

Table S2 Gene information within the candidate interval

Gene	<i>A.thaliana</i> gene	Annoation
<i>BraA06g037590.3.5C</i>	<i>AT3G29780</i>	Member of a diversely expressed predicted peptide family showing sequence similarity to tobacco Rapid Alkalinization Factor (RALF), and is believed to play an essential role in the physiology of <i>Arabidopsis</i>
<i>BraA06g037600.3.5C</i>	<i>AT3G29770</i>	Encodes a protein predicted to act as a carboxylesterase
<i>BraA06g037610.3.5C</i>	<i>AT3G29670</i>	Encodes a malonyltransferase that may play a role in phenolic xenobiotic detoxification
<i>BraA06g037620.3.5C</i>	<i>AT3G29635</i>	HXXXD-type acyl-transferase family protein
<i>BraA06g037630.3.5C</i>	<i>AT3G29635</i>	HXXXD-type acyl-transferase family protein
<i>BraA06g037640.3.5C</i>	-	-
<i>BraA06g037650.3.5C</i>	<i>AT3G29575</i>	ABI five binding protein 3
<i>BraA06g037660.3.5C</i>	<i>AT3G29400</i>	A member of EXO70 gene family, putative exocyst subunits, conserved in land plants.
<i>BraA06g037670.3.5C</i>	<i>AT3G29380</i>	Encodes a TFIIB-related protein expressed in the reproductive organs and seeds.
<i>BraA06g037680.3.5C</i>	<i>AT3G39280</i>	Member of Alpha-Expansin Gene Family
<i>BraA06g037690.3.5C</i>	<i>AT3G39320</i>	UDP-glucose 6-dehydrogenase family protein
<i>BraA06g037700.3.5C</i>	<i>AT3G29350</i>	Encodes AHP2, one of the six <i>Arabidopsis thaliana</i> histidine phosphotransfer proteins (AHPs)
<i>BraA06g037710.3.5C</i>	-	-
<i>BraA06g037720.3.5C</i>	<i>AT3G29320</i>	Encodes a plastidic alpha-glucan phosphorylase
<i>BraA06g037730.3.5C</i>	<i>AT1G77840</i>	Translation initiation factor IF2/IF5
<i>BraA06g037740.3.5C</i>	<i>AT3G29310</i>	Calmodulin-binding protein-like protein
<i>BraA06g037750.3.5C</i>	<i>AT3G29290</i>	Pentatricopeptide repeat (PPR) superfamily protein
<i>BraA06g037760.3.5C</i>	<i>AT3G29280</i>	Hypothetical protein
<i>BraA06g037770.3.5C</i>	<i>AT3G28810</i>	Mediator of RNA polymerase II transcription subunit-like protein
<i>BraA06g037780.3.5C</i>	<i>AT3G29270</i>	RING/U-box superfamily protein