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NTDB id 1361 HI 0985 AAC22646.1	MNDITITLRLMQVPKLG...VGIDKILSNITLN...ELLNYDDVAFRQMGWGAIQIRRF.KP	58
NTDB id 114 BSU 16110 NP 389493.1	MDQAAVCLTICRINQLSPSLLKWKWKADPSMS.....LTSPVLQTVTRDQIKAAALKNEIEQFYPKL	63
NTDB id 626 LCA RS04960 WP 011374694.1	MLTKNQLLKVHLAAGFGTISELR...IAAWLSTSHNWL.....SALETAQI...ARLPERYWPTF	56
NTDB id 1250 GC085 RS13065 WP 027219989.1	MNNLQPL.LAL.NRMKR...IGPRTVLKLQKRWPDNLNMFQLSSVDLEEAGLPSWLAQTIK.NF	58
NTDB id 256711 CV702 RS06055 WP 012897825.1	MITNFDLYRWKK.AGMTN...LGVNKLLKFFHRYDKKISLRQMGQ...VAQLKSIPNFIEQYK.NQ	58
NTDB id 599 KW2 RS05940 WP 021037268.1	MITNFDLFRWKK.AGMTN...LGVNKLLKFFRKYDRKISLRQMGQ...VAQVKSIPNFIEQYK.NQ	58
NTDB id 407 SMU RS04605 WP 002262865.1	MDNFQFLFKLKK.AGLTN...LNILNITDYEERTQKSLSLRDMAV...VSKNKKPLIFMEHYK.NL	57
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNIEIYKLKK.SGLTN...QQILKVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNIEIYKLKK.SGLTN...QQILKVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNIEIYKLKK.SGLTN...QQILKVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNIEIYKLKK.SGLTN...QQILKVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
NTDB id 157 SP RS06205 WP 000705306.1	MKITNIEIYKLKK.SGLTN...QQILKVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNIEIYKLKK.SGLTN...QQVLAVLEYGENVDQELLGLDIAE...ISGCRNPAVFMERYF.QI	59
consensus	* ***** *	

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NTDB id 1361 HI 0985 AAC22646.1	EAKFIETPALV...WSQKEGNHLVNYFSPFPFLKQTASFPPLLFVKGNLTALS.QRQMAMVGSRYCTITYGEYWAKHFAT	134
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NTDB id 626 LCA RS04960 WP 011374694.1	QASFQSTTLQRQCIDHEVRTTYLTILDKDYPRRLLETYLPVLLFYRGDLRLLLK.QPCLAVVGARQATHYSKQSLLEQLLQ	135
NTDB id 1250 GC085 RS13065 WP 027219989.1	DPDFIKTDLN..WLSSSENHHILTWDSPPYPALLKEIADPPFIYAKGELSALT.QPSLAVIGSRNASVTGNENARAFSR	135
NTDB id 256711 CV702 RS06055 WP 012897825.1	DVSKLREEYK..IY.....PSFSLDEIYPERLKEIYNPPVLLFYQGDILRLK.TPKLAFVGSRQASSQGIKAVQKIVT	129
NTDB id 599 KW2 RS05940 WP 021037268.1	DVKKLRADYK..KF.....SSFSILDLYPERLREIYNPPVLLIFYQGNIDLLK.NPKLAFVGSRLAGQSGIKSVQKIVT	129
NTDB id 407 SMU RS04605 WP 002262865.1	DSKALRKEFN..RF.....PSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLA.RPKLAVVGSRNASQMGVAAVKKIIV	128
NTDB id 525 SMSK321 RS06295 WP 000705298.1	DDAHLKEFEK..KI.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRSCKQGAKSVEKIIQ	130
NTDB id 267 KZH43 RS05590 WP 000705306.1	DDAHLKEFEK..KF.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQ	130
NTDB id 226 SPD RS05990 WP 000705306.1	DDAHLKEFEK..KF.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQ	130
NTDB id 192 SPR RS05715 WP 000705306.1	DDAHLKEFEK..KF.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQ	130
NTDB id 157 SP RS06205 WP 000705306.1	DDAHLKEFEK..KF.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQ	130
NTDB id 497 SM12261 RS05565 WP 000705318.1	DDAHLKEFEK..KF.....PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQ	130
consensus	* * *** ** ***** !!* ! ***** !*****!*****!*****!*****!*****!*****!*****	

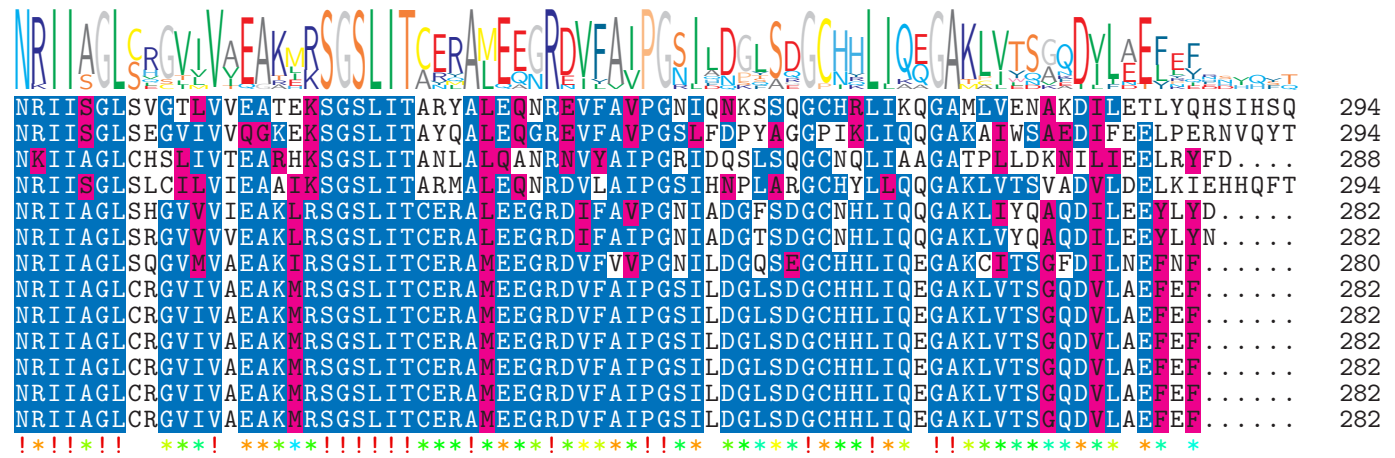
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NTDB id 1361 HI 0985 AAC22646.1	ELSLAGFTITISGLALGIDGCHQAVVNIQQTIAVLGSGLEQIYPSKHQRLSAQIENNGALVSEFLPNQAPIAANFPRR	214
NTDB id 114 BSU 16110 NP 389493.1	ETCRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAAGGFQHIYPRENQLADH.MAKHHILLSEHPPETKPKWHFPMR	214
NTDB id 626 LCA RS04960 WP 011374694.1	GLT..ATTITISGLAQCADAMAHEVALQRGLAPIGVIGTGINCSPYPQNEHLQQV.VAEKGLLLSEYALGTPARRYQFPAR	212
NTDB id 1250 GC085 RS13065 WP 027219989.1	EISRHGVSIVSGLALGIDAHHLGCGLEGGGKTIAVLGTGIDCIYPRRHLKLAEQ.ITENGLLLSEFPLKSPPIAGHFPLR	214
NTDB id 256711 CV702 RS06055 WP 012897825.1	ELN.QNFTIVSGLAKGIDTASHLSAIKNKIPTIAVIGTGLDIFYPLENRKIQEY.LAKNQLILSEYSVGEKPLRYHFPER	207
NTDB id 599 KW2 RS05940 WP 021037268.1	ELN.QSFTIVSGLAKGIDTASHLSAIKTKPTIAVIGTGLDIFYPLENRKIQEY.LAKYQLVLSEYSLGEKPLKYHFPER	207
NTDB id 407 SMU RS04605 WP 002262865.1	DLS.KQFVITISGLARGIDTAHHLASLKSGGATIAVIGTGLDVHYPKANRLQDY.IAKNHLLVSEYEAQSPLKYHFPER	206
NTDB id 525 SMSK321 RS06295 WP 000705298.1	GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.ISNDHLVLSEYGPGEQPLKFHFPPAR	208
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NTDB id 157 SP RS06205 WP 000705306.1	GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPPAR	208
NTDB id 497 SM12261 RS05565 WP 000705318.1	GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDY.IGNDHLVLSEYGPGEQPLKFHFPPAR	208
consensus	* * *!!!!!!*!!!!***** *****!*****!*****!*****!*****!*****!*****!*****	

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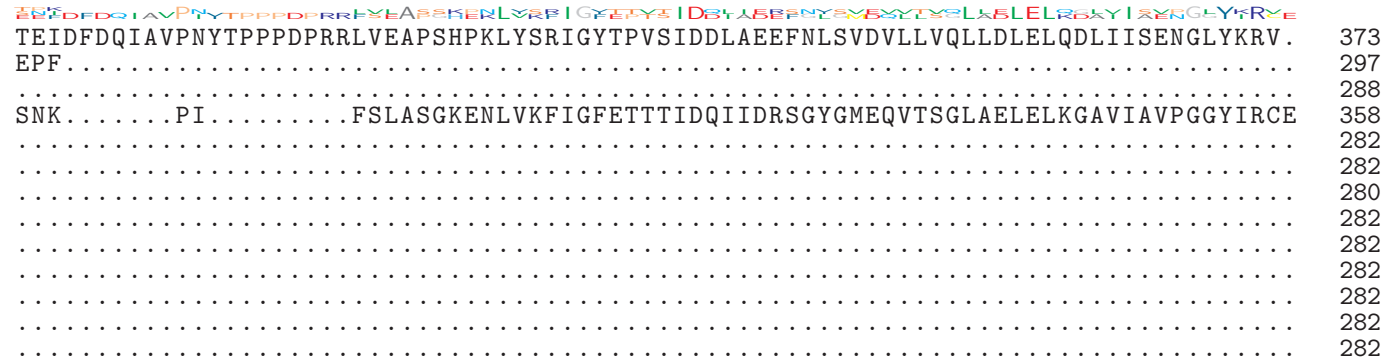
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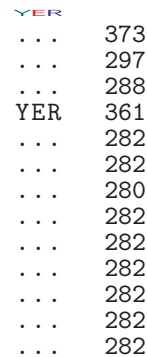
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NTDB id 192 SPR RS05715 WP 000705306.1
NTDB id 157 SP RS06205 WP 000705306.1
NTDB id 197 SM12261 RS05565 WP 000705318.1
consensus

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 non conserved
 similar
 $\geq 50\%$ conserved