

Species	Use	Gene	Sequence	Accession number
<i>Mus musculus</i>	RT-qPCR	<i>Gapdh-F</i>	5'-ATCCTGCACCACCAACTGCT-3'	NG_047186.1
		<i>Gapdh-R</i>	5'-GGGCCATCCACAGTCTTGTC-3'	
		<i>Ambra1-F</i>	5'-CTGCCTGATAGTCCACGCTC-3'	NM_172669
		<i>Ambra1-R</i>	5'-TGTGTGGATGCCAAGAGAGTC-3'	
		<i>Stat3-F</i>	5'-CGAAAGTCAGGTTGCTGGTC-3'	NM_011486
		<i>Stat3-R</i>	5'-CTCTGAGGGCAGCAACATC-3'	
	Genotyping	<i>c-Myc-F</i>	5'-AGGCGGACACACAACGTCTT-3'	NM_001177353.1
		<i>c-Myc R</i>	5'-TGCTCGTCTCTTGAATGGA-3'	
		<i>Ambra1 KO-F</i>	5'-TGATAGTCCACGCTCGACCT-3'	NM_172669.3
		<i>Ambra1 KO-R</i>	5'-TGAACATTCCAGCTTGGTGC-3'	
		<i>Ambra1 WT-F</i>	5'-TCTGGTTGCCTAGATGGGGA-3'	NM_172669.3
		<i>Ambra1 WT-R</i>	5'-ACTCATGTTAGAGCCTCCTGC-3'	
<i>Danio rerio</i>	RT-qPCR	<i>atb2-F</i>	5'-TGGGTATGGAATCTTGCGGT-3'	NM_181601.5
		<i>atb2-R</i>	5'-GTGGGGCAATGATCTTGATC-3'	
		<i>ambra1a-F</i>	5'-TCTGTGGGACTGGAGTCG-3'	NM_001281992
		<i>ambra1a-R</i>	5'-AGCGCTGTCGGAGATGAG-3'	
	Genotyping	<i>ambra1b-F</i>	5'-AGGTGACGGACAGTCAGC-3'	NM_001302220
		<i>ambra1b-R</i>	5'-CCTACCATCACATAGCAGC-3'	
		<i>ambra1a-F</i>	5'-TGGCTGCCTGGATGGAGAG-3'	NM_001281992.1
		<i>ambra1a-R</i>	5'-GGTGCAAAAGTTGCCGTAAT-3'	
		<i>ambra1b-F</i>	5'-GAAACTCTGTGCTGATCCTGT-3'	NM_001302220.1
		<i>ambra1b-R</i>	5'-GGCTTTAAACAATTATATGCTGC-3'	

Table A1: Mice and zebrafish primers used in this work.