

S6 Table Set of raw data of glutathione S-transferase activity (in nKat/ mg protein) in amphipod species during exposure to gradual temperature changes.

Species: *E. verrucosus*
 Total number of animals 110
 Number of animals/analisis 1

Temperature, °C	0.5	1	2	3	4	5	6	9	11	13	15	17	19	21	23	25	27	29
Raw data, nKat/mg prot	2.4	3.7	2.9	3.3	4.2	3.3	4.2	4.5	4.2	2.2	4.2	4.1	4.3	3.2	2.5	2.8	3.9	3.6
	2.9	4.0	3.1	3.5	4.4	4.0	4.2	4.5	4.3	2.5	4.8	4.7	4.4	3.5	2.8	3.5	4.5	4.0
	3.1	4.1	3.5	4.0	4.6	4.4	4.5	5.0	4.4	3.2	5.1	4.9	4.4	4.4	3.1	3.9	4.7	4.2
	3.3	4.5	4.4	4.8	4.9	4.7	4.6	5.0	5.0	3.5	5.2	5.0	5.9	4.4	3.6	3.9	5.4	4.6
	3.5	4.6	5.0	5.7	5.2	5.3	4.9	5.2	5.5	3.8	5.8	5.0	6.0	4.6	3.8	4.1	5.6	4.9
	3.8			5.7	5.4	5.4	5.0	5.2	5.5	3.8		5.1	6.0	5.1				
	3.8						5.2	5.7				5.7						
							5.2	5.7										
							5.6											
							5.6											
							5.8											
							6.4											
N	7.0	5.0	5.0	6.0	6.0	6.0	12.0	8.0	6.0	6.0	5.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0
MEAN	3.3	4.2	3.8	4.5	4.8	4.5	5.1	5.1	4.8	3.1	5.0	4.9	5.2	4.2	3.2	3.6	4.8	4.3
SD	0.5	0.3	0.9	1.1	0.5	0.8	0.7	0.5	0.6	0.7	0.6	0.5	0.9	0.7	0.5	0.5	0.7	0.5

Species: *O. flavus*
 Total number of animals 192
 Number of animals/analisis 3

Temperature, °C	0.5	1	2	4	6	8	10	12	14	16	18	20	22
Raw data, nKat/mg prot	3.6	3.4	3.7	3.4	5.0	3.2	4.1	3.7	3.2	6.6	7.0	5.4	4.2
	4.5	3.9	3.9	3.9	5.2	3.8	4.5	4.2	4.6	6.8	6.7	5.7	6.1
	4.6	4.3	4.0	4.1	5.5	3.9	4.6	4.2	4.8	6.8	6.6	6.1	7.5
	5.5	4.3	4.2	4.6	5.5	4.1	4.6	4.2	4.8	6.8	6.5	6.1	9.0
	6.0	4.5		4.8	6.2	4.6	5.9	4.6	5.5	7.2	5.3	6.9	
				4.9									
N	5.0	5.0	4.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0
MEAN	4.8	4.1	3.9	4.3	5.5	3.9	4.7	4.2	4.6	6.8	6.4	6.1	6.7
SD	1.0	0.5	0.2	0.6	0.5	0.5	0.7	0.3	0.8	0.2	0.6	0.6	2.1

Species: *G. lacustris*
 Total number of animals 695
 Number of animals/analisis 5

Temperature, °C	0.5	1	2	3	4	5	6	9	11	13	15	17	19	21	23	25	27	29	31
Raw data, nKat/mg prot	2.0	2.0	1.6	1.6	2.0	2.1	2.0	1.8	1.5	2.0	1.7	2.0	1.7	2.1	1.8	1.4	2.4	1.6	1.2
	2.1	2.4	2.2	2.1	2.1	2.5	2.0	1.8	1.8	2.0	1.9	2.7	1.8	2.3	2.4	1.6	2.5	1.9	1.4
	2.1	2.4	2.4	2.1	2.3	2.6	2.0	2.6	2.1	2.3	2.2	2.8	2.0	2.4	2.4	2.2	2.8	2.2	1.5
	2.2	2.6	3.0	2.1	2.6	2.9	2.1	2.7	2.2	2.5	2.7	2.8	2.2	2.5	2.5	2.4	3.2	2.6	1.6
	2.7	2.9	3.4	2.3	2.7	3.0	2.2	2.7	2.3	2.5	2.8	3.0	2.5	2.7	2.7	2.5	3.6	2.7	2.2
	2.7			2.7	3.2	3.0	2.4	2.9	2.9	3.2	3.2	3.3	2.8	2.7	2.8	2.9	3.7	2.8	
	3.5			3.0		3.4	2.4	2.9	3.4	3.2	3.7	3.9	3.0	2.9	3.4	3.0	3.7		
	3.5			3.3		3.5	2.4	3.1											
	3.6						2.4												
							2.5												
							2.6												
							2.6												
							2.8												
							2.8												
							2.9												
							3.4												
N	9.0	5.0	5.0	8.0	6.0	8.0	16.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	5.0
MEAN	2.7	2.5	2.5	2.4	2.5	2.9	2.5	2.6	2.3	2.5	2.6	2.9	2.3	2.5	2.6	2.3	3.1	2.3	1.6
SD	0.7	0.3	0.7	0.5	0.4	0.5	0.4	0.5	0.6	0.5	0.7	0.6	0.5	0.3	0.5	0.6	0.6	0.5	0.4