**Table S1** – NCBI GenBank accession numbers used in this study

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| **Species** | **Plastid Genome** |
| *Atropa bella-donna* | NC004561 |
| *Capsicum annuun* | NC018552 |
| *Capsicum frutescens* | NC028007 |
| *Capsicum lycianthoides* | NC026551 |
| *Datura stramonium* | NC018117 |
| *Dunalia brachycantha* | NC026906 |
| *Dunalia obovata* | NC026563 |
| *Dunalia solanacea* | NC027099 |
| *Hyoscyamus niger* | KF248009 |
| *Iochroma loxense* | NC026726 |
| *Iochroma nitidum* | NC02563 |
| *Iochroma stenanthum* | NC026574 |
| *Iochroma tingoanum* | NC027177 |
| *Nicotiana sylvestris* | NC007500 |
| *Nicotiana tabacum* | NC001879 |
| *Nicotiana tomentosiformis* | NC007602 |
| *Nicotiana undulata* | NC016068 |
| *Physalis peruviana* | NC026570 |
| *Saracha punctata* | NC026694 |
| *Solanum bulbocastanum* | NC007943 |
| *Solanum chilense* | KP117021 |
| *Solanum commersonii* | NC028069 |
| *Solanum dulcamara* | KY863443 |
| *Solanum galapagense* | KP117022 |
| *Solanum habrochaites* | KP117023 |
| *Solanum lycopersicum* | NC007898 |
| *Solanum neorickii* | KP117025 |
| *Solanum nigrum* | NC028070 |
| *Solanum pennelii* | NC024584 |
| *Solanum peruvianum* | KP117026 |
| *Solanum piminellifolium* | KP117027 |
| *Solanum tuberosum* | NC008096 |
| **Outgroups** |  |
| *Coffea arabica* | NC008535 |
| *Ipomoea purpurea* | EU118126 |
| *Ipomoea batatas*  | NC026703 |
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