The following supplement accompanies the article

Whelks induce an effective defense against sea stars

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Supplement. Summary tables for statistical analyses of experimental and field data

Table S1. ANCOVA results for the induction experiment, in which we exposed individuals of *Nucella lamellosa to* water-borne cues of *Pisaster ochraceus* to determine whether seastars affected the retractability, aspect ratio of the shell, and wet weight of whelks

Factor	DF	Sum of squares	*F* value	p value
Retractability				
Initial retractability	1	8.62	23.99	0.0003
Sea star	1	4.78	13.28	0.002
Residuals	13	4.67		
Aspect ratio				
Initial aspect ratio	1	0.0203	10.56	0.006
Sea star	1	0.001	0.27	0.61
Residuals	13	0.025		
Wet weight				
Initial wet weight	1	4.6888	221.1744	< 0.0001
Sea star	1	0.0085	0.4018	0.54
Residuals	13	0.2756		
Shell length				
Initial shell length	1	25.64	435.03	< 0.0001
Sea star	1	0.001	0.02	0.89
Residuals	13	0.77		

Table S2. Results from the linear, mixed-effect models to test whether retractability was related to the tenacity, force to dislodge an individual, and area and shape of the foot when attached. All models included site as a random effect

Model	DF	–Log likelihood	AIC
Tenacity			
Length + retractability	5	–1796.4	3602.8
Length	4	–1798.8	3605.6
Null	3	–1802.3	3610.7
Force to dislodge an individual			
Length	4	–164.0	336.0
Length + retractability	5	–164.0	338.0
Null	3	–208.2	432.5
Area of the foot			
Length + retractability	5	–6.2	22.4
Length	4	–8.3	24.7
Null	3	–82.2	171.5
Shape of the foot			
Null	3	44.85	–83.7
Length	4	45.43	–82.9
Length + retractability	5	45.91	–81.8

Table S3. Standardized beta coefficients of the linear, mixed-effect models showing the relative effects of retractability and length to predict tenacity, force to dislodge an individual, and area and shape of the foot when attached

Response	Predictor	β coefficient
Tenacity	Retractability	–0.39
	Length	0.14
Force to dislodge an individual	Retractability	0.0002
	Length	0.65
Foot area	Retractability	0.25
	Length	0.57
Foot shape	Retractability	0.17
	Length	–0.24