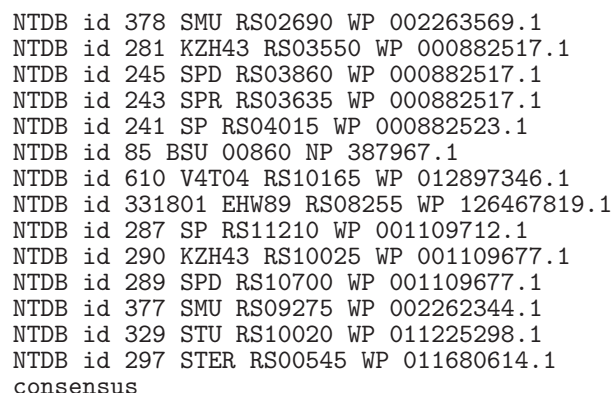
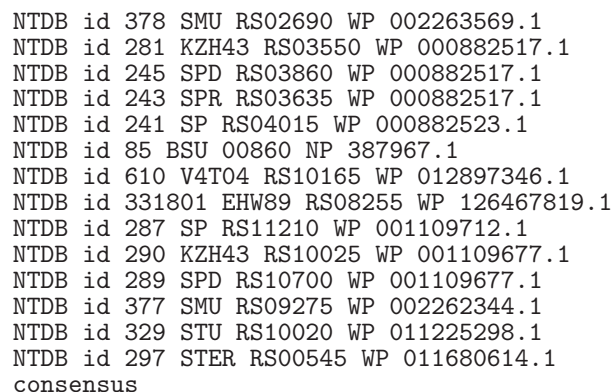


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NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 331801 EHW89 RS08255 WP 126467819.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
consensus

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NTDB id 281	KZH43 RS03550	WP 000882517.1
NTDB id 245	SPD RS03860	WP 000882517.1
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NTDB id 331801	EHW89 RS08255	WP 126467819.1
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NTDB id 290	KZH43 RS10025	WP 001109677.1
NTDB id 289	SPD RS10700	WP 001109677.1
NTDB id 377	SMU RS09275	WP 002262344.1
NTDB id 329	STU RS10020	WP 011225298.1
NTDB id 297	STER RS00545	WP 011680614.1
consensus		

KRIGDHEARVLEFKKYPFENRDEKVFHSLSKDNLQIVKIMVKPLNKR	AEKGKQVTD	SAALKKLALG		
SREG.....RTNS	VLGELGNFFSPEFMNRF	DGIIEFQALSKDNLQIVSLMLDDVNQRLAV	NATHLDVTDKVKEKLVDLG	691
AREG.....RTNS	VLGELGNFFSPEFMNRF	DGIIEFKALSKDNLQIVELMLADV	NKRLSSNNIRLDVTDKVKEKLVDLG	690
AREG.....RTNS	VLGELGNFFSPEFMNRF	DGIIEFKALSKDNLQIVELMLADV	NKRLSSNNIRLDVTDKVKEKLVDLG	690
AREG.....RTNS	VLGELGNFFSPEFMNRF	DGIIEFKALSKDNLQIVELMLADV	NKRLSSNNIRLDVTDKVKEKLVDLG	690
AREG.....RTNS	VLGELGNFFSPEFMNRF	DGIIEFKALSKDNLQIVELMLADV	NKRLSSNNIRLDVTDKVKEKLVDLG	690
QDETQNHKDMKD	KVMGELKRAFR	PEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKR	KEQDSTELTDAAKAKVAEEG	755
KNITADYSAMKSR	ILEELKRHYR	PEFLNRIDENIVFHSLESQETIEQIVKIMSKSLTKR	LAEQDTHVKLTPSAVKLIAEVG	764
RDARFDHESMEKRM	MEELKKS	YRPEFINRIDEKVVFHSLTSEDMQEVVKIMVKPLIVSLAEKG	IELKFQPSALKLLAKEG	758
KDIRFDQENMEKRM	FEELKKAYR	PEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASL	TEKGIDLKLQASALKLLANQG	759
KDIRFDQENMEKRM	FEELKKAYR	PEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASL	AEKGIDLKLQASALKLLANQG	759
KDIRFDQENMEKRM	FEELKKAYR	PEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASL	AEKGIDLKLQASALKLLANQG	759
KSFSQDYKAMESR	ILEELKKVYR	PEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHL	ADQGITLKFQPSALKHLALAG	762
QTISHNHQAMQAR	IMEELKKS	YRPEFINRIDEKVVFHSL	EEELQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDG	765
QTISHNHQAMQAR	IMEELKKS	YRPEFINRIDEKVVFHSL	EEELQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDG	765
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YDPKMGARPLRRTIQEH	IEDA	ITDFY	LEHPEQ	KELK	.A	IMTSNGK	IVIKAS	NKVETV	TKATSD	753
YDPKMGARPLRRTIQDY	IEDT	ITDY	LENPSEK	DLK	.A	MTSKGNI	QIKSAK	KA	AEVKSSEKEK	752
YDPKMGARPLRRTIQDY	IEDT	ITDY	LENPSEK	DLK	.A	MTSKGNI	QIKSAK	KA	AEVKSSEKEK	752
YDPKMGARPLRRTIQDY	IEDT	ITDY	LENPSEK	DLK	.A	MTSKGNI	QIKSAK	KA	AEVKSSEKEK	752
YDPKMGARPLRRTIQDY	IEDT	ITDY	LENPSEK	DLK	.A	MTSKGNI	QIKSAK	KA	AEVKSSEKEK	752
VDLEYGARPLRR	AIQKH	VEDRL	SEELL	RGN	IHKQ	QHIV	LDVED	GEFV	VKTAKTN.....	810
FDPEYGARPLR	KALQ	KEVEDL	SEQL	LSGE	IKAGNHV	SIGAS	NKKIK	IAQIV		816
YDPEMGARPLRR	ILQTR	VEDHL	SELL	LAGE	LKTG	QSLK	VGVK	AGQL	KFEVL.....	809
YDPEMGARPLRRT	LQTE	VEDKLA	ELLK	GDLV	AGSTL	KIGV	KAGQL	KFDIA		810
YDPEMGARPLRRT	LQTE	VEDKLA	ELLK	GDLV	AGSTL	KIGV	KAGQL	KFDIA		810
YDPEMGARPLRRT	LQTE	VEDKLA	ELLK	GDLV	AGSTL	KIGV	KAGQL	KFDIA		810
YDAEMGARPLRRT	LQTE	VEDKLA	EL	LSGK	LASG	QTLK	IGIQ	KEKL	KFDIV.....	813
YDIEMGARPLRRT	IQTQ	VEDKLS	ELLG	GGQV	VSGQT	LKIG	C	SKDKL	TFTVV.....	816
YDIEMGARPLRRT	IQTQ	VEDKLS	ELLG	GGQV	VSGQT	LKIG	C	SKDKL	TFTVV.....	816
*!*****!!!!!!**										*** **

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