

Table S1. Distribution and characterization of predicted ORFs within 259 non-representative OGs across ten rickettsial genomes, and the results after manual curation.

No. ORFs	No OGs	RiOG no.	Distribution ^{1,2}										Designation ³	Curation ⁴
			Br	Bo	Ca	Pr	Ty	Ak	Fe	Ri	Co	Si		
2	49	1498	0	<u>2</u>	0	0	0	0	0	0	0	0	d	non-rep C1OG (FS)
		1499	0	<u>2</u>	0	0	0	0	0	0	0	0	d	non-rep C1OG (FS)
		1500	0	<u>2</u>	0	0	0	0	0	0	0	0	d	non-rep C1OG (FS)
		1501	0	<u>2</u>	0	0	0	0	0	0	0	0	d	non-rep C1OG (FS)
		1503	0	0	0	0	<u>2</u>	0	0	0	0	0	d	non-rep C1OG (FS)
		1504	0	0	0	0	0	0	0	0	0	<u>2</u>	d	non-rep C1OG (FS)
		1560	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1564	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1568	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1569	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1573	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1574	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1575	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1577	0	0	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG (FS)
		1578	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1579	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1580	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1581	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1582	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1583	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1584	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1585	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1586	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1587	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1588	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1589	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1590	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1591	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
		1592	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)

1593	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1594	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1595	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1596	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1597	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1598	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1599	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1600	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1601	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1602	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1603	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1604	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1605	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1606	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1607	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1608	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1609	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1610	0	0	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C1OG (S)
1740	<u>2</u>	0	0	0	0	0	0	0	0	0	d	non-rep C1OG (FS)
2073	0	0	0	0	0	<u>2</u>	0	0	0	0	d	non-rep C1OG (FS)
1276	0	0	0	0	0	0	<u>3</u>	0	0	0	d(2)	non-rep C1OG (FS)
1277	0	0	0	0	0	0	<u>3</u>	0	0	0	d(2)	non-rep C1OG (FS)
1278	0	1	0	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C2OG; A15
1279	0	0	0	0	0	0	<u>3</u>	0	0	0	d (pRF), no pRFδ	non-rep C1OG (FS)
1280	0	0	0	0	0	0	<u>3</u>	0	0	0	2 (Fe & pRF), no pRFδ	non-rep C1OG (FS)
1281	0	0	0	0	0	0	<u>3</u>	0	0	0	2 (Fe & pRF), no pRFδ	non-rep C1OG (FS)
1282	0	0	0	0	0	0	<u>3</u>	0	0	0	d (pRF), no pRFδ	non-rep C1OG (FS)
1283	0	0	0	0	0	0	<u>3</u>	0	0	0	d (pRF), no pRFδ	non-rep C1OG (FS)
1401	0	0	1	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C2OG; A12
1402	0	0	1	0	0	0	<u>2</u>	0	0	0	1 (pRF), no pRFδ	rep C2OG; A12
1409	1	<u>2</u>	0	0	0	0	0	0	0	0	s	rep C1OG; bellii
1419	1	<u>2</u>	0	0	0	0	0	0	0	0	s	rep C1OG; bellii
1440	<u>2</u>	1	0	0	0	0	0	0	0	0	d	non-rep C1OG; bellii
1483	0	0	0	0	0	1	<u>2</u>	0	0	0	d	non-rep C1OG; TRG

4	12	1156	0	0	0	0	0	0	0	1	<u>2</u>	1	s	rep C1OG; SFG
		1157	0	0	0	0	0	0	0	<u>1</u>	<u>2</u>	<u>1</u>	t; s; t	rep C1OG; SFG
		1163	0	0	0	0	0	0	0	<u>1</u>	<u>2</u>	<u>1</u>	s	rep C1OG; SFG
		1167	0	0	0	0	0	0	0	<u>2</u>	<u>1</u>	<u>1</u>	s	rep C1OG; SFG
		1173	0	0	0	0	0	0	0	<u>1</u>	<u>1</u>	<u>2</u>	t; s	rep C1OG; SFG
		1184	0	0	<u>2</u>	0	0	0	0	0	<u>1</u>	<u>1</u>	s	rep C2OG; B11
		1204	1	1	0	0	0	0	<u>2</u>	0	0	0	d	non-rep C1OG; plasmid
		1209	1	<u>2</u>	0	0	0	0	<u>1</u>	0	0	0	s	rep C1OG; plasmid
		1210	1	<u>2</u>	0	0	0	0	1	0	0	0	d	non-rep C1OG; plasmid
		1223	0	0	1	0	0	1	<u>2</u>	0	0	0	1 (pRF), no pRF δ	rep C2OG; B15
		1234	0	0	0	0	0	1	1	0	<u>2</u>	0	d	non-rep C2OG; B8
		1264	0	0	0	0	0	<u>2</u>	1	1	0	0	s	rep C2OG; B9
5	28	1055	0	0	0	0	0	1	<u>2</u>	0	<u>2</u>	s; s	rep C2OG; B2	
		1056	0	0	0	0	0	1	<u>2</u>	0	<u>2</u>	s; s	rep C2OG; B2	
		1057	0	0	0	0	0	0	<u>5</u>	0	0	0	2 (pRF; 1 s), no pRF δ (2)	non-rep C1OG (FS)
		1058	0	0	0	0	0	0	0	1	<u>2</u>	<u>2</u>	s; s	rep C1OG; SFG
		1059	0	0	0	0	0	0	1	<u>1</u>	<u>2</u>	<u>1</u>	t; s	rep C2OG; C1
		1060	0	0	0	0	0	0	<u>2</u>	1	1	<u>1</u>	s; t	rep C2OG; C1
		1061	0	0	0	0	0	0	1	<u>1</u>	1	<u>2</u>	t; s	rep C2OG; C1
		1062	0	0	0	0	0	0	0	<u>2</u>	<u>2</u>	1	d; d	non-rep C1OG; SFG
		1064	0	0	<u>2</u>	0	0	0	1	1	0	1	s	rep C2OG; C10
		1065	0	0	<u>2</u>	0	0	0	0	1	<u>1</u>	1	s; t	rep C2OG; C8
		1066	0	0	<u>2</u>	0	0	0	0	1	1	1	s	rep C2OG; C8
		1067	0	0	<u>1</u>	0	0	0	0	1	1	<u>2</u>	t; s	rep C2OG; C8
		1068	0	0	1	0	0	0	<u>2</u>	0	1	1	d	non-rep C2OG; C9
		1073	1	1	<u>1</u>	0	0	0	<u>2</u>	0	0	0	t; 1 (pRF), no pRF δ	rep C2OG; C28
		1081	<u>2</u>	1	0	0	0	0	0	0	1	1	s	rep C2OG; C18
		1085	1	1	<u>1</u>	0	0	0	<u>2</u>	0	0	0	t; 1 (pRF), no pRF δ	rep C2OG; C28
		1086	1	1	<u>1</u>	0	0	0	<u>2</u>	0	0	0	t; 1 (pRF), no pRF δ	rep C2OG; C28
		1088	1	1	0	0	0	0	<u>2</u>	0	<u>1</u>	0	s; t	rep C2OG; C21
		1091	<u>3</u>	<u>2</u>	0	0	0	0	0	0	0	0	d(2); d	non-rep C1OG; bellii
		1092	1	1	1	0	0	0	<u>2</u>	0	0	0	d	non-rep C2OG; C28
1098	<u>2</u>	<u>2</u>	0	0	0	0	1	0	0	0	d; d	non-rep C1OG; bellii		
1100	1	1	0	0	0	<u>1</u>	<u>2</u>	0	0	0	t; d	non-rep C2OG; C25		
1108	1	1	0	0	0	1	0	<u>2</u>	0	0	d	non-rep C2OG; C22		
1120	0	0	0	0	0	<u>2</u>	1	<u>2</u>	0	0	s; s	rep C2OG; B9		

		1125	0	0	0	0	0	1	<u>4</u>	0	0	0	d(3)	non-rep C1OG; TRG
		1128	1	<u>2</u>	0	0	0	1	1	0	0	0	s	rep C2OG; C25
		1132	0	0	0	0	0	1	0	<u>2</u>	1	1	s	rep C2OG; C2
		1134	0	0	0	0	0	<u>2</u>	1	1	0	1	d	non-rep C2OG; C4
6	16	1013	1	<u>2</u>	0	0	0	0	0	1	1	1	d	non-rep C2OG; D7
		1014	1	1	0	0	0	0	<u>2</u>	1	1	0	d	non-rep C2OG; D9
		1022	<u>2</u>	1	1	0	0	0	<u>2</u>	0	0	0	d; d	non-rep C2OG; C28
		1024	0	0	0	0	0	1	1	<u>2</u>	1	1	d	non-rep C1OG; SFG
		1029	0	0	0	0	0	1	<u>2</u>	1	<u>1</u>	1	s; t	rep C1OG; TRG+SFG
		1030	0	0	0	0	0	<u>1</u>	1	<u>2</u>	1	1	t; s	rep C1OG; TRG+SFG
		1042	0	0	0	0	0	<u>2</u>	1	1	<u>1</u>	1	s; t	rep C1OG; TRG+SFG
		1044	0	0	0	0	0	<u>1</u>	<u>2</u>	1	1	1	t; s	rep C1OG; TRG+SFG
		1049	0	0	0	0	0	<u>1</u>	0	<u>2</u>	1	<u>2</u>	s; s	rep C2OG; C2
		1051	0	0	0	0	0	1	<u>2</u>	1	1	1	s	rep C1OG; TRG+SFG
		1053	1	1	0	<u>2</u>	0	0	<u>2</u>	0	0	0	s; s	rep C2OG; C27
		1054	1	<u>1</u>	0	1	1	0	<u>2</u>	0	0	0	t; 1 (pRF), no pRFδ	rep C2OG; D15
		993	0	0	0	0	0	0	<u>6</u>	0	0	0	d(5)	non-rep C1OG (FS)
		994	0	0	0	0	0	0	<u>6</u>	0	0	0	d(5)	non-rep C1OG (FS)
		995	0	0	0	0	0	0	<u>6</u>	0	0	0	d(5)	non-rep C1OG (FS)
		996	0	0	0	0	0	0	1	<u>2</u>	1	<u>2</u>	s; s	rep C2OG; C1
7	23	928	0	0	0	0	0	0	<u>7</u>	0	0	0	5 (3 Fe & 2 pRF), no pRF δ (2)	non-rep C1OG (FS)
		929	0	0	0	0	0	0	1	<u>2</u>	<u>2</u>	<u>2</u>	d; d; d	non-rep C2OG; C1
		930	1	1	0	0	0	0	1	<u>2</u>	1	1	s	rep C2OG; E6
		932	<u>2</u>	1	0	0	0	0	0	<u>2</u>	1	1	d; s	non-rep C2OG; D7
		933	1	0	0	0	0	0	<u>2</u>	1	1	<u>2</u>	d; d	non-rep C2OG; D6
		935	<u>6</u>	1	0	0	0	0	0	0	0	0	d(5)	non-rep C1OG; bellii
		936	1	1	0	0	0	0	<u>2</u>	1	1	1	1 (pRF), no pRFδ	rep C2OG; E6
		937	<u>6</u>	1	0	0	0	0	0	0	0	0	d(5)	non-rep C1OG; bellii
		939	1	<u>2</u>	0	0	0	0	1	1	1	1	s	rep C2OG; E6
		940	<u>2</u>	<u>2</u>	0	0	0	0	0	1	1	1	s; s	rep C2OG; D7
		942	<u>6</u>	1	0	0	0	0	0	0	0	0	d(5)	non-rep C1OG; bellii
		953	0	0	1	0	0	1	1	0	<u>2</u>	<u>2</u>	s; s	rep C2OG; D3
		954	<u>2</u>	1	0	0	0	1	0	1	1	1	d	non-rep C2OG; E7
		957	0	0	0	0	0	1	1	1	<u>2</u>	<u>2</u>	s; s	rep C1OG; TRG+SFG
		959	0	1	0	0	0	<u>2</u>	1	1	1	1	s	rep C2OG; E4

		963	0	0	1	0	0	1	1	1	1	<u>2</u>	s	rep C2OG; E3
		971	<u>2</u>	1	0	0	0	1	0	1	1	1	s	rep C2OG; E7
		972	0	0	0	0	0	1	1	<u>2</u>	1	<u>2</u>	s; s	rep C1OG; TRG+SFG
		976	1	1	0	0	0	<u>2</u>	1	1	1	0	s	rep C2OG; E10
		981	0	0	<u>1</u>	0	0	<u>2</u>	1	1	1	1	t; s	rep C2OG; E3
		983	1	1	<u>1</u>	0	0	<u>2</u>	<u>2</u>	0	0	0	t; s; s	rep C1OG; AG+TRG
		984	0	0	<u>2</u>	0	0	<u>2</u>	0	1	1	1	s; s; t	rep C2OG; D2
		986	1	1	0	0	0	1	1	<u>2</u>	0	1	s	rep C2OG; E9
8	21	863	1	1	0	0	0	0	1	1	<u>2</u>	<u>2</u>	s; s	rep C2OG; E6
		864	1	1	0	0	0	0	<u>2</u>	1	1	<u>2</u>	d; s	non-rep C2OG; E6
		865	1	1	0	0	0	0	<u>2</u>	<u>2</u>	1	1	s; s	rep C2OG; E6
		866	1	1	<u>1</u>	0	0	0	0	<u>1</u>	<u>2</u>	<u>2</u>	t; t; s; s	rep C1OG; tick
		868	1	1	0	0	0	<u>2</u>	1	1	1	1	s	rep C2OG; F3
		869	1	1	0	0	0	1	1	0	<u>2</u>	<u>2</u>	s; s	rep C2OG; E8
		877	1	1	0	0	0	1	1	<u>2</u>	1	1	s	rep C2OG; F3
		880	1	1	0	0	0	<u>2</u>	1	1	1	1	s	rep C2OG; F3
		881	1	1	0	0	0	<u>2</u>	1	1	1	1	s; t	rep C2OG; F3
		882	0	0	0	0	0	1	1	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s	rep C1OG; TRG+SFG
		883	<u>2</u>	1	0	0	0	<u>2</u>	1	0	1	1	s; s	rep C2OG; E8
		887	0	0	0	0	0	1	<u>4</u>	1	1	1	d(3)	non-rep C1OG; TRG+SFG
		891	<u>2</u>	1	0	0	0	<u>1</u>	1	1	1	1	s; t	rep C2OG; F3
		893	1	1	0	0	0	1	<u>2</u>	1	1	1	s	rep C2OG; F3
		898	1	1	0	0	0	<u>2</u>	1	1	1	1	s	rep C2OG; F3
		900	1	<u>2</u>	0	0	0	1	<u>2</u>	1	0	1	s; s	rep C2OG; E9
		903	0	0	0	0	0	1	1	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s	rep C1OG; TRG+SFG
		909	0	0	1	0	0	<u>2</u>	1	<u>2</u>	1	1	s; s	rep C2OG; E3
		912	1	1	0	0	0	1	<u>3</u>	<u>2</u>	0	0	d(2); d	non-rep C2OG; D13
		914	1	<u>2</u>	0	0	0	<u>1</u>	1	1	1	1	d; t	non-rep C2OG; F3
		920	1	1	1	1	0	0	<u>3</u>	1	0	0	2 (Fe & pRF), no pRFδ	non-rep C2OG; E15
9	21	807	0	0	<u>1</u>	0	0	0	<u>2</u>	<u>2</u>	<u>3</u>	1	t; d; s; s(2)	non-rep C2OG; D1
		808	0	0	<u>9</u>	0	0	0	0	0	0	0	d(8)	non-rep C1OG (FS)
		809	1	1	1	0	0	0	<u>3</u>	1	1	1	d(2)	non-rep C2OG; F5
		810	1	1	<u>1</u>	0	0	0	1	<u>2</u>	<u>2</u>	1	t; s; s	rep C2OG; F5
		811	1	1	1	0	0	0	1	<u>2</u>	1	<u>2</u>	s; s	rep C2OG; F5
		812	1	1	<u>1</u>	0	0	0	1	<u>2</u>	1	<u>2</u>	t; s; s	rep C2OG; F5

		813	1	1	0	0	0	0	0	2	2	3	s; s; s(2)	rep C2OG; D7
		814	2	2	1	0	0	1	0	1	1	1	d; d; t	non-rep C2OG; F6
		816	1	2	1	0	0	1	1	1	1	1	s	rep C1OG; -TG
		817	1	1	1	0	0	2	0	2	1	1	s; s	rep C2OG; F6
		818	1	1	2	0	0	1	1	1	1	1	s	rep C1OG; -TG
		819	1	1	2	0	0	1	1	1	1	1	s	rep C1OG; -TG
		820	3	3	0	0	0	1	1	0	1	0	d(2); d(2); t	non-rep C2OG; D12
		821	1	1	0	0	0	2	1	2	1	1	s; s	rep C2OG; F3
		822	1	1	1	0	0	1	2	1	1	1	s	rep C1OG; -TG
		823	1	1	1	0	0	1	2	1	1	1	t; t; d	non-rep C1OG
		824	1	1	1	0	0	1	1	2	1	1	t; s	rep C1OG; -TG
		826	0	0	2	0	0	1	1	1	2	2	s; s; s	rep C2OG; E3
		829	1	1	0	0	0	1	1	2	2	1	s; s	rep C2OG; F3
		830	1	1	1	0	0	2	1	1	1	1	s	rep C1OG; -TG
		844	0	1	0	1	1	1	1	0	2	2	s; s	rep C2OG; F2
10	17	388	1	1	1	2	1	1	1	0	1	1	t; s	rep C2OG; H7
		449	1	1	0	1	1	1	1	1	2	1	t; s; t	rep C2OG; H3
		59	1	1	0	0	0	0	1	3	2	2	s(2); s; s	rep C2OG; E6
		60	1	1	1	0	0	0	1	2	2	2	t; s; s; s	rep C2OG; F5
		61	1	2	0	0	0	0	1	2	2	2	s; s; s; s	rep C2OG; E6
		62	1	1	1	0	0	2	1	2	1	1	t; s; s	rep C1OG; -TG
		63	1	1	1	0	0	1	2	1	2	1	t; d; s	non-rep C1OG
		64	1	2	0	0	0	1	1	2	1	2	s; s; s	rep C2OG; F3
		65	1	1	0	0	0	1	1	2	2	2	d; d; d	non-rep C2OG; F3
		66	1	1	0	0	0	1	1	2	2	2	t; s; s; s	rep C2OG; F3
		67	1	1	1	0	0	2	1	1	1	2	s; t; s	rep C1OG; -TG
		68	2	2	0	0	0	2	1	1	1	1	s; s; s; t	rep C2OG; F3
		69	1	1	0	0	0	1	2	2	3	0	t; s; s; s(2)	rep C2OG; E10
		70	1	1	0	0	0	2	1	2	2	1	s; s; s; t	rep C2OG; F3
		71	1	1	0	0	0	2	1	2	2	1	s; s; s	rep C2OG; F3
		72	1	1	1	0	0	3	1	1	1	1	t; s(2)	rep C1OG; -TG
		73	1	1	1	0	0	2	1	1	1	2	t; s; s	rep C1OG; -TG
11	24	35	1	1	0	0	0	0	1	2	3	3	s; s(2); s(2)	rep C2OG; E6
		36	1	1	1	0	0	0	1	2	3	2	t; s; s(2); s	rep C2OG; F5
		37	1	1	2	0	0	1	2	2	1	1	s; s; s	rep C1OG; -TG

38	1	1	<u>1</u>	0	0	<u>1</u>	<u>2</u>	1	<u>2</u>	<u>2</u>	t; t; s; s; s	rep C1OG; -TG		
39	1	1	<u>1</u>	0	0	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s	rep C1OG; -TG		
40	1	1	0	0	0	<u>2</u>	1	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s; s	rep C2OG; F3		
41	1	1	0	0	0	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s; s	rep C2OG; F3		
42	1	1	0	0	0	<u>1</u>	<u>2</u>	<u>3</u>	<u>2</u>	1	t; s; s; s	rep C2OG; F3		
43	1	<u>2</u>	1	1	1	<u>1</u>	1	1	1	1	s	rep C1OG; core		
44	1	<u>1</u>	<u>2</u>	1	1	1	1	1	1	1	s	rep C1OG; core		
45	1	1	1	1	1	1	1	1	1	<u>2</u>	s	rep C1OG; core		
46	1	1	1	1	<u>2</u>	1	1	1	1	1	d	non-rep C1OG; core		
47	1	<u>2</u>	1	1	1	1	1	1	1	1	s	rep C1OG; core		
48	1	1	<u>2</u>	1	1	1	1	0	1	<u>2</u>	s; s	rep C2OG; H7		
49	1	1	<u>2</u>	1	1	1	1	1	1	1	s	rep C1OG; core		
50	1	1	1	1	<u>2</u>	0	<u>3</u>	0	<u>1</u>	<u>1</u>	s; s(2); t; t	rep C2OG; G7		
51	1	1	1	1	1	1	1	0	<u>2</u>	<u>2</u>	s; s	rep C2OG; H7		
52	1	<u>2</u>	1	1	1	1	1	1	1	1	s	rep C1OG; core		
53	1	1	1	1	1	<u>2</u>	1	1	1	1	s	rep C1OG; core		
54	1	1	1	1	1	1	1	<u>2</u>	1	1	s	rep C1OG; core		
55	1	<u>2</u>	1	1	1	1	1	1	1	1	s	rep C1OG; core		
56	1	1	1	1	1	1	<u>2</u>	1	1	1	d	non-rep C1OG; core		
57	1	<u>2</u>	1	1	1	1	1	1	1	1	s	rep C1OG; core		
58	1	<u>2</u>	1	1	1	1	1	1	1	1	s	rep C1OG; core		
12	14	21	1	1	<u>2</u>	0	0	0	1	<u>3</u>	<u>2</u>	<u>2</u>	s; s(2); s; s	rep C2OG; F5
		22	<u>2</u>	<u>2</u>	0	0	0	<u>2</u>	<u>2</u>	1	<u>2</u>	1	d; d; d; d; d	non-rep C2OG; F3
		23	0	0	0	0	1	1	<u>2</u>	<u>3</u>	<u>2</u>	<u>3</u>	s; s(2); s; s(2)	rep C2OG; E1
		24	1	1	<u>2</u>	0	0	<u>2</u>	<u>2</u>	0	<u>2</u>	<u>2</u>	s; s; s; s; s	rep C2OG; F7
		25	1	1	<u>1</u>	0	0	<u>2</u>	1	<u>2</u>	<u>2</u>	<u>2</u>	t; s; s; s; s	rep C1OG; -TG
		26	0	0	0	0	0	<u>12</u>	0	0	0	0	d(11)	non-rep C1OG (FS)
		27	0	0	0	0	0	<u>12</u>	0	0	0	0	d(11)	non-rep C1OG (FS)
		28	<u>2</u>	1	0	0	0	<u>3</u>	1	<u>2</u>	<u>2</u>	1	s; s(2); s; s	rep C2OG; F3
		29	<u>2</u>	<u>2</u>	1	1	1	1	1	1	1	1	s; s	rep C1OG; core
		30	1	<u>3</u>	1	1	1	1	1	1	1	1	s(2)	rep C1OG; core
		31	1	1	1	1	1	<u>2</u>	<u>2</u>	1	1	1	d; d	non-rep C1OG; core
		32	<u>2</u>	1	0	1	1	<u>1</u>	1	<u>2</u>	1	<u>2</u>	s; t; s; s	rep C2OG; H3
		33	1	1	<u>2</u>	1	1	<u>1</u>	<u>2</u>	1	1	1	d; d	non-rep C1OG; core
		34	<u>1</u>	<u>1</u>	1	<u>2</u>	1	<u>2</u>	1	1	1	1	t; t; s; s	rep C1OG; core

13	6	15	<u>1</u>	<u>1</u>	<u>2</u>	0	0	<u>3</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>2</u>	s; s(2); s; s	rep C1OG; -TG	
		16	<u>2</u>	<u>2</u>	<u>2</u>	0	0	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>1</u>	s; s; s; s; s	rep C1OG; -TG	
		17	<u>2</u>	<u>1</u>	<u>1</u>	0	0	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	s; t; s; s; s; s	rep C1OG; -TG	
		18	<u>2</u>	<u>1</u>	<u>1</u>	0	0	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	s; t; s; s; s; s	rep C1OG; -TG	
		19	<u>1</u>	<u>1</u>	0	1	1	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	d; s; s; s	non-rep C2OG; H3	
		20	<u>1</u>	<u>1</u>	<u>1</u>	1	1	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	s; s; s	rep C1OG; core	
14	5	10	<u>1</u>	<u>1</u>	<u>2</u>	0	0	<u>1</u>	<u>1</u>	<u>3</u>	<u>4</u>	<u>1</u>	s; t; s(2); s(3)	rep C1OG; -TG	
		11	<u>2</u>	<u>2</u>	0	0	0	<u>1</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	d; d; d(2); d; d; d	non-rep C2OG; F3	
		12	<u>2</u>	<u>1</u>	0	0	0	<u>3</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>3</u>	s; s(2); s; s; s(2)	rep C2OG; F3	
		13	<u>2</u>	<u>1</u>	<u>2</u>	0	0	<u>3</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	s; s; s(2); s; s	rep C1OG; -TG	
		14	<u>1</u>	<u>1</u>	<u>2</u>	1	1	<u>2</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	s; s; s; s	rep C1OG; core	
15	3	7	<u>1</u>	<u>14</u>	0	0	0	0	0	0	0	0	d(13)	non-rep C1OG; bellii	
		8	<u>12</u>	<u>3</u>	0	0	0	0	0	0	0	0	0	d(11); d(2)	non-rep C1OG; bellii
		9	<u>2</u>	<u>2</u>	<u>1</u>	1	1	0	<u>1</u>	<u>3</u>	<u>2</u>	<u>2</u>	s; s; t; s(2); s; s	rep C2OG; H6	
17	1	6	0	0	0	0	0	<u>17</u>	0	0	0	d(16)	non-rep C1OG (FS)		
18	3	3	0	<u>18</u>	0	0	0	0	0	0	0	0	d(17)	non-rep C1OG (FS)	
		4	<u>1</u>	<u>2</u>	<u>1</u>	0	0	<u>3</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>3</u>	s; s(2); s(3); s(2); s(2)	rep C1OG; -TG	
		5	<u>1</u>	<u>1</u>	<u>1</u>	1	1	<u>4</u>	<u>4</u>	<u>2</u>	<u>1</u>	<u>2</u>	s(3); s(3); s; s	rep C1OG; core	
23	1	2	<u>1</u>	<u>1</u>	<u>3</u>	0	<u>1</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>4</u>	<u>5</u>	t; t; s(2); t; s(2); s(3); s(3); s(4)	rep C2OG; H4	
31	1	1	<u>2</u>	<u>1</u>	0	0	0	<u>1</u>	<u>27</u>	0	0	0	d; 24 (s(3))	non-rep C2OG; C25	

¹ Underscored numbers are described sequentially (left to right) under Designation.

² Taxon abbreviations are explained in the **Figure 1** legend.

³ d = gene duplication; s = split gene; t = truncated gene.

⁴ Status after concatenation of split ORFs and removal of redundant pRF δ ORFs: rep = representative, non-rep = non-representative, C1OG = class 1 OG, C2OG = class 2 OG, (S) = singleton, (FS) = false singleton. OGs made representative after curation are bolded. Names for C1OGs follow the description in **Figure 5** and **Figure 7**. Alphanumeric following C2OGs depict less conserved distributions of OG members across the rickettsial tree (see **Figure S2**).