

Table 1 List of primers for real-time- and multiplex PCR.

Primer set name	Target species	Target gene	Primer name	Primer sequences (5' - 3')	Location in LSU or SSU	Amplicon size (bp)
ARDE	<i>S. ardens</i>	LSU	ARDE-F	GTTAATCGACGTGTTATCG	120	51
			ARDE-R	GCCGACAATGCTTCTATAA	159	
COST	<i>S. costatum</i> s.s.	LSU	COST-F	TCAGCATTGGCTTGATCT	505	79
			COST-R	TCCAGGATATGAAAGAGTGG	567	
GRET	<i>S. grethae</i>	LSU	GRET-F	ATTTGAACTTGCGAGGTC	1971	114
			GRET-R	CCAAGGAAGTCCGAAGGG	2067	
GREV	<i>S. grevillei</i>	LSU	GREV-F	TGGAAGCGAATGAAACAAGT	425	163
			GREV-R	CGACCCAGAACATGAATAAT	568	
JAPO	<i>S. japonicum</i>	LSU	JAPO-F	CTTGATTTGATGCTGCGA	1971	70
			JAPO-R	TCCGAAGGAAGTCCGAA	2025	
MADO	<i>S. marinoi-dohrnii</i> complex	SSU	MADO-F	AATTGCATGACCACGTGT	262	408
			MADO-R	CAAACAGAGTTTGTGGTCAGT	649	
MENZ	<i>S. menzelii</i>	LSU	MENZ-F	TCCCTGATTTGATGTTGC	1969	78
			MENZ-R	GACCTTCCGAAGAGAGT	2030	
POTA	<i>S. potamos</i>	LSU	POTA-F	GTCAGCATTGGCTTGACTT	504	84
			POTA-R	CAACCCAGGATATGAAGAGT	588	
PCOS	<i>S. pseudocostatum</i>	LSU	PCOS-F	GAGTCCGGGTTAACTGTATTG	182	71
			PCOS-R	CGCAACAARTCCAGGCAT	236	
TROP	<i>S. tropicum</i>	LSU	TROP-F	GAATCTGGGTTAAGTGCATTG	182	72
			TROP-R	GCACAACAAATCTAGGCAT	237	

Positions of 28S and 18S are based on the sequences aligned with Y11512 and AJ632215, respectively.

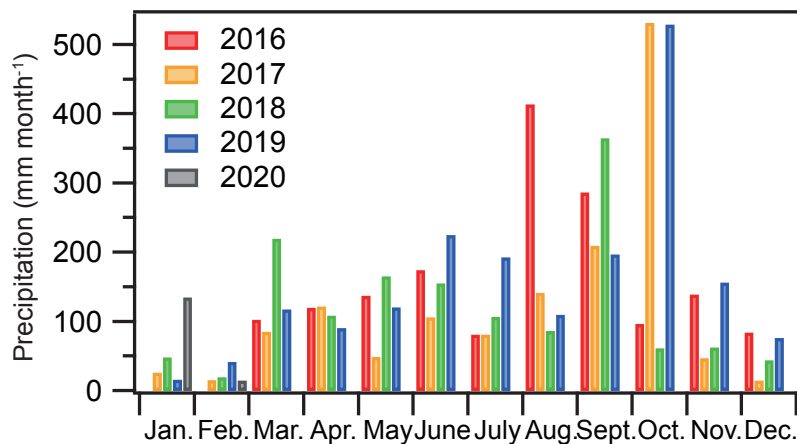


Fig. S1. Precipitation at Tokyo meteorological station.