SUPPLEMENTAL MATERIAL

Sequences

FASTA files containing the sequences of the alleles determined in this study and used to construct the trees presented and the supplementary tables S1 and S2 can be found at: http://dx.doi.org/10.6084/m9.figshare.1463318

Table S1 - ST, and allelic profiles and cluster on the ME tree of representative strains previously published. One strain of each profile was selected. Type strains are in bold.

Key	ID	ST	map	pfl	ppac	pyk	rpoB	sodA	tuf	Cluster[a]
SK443	*S. anginosus* genomosubspecies AJ1	1	10	24	26	29	12	39	21	G
CCUG 35181	*S. anginosus* genomosubspecies AJ1	39	15	15	25	25	11	17	7	G
CCUG 52051	*S. anginosus* genomosubspecies AJ1	75	8	4	36	27	18	39	20	G
SK534	*S. anginosus* subsp. *anginosus*	2	11	12	21	5	13	13	5	G
CCUG 28192	*S. anginosus* subsp. *anginosus*	5	13	15	33	28	23	25	6	G
SK1393	*S. anginosus* subsp. *anginosus*	6	13	16	33	22	17	14	2	G
DSM 20563^T	***S. anginosus* subsp. *anginosus***	**7**	**13**	**5**	**21**	**5**	**26**	**21**	**17**	**G**
CCUG 11668	*S. anginosus* subsp. *anginosus*	55	2	11	39	23	33	28	2	G
CO1	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
CO2	*S. anginosus* subsp. *anginosus*	57	21	14	9	33	16	22	19	G
CCUG 28195	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SK1428	*S. anginosus* subsp. *anginosus*	59	2	18	40	23	17	10	15	G
SK1396	*S. anginosus* subsp. *anginosus*	60	2	21	35	23	5	16	4	G
SK1401	*S. anginosus* subsp. *anginosus*	61	2	21	35	23	5	31	4	G
SK1402	*S. anginosus* subsp. *anginosus*	62	2	29	19	22	20	32	3	G
SK1106	*S. anginosus* subsp. *anginosus*	63	2	29	20	33	9	31	2	G
CCUG 34338	*S. anginosus* subsp. *anginosus*	64	2	29	39	23	33	28	2	G
SK1099	*S. anginosus* subsp. *anginosus*	65	2	7	19	22	20	18	3	G
SK1138	*S. anginosus* subsp. *anginosus*	74	8	18	10	33	1	39	16	G
SK1390	*S. anginosus* subsp. *anginosus*	76	8	8	10	33	1	39	16	G
CCUG 32852	*S. anginosus* subsp. *anginosus*	77	9	29	39	16	9	22	2	G
SK1102	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SK1340	*S. anginosus* subsp. *whileyi*	3	12	30	3	3	27	4	5	F
SK1366	*S. anginosus* subsp. *whileyi*	21	14	30	11	3	27	4	5	F
MAS 624	*S. anginosus* subsp. *whileyi*	22	14	30	15	3	27	4	5	F
SK1345	*S. anginosus* subsp. *whileyi*	23	14	30	18	3	27	4	5	F
CO3B	*S. anginosus* subsp. *whileyi*	24	14	30	18	6	27	4	5	F
SK1350	*S. anginosus* subsp. *whileyi*	25	14	30	28	3	10	4	5	F
SK1319	*S. anginosus* subsp. *whileyi*	26	14	30	28	3	27	4	5	F
DSM 25818^T	***S. anginosus* subsp. *whileyi***	**27**	**14**	**30**	**3**	**3**	**27**	**4**	**5**	**F**
CO4B	*S. anginosus* subsp. *whileyi*	32	14	30	5	3	10	4	5	F
SK1334	*S. anginosus* subsp. *whileyi*	36	14	3	18	3	27	4	5	F
SK1357	*S. anginosus* subsp. *whileyi*	37	14	3	28	3	27	4	5	F
SK457	*S. constellatus* subsp. *constellatus*	8	14	15	8	32	24	30	10	A
SK551	*S. constellatus* subsp. *constellatus*	9	14	15	8	32	32	29	10	A
SK1414	*S. constellatus* subsp. *constellatus*	10	14	23	37	32	25	9	8	A
SK1315	*S. constellatus* subsp. *constellatus*	11	14	26	41	32	15	24	8	A
SK535	*S. constellatus* subsp. *constellatus*	12	14	27	12	10	25	7	13	A
SK1424	*S. constellatus* subsp. *constellatus*	13	14	27	1	32	32	27	10	A
CCUG 28199	*S. constellatus* subsp. *constellatus*	14	14	27	14	8	22	8	8	A
DSM 20575^T	***S. constellatus* subsp. *constellatus***	**18**	**14**	**27**	**30**	**14**	**25**	**7**	**10**	**A**
CCUG 33199	*S. constellatus* subsp. *constellatus*	20	14	30	11	17	32	29	10	A
SK1422	*S. constellatus* subsp. *constellatus*	34	14	30	8	10	32	34	10	B
SK512	*S. constellatus* subsp. *constellatus*	35	14	30	8	32	32	2	10	A
CCUG 9569	*S. constellatus* subsp. *constellatus*	38	14	6	4	21	25	30	2	A
CCUG 4215	*S. constellatus* subsp. *constellatus*	40	15	20	1	13	14	5	10	A
CCUG 33235	*S. constellatus* subsp. *constellatus*	41	15	27	8	9	25	26	10	A
CCUG 55196	*S. constellatus* subsp. *constellatus*	42	15	30	32	8	25	37	13	A
SK1429	*S. constellatus* subsp. *constellatus*	45	17	19	8	9	3	37	1	A

SK464	*S. constellatus* subsp. *constellatus*	46	18	1	17	31	19	37	10	A
SK439	*S. constellatus* subsp. *constellatus*	47	18	20	24	10	19	35	10	B
SK524	*S. constellatus* subsp. *constellatus*	48	19	20	13	31	19	35	9	B
SK1403	*S. constellatus* subsp. *constellatus*	49	19	20	6	31	19	35	10	B
SK518	*S. constellatus* subsp. *constellatus*	50	19	27	34	31	19	35	10	B
CCUG 28467	*S. constellatus* subsp. *constellatus*	68	5	30	32	9	21	11	8	A
SK455	*S. constellatus* subsp. *constellatus*	69	6	27	42	32	25	3	13	A
SK1417	*S. constellatus* subsp. *constellatus*	70	7	17	8	32	29	15	10	A
SK498	*S. constellatus* subsp. *constellatus*	71	7	27	29	26	28	11	23	A
SK1091	*S. constellatus* subsp. *constellatus*	72	7	27	8	34	29	19	10	A
CCUG 36736	*S. constellatus* subsp. *constellatus*	73	7	30	8	4	7	6	10	A
CCUG 38579	*S. constellatus* subsp. *pharyngis*	15	14	27	16	32	25	36	17	C
DSM 17475^T	***S. constellatus* subsp. *pharyngis***	**16**	**14**	**27**	**16**	**32**	**25**	**37**	**17**	**C**
SK1327	*S. constellatus* subsp. *pharyngis*	17	14	27	16	32	29	37	17	C
CCUG 48768	*S. constellatus* subsp. *pharyngis*	66	3	27	16	32	25	37	17	C
SK1349	*S. constellatus* subsp. *viborgensis*	19	14	27	38	32	25	20	17	E
SK1375	*S. constellatus* subsp. *viborgensis*	28	14	30	38	15	25	20	17	E
SK1364	*S. constellatus* subsp. *viborgensis*	29	14	30	38	18	25	20	17	E
SK1360	*S. constellatus* subsp. *viborgensis*	30	14	30	38	2	25	20	5	E
DSM 25819^T	***S. constellatus* subsp. *viborgensis***	**31**	**14**	**30**	**38**	**32**	**25**	**20**	**17**	**E**
SK1342	*S. constellatus* subsp. *viborgensis*	33	14	30	7	2	25	20	17	E
DSM 20573^T	***S. intermedius***	**4**	**1**	**28**	**27**	**30**	**8**	**23**	**14**	**H**
SK1427	*S. intermedius*	43	16	9	27	12	4	33	11	H
CCUG 28760	*S. intermedius*	44	16	9	27	20	4	33	22	H
SK1110	*S. intermedius*	51	20	10	31	7	31	12	12	H
SK511	*S. intermedius*	52	20	13	23	11	31	1	22	H
SK478	*S. intermedius*	53	20	2	2	11	31	12	12	H
CCUG 28203	*S. intermedius*	54	20	25	27	24	6	38	18	H
CCUG 11578	*S. intermedius*	67	4	22	27	1	30	12	12	H

[a] - The clusters were given arbitrary letters (see figure 1).

Table S2 - Study isolates STs, allelic profiles and cluster on the minimal evolution tree.

Key	**MLSA ID**	**ST**	**map**	**pfl**	**ppac**	**pyk**	**rpoB**	**sodA**	**tuf**	**Cluster[a]**
SH1888	*S. anginosus* subsp. *anginosus*	1	10	24	26	29	12	39	21	G
SH1602	*S. anginosus* subsp. *anginosus*	5	13	15	33	28	23	25	6	G
SH1832	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH1835	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH1870B	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH2364	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH3427	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH4789	*S. anginosus* subsp. *anginosus*	56	21	14	40	33	16	22	19	G
SH1803	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SH1808	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SH1877	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SH4314	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SH6185	*S. anginosus* subsp. *anginosus*	58	2	18	22	19	2	22	2	G
SH1733	*S. anginosus* subsp. *anginosus*	61	2	21	35	23	5	31	4	G
SH1878	*S. anginosus* subsp. *anginosus*	61	2	21	35	23	5	31	4	G
SH2173	*S. anginosus* subsp. *anginosus*	64	2	29	39	23	33	28	2	G
SH1573	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1582	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1616	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1626	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1629	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1787	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1887	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH3417	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH3422	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH4259	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH4295	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH5761	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH6028	*S. anginosus* subsp. *anginosus*	78	9	29	39	23	9	22	2	G
SH1384	*S. anginosus* subsp. *anginosus*	82	11	12	21	5	35	13	5	G
SH1555	*S. anginosus* subsp. *anginosus*	84	13	33	33	22	36	14	6	G

SH5333	*S. anginosus* subsp. *anginosus*	84	13	33	33	22	36	14	6	G
SH1560	*S. anginosus* subsp. *anginosus*	85	23	21	45	33	2	42	3	G
SH1780	*S. anginosus* subsp. *anginosus*	85	23	21	45	33	2	42	3	G
SH1579	*S. anginosus* subsp. *anginosus*	87	9	29	3	23	9	22	2	G
SH1590	*S. anginosus* subsp. *anginosus*	88	13	34	47	33	37	43	25	G
SH1594	*S. anginosus* subsp. *anginosus*	90	15	18	10	33	1	39	7	G
SH1597	*S. anginosus* subsp. *anginosus*	92	15	15	48	25	11	44	16	G
SH1800	*S. anginosus* subsp. *anginosus*	92	15	15	48	25	11	44	16	G
SH1814	*S. anginosus* subsp. *anginosus*	92	15	15	48	25	11	44	16	G
SH5264	*S. anginosus* subsp. *anginosus*	92	15	15	48	25	11	44	16	G
SH1609	*S. anginosus* subsp. *anginosus*	94	25	29	39	23	38	22	2	G
SH1752	*S. anginosus* subsp. *anginosus*	94	25	29	39	23	38	22	2	G
SH4252	*S. anginosus* subsp. *anginosus*	94	25	29	39	23	38	22	2	G
SH5112	*S. anginosus* subsp. *anginosus*	94	25	29	39	23	38	22	2	G
SH1614	*S. anginosus* subsp. *anginosus*	95	9	29	20	23	39	22	2	G
SH1757	*S. anginosus* subsp. *anginosus*	98	13	16	33	33	23	46	4	G
SH1785	*S. anginosus* subsp. *anginosus*	98	13	16	33	33	23	46	4	G
SH1758	*S. anginosus* subsp. *anginosus*	99	25	36	51	29	40	44	2	G
SH1770	*S. anginosus* subsp. *anginosus*	99	25	36	51	29	40	44	2	G
SH4927	*S. anginosus* subsp. *anginosus*	99	25	36	51	29	40	44	2	G
SH1768	*S. anginosus* subsp. *anginosus*	100	13	16	33	22	17	14	6	G
SH1773	*S. anginosus* subsp. *anginosus*	100	13	16	33	22	17	14	6	G
SH1772	*S. anginosus* subsp. *anginosus*	101	15	15	25	25	11	44	7	G
SH2182	*S. anginosus* subsp. *anginosus*	101	15	15	25	25	11	44	7	G
SH1279	*S. anginosus* subsp. *anginosus*	103	26	37	36	36	2	44	16	G
SH1543	*S. anginosus* subsp. *anginosus*	104	2	21	35	37	5	31	4	G
SH1796	*S. anginosus* subsp. *anginosus*	106	27	36	51	29	40	48	2	G
SH1871	*S. anginosus* subsp. *anginosus*	106	27	36	51	29	40	48	2	G
SH3418B	*S. anginosus* subsp. *anginosus*	106	27	36	51	29	40	48	2	G
SH3887	*S. anginosus* subsp. *anginosus*	106	27	36	51	29	40	48	2	G
SH6260A	*S. anginosus* subsp. *anginosus*	106	27	36	51	29	40	48	2	G
SH1623	*S. anginosus* subsp. *anginosus*	109	25	36	51	29	40	44	28	G
SH1802	*S. anginosus* subsp. *anginosus*	110	2	40	36	39	36	31	2	G
SH5331	*S. anginosus* subsp. *anginosus*	110	2	40	36	39	36	31	2	G
SH1829A	*S. anginosus* subsp. *anginosus*	113	30	41	40	41	42	51	2	G
SH1754	*S. anginosus* subsp. *anginosus*	114	2	40	36	39	43	31	2	G
SH1779	*S. anginosus* subsp. *anginosus*	116	2	29	22	19	44	22	2	G
SH1801	*S. anginosus* subsp. *anginosus*	118	13	27	56	25	45	52	29	G
SH1819	*S. anginosus* subsp. *anginosus*	120	13	21	58	22	46	25	4	G
SH5965	*S. anginosus* subsp. *anginosus*	120	13	21	58	22	46	25	4	G
SH1828	*S. anginosus* subsp. *anginosus*	121	32	8	40	41	47	51	2	G
SH1852	*S. anginosus* subsp. *anginosus*	121	32	8	40	41	47	51	2	G
SH1973	*S. anginosus* subsp. *anginosus*	121	32	8	40	41	47	51	2	G
SH6257	*S. anginosus* subsp. *anginosus*	121	32	8	40	41	47	51	2	G
SH1834	*S. anginosus* subsp. *anginosus*	122	25	34	59	25	40	54	2	G
SH4306	*S. anginosus* subsp. *anginosus*	122	25	34	59	25	40	54	2	G
SH1840	*S. anginosus* subsp. *anginosus*	124	2	29	61	23	33	28	2	G
SH1831	*S. anginosus* subsp. *anginosus*	126	13	43	51	23	45	55	30	G
SH1855	*S. anginosus* subsp. *anginosus*	127	27	36	51	29	48	54	2	G
SH1847A	*S. anginosus* subsp. *anginosus*	129	9	29	39	23	9	56	2	G
SH1866	*S. anginosus* subsp. *anginosus*	135	35	44	65	42	37	58	31	G
SH1898	*S. anginosus* subsp. *anginosus*	140	2	40	36	39	50	31	2	G
SH1944	*S. anginosus* subsp. *anginosus*	141	25	34	59	25	40	54	7	G
SH2184	*S. anginosus* subsp. *anginosus*	145	15	34	3	25	11	44	7	G
SH3693	*S. anginosus* subsp. *anginosus*	145	15	34	3	25	11	44	7	G
SH1949	*S. anginosus* subsp. *anginosus*	149	39	29	68	22	16	25	33	G
SH1985	*S. anginosus* subsp. *anginosus*	154	25	15	3	44	53	44	7	G
SH2163	*S. anginosus* subsp. *anginosus*	155	40	34	71	9	40	63	7	outlier
SH2316	*S. anginosus* subsp. *anginosus*	156	15	47	26	29	40	64	7	G
SH3423	*S. anginosus* subsp. *anginosus*	159	2	48	20	45	9	31	2	G
SH2373	*S. anginosus* subsp. *anginosus*	163	13	43	73	46	56	66	10	G
SH3036	*S. anginosus* subsp. *anginosus*	164	41	12	21	5	57	64	5	G
SH3044	*S. anginosus* subsp. *anginosus*	169	13	16	33	33	23	14	4	G
SH3372	*S. anginosus* subsp. *anginosus*	170	11	12	21	5	35	68	5	G
SH4263	*S. anginosus* subsp. *anginosus*	170	11	12	21	5	35	68	5	G
SH3598	*S. anginosus* subsp. *anginosus*	172	11	12	21	5	60	13	5	G
SH3890	*S. anginosus* subsp. *anginosus*	176	15	15	80	47	62	70	7	G
SH3894	*S. anginosus* subsp. *anginosus*	177	43	29	81	22	63	71	2	G
SH3966	*S. anginosus* subsp. *anginosus*	178	11	5	21	5	35	13	5	G
SH5262	*S. anginosus* subsp. *anginosus*	181	8	16	10	33	1	39	7	G

SH5363	*S. anginosus* subsp. *anginosus*	184	13	34	47	48	37	73	25	G
SH5364	*S. anginosus* subsp. *anginosus*	184	13	34	47	48	37	73	25	G
SH5871	*S. anginosus* subsp. *anginosus*	187	2	29	39	23	33	22	2	G
SH5998	*S. anginosus* subsp. *anginosus*	189	11	50	21	5	13	13	5	G
SH6190	*S. anginosus* subsp. *anginosus*	190	13	15	33	22	66	18	4	G
SH6252	*S. anginosus* subsp. *anginosus*	192	46	51	51	29	17	48	2	G
SH6263	*S. anginosus* subsp. *anginosus*	194	47	52	83	50	37	39	16	G
SH4253	*S. anginosus* subsp. *anginosus*	195	14	34	84	25	68	76	31	G
SH4254	*S. anginosus* subsp. *anginosus*	196	48	15	3	51	57	77	36	G
SH4302	*S. anginosus* subsp. *anginosus*	197	15	43	40	25	45	63	2	G
SH4486A	*S. anginosus* subsp. *anginosus*	199	49	5	21	52	35	44	25	G
SH4792	*S. anginosus* subsp. *anginosus*	202	50	54	86	22	36	79	20	G
SH4928	*S. anginosus* subsp. *anginosus*	203	21	14	40	33	16	22	38	G
SH6183	*S. anginosus* subsp. *anginosus*	211	14	34	71	53	40	63	7	G
SH6265	*S. anginosus* subsp. *anginosus*	213	13	16	33	33	23	22	4	G
SH1559	*S. anginosus* subsp. *whileyi*	27	14	30	3	3	27	4	5	F
SH5158	*S. anginosus* subsp. *whileyi*	27	14	30	3	3	27	4	5	F
SH5974	*S. anginosus* subsp. *whileyi*	27	14	30	3	3	27	4	5	F
SH6266	*S. anginosus* subsp. *whileyi*	27	14	30	3	3	27	4	5	F
SH4675	*S. anginosus* subsp. *whileyi*	200	14	30	3	3	27	4	37	F
SH5102	*S. constellatus* subsp. *constellatus*	34	14	30	8	10	32	34	10	B
SH0350	*S. constellatus* subsp. *constellatus*	79	14	31	1	32	32	40	10	A
SH0859	*S. constellatus* subsp. *constellatus*	80	22	27	43	35	34	5	24	A
SH1049	*S. constellatus* subsp. *constellatus*	81	15	27	44	32	29	24	10	A
SH1551	*S. constellatus* subsp. *constellatus*	83	14	32	8	32	21	41	10	A
SH1574	*S. constellatus* subsp. *constellatus*	86	15	30	46	9	25	11	10	A
SH1593	*S. constellatus* subsp. *constellatus*	89	19	20	6	31	19	35	8	B
SH0358	*S. constellatus* subsp. *constellatus*	91	24	27	43	35	34	5	13	A
SH1599	*S. constellatus* subsp. *constellatus*	93	15	27	43	35	34	45	13	A
SH1622	*S. constellatus* subsp. *constellatus*	96	14	35	49	32	32	6	26	A
SH1635	*S. constellatus* subsp. *constellatus*	97	15	20	50	13	25	5	10	A
SH1048	*S. constellatus* subsp. *constellatus*	102	15	1	1	32	25	5	10	A
SH1546	*S. constellatus* subsp. *constellatus*	105	14	27	8	9	25	47	2	A
SH1797	*S. constellatus* subsp. *constellatus*	107	15	38	52	9	25	5	10	A
SH1813	*S. constellatus* subsp. *constellatus*	111	28	30	54	40	25	50	10	A
SH1817	*S. constellatus* subsp. *constellatus*	112	29	30	8	10	25	37	10	A
SH1756	*S. constellatus* subsp. *constellatus*	115	14	42	1	32	25	5	8	A
SH4498	*S. constellatus* subsp. *constellatus*	115	14	42	1	32	25	5	8	A
SH6032	*S. constellatus* subsp. *constellatus*	115	14	42	1	32	25	5	8	A
SH1794	*S. constellatus* subsp. *constellatus*	117	7	27	55	32	29	19	10	A
SH1810	*S. constellatus* subsp. *constellatus*	119	31	27	57	14	32	53	10	D
SH1838	*S. constellatus* subsp. *constellatus*	123	33	27	60	9	25	30	8	A
SH1829C	*S. constellatus* subsp. *constellatus*	125	14	17	62	32	32	37	10	A
SH2376	*S. constellatus* subsp. *constellatus*	125	14	17	62	32	32	37	10	A
SH1865	*S. constellatus* subsp. *constellatus*	128	14	27	1	32	32	37	10	A
SH5119	*S. constellatus* subsp. *constellatus*	128	14	27	1	32	32	37	10	A
SH5517	*S. constellatus* subsp. *constellatus*	128	14	27	1	32	32	37	10	A
SH5953	*S. constellatus* subsp. *constellatus*	128	14	27	1	32	32	37	10	A
SH1847B	*S. constellatus* subsp. *constellatus*	130	15	27	11	14	25	11	7	A
SH1849	*S. constellatus* subsp. *constellatus*	131	14	30	49	32	25	6	8	A
SH1881	*S. constellatus* subsp. *constellatus*	132	14	30	49	32	25	6	26	A
SH1895A	*S. constellatus* subsp. *constellatus*	133	14	27	63	32	25	57	10	A
SH1850	*S. constellatus* subsp. *constellatus*	134	34	30	64	40	28	37	10	A
SH1876	*S. constellatus* subsp. *constellatus*	136	14	30	66	9	25	37	10	A
SH1958	*S. constellatus* subsp. *constellatus*	137	15	27	52	9	25	11	7	A
SH5101	*S. constellatus* subsp. *constellatus*	137	15	27	52	9	25	11	7	A
SH1964	*S. constellatus* subsp. *constellatus*	138	36	27	8	9	49	37	10	A
SH1969	*S. constellatus* subsp. *constellatus*	139	14	27	8	10	25	7	13	A
SH1984	*S. constellatus* subsp. *constellatus*	143	14	27	1	32	51	60	10	A
SH3043	*S. constellatus* subsp. *constellatus*	146	14	15	54	32	25	37	10	A
SH3045	*S. constellatus* subsp. *constellatus*	147	14	27	1	40	22	6	32	A
SH1946	*S. constellatus* subsp. *constellatus*	148	38	46	1	32	25	62	8	A
SH1963	*S. constellatus* subsp. *constellatus*	150	18	20	8	31	19	35	10	B
SH3415	*S. constellatus* subsp. *constellatus*	150	18	20	8	31	19	35	10	B
SH5109	*S. constellatus* subsp. *constellatus*	150	18	20	8	31	19	35	10	B
SH1974	*S. constellatus* subsp. *constellatus*	151	19	20	69	31	19	35	34	B
SH1977	*S. constellatus* subsp. *constellatus*	152	19	20	62	31	19	35	10	B
SH3413	*S. constellatus* subsp. *constellatus*	153	15	1	70	8	32	40	10	A
SH5635	*S. constellatus* subsp. *constellatus*	153	15	1	70	8	32	40	10	A
SH2368	*S. constellatus* subsp. *constellatus*	157	14	27	72	9	54	65	2	A

SH3416	*S. constellatus* subsp. *constellatus*	158	15	30	8	10	25	37	34	A
SH3691	*S. constellatus* subsp. *constellatus*	160	14	26	41	32	32	24	8	A
SH3884	*S. constellatus* subsp. *constellatus*	161	14	27	60	32	51	29	10	A
SH3897	*S. constellatus* subsp. *constellatus*	162	15	30	8	9	55	37	35	A
SH4233	*S. constellatus* subsp. *constellatus*	165	14	30	74	14	58	7	10	A
SH4788	*S. constellatus* subsp. *constellatus*	167	14	49	76	32	15	37	10	outlier
SH4800	*S. constellatus* subsp. *constellatus*	174	14	30	78	32	32	69	10	A
SH4805	*S. constellatus* subsp. *constellatus*	175	14	30	79	32	25	69	10	A
SH5359	*S. constellatus* subsp. *constellatus*	175	14	30	79	32	25	69	10	A
SH5113	*S. constellatus* subsp. *constellatus*	179	14	27	8	32	28	11	10	A
SH5114	*S. constellatus* subsp. *constellatus*	180	31	27	11	14	32	53	10	D
SH5136	*S. constellatus* subsp. *constellatus*	180	31	27	11	14	32	53	10	D
SH5266	*S. constellatus* subsp. *constellatus*	182	15	1	8	32	29	24	10	A
SH5680	*S. constellatus* subsp. *constellatus*	186	45	27	43	35	29	5	13	A
SH5977	*S. constellatus* subsp. *constellatus*	188	14	27	54	49	32	37	13	A
SH6193	*S. constellatus* subsp. *constellatus*	191	15	27	8	32	25	74	13	A
SH6262	*S. constellatus* subsp. *constellatus*	193	7	30	82	32	67	75	10	A
SH4321	*S. constellatus* subsp. *constellatus*	198	14	15	54	32	25	35	10	B
SH4778	*S. constellatus* subsp. *constellatus*	201	15	53	85	9	25	78	8	A
SH5116	*S. constellatus* subsp. *constellatus*	204	14	27	63	32	25	69	10	A
SH5525A	*S. constellatus* subsp. *constellatus*	205	51	20	87	32	28	80	8	A
SH5553	*S. constellatus* subsp. *constellatus*	206	7	27	62	9	28	11	23	A
SH5952	*S. constellatus* subsp. *constellatus*	207	15	27	8	32	29	80	10	A
SH6031	*S. constellatus* subsp. *constellatus*	208	15	55	8	9	29	24	10	A
SH6175	*S. constellatus* subsp. *constellatus*	209	52	27	54	40	25	81	5	A
SH6178	*S. constellatus* subsp. *constellatus*	210	15	20	1	9	25	5	10	A
SH3634	*S. constellatus* subsp. *pharyngis*	173	14	27	16	32	61	37	17	C
SH6194	*S. constellatus* subsp. *pharyngis*	212	53	56	88	32	25	37	17	C
SH1544	*S. constellatus* subsp. *viborgenesis*	31	14	30	38	32	25	20	17	E
SH1845B	*S. constellatus* subsp. *viborgenesis*	31	14	30	38	32	25	20	17	E
SH4165	*S. constellatus* subsp. *viborgenesis*	31	14	30	38	32	25	20	17	E
SH4349	*S. constellatus* subsp. *viborgenesis*	31	14	30	38	32	25	20	17	E
SH6198	*S. constellatus* subsp. *viborgenesis*	31	14	30	38	32	25	20	17	E
SH3396	*S. constellatus* subsp. *viborgenesis*	171	14	30	38	32	59	20	17	E
SH1607	*S. intermedius*	108	20	39	53	38	41	49	27	H
SH1975	*S. intermedius*	142	20	39	53	38	41	59	12	H
SH2172	*S. intermedius*	144	37	45	67	43	52	61	22	H
SH4251	*S. intermedius*	166	42	39	75	11	41	67	12	H
SH3038	*S. intermedius*	168	4	10	77	1	41	12	11	H
SH5267	*S. intermedius*	183	44	10	27	22	64	72	18	H
SH5554	*S. intermedius*	185	20	13	27	11	65	1	22	H

[a] - The clusters were given arbitrary letters (see figure 1).

Supplementary Figure S1

Supplementary Figures S1a-g - Minimum evolution trees based on the individual housekeeping genes found among the 212 STs of study collection in addition to the alleles available on GenBank. The alleles are colored according to the *taxa*, with the same colors used in Figure 1. Alleles present in more than one *taxon* are marked with the corresponding colors independently of their proportion in each *taxon*. Bootstrap values (percentages) are shown and ❖ indicates the allele found in the type strain.

Figure S1a - *map*

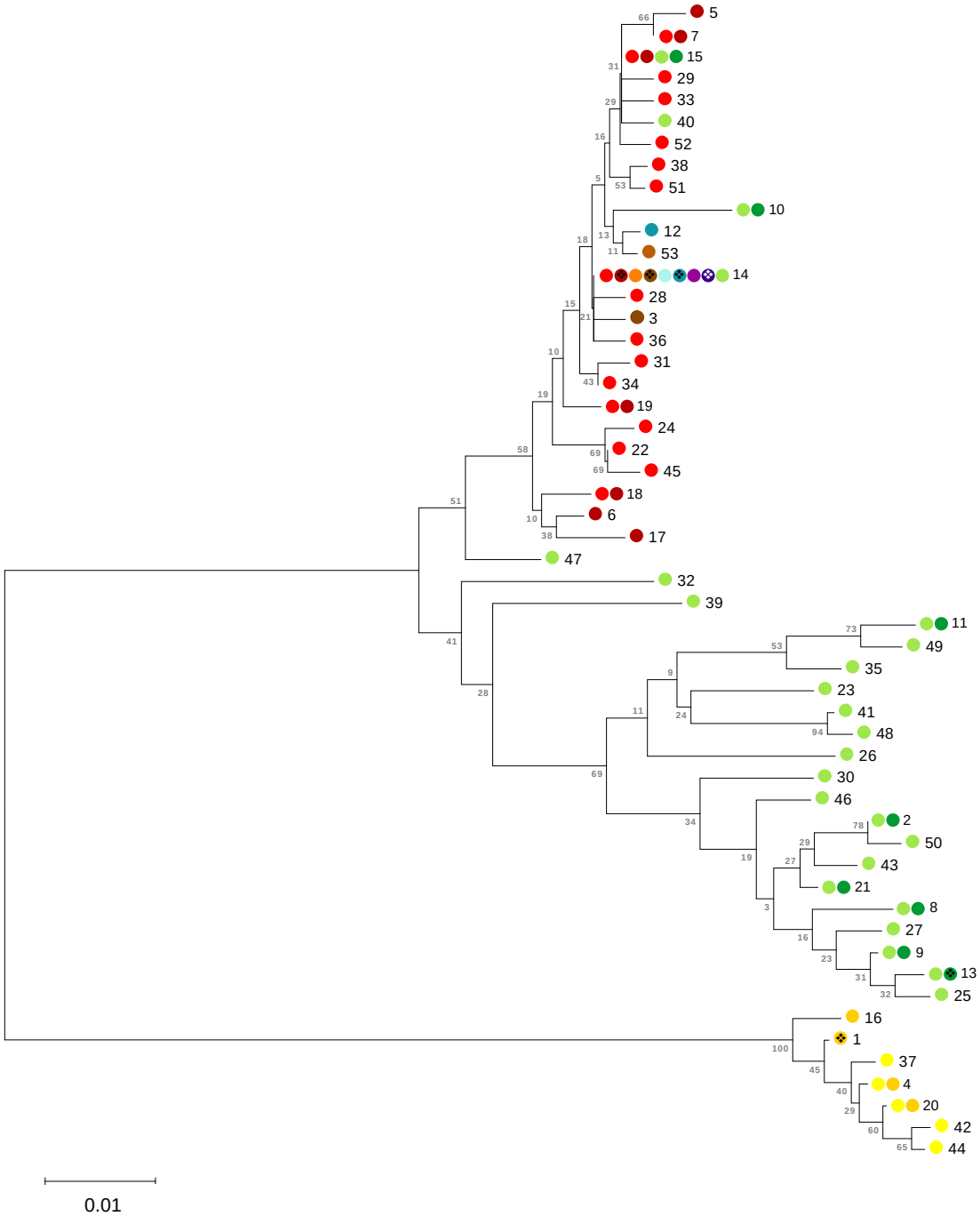

Figure S1b - *pfl*

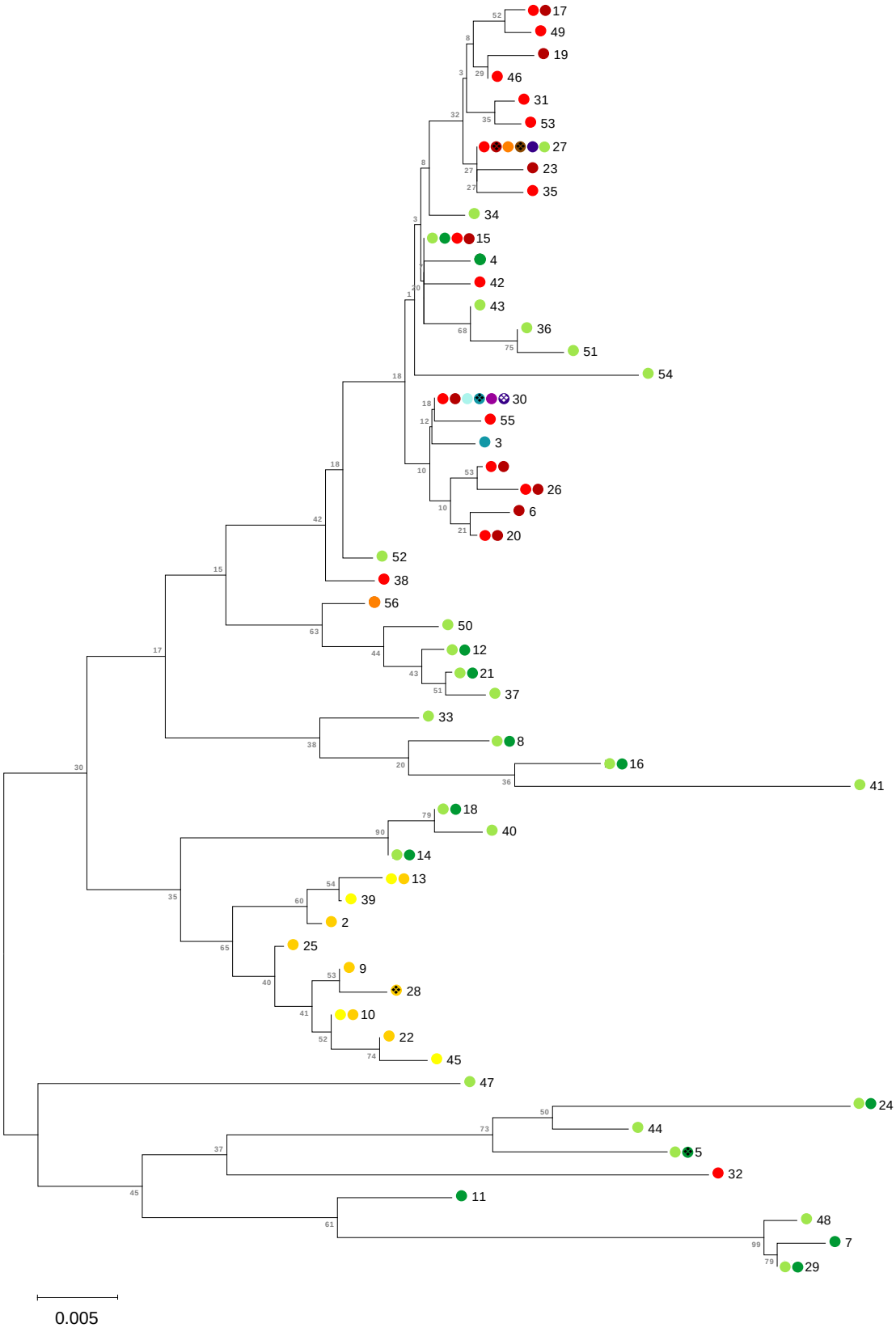

Figure S1c - *ppac*

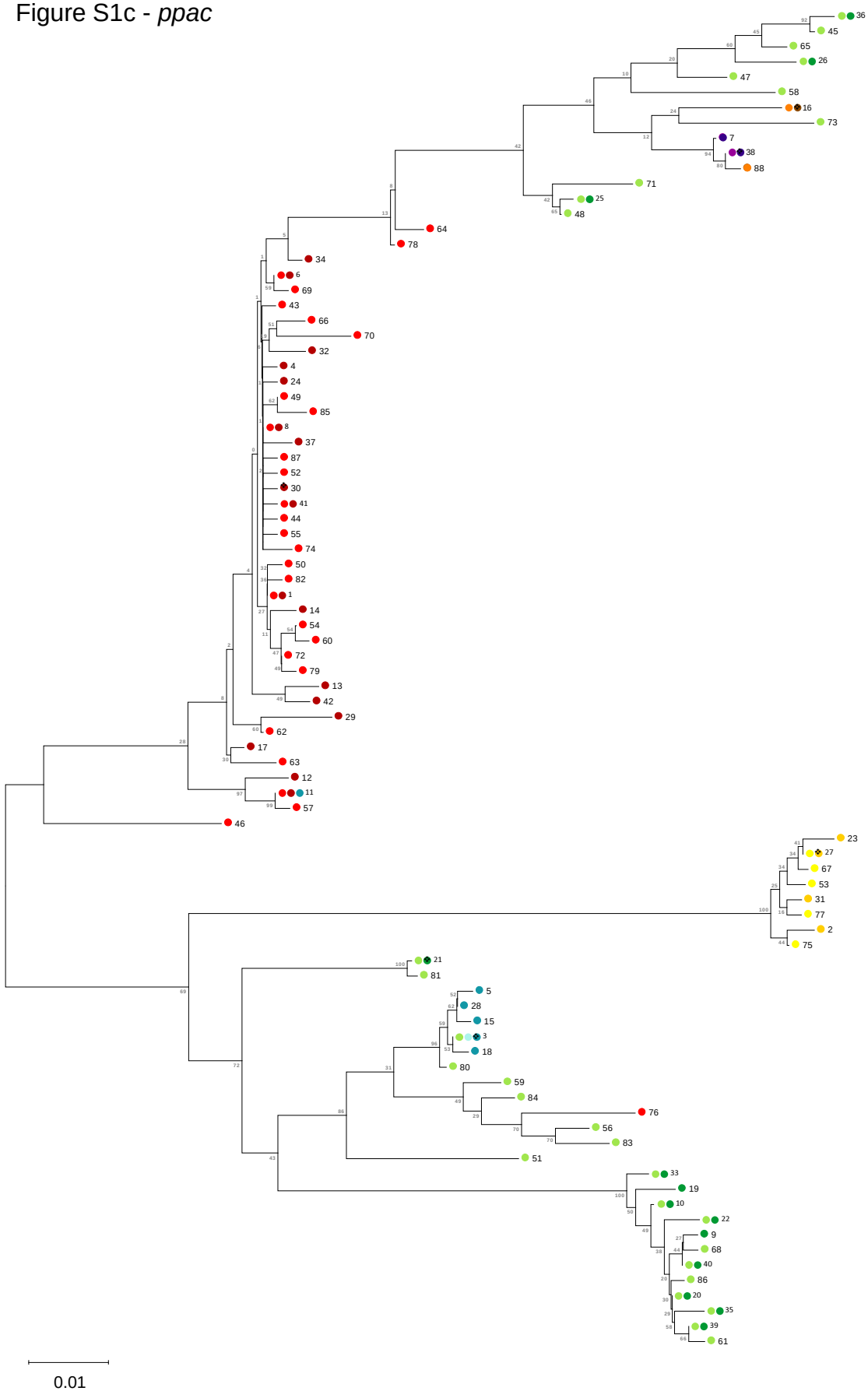

Figure S1d - *pyk*

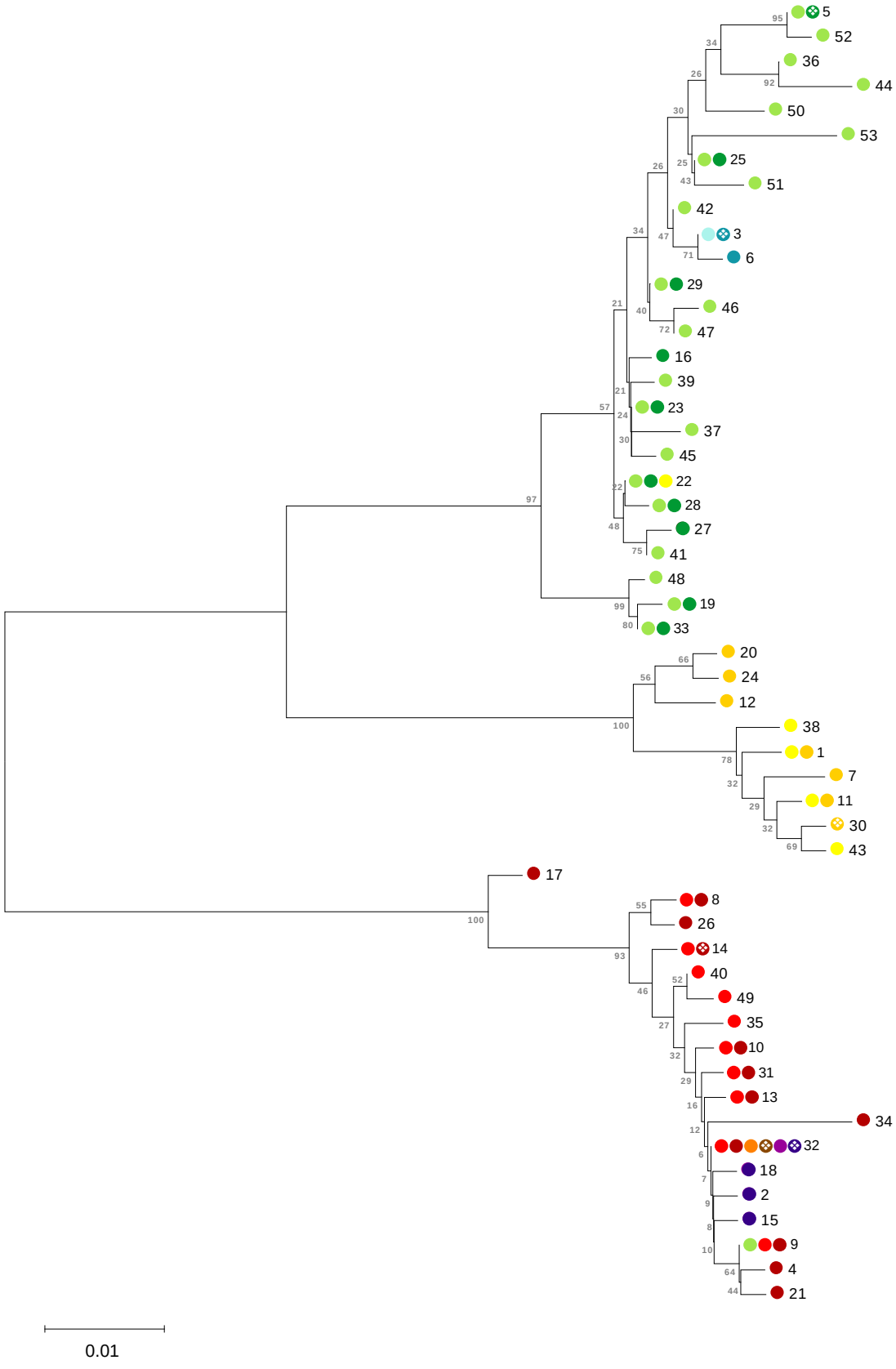

Figure S1e - *rpoB*

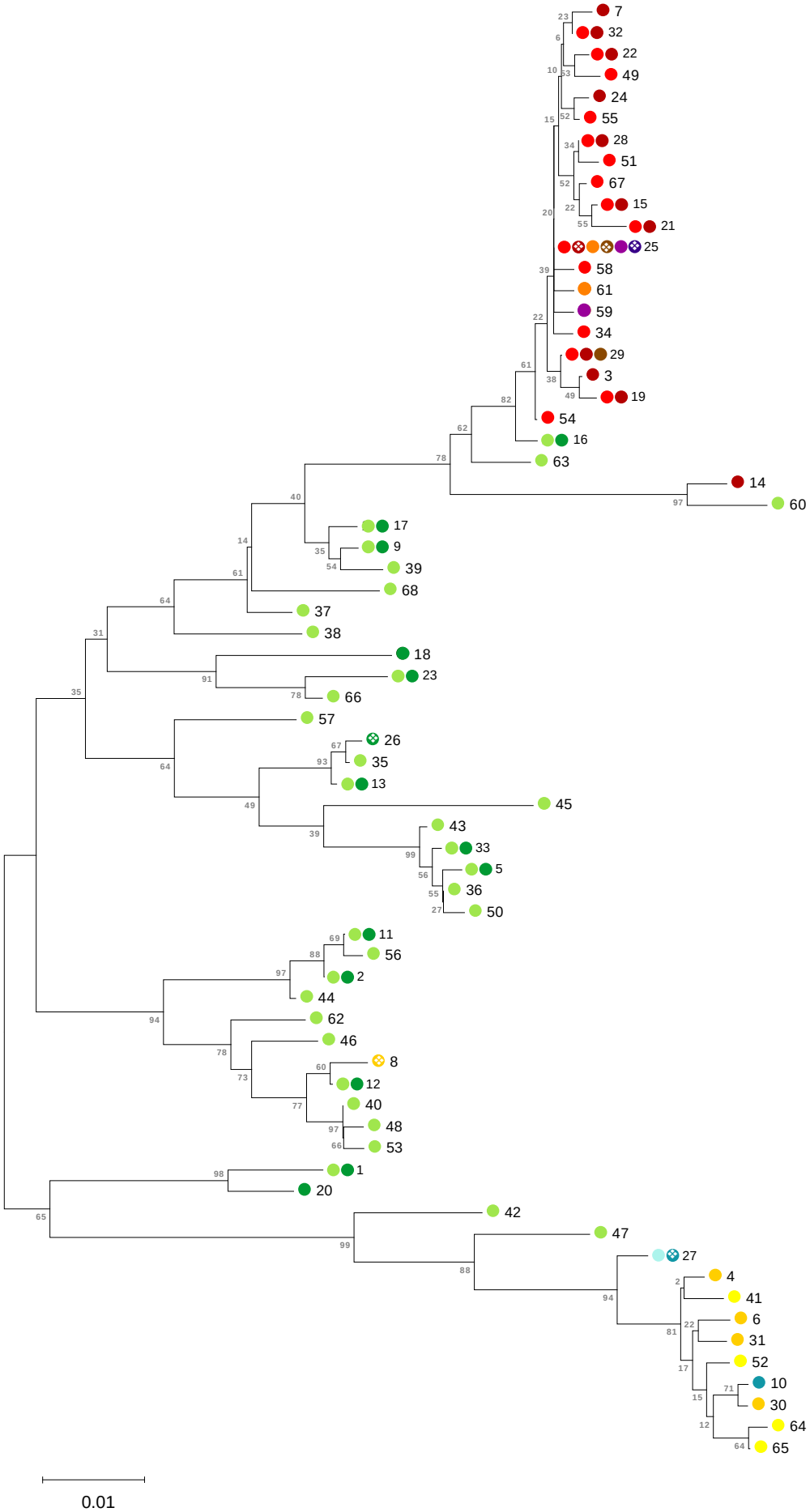

Figure S1f - *sodA*

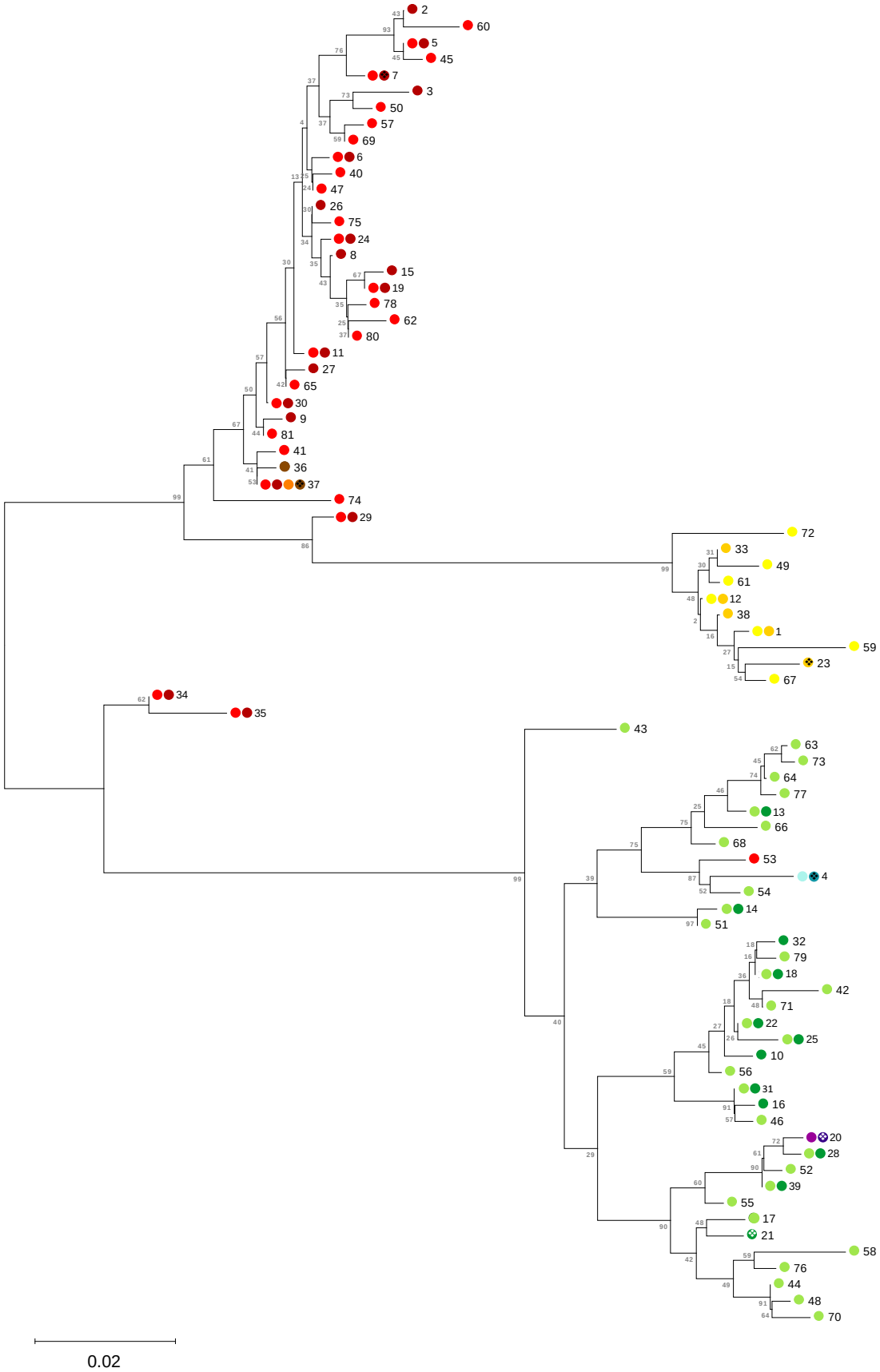

Figure S1g - *tuf*