

**Table S1. Frequency of fusion between primary inflorescence stem and pedicels**

Genotype	Number of plants with observed fusion/total plants examined	%
Col	0/16	0
<i>lof1-1</i>	0/16	0
<i>cuc1-13</i>	0/16	0
<i>cuc2-3</i>	0/16	0
<i>cuc3-105</i>	7/16	44
<i>lof1 cuc1</i>	0/16	0
<i>lof1 cuc2</i>	28/31	90
<i>lof1 cuc3</i>	32/32	100