| # of Taxa | # of Genes | Species Tree Height | Data Type | Method | Fraction of Replicates | Replicates numbers |
|------------|--------------|---------------------|------------------|--|------------------------|--------------------|
| 100 | 300 | 10M | exon | ASTRAL | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | exon intron | ASTRAL ASTRAL | 20/20 20/20 | All All |
| 100 | 300 | 500K | intron | ASTRAL | $\frac{20}{20}$ | All |
| 100 100 | 300 300 | 10M 500K | exon exon | RAxML RAxML | 20/20 20/20 | All All |
| 100 | 300 | 10M | intron | RAxML | $\frac{20}{20}$ | All |
| 100 | 300 | 500K | intron | RAxML | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | exon exon | NJ(AGID) NJ(AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | intron | NJ(AGID) | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | intron exon | NJ(AGID) NJ(log-det) | 20/20 20/20 | All All |
| 100 | 300 | 500K | exon | NJ(log-det) | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | intron intron | NJ(log-det) NJ(log-det) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | exon | NJMerge(RAxML,log-det) | $\frac{20}{20}$ | All |
| 100 | 300 | 500K | exon | NJMerge(RAxML,log-det) | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | intron intron | NJMerge(RAxML,log-det) NJMerge(RAxML,log-det) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | exon | NJMerge(True,AGID) | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | exon intron | NJMerge(True,AGID) NJMerge(True,AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 500K | intron | NJMerge(True,AGID) | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | exon exon | NJMerge(True,log-det) NJMerge(True,log-det) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | intron | NJMerge(True,log-det) | 20/20 | All |
| 100 | 300 | 500K 10M | intron | NJMerge(True,log-det) | 20/20 | All All |
| 100 100 | 300 300 | 500K | exon exon | NJMerge(SVDquartets,log-det) NJMerge(SVDquartets,log-det) | 20/20 $20/20$ | All |
| 100 | 300 | 10M | intron | NJMerge(SVDquartets,log-det) | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | intron exon | NJMerge(SVDquartets,log-det) NJMerge(ASTRAL,log-det) | 20/20 20/20 | All All |
| 100 | 300 | 500K | exon | NJMerge(ASTRAL,log-det) | $\frac{20}{20}$ | All |
| 100 | 300 | 10M | intron | NJMerge(ASTRAL,log-det) | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | intron exon | NJMerge(ASTRAL,log-det) NJMerge(SVDquartets,AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 500K | exon | NJMerge(SVDquartets,AGID) | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | intron intron | NJMerge(SVDquartets,AGID) NJMerge(SVDquartets,AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | exon | SVDquartets | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | exon intron | SVDquartets SVDquartets | 20/20 20/20 | All All |
| 100 | 300 | 500K | intron | SVDquartets | 20/20 | All |
| 100 | 300 | 10M | exon | NJMerge(ASTRAL,AGID) | 20/20 | All |
| 100 100 | 300 300 | 500K 10M | exon intron | NJMerge(ASTRAL,AGID) NJMerge(ASTRAL,AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 500K | intron | NJMerge(ASTRAL,AGID) | 20/20 | All |
| 100 100 | 300 300 | 10M 500K | exon exon | NJMerge(RAxML,AGID) NJMerge(RAxML,AGID) | 20/20 $20/20$ | All All |
| 100 | 300 | 10M | intron | NJMerge(RAxML,AGID) | $\frac{20}{20}$ | All |
| 100 100 | 300 3000 | 500K 10M | intron exon | NJMerge(RAxML,AGID) ASTRAL | 20/20 20/20 | All All |
| 100 | 3000 | 500K | exon | ASTRAL | 20/20 | All |
| 100 | 3000 | 10M | intron | ASTRAL | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | intron exon | ASTRAL RAxML | 20/20 $20/20$ | All All |
| 100 | 3000 | 500K | exon | RAxML | 20/20 | All |
| 100 100 | 3000 3000 | 10M 500K | intron intron | RAxML RAxML | 20/20 $20/20$ | All All |
| 100 | 3000 | 10M | exon | NJ(AGID) | $\frac{20}{20}$ | All |
| 100 100 | 3000 3000 | 500K 10M | exon intron | NJ(AGID) NJ(AGID) | 20/20 $20/20$ | All All |
| 100 | 3000 | 500K | intron | NJ(AGID) | $\frac{20}{20}$ | All |
| 100 | 3000 | 10M 500K | exon | NJ(log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | exon intron | NJ(log-det) NJ(log-det) | 20/20 $20/20$ | All All |
| 100 | 3000 | 500K | intron | NJ(log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 10M 500K | exon exon | NJMerge(RAxML,log-det) NJMerge(RAxML,log-det) | 20/20 $20/20$ | All All |
| 100 | 3000 | 10M | intron | NJMerge(RAxML,log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | intron exon | NJMerge(RAxML,log-det) NJMerge(True,AGID) | 20/20 $20/20$ | All All |
| 100 | 3000 | 500K | exon | NJMerge(True,AGID) | 20/20 | All |
| 100 | 3000 | 10M 500K | intron | NJMerge(True,AGID) | 20/20 | All All |
| 100 100 | 3000 3000 | 500K 10M | intron exon | NJMerge(True,AGID) NJMerge(True,log-det) | 20/20 $20/20$ | All |
| 100 | 3000 | 500K | exon | NJMerge(True,log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 10M 500K | intron intron | NJMerge(True,log-det) NJMerge(True,log-det) | 20/20 $20/20$ | All All |
| 100 | 3000 | 10M | exon | NJMerge(SVDquartets,log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | exon intron | NJMerge(SVDquartets,log-det) NJMerge(SVDquartets,log-det) | 20/20 20/20 | All All |
| 100 | 3000 | 500K | intron | NJMerge(SVDquartets,log-det) | 20/20 | All |
| 100 | 3000 | 10M 500K | exon | NJMerge(ASTRAL,log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | exon intron | NJMerge(ASTRAL,log-det) NJMerge(ASTRAL,log-det) | 20/20 $20/20$ | All All |
| 100 | 3000 | 500K | intron | NJMerge(ASTRAL,log-det) | 20/20 | All |
| 100 100 | 3000 3000 | 10M 500K | exon exon | NJMerge(SVDquartets,AGID) NJMerge(SVDquartets,AGID) | 20/20 $20/20$ | All All |
| 100 | 3000 | 10M | intron | NJMerge(SVDquartets,AGID) | 20/20 | All |
| 100 100 | 3000 3000 | 500K 10M | intron exon | NJMerge(SVDquartets,AGID) SVDquartets | 20/20 $20/20$ | All All |
| 100 | 3000 | | J22-021 | | | ** |