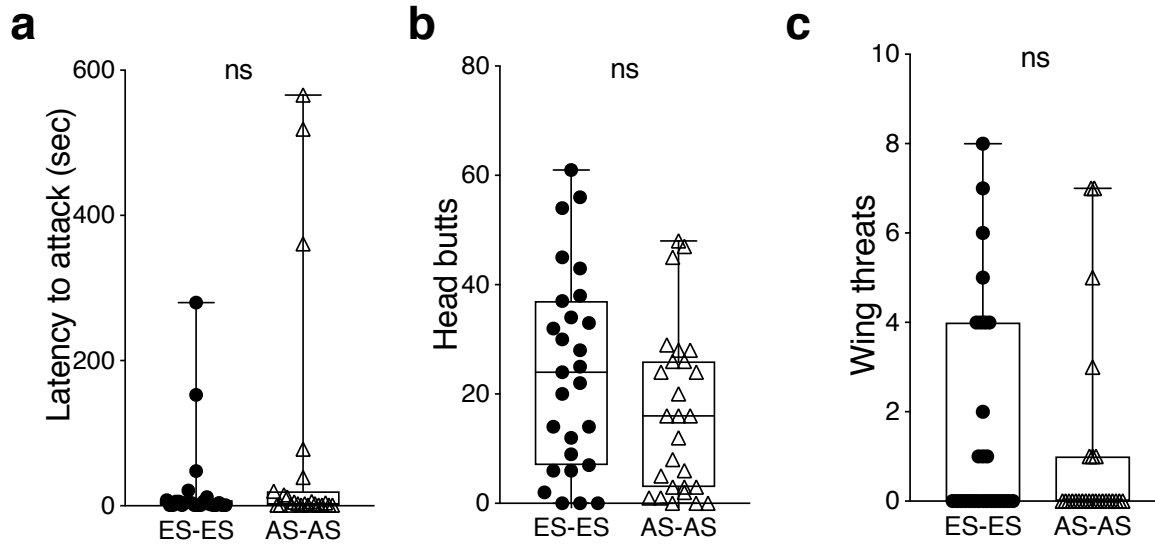


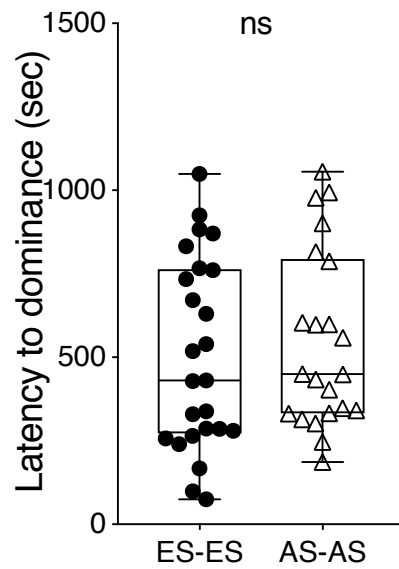
**Aggression and courtship differences found in *Drosophila melanogaster*
from two different microclimates at Evolution Canyon, Israel**

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Song^{4,6}, Kexin Li^{4,5} and Eviatar Nevo⁴

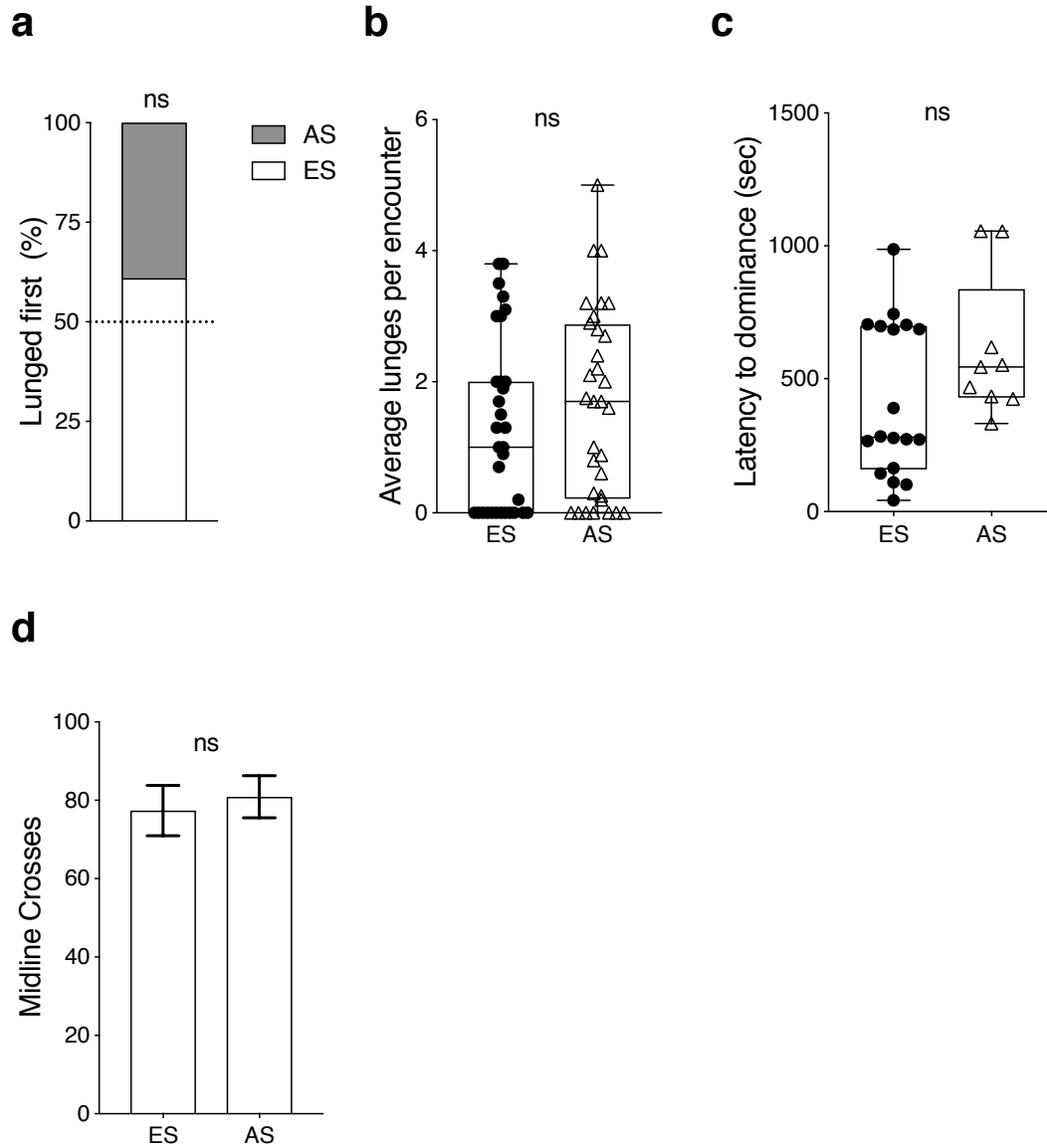
Supplementary Information:

**Supplementary Figure 1. Intraslope fight characterization between ES and AS**

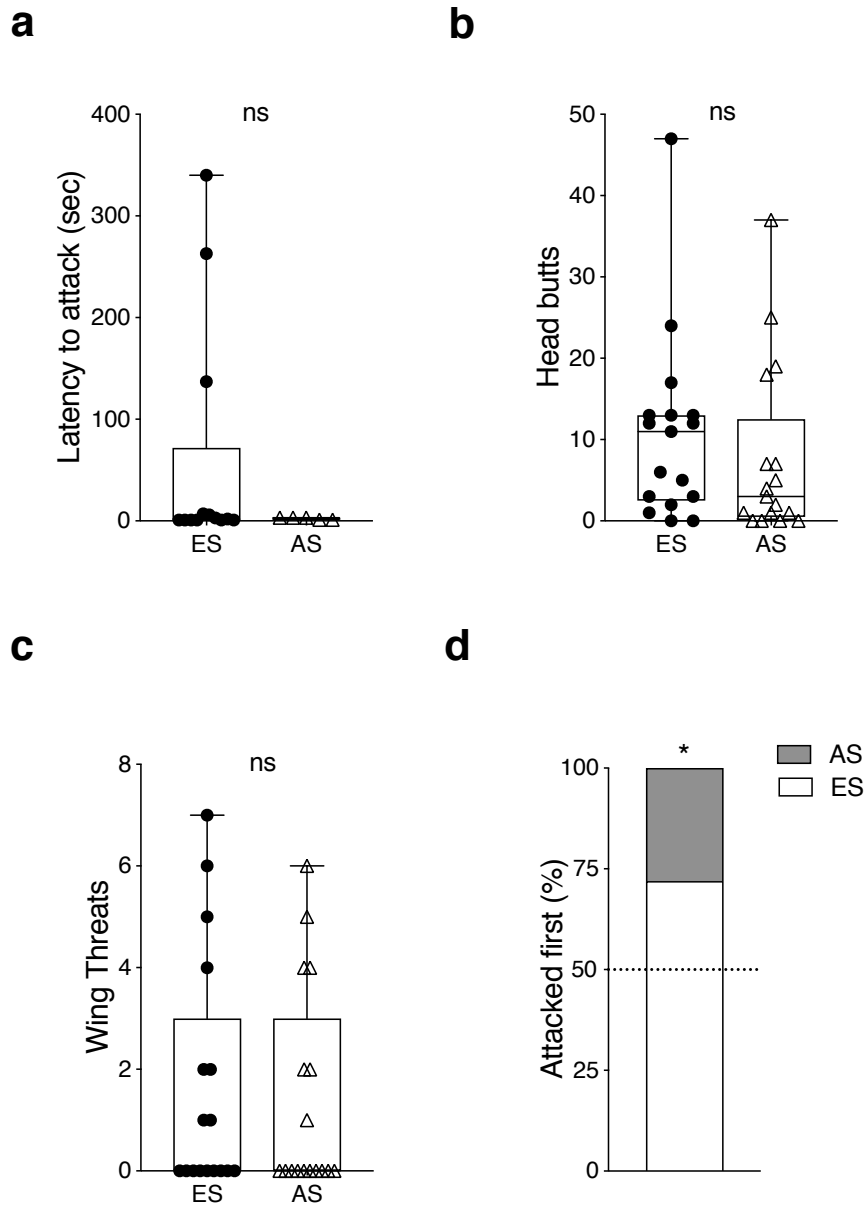
females. (a) The latency to attack, (b) total number of head butts, and (c) the total number of wing threats were not significantly different within ES and AS female pairings. $n=27$ pairs. (a-c) Center line, median; boxes, first and third quartiles; whiskers, range of values; circle or triangle, individual values. Individual value points on panel (a) represent the latency of a single fly (evaluated by Mann Whitney U-test) and value points on panels (b-c) represent the counts for the number of lunges and wing threats from pairs (evaluated by Mann Whitney U-test); * $p<0.05$; ns, non-significant.



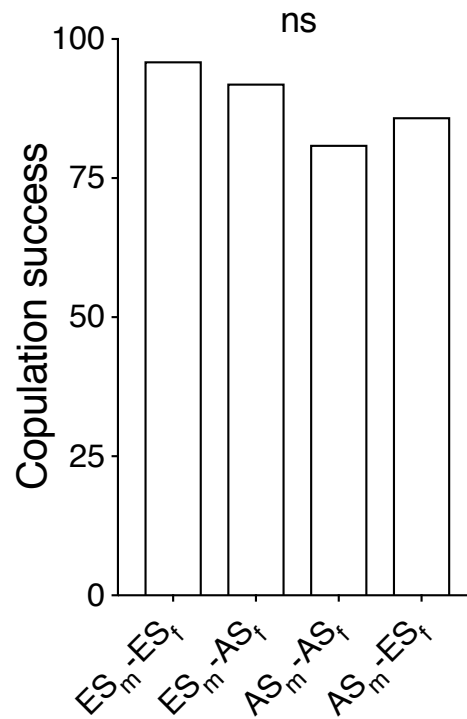
Supplementary Figure 2. The latency to dominance was not different between ES and AS pairs of male fights. n=38-42. Center line, median; boxes, first and third quartiles; whiskers, range of values; circle or triangle, individual values. Statistical significance was evaluated by Mann-Whitney U-tests; ns, non-significant.



Supplementary Figure 3. Interslope male fights ES vs. AS. (a) The percentage of males that lunged first (evaluated by Chi-square tests), (b) average number of lunges per aggressive encounter, and (c) latency to dominance were not different (evaluated by Mann-Whitney U-tests). $n=38$ single flies. ns, non-significant. (b-c) Center line, median; boxes, first and third quartiles; whiskers, range; circle or triangle, individual values. (d) ES and AS males have the same levels of locomotion (evaluated by Mann-Whitney U-tests). $n=19$ single flies. ns, non-significant. Data are represented as means \pm SEM.



Supplementary Figure 4. Interslope female fights ES vs. AS. (a) The latency to attack (evaluated by Mann-Whitney U-test), (b) total number of head butts, and (c) total number of wing threats were not different (evaluated by paired sample Wilcoxon matched-pairs signed-rank tests). However, (d) there were many more ES females that attacked first (evaluated by Chi-square test). $n=18$ single flies. $*p<0.05$, ns, non-significant. (a-c) Center line, median; boxes, first and third quartiles; whiskers, range; circle or triangle, individual values.



Supplementary Figure 5. The percentages of copulation success from male-female courtship pairings from ES and AS populations. $n=27-29$. Statistical significance evaluated by Chi-square test, ns, non-significant.