

Supplementary Materials for Improving solution diversity on NSGA-II for multi-objective clustering problems

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I. COMPLETE EXPERIMENTAL TEST RESULTS

The following figures 1 to 4 present the complete results from the experiments described in chapter IV-C from the main document. The results presented in chapter VI-C were obtained by extracting mean values from the same experiments.

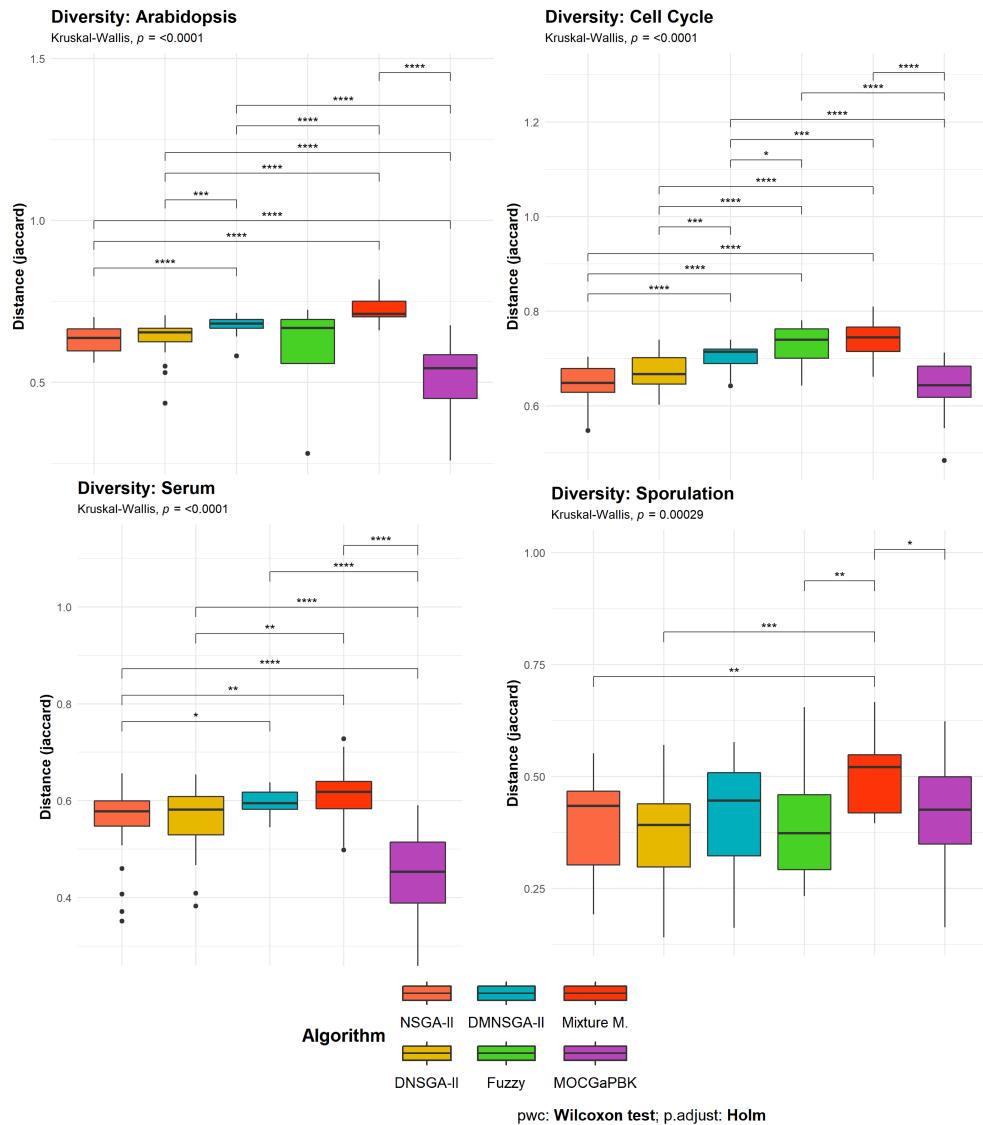


Fig. 1. Full Jaccard results for performance tests presented in chapter 5-C.

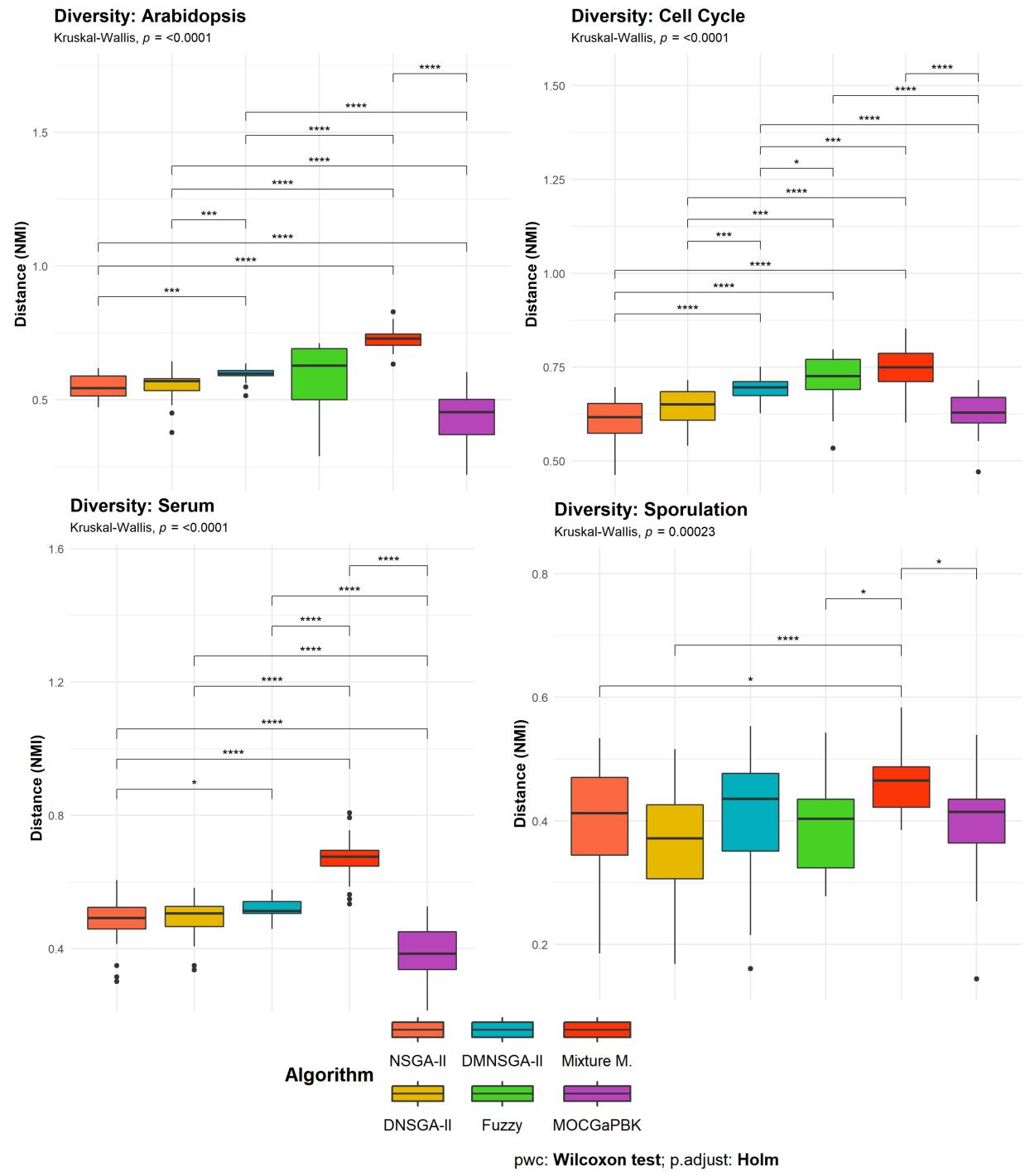


Fig. 2. Full Normalized Mutual Information (NMI) results for performance tests presented in chapter 5-C.

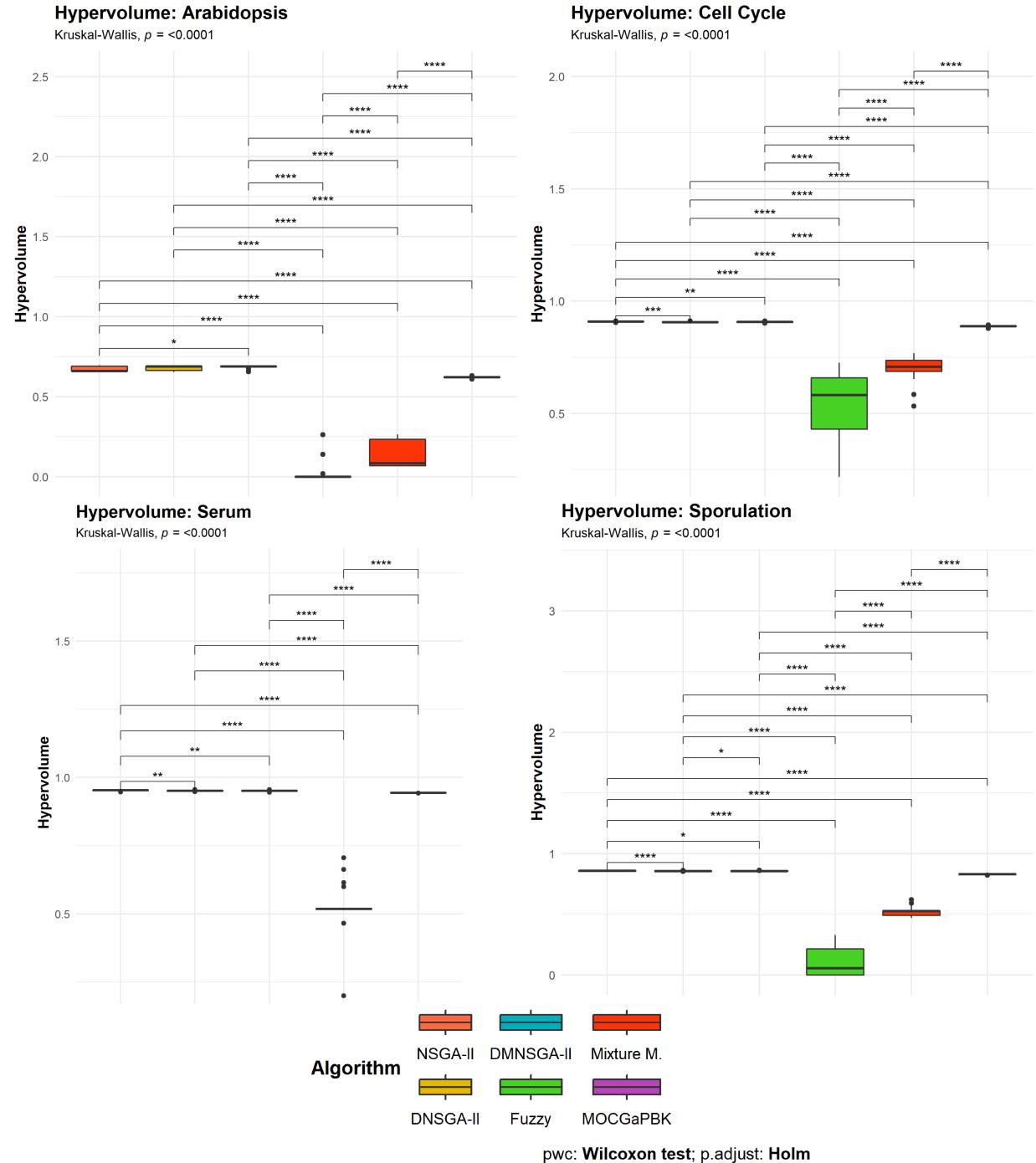


Fig. 3. Full Hypervolume results for performance tests presented in chapter 5-C.

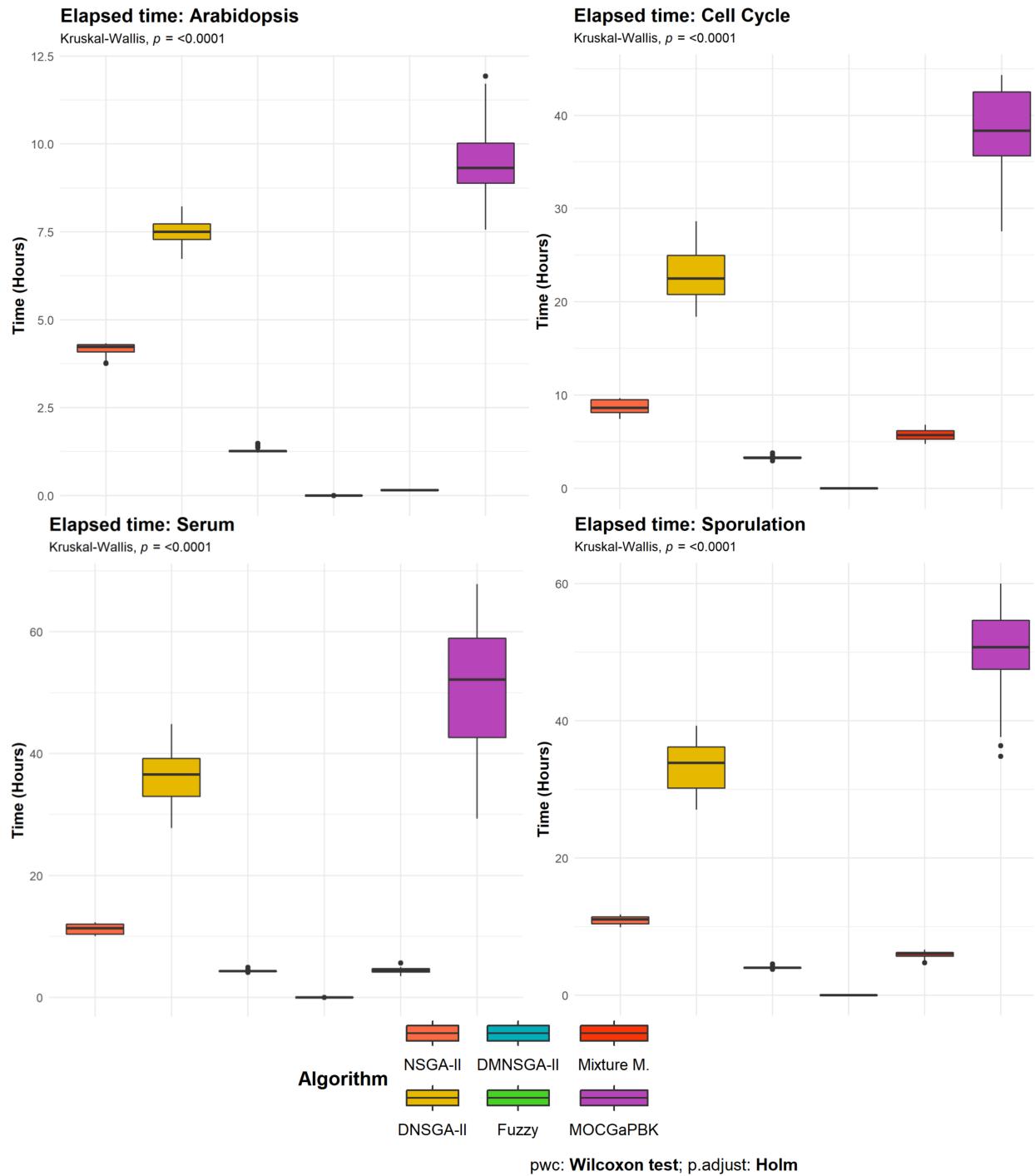


Fig. 4. Full execution time results for performance tests presented in chapter 5-C. All statistical tests output highly significant differences ($p \leq 1e^{-10}$) between all algorithms, with an exception in serum dataset between DNSGA-II and TMixClust