**Table S1. Summary for the graft union transcriptome**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **No.** **gene** | **Length of gene****(Mb)**  | **Average of gene****(Kb)** | **No. transcripts** | **Length of****Transcripts****(Mb)** | **Average of** **Transcripts****(K)** | **No.** **exon** | **Length of****Exon****(Mb)** | **Average of** **exon** |
| Cucumber | 20,782 | 86.0 | 4.1 | 32,852 | 154.0 | 4.7 | 200,813 | 59.5 | 296 |
| pumpkin | 27,187 | 119.0 | 4.4 | 47,906 | 204.4 | 4.3 | 288,837 | 84.0 | 290 |