

APPENDIX**Page 2: Appendix Table S1****Page 3: Appendix Figure S1**

Appendix Table S1: Primers for RT-qPCR, RT-PCR and PCR (*Drosophila*)

Transcript	Forward	Reverse
<i>aal1</i>	CGCGTATTCCCTTTGGTGTT	GGGTCCTACATTCTTGAGGCT
<i>ckb2</i>	TCCTAAGCGCTCAATCCCTTG	CCATTGCATTGAGGTCCTG
<i>ctu1</i>	GACTACATGTGAGCGTTGCG	CACTTCCCAAACCGAGACCA
<i>act1</i>	TCCTCATGCTATCATGCGTCTT	CCACGCTCCATGAGAATCTTC
<i>ppb1</i>	CACCTGTCACTGTATGCGG	GATCCACGTAATCTCCAAGGAA
<i>rpl1901</i>	GACTTGCTGCATCCGTCC	TAACCAAACCGTCCTTAATCAAC
<i>rpl1902</i>	CGTCTTGCTGCCTCTGTTT	GACCAAACCATCCTTGACCAAT
<i>rpl1801</i>	CTGGAAGCAAACTGTTCTTG	TTACGGCCCTCAGAACGA
<i>rpl1802</i>	AGCGCTTCTCTCGAGGGT	CACCACCAGCCTTCAAGATG
<i>rps5</i>	CTACGTCGAGTCTCACCCCG	ATGTCCTTAACTTCAACGCC
<i>rps502</i>	GGCAGCCTCTATCATCCCTAAA	AGAGATATCCTTCACTTCAACACCT
<i>rps27</i>	GCAGTTTCTTCATGGATGTCAAGT	CCCTCCATAAGACGAGCCTT
<i>aal1</i> -Gene_specific_RT-reaction_primer		CATGGAATACACTATCACGACAACAT
<i>ppb1</i> -Gene_specific_RT-reaction_primer		TCAGTCATTCTACTCGCGTAA
<i>aal1</i> _Dm-cDNA-PCR	TGAAACATTGTCATCTCTTGC	GGAATACACTATCACGACAAC
<i>act</i> _Dm-cDNA-PCR		
Control_Forward_Dm-cDNA-PCR	CCGGAGTATAAATAGAGGCGC	
Control_Reverse1_Dm-cDNA-PCR		CCGGAGTATAAATAGAGGCGC
Control_Reverse2_Dm-cDNA-PCR		CGGTACCCGCCCGGGATCAG

Dm-cDNA-PCR: *Drosophila melanogaster*-cDNA-PCR

Appendix Figure S1: Biotinylated antisense oligo probes used to pull-down *aal1* in ChIRP experiments.

> aal1_ChIRP-MS_Probes

#probes 1, 3 and 7 show homology ≥ 13 bp to other transcripts and therefore not used
#Probes 2, 4, 5, 6, and 8 were used.

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1 5' tgaacattgtcatctcttgccttgtaaattgttggtggcgtgctttttaattctg
    3' acactttaacaacaaccgcg 5' (PROBE 1)
61 agaaattaattttgctctcaaaattgcttatttaatttggtatcataaataattttat
121 tattttattttattttttttttttttttttttacatatttggtgtctgtataccatgctca
    (PROBE 2) acaacagacatatgggtacg
181 attgtgtcaaataccctaataagggtgcgatttttgatgaacaattgaagactttgttttat
241 ttcccactatagaaaattaacaccggtagttttgaaggctttacttatttttagcgactg
    tatcttttaattgtgggcca (PROBE 3)
301 tgtgctcetaattaattacaagctcgattcggtgaaaacttcctttttgccacgcagacttt
    (PROBE 4) aggaaaaacggtgcgtctga
361 taattccgaaatttacacagccgagaagctgcctacagtaaacgaagtaataataaatgg
421 gcattgctaaagaattttgatgtttttgagaagtcgcattctacaatttaaattttggta
    actcttcagcgtaagatgtt (PROBE 5)
481 gaaaatatattacagaaaacagtaccaagtcagctaacttttaagccgtaacgcgtattc
541 cctttggtgtttgtggtctgctagttttcttaatccagcattcaaaaacaaggtaatttaa
    ccacaaacaccagacgatca (PROBE 6)
601 ggtctagaaacattattttgtgacttacagatccgacatttaaaatggcaaacagtatct
    (PROBE 7) ttaccgttttgtcataga
661 cgactagttggttaaacaaatttttagcctcaagaatgtaggacccttcttataattttgt
    gc
721 taaaggaaaaattcaaaaaacattcatgttgctgtagtattccatgaataaaaaat
    acagcactatcacataagggt (PROBE 8)
781 cac 3'

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