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## Evolution of the Selfing Syndrome in *Arabis alpina* (Brassicaceae)

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Supplemental Material



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- 1 **S1 Table. Linear mixed model analysis of the effect of Mating System on floral traits of *Arabis alpina*.** Cases where estimates for selfing  
 2 populations differ significantly from those of the outcrossing populations are indicated in bold.

Trait (unit of measurement)	Transformation for analysis	Mean outcrossing (untransformed)	Mean selfing (untransformed)	Model estimate (transformed) of difference between outcrossing and selfing means <sup>a</sup>	t-value	P (df=4) <sup>b</sup>
Dissection Index (mm/mm)	-	5.92	5.94	+0.03	0.31	0.771
<b>Long stamen length (mm)</b>	-	<b>8.07</b>	<b>5.65</b>	<b>-2.41</b>	<b>-9.00</b>	<b>&lt;0.001</b>
<b>Short stamen length (mm)</b>	-	<b>5.58</b>	<b>3.32</b>	<b>-2.27</b>	<b>-12.1</b>	<b>&lt;0.001</b>
<b>Angle short stamens (degrees)</b>	log <sub>e</sub>	<b>16.9</b>	<b>25.3</b>	<b>+0.39</b>	<b>4.75</b>	<b>0.009</b>
<b>Angle long stamens (degrees)</b>	Square root	<b>2.90</b>	<b>5.81</b>	<b>+0.66</b>	<b>3.75</b>	<b>0.02</b>
<b>Pollen size (µm)</b>	-	<b>19.77</b>	<b>20.84</b>	<b>+1.04</b>	<b>4.14</b>	<b>0.0144</b>
Ovary length (mm)	-	3.47	3.05	-0.48	-2.09	0.105

3 <sup>a</sup> Model Fixed part: Mating system; Random part: Population and Plant\_ID, analysed with the *lme* function in the *nlme* package in R (R-Core-Team, 2013)

4 <sup>b</sup> df: degrees of freedom. For testing differences between mating system df=4 because there were three outcrossing and three selfing populations