

| RAXML <i>atp1</i> | | | | | | |
|---|------------------------|------------------|-----------|----------|----------|-----------|
| Taxon | Substitutions per site | 1-way ANOVA | | | | |
| 4 independent groups: non-parasitids, hemiparasitic, holoparasitic, Viscaceae | | | | | | |
| Total number of substitutions (RAXML with Viscaceae) | | | | | | |
| Data summary | | | | | | |
| | Samples | 1 | 2 | 3 | 4 | Total |
| <i>Amborella trich</i> | 0.45 | | | | | |
| <i>Liriodendron tu</i> | 0.462761 | | | | | |
| <i>Butomus umbel.</i> | 0.713119 | | | | | |
| <i>Aegilops speltol</i> | 0.518501 | | | | | |
| <i>Phoenix dactylj</i> | 0.476673 | | | | | |
| <i>Vitis vinifera</i> | 0.517358 | N | 22 | 4 | 7 | 38 |
| <i>Glycine max</i> | 0.55606 | Sx | 12.096349 | 2.128129 | 4.03 | 7.203137 |
| <i>Malus x domest</i> | 0.533928 | Mean | 0.549834 | 0.532032 | 0.575714 | 1.440627 |
| <i>Citrullus lanatu</i> | 0.516275 | Sx2 | 6.725545 | 1.132997 | 2.32304 | 10.449308 |
| <i>Cucurbita pepo</i> | 0.538396 | Variance | 0.00355 | 0.00255 | 0.000485 | 0.018068 |
| <i>Ricinus commu</i> | 0.516152 | Std. Dev. | 0.059586 | 0.015955 | 0.022026 | 0.134417 |
| <i>Populus tremul</i> | 0.648369 | Std. Error | 0.012704 | 0.007978 | 0.008325 | 0.060113 |
| <i>Geranium mad.</i> | 0.613709 | | | | | |
| <i>Brassica carina</i> | 0.559698 | | | | | |
| <i>Gossypium hirs.</i> | 0.530747 | | | | | |
| <i>Vaccinium mac.</i> | 0.573184 | | | | | |
| <i>Daucus carota</i> | 0.540606 | | | | | |
| <i>Helianthus ann</i> | 0.532641 | | | | | |
| <i>Nicotiana tabac</i> | 0.534591 | Source | SS | dF | MS | F |
| <i>Asclepias syriac</i> | 0.569102 | Treatment | 3.425 | 3 | 1.142 | 257.94 |
| <i>Salvia miltiorrh</i> | 0.598394 | [Between groups] | | | | <.0001 |
| <i>Erythraite gutt</i> | 0.596085 | Error | 0.151 | 34 | 0.004427 | |
| <i>Cassitha pubes</i> | 0.510899 | Ss/BI | | | | |
| <i>Krameria lance</i> | 0.541703 | Total | 3.575885 | 33 | | |
| <i>Oxyris alba</i> | 0.528879 | | | | | |
| <i>Loranthus euroj</i> | 0.553731 | | | | | |
| <i>Cytinus hypocis</i> | 0.582777 | | | | | |
| <i>Cytinus hypocis</i> | 0.582777 | | | | | |
| <i>Lathraea squam</i> | 0.599447 | | | | | |
| <i>Lathraea clades</i> | 0.59445 | | | | | |
| <i>Langsdorffia hy</i> | 0.578592 | | | | | |
| <i>Cynomorium co</i> | 0.546648 | | | | | |
| <i>Pholisma sonor</i> | 0.538226 | | | | | |
| <i>Phoradendron l</i> | 1.681055 | | | | | |
| <i>Viscum album</i> | 1.377452 | | | | | |
| <i>Viscum crassul</i> | 1.382571 | | | | | |
| <i>Viscum scurrul</i> | 1.380518 | | | | | |
| <i>Viscum minimum</i> | 1.381541 | | | | | |

| RAXML <i>matR</i> | | | | | | |
|---|------------------------|------------------|-----------|----------|----------|----------|
| Taxon | Substitutions per site | 1-way ANOVA | | | | |
| 4 independent groups: non-parasitids, hemiparasitic, holoparasitic, Viscaceae | | | | | | |
| Total number of substitutions (RAXML with Viscaceae) | | | | | | |
| Data summary | | | | | | |
| | Samples | 1 | 2 | 3 | 4 | Total |
| <i>Amborella trich</i> | 0.45 | | | | | |
| <i>Liriodendron tu</i> | 0.463694 | | | | | |
| <i>Butomus umbel.</i> | 0.549789 | | | | | |
| <i>Aegilops speltol</i> | 0.511798 | | | | | |
| <i>Phoenix dactylj</i> | 0.47909 | | | | | |
| <i>Vitis vinifera</i> | 0.471638 | N | 22 | 4 | 7 | 34 |
| <i>Glycine max</i> | 0.492041 | Sx | 10.908098 | 1.941477 | 3.665967 | 0.491559 |
| <i>Malus x domest</i> | 0.490286 | Mean | 0.495823 | 0.485369 | 0.52371 | 0.491559 |
| <i>Citrullus lanatu</i> | 0.496434 | Sx2 | 5.417782 | 0.943019 | 1.928959 | 0.24163 |
| <i>Cucurbita pepo</i> | 0.525366 | Variance | 0.000443 | 0.000228 | 0.001509 | NA |
| <i>Ricinus commu</i> | 0.490335 | Std. Dev. | 0.021044 | 0.15115 | 0.038852 | NA |
| <i>Populus tremul</i> | 0.503155 | Std. Error | 0.004487 | 0.007557 | 0.014685 | NA |
| <i>Geranium mad.</i> | 0.523952 | | | | | |
| <i>Brassica carina</i> | 0.506726 | | | | | |
| <i>Gossypium hirs</i> | 0.485895 | | | | | |
| <i>Vaccinium mac.</i> | 0.499895 | | | | | |
| <i>Daucus carota</i> | 0.489074 | | | | | |
| <i>Helianthus ann</i> | 0.492351 | | | | | |
| <i>Nicotiana tabac</i> | 0.496596 | Source | SS | dF | MS | F |
| <i>Asclepias syriac</i> | 0.502191 | Treatment | 0.005 | 3 | 0.002 | 2.75 |
| <i>Salvia miltiorrh</i> | 0.492975 | [Between groups] | | | | 0.06003 |
| <i>Erythraite gutt</i> | 0.494817 | Error | 0.019 | 30 | 0.000635 | |
| <i>Cassitha pubes</i> | 0.468484 | Ss/BI | | | | |
| <i>Krameria lance</i> | 0.49572 | Total | 0.024 | 33 | | |
| <i>Oxyris alba</i> | 0.47698 | | | | | |
| <i>Loranthus euroj</i> | 0.520245 | | | | | |
| <i>Cytinus hypocis</i> | 0.534492 | | | | | |
| <i>Cytinus hypocis</i> | 0.534492 | | | | | |
| <i>Lathraea squam</i> | 0.490664 | | | | | |
| <i>Lathraea clades</i> | 0.490664 | | | | | |
| <i>Langsdorffia hy</i> | 0.600034 | | | | | |
| <i>Cynomorium co</i> | 0.500293 | | | | | |
| <i>Pholisma sonor</i> | 0.495376 | | | | | |
| <i>Phoradendron liga</i> | 0.491559 | | | | | |
| <i>Viscum album</i> | 0.491559 | | | | | |
| <i>Viscum crassul</i> | 0.491559 | | | | | |
| <i>Viscum scurruloideum</i> | 0.491559 | | | | | |
| <i>Viscum minimum</i> | 0.491559 | | | | | |

| RAXML <i>rps3</i> | | | | | | |
|--|------------------------|------------------|----------|----------|----------|-----------|
| Taxon | Substitutions per site | 1st 1-way ANOVA | | | | |
| 3 independent groups: non-parasitids, hemiparasitic, holoparasitic | | | | | | |
| Substitution rates (RAXML without Viscaceae) | | | | | | |
| Data summary | | | | | | |
| | Samples | 1 | 2 | 3 | | Total |
| <i>Amborella trich</i> | 0.45 | | | | | |
| <i>Liriodendron tu</i> | 0.465145 | | | | | |
| <i>Butomus umbel.</i> | 0.596686 | | | | | |
| <i>Aegilops speltol</i> | 0.526784 | | | | | |
| <i>Phoenix dactylj</i> | 0.485985 | | | | | |
| <i>Vitis vinifera</i> | 0.477226 | N | 19 | 4 | 7 | 30 |
| <i>Glycine max</i> | 0.49928 | Sx | 8.976709 | 1.991921 | 3.907356 | 14.875986 |
| <i>Malus x domest</i> | 0.49911 | Mean | 0.472458 | 0.49798 | 0.558194 | 0.495866 |
| <i>Citrullus lanatu</i> | 0.492865 | Sx2 | 4.889454 | 0.993667 | 2.196571 | 8.079692 |
| <i>Cucurbita pepo</i> | 0.514111 | Variance | 0.036018 | 0.000576 | 0.002585 | 0.024248 |
| <i>Ricinus commu</i> | 0.487673 | Std. Dev. | 0.189785 | 0.02401 | 0.050842 | 0.155718 |
| <i>Populus tremul</i> | 0.537351 | Std. Error | 0.04354 | 0.012005 | 0.019217 | 0.02843 |
| <i>Geranium mad.</i> | 0.879598 | | | | | |
| <i>Brassica carina</i> | 0.537274 | | | | | |
| <i>Gossypium hirs.</i> | 0.509638 | | | | | |
| <i>Vaccinium macrocarpon</i> | 0.527862 | | | | | |
| <i>Daucus carota</i> | 0.527862 | | | | | |
| <i>Helianthus annuus</i> | 0.490121 | Source | SS | dF | MS | F |
| <i>Nicotiana tabac</i> | 0.490121 | Treatment | 0.038 | 2 | 0.019 | 0.76 |
| <i>Asclepias syriac</i> | 0.501946 | [Between groups] | | | | 0.477411 |
| <i>Salvia miltiorrh</i> | 0.510934 | Error | 0.665518 | 27 | 0.024651 | |
| <i>Erythraite guttata</i> | 0.478239 | Ss/BI | | | | |
| <i>Cassitha pubes</i> | 0.500003 | Total | 0.703 | 29 | | |
| <i>Krameria lance</i> | 0.482563 | | | | | |
| <i>Oxyris alba</i> | 0.647872 | | | | | |
| <i>Loranthus euroj</i> | 0.579527 | | | | | |
| <i>Cytinus hypocis</i> | 0.576756 | | | | | |
| <i>Cytinus hypocis</i> | 0.576756 | | | | | |
| <i>Lathraea squam</i> | 0.507129 | | | | | |
| <i>Lathraea clades</i> | 0.508351 | | | | | |
| <i>Langsdorffia hy</i> | 0.567996 | | | | | |
| <i>Cynomorium co</i> | 0.531116 | | | | | |
| <i>Pholisma sonor</i> | 0.519725 | | | | | |
| <i>Phoradendron liga</i> | 0.519725 | | | | | |
| <i>Viscum album</i> | 0.519725 | | | | | |
| <i>Viscum crassul</i> | 0.519725 | | | | | |
| <i>Viscum scurruloideum</i> | 0.519725 | | | | | |
| <i>Viscum minimum</i> | 0.519725 | | | | | |

| RAXML <i>all mt genes</i> | | | | | | |
|---|-------------------|------------------|----------|----------|----------|----------|
| Taxon | Substitution rate | 1-way ANOVA | | | | |
| 4 independent groups: non-parasitids, hemiparasitic, holoparasitic, Viscaceae | | | | | | |
| Substitution rates (RAXML with Viscaceae) | | | | | | |
| Data summary | | | | | | |
| | Samples | 1 | 2 | 3 | 4 | Total |
| <i>Amborella trich</i> | 0.45 | | | | | |
| <i>Liriodendron tu</i> | 0.460027 | | | | | |
| <i>Butomus umbel.</i> | 0.546915 | | | | | |
| <i>Aegilops speltol</i> | 0.528624 | | | | | |
| <i>Phoenix dactylj</i> | 0.491331 | | | | | |
| <i>Vitis vinifera</i> | 0.48716 | N | 22 | 4 | 7 | 38 |
| <i>Glycine max</i> | 0.51054 | Sx | 11.329 | 2.031278 | 3.8065 | 6.487949 |
| <i>Malus x domest</i> | 0.502548 | Mean | 0.5149 | 0.50782 | 0.5437 | 1.29759 |
| <i>Citrullus lanatu</i> | 0.500209 | Sx2 | 5.85 | 1.0322 | 2.0736 | 8.551823 |
| <i>Cucurbita pepo</i> | 0.520435 | Variance | 0.000873 | 0.000259 | 0.000618 | 0.033282 |
| <i>Ricinus commu</i> | 0.501963 | Std. Dev. | 0.029549 | 0.016079 | 0.0248 | 0.182432 |
| <i>Populus tremul</i> | 0.52545 | Std. Error | 0.0063 | 0.007862 | 0.009393 | 0.081586 |
| <i>Geranium mad.</i> | 0.592562 | | | | | |
| <i>Brassica carina</i> | 0.525093 | | | | | |
| <i>Gossypium hirs</i> | 0.511083 | | | | | |
| <i>Vaccinium mac.</i> | 0.517457 | | | | | |
| <i>Daucus carota</i> | 0.531828 | | | | | |
| <i>Helianthus ann</i> | 0.52933 | | | | | |
| <i>Nicotiana tabac</i> | 0.507866 | Source | SS | dF | MS | F |
| <i>Asclepias syriac</i> | 0.522195 | Treatment | 2.629 | 3 | 0.876 | 191.07 |
| <i>Salvia miltiorrh</i> | 0.548203 | [Between groups] | | | | <.0001 |
| <i>Erythraite gutt</i> | 0.518825 | Error | 0.156 | 34 | 0.004587 | |
| <i>Cassitha pubes</i> | 0.484363 | Ss/BI | | | | |
| <i>Krameria lance</i> | 0.513483 | Total | 2.785 | 37 | | |
| <i>Oxyris alba</i> | 0.512532 | | | | | |
| <i>Loranthus euroj</i> | 0.55266 | | | | | |
| <i>Cytinus hypocis</i> | 0.569217 | | | | | |
| <i>Cytinus hypocis</i> | 0.561156 | | | | | |
| <i>Lathraea squam</i> | 0.521048 | | | | | |
| <i>Lathraea clades</i> | 0.522013 | | | | | |
| <i>Langsdorffia hy</i> | 0.569032 | | | | | |
| <i>Cynomorium co</i> | 0.5209 | | | | | |
| <i>Pholisma sonor</i> | 0.511378 | | | | | |
| <i>Phoradendron l</i> | 1.621477 | | | | | |
| <i>Viscum album</i> | 1.198901 | | | | | |
| <i>Viscum crassul</i> | 1.254727 | | | | | |
| <i>Viscum scurrul</i> | 1.209843 | | | | | |
| <i>Viscum minimum</i> | 1.203001 | | | | | |