

Table S2. *Post-hoc* tests for all parameters at both time points and for both groups

	Variable	LPS-challenge in lysozyme group			LPS-challenge in control group			Lysozyme at pre-challenge			Lysozyme at post-challenge*			Covariate
		Estimate \pm			Estimate \pm			Estimate \pm			Estimate \pm			
		s.e.	χ^2_1	P	s.e.	χ^2_1	P	s.e.	χ^2_1	P	s.e.	χ^2_1	P	
A	Body mass pre-MR	-4.40 \pm 2.51	3.08	0.080 [†]	-7.60 \pm 1.01	57.01	<0.001 [†]	-23.03 \pm 15.83	2.12	0.146	1.94 \pm 2.72	0.51	0.477	
B	% Body mass loss (post-minus pre-MR)	0.21 \pm 0.12	3.37	0.067	0.57 \pm 0.24	5.70	0.017	1.01 \pm 0.29	12.44	<0.001	-0.03 \pm 0.33	0.01	0.929	
C	Cloacal temperature	0.75 \pm 0.18	17.03	<0.001	0.47 \pm 0.22	4.64	0.031	-0.08 \pm 0.24	0.10	0.751	0.23 \pm 0.25	0.89	0.345	
D	Reactive oxygen metabolites	0.89 \pm 0.05	335.50	<0.001	0.74 \pm 0.07	121.89	<0.001	0.09 \pm 0.08	1.27	0.259	0.20 \pm 0.08	6.48	0.011	
E	Total antioxidant capacity	-0.67 \pm 3.91	0.03	0.865	-9.61 \pm 5.52	3.03	0.082	-1.82 \pm 6.28	0.08	0.772	7.88 \pm 5.70	1.91	0.167	
F	Haptoglobin	0.28 \pm 0.02	137.24	<0.001	0.16 \pm 0.03	34.04	<0.001	0.01 \pm 0.02	0.66	0.417	0.13 \pm 0.04	11.48	<0.001	
G	O ₂ consumption, mass specific	0.05 \pm 0.01	50.00	<0.001	0.03 \pm 0.01	8.99	0.003	0.06 \pm 0.02	7.62	0.006	0.03 \pm 0.01	5.79	0.016	
H	O ₂ consumption, whole body	20.28 \pm 3.04	44.46	<0.001	11.95 \pm 4.83	6.12	0.013	24.41 \pm 10.37	5.54	0.019	14.12 \pm 4.41	10.27	0.001	A
I	CO ₂ production, mass specific	0.03 \pm 0.01	15.23	<0.001	0.03 \pm 0.01	7.14	0.008	0.06 \pm 0.02	8.24	0.004	0.02 \pm 0.02	2.00	0.157	
J	CO ₂ production, whole body	14.02 \pm 3.72	14.20	<0.001	10.00 \pm 4.14	5.82	0.016	23.49 \pm 9.14	6.60	0.010	9.88 \pm 6.19	2.55	0.111	A
K	RQ (nightly mean)	-0.01 \pm 0.01	0.84	0.360	0.00 \pm 0.01	0.14	0.712	0.02 \pm 0.01	3.86	0.049	-0.004 \pm 0.01	1.14	0.712	

*Pre-challenge measurement included as covariate for all post-challenge *post-hoc* analyses.[†]Reflects an initial difference between time points, not effects of LPS challenge *per se*.