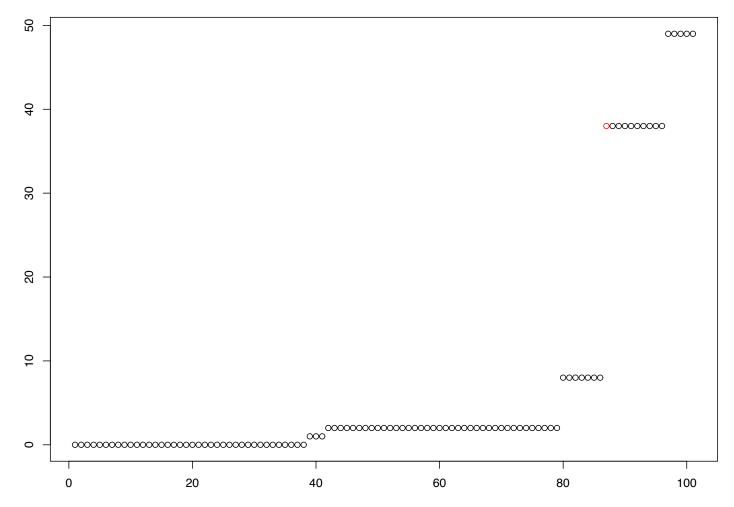**Figure S6:** Testing for false discovery detection of aggregated hybscores of families (Figure 3B). Permutation of sample group assignments for the Welch-test. In approximately 5% of 100 permutations, more than 38 families passed the Welch test with a p-value lower than 0.05. Consequently, the possibility of finding 38 families is unlikely due to chance. Red = true value. Y-axis displays the number of taxa passing the Welch-test.