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NTDB id 40 MW RS06080 WP 000593192.1	.....MIKIFL.LKLY.WAHFSTKQIHQFLMAYP.....NVIKEEGRKKDSYLCEWVNREENVHLLRKY	58
NTDB id 25 SA RS06185 WP 000593194.1	.....MIKIFL.LKLY.WAHFSTKQIHQFLMAYP.....NVIKEEGRKKDSYLCEWVNREENVHLLRKY	58
NTDB id 114 BSU 16110 NP 389493.1	.....MDQAAVCLTICRINQLS...PSLILKWKWKADPSMSLT.SPVLQTV.TRDQIKAAALKNE.IE..QFY...	60
NTDB id 1314 DR RS00625 WP 010886768.1	MTLPSPAAAHAELALLTLRFTPGLGPRRTENLRHFHFGSAEAALA.APLTELRRVEGLDSRSVAAIGGAK.....AAE.	72
NTDB id 1037 TT RS09535 WP 011174226.1	.....MDPLALALLPGIGPKRLLLEVLKAEDPLGF.L.....RERFPEAWRHLPEA.EAQAE.	49
NTDB id 1361 HI 0985 AAC22646.1	.....MNDITYTLLRLMQVPKLGGVGLDKILSNITLNE..LLNYDDVAFRQM.GWGAIQIRRFKPEAK.....	61
NTDB id 1388 A4U84 RS04945 WP 062924099.1	.....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGE..FCQYDKTALKQM.GWNERQIQRFNPEHK.....	60
NTDB id 599 KW2 RS05940 WP 021037268.1	.....MITNFDLFRWKKAG...MTNLGVNKLKFFRKYDRKISLRQMGAQV.VKSIPIFNIEQYKNQDVK..KLRAD.	66
NTDB id 407 SMU RS04605 WP 002262865.1	.....MDNFQIFKLLKAG...LTNLNLTNIIIDYEERTQKSLSLRDMAVVSKN.KKPLIFMEHYKNLDSK..ALRKE.	65
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....MKITNYEIKLKKSG...LTNQQILKVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLEKE.	67
NTDB id 267 KZH43 RS05590 WP 000705306.1	.....MKITNYEIKLKKSG...LTNQQILKVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLSKE.	67
NTDB id 226 SPD RS05990 WP 000705306.1	.....MKITNYEIKLKKSG...LTNQQILKVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLSKE.	67
NTDB id 192 SPR RS05715 WP 000705306.1	.....MKITNYEIKLKKSG...LTNQQILKVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLSKE.	67
NTDB id 157 SP RS06205 WP 000705306.1	.....MKITNYEIKLKKSG...LTNQQILKVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLSKE.	67
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....MKITNYEIKLKKSG...LTNQQVLAVLEYGENVDQELLLGDIADISGC.RNPAVFMERYFQIDDA..HLEKE.	67
NTDB id 1043 HON27 RS16615 WP 168727007.1	MLTQLSSHQYHTLKVWYLVQ...HSLVSFKKIIDYFGNCEKATQPDGLAKWSSL.GLHANHLKRVNEF..Q..TPQGQ.	70
NTDB id 1073 ABD1 RS00865 WP 015451369.1	MLTQLSSHQYHTLKVWYLVQ...HSLVSFKKIIDYFGNCEKATQPDGLAKWSSL.GLHANHLKRVNEF..Q..TTQGQ.	70
NTDB id 1021 ACIAD RS00975 WP 004930462.1	MITILSSHQYHTLKVWYLVQ...HSLSGFKLIHYFGDCETALQPQRSLSDWQKL.GLHANHLKRLEEV..H..TLQGQ.	70
NTDB id 1094 KZH42 RS01320 WP 002224767.1	.....MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNAL.SAPAEQVAAL.IRHKQALEAWRNAEKR..ALARQ.	68
NTDB id 1089 NMB RS00600 WP 002224767.1	.....MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNAL.SAPAEQVAAL.IRHKQALEAWRNAEKR..ALARQ.	68
NTDB id 1122 OK783 RS09595 WP 003705341.1	.....MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNAL.SAPAEQVAPA.VRHKHALEAWRNAEKR..ALARQ.	68
NTDB id 1120 NGFG RS10355 WP 020997408.1	.....MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNAL.SAPAEQVAPA.VRHKHALEAWRNAEKR..ALARQ.	68
NTDB id 1152 A1552VC RS00200 WP 000654772.1	.....MKDQDLAAWLALCFTPKLGSKTIHLLATRLPAQL.Q.SFTPKQWLAC.GLKPEQLVFLTTQAAK.....	62
NTDB id 1399 DSB67 RS15600 WP 010645755.1	.....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNI.V.QYSTEQLQLL.GLTAKQLQAW.SQVDK.....	64
NTDB id 176120 A4F89 RS11805 WP 071539895.1	.....MNNLQPLLANLRMKRIGPRTLVLKQLK.RWPDNL.L.MF...QLSSV.DLEEAGLPSWLAQTIK..NFDPD.	0
NTDB id 1250 GC085 RS13065 WP 027219989.1	.....MNNLQPLLANLRMKRIGPRTLVLKQLK.RWPDNL.L.MF...QLSSV.DLEEAGLPSWLAQTIK..NFDPD.	61
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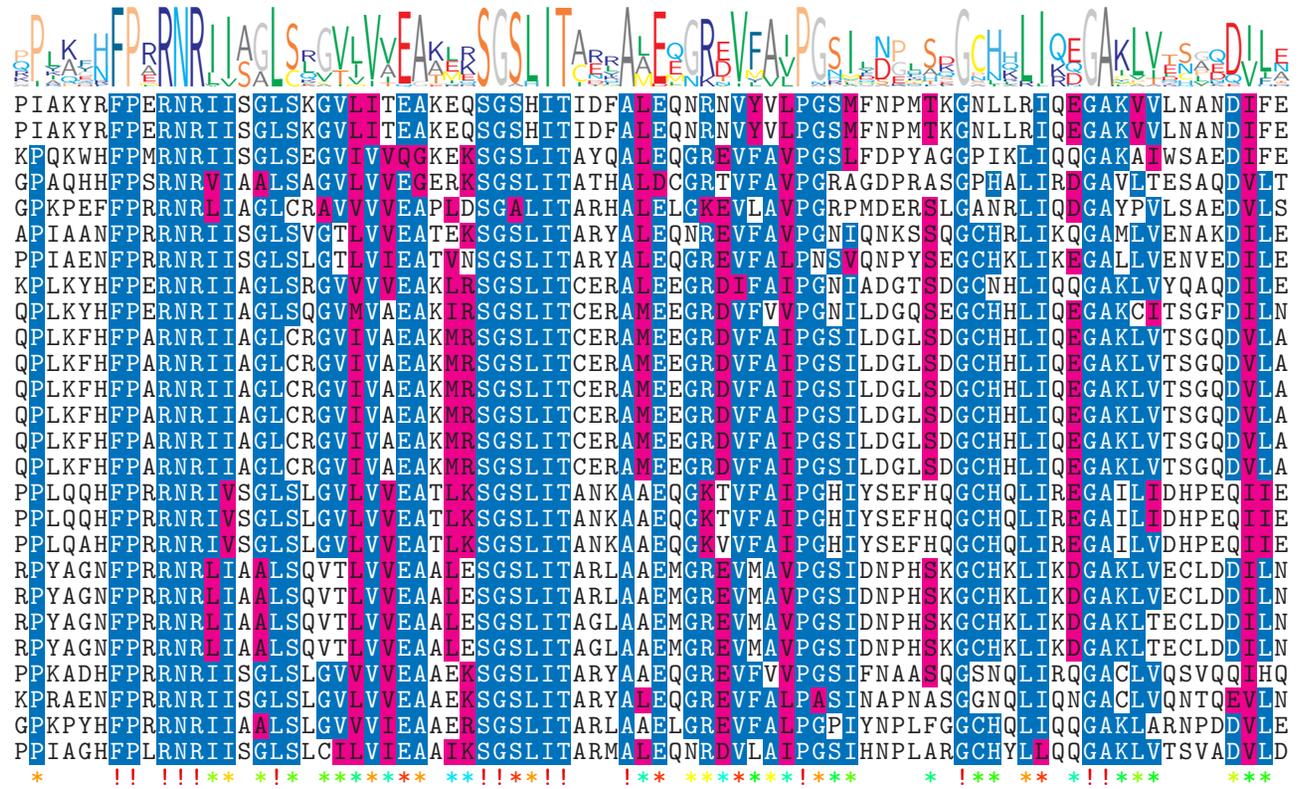


NTDB id 40 MW RS06080 WP 000593192.1	AFIKLDHNDIIKELQKLVSY	IT	YMDSEYPVLLKE	IYQFPL	LLFYKGNIKL	I	.....	NNMHHLAVV	GARDST	SYTQQSL	132
NTDB id 25 SA RS06185 WP 000593194.1	AFIKLDHNDIIKELQKLVSY	IT	YMDSEYPVLLKE	IYQFPL	LLFYKGNIKL	I	.....	NNMHHLAVV	GARDST	SYTQQSL	132
NTDB id 114 BSU 16110 NP 389493.1	....PKLPRVLAAYREQGINT	IP	ISSKQYFWLKS	IYDPPAVL	FAKGDMTLL	.....	SKGRKIGIVG	TRNPTAYG	KQVV		130
NTDB id 1314 DR RS00625 WP 010886768.1	....EAR.AELNKA AERGVTLL	LR	GLPGYPAAL	EALGDPPAVL	WVRGAGGAELL	AGLGTVP	HSVGI	VGTRAA	SPHALALT		147
NTDB id 1037 TT RS09535 WP 011174226.1	.....RERRRAEALGVRL	LG	WEEG	FPEGLKAL	PQPPTHLYL	KGELPP	.....	EREAV	ALVGTTR	ASPWAL	113
NTDB id 1361 HI 0985 AAC22646.1	....FIEPALVWSQKEGN	HL	VNYFSPFY	PFLKQTAS	FPLL	FVKGNLTAL	.....	SQRQMAM	VGSRYCT	TYGEYWA	129
NTDB id 1388 A4U84 RS04945 WP 062924099.1	....WIDQALQWAEQDQQ	QIL	TLFDED	YPFLLKQ	ISTAPPV	L	FVRGNVESL	.....	SLPQIA	IVGSRDYS	128
NTDB id 599 KW2 RS05940 WP 021037268.1	....YK.....KFSSFS	SIL	DDLYPERL	REIYNPP	VLLFYQGN	IDLL	.....	KNPKLAF	VGSRLA	QSGIKSV	124
NTDB id 407 SMU RS04605 WP 002262865.1	....FN.....RFP	LS	ILDK	EYPLEL	KNIYNPP	VLLFYQGD	LDLL	.....	ARPKLAV	VGSRNAS	123
NTDB id 525 SMSK321 RS06295 WP 000705298.1	....FK.....KIP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 267 KZH43 RS05590 WP 000705306.1	....FQ.....KFP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 226 SPD RS05990 WP 000705306.1	....FQ.....KFP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 192 SPR RS05715 WP 000705306.1	....FQ.....KFP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 157 SP RS06205 WP 000705306.1	....FQ.....KFP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 497 SM12261 RS05565 WP 000705318.1	....FQ.....KFP	SFS	SIL	D	CYPWDL	SEIYDAP	VLLFYKGN	LDLL	.....	KFPKVAV	125
NTDB id 1043 HON27 RS16615 WP 168727007.1	....AQFEQLVQVQRQHTDFI	L	TPD	DSGYPT	QLLPYTD	HPIIF	FGKQA	QAAL	.....	LQPQIA	139
NTDB id 1073 ABD1 RS00865 WP 015451369.1	....AQFEQLVQVQRQHTDFI	L	TPD	DSGYPT	QLLPYTD	HPIIF	FGKQA	QAAL	.....	LQPQIA	139
NTDB id 1021 ACIAD RS00975 WP 004930462.1	....QQFEKMLAQLTHTDFI	V	TPD	PA	YPSQLIPY	QDRPPI	IFGQ	STQSL	.....	IQPQIA	139
NTDB id 1094 KZH42 RS01320 WP 002224767.1	....AAEAALWEMRDGCR	L	MLLQ	DED	FPEMLT	QGLTAPP	VFLRGN	VQLL	.....	HKPSAA	136
NTDB id 1089 NMB RS00600 WP 002224767.1	....AAEAALWEMRDGCR	L	MLLQ	DED	FPEMLT	QGLTAPP	VFLRGN	VQLL	.....	HKPSAA	136
NTDB id 1122 OK783 RS09595 WP 003705341.1	....AAEAALWEMRDGCR	L	MLLQ	DED	FPEMLT	QGLTAPP	VFLRGN	VQLL	.....	HKPSAA	136
NTDB id 1120 NGFG RS10355 WP 020997408.1	....AAEAALWEMRDGCR	L	MLLQ	DED	FPEMLT	QGLTAPP	VFLRGN	VQLL	.....	HKPSAA	136
NTDB id 1152 A1552VC RS00200 WP 000654772.1	....QAEQCLQWRS AANNRYI	V	TPHC	PLYPR	LKEI	NSSPP	VLFIEGI	WEAV	.....	HDPVA	131
NTDB id 1399 DSB67 RS15600 WP 010645755.1	....EVDACLWVAASSHHHI	L	TLA	DALY	PPLKQ	TVAPP	LLFV	KGEASCL	.....	PQPQIA	133
NTDB id 176120 A4F89 RS11805 WP 071539895.1	.....MHIPITPKTIQE	I	QRGSK	NYPLR	LNDLP	PPSCLY	IYGN	THLL	.....	SAPMVA	64
NTDB id 1250 GC085 RS13065 WP 027219989.1	....FIKTDLNLWSSSENHHI	L	TW	SPY	PALL	KEI	ADP	P	FLYAKGEL	SAL	130
consensus		**	*	*!	!	*	!	***	*!*	*	



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 NTDB id 1250 GC085 RS13065 WP 027219989.1  
 consensus

E F F L L Q N T F A S S Y S I N K I P E S S L L A V Q T A I N C S L P S K M P S E F E F F E F Y L L P S Y G S P Y P D L A G T N P X A S  
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 Y L G M S A R P K P L P G L S . . . . . P E E E A . L Y A L L Q . . E K K E A L P E A L A M A L G I P P E R 309  
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 E F E F . . . . . 282  
 E F E F . . . . . 282  
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 D L A L P T Q W Q S Q Q Q N Q T . . . . . E E A . . . . . N T N T P E I . . . . . R E H L I D L Y Q S L . . . . . D W V G Q N I D Q L V V H H N I P V S E 350  
 D L A L P T H W H S Q S T A S G E A N A D D S G . . . . . K T D D A D L . . . . . P D D L L P L Y Q L L . . . . . D W Q G Q D L D Q L A Q H Y Q G S T A E 355  
 E C P G L L Q N T G A S S Y S I N K G I P E K R I T A V Q T A S D Q L S L P E G K M P S E K T E N R P V G G S I L D R M G F D P V H P D V L A G Q L A M P A A D 370  
 E C P G L L Q N T G A S S Y S I N K G I P E K R I T A V Q T A S D Q L S L P E G K M P S E K T E N R P V G G S I L D R M G F D P V H P D V L A G Q L A M P A A D 370  
 E C P G L L Q N T G A S S Y S I N K D T P D T G R R A V Q T A Y . . . . . A P P P A A K M P S E G A A G G T A V G G I L D K M G F D P V H P D V L A G Q L A M P A A D 368  
 E C P G L L Q N T G A S S Y S I N K D T P D T G R R T V Q T A Y . . . . . A P P P A A K M P S E G A A G G T A V G G I L D K M G F D P I H P D V L A G Q L A M P A A D 368  
 E L K N A L T W S L S E Q V P Y Q A T L . . . . . F S A V Q S D . . . . . E E L P F P E L L A N V G I E A T P I D I L A S R T Q I P V Q D 344  
 E I Q S L L D W S I N Q S L . . . . . D L . . . . . F S A P I D E . . . . . E E L P F P Q L L A N V G N E A T P V D I L A S R T N I P V Q E 342  
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NTDB id 114 BSU 16110 NP 389493.1	.....	297
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NTDB id 1037 TT RS09535 WP 011174226.1	VLSLLTLLELKLARALPGGRYGP... ..	334
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NTDB id 1388 A4U84 RS04945 WP 062924099.1	ALIELLNLELLGVVKQVRGGYVIT....	375
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NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....	282
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NTDB id 157 SP RS06205 WP 000705306.1	.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....	282
NTDB id 1043 HON27 RS16615 WP 168727007.1	LTSSLMELELLGLCMQQSGLYLRCRS..	376
NTDB id 1073 ABD1 RS00865 WP 015451369.1	LTSSLMELELLGLCMQQSGLYLRCRS..	376
NTDB id 1021 ACIAD RS00975 WP 004930462.1	LTAQLMELELLGVCIQQSGRYLRCRSPY	383
NTDB id 1094 KZH42 RS01320 WP 002224767.1	LYAALLELELDGSVAAMPGGRYQRIRT.	397
NTDB id 1089 NMB RS00600 WP 002224767.1	LYAALLELELDGSVAAMPGGRYQRIRT.	397
NTDB id 1122 OK783 RS09595 WP 003705341.1	LYAALLELELDGSVAAMPGGRYQRIRT.	395
NTDB id 1120 NGFG RS10355 WP 020997408.1	LYAALLELELDGSVAAMPGGRYQRIRT.	395
NTDB id 1152 A1552VC RS00200 WP 000654772.1	IMMQLLELELLGHVVAVPPGGYIRKGRG.	371
NTDB id 1399 DSB67 RS15600 WP 010645755.1	VMMQLLELELSGHVVAVSPPGGYIRKGRG.	369
NTDB id 176120 A4F89 RS11805 WP 071539895.1	.....	229
NTDB id 1250 GC085 RS13065 WP 027219989.1	VTSGLAELELKGAVIAVPPGGYIRCEYER	361
consensus		

X non conserved  
X similar  
X ≥ 50% conserved