

**Table S3. Nested ANOVA of sex ratio and male competitive performance under 2androdioecy.**

Treatment	Phenotype	Source	d.f.	Sum-of-Squares	Mean Squares	F	p
Without initial diversity	Sex ratio	block	2	0.02	0.01	0.83	0.47
		generation	9	0.11	0.013	1.52	0.25
		replicate	12	0.1	0.008	32.21	<0.001
		error	20	0.005	0.0003		
		adj.R <sup>2</sup> =95.5%					
	Male competitive performance	block	2	0.09	0.05	0.39	0.69
		generation	9	1.28	0.14	1.18	0.39
		replicate	12	1.46	0.12	4.54	<0.001
		error	60	1.6	0.03		
		adj.R <sup>2</sup> =51.8%					
With initial diversity	Sex ratio	block	2	0.005	0.002	0.79	0.48
		generation	9	0.03	0.003	0.99	0.5
		replicate	11	0.04	0.003	1.67	0.2
		error	12	0.02	0.002		
		adj.R <sup>2</sup> =23.5%					
	Male competitive performance	block	2	0.02	0.008	0.17	0.85
		generation	3	0.48	0.05	0.97	0.51
		replicate	12	0.67	0.06	3.65	0.001
		error	52	0.79	0.02		
		adj.R <sup>2</sup> =43.4%					