Figure S1. Life cycle forms of *Melaphis asafitchi*. A. Aggregation of sexuparae. Several sexuals also present; Gatineau Park, Québec, 21 May 2014. B. Aggregation of sexuales; Chaffeys Lock, Ontario, 20 May 2014. C. Male and sexual female in copula. D–E. Sexual female with first instar fundatrix, Chaffeys Lock, Ontario, 4 June 2014. D. Final phase of deposition of fundatrix contained within ovarial membrane. E. Fundatrix after eclosion; remains of ovarial membrane under left metatibia. F–G, K. Mallorytown, Ontario, 16 June 2014. F. Group of first instar fundatrices on abaxial surface of leaflets waiting for leaflets to unfold. G. First instar fundatrix in early stage of gall, observed though gall aperture on adaxial surface of leaflet, before closure. H–J. Saint-Michel-de Bellechasse, Québec, 28 July 2014. H. Cross section of young gall containing adult fundatrix (wax covered individual at apex of gall) with mature and immature fundatrigeniae. I. Projections of gall on adaxial surface of leaflet. J. Cross section of neck of gall showing closure of original opening (line represents plane of leaf blade). K. Apterous adults and larvae on moss.

