4.2

	560	570	580	590	600	610	
242	TAREAKVLRMRFG.	IDMNTDHTTE	EVGKQFDVT <mark>RE</mark> R	I <mark>RQIE</mark> AKALR	KLR.HPTRSEH	LRSFLDE	Lz4W
552	TAREAKVLRMRFG.	IDMNTDYTLE	EVGKQFDVTRER	IRQIE AKALR	KLR.HPSRSEV	LRSFLDD	Ecoli .
556 554	TAREAKVLRMRFG.	IDMNTDH	EVGKQFDVTRER	IRQIEAKALR	KLR.HPSRSEH	LRSFLDE	Paeruginosa
553	TAREAKVLRMRFG. TAREAKVLRMRFG.	TDMNTDHTTE	EVGKOFDVIRER	TROTEAKALK	VID UDTDCEU	LESPLDE	Pfluorescens Pputida
311	TDREENVLRLRFG.	LDDGPTPTTE	EVCKVECVTOER	TROTE AKALR	KI'D HDCDCKD	LKDELE	Bsubtilis
312	TDREENVLRLRFG.	LDDGRTRTTE	EVGKVFGVTRER	IROTEAKALR	KLR. HPSRSKR	LKDFLE.	Bhalodurans
468	SEREAGVVRLRFG.	LTDGQPRTTD	EIGQVYGVTRER	IRQIESKTMS	KLR. HPSRSQV	LRDYLD.	Mbovis
623	TPREERVLRMRFG.	IGMNTDHILE	EVGQQFSVTRE R	IRQIE AKALR	KLK.HPSRSRK	LRSFLDS	Atumefaciens
330	SPRERDVLRLRYG.	LDDGRMKTLE	EIGQIFNVT <mark>RE</mark> R	I <mark>RQIE</mark> AKALR	KLR. HPNRNSV	LKEYIR.	Anabaena _
568	PEREQEVVKMRFG.						Bburgdorferi
556 591	TAREAKVLRMRFG.	IDMNTDH	EVGKQFDVTRER	IRQIEAKALR	KLR.HPSRSEV	LRSFLDD	Baphidicola
494	TPREERVLRMRFG. TDRERFVLIHRFG.	IIDCDDVIII	EVGQQFSVIRER	TROTEAKALK	WMD UDIDOUC	LKSFLDS	Ccrescentus Cmuridarum
494	TDRERFVLIHREG.	LIDGKPKTTE	EVGSAFNVIDER	TROTE AKALR	KWD HDIBSKO	T.PAFT.DT.	Cpneumoniae
494	TDRERFVLIHREG.	I.I.DGRPK II E	EVGSAFNVTRER	TROTEAKALR	KMR. HPTRSKO	LRAFIDI.	Ctrachomatis
318	TPREEKVLRLRFG.	LDDGRAR	EVGKEFNVTRER	IRÕIEAKALR	KLR. HPSRSKK	LKDYLD.	Cacetobutylicum
308	TDREENVLRLRFG.	LDDGRTRTLE	EVGKVFGVTRER	IRQIEAKALR	KLR. HPSRSKO	LKDFLE.	Efaecalis
568	TPREAKVLRMRFG.	IDMNTDHTLE	EVGKQFDVTRE R	I <mark>RQIE</mark> AKALR	KLR.HPSRSET	LRSFLDE	Hinfluenzae
619	NEREKAVIRM <mark>R</mark> FGI	LDDESDREE	EIGKELNVT<mark>RE</mark>R	V <mark>RQIE</mark> SS A IK	KLR.SPQYGRI	LRNYLRI	HpyloriJ99
609	NEREKAVIRM <mark>R</mark> FGI						Hpylori
327	TDREENVLRMRFG.						Llactislactis
317 314	TEREENVLRLRFG. TDREENVLRLRFG.	LDDGRTRILE	EVGKVFGVTRER	TROIEAKALR	KLR.HPSRSKR	LKDFLE.	Linterrogans
314	TDREENVLRLRFG.	LDDGRIKILE	EVGRVEGVIRER	TROTEAKALK	WID UDCDCV	LKDFIE.	Linnocua Lmonocytogenes
356	SPRERDVLRLRYG.	LDDGBWKITE	ETGOTENUTEER	TROTE AKALR	KI'B HDMBMSI	LKEVID.	Maeruginosa
429	SEQUELIVEMRIGH	PPYNEPK	EVGOKTLTPREK	TROTENKATE	KIRHAVRNNPT	SMSFLRT	Mgenitalium
431	SEQUELIVRMRIGH	PPYNETKIID	EVSOKIKIPREK	IRÕIETKAIR	KLROAVRNNHM	SLSFMRG	Moneumoniae
647	TPREEKVLRMRFG.	IGEKSDHILE	EVGODFEVTRER	IRQIEAKALR	KLR.HPSRSKR	LRSFVES	Mxanthus
576	TPREAKVLRMRFG.	IDMNTDHTLE	EVGRQFDVTRER	I <mark>RQIE</mark> AKALR	KLR.HPTRSDR	LRSFLDS	Ngonorrhoeae
623	TPREERVLRMRFG.	IGMNTDHTLE	EVGQQFSVT <mark>RE</mark> R	I <mark>RQIE</mark> AKALR	KLK.HPSRSRK	LRSFLDS	Rmeliloti
613	TPREERVLRMRFG.	IGMNTDH	EVGQQFSVTRER	IRQIEAKALR	KLK.HPSRSRK	LRSFLDQ	Rcapsulatus
560 554	TPREERVLRMRFG.	IGMNTDHTE	EVGQQFKVTRER	IRQIESKALR	KLQ.HPIRSKK	LNSFRNG	Rprowazekii
553	TAREAKVLRMRFG. TAREAKVLRMRFG.	TDMNTDH	EVGKOFDVIKER	TROTEAKALK	KLK.HPSKSEV	TREETDE	Styphimurium Sviolacea
308	TDREENVLRLRFG.	IDDGDTDTTE	EVGKUEGUTDER	TROTEMENT	KIK . HPSKSEI	LKDEMD	Saureus
308	TDREENVLRLRFG.	LDDGRTRTLE	EVGKVEGVTRER	TROTEAKALR	KIR HPSRSKR	LKDEMD.	SaureusN315
257	GERERKVVQLRYG.						Saureofaciens
310	TDREENVLRLRFG.	LDDGKMRTIE	DVGKVFDVTRER	IRQIEAKALR	KLR. HPSRSKO	LRDFVED	Smutans
308	TDREENVLRLRFG.	LDDGKMRTTE	DVGKVFNVTRER	IRQIEAKALR	KLR.QPSRSKP	LRDFIED	Spneumoniae
324	SPRERDVLRLRYG.	LDDGRMKTLE	EIGQLFNVTRER	I <mark>RQIE</mark> AKALR	KLR.HPNRNSI	LKEYIR.	Synechococcus
332	SPREAMVLRMRYG.	LLDGKPKTLE	EVGQYFNVTRER	IRQIEVKALR	KLR.HPSRSKY	LKSLLSL	Tmaritima
550	PAREHEVLRMRFG.	LDGDYSQUIE	EVGLYFDVTRER	IRQIEAKALK	RLR.HPRHSRR	LKDFLDS	Tpallidum
556	TPREAKVLRMRFG.	TOWNTOHILE	EVGKOFDVTRER	IROTEAKALR	KLR.HPSRSEC	LKSFLDI	Xfastidiosa
377 362	SEREAMVLKLRKG. SEREAMVLKLRKG.	LIDGKEH	EVGAIRGVIRER	TROTENKALR	KLKIHESRTRK	TENETE.	Taquaticus Tthermophilus
302	SEKEMMV LKLEKE.	HIDGK EUME	EVGAFFGVTRER	*	KUKIRESKIKK	TKDE LD.	TCHETMODITION
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