**Supplementary Table 14.** *Gossypium* diploid accessions used in the genome specificity checks.These diploid cotton lines were used to confirm the genome specificity of primers detailed in  **Supplementary Table 12** and **Supplementary Table 13**. Primers were considered genome specific if they amplified specifically in the D genome diploids but failed to do so in *G. arboreum.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NC Accession No. | Species | Genome | PI No. | Name |
| 174 | *G. raimondii* | DD | 530920 | D5-1 |
| 175 | *G. raimondii* | DD | 530921 | D5-2 |
| 176 | *G. raimondii* | DD | 530928 | D5-4 |
| 235 | *G. trilobum* | DD | 530967 | D8-5 |
| 222 | *G. thurberi* | DD | 530767 | D1-3 |
| 223 | *G. thurberi* | DD | 530768 | D1-4 |
| 260 | *G. thurberi* | DD | 530766 | D1-2 |
| 262 | *G. thurberi* | DD | 530782 | D1-18 |
| 265 | *G. thurberi* | DD | 530789 | D1-25 |
| 501 | *G. arboreum* | AA | 167906 | N/A |
| 503 | *G. arboreum* | AA | 529740 | SMA4 |
| 505 | *G. arboreum* | AA | 615700 | Chinese Narrow Leaf |
| 506 | *G. arboreum* | AA | 615701 | Soudanense |
| 507 | *G. arboreum* | AA | 615750 | Punjabi 39 |
| 508 | *G. arboreum* | AA | 615759 | 231R |