

Age-related response to an acute innate immune challenge in mice: proteomics reveals a telomere maintenance-related cost.

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Electronic Supplementary Material 4: Western Blot raw data

Table S4

Variables	Group size	Mean values \pm SEM	ANOVA p-values	Pairwise comparisons	Tukey p-values
(a) TIN2					
Young PBS	4	1.00 \pm 0.05			
Young LPS	5	1.45 \pm 0.28	0.02217	Young LPS vs. Old PBS	0.0286
Old PBS	4	0.65 \pm 0.15		Young LPS vs. Old LPS	0.0410
Old LPS	5	0.74 \pm 0.05			
(b) TRF1					
Young PBS	4	1.00 \pm 0.10			
Young LPS	5	0.79 \pm 0.16	0.44504	-	-
Old PBS	4	1.05 \pm 0.20			
Old LPS	5	1.21 \pm 0.24			
(c) TRF2					
Young PBS	4	1.00 \pm 0.10			
Young LPS	5	1.00 \pm 0.09	0.39525	-	-
Old PBS	4	0.73 \pm 0.10			
Old LPS	5	1.21 \pm 0.30			
(d) POT1					
Young PBS	4	1.00 \pm 0.11	0.55123	-	-
Young LPS	5	1.23 \pm 0.28			

Old PBS	4	1.51 ± 0.25			
Old LPS	5	1.47 ± 0.32			
(e) RAP1					
Young PBS	4	1.00 ± 0.08			
Young LPS	5	1.34 ± 0.19	0.43849	-	-
Old PBS	4	1.48 ± 0.27			
Old LPS	5	1.49 ± 0.27			

Descriptive statistics on Western blot signals in splenocytes of old (12 months) and young (1 month) mice challenged with LPS or PBS. Concerning post-hoc Tukey tests, only significant p-values are given. Representative blots for protein levels of telomeric repeat-binding factor 1 (TRF1), telomeric repeat-binding factor 2 (TRF2), protection of telomeres protein 1 (POT1), telomeric repeat-binding factor 2-interacting protein 1 (RAP1) are shown in ESM5 and that of TRF1-interacting nuclear factor 2 (TIN2) is shown in Figure 3.