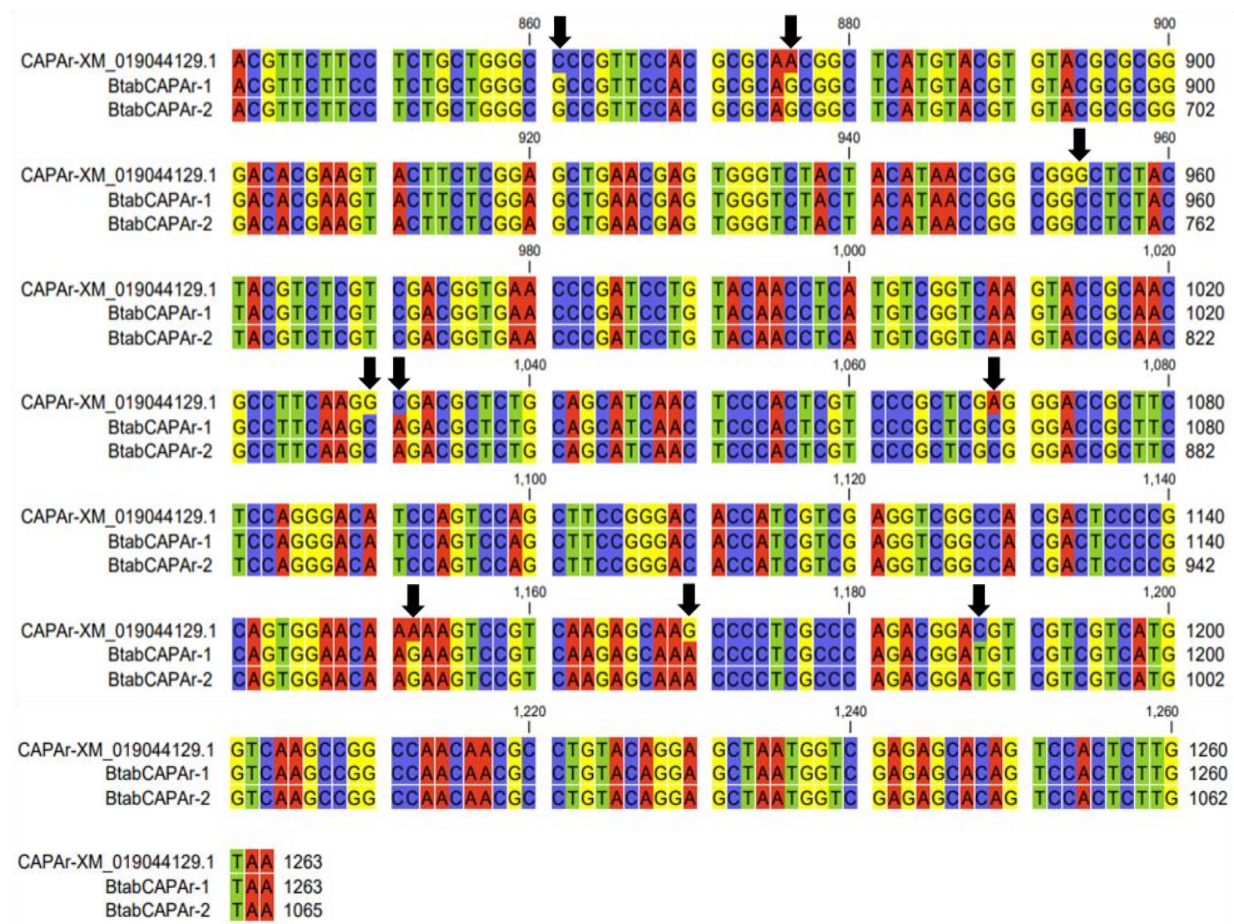


CAPAr-XM_019044129.1	ATGGA	TGGTC	TGG	CC	TTCTA	CAACT	CGAGC	AGCT	ATGAGG	ACCC	ATTGCA	CAC	CTC	AGA	AAC	60
BtabCAPAr-1	ATGGA	TGGTC	TGG	CC	TTCTA	CAACT	CGAGC	AGCT	ATGAGG	ACCC	ATTGCA	CAC	CTC	AGA	AAC	60
BtabCAPAr-2	ATGGA	TGGTC	TGG	CC	TTCTA	CAACT	CGAGC	AGCT	ATGAGG	ACCC	ATTGCA	CAC	CTC	AGA	AAC	60
CAPAr-XM_019044129.1	GAG	ACG	CTGG	AGC	AACTGTT	GAA	CCGGGTT	CGGGGG	CCGA	AACA	CCTCC	GTTGG	AGATC			120
BtabCAPAr-1	GAG	ACG	CTGG	AGC	AACTGTT	GAA	CCGGGTT	CGGGGG	CCGA	AACA	CCTCC	GTTGG	AGATC			120
BtabCAPAr-2	GAG	ACG	CTGG	AGC	AACTGTT	GAA	CCGGGTT	CGGGGG	CCGA	AACA	CCTCC	GTTGG	AGATC			120
CAPAr-XM_019044129.1	GTCC	TGCCA	TAACT	ATCGT	CTAC	GTTTCC	ATTTT	CTTGA	CCGGGG	TTGC	CGGG	AACCTC				180
BtabCAPAr-1	GTCC	TGCCA	TAACT	ATCGT	CTAC	GTTTCC	ATTTT	CTTGA	CCGGGG	TTGC	CGGG	AACCTC				180
BtabCAPAr-2	GTCC	TGCCA	TAACT	ATCGT	CTAC	GTTTCC	ATTTT	CTTGA	CCGGGG	TTGC	CGGG	AACCTC				180
CAPAr-XM_019044129.1	GCCGT	CTGCC	TGGT	CATCGT	CCG	CAACTCT	TCC	ATGCACA	CGG	CCACCA	CTACT	ACCTC				240
BtabCAPAr-1	GCCGT	CTGCC	TGGT	CATCGT	CCG	CAACTCT	TCC	ATGCACA	CGG	CCACCA	CTACT	ACCTC				240
BtabCAPAr-2	GCCGT	CTGCC	TGGT	CATCGT	CCG	CAACTCT	TCC	ATGCACA	CGG	CCACCA	CTACT	ACCTC				240
CAPAr-XM_019044129.1	TTCA	ACCTGG	CTGT	CTCCGA	TCT	AAACCTC	CTCCT	CTTTAG	GATT	GCCAAA	TGAC	CTT	AGT			300
BtabCAPAr-1	TTCA	ACCTGG	CTGT	CTCCGA	TCT	AAACCTC	CTCCT	CTTTAG	GATT	GCCAAA	TGAC	CTT	AGT			300
BtabCAPAr-2	TTCA	ACCTGG	CTGT	CTCCGA	TCT	AAACCTC	CTCCT	CTTTAG	GATT	GCCAAA	TGAC	CTT	AGT			300
CAPAr-XM_019044129.1	GTGT	ATTGGC	AGC	AGTATCC	CTGG	ATGTTT	GGGGT	AGCGT	TATG	CAAACT	GAG	AGCTTTA				360
BtabCAPAr-1	GTGT	ATTGGC	AGC	AGTATCC	CTGG	ATGTTT	GGGGT	AGCGT	TATG	CAAACT	GAG	AGCTTTA				360
BtabCAPAr-2	GTGT	ATTGGC	AGC	AGTATCC	CTGG	ATGTTT	GGGGT	AGCGT	TATG	CAAACT	GAG	AGCTTTA				360
CAPAr-XM_019044129.1	GTCT	CGGAAA	TGG	CCTCATA	TCT	CAGCTGC	CTGA	CAATCC	TGG	GTTTCTC	GAT	GGAGCGG				420
BtabCAPAr-1	GTTT	CGGAAA	TGG	CCTCGTA	TCT	CAGCTGC	CTGA	CAATCC	TGG	GTTTCTC	GAT	GGAGCGG				420
BtabCAPAr-2	GTTT	CGGAAA	TGG	-----	-----	-----	-----	-----	-----	-----	-----	-----				373
CAPAr-XM_019044129.1	TATCT	TGGCCA	TTTGT	CATCC	GCTG	CATTCC	TATG	CCATGG	CCGGG	CTCCG	GCGGG	CCGTT				480
BtabCAPAr-1	TATCT	TGGCCA	TTTGT	CATCC	GCTG	CATTCC	TATG	CCATGG	CCGGG	CTCCG	GCGGG	CCGTT				480
BtabCAPAr-2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----				373
CAPAr-XM_019044129.1	CGCAT	CATCG	CCGT	CCTCTG	GGT	CCTGGCC	CTCCT	CGGCG	CCT	CCGCCCTT	CGC	AGCCTTC				540
BtabCAPAr-1	CGCAT	CATCG	CCGT	CCTCTG	GGT	CCTGGCC	CTCCT	CGGCG	CCT	CCGCCCTT	CGC	AGCCTTC				540
BtabCAPAr-2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----				373
CAPAr-XM_019044129.1	ACCA	CTGTCA	ATT	ACATAGA	CTAC	CCCCCA	GGTT	GGGGCC	TTCT	GGTGTA	CGA	GAGTGA				600
BtabCAPAr-1	ACCA	CTGTCA	ATT	ACATAGA	CTAC	CCCCCA	GGTT	GGGGCC	TTCT	GGTGTA	CGA	GAGTGA				600
BtabCAPAr-2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----				402
CAPAr-XM_019044129.1	TTCT	TGCGCA	TGCT	TGGA	CTC	GAA	CATG	CCT	GCC	AATTGCC	CCAT	ATATGA	ACT	GAGTTT		660
BtabCAPAr-1	TTCT	TGCGCA	TGCT	TGGA	CTC	GAA	CATG	CCT	GCC	AATTGCC	CCAT	ATATGA	ACT	GAGTTT		660
BtabCAPAr-2	TTCT	TGCGCA	TGCT	TGGA	CTC	GAA	CATG	CCT	GCC	AATTGCC	CCAT	ATATGA	ACT	GAGTTT		462
CAPAr-XM_019044129.1	CTAA	TTTTTCT	TCCT	CATTCC	AATG	CTCATT	ATCAT	AGTTT	TATAC	GTCCG	GATAG	GCCTTG				720
BtabCAPAr-1	CTAA	TTTTTCT	TCCT	CATTCC	AATG	CTCATT	ATCAT	AGTTT	TATAC	GTCCG	GATAG	GCCTTG				720
BtabCAPAr-2	CTAA	TTTTTCT	TCCT	CATTCC	AATG	CTCATT	ATCAT	AGTTT	TATAC	GTCCG	GATAG	GCCTTG				522
CAPAr-XM_019044129.1	AAAA	TTGAA	AGC	GAAATAG	GC	ATTCTCTG	GGC	AAGAGAG	TGG	AGGGCAC	TGTT	CACGGA				780
BtabCAPAr-1	AAAA	TTGAA	AGC	GAAATAG	GC	ATTCTCTG	GGC	AAGAGAG	TGG	AGGGCAC	TGTT	CACGGA				780
BtabCAPAr-2	AAAA	TTGAA	AGC	GAAATAG	GC	ATTCTCTG	GGC	AAGAGAG	TGG	AGGGCAC	TGTT	CACGGA				582
CAPAr-XM_019044129.1	GAAA	CTAAAA	ACTT	CCAGTC	TAG	AAAGTCT	ATT	ATTAGAA	TGTT	AAGTGC	AGTT	GTGATA				840
BtabCAPAr-1	GAAA	CTAAAA	ACTT	CCAGTC	TAG	AAAGTCT	ATT	ATTAGAA	TGTT	AAGTGC	AGTT	GTGATA				840
BtabCAPAr-2	GAAA	CTAAAA	ACTT	CCAGTC	TAG	AAAGTCT	ATT	ATTAGAA	TGTT	AAGTGC	AGTT	GTGATA				642



Supplementary Fig. S1 Nucleotide sequence alignment of *BtabCAPAr-1* and *BtabCAPAr-2* isoforms of *Bemisia tabaci* Asia II-1 with the predicted *B. tabaci* CAPAr sequence (XM_019044129.1). The arrows depict the nucleotide substitutions. The arrow bar depicts the missing nucleotides in *BtabCAPAr-2* isoform.

Supplementary Table S1 Relative gene expression of *BtabCAPAr* gene deduced using $2^{\Delta\Delta Ct}$ method in *B. tabaci* egg, nymphal instars and adults of uniform age.

Whitefly life stages	Relative gene expression ($2^{\Delta\Delta Ct}$)		
	Experiment 1	Experiment 2	Pooled data
Egg	1.0 ± 0^a	1.0 ± 0^a	1.0 ± 0^a
Nymph 1	0.84 ± 0.18^a	0.64 ± 0.12^a	0.74 ± 0.10^a
Nymph 2	1.11 ± 0.04^a	1.69 ± 0.53^a	1.40 ± 0.27^a
Nymph 3	0.75 ± 0.13^a	1.14 ± 0.08^a	0.94 ± 0.11^a
Pupa	1.46 ± 0.09^a	1.22 ± 0.16^a	1.34 ± 0.10^a
Adult	4.34 ± 0.72^b	3.18 ± 0.43^b	3.76 ± 0.46^b
Fxy value x,y = 5,12 for Experiment 1 and 2; x,y = 11,24 for pooled data	19.25	9.64	27.57

Different alphabets in superscript depict mean values to be significantly different from each other ($p \leq 0.05$, Tukey-Kramer post hoc test)