





**Figure S8.** Frequencies of the adaptive alleles as a function of the first PCA axis shown separately for the 19 species for which at least one adaptive locus was detected. The frequency of adaptive alleles increased mainly at high values of the PCA axis (in a high temperature/low altitude environment). These frequencies correspond to the number of potentially adaptive alleles weighted by the number of individuals and by the number of loci for each class of PCA axis. The frequencies of adaptive alleles are shown for each species