

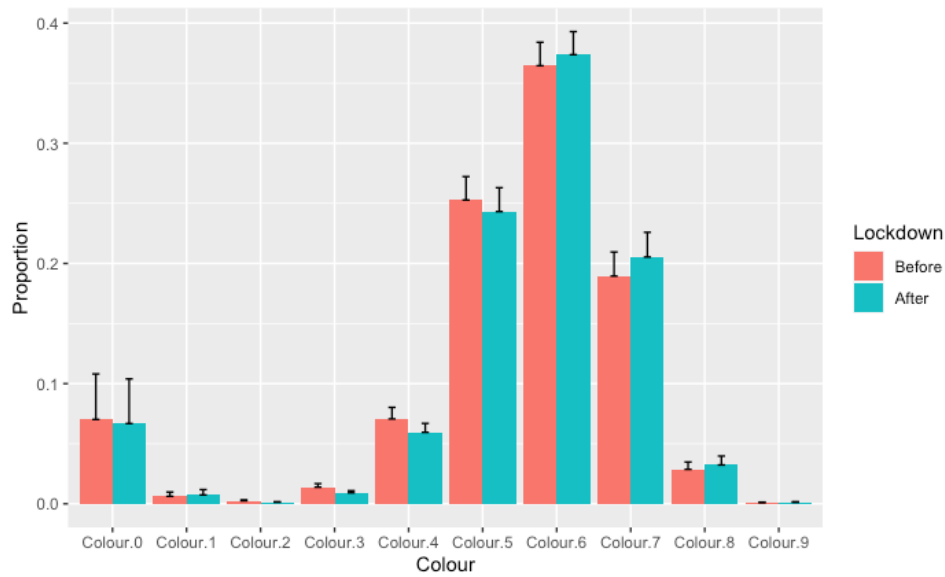
1 **Supplementary material**



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3 **Figure S1. Photographs of transport crates used in the isolation treatment.**

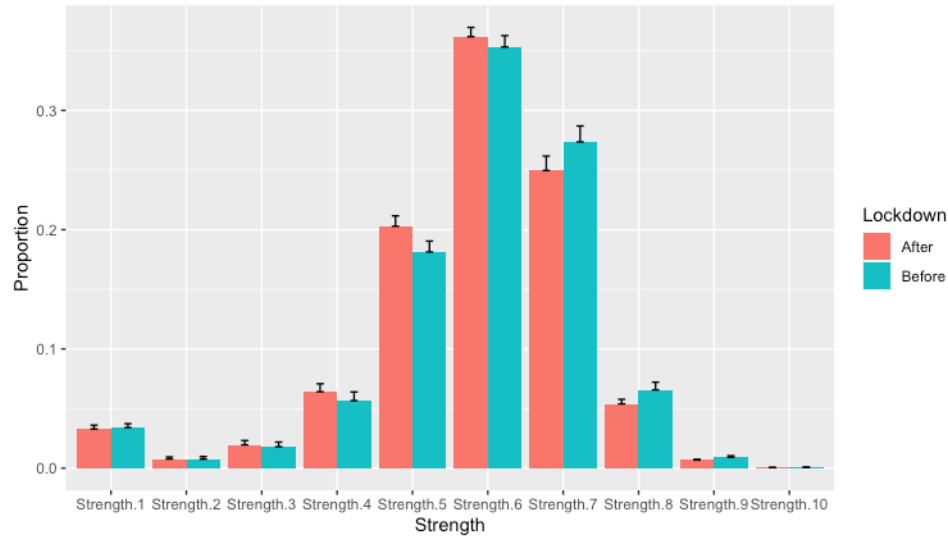
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6 **Figure S2. Distributions of colour of eggshells recorded from five flocks before and after the housing order where**  
7 **access to range was withdrawn.**

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10 **Figure S3. Distributions of eggshell strength recorded from five flocks before and after the housing order where**  
 11 **access to range was withdrawn.**

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