

Species/Taxon	Strain	mRNA	mRNA accession	gDNA	gDNA accession
<i>A. affine</i>	CCMP112	139-1031	JX995111	661-1031	JX995112
<i>A. andersoni</i>	CCMP2222	-		664-1062	JX995113
<i>A. catenella</i>	CCMP1493	85-1047	JX995114	208-1017	JX995115
<i>A. catenella</i>	ACCC01	-		238-1031	JX995116
<i>A. fundyense</i>	CCMP1719	1-1125	JX995117	127-1019	JX995118
<i>A. insuetum</i>	CCMP2082	139-1019	JX995119	214-1019	JX995120
<i>A. minutum</i>	CCMP113	1-1125	JX995121	220-1019	JX995122
<i>A. minutum</i>	CS320/01	-		241-1017	JX995123
<i>A. minutum</i>	CS324/16	-		241-1020	JX995124
<i>A. tamarensis</i>	CCMP1771	139-1020	JX995125	138-1020	JX995126
<i>A. tamarensis</i>	ATEB01	-		214-641	JX995127
<i>G. catenatum</i>	CCMP1937	676-1050	JX995128	-	
# <i>A. catenella</i>	ACCC07	1-723	EX463008		
# <i>A. tamarensis</i>	CCMP1598	593-1125	CK786100, CK782453		
# <i>A. tamarensis</i>	CCMP1598	508-1125	JV310276		
# <i>A. tamarensis</i>	-	1-1113	SRX111568		

Supplemental Table 1. *SxtG* amplification table of dinoflagellate species/strains used in this study. The numbers shown represent the (partial) sequence length and where this correlates to the *sxtG* ORF (intron excluded): 5'-(0-1125 bp)-3'. Additionally accession numbers are provided. – Denotes, not tested. # Denotes sequence not amplified from this study.