

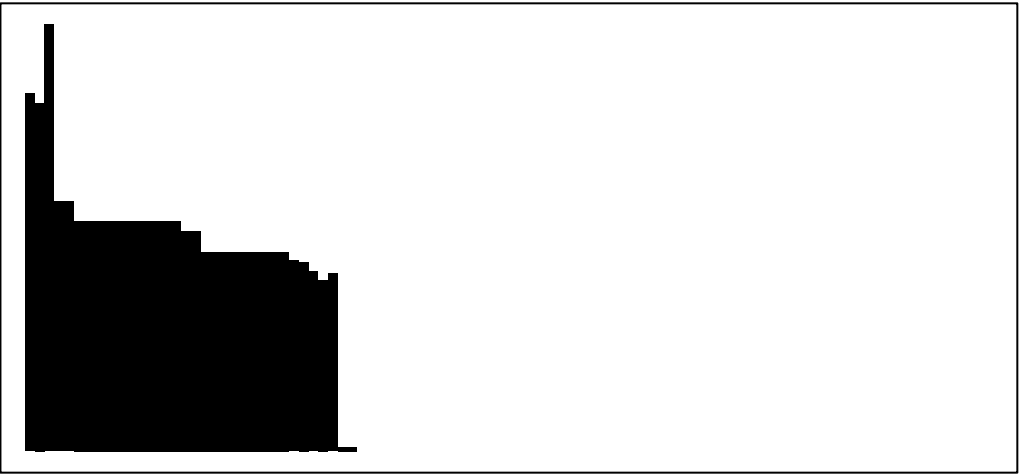
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Rickettsia endosymbiont of Macrolophus sp.

Rickettsiaceae

Rickettsiales

96.77



Rickettsia endosymbiont of Macrolophus sp. partial	HE583223	96.77	100	8.37528e-96	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Macrolophus sp.
Calopteryx maculata cytochrome oxidase subunit 1 (KM383849	96.31	100	1.02032e-94	Odonata	Calopterygidae	Calopteryx maculata
Hymenoptera sp. SSWLD2149-13 voucher BIOUG06368-A0	KM562170	100	79.26	3.80573e-81	Hymenoptera		Hymenoptera sp. SSWLD2149-13
Eucharitidae sp. ASEUA024-11 cytochrome oxidase su	KC182318	91.71	100	3.80573e-81	Hymenoptera	Eucharitidae	Eucharitidae sp. ASEUA024-11
Eucharitidae sp. ASEUA042-11 cytochrome oxidase su	KC182291	91.71	100	3.80573e-81	Hymenoptera	Eucharitidae	Eucharitidae sp. ASEUA042-11
Paracalliope fluviatilis haplotype PfH84 cytochrom	KR336948	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH83 cytochrom	KR336947	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH82 cytochrom	KR336946	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH81 cytochrom	KR336945	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH79 cytochrom	KR336943	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH65 cytochrom	KR336929	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH64 cytochrom	KR336928	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH61 cytochrom	KR336925	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH60 cytochrom	KR336924	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH59 cytochrom	KR336923	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH58 cytochrom	KR336922	90.78	100	1.97142e-78	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Paracalliope fluviatilis haplotype PfH80 cytochrom	KR336944	90.32	100	8.38268e-77	Amphipoda	Paracalliopiidae	Paracalliope fluviatilis
Formicidae sp. NZAC 03012775 cytochrome oxidase su	KP421783	90.32	100	8.38268e-77	Hymenoptera	Formicidae	Formicidae sp. NZAC 03012775
Hymenoptera sp. ASAHY857-14 voucher BIOUG09328-A01	KM998063	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY857-14
Hymenoptera sp. ASAHY869-14 voucher BIOUG09328-B01	KM997940	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY869-14
Hymenoptera sp. ASAHY950-14 voucher BIOUG09328-H10	KM997906	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY950-14
Hymenoptera sp. ASAHY912-14 voucher BIOUG09328-E08	KM997401	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY912-14
Hymenoptera sp. ASAHY861-14 voucher BIOUG09328-A05	KM996859	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY861-14
Hymenoptera sp. ASAHY844-13 voucher BIOUG07488-G11	KM996857	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY844-13
Hymenoptera sp. ASAHY946-14 voucher BIOUG09328-H06	KM996197	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY946-14
Hymenoptera sp. ASAHY926-14 voucher BIOUG09328-F10	KM995931	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. ASAHY926-14
Hymenoptera sp. NZAC 03011947 cytochrome oxidase s	KP421136	89.35	99.54	1.51562e-73	Hymenoptera		Hymenoptera sp. NZAC 03011947
Endopterygota sp. NZAC 03009225 cytochrome oxidase	KP422277	88.94	100	5.29005e-73			Endopterygota sp. NZAC 03009225
Flavina sp. 1 LZ-2010 cytochrome c oxidase subunit	HM452248	88.89	99.54	1.84641e-72	Hemiptera	Issidae	Flavina sp. 1 LZ-2010
Mycetophila lunata cytochrome oxidase subunit I (C	KM679400	88.43	99.54	7.85113e-71	Diptera	Mycetophilidae	Mycetophila lunata
Hymenoptera sp. NZAC 03011268 cytochrome oxidase s	KP421611	88.02	100	2.74031e-70	Hymenoptera		Hymenoptera sp. NZAC 03011268
Uncultured Rickettsia sp. cytochrome oxidase subun	KF005604	88.33	82.95	1.02212e-56	Rickettsiales	Rickettsiaceae	uncultured Rickettsia sp.
Hymenoptera sp. BOLD:ACE5209 voucher BIOUG04529-H1	KM568038	80.19	97.7	7.35978e-46	Hymenoptera		Hymenoptera sp. BOLD:ACE5209
Hymenoptera sp. BOLD:ACE5209 voucher BIOUG03191-B01	KM565576	80.19	97.7	7.35978e-46	Hymenoptera		Hymenoptera sp. BOLD:ACE5209
Protopolystoma xenopodis genome assembly P_xenopod	LM749305	79.63	99.54	2.56881e-45	Polypolysthocotylea	Polystomatidae	Protopolystoma xenopodis
Chironomidae sp. SSJAB388-13 voucher BIOUG05293-C1	KM966683	78.7	99.54	3.81246e-43	Diptera	Chironomidae	Chironomidae sp. SSJAB388-13
Hymenoptera sp. CNRMF043-12 voucher BIOUG03796-H08	KM561203	75.96	95.85	7.86501e-33	Hymenoptera		Hymenoptera sp. CNRMF043-12
Rickettsia monacensis, strain IrR/Munich, complete	LN794217	75.59	98.16	7.86501e-33	Rickettsiales	Rickettsiaceae	Rickettsia monacensis
Rickettsia canadensis str. CA410, complete genome	CP003304	75.59	98.16	7.86501e-33	Rickettsiales	Rickettsiaceae	Rickettsia canadensis str. CA410
Rickettsia canadensis str. McKiel, complete genome	CP000409	75.59	98.16	7.86501e-33	Rickettsiales	Rickettsiaceae	Rickettsia canadensis str. McKiel
Scopelocheirus schellenbergi clone SS1_BsaBI_3 cyt	AY830438	77.08	88.48	2.74516e-32	Amphipoda	Lysianassidae	Scopelocheirus schellenbergi
Rickettsia endosymbiont of Macrolophus pygmaeus pa	HE583222	75.59	97.7	1.16727e-30	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Macrolophus pygmaeus
Rickettsia bellii OSU 85-389, complete genome	CP000849	75	97.7	1.16727e-30	Rickettsiales	Rickettsiaceae	Rickettsia bellii OSU 85-389
Rickettsia bellii RML369-C, complete genome	CP000087	75	97.7	1.16727e-30	Rickettsiales	Rickettsiaceae	Rickettsia bellii RML369-C
Rickettsia australis str. Cutlack, complete genome	CP003338	75.25	91.24	6.04661e-28	Rickettsiales	Rickettsiaceae	Rickettsia australis str. Cutlack
Rickettsia akari str. Hartford, complete genome	CP000847	74.75	91.24	7.36628e-27	Rickettsiales	Rickettsiaceae	Rickettsia akari str. Hartford
Rickettsia rhipicephali strain HJ#5, complete geno	CP013133	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia rhipicephali
Candidatus Rickettsia amblyommii strain Ac37, comp	CP012420	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Candidatus Rickettsia amblyommii
Rickettsia raoultii strain Khabarovsk genome	CP010969	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia raoultii
Rickettsia rhipicephali str. 3-7-female6-CWPP, com	CP003342	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia rhipicephali str. 3-7-female6-CWPP
Candidatus Rickettsia amblyommii str. GAT-30V, com	CP003334	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Candidatus Rickettsia amblyommii str. GAT-30V
Rickettsia japonica YH DNA, complete genome	AP011533	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia japonica YH
Rickettsia heilongjiangensis 054, complete genome	CP002912	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia heilongjiangensis 054
Rickettsia felis URRWXC2, complete genome	CP000053	73.24	98.16	8.97397e-26	Rickettsiales	Rickettsiaceae	Rickettsia felis URRWXC2
Rickettsia rickettsii str. Morgan, complete genome	CP006010	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Morgan
Rickettsia rickettsii str. R, complete genome	CP006009	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. R
Rickettsia rickettsii str. Iowa, complete genome	CP000766	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Iowa
Rickettsia slovaca str. D-CWPP, complete genome	CP003375	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia slovaca str. D-CWPP
Rickettsia parkeri str. Portsmouth, complete genom	CP003341	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia parkeri str. Portsmouth
Rickettsia montanensis str. OSU 85-930, complete g	CP003340	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia montanensis str. OSU 85-930
Rickettsia rickettsii str. Hauke, complete genome	CP003318	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Hauke
Rickettsia rickettsii str. Hlp#2, complete genome	CP003311	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Hlp#2
Rickettsia rickettsii str. Hino, complete genome	CP003309	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Hino
Rickettsia philipii str. 364D, complete genome	CP003308	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia philipii str. 364D
Rickettsia rickettsii str. Arizona, complete genom	CP003307	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Arizona
Rickettsia rickettsii str. Colombia, complete geno	CP003306	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Colombia
Rickettsia rickettsii str. Brazil, complete genome	CP003305	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. Brazil
Rickettsia slovaca 13-B, complete genome	CP002428	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia slovaca 13-B
Rickettsia peacockii str. Rustic, complete genome	CP001227	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia peacockii str. Rustic
Rickettsia africae ESF-5, complete genome	CP001612	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia africae ESF-5
Rickettsia rickettsii str. 'Sheila Smith', complet	CP000848	72.77	98.16	1.09325e-24	Rickettsiales	Rickettsiaceae	Rickettsia rickettsii str. 'Sheila Smith'
Rickettsia massiliae str. AZT80, complete genome	CP003319	72.3	98.16	4.64863e-23	Rickettsiales	Rickettsiaceae	Rickettsia massiliae str. AZT80
Rickettsia conorii str. Malish 7, complete genome	AE006914	72.3	98.16	4.64863e-23	Rickettsiales	Rickettsiaceae	Rickettsia conorii str. Malish 7
Rickettsia massiliae MTU5, complete genome	CP000683	72.3	98.16	4.64863e-23	Rickettsiales	Rickettsiaceae	Rickettsia massiliae MTU5
Paralogopsis sp. PBK-2015 cytochrome oxidase subuni	KP406764	75.31	74.65	5.66319e-22	Astigmata	Pyroglyphidae	Paralogopsis sp. PBK-2015
Proctophyllodes pinnatus voucher 320_C cytochrome	KP193651	74.85	78.8	5.66319e-22	Astigmata	Proctophyllodidae	Proctophyllodes pinnatus
Proctophyllodes pinnatus voucher 323_C cytochrome	KP193649	74.85	78.8	5.66319e-22	Astigmata	Proctophyllodidae	Proctophyllodes pinnatus
Proctophyllodes pinnatus voucher 73_C cytochrome o	KP193634	74.85	78.8	5.66319e-22	Astigmata	Proctophyllodidae	Proctophyllodes pinnatus
Caloglyphus berlessei mitochondrion, complete genom	KF499016	74.57	79.72	5.66319e-22	Astigmata	Acariidae	Caloglyphus berlessei
Rickettsia endosymbiont of Lasioglossum zonulum is	KP183257	75.15	76.04	1.97665e-21	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Lasioglossum zonulum
Trouessartia swidwiensis voucher 366_C cytochrome	KP193813	74.86	78.8	6.89918e-21	Astigmata	Trouessartiidae	Trouessartia swidwiensis
Proctophyllodes neopinnatus voucher 81_C cytochrom	KP193623	74.27	78.8	6.89918e-21	Astigmata	Proctophyllodidae	Proctophyllodes neopinnatus
Hyomesalges sp. AD1028 cytochrome oxidase subunit	KF891925	75	78.34	6.89918e-21	Astigmata	Psoroptoididae	Hyomesalges sp. AD1028
Proctophyllodes serini isolate 1364 cytochrome c o	KT025511	74.55	76.04	2.40805e-20	Astigmata	Proctophyllodidae	Proctophyllodes serini
Montesauria cylindrica voucher 655_C cytochrome ox	KP193488	74.43	80.18	2.40805e-20	Astigmata	Proctophyllodidae	Montesauria cylindrica
Rickettsia endosymbiont of Lasioglossum semilucens	KP183258	74.39	75.58	8.40492e-20	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Lasioglossum semilucens
Proctophyllodes serini isolate 1394 cytochrome c o	KT025499	73.68	78.8	2.93361e-19	Astigmata	Proctophyllodidae	Proctophyllodes serini
Rickettsia endosymbiont of Lasioglossum laticeps i	KP183262	74.68	72.81	2.93361e-19	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Lasioglossum laticeps
Rickettsia endosymbiont of Halictus subauratus iso	KP183261	74.68	72.81	2.93361e-19	Rickettsiales	Rickettsiaceae	Rickettsia endosymbiont of Halictus subauratus
Trouessartia tenuipilata voucher 787_C cytochrome	KP193816	74.68	72.81	2.93361e-19	Astigmata	Trouessartiidae	Trouessartia tenuipilata
Trouessartia tenuipilata voucher 788_C cytochrome	KP193815	74.68	72.81	2.93361e-19	Astigmata	Trouessartiidae	Trouessartia tenuipilata
Trouessartia tenuipilata voucher 789_C cytochrome	KP193814	74.68	72.81	2.93361e-19	Astigmata	Trouessartiidae	Trouessartia tenuipilata
Proctophyllodes truncatus voucher 128_C cytochrome	KP193737	73.68	78.8	2.93361e-19	Astigmata	Proctophyllodidae	Proctophyllodes truncatus
Proctophyllodes truncatus voucher 125_C cytochrome	KP193734	73.68	78.8	2.93361e-19	Astigmata	Proctophyllodidae	Proctophyllodes truncatus
Proctophyllodes truncatus voucher 283_C cytochrome	KP193733	73.68	78.8	2.93361e-19	Astigmata	Proctophyllodidae	Proctophyllodes truncatus
Proctophyllodes pinnatus voucher 295_C cytochrome	KP193645	73.68	78.8	2.93361e-19	Astigmata	Proctophyllodidae	Proctophyllodes pinnatus
Orientia tsutsugamushi str. Ikeda DNA, complete ge	AP008981	72.25	88.02	2.93361e-19	Rickettsiales	Rickettsiaceae	Orientia tsutsugamushi str. Ikeda
Orientia tsutsugamushi Boryong complete genome	AM494475	72.25	88.02	2.93361e-19	Rickettsiales	Rickettsiaceae	Orientia tsutsugamushi str. Boryong
Proctophyllodes serini isolate 1352 cytochrome c o	KT025514	73.94	76.04	1.02393e-18	Astigmata	Proctophyllodidae	Proctophyllodes serini
Proctophyllodes serini isolate 1347 cytochrome c o	KT025512	73.94	76.04	1.02393e-18	Astigmata	Proctophyllodidae	Proctophyllodes serini