

Time (weeks)	1st experiment										2nd experiment																
	C1	C2	C3	C4	C5	FD1	FD2	FD3	FD4	FD5	C1	C2	C3	C4	C5	FD1	FD2	FD3	FD4	FD5	WD1	WD2	FWD1	FWD2	FWD3	FWD4	FWD5
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	101.9	97.3	110.2	102.2	109.7	100.0	96.8	97.9	101.5	93.8	96.4	105.1	92.6	93.9	102.0	106.3	92.7	94.6	99.8	102.8	92.0	79.2	79.8	90.2	74.3	79.7	92.7
6	101.5	96.8	106.6	105.0	118.1	103.3	106.1	100.2	100.3	96.3	99.2	114.6	96.4	102.6	111.7	89.9	94.5	63.4	80.0	96.2	97.1						
8	102.2	100.8	107.8	106.3	124.3	101.9	104.8	98.4	99.2	97.2	103.2	125.3	99.1	102.6	107.8	89.7	90.6	86.6	84.7	98.8							
10	105.3	96.8	106.8	105.0	127.1	101.8	108.4	99.3	96.7	98.5	102.3	111.9	98.4	117.1	107.0	88.4	88.0	78.6	85.7	90.1							
12	107.1	94.8	99.4	99.4	119.1	97.1	100.0	91.5	83.8	95.3	105.7	119.0	102.4	116.9	110.4	88.4	87.2	85.1	87.7	98.8							
14	110.8	94.9	104.9	105.7	127.1	90.9	92.5	88.8	81.7	91.5	105.8	112.4	104.1	121.7	115.7	85.3	85.8	81.6	86.0	93.5							
16	106.1	95.5	106.9	100.3	119.9	89.7	89.8	87.7	78.4	96.8	109.5	114.0	107.9	122.7	114.4	84.5	82.8	79.8	84.6	97.4							
19	102.5	97.7	103.4	107.8	125.2	93.8	91.3	89.7	76.3	90.1	107.2	113.7	105.1	125.0	120.4	85.3	80.2	80.4	80.8	105.3							
21	104.4	95.4	100.4	107.0	121.1	88.9	96.0	88.2	73.3	85.5	108.4	114.4	108.8	124.4	113.8	85.1	73.5	79.5	84.7	103.8							
24	105.2	89.5	99.1	108.3	139.8	81.3	89.8	83.4	71.2	99.4	105.7	113.7	108.6	131.5	113.7	92.5	81.9	89.9	83.4	99.0							
26	103.1	93.8	96.7	108.6	140.8	88.5	87.3	87.5	84.0	99.4	111.6	115.6	106.1	128.5	110.2	96.1	77.2	108.0	88.4	94.0							
28	102.5	95.7	95.7	96.0	136.3	88.5	86.0	86.0	81.5	96.4	107.9	115.1	108.1	124.9	112.7	100.0	80.7	95.9	86.3	106.3							
30	98.4	83.5	90.3	107.9	127.5	86.2	90.5	76.3		111.9	99.5	114.1	102.2	118.1	112.1	96.1	80.1	0.0	83.1	106.0							
34	108.0	95.9	90.1	104.0	130.2	80.6	88.6	69.1		105.5	98.1	111.7	98.5	115.3	113.7	93.0	82.7	0.0	85.4	126.8							
36	107.6	87.3	93.9	102.6	129.9	85.1	87.1	70.6		105.9	99.0	114.4	105.0	120.9	115.1	93.8	86.6	0.0	83.1	113.8							
38	105.8	93.6	105.4	102.3	134.3	89.2	96.6	67.4		103.6	88.0	105.6	95.0	116.6	106.5	85.3	76.4	0.0	70.1	111.2							
40	101.6	95.4	96.2	106.5	133.5		81.5	67.8		101.4	96.3	107.2	93.8	118.3	100.6	89.9	78.7	0.0	73.9	107.7							
42	103.3	93.6	95.7	98.1	140.9		80.6	62.6		94.1	91.6	99.8	96.0	117.2	100.6	82.2	74.0	0.0	78.5	105.1							
48	123.5	115.0	110.2	112.0	144.8			59.2			94.5	99.9	97.4	112.8	102.0	75.2											
50											98.5	102.6	94.0	111.0	104.4	74.4											
52											91.5	103.0	96.7	114.5	99.5	82.9											
54											104.2	106.6	107.9	116.7	105.2	89.9											
55											91.9	103.4	91.2	111.1	99.1	80.6											
57											93.5	92.1	98.9	113.9	96.3	69.1											

S2 Table: Average scorpion weight variation. See below for complete caption.

Time (weeks)	3rd experiment																	Mean ± SEM								
	C1	C2	C3	C4	C5	FD1	FD2	FD3	FD4	WD1	WD2	WD3	WD4	WD5	WD6	WD7	WD8	FWD1	FWD2	FWD3	FWD4	FWD5	C	FD	WD	FWD
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 ± 0	100 ± 0	100 ± 0	100 ± 0
2	92.3	97.8	91.0	103.7	88.5	99.0	79.7	99.1	97.2	92.1	89.7	81.3	85.9	70.0	97.2	64.3	75.3	78.9	75.4	64.8	77.1	72.1	98.969 ± 1.444	97.241 ± 1.091	82.692 ± 2.741	78.507 ± 1.826
6	104.8	101.0	91.8	103.2	86.6	102.3	81.6	91.2	89.6				79.5		85.7		73.3						102.657 ± 1.561	92.507 ± 2.257	83.919 ± 3.746	
8	105.0	101.8	92.8	95.4	99.3	98.0	78.2	88.6	83.0						81.3								104.905 ± 1.621	92.822 ± 1.847	81.272 ± 0	
10	105.0	105.5	93.6	99.7	101.3	94.8	79.1	83.0	84.7						71.6								105.520 ± 1.455	91.224 ± 1.996	71.555 ± 0	
12	101.6	106.9	94.9	98.1	102.2	93.3	77.0	84.4	81.3						69.8								105.190 ± 1.678	89.361 ± 1.521	69.788 ± 0	
14	102.6	103.0	96.5	96.3	100.0	97.2	78.0	84.5	83.2														106.776 ± 1.857	87.187 ± 1.196		
16	106.4	105.3	104.5	100.5	105.3	101.0	76.9	83.5	80.8														107.937 ± 1.403	86.691 ± 1.614		
19	100.3	108.9	96.3	96.1	105.9	91.7	60.8	101.6	83.8														107.693 ± 1.886	86.500 ± 2.213		
21	100.0	104.6	97.1	98.6	106.4	82.4	56.4	92.0	97.0														106.991 ± 1.687	84.732 ± 2.243		
24	116.8	106.3	91.2	102.9	101.5	77.8	45.5	81.8	56.4														108.924 ± 2.442	80.940 ± 2.786		
26	98.7	104.1	89.0	94.0	117.9	72.7	48.1	79.4															107.920 ± 2.680	85.431 ± 2.804		
28	96.4	109.1	100.3	96.0	115.0	72.0	48.1	86.6															107.446 ± 2.392	85.704 ± 2.584		
30	92.9	105.9	92.2	93.6	127.7	67.4	45.5	116.1															104.389 ± 2.842	79.924 ± 6.279		
34	101.1	119.0	94.7	97.2	125.9	82.0	46.3	96.1															106.897 ± 2.599	79.674 ± 5.945		
36	104.3	116.6	98.7	102.2	132.3	115.1	44.6	95.1															108.651 ± 2.660	81.737 ± 6.257		
38	109.0	121.4	98.6	98.7	138.4	119.7	42.8																107.952 ± 2.750	78.405 ± 7.416		
40	87.2	122.1	91.7	97.4	135.6	129.8	43.7																105.558 ± 3.099	77.449 ± 7.868		
42	115.9	119.5	93.9	96.0	133.6	125.2	42.0																106.381 ± 3.280	74.432 ± 7.536		
48	104.2	112.7	94.8	85.3	121.4	105.9	35.8																108.696 ± 2.852	69.026 ± 10.759		
50	113.1	110.8	89.9	86.2	120.6	100.4	36.7																103.114 ± 2.805	70.500 ± 13.005		
52	120.6	116.4	87.0	84.4	118.2		36.7																103.174 ± 3.600	59.830 ± 16.346		
54	113.1	109.1	90.1	78.9	115.6																		104.743 ± 2.588	89.922 ± 0		
55																							99.354 ± 2.834	80.620 ± 0		
57																							98.939 ± 2.668	69.062 ± 0		

S2 Table: Average scorpion weight variation. Scorpion weight variation per group throughout the weeks of experiment (0-57). The weight is expressed as a percentage relative to the weight at the beginning of the experiment. Therefore, an increase in the number means that either an animal lighter than average died, increasing the group average, or that animals put on weight. A decrease in the number means that either a heavier than average animal died, decreasing the group average, or that animals lost weight. Experimental groups are divided in the three independent experiments conducted. The first experiment did not include water or food and water deprivation, hence the lower number of groups. C: Control; FD: Food deprivation; WD: Water deprivation; FWD: Food and water deprivation.