

Anaplasmataceae- Signature (RP-314 Protein)

Gupta, R.S. (2005) Crit. Rev. Microbiol. 31: 101-135

		374	440		
Wolbachia/Ehrlichia	Wolbachia (Dros. endo)	42520498	VPSDDLLIIDAKIQTRNIEEV	LSAQK KDSNIVSIDG	LEGLKVKVRLSAYSARRLSLISGIVSHISPD
	Ehrlichia canis	46308214	--LN---V-----H---I	----M--K----YEK	YR---A-----NI-KIG-VN---VQV-A-
	Ri. conorii	15892351	S-TN-P---E--VSQK--DS-		H---VA-I-F--FKS-TTPTFT-K-VS----
	Ri. sibirica	34580644	S-TN-P---E--VSQK--DS-		H---VA-I-F--FKS-TTPTFT-K-VS----
	Ri. akari	52698734	PIN-PLI-EAKVS-KNIDSVH		---VA-I-F--FKS-TTPTFT-K-VS----
	Ri. typhi	51473509	PIN-PLI-EARIS-KNIDSVH		---IA-I-F--FKS-TTPTFT-R-VS----
	Ri. prowazekii	15604182	S-IN-P---E-R-SQK--DS-		H---VA-I-F--FKS-TTPTFT-K-VS----
	Rhodo. rubrum	22968874	--E--R-V-E-Q-SP-D-DN-		VP-MDTE--F--FNS-TIPI-D-VL-QV-A-
	Brad. japonicum	27382082	--RQ-R--VT-RLRPED-DV-		HP--SAE-H-VP-NQ--VPRLK-T-V---A-
	Meso. loti	13471139	--VA--TVE-R-APQD-DQL		SL-QD-ALK--FNQ-VTPEL--V--E--A-
	Rhi. leguminosarum	2062126	--ENNE-TVE--VA--D-DQ-		HV-QS-D--F--FDQ-TTPDV--EITS-A--
	Mesorhizobium sp. BNC1	45683835	L---AP---E-HVPRNE-DD-		KV-QEATI--ISLNQ-TTPVLN-E-FY--A-
	A. tumefaciens	15891612	L-AHVP--LE-QVLRTS-DQL		H--QTAAI---LNR-TTPVLN-K-FYV-A-
	Ca. vibrioides	6409377	A-E-EAFV-Q-HF-PTDVDN-		HM-MVTE---P-FHS-EIPILN-TIQSL-Q-
	Ca. crescentus	16125261	A-E-EAFV-Q-HF-PTDVDN-		HM-MVTE---P-FHS-EIPILN-TIQSL-Q-
Other α- Proteo	Mag. magnetotacticum	23009677	--RS-T-V-E--VAPKD-DQ-		RL-QHAVL--T-FNQ-TTPE-E-T--LVAA-
	Rho. sphaeroides	46192856	--DL-H-V-QMRVPPEA-DN-		RK-GLAR---T--RRALAPVVR-Q--FV---
	Sphingomonas elodea	32170819	--DNAR-EAEVMVENG-DGF-		RT-MP---K-Q-FPYT-YGM-P-T-VG---E
	Sino. meliloti	16264639	--E-EP-LVEMHVS--D-DSI		TI-SSTQI--T--NQ-SHLPLE-K-TY-AA-
	E. coli	26246260	I-LE-Q-L-E-Y-NP-DVAY-		RT-MPAL-K-T--DYAIYGGLD-V-TLV---
	Vibrio cholerae	15601830	--TE-T-LVE-Q-APQD-VFL		RPD-PAI-KF---DFT-YGGLE-TLE---A-
	Pse. putida	26987539	--M-ER-L-ETR-AP-D-AFI		HPDQAA--KI---DYSVYGGLD-K-VG---
	Pse. aeruginosa	15598601	L-ERQP-LV--RLPVEMVDK-		RV--P-ELMF--FNQSTTPRVE-E-TLV-A-
	Ral. eutropha	46132078	--LE-T-LVE-RVRPAD-AFL		RP-QPAM-K----DFSIYGGFP-T-E---A-
	Chromo. violaceum	34497191	--AG-E-VVE---KPAD-AYL		KK--PAT-KFD-WDYSIYGAFK-V--Y--A-
	Nit. europaea	30248184	--L-Q-LVE-RLSP-D-AFI		HPDQAAT-KIT-FEPSIYGTLAAT-QN----
	Geo. sulfurreducens	39995386	--L--K--ET-VKPSD-AQI		RP--PAAI-FD-FDYTIHGAVD-T-AYV-A-
	Des. vulgaris	46579431	--L-T-L-E-R-RPAD-AFL		HPDQ-AV-KIT--DYSIYGGLE-V-EQ--A-
	Camp. fetus	4019202	--D-S-Y-ME--MHITD-DK-		YV--PADI-F--FNSKTAHV-E-E-TYV-A-