

Table 1: Statistics for the best assembled accession.

| Scaffold Statistics | Subsection | Species | Accession | # contigs (≥ 1kb) | Largest contig (Mb) | Contigs ≥ 1 kb | Contigs ≥ 25 kb | Contigs ≥ 50kb | Total length | Genome Size (GS) | % Genome Covered | N50 | % N | # Gene Models | # BUSCOs | % recovered | # partial BUSCO |
|---------------------|------------------------|-------------------------|---------------|----------------------|------------------------|-------------------|--------------------|-------------------|--------------|---------------------|---------------------|-------|-----|---------------|-------------|-------------|--------------------|
| | <i>Austroamericana</i> | <i>G. raimondii</i> | Paterson 2012 | 1,033 | 70.71 | 761.41 | 754.80 | 753.82 | 761.41 | 880 | 86.5% | 62.18 | 2% | | | | |
| | <i>Austroamericana</i> | <i>G. raimondii</i> | D5-8 | 1,431 | 53.83 | 589.99 | 585.87 | 585.79 | 592.04 | 880 | 67.3% | 48.45 | 14% | 30,475 | 1,339 | 93% | 27 |
| | <i>Caducibracteata</i> | <i>G. armourianum</i> | D2-1-6 | 13,359 | 55.08 | 645.03 | 600.41 | 599.97 | 671.70 | 856 | 78.5% | 47.59 | 15% | 28,845 | 1,124 | 78% | 55 |
| | <i>Caducibracteata</i> | <i>G. harknessii</i> | JFW | 20,602 | 52.42 | 615.99 | 541.69 | 540.67 | 643.05 | 910 | 70.7% | 43.64 | 7% | 36,068 | 1,294 | 90% | 51 |
| | <i>Caducibracteata</i> | <i>G. turneri</i> | D10-7 | 18,841 | 49.15 | 742.21 | 654.97 | 601.54 | 774.62 | 910 | 85.1% | 33.33 | 2% | 45,244 | 1,366 | 95% | 17 |
| | <i>Erioxylum</i> | <i>G. aridum</i> | DRD-185 | 21,813 | 52.48 | 619.71 | 552.02 | 551.45 | 648.51 | 919 | 70.6% | 42.90 | 8% | 35,142 | 1,285 | 89% | 47 |
| | <i>Erioxylum</i> | <i>G. lobatum</i> | D7-157 | 22,383 | 53.83 | 625.55 | 555.17 | 554.44 | 654.85 | 934 | 70.1% | 43.64 | 8% | 35,572 | 1,310 | 91% | 41 |
| | <i>Erioxylum</i> | <i>G. laxum</i> | D9-4 | 16,668 | 60.54 | 689.25 | 623.49 | 621.55 | 720.31 | 934 | 77.1% | 48.55 | 13% | 32,375 | 1,321 | 92% | 37 |
| | <i>Erioxylum</i> | <i>G. schwendimani</i> | D11-1 | 18,906 | 52.32 | 623.31 | 526.16 | 513.54 | 651.41 | 929 | 70.1% | 40.29 | 5% | 38,314 | 1,348 | 94% | 25 |
| | <i>Houzingenia</i> | <i>G. thurberi</i> | D1-35 | 15,309 | 47.60 | 582.19 | 505.27 | 498.80 | 605.21 | 841 | 72.0% | 37.86 | 4% | 37,553 | 1,342 | 93% | 26 |
| | <i>Houzingenia</i> | <i>G. trilobum</i> | D8-8 | 14,099 | 44.53 | 562.98 | 483.41 | 474.98 | 586.05 | 851 | 68.9% | 36.15 | 5% | 36,663 | 1,321 | 92% | 43 |
| | <i>Integrifolia</i> | <i>G. davidsonii</i> | D3D-27 | 16,779 | 48.06 | 603.64 | 517.19 | 506.66 | 629.89 | 910 | 69.2% | 38.65 | 3% | 38,755 | 1,237 | 86% | 41 |
| | <i>Integrifolia</i> | <i>G. klotzschianum</i> | D3K-57 | 16,881 | 46.26 | 569.35 | 495.76 | 492.77 | 596.12 | 880 | 67.7% | 37.84 | 5% | 37,444 | 1,332 | 93% | 37 |
| | <i>Selera</i> | <i>G. gossypoides</i> | D6-5 | 23,734 | 42.78 | 554.55 | 446.85 | 441.62 | 585.41 | 841 | 69.6% | 33.53 | 4% | 26,492 | 1,133 | 79% | 41 |