

Chlamydiaceae-Specific Signature (MgtE Protein)

Griffiths and Gupta, R.S. (2002) Microbiology 148: 2541-2549

		292	341
Chlamydiaceae	Chl. trachomatis	15604914	RAPWLLITLCAGLVSAVMAYFQK-I-APTLLAMVIFFIPLVNLGSLGNVGVQ
	Chl. muridarum	15835084	-----
	Chlamydia suis	18031741	-----S-A-----
	Chlam. caviae	29840256	-----V-----S-----L-----I-----M-----
	Chlam. pneumoniae	33236138	-----V-F-I-----S-A-----LI-----I-----M-----
Parachlamydia	Parachlamydia sp. UWE25	46446749	-----IV-----T-TALSH-KD-RNWFTF-AL-V-IA-M-----I-
	Parachlamydia sp. UWE25	46446511	-G-V-LFLGEMMT-TALG-E-E- EIAQAVVLAL-L-----ISSG--A-S-
	Vibrio cholerae	3123889	-IV--VLFV-EAYTGT-LRS-EE- QLEAAIALA-----LI-TG--S-T-
	Erwinia carotovora	50122091	-WA--AVN--TA-IASR-IGL-EH- TLSH-VALATLM-I-A-IG--T-N-
	Shewanella oneidensis	24372728	-VT--V-LVFGNIF-GAGI-F-ED- TIASYVSLV--L--LIDSG--A-S-
Proteobacteria	Yersinia pseudotuberculosis	51597121	-WS--A-N--TAFIASR-IGL-ED- TISQ-VALAALM-I-A-IG--T-N-
	Xanthomonas axonopodis	21243707	-LI--S-N--TAFILAS--VSR-EG- TIEK-VALAALM-I-A-MG--A-T-
	Bord. parapertussis	33598244	-----FN--TAATASF-ASR-ED- TVSHIVILA-LMSI-A-IG--S-N-
	Chrom. violaceum	34104552	-L----LLFA-EAYTSTILQV-EE- QLEAVIALA-----LI-TG--S-T-
	Mesorhizobium loti	13471369	-V----VN-FTAFILA--IGL-DH- TIERIVALAVLM-I-A-MG--A-S-
	Novo. aromaticivorans	48851093	-LT--VVN-GTAI-AS--VGL--G- -IAK--LLAVLM-I-S-MG--A-T-
	Ca. crescentus	16126413	-L--MLN-ATATLAV-GV-I--A- EIAQ-VALAILM-I-SS-G--A-T-
	Zymomonas mobilis	56551666	-VR--ITN-GTA--ASTIIGF-EG- TIARMVELATLM-I-A-VG--A-S-
	Bru. suis	23500604	-G-G-LFLGEMLT--A-QH-EA- ELEKALVLT-----IMSSG--S-S-
	Anaplasma marginale	56416830	-L----VN-LTSSA-SI-IGW-SE- TIRSFIALSIIIM-MIASM--S-L-
	Wolbachia Dros. endosymbiont	42520253	-L----FN-L-ATMCSI-VGF-DD- VIKSFIVLPIIM-IIASM--A-S-
	Ehrlichia canis str. Jake	46308587	-L----F-N-LTAT--SMIIGI-SN- TIQHFIALSIVIM-IIASM--A-L-
	Des. desulfuricans	23475324	-L----I-NMVNSAF--W-VSL-EG- SIATM-ILAVLM-I-ANQA--T-Q-
	Bdello. bacteriovorus	42523969	-GG----LFLGQMFT-TA--F-ED- ELSKAMVLSM----IISSG--S-S-
	Cytophaga hutchinsonii	48853963	-L----IVGMIG-ILG-QFIGN-EN- VIHQVTAMA-----ITATG--I-
	Porphyromonas gingivalis	34396308	-L----GMAG--ANSILLGG-DS- LFAANPKMAL----IG-TG--I-
	Bacteroides fragilis	53712070	-L----GMIG-IGNSMILGN-DS- TFAAHPEMALY---IG-TG--T-
	Cb. tepidum TLS	21674667	-G--V-LFLSEMLT--A-S--EG- ELAKAIVLAT----ISSG--S-S-
	Rhodopirellula baltica	32471296	-GI--T-LFF-A-LT-FALRAYEE- ELETFLWLWV---IISAG--S-S-
	Bor. burgdorferi	1753228	-II--VLMVSSTFT-TIISNY-N- LMLS-VVLAS----LMDT--A-S-
Other Gram-ve bacteria	Leptospira interrogans	45657578	-MV--M-N-GTASLA---VSF-GE- TIEKYVLLASLM-I-A-MG--A-T-
	Synechococcus sp. WH 8102	33864637	-VV--AVLVV-SFFTSE-I-ANEE- VLQKVLLAA----LG-TG--A-
	Nostoc sp. PCC 7120	17229174	-L----GIMALYIGA--AI-P--S- IIAAVPVAVIM-IFSNTG-T--I-
	Cfx. aurantiacus	53795540	-V---VALVFVNVF-GAAI-A-EE- TIAAVVALV--L--LI-SA--A-S-
	Thermus thermophilus	46199003	-VR--V-LILT-M-TS-ILQG-ES- VLEAVTALA-YV-VLL-TG--T-N-
	Thermotoga maritima	15643918	-S---VVL-LLES-NGNIISSE- FLASIPIIAA---TMI-SA--T-A-
	Clo. perfringens	18310222	-L--FVN-ITAFILASATVGL-EG- TISKVVILAT-M-I-A-MG--G-T-
	Thermobifida fusca	48835450	--V---LLII-STLTIN--QG-EA- TLEQMTALAL-V-MLT-TG--S-
	Corynebacterium glutamicum	21322988	-IV---VLAVSAILTVQ-LDI-EA- TLVEAVLAL----LT-TG--T-N-
	Mycobacterium tuberculosis	15607503	-VV---VLFA-EAYTG--LRA-SD- EMEAVIALA-----LI-TG--T-
Gram +ve bacteria	Nocardia farcinica	54026272	--L--MLL-F-ATLTV--TDF--A- TLEQA-HLAL-----LI-AG--A-A-
	Bacillus subtilis	16078395	-L---ILL-FI--I-G-IIS--ED- -LKQVVALA--M-M-S-MT--T-T-
	Bac. halodurans	4514345	-L---VLL-FI----G-IISN-EE- TLEQVVAL----M-MIA-MT--T-T-
	Staphylococcus aureus	49485784	-L---I-LTFL-MIT-TILGR-E- TLENV-LLAA---IIS-M--S-T-
	Ent. faecalis	29377151	-L---ITL-FL-MST--LISNYES- LVSEASILAV--S-IT-TA--A-T-