

Table S1. Comparison of relative luminescence between pulse courtship displays, defensive displays and total available stores as percentage of total of the mean for each category

A	Mean total	Mean defense	Mean courtship	Mean pulse 1	Mean train pulse
Mean total	100	10.14	0.22/0.29	0.08	0.01
Mean defense		100	2.27/2.95	0.83	0.1
Mean courtship			100	36.24/27.9	4.27/3.29
Mean pulse 1				100	11.79
Mean train pulse					100
B	Max. total	Max. defense	Max. courtship	Max. pulse 1	Max. train pulse
Max. total	100	25.36	0.24/0.33	0.09	0.01
Max. defense		100	0.93/1.32	0.35	0.06
Max. courtship			100	37.3/26.34	5.95/4.2
Max. pulse 1				100	15.94
Max. train pulse					100
C	Max. total	Max. defense	Max. courtship	Max. pulse 1	Max. train pulse
Mean total	179.53	45.53	0.42/0.6	0.16	0.03
Mean defense		466.54	4.34/6.15	1.62	0.26
Mean courtship			191.51/208.81	71.44/55	11.39/8.77
Mean pulse 1				197.14	31.43
Mean train pulse					266.67
D	Mean total	Mean defense	Mean courtship	Mean pulse 1	Mean train pulse
Max. total	55.70	5.44	0.12/0.16	0.04	0.01
Max. defense		21.43	0.49/0.63	0.18	0.02
Max. courtship			52.22/47.89	18.92/13.36	2.23/1.57
Max. pulse 1				50.72	5.98
Max. train pulse					37.50

The first of the two numbers in the courtship rows and columns correspond to the output of a 12-pulse display (the mean found in the laboratory and field), and the second a 19-pulse display (the maximum observed in the field). (A) Comparisons among mean outputs. (B) Comparisons among maximum values recorded. (C) Comparisons between maximum outputs recorded and mean values. (D) Comparisons between mean outputs and maximum outputs recorded.