

BAC	Insert size (kb)	Gene	Gene length (bp)	Protein length (aa)	No. introns	Identity			
						Plants	<i>Arabidopsis</i>	<i>A. majus</i> EST	Description
OVATE	111.3	Ov1	4133	366	2	AAG01120 (tomato)	At5g66740	AJ807510	Hypothetical protein
		Ov2	14403	1360	7	At4g36670 (<i>Arabidopsis</i>)	At4g36670	-	Mannitol transporter
		Ov3	2413	769	0	CAB82966 (<i>Arabidopsis</i>)	At1g18560	-	hAT transposon
		Ov4	7862	294	0	ANN17752 (tomato)	At2g18500	-	Ovate
		Ov5	4345	701	3	AAU44075 (rice)	At3g55340	AJ798384	RNA-binding protein (RRM)
		Ov6	2191	423	0	At4g36680 (<i>Arabidopsis</i>)	At4g36680	AJ796087	PPR repeat protein
		Ov7	10725	763	12	AAG01125 (tomato)	At5g49530	AJ96132	SIN-like protein
		Ov8	11509	458	5	At4g16580 (<i>Arabidopsis</i>)*	At4g16580	AJ559066	azr-1-like protein
		Ov9	10108	805	7	BAB78478 (<i>C. maxima</i>)	At2g18540	-	Cupin-family protein
		Ov10	7153	1414	2	CAB77781 (<i>Arabidopsis</i>)	-	-	Copia retroelement
		Ov11	3064	527	0	AAG01129 (tomato)	At4g36710	-	Scarecrow-like protein
		Ov12	8352	365	10	AAK14790 (<i>C. roseus</i>)	At4g36730	AJ795447	bZIP transcription factor
		Ov13	3874	578	0	At5g15010 (<i>Arabidopsis</i>)	At5g15010	-	PPR repeat protein
		Ov14	4863	397	6	At5g66710 (<i>Arabidopsis</i>)	At5g66710	-	ATN1 kinase-like
		Ov15	>2446	>149	>2	BAB18163 (<i>Z. elegans</i>)	At4g36740	AJ791660	Homeobox transcription factor

BLASTP was used to identify the closest matches from the *Viridiplantae* (Plants) and *Arabidopsis* datasets. TBLASTN was used to identify matching *Antirrhinum* ESTs. Only those ESTs that gave a significant e-value ($<10^{-55}$) and aligned well to the predicted genes are listed.

**Arabidopsis* protein At5g66720 also scored highly in BLAST homology searches (see Figure 1A).

BAC accession number: OVATE – FJ404770.