

Appendix 1. The accession number of *Pterocarya* taxa and outgroups of Juglandaceae used in this study obtained from NCBI (ITS regions).

| | Taxon name | Label | Locality address and accession number | Coordinate |
|----------------------------|-----------------------------------|----------------------|---------------------------------------|-----------------------|
| Iranian Populations | <i>Pterocarya fraxinifolia</i> | IT1 | Ilam: Kabirkoooh | 33°15'20"N,47°02'23"E |
| | <i>P. fraxinifolia</i> | IT2 | Ilam: Kabirkoooh | 33°15'20"N,47°02'23"E |
| | <i>P. fraxinifolia</i> | LT1 | Lorestan: Shulabad | 33°11'05"N,49°11'38"E |
| | <i>P. fraxinifolia</i> | LT7 | Lorestan: Shulabad | 33°11'05"N,49°11'38"E |
| | <i>P. fraxinifolia</i> | HT3 | Mazandaran; Do Hezar | 36°40'06"N,51°00'29"E |
| | <i>P. fraxinifolia</i> | PT1 | Mazandaran; Nour | 36°34'42"N,52°02'54"E |
| Species obtained from NCBI | <i>P. caucasica</i> | AF179585 | | |
| | <i>P. macropteravar. delavayi</i> | KF201320 | | |
| | <i>P. hupehensis</i> | KF214260 | | |
| | <i>P. macroptera</i> | AF303814 | | |
| | <i>P. stenoptera</i> | KF201321 | | |
| | <i>P. stenoptera1</i> | AF303815 | | |
| | <i>P. stenoptera2</i> | AF303816 | | |
| | <i>P. stenoptera3</i> | AF179587 | | |
| | <i>P. tonkinensis</i> | KF201322 | | |
| | <i>P. tonkinensis1</i> | AF179586 | | |
| | <i>Juglans regia</i> | HM049903 | <i>Cyclocarya paliurus</i> | AF303817 |
| | <i>J. regia1</i> | HM049888 | <i>C. paliurus1</i> | AF179583 |
| | <i>J. regia2</i> | HM049889 | <i>C. tonkinensis</i> | KF201316 |
| | <i>J. regia3</i> | HM049890 | <i>C. illinoensis</i> | AF174619 |
| | <i>J. nigra</i> | FJ043024 | <i>C. environmental</i> | EU646181 |
| | <i>J. nigra1</i> | FJ043023 | <i>C. environmental1</i> | EU646182 |
| | <i>J. nigra2</i> | AF338490 | <i>C. environmental2</i> | EU646184 |
| | <i>J. olanchana</i> | FJ043026 | <i>C. environmental3</i> | EU646185 |
| | <i>J. olanchana1</i> | FJ043025 | <i>C. texana</i> | KF201314 |
| | <i>J. olanchana2</i> | AF179580 | <i>C. pallida</i> | KF201312 |
| <i>J. venezuelensis</i> | FJ043030 | <i>C. glabra</i> | KF201310 | |
| <i>J. venezuelensis1</i> | FJ043029 | <i>C. glabra1</i> | AF174618 | |
| <i>J. hirsuta</i> | FJ043015 | <i>C. glabra2</i> | KF201305 | |
| <i>J. hirsuta1</i> | FJ043014 | <i>C. aquatica</i> | KF201301 | |
| <i>J. steyermarkii</i> | FJ043028 | <i>C. ovata</i> | AF174620 | |
| <i>J. steyermarkii1</i> | FJ043027 | <i>C. tomentosa</i> | KF201315 | |
| | | <i>C. tomentosa1</i> | EU646134 | |

Appendix 2. Distribution map of *Pterocarya fraxinifolia* after Browicz (1982).

