**Table S3 The number of correlations between lncRNAs and PCGs.**

| Species | Significant lncRNA-PCG | | | | Significant random lncRNA-PCG | | | | Significant random PCG-PCG | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pairs | r>0 | r<0 | ABS \|r>0.8\|[1] | Pairs | r>0 | r<0 | ABS \|r>0.8\|[2] | Pairs | r>0 | r<0 | ABS \|r>0.8\|[3] |
| *Populus tomentosa* | 686 | 558 | 127 | 177 | 241 | 182 | 59 | 46 | 395 | 242 | 153 | 93 |
| *Populus simonii* | 452 | 362 | 90 | 119 | 249 | 170 | 79 | 63 | 498 | 289 | 209 | 112 |

[123] Extremely positive correlations between members of lncRNA–PCG, random lncRNA-PCG, and random PCG-PCG