

CORRIGENDUM

Evolution of the self-incompatibility system in the Brassicaceae: identification of *S*-locus receptor kinase (*SRK*) in self-incompatible *Capsella grandiflora*

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In this article published online 14/06/06 and in this issue the authors have identified an error in the GenBank

accession numbers in Table 2 and Figure 3. They are reproduced correctly below.

The authors apologize for any confusion caused.

Table 2 Accession numbers of Brassicaceae taxa used in analyses

Species	Gene	Genbank accession no.
<i>A. lyrata</i>	<i>Aly</i> 13 set A	AF328990–AF328993; AF328995; AF328997; AF328998; AF329000
<i>A. lyrata</i>	<i>Aly</i> 13 set B	AY186763–AY186766; AY186770
<i>A. lyrata</i>	<i>SRK</i> a/b	AB052755; AB052756
<i>A. thaliana</i>	<i>ARK</i> 3	NM_118258
<i>A. thaliana</i>	<i>ARK</i> 1	NM_105252
<i>B. oleracea</i> / <i>B. rapa</i> / <i>B. campestris</i>	<i>SLG</i>	AB054060; D30050; AB054815; X79431; AB024417; D84468
<i>B. oleracea</i> / <i>B. rapa</i> / <i>B. campestris</i>	<i>SRK</i>	X79432; D38563; AB054698; AB054704; AB054710; AB054718; AB054725; AB054726
<i>R. sativus</i>	<i>SRK</i>	AB114846–AB114850; AB114852–AB114854
<i>R. sativus</i>	<i>SLG</i>	AB009677; AB009681; AB009684
<i>C. grandiflora</i>	Putative <i>SRK</i>	DQ530637–DQ530642
<i>C. grandiflora</i>	Putative <i>ARK</i> 3	DQ534555–DQ534562
<i>C. rubella</i>	Putative <i>ARK</i> 3	DQ534551–DQ534554

Figure 3 Neighbour-joining tree of Brassicaceae *S*-domain genes. *S*-domain genes of four genera of the Brassicaceae are clearly separated into groups I–III. To simplify the differentiation between the genera they are marked by dots in scales of grey. In group I *SRK* and *SLG* alleles of *Brassica* species and *R. sativus* are clustered, exclusively (dark grey/light grey dots). Putative *SRK* alleles of *C. grandiflora* (black dots) cluster within *A. lyrata* *SRK* alleles (circles) in group II. The latter were subdivided into set A and set B by Charlesworth *et al* (2003a) due to striking separation of subsets in all of their gene trees, which is reported recently to be correlated with different dominance classes (Prigoda *et al*, 2005). Interestingly, *Capsella* putative *s*-alleles appear to show the same subdivision, suggesting that this subdivision predates separation of the genera *Arabidopsis* and *Capsella*. Note, that *Cgr SRK* 3 is closer to *Aly* 13-1 than to any other *Cgr SRK* allele, indicating that the two genera might share an ancient allele. Group III contains the *ARK* 3 gene of *A. thaliana* and its putative orthologue in *C. grandiflora* and *C. rubella*. Phylogeny was constructed using the Kimura 2-parameter distance measure and the neighbour-joining procedure. Numbers on branches represent bootstrap values >65% and are based on 1000 replicates.

