

Supplementary Table 1

Arabidopsis homologue	TAIR accession	Apple gene name	HFTH1 apple model	HFTH1 locus	NCBI Accession	Models from alternative apple genomes
<i>AGAMOUS, AG</i>	AT4G18960.1	<i>MADS15</i>	HF18176-RA	Chr10 37.7 Mb	AJ251118* HM122606 XM_008385324	MDP0000324166 <sup>1</sup> MD10G1271000 <sup>2</sup>
		<i>MADS115</i>	HF11889-RA	Chr5 42.4 Mb	XM_008373305	MDP0000250080 <sup>1</sup> MD05G1293700 <sup>2</sup>
<i>SHATTERPROOF 1/2, SHP1/2</i>	AT3G58780.1; AT2G42830.2	<i>MADS14</i>	HF34101-RA	Chr9 12.1 Mb	AJ251117 HM122598 XM_008382010	MDP0000324259 <sup>1</sup> MD09G1155200 <sup>2</sup>
		<i>MADS114</i>	HF29031-RA	Chr17 12.7 Mb	AF401637 XM_008344154	MDP0000242009 <sup>1</sup> MD17G1141300 <sup>2</sup>
<i>SEEDSTICK, STK</i>	AT4G09960.1	<i>MADS10</i>	HF34788-RA <sup>†</sup>	Chr8 27.9 Mb	AJ000762 HM122602 XM_008380510	MDP0000483351 <sup>1,††</sup> MD08G1216500 <sup>2</sup>
		<i>MADS110</i>	HF17300-RA	Chr15 51.5 Mb	AB370211	MDP0000268317 <sup>1,††</sup> MD15G1403600 <sup>2</sup>

\*AJ251118 is a hybrid of *MADS15* and *MADS115* not found in apple genome constructions.

† Concatenated model. †† Partial model. <sup>1</sup> Velasco, *et al.*, 2010. <sup>2</sup> Daccord, *et al.*, 2017.