

# **Extreme lifespan is not associated with levels of molecular damage in ant queens.**

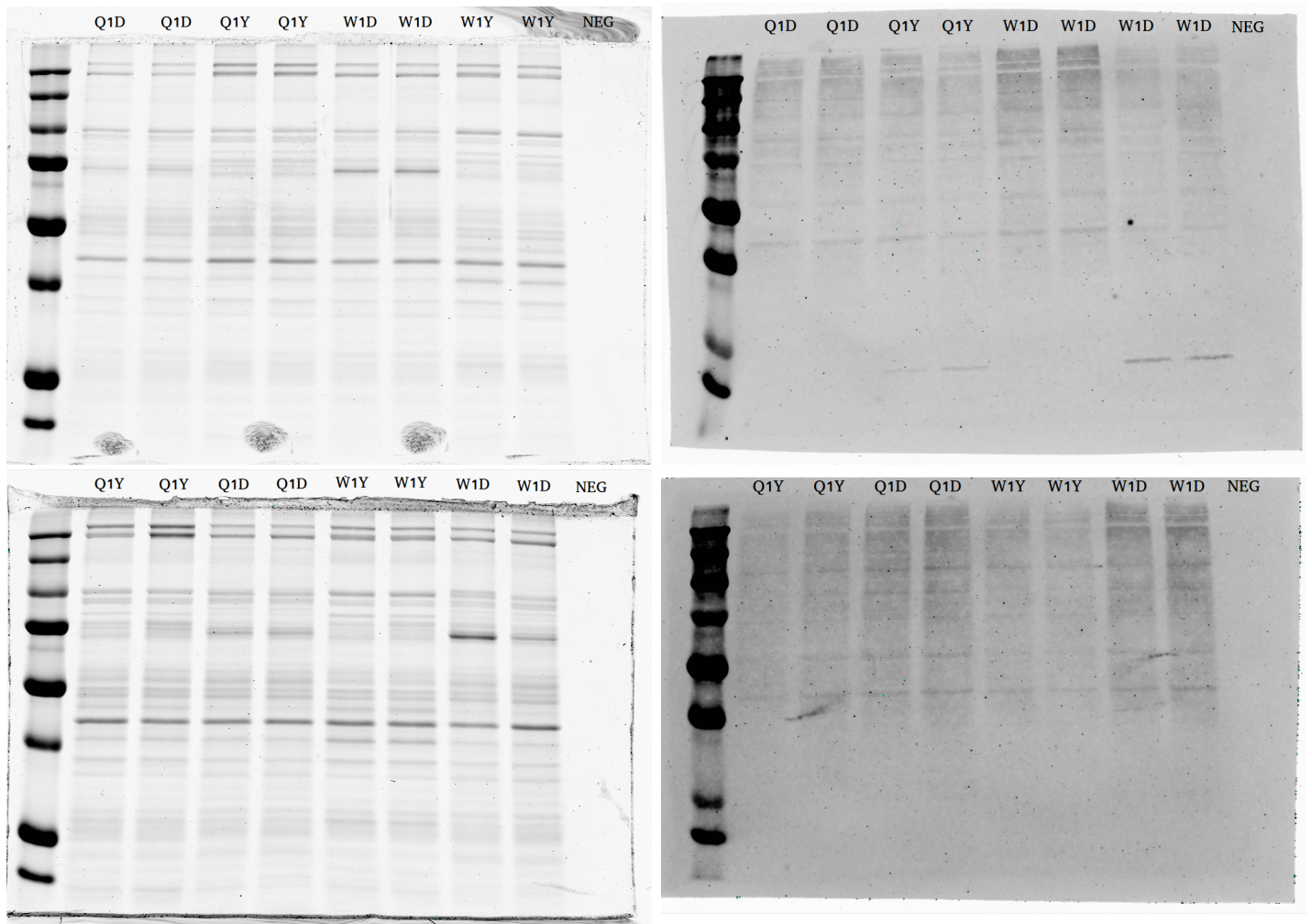
Eric R. Lucas\*; Maria Augustyniak; Andrzej Kędziorowski; Laurent Keller

\* Corresponding author

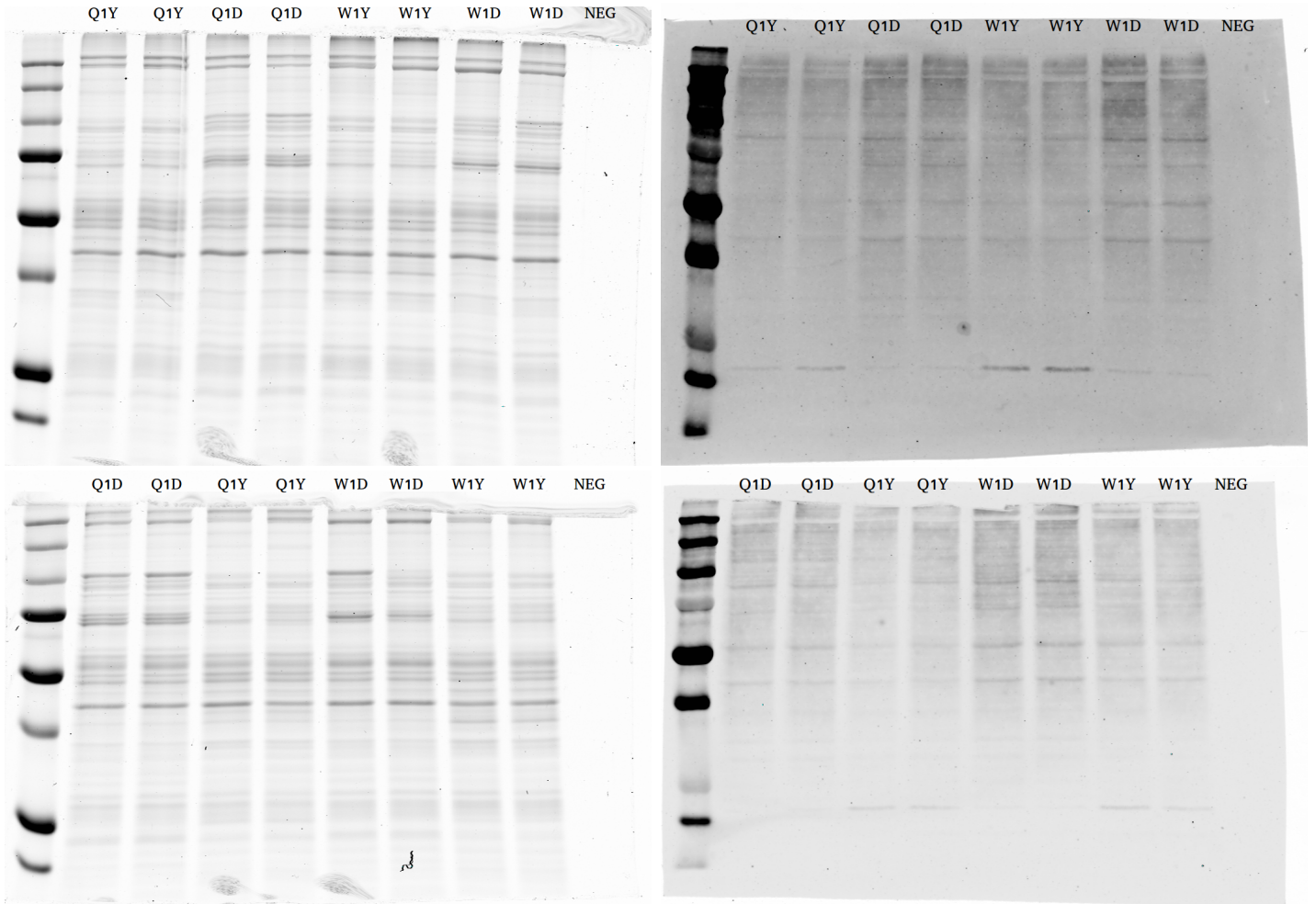
Department of Vector Biology, Liverpool School of Tropical Medicine, Pembroke Place,  
Liverpool, L3 5QA, UK. Eric.Lucas@lstmed.ac.uk

## **Electronic Supplementary Material**

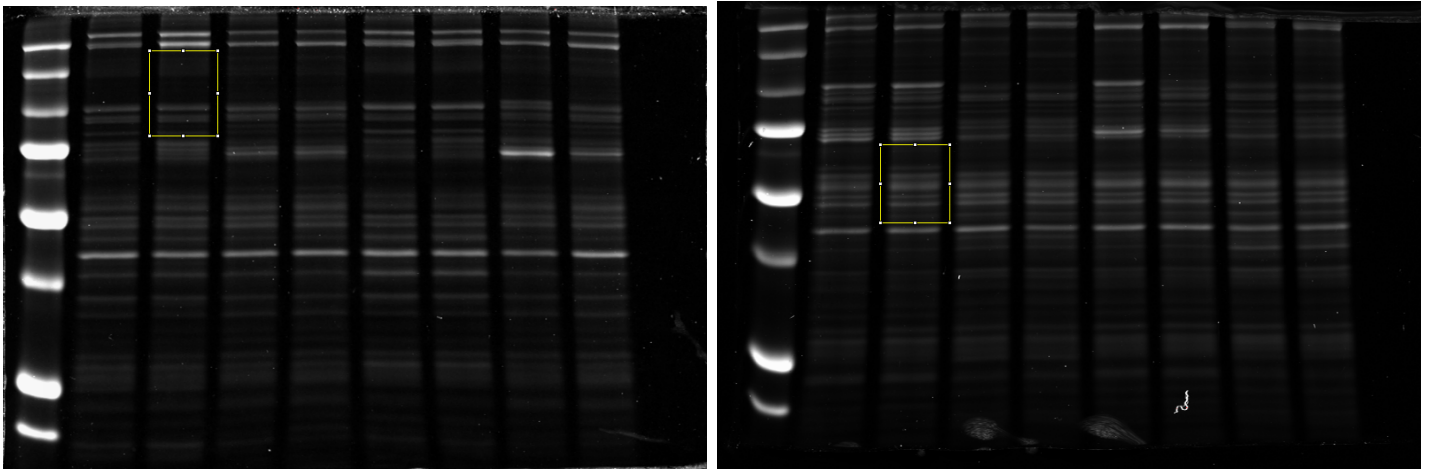
### **Supplementary figures**



**Fig. S1:** Coomassie staining (left) and Western blotting for ubiquitin (right) of protein extractions from legs. Each row of images corresponds to two gels run in parallel with the same samples. The Coomassie-stained gels were used as controls for the total amount of loaded protein. Q1D = 1-day-old queen; Q1Y = 1-year-old queen; W1D = 1-day-old worker; W1Y = 1-year-old worker, NEG = Negative Control.



**Fig. S2:** Coomassie staining (left) and Western blotting for ubiquitin (right) of protein extractions from heads. Each row of images corresponds to two gels run in parallel with the same samples. The Coomassie-stained gels were used as controls for the total amount of loaded protein. Q1D = 1-day-old queen; Q1Y = 1-year-old queen; W1D = 1-day-old worker; W1Y = 1-year-old worker, NEG = Negative Control.



**Fig. S3:** Examples of Coomassie gel after image processing, illustrating the size of the region used for densitometry analysis for a given sample. The same region was used in all samples of the same tissue for both the Coomassie gel and Western Blot.