



FigShare1. Genital bristle number in *D. yakuba* and *D. santomea*.

(A) The bristle number of various bristle types is indicated for several strains of *D. melanogaster*, *D. yakuba* and *D. santomea*. Each grey dot represents one individual raised at 25°C. Mean (black line) and 95% confidence interval (grey rectangle) from a fitted GLM Quasi-Poisson model are shown. *D. yakuba* (yak) has fewer clasper bristles than *D. santomea* (san) (mean_yak= 35, mean_san = 38, GLMM-Poisson, Chisq(1) = 5.01, $p = 0.025$) and more anal plate bristles than *D. santomea* (mean_yak = 82, mean_san = 77, GLMM-Poisson, Chisq(1) = 3.87 $p = 0.049$). Dissected external genitalia from *D. melanogaster* Canton-S (B), *D. yakuba* Ivory Coast (D) and *D. santomea* SYN2005 (F) and their schematic representations (C,E,G) indicating the number of bristles in each genitalia part.