S6 Fig. Functional enrichment analysis of genes nearby OOA and AF-OOA TEs. A) Significant Gene Ontology Clusters according to DAVID functional annotation tool. Only the top six significant clusters are showed (enrichment score > 1.3). The horizontal axis represents DAVID enrichment score (see Table S9C and S9D for details). B) Significantly overrepresented fitness-related genes according to previous genome association studies. All FDR corrected p-values < 0.05, Chi-square test (see Table S11C and S11D for details). The horizontal axis represent the log_{10}(χ²). In both cases, A) and B), numbers nearby each bar indicate total number of genes in that category. Bar colors indicates similar biological functions of the clusters (A) and the fitness-related traits (B): green: stress response; red: behavior; blue: development; and yellow: transport.