

Electronic Appendix 4. Images of living specimens for representatives of *Rubus* ser. *Sylvatici* in the study area.

Rubus ferox Vest – first year stem with leaves (Hungary, Cák, 2011, photo: G. Király)



Rubus ferox Vest – infructescence (Austria, Carinthia, Linden, 2013, photo: G. Király)



Rubus ferox Vest – – above: first-year stem (Austria, Carinthia, Linden, 2013, photo: G. Király);
below: part of infructescence (Austria, Styria, Graz, 2018, photo: G. Király)



Rubus juennensis Leute & W. Maurer – above: primocane with typical leaves; below: first-year stem (Austria, Carinthia, Rückersdorf, at the type locality, 2013, photo: B. Trávníček)



Rubus juennensis Leute & W. Maurer – above: primocane with typical leaves (Austria, Carinthia, Rückersdorf, at the type locality, 2013, photo: B. Trávníček); below: first-year stem with leaves from the lower side (Austria, Lower Austria, Enzersdorf, 2016, photo: G. Király)



Rubus juennensis Leute & W. Maurer – above: inflorescence (Czech Republic, Břeclav, 2016, photo: G. Király); below: infructescence (Austria, Carinthia, Rückersdorf, at the type locality, 2013, photo: B. Trávníček)



Rubus juennensis Leute & W. Maurer – part of inflorescence (above: Austria, Carinthia, Wegscheide, 2013, photo: G. Király; below: Slovenia, Istria, 2015, photo: W. Rottensteiner)



Rubus macrophyllus Weihe & Nees – above: first-year stem with leaves; below: first-year stem (Hungary, Mikosszéplak, 2013, photo: B. Trávníček)



Rubus macrophyllus Weihe & Nees – first-year stem (Austria, Styria, Weiz, 2018, photo: G. Király)



Rubus macrophyllus Weihe & Nees – above: first-year stem with leaves (Austria, Styria, Weiz, 2018, photo: G. Király); below: typical convex leaf blade (Hungary, Mikosszéplak, 2013, photo: B. Trávníček)



Rubus macrophyllus Weihe & Nees – part of the inflorescence (Croatia, Žiškovec, 2013, photo: G. Király)



Rubus macrophyllus Weihe & Nees – infructescence (Austria, Styria, Weiz, 2018, photo: G. Király)



Rubus macrophyllus Weihe & Nees – above: part of the inflorescence; below: axis of the inflorescence (Austria, Styria, Weiz, 2018, photo: G. Király)



Rubus maureri Király, Trávníček & Žila – first-year stem with leaves (Hungary, Belezna, 2015, photo: G. Király)



Rubus maureri Király, Trávníček & Žila – leaf blades (Croatia, Molve, 2013, photo: B. Trávníček)



Rubus maureri Király, Trávníček & Žíla – first-year stem (Hungary, Belezna, 2015, photo: G. Király)



Rubus maureri Király, Trávníček & Žíla – above: inflorescence (Croatia, Žiškovec, 2013, photo: G. Király); below: part of the inflorescence (Hungary, Órtilos, 2016, photo: G. Király)



Rubus maureri Király, Trávníček & Žila – infructescence (above: Hungary, Belezna, 2015, photo: G. Király; below: Croatia, Molve, 2013, photo: B. Trávníček)



Rubus maureri Király, Trávníček & Žila – inflorescence axis and pedicels (note the presence of stalked glands!) (Croatia, Molve, 2013, photo: B. Trávníček)



Rubus salzmännii W. Maurer – first-year stem with leaves (Austria, Styria, Kirchbach in Steiermark, at the type locality, 2013, photo: B. Trávníček)



Rubus salzmannii W. Maurer – first-year stem (above: Hungary, Belezna, 2015, photo: G. Király;
below: Croatia, Brezje, 2017, photo: G. Király)



Rubus salzmännii W. Maurer – above: first-year stem with leaves (Croatia, Brezje, 2017, photo: G. Király); below: infructescence (Hungary, Belezna, 2015, photo: G. Király)



Rubus salzmännii W. Maurer – infructescence (Austria, Styria, Kirchbach in Steiermark, at the type locality, 2013, photo: B. Trávníček)



Rubus salzmännii W. Maurer – above: inflorescence (Croatia, Žiškovec, 2013, photo: G. Király);
below: part of the infructescence (Austria, Styria, Kirchbach in Steiermark, at the type locality,
2018, photo: G. Király)



Rubus venosus W. Maurer – above: a typical stand (Slovenia, Korovci, 2012, photo: G. Király);
below: first-year stem with leaves (Slovenia, Nunska Graba, 2013, photo: B. Trávníček)



Rubus venosus W. Maurer – first-year stem (above: Slovenia, Nunska Graba, 2013, photo: B. Trávníček; below: Slovenia, Korovci, 2012, photo: G. Király)



Rubus venosus W. Maurer – above: typical leaf of the first-year stem (Slovenia, Nunska Graba, 2013, photo: B. Trávníček); below: inflorescence (Croatia, Macinec, 2013, photo: G. Király)



Rubus venosus W. Maurer – infructescences (Slovenia, Nunska Graba, 2013, photo: B. Trávníček)



Rubus wimmerianus (Sprib. ex Sudre) Sprib. – first year-stems with leaves (above: Hungary, Rőjtökmuzsaj, 2015; below: Hungary, Réde, 2012; photo: G. Király)



Rubus wimmerianus (Scrib. ex Sudre) Scrib. – part of first year-stem and underside of a leaf
(Hungary, Réde, 2012; photos: G. Király)



Rubus wimmerianus (Scrib. ex Sudre) Scrib. – above: first year-stem (Austria, Enzersdorf, 2016; photo: G. Király); below: infructescences (Czech Republic, Bukovinka, 2013; photo: G. Király)

