Tabel S1*;* Independent Samples T-test to test the difference between the biomasses on day 1 compared to the biomasses on day 21 for *S.latissima* and *A. esculenta* male and female gametophyte cultures.

Independent Sample Test

		t-test for Equality of Means						
							95% Confidence Interval of the Difference	
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
S.latissima Female biomass (mg . ml-1 DW)	Equal variances assumed	-3.598	4	**.023**	-.3744	.1040	-.6632	-.0855
	Equal variances not assumed	-3.598	2.832	**.040**	-.3744	.1040	-.7168	-.0319
S.latissima male biomass (mg . ml-1 DW)	Equal variances assumed	-1.536	4	**.199**	-.13715	.08931	-.38510	.11081
	Equal variances not assumed	-1.536	2.039	**.262**	-.13715	.08931	-.51449	.24020
A.esculenta female biomass (mg . ml-1 DW)	Equal variances assumed	-16.722	4	**.000**	-.52778	.03156	-.61541	-.44015
	Equal variances not assumed	-16.722	4.000	**.000**	-.52778	.03156	-.61542	-.44015
A.esculenta male biomass (mg . ml-1 DW)	Equal variances assumed	-6.513	4	**.003**	-.79271	.12172	-1.13065	-.45476
	Equal variances not assumed	-6.513	3.886	**.003**	-.79271	.12172	-1.13458	-.45083

*differences are significant at 0.05

Table S2; Robust test of variance for the effects of sex ratio on the reproductive success of *S.latissima* gametophytes (Fig. 4. 3; Welch ANOVA), after not passing the test of homogeneity of variances.

Robust Tests of Equality of Means

Reproductive success (sporophytes · ml-1)

	Statistic[a]	df1	df2	Sig.
Welch	7.601	4	55.047	.000

a. Asymptotically F distributed.

Table S3; Robust test of variance for the effects of sex ratio on the reproductive success of *A.esculenta* gametophytes (Fig. 4. 3; Welch ANOVA), after not passing the test of homogeneity of variances.

Robust Tests of Equality of Means

Reproductive success (sporophytes · ml-1)

	Statistic[a]	df1	df2	Sig.
Welch	7.539	4	56.785	.000

a. Asymptotically F distributed.