|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Repeats** | **Genome size** | **LTR retroelements and retrotransposons** |
|  | **% assembled genome** | **Mb** | **%** |
| *Solanum lycopersicum* | 68 | 900 | 61 |
| *Solanum tuberosum* | 62.20 | 844 | 54.35 |
| *Petunia axilaris* | 63.08 | 1380 | 40.41 |
| *Perunia inflata* | 59.22 | 1430 | 36.98 |
| *Nicotiana tomentosiformis* | 74.84 | 2360 | 52.21 |
| *Nicotiana sylvestris* | 71.95 | 2680 | 48.65 |
| *Nicotiana attenuata* | 81 | 2370 | 81 |
| *Capsicum annum* | 76.36 | 3480 | 58.11 |
| *Datura stramonium acc. Ticumán* | 76.04 | 1470 | 74.52 |
| *Datura stramonium acc. Teotihuacán* | 74.11 | 1280 | 58.71 |

**Additional file 4.** Repetitive elements for 10 Solanaceae species and their proportion in the genomes as well as the proportion in the genome of long terminal repeat (LTR) elements.