

Supplemental Table S1. Primer combinations used for the map-based cloning of *mtkas-1*. The marker positions on chromosome II are indicated by the respective BAC clones. Expected fragment lengths and the sizes of the restriction fragments including the restriction enzyme for CAPS markers are indicated. Except *er*, *ve017*, and *m246* (TAIR; www.arabidopsis.org), markers were designed using information from the Monsanto LER sequence collection (Jander *et al.*, 2002).

Marker	BAC	Primer 1	Primer 2	Enzyme	Fragment length (bp)	
					Col-0	Ler
<i>er</i>	T1D16	5'-GAGTTTATTCTGTGCCAAGTCCCTG	5'-CTAATGTAGTGATCTGCGAGGTAATC	<i>Dde</i> I	550	360 & 140
<i>ve017</i>	T1J8	5'-GAGCAATCCAGTAGAGGATA	5'-CTTGAAGCTTAAATCTCAGC	<i>Pst</i> I	214 & 143	357
<i>m246</i>	F19B11	5'-GCTTGAACTCCTCCTCCTTC	5'-TGAAGAGCTATCCGAGATGG	<i>Mae</i> III	1354	1122 & 232
<i>CER452464</i>	F5G3	5'-GATCGGTCTGAAATCCTGCATCAG	5'-GCTACACACTACTTTTCGGGTCTG		356	313
<i>CER452076</i>	F3L12	5'-GGTTTTATACATTTTTTTCACATGCAGG	5'-CTGATCGGTTGATGGAATCTACTTC		215	153
<i>CER432474</i>	F7D11	5'-GCGCCTAAAACGTTTAATCATAGTC	5'-CAAAGCGGTTACTAAAGTGGTCTAG	<i>Ssp</i> I	347	185 & 162
<i>CER444776/8</i>	T23O15	5'-GTAGACATGGATCCATCAAATCTC	5'-AGAACCGGAGCTTTATGTAAAGAC	<i>Xba</i> I	701	555 & 146