

Supplemental Table S1. Positive selection on new and old genes (*D. melanogaster*)

Positive Darwinian selection ^a	New genes (%)	Old genes (%)
Detected	14 (4.9)	203 (2.8)
Non-detected	274	7151

^a Based on flyDIVaS database (Stanley and Kulathinal 2016); Fisher's exact test, $p < 0.05$.