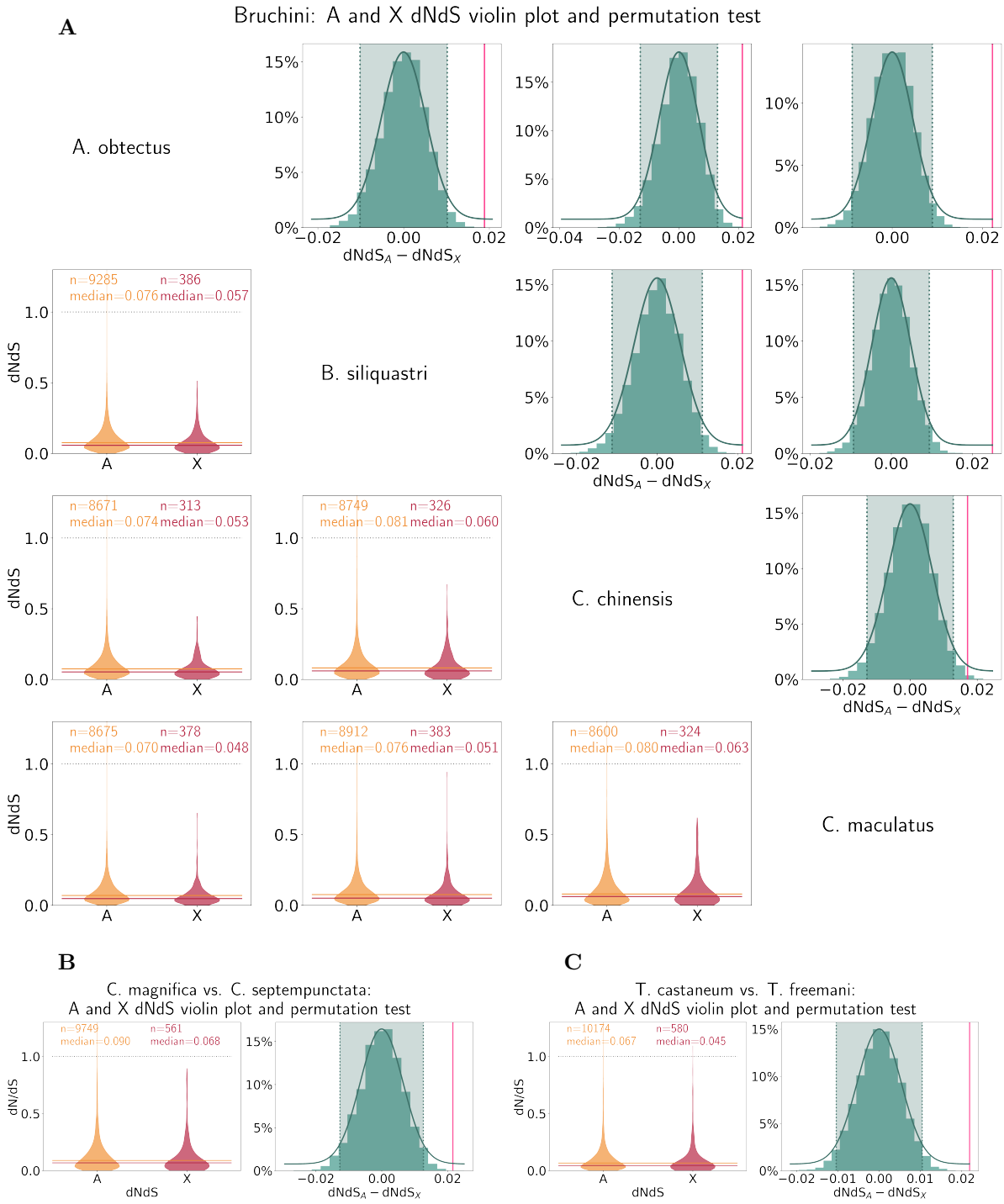

Figure 1: **d_N/d_S ratio and permutation tests for significance.** Pairwise comparisons between members of three species groups with violin plots of d_N/d_S values for X-linked and autosomal 1-to-1 orthologs, and permutation tests (10000 permutations) to assess significance. All pairwise comparisons show significantly lower d_N/d_S values on X-linked orthologs. The within-family comparisons are performed for three species groups: *Bruchini* (**A**), *Coccinella* (**B**) and *Tribolium* (**C**).

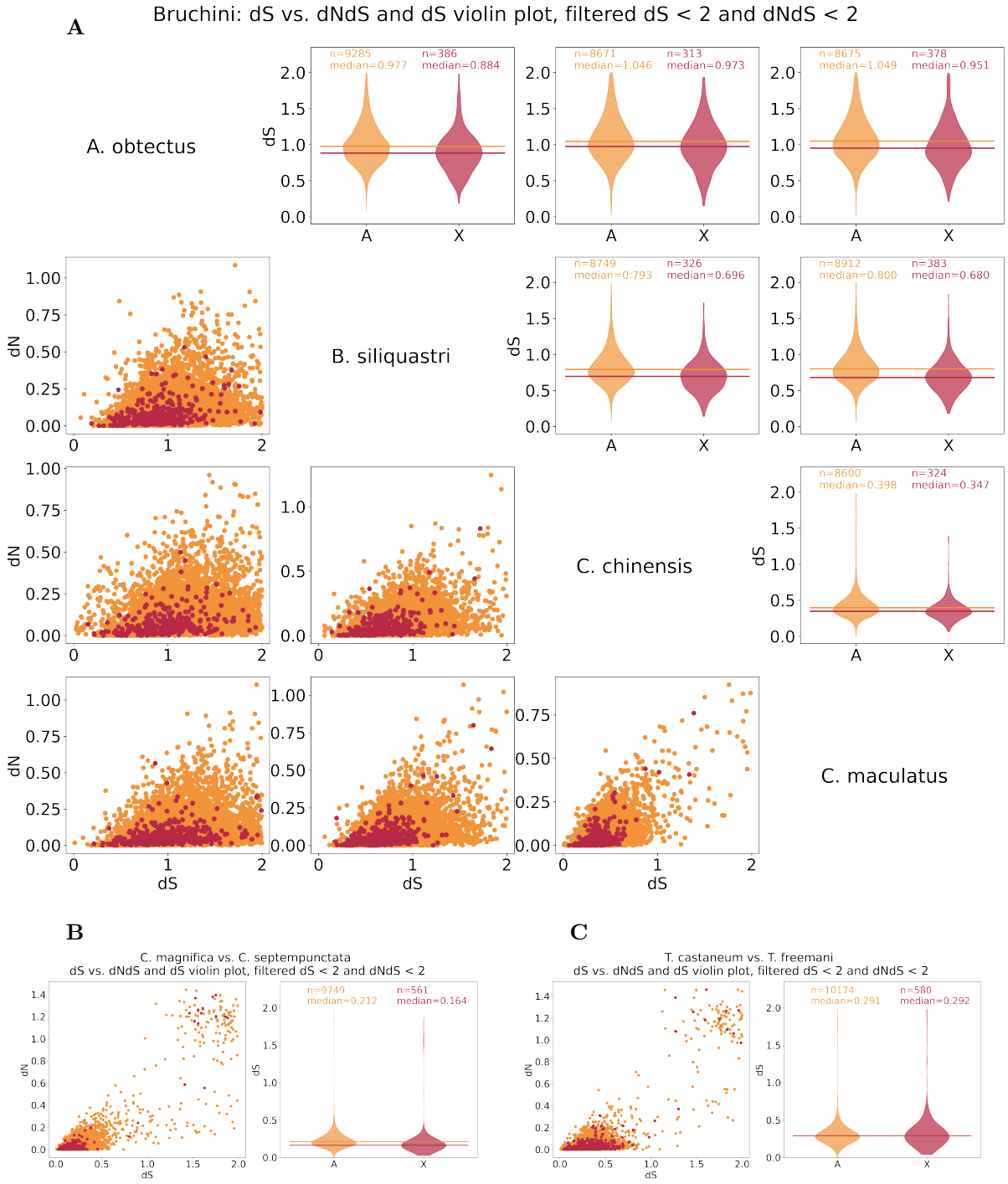

Figure 2: **d_S vs. d_N scatterplots and violin plots of d_S values from X-linked and autosomal orthologs.** Pairwise comparisons between members of three species groups with violin plots of d_S values for X-linked and autosomal 1-to-1 orthologs, and scatterplots of d_S vs. d_N. d_S is lower for X-linked orthologs in all comparisons except *Tribolium*, where it is almost equal. The within-family comparisons are performed for three species groups: *Bruchini* (**A**), *Coccinella* (**B**) and *Tribolium* (**C**).