

Table S4. Validation of novel intron-exon splice variants in the *Anopheles gambiae* midgut transcriptome. Validation of novel intron-exon splice variants by qRT-PCR was done in an independent *A. gambiae* midgut sample. The primers used, amplicon size, Cufflinks class code, FPKM and detection results are indicated.

Transcript ID	Primer F	Primer R	Amplicon Size	Class code	FPKM	Detected?
TCONS_00027482	CTGGTTATAAGCATGGCCAAA	CACCTTGTCTTGCTAAATTGC	150	j	0.0678	No
TCONS_00027565	CGAGGAAATCCTACCGTTGA	TTGTTGCACACCCTTCTTA	150	j	0.0923	No
TCONS_00027489	CCACCGCACTATCTTCTTG	ATCAGCAGCAGCAAAGGAAG	150	j	0.345	No
TCONS_00005218	GACCCGGATGCTGAACCACTA	AGCAGCAGCAACAACAACAG	150	j	0.417051	Yes
TCONS_00011735	GGAACTGGTGGACGGTACTC	AAGCGAAACACCTGTTGCAT	150	j	0.429486	Yes
TCONS_00004941	CCAAAGGATGCGAATAGACC	GTTTGTCTTATTATAACTGCACTG	150	j	0.437805	Yes
TCONS_00001332	CTTCGTGAACAGCATGTAATCC	GGTCCAATCACGTCCAG	150	j	0.444943	Yes
TCONS_00013786	GGATGCAAAATCGAGTACAGAAA	GCTTCCGGTCAATGTCTAGC	150	j	0.449991	Yes
TCONS_00011161	AGACAGGCTGTTTCGACGTTT	CCTTGAAGATAAAACAACAACAA	150	j	0.474432	Yes
TCONS_00020202	TTTCGGAATCTTTCGCATTT	TGGAAACCAATGCTGATTTG	150	j	0.594295	Yes
TCONS_00029731	AGTGATCGTAATCGAAGCACA	GCACGCTTTTCTTCTCTTTT	150	j	0.650438	Yes
TCONS_00021567	ATGGCTATCAGCGAGATGG	GTGCAGTGAGAAATGGGGAAT	150	j	0.724242	Yes
TCONS_00026189	AGCAACTCGTGTGGTAAGC	GCTGAAGATAAGCAGCTCAA	150	j	0.925491	Yes
TCONS_00031675	CTTGTTCCGTTTGTGCGATGA	AACCACGGTGGCACCTATT	150	j	1.050692	Yes
TCONS_00027557	TCTCCGGCACAAGATGATG	AGCACATCACAACCCACA	150	j	1.254	No
TCONS_00023693	CCCATACAGCCGAGAAACAT	TCACGCAAATGATGACGAAG	150	j	1.475705	Yes
TCONS_00027440	CCGATGAAGTTGTCCAGGAT	GATACTGGCGCTCACCAAC	150	j	2.013	No
TCONS_00028689	GACGTCGTTGCGGAATTACT	CATCAACAAGCAGCAGCAC	150	j	2.733843	Yes
TCONS_00031369	CTACCGGGCCATTATTCTGT	GATACTTCTCCCGCTGCT	150	j	3.817812	Yes
TCONS_00023667a	TGCAAGATAGACGCAATTGAA	CGCCATTTTAACTATTCTGA	150	j	3.97981	Yes
TCONS_00023667b	TCAGCGTTCTCAGCAATGTC	TCTGCTTAGCTCCACAGCA	150	j	3.97981	Yes
TCONS_00023667c	ACCATTCAAAGGGTTCGAGA	CCCCTGACATGGGAGTTTC	150	j	3.97981	Yes
TCONS_00031187	CAAACAATAGGGGAAAGAGC	GTGTAAGCGCCATCAAAGC	150	j	4.592884	Yes
TCONS_00015197	GCAATTCTGGTTGCCTTTTT	CAAAGTTCCTGGATTGAAGTG	150	j	4.94972	Yes
TCONS_00001593	GCGCTTCATCATTGAAAG	GCTAAATGTAGCGCCAGAA	150	j	5.13354	Yes
TCONS_00038198	CTGCTCCAGCTCCTTCTGC	AGCTCCGAGGAGGATGAAG	150	j	6.507286	Yes
TCONS_00026773	GTCCGCGTGAACATTTGC	GTACTTGACCGGACGCATCT	150	j	6.714745	Yes
TCONS_00028562	CTGCTGCTGCTGCTGCT	CCACTTCCCTGTAGTGCCTA	150	j	6.800724	Yes
TCONS_00001007	TCGTGGTGTACTGACGCACT	GGAGCAGGGGAAATTTGTA	150	j	7.56145	Yes
TCONS_00018911	GCTTACGCTACAGCATCGTG	ATCGCTCCGAGTAGAGATGC	150	j	30.586961	Yes
TCONS_00018644	AAACAGCCAACATGCGAAAC	CCAGGTTGCGTTCGTACAG	150	j	69.855885	Yes

\* Cufflinks class codes:

j Potentially novel isoform (fragment): at least one splice junction is shared with a reference transcript.