Supporting Information

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Table S1. Factors removed from ANOVAs showing the effect on gamete traits of manipulating adult density for 1 month in the field

Source	df	Mean squares	F	P
Total egg area				
Treatment × Run × Adult	2	3 341 297.981	0.712	0.499
Treatment × Run	2	4 474 489.254	0.971	0.390
Treatment × Adult	1	1 205 419.574	0.261	0.613
Run × Adult	2	2 990 951.907	0.649	0.529
Adult	1	65 086.858	0.014	0.905
Ovicell area				
Treatment × Run × Adult	2	669 190.425	0.897	0.419
Treatment × Run	2	579 978.614	0.782	0.466
Treatment × Adult	1	564 127.074	0.761	0.390
Run × Adult	2	202 477.213	0.273	0.763
Adult	1	159 426.441	0.221	0.641
Follicle cell area				
Treatment × Run × Adult	2	1 077 406.547	0.448	0.643
Treatment × Run	2	2 966 846.863	1.278	0.292
Treatment × Adult	1	120 292.490	0.052	0.821
Run × Adult	2	2 083 775.516	0.898	0.417
Adult	1	20 782.436	0.009	0.925
Sperm size				
Treatment × Run	1	0.166	1.616	0.218
Sperm motility				
Treatment × Run	1	640.670	2.689	0.112
Sperm longevity				
Treatment × Run	1	466.705	1.332	0.278
Sperm fertilization success				
Treat × Run × Sperm dilution	3	179.203	0.269	0.848
Treatment × Run	1	132.894	0.208	0.650
Run × Sperm dilution	3	137.130	0.215	0.886

Treatment = high density (15 individuals per cage), low density (1 individual per cage); Adult = length of animal.