

Additional file 7: Table S5. Genes in the mapping interval on the chromosome A02 and their orthologs in *Arabidopsis*.

Gene ID	Position (bp)	Homologue in <i>A. thaliana</i>	Gene function
<i>BnaA02g30210D</i>	chrA02:21892059-21892443	AT5G48490.1	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
<i>BnaA02g30220D</i>	chrA02:21897708-21898935	AT5G48500.1	Uncharacterized protein
<i>BnaA02g30230D</i>	chrA02:21905151-21907039	AT5G38220.3	Alpha/beta-Hydrolases superfamily protein
<i>BnaA02g30240D</i>	chrA02:21922533-21922881	AT5G48560.1	Transcription factor <i>bHLH78</i>
<i>BnaA02g30250D</i>	chrA02:21923207-21926710	AT4G16890.1	Disease resistance protein
<i>BnaA02g30260D</i>	chrA02:21926798-21930428	AT5G51630.2	Disease resistance protein
<i>BnaA02g30270D</i>	chrA02:21934212-21936672	AT5G48560.1	Putative <i>bHLH</i> transcription factor
<i>BnaA02g30280D</i>	chrA02:21936812-21936924		PREDICTED: Brassica napus transcription factor <i>bHLH78</i> -like
<i>BnaA02g30290D</i>	chrA02:21938935-21940337	AT5G48580.1	Peptidyl-prolyl cis-trans isomerase <i>FKBP15-2</i>
<i>BnaA02g30300D</i>	chrA02:21944673-21951722	AT5G51630.1	Disease resistance protein
<i>BnaA02g30310D</i>	chrA02:21955728-21958153	AT3G07270.2	GTP cyclohydrolase I
<i>BnaA02g30320D</i>	chrA02:21961765-21963075	AT5G13930.1	Chalcone synthase
<i>BnaA02g30330D</i>	chrA02:21979040-21981843	AT1G14800.1	Predicted protein
<i>BnaA02g30340D</i>	chrA02:21984480-21984810	AT5G13930.1	Chalcone synthase
<i>BnaA02g30350D</i>	chrA02:21985298-21987016	AT5G48630.1	Cyclin-C1-2
<i>BnaA02g30360D</i>	chrA02:21990969-21993198	AT5G48640.1	Cyclin family protein
<i>BnaA02g30370D</i>	chrA02:21993664-21994959	AT5G48655.3	RING/U-box domain-containing protein
<i>BnaA02g30380D</i>	chrA02:21995437-21996668	AT5G48660.1	PREDICTED: B-cell receptor-associated protein 31-like isoform X1
<i>BnaA02g30390D</i>	chrA02:21997365-21999287	AT5G48720.2	Protein XRI1
<i>BnaA02g30400D</i>	chrA02:22000709-22002975	AT5G48760.2	60S ribosomal protein L13A
<i>BnaA02g30410D</i>	chrA02:22004795-22006340	AT4G38830.1	Cysteine-rich receptor-like protein kinase 26

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Gene ID	Position (bp)	Homologue in <i>A. thaliana</i>	Gene function
<i>BnaA02g30420D</i>	chrA02:22006708-22007330	AT5G44620.1	Cytochrome P450
<i>BnaA02g30430D</i>	chrA02:22016679-22018973	AT5G48830.1	Unknown protein
<i>BnaA02g30440D</i>	chrA02:22020346-22020772	AT5G48840.1	Pantoate-beta-alanine ligase
<i>BnaA02g30450D</i>	chrA02:22021041-22023175	AT5G48850.1	Male sterility MS5 family protein
<i>BnaA02g30460D</i>	chrA02:22041388-22042414	AT5G48870.1	Sm-like protein
<i>BnaA02g30470D</i>	chrA02:22042463-22045797	AT5G48880.3	KAT5/PKT1/PKT2 peroxisomal 3-keto-acyl-CoA thiolase