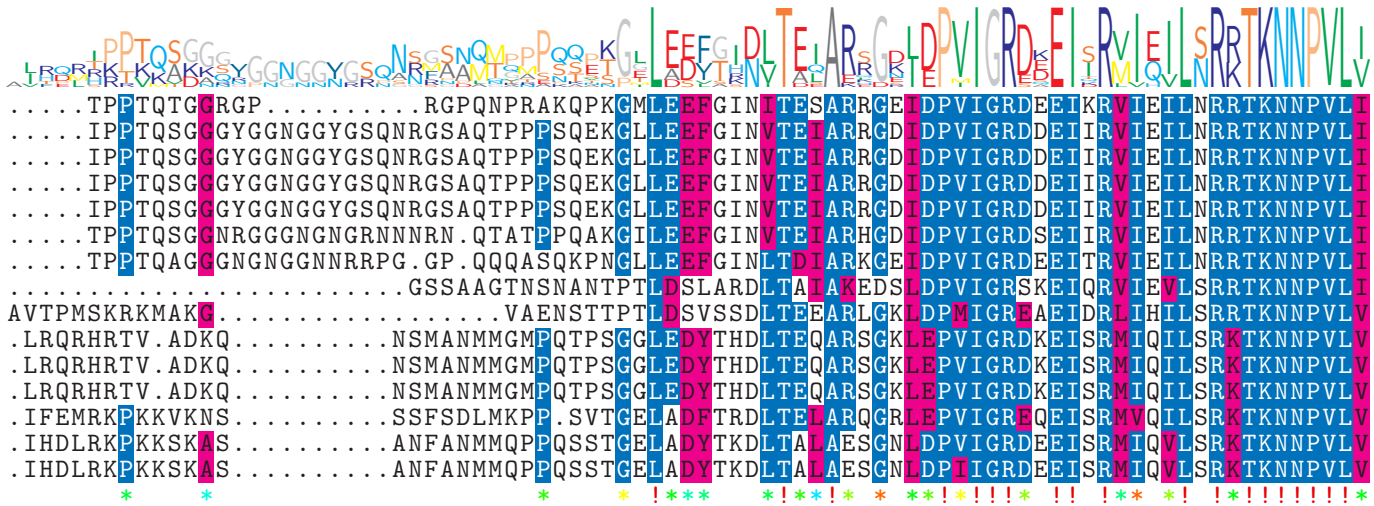
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NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS		75
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NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	F	75
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NTDB id 329 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESP FLETWHVLLAMVEVPGSA YLTF TDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	I	81
consensus	*.....*		

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NTDB	id	601	KW2	RS02615	WP	021036805.1	H	L	Y	T	S	V	N	G	Q	K	K	Q	I	D	L	C	N	C	Y	Q	I	...	M	K	S	G	G	E	A	L	F	G	A	G	N	A	S	N	G	N	S	D	E	P	F	...	N	P	F	N	D	I	F	S	A	L	Q	G	.	Q	D	F	N	G	A	A	S	N	Q	81																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB	id	281	KZH43	RS03550	WP	000882517.1	H	L	Y	T	N	L	N	G	K	K	Q	I	D	L	C	N	C	Y	K	I	...	I	K	T	D	P	N	N	S	L	F	K	G	M	T	D	L	N	N	R	..	D	F	...	D	P	F	G	D	F	F	N	D	L	N	N	F	R	P	S	..	N	T	P	P	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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NTDB	id	378	SMU	RS02690	WP	002263569.1	H	L	Y	A	N	V	N	G	K	K	Q	I	D	L	C	N	C	Y	Q	I	...	M	K	T	D	P	E	N	G	P	L	N	H	L	S	Q	..	Q	N	S	S	I	N	...	P	F	F	D	D	F	F	G	D	L	N	N	F	R	A	F	N	N	Q	D	L	P	N	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NTDB	id	379	STER	RS00545	WP	011680614.1	D	L	R	A	Q	S	P	A	L	E	A	M	L	Q	E	A	Q	E	I	A	S	V	T	G	A	V	E	V	G	S	E	H	V	L	M	A	F	L	L	H	K	D	L	M	V	C	R	L	E	V	A	G	F	Q	Y	K	D	S	D	K	P	R	I	I	D	L	R	R	S	L	E	R	N	A	G	L	S	K	Q	D	L	K	A	166																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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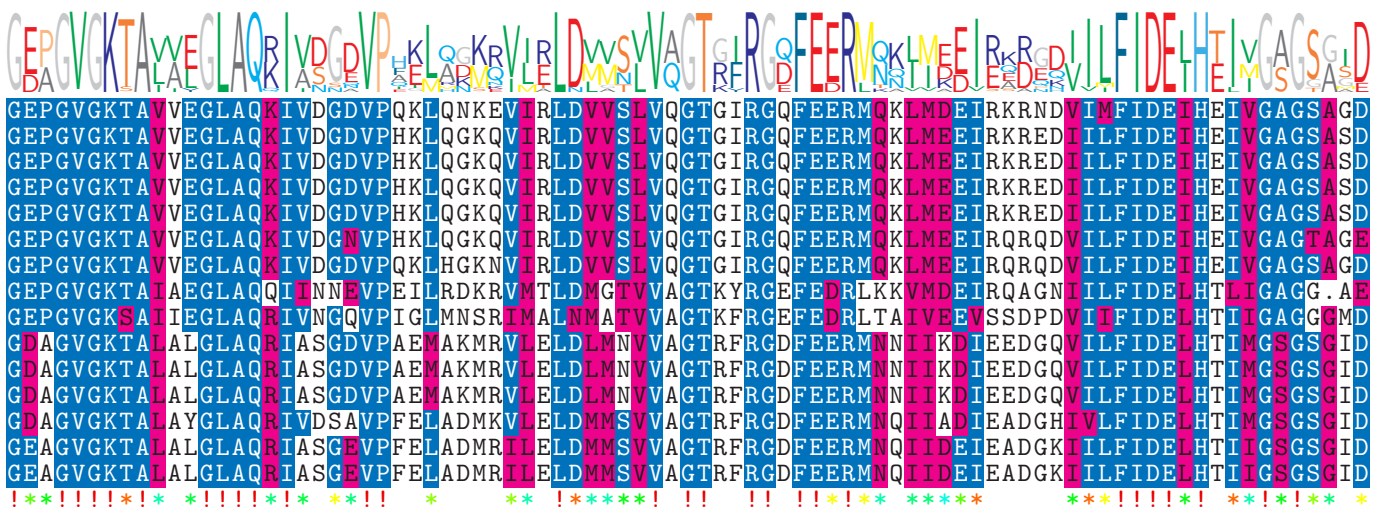
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NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



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logo

NTDB id 601 KW2 RS02615 WP 021036805.1
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NTDB id 241 SP RS04015 WP 000882523.1
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NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



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logo

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NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTP	IIESEKTI	IEHIIIEQKTNIPVGD	LKEKEQSQLIHLAEDLKSHVIGQDDAV	DKIAKAIRRNRVGLGTPNRPIGSFLFVGP	488												
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTP	IIESEKTI	IEHIIIEQKTNIPVGD	LKEKEQSQLIHLAEDLKSHVIGQDDAV	DKIAKAIRRNRVGLGTPNRPIGSFLFVGP	488												
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPS	IIESEKTI	IEHIIIEQKTNIPVGD	LKEKEQSQLIHLAEDLKSHVIGQDDAV	DKIAKAIRRNRVGLGTPNRPIGSFLFVGP	488												
NTDB id 93450 AMD29 RS03135 WP 000882548.1	KVDDQDTP	IITEKTI	IEHIIIEEKTNIPVGD	LKEKEQSQLIHLAEDLKQHVIGQDDAV	IKIAKAIRRNRVGLGSPNRPIGSFLFVGP	492												
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTP	VITEKNI	IEVIVEEQKTNIPVGELKEKEQSQLIHLAEDLKTRVIGQDAAV	DKIAKAIRRNRVGLGTPNRPIGSFLFVGP	489													
NTDB id 85 BSU 00860 NP 387967.1	EKQQQENSEVTVD	DIAMVVSSWTGVPVSKIAQTETDKLLN	MENILHSRVIGQDEAV	VAVAKAVRRARAGLKDPKRPIGSFIFLGP	546													
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQA	VAVASTLTGVPITQMTKSESDRLINLEKELH	KRVVGQEEA	ISAVSRAIRRARSGVADSRRPMGSFMFLGP	555													
NTDB id 290 KZH43 RS10025 WP 001109677.1	VPV.YKD	LVTESDIL	TTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKRVIGQDQAVSSISR	AIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 289 SPD RS10700 WP 001109677.1	VPV.YKD	LVTESDIL	TTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKRVIGQDQAVSSISR	AIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 287 SP RS11210 WP 001109712.1	VPV.YKD	LVTESDIL	TTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKRVIGQDQAVSSISR	AIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 377 SMU RS09275 WP 002262344.1	PLLKKRAEVKEED	ILATLSKLSG	IPVKKLTQADSKKYLNLERELH	KRVIGQDDAVSSISR	AIRRNQSGIRVKGKRPIGSFMFLGP	553												
NTDB id 297 STER RS00545 WP 011680614.1	AKFPPKALVDADQ	IMQTL	SRLSGIPVEKMTQTDSKRYLNLESELH	KRVIGQDEAVSAISR	AIRRNQSGIRTGKRPIGSFMFLGP	556												
NTDB id 329 STU RS10020 WP 011225298.1	AKFPPKALVDADQ	IMQTL	SRLSGIPVEKMTQTDSKRYLNLESELH	KRVIGQDEAVSAISR	AIRRNQSGIRTGKRPIGSFMFLGP	556												
consensus	*	*****	*	**	*	*****	*!	*	*	*****	*!	*!*****!	*	*****!	!*	*	*****!	*****!

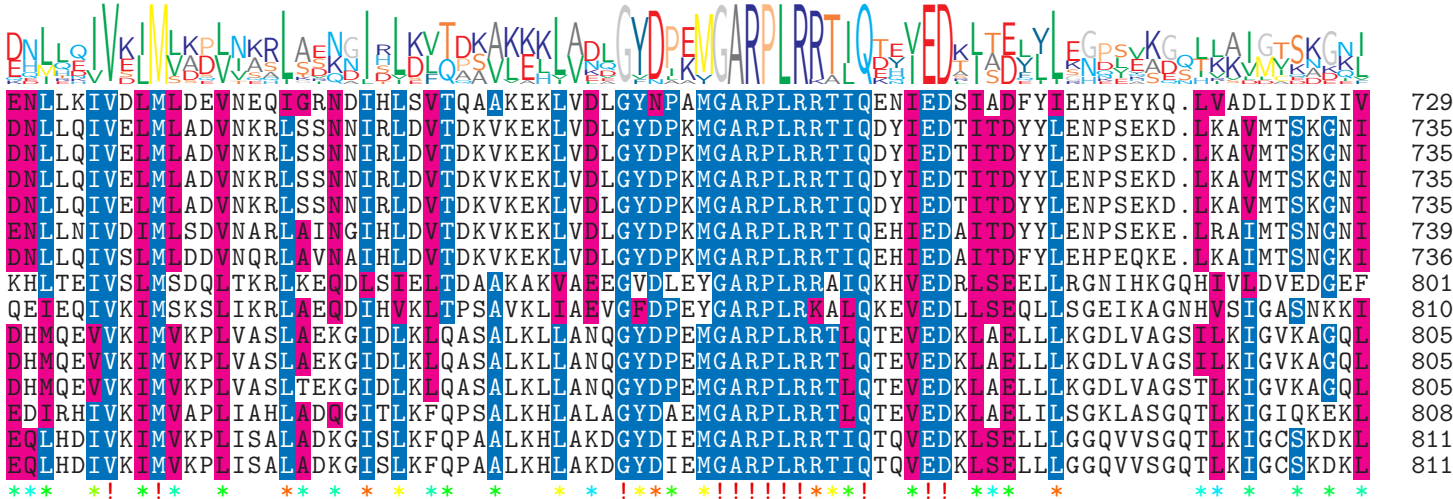
logo

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NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTEL	SKQLAIELFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	AGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTEL	SKQLAIELFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	AGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTEL	SKQLAIELFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	AGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 241 SP RS04015 WP 000882523.1	TGVGKTEL	SKQLAIELFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	AGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 93450 AMD29 RS03135 WP 000882548.1	TGVGKTEL	SKQLAIELFGSAD	SMIRFDMSEYMEKHAVA	KLVGAPPGYVGYEE	AGQLTEKVRNPYS	LILLDEIEKAHPDVMHMF	577
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTEL	SKQLAIELFGS	EDSMIRFDMSEYMEKHAVA	KLVGAPPGYVGYEE	AGQLTEKVRNPYS	LILLDEVEKAHPDVMHMF	574
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTEL	ARALAES	IFGDEESMIRIDMSEYMEKHSTS	RLVGSPPGYVGYDE	GGQLTEKVRKPY	SVLLDEIEKAHPDVFNILL	631
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTEL	AKALADS	VFGSEDNMIRVDMSEFMEKHSTS	RLIGAPPGYVGYDE	GGQLTERVRNKPYS	VLLDEVEKAHPDVFNILL	640
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYEE	GGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYEE	GGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYEE	GGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYEE	GGELTEKVRNKPYS	VLLFDEVEKAHPDIFNILL	638
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYDE	GGELTEKVRNKPYS	VLLFDEIEKAHPDIFNILL	641
NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTELAKA	LAEVLFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYDE	GGELTEKVRNKPYS	VLLFDEIEKAHPDIFNVLL	641
consensus	!!!!!!!!!!*	!!	*!* **	*****!!!!!!*	!!!!!!*	!!!!!!*	!

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NTDB id 601 KW2 RS02615 WP 021036805.1
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NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
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NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 93450 AMD29 RS03135 WP 000882548.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

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logo

NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVP	748
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NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKKA	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKKA	752
NTDB id 93450 AMD29 RS03135 WP 000882548.1	IIKSSKKTEESAKG	753
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNKVETVTKATSD	753
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NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA	810
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA	810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV	813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV	816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV	816
consensus		



-  non conserved
-  similar
-  ≥ 50% conserved