**Supplementary Table 1. Summary of *Pinus pinaster* sequencing data trimming, number of mapped reads**

| **Genotype** | **Oria 6/R1S** | | | **Gal 1056/R1S** | | | **Gal 1056/R18T** | | | **Oria 6/R18T** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Library Number** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
| **Raw reads (Mb)** | 13.23215 | 12.65581 | 13.00199 | 15.99188 | 14.89687 | 16.95577 | 22.64033 | 12.65853 | 16.14964 | 16.05427 | 26.35359 | 28.38755 |
| **Average Length** | 75.51 | 75.52 | 75.54 | 75.52 | 75.52 | 75.53 | 75.52 | 75.56 | 75.55 | 75.53 | 75.52 | 75.53 |
| **Average Quality** | 33.89 | 34.45 | 34.40 | 34.27 | 34.52 | 34.45 | 34.45 | 34.33 | 34.31 | 34.36 | 34.42 | 34.45 |
| **Reads after reformat.sh and Sortmerna processing (Mb)** | 11.77858 | 11.62967 | 7.17227 | 12.50118 | 13.12024 | 10.90749 | 19.52082 | 4.90925 | 7.62297 | 11.48367 | 24.15501 | 22.23719 |
| **Average Length after processing** | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| **Number of mapped reads (Mb)** | 10.92487 | 10.68927 | 6.512493 | 11.37022 | 12.34044 | 10.11667 | 17.87468 | 4.19261 | 6.83618 | 10.56037 | 22.596 | 20.49219 |