

Oligo Name	Sequence 5' to 3'	Amplicon Size (bp)	Purpose
<b>Nematode</b>			
<i>pmp-3</i> F	TGGTGTTCGCGATTACTGTAG	283	qRT-PCR
<i>pmp-3</i> R	GATTTGTTGTTCGCGAGAGTGG		
<i>act-1</i> F	CTACGAACTTCCTGACGGACAAG	102	qRT-PCR
<i>act-1</i> R	CCGGCCGACTCCATACC		
<i>cyp-34A9</i> F	CGAGACTCTTGCCGTAGACC	149	qRT-PCR
<i>cyp-34A9</i> R	TTCCACCGGTAACCTCTGTC		
<i>cyp-34A9</i> F	TAACCGATAGGCCAAAGACG	281	qRT-PCR
<i>cyp-34A9</i> R	ACAAGATCTCTCCCGATGC		
<i>cyp-35B1</i> F	CAAAGATGGAGCAGGAGAGG	131	qRT-PCR
<i>cyp-35B1</i> R	ATTGAATCCTGCGACCAAAG		
<i>cyp-14A3</i> F	CAAAGGACCGTTACCATTGC	283	qRT-PCR
<i>cyp-14A3</i> R	TTGAAGCCTCCAGTTGTCTC		
<i>ugt-25</i> F	ATGACTCACGGAGGTCTTGG	108	qRT-PCR
<i>ugt-25</i> R	TGCAAGCATATTCGCATTTTC		
<i>gst-4</i> F	TGCTCAATGTGCCTTACGAG	173	qRT-PCR
<i>gst-4</i> R	AGTTTTTCCAGCGAGTCCAA		
<i>gst-10</i> F	AAGAGATTGTGCAGACTGGAG	99	qRT-PCR
<i>gst-10</i> R	AGAACATGTTCGAGGAAGGTTG		
<i>clec-85</i> F	CCTGATGATAAGTATATTGGAGACCTGT GCTACTC	94	qRT-PCR
<i>clec-85</i> R	GGTTTTGGCTGTAGCACGCCGACTGAGC ATCC		
<i>ttr-44</i> F	GACGTCTGATCTGTGGAGAC	301	qRT-PCR
<i>ttr-44</i> R	TCCAGGTTGAGAACTCCAAAG		
<i>dhs-26</i> F	AACATCTGCAGGATCTTGGG	297	qRT-PCR
<i>dhs-26</i> R	CACAAAGTGATTGCCCATCC		
<i>dod-6</i> F	TCCTCGTCATCATGTCTGTC	148	qRT-PCR
<i>dod-6</i> R	CACTTCCGCAAGTCTTTGG		
<i>ugt-53</i> F	AACTTCCCTTTACCCGAAC	276	qRT-PCR
<i>ugt-53</i> R	TGTTTCGCTTTACGAATCGC		
<i>ins-2</i> F	TCTGTCTCCTTCTTCACTG	203	qRT-PCR
<i>ins-2</i> R	ACATTCTCCACATGTTGCAAGC		
<i>pph-6</i> F	ACATGGAGGACTTTACCTG	307	qRT-PCR
<i>pph-6</i> R	ATAGCAGTAGTTTGGAGCCG		
<i>dnj-14 (ok237)</i> Full F	GAAAATTGGTGATGATGCTGCAGG	WT 2590, <i>ok237</i> 361	<i>ok237</i> genotyping PCR
<i>dnj-14 (ok237)</i> Mid F	CGCCAATATCTCCAGTCTCCAATG	WT 1736, <i>ok237</i> none	
<i>dnj-14(ok237)</i> R	GTCTCCAGAGGCAGTCAACAAC		
<i>cca-1(ad1650)</i> Avery F	CCGCAATTTGCCCTCCACAT	WT 3310, <i>ad1650</i> 930	<i>ad1650</i> genotyping PCR
<i>cca-1(ad1650)</i> Avery R	ATGAGGATGGCGAAGAGGACC		
<i>cca-1(ad1650)</i> F	CGGAAATATTAAGTGCATTCTGGA	WT 1350, <i>ad1650</i> none	<i>ad1650</i> homozygotes genotyping
<i>cca-1(ad1650)</i> R	CGTGCCCTTACAACCGAACTG		

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Tau F	CAAGCTCGCATGGTCAGTAA	425	Tau genotyping
Tau R	TTCTCAGTGGAGCCGATCTT		
<b>Mouse</b>			
Ccng2 F	AGGGGTTTCAGCTTTTCGGATT	112	qRT-PCR
Ccng2 R	AGTGTTATCATTCTCCGGGGTAG		
Cdkn1a F	CCTGGTGATGTCCGACCTG	103	qRT-PCR
Cdkn1a R	CCATGAGCGCATCGCAATC		
Cdkn1b F	TCAAACGTGAGAGTGTCTAACG	103	qRT-PCR
Cdkn1b R	CCGGGCCGAAGAGATTTCTG		
Gadd45a F	AGACCCCGATAACGTGGTACT	318	qRT-PCR
Gadd45a R	TGATCCATGTAGCGACTTTCC		
Sod2 F	CAGACCTGCCTTACGACTATGG	113	qRT-PCR
Sod2 R	CTCGGTGGCGTTGAGATTGTT		
Rbl2 F	AACTTCCCCATGATTAGCGATG	97	qRT-PCR
Rbl2 R	GGTTAGAACACTGAAGGGCATT		
Cat F	GCGTCCAGTGCCTGTAGA	199	qRT-PCR
Cat R	TCAGGGTGGACGTCAGTGAA		
Eif4ebp1 F	GGGGACTACAGCACCCTC	171	qRT-PCR
Eif4ebp1 R	CTCATCGCTGGTAGGGCTA		
Bcl2l11 F	CCCGGAGATACGGATTGCAC	96	qRT-PCR
Bcl2l11 R	GCCTCGCGGTAATCATTGTC		
Gapdh F	AGGTCGGTGTGAACGGATTTG	123	qRT-PCR
Gapdh R	TGTAGACCATGTAGTTGAGGTCA		
Actb F	GGCTGTATTCCCCTCCATCG	154	qRT-PCR
Actb R	CCAGTTGGTAACAATGCCATGT		

**Table S3: Sequences of oligonucleotides used in this study**