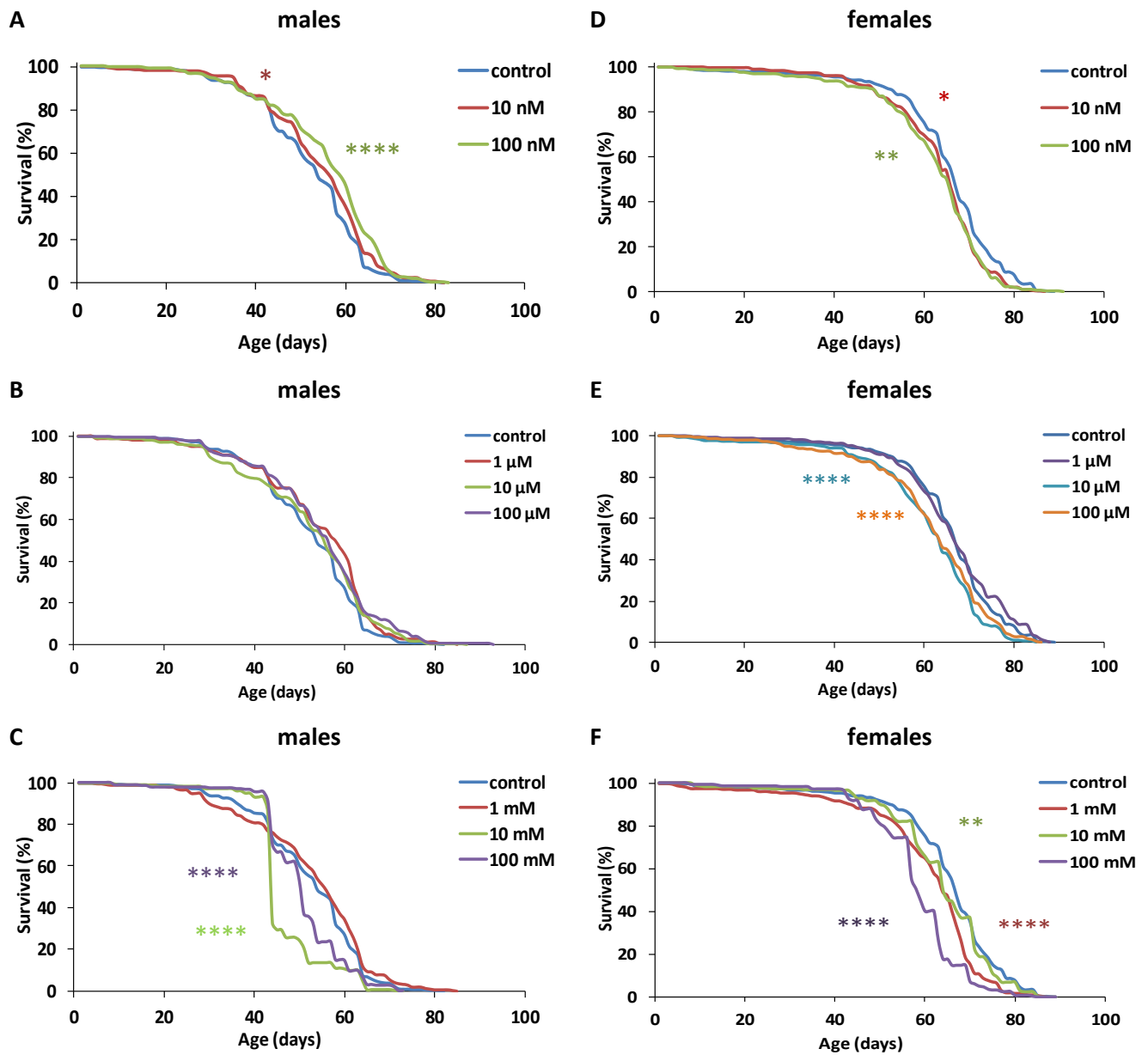
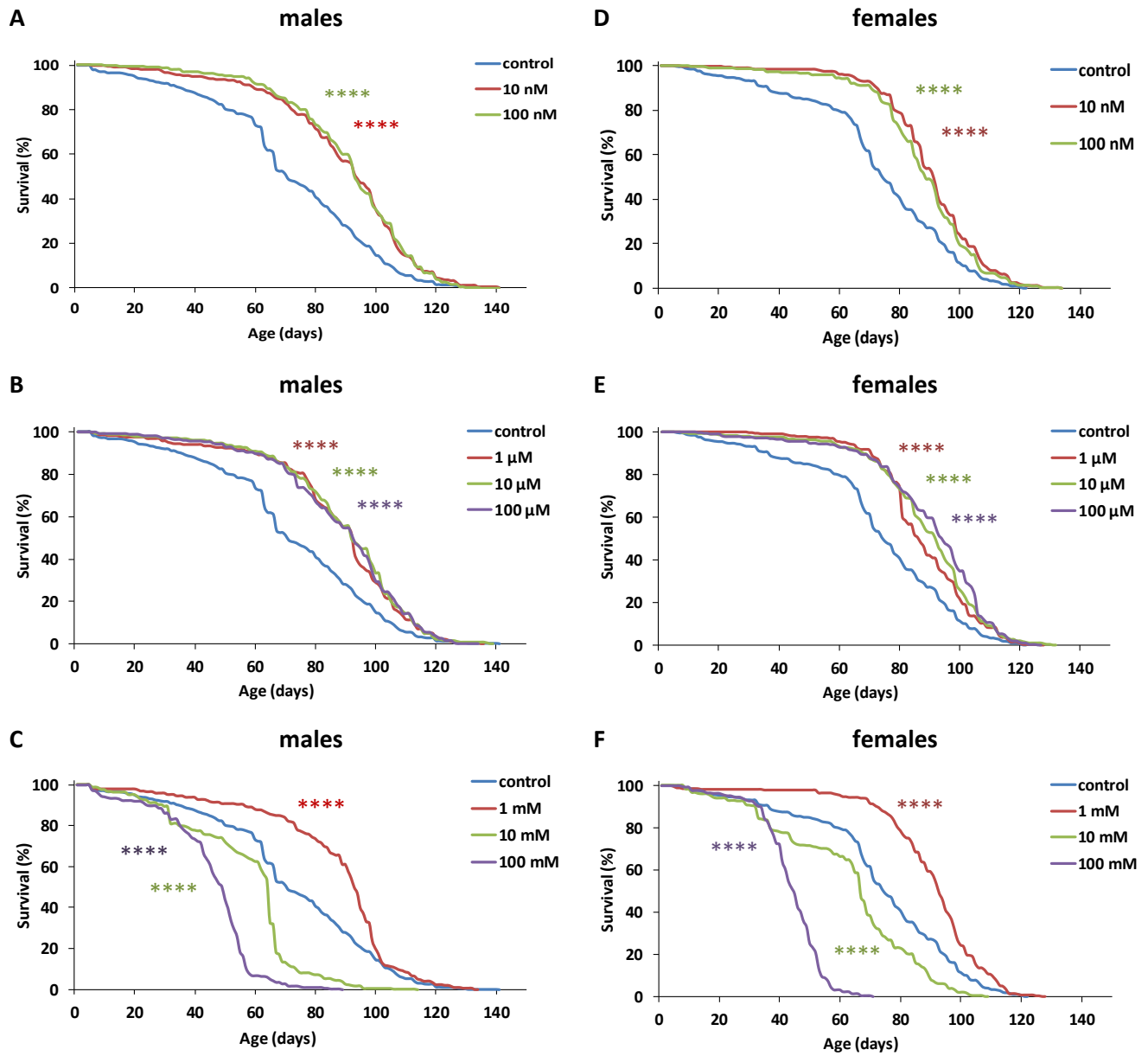


SUPPLEMENTARY MATERIAL

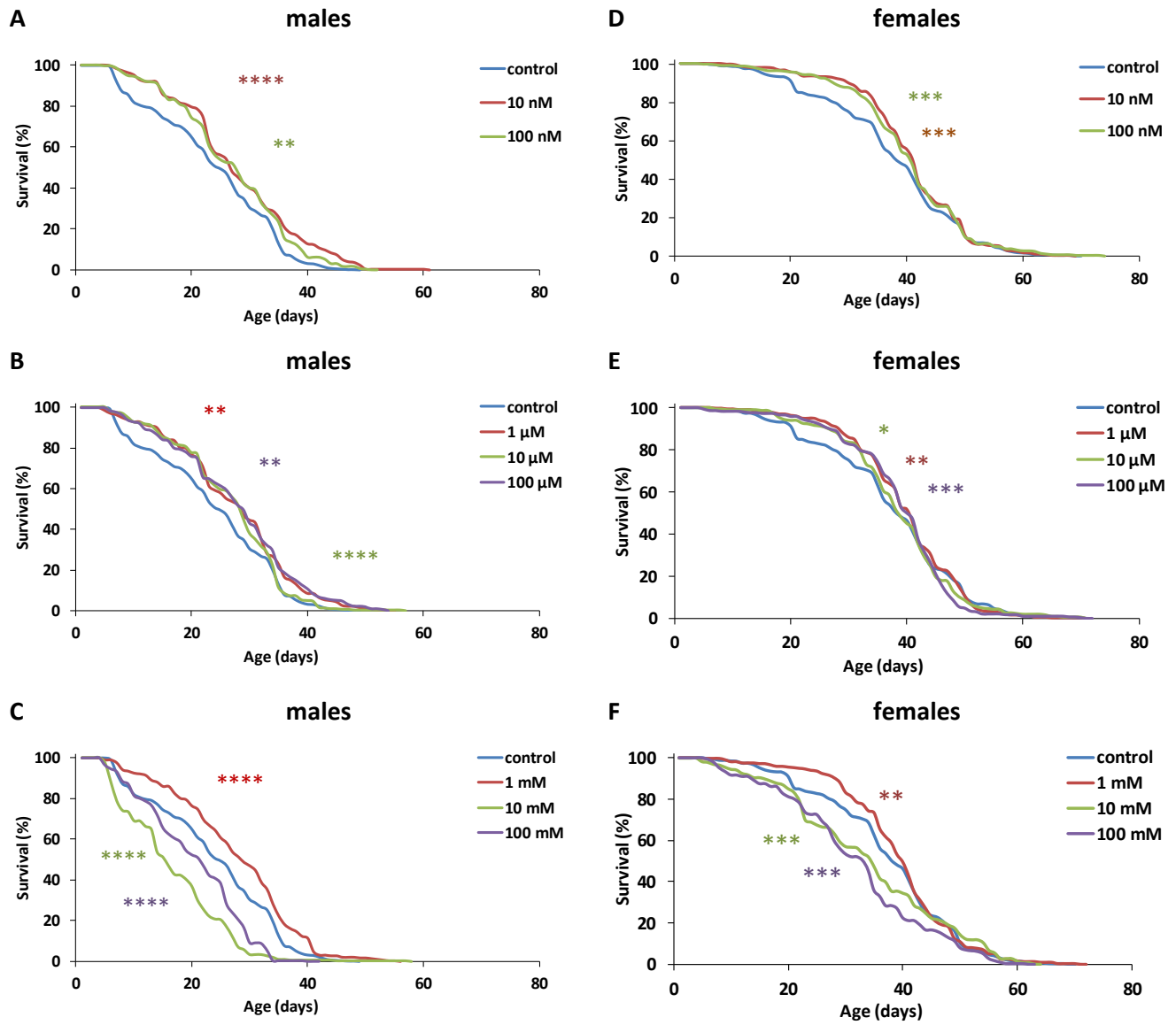
SUPPLEMENTARY FIGURES



Supplementary Figure S1. Influence of NAC supplementation with nano- (A, D), micro- (B, E) and (C, F) millimolar concentrations on the *D. melanogaster* male (A, B, C) and female (D, E, F) lifespan (combined data of two independent replications). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, Kolmogorov–Smirnov test.



Supplementary Figure S2. Influence of NAC supplementation with nano- (A, D), micro- (B, E) and (C, F) millimolar concentrations on the *D. virilis* male (A, B, C) and female (D, E, F) lifespan (combined data of two independent replications). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, Kolmogorov–Smirnov test.



Supplementary Figure S3. Influence of NAC supplementation with nano- (A, D), micro- (B, E) and (C, F) millimolar concentrations on the *D. kikkawai* male (A, B, C) and female (D, E, F) lifespan (combined data of two independent replications). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, Kolmogorov–Smirnov test.