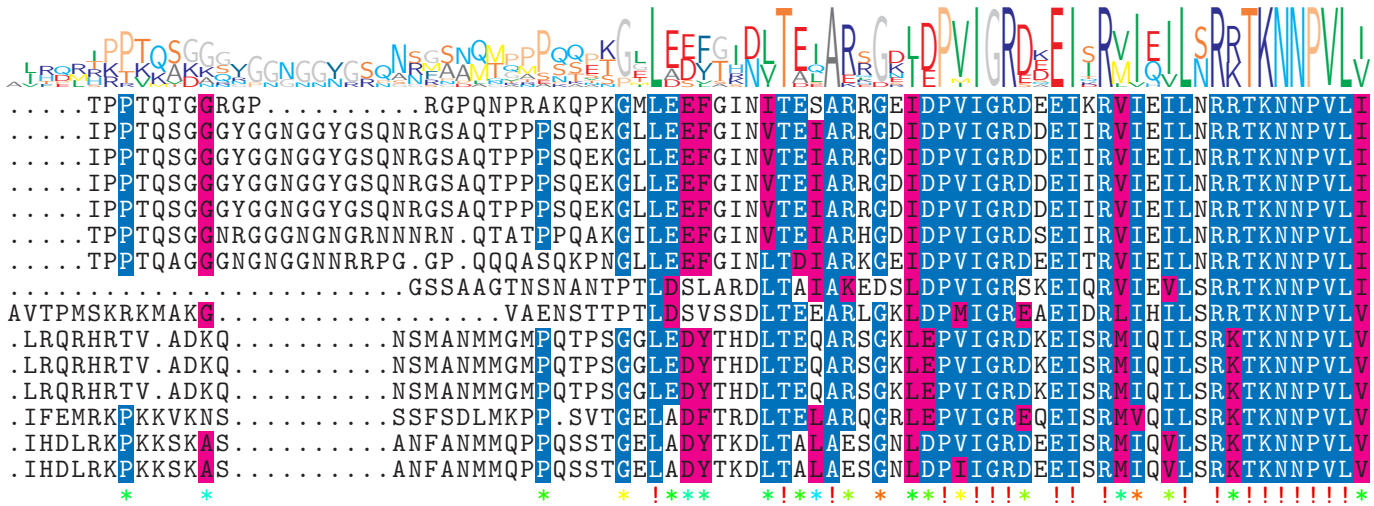


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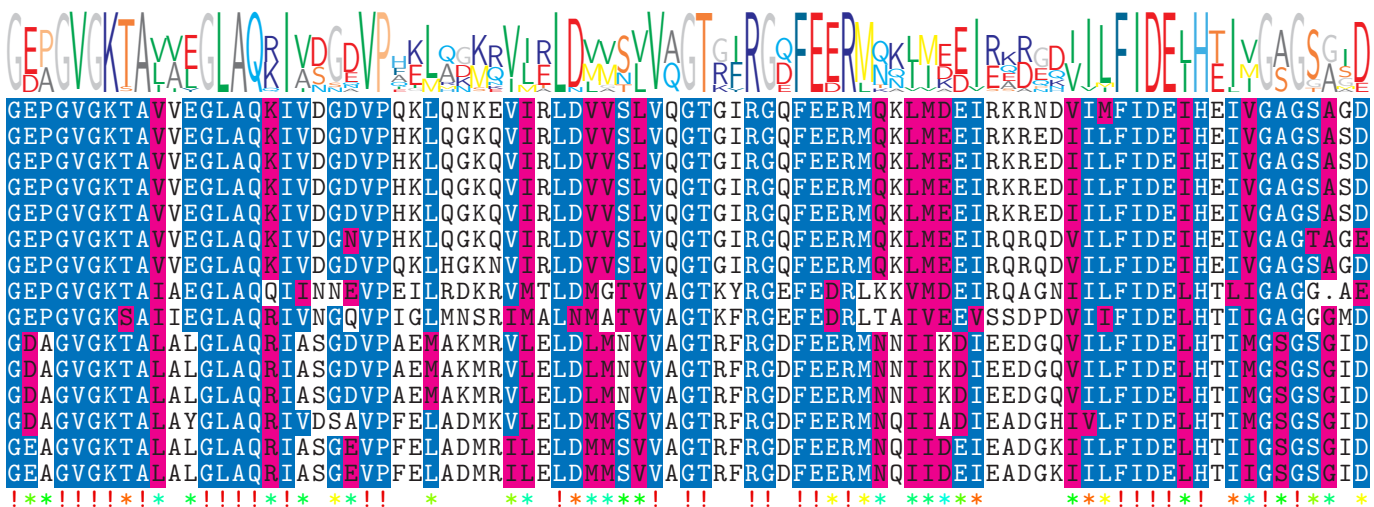
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 124415 GT95 RS02850 WP 017647074.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 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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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 124415 GT95 RS02850 WP 017647074.1
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NTDB id 610 V4T04 RS10165 WP 012897346.1
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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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[illegible]

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NTDB id 601 KW2 RS02615 WP 021036805.1	EVTDEDMPVITEKDIIEQIVEEQKTQIPVGD	LKEKEQQTQLINLADDLKAHVIGQDEAVDKI	SKAIRRSRVGLGKPNRPIGSFLFVGP	482										
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTP IIESEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRNVCLGTPNRPIGSFLFVGP	488										
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTP IIESEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRNVCLGTPNRPIGSFLFVGP	488										
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTP IIESEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRNVCLGTPNRPIGSFLFVGP	488										
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPS IIESEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRNVCLGTPNRPIGSFLFVGP	488										
NTDB id 124415 GT95 RS02850 WP 017647074.1	KVDDQDTP IITEKTIIEHIIIEEKTNIPVGD	LKEKEEQSQLINLADDLKQHVIGQDDAVIKI	AKAIRNRNVCLGSPNRPIGSFLFVGP	492										
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTP VITEKNIIEVIVEEQKTNIPVGE	LKEKEEQSQLIHLADDLKTRVIGQDAAVDKI	AKAIRNRNVCLGTPNRPIGSFLFVGP	489										
NTDB id 85 BSU 00860 NP 387967.1	EKQQQENSEVTVDIAMVSVSSWTGVPVSKI	IAQTETDKLLNMENILHSRVIGQDEAVVAV	AKAVRRARAGLKDPKRPIGSFIFLGP	546										
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQAIVAVASTLTGVPITQMT	KSESDRLINLEKELHKKRVVGQEEAISA	VSRAIRRARSGVADSRRPMGSFMFLGP	555										
NTDB id 290 KZH43 RS10025 WP 001109677.1	VVPV.YKDLVTESDILTTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKKRVIGQDQAVSSISR	AIIRNQSGIRSHKRPIGSFMFLGP	550									
NTDB id 289 SPD RS10700 WP 001109677.1	VVPV.YKDLVTESDILTTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKKRVIGQDQAVSSISR	AIIRNQSGIRSHKRPIGSFMFLGP	550									
NTDB id 287 SP RS11210 WP 001109712.1	VVPV.YKDLVTESDILTTL	LSRLSGIPVQKLTQTDAKKYLNLEAE	LHKKRVIGQDQAVSSISR	AIIRNQSGIRSHKRPIGSFMFLGP	550									
NTDB id 377 SMU RS09275 WP 002262344.1	.PLLKKRAEVKKEEDILATLSKL	SGIPVKKLTQADSKKYLNLEREL	LHKKRVIGQDDAVSSISR	AIIRNQSGIRVKGKRPIGSFMFLGP	553									
NTDB id 297 STER RS00545 WP 011680614.1	.AKFPPKPALVDADQIMQTL	SRLSGIPVEKMTQTDSKRYLNLESE	LHKKRVIGQDEAVSAISR	AIIRNQSGIRTGKRPIGSFMFLGP	556									
NTDB id 329 STU RS10020 WP 011225298.1	.AKFPPKPALVDADQIMQTL	SRLSGIPVEKMTQTDSKRYLNLESE	LHKKRVIGQDEAVSAISR	AIIRNQSGIRTGKRPIGSFMFLGP	556									
consensus	*	*****	*	**	*	*!* *	*	*****	*!	*!*****!	*	*!*****	!* *	!!!!!!!!*!!!

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NTDB id 601 KW2 RS02615 WP 021036805.1	TGVGKTELAKQLAKE	LFGSS	ES	MIRFDMSEYMEKHSVA	KLIGAPPGYVGYE	EAGQLTEKVRN	PYS	LILLDETEKAHPDV	MHMF	567
NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTEL	SKQLAIEL	LFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	EAGQLTEKVRHN	PYS	LILLDEVEKAHPDV	MHMF	573
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTEL	SKQLAIEL	LFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	EAGQLTEKVRHN	PYS	LILLDEVEKAHPDV	MHMF	573
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTEL	SKQLAIEL	LFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	EAGQLTEKVRHN	PYS	LILLDEVEKAHPDV	MHMF	573
NTDB id 241 SP RS04015 WP 000882523.1	TGVGKTEL	SKQLAIEL	LFGSAD	SMIRFDMSEYMEKHSVA	KLVGAPPGYVGYDE	EAGQLTEKVRHN	PYS	LILLDEVEKAHPDV	MHMF	573
NTDB id 124415 GT95 RS02850 WP 017647074.1	TGVGKTEL	SKQLAIEL	LFGSAD	SMIRFDMSEYMEKHAVA	KLVGAPPGYVGYE	EAGQLTEKVRN	PYS	LILLDETEKAHPDV	MHMF	577
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTEL	SKQLAIEL	LFGSED	SMIRFDMSEYMEKHAVA	KLVGAPPGYVGYE	EAGQLTEKVRN	PYS	LILLDEVEKAHPDV	MHMF	574
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTEL	ARALAES	IFGDE	ESMIRIDMSEYMEKHSTS	RLVGSPPGYVGYDE	GQLTEKVRNK	PYS	VLLDETEKAHPDV	FNILL	631
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTEL	AKALADS	VFGSE	DNMIRVDMSEFMEKHSTS	RLIGAPPGYVGYDE	GQLTEKVRNK	PYS	VLLDEVEKAHPDV	FNIML	640
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYE	GQLTEKVRNK	PYS	VLLFDEVEKAHPD	IFNVLL	635
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYE	GQLTEKVRNK	PYS	VLLFDEVEKAHPD	IFNVLL	635
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYE	GQLTEKVRNK	PYS	VLLFDEVEKAHPD	IFNVLL	635
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYE	GQLTEKVRNK	PYS	VLLFDEVEKAHPD	IFNVLL	638
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYDE	GQLTEKVRNK	PYS	VLLFDETEKAHPD	IFNVLL	641
NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTEL	AKALAEV	LFDD	ESALIRFDMSEYMEKFAAS	RLNGAPPGYVGYDE	GQLTEKVRNK	PYS	VLLFDETEKAHPD	IFNVLL	641
consensus	!!!!!!!!!!*	*!		*!* **	*!* *!!!!*!!!!*	*	*!* *!!!!*!!!!*!!!!*!!!!	!!!!*! *!!!!*!!!!*!!!!*!!!!*	* !	

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NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVPAE	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKKAEEVKSSEKEK..	752
NTDB id 124415 GT95 RS02850 WP 017647074.1	IIKSSKKTEESAKG.....	753
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNKVETVTKATSD..	753
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
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		



- X non conserved
- X similar
- X ≥ 50% conserved