

Appendix 3: Autogamy - additions 2016

Mechanisms of autogamy

1. Forward bending of the anther
2. Movement of the pollinia
 - a. rotation of the pollinia
 - b. bending of the caudicle
3. Pollen fragments fall onto the stigmatic surface
4. Entire pollinium falls onto the stigmatic surface
5. Viscidium is ineffective or absent
6. Reduction of the clinandrium
7. Autogamous pollination in a late stage of flower development
8. Dehydration and wide opening of the anther

Genus / Species	Reference	Pollination mechanism	Remarks
<i>Cephalanthera rubra</i>	Hagerup 1952 ; Claessens <i>et al.</i> 2015	5-2a	very rare
<i>Dactylorhiza sambucina</i>	Jersáková & Kindlmann 2004		rare
<i>Epipactis collaris</i>	Hertel & Presser 2015	3-5-6	
<i>Epipactis helleborine</i> subsp. <i>minor</i>	Antonopoulos <i>et al.</i> 2011, Bergfeld & Berlinghof 2011	3-5-6	facultative autogamy
<i>Epipactis nordeniorum</i> subsp. <i>maricae</i>	Croce <i>et al.</i> 2011; Hertel & Presser 2015	3-5-6	
<i>Epipactis pinovica</i>	Hertel <i>et al.</i> 2014	3-5-6	
<i>Epipactis taurica</i>	Fateryga & Kreutz 2012	3-5-6	
<i>Epipactis viridiflora</i>	Reinhardt 2011	3-5-6-7	facultative autogamy
<i>Gymnadenia conopsea</i>	Jersáková & Kindlmann 2004; Tałaaj & Skierczyński 2015; Gross & Schiestl 2015	2b, 3, 8	
<i>Platanthera bifolia</i>	Jersáková & Kindlmann 2004; Brzosko 2003	?	rare
<i>Traunsteinera globosa</i>	Claessens & Kleynen 2011	2a	