**Supplemental Table S1.**

The COI genetic distances between species in the genus *Calopteryx*. The distances between *Calopteryx samarcandica* and other species are shaded grey.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | **Taxon 1** | **Taxon 2** | **Distance** | **SD** | | *splendens* | *xanthostoma* | 0.26% | 0.08% | | *samarcandica* | *xanthostoma* | 3.28% | 0.73% | | *samarcandica* | *splendens+xanthostoma* | 3.47% | 0.72% | | *samarcandica* | *splendens* | 3.49% | 0.73% | | *splendens* | *japonica* | 6.61% | 1.04% | | *splendens+xanthostoma* | *japonica* | 6.62% | 1.04% | | *xanthostoma* | *japonica* | 6.66% | 1.05% | | *samarcandica* | *japonica* | 8.19% | 1.19% | | *splendens* | *virgo* | 10.95% | 1.32% | | *splendens+xanthostoma* | *virgo* | 10.96% | 1.36% | | *virgo* | *xanthostoma* | 11.04% | 1.33% | | *samarcandica* | *virgo* | 11.40% | 1.38% | | *maculata* | *aequabilis* | 13.14% | 2.31% | | *haemorroidalis* | *aequabilis* | 13.40% | 2.17% | | *virgo* | *japonica* | 14.66% | 1.66% | | *samarcandica* | *aequabilis* | 14.94% | 2.41% | | *splendens* | *aequabilis* | 15.18% | 2.41% | | *splendens+xanthostoma* | *aequabilis* | 15.20% | 2.41% | | *xanthostoma* | *aequabilis* | 15.33% | 2.45% | | *splendens* | *haemorrhoidalis* | 15.55% | 1.67% | | *splendens+xanthostoma* | *haemorroidalis* | 15.55% | 1.72% | | *haemorrhoidalis* | *xanthostoma* | 15.58% | 1.66% | | *virgo* | *aequabilis* | 15.69% | 2.48% | | *haemorrhoidalis* | *japonica* | 17.07% | 1.82% | | *samarcandica* | *haemorrhoidalis* | 17.17% | 1.83% | | *virgo* | *haemorrhoidalis* | 17.48% | 1.86% | | *japonica* | *aequabilis* | 18.40% | 3.11% | | *virgo* | *maculata* | 19.66% | 1.99% | | *splendens* | *maculata* | 20.15% | 2.00% | | *splendens+xanthostoma* | *maculata* | 20.16% | 1.95% | | *xanthostoma* | *maculata* | 20.25% | 2.02% | | *samarcandica* | *maculata* | 20.27% | 2.08% | | *haemorrhoidalis* | *maculata* | 21.00% | 2.00% | | *japonica* | *maculata* | 22.70% | 2.38% | |

Internal divergence over sequences of *Calopteryx* taxa used in this study.

|  |  |  |
| --- | --- | --- |
| **Taxon** | **Divergence** | **Std. Err.** |
| *samarcandica* | 0.00% | 0.00% |
| *Splendens+xanthostoma* | 0.40% | 0.12% |
| *splendens* | 0.44% | 0.13% |
| *virgo* | 0.23% | 0.12% |
| *haemorrhoidalis* | 0.11% | 0.09% |
| *xanthostoma* | 0.00% | 0.00% |
| *japonica* | 0.81% | 0.31% |
| *maculata* | 6.71% | 1.13% |