

**Table S4:** PCR primer sequences

Quantitative PCR primers		
HD86	Dnmt2-RA forward	5'-GTTCGTCGATCATGATACTGCG -3'
HD87	Dnmt2-RC forward	5'-CTATTTAGTGGCATTGGCGGC-3'
HD88	Dnmt2 reverse	5'-GCAGCATGTTGGCCTGAAGC -3'
HD174	rp49 forward	5'-CGGATCGATATGCTAAAGCTGT -3'
HD175	rp49 reverse	5'-GCGCTTGTGATCCCGTA -3'
HD672	Drosocin forward	5'-GTCCACCACTCCAAGCAC- 3'
HD673	Drosocin reverse	5'-CTTAGGCGGGCAGAATGGG -3'
HD674	Metchnikowin forward	5'-CGCCACCGAGCTAACGATGC -3'
HD675	Metchnikowin reverse	5'-GGTTAGGATTGAAGGGCGAC -3'
HD611N	Vago forward	5'-TGCAACTCTGGGAGGATAGC -3'
HD821N	Vago reverse	5'-AATTGCCCTGCGTCAGTT -3'
HD822N	Vir-1 forward	5'-GATCCCAATTTCATCAA -3'
HD823N	Vir-1 reverse	5'-GATTACAGCTGGGTGCACAA-3'
HD824N	IM1 forward	5'-TCCACTGTCGGCCGATCC -3'
HD825N	IM1 reverse	5'-CTTGGGTTGAAACTTCTACTTGC -3'
HD826N	Cecropin A1 forward	5'-GCGTTGGTCAGCACACTC -3'
HD827N	Cecropin A1 reverse	5'-CAGTTGGCGACATTGG -3'
HDT047	DCV forward	5'-TCATCGGTATGCACATTGCT -3'
HDT048	DCV reverse	5'-CGCATAACCATGCTCTCTG -3'
HDT053	Turandot A forward	5'-GGTTGCTTCAGCCTCCAAAAGTCATAACC -3'
HDT054	Turandot A reverse	5'-ATTAAACAATTAACCAGTGAATAATTGAG -3'
ZD123	Nora virus forward	5'-AACCTCGTAGCAATCTCTCAAG -3'
ZD124	Nora virus reverse	5'-TTCTTGTCCGGTGTATCCTGTATC -3'
ZD119	DXV forward	5'-GGAGTTGAAGCCACGGTTG-3'
ZD120	DXV reverse	5'-GACGATCTGCCAGTTGGCTCATCG-3'
ZD121	Sigma virus forward	5'-ATGTAACCTGGGTGTGACAG -3'
ZD122	Sigma virus reverse	5'-CCTCGTTCATCCTCTGAG-3'
Diagnostic qPCR primers		
ZD245	fwd A. pomorum	5'-TGTTCGGCAAGGGACCTCT-3'
ZD246	rev A. pomorum	5'-AGAGTGGCCAGCCAAACCTGA-3'
ZD247	fwd A. tropicalis	5'-TAGCTAACCGCGATAAGCACA-3'
ZD248	rev A. tropicalis	5'-ACAGCCTACCCATACAAGCC-3'
ZD249	fwd L. fructivorans	5'-AACCTGGCCAGAAGAAGGGGA-3'
ZD250	rev L. fructivorans	5'-GCGCCGGGATCCATCCAAA-3'
ZD251	fwd L. plantarum	5'-TGTCTCAGTCCAAATGTGGCG-3'
ZD252	rev L. plantarum	5'-GGCTATCACTTTGGATGGCCCG-3'
Northern probes		
HD174	rp49 forward	5'-CGGATCGATATGCTAAAGCTGT -3'
HD175	rp49 reverse	5'-GCGCTTGTGATCCGTA -3'
HD672	Drosocin forward	5'-GTCCACCACTCCAAGCAC- 3'
HD673	Drosocin reverse	5'-CTTAGGCGGGCAGAATGGG -3'
HD674	Metchnikowin forward	5'-CGCCACCGAGCTAACGATGC -3'
HD675	Metchnikowin reverse	5'-GGTTAGGATTGAAGGGCGAC -3'
HDT047	DCV forward	5'-TCATCGGTATGCACATTGCT -3'
HDT048	DCV reverse	5'-CGCATAACCATGCTCTCTG -3'
stem loop RT primer		
HD649	tRNA-Asp reverse	5'-CTCAACTGGATTGGCTNNNNNGATAATCCAGT TGAGTGGCTCCC-3'
RIP primers		
HD254	tRNAAsp fwd	5'-TCCTCGATAGTATAGT-3'
HD616	tRNAAsp rev	5'-CTCAACTGGATTGGCT-3'
ZD127	DCV 698-1435 fwd	5'-GTGTATGATCTATACGCAC-3'
ZD128	DCV 698-1435 rev	5'-CAATCTTCATAATATCCTC-3'
ZD137	DCV 4443-5163 fwd	5'-GAAGAATATTCCTCAC-3'
ZD138	DCV 4443-5163 rev	5'-GGCGAAATGCAACTACAAATG-3'
ZD149	DCV 8841-9264 fwd	5'-CAATTAATAGTGTCTTGCCTG-3'
ZD150	DCV 8841-9264 rev	5'-AGAAAACAATATTATTTAATTC-3'