



Figure S4: **Accuracy in inferring demographic and selection parameters using the PLS 5/2 set of statistics.** Results were obtained with ABC-PaSS using five and two PLS components for N_e and each s , respectively (PLS 5/2). Shown are the true versus estimated posterior medians for parameters N_e (A), s per locus (B), χ and σ of the Generalized Pareto distribution (C and D, respectively). Boxplots summarize results from 25 replicate simulations, each with 100 loci. Uniform priors over the whole ranges shown were used. (A, B): N_e assumed in the simulations is represented as a color gradient of red (low N_e) to yellow (high N_e). (C,D): Parameters μ and N_e were fixed to 0 and 10^3 , respectively, $\log_{10}\sigma$ was fixed to -1 (C) and χ was fixed to 0.5 (D).