

Table S1. Metrics of predicted genes in genomes of Symbiodiniaceae analyzed in this study.

Metric	<i>B. minutum</i>		<i>Cladocopium C92</i>		<i>S. microadriaticum</i>		<i>S. tridacnidorum</i>		<i>C. goreau</i>		<i>F. kawagutii</i>		
	α	β	α	β	α	β	α	β	α	β	α	β	
Number of genes	41920	32803	65832	33421	49012	29728	69018	25808	29299	39006	25109	31520	
Average gene length (bp)	11962	10069	8193	13207	12918	9281	8835	6467	7749	8428	6658	8836	
Average CDS length (bp)	2318	1930	1870	2201	2392	2218	2093	1425	1451	1625	1664	1838	
Transcript support (%)	91.5	89.4	61.9	78.4	76.5	79.2	66.9	82.6	81.7	76.5	67.7	69.0	
Genes with introns (%)	95.4	93.7	80.4	97.6	98.2	95.7	83.1	88.2	93.9	95.9	94.4	95.9	
Number of exons per gene	23.5	19.0	16.0	18.6	21.9	19.2	22.7	12.9	11.5	12.4	8.9	11.6	
Average exon length (bp)	98.6	101.4	117.0	118.1	109.3	115.4	92.0	110.3	125.9	130.4	185.4	158.1	
Number of introns per gene	22.4	18.0	14.8	17.6	20.9	18.2	21.5	11.9	10.5	11.4	7.9	10.6	
Average intron length (bp)	516.8	451.3	607.6	623.8	504.6	387.9	509.7	423.1	598.7	593.5	626.3	658.4	
Splice donor motif (%)	GT	48.2	43.9	47.0	41.6	26.0	26.0	33.8	24.6	36.1	35.7	44.5	39.5
	GC	36.6	37.9	41.4	41.4	52.1	54.1	55.5	57.2	43.1	43.3	36.0	39.6
	GA	15.2	18.2	11.7	17.0	21.8	19.9	10.7	18.2	20.6	20.8	19.4	20.7
Splice acceptor with AGG motif (%)	95.6	96.4	95.1	95.2	96.2	96.4	95.4	97.0	96.3	96.3	94.7	95.3	
Number of intergenic regions	32429	25383	58946	28504	42232	26713	55407	18677	17340	24243	20245	26276	
Average intergenic region length (bp)	1993	5984	2062	6337	3627	15110	1808	13545	12616	9539	24249	18051	