

TABLE S1**Oligonucleotide primers used in this work**

Sequence	Type [#]	Gene	Species	Purpose
5'CTGGCAGGATAGGTTCAATAC 3'	F	<i>ran-like</i>	<i>D. melanogaster</i>	Genomic PCR
5'CAAAGATCATCGTTGCAC3'	R	<i>ran-like</i>	<i>D. melanogaster</i>	Genomic PCR
5'GCTGGCGGGATAAGTTC3'	F	<i>ran-like</i>	<i>D. simulans</i>	Genomic PCR
5'CCATGGGCACGAAGTAAG3'	R	<i>ran-like</i>	<i>D. simulans</i>	Genomic PCR
5'ATTACACAAGCCGCTCC3'	F	<i>ran-like</i>	<i>D. yakuba</i>	Genomic PCR
5'ACGCAGAAGGGGAAAAG3'	R	<i>ran-like</i>	<i>D. yakuba</i>	Genomic PCR
5'ATGCCCTCTCAATCCCCAC3'	F	<i>Da_Ntf-2r</i>	<i>D. ananassae</i>	Genomic PCR
5'TTATTCCGTGTCGTGGATATTC3'	R	<i>Da_Ntf-2r</i>	<i>D. ananassae</i>	Genomic PCR
5'ATGCCCTCTCAATCCCCAC3'	F	<i>Da_Ntf-2r</i>	<i>D. atripex</i>	Genomic PCR
5'TTATTCCGTGTCGTGGATATTC3'	R	<i>Da_Ntf-2r</i>	<i>D. atripex</i>	Genomic PCR
5'CAATCTCCTCGTGCAGACG3'	F	<i>Da_ran-like</i>	<i>D. ananassae</i>	Genomic PCR
5'CGGAGTGTCCAATTTGTGCG3'	R	<i>Da_ran-like</i>	<i>D. ananassae</i>	Genomic PCR
5'CAATCTCCTCGTGCAGACG3'	F	<i>Da_ran-like</i>	<i>D. atripex</i>	Genomic PCR
5'CGGAGTGTCCAATTTGTGCG3'	R	<i>Da_ran-like</i>	<i>D. atripex</i>	Genomic PCR
5'GATATTGGCAAGGGATTCGTC3'	F	<i>Dntf-2</i>	<i>D. ananassae</i>	RT-PCR
5'CGACCAAGAACGTTAATCAG3'	R	<i>Dntf-2</i>	<i>D. ananassae</i>	RT-PCR
5' CCAATGGGCCAGGAATTTGTG 3'	F	<i>Da_Ntf-2r</i>	<i>D. ananassae</i>	RT-PCR
5'GCAGTCTTCCCAGGACACTC3'	R	<i>Da_Ntf-2r</i>	<i>D. ananassae</i>	RT-PCR
5'CACATTCAAGTGCGTACTCGTC3'	F	<i>ran</i>	<i>D. ananassae</i>	RT-PCR
5'TGGCAACGAATTCCAGGTTGG3'	R	<i>ran</i>	<i>D. ananassae</i>	RT-PCR
5'GTGGCAGCGGTGATGGTATTC3'	F	<i>Da_ran-like</i>	<i>D. ananassae</i>	RT-PCR
5'CTTGCCGAAATGTCGTAG3'	R	<i>Da_ran-like</i>	<i>D. ananassae</i>	RT-PCR
5'ATTGTGACCACAGTCGGTTC 3'	F	<i>Gapdh2</i>	<i>D. ananassae</i>	RT-PCR
5'GTCGTACCAAGAGATCAGCTTCAC3'	R	<i>Gapdh2</i>	<i>D. ananassae</i>	RT-PCR
5'AGGACATTGGCAAGGGCTTTC3'	F	<i>Dntf-2</i>	<i>D. grimshawi</i>	RT-PCR
5'TGGGCTGAGAGTCAACTGTGG 3'	R	<i>Dntf-2</i>	<i>D. grimshawi</i>	RT-PCR
5'CCGTTGGCAAAGGTTTTGTCC3'	F	<i>Dg_Ntf-2r</i>	<i>D. grimshawi</i>	RT-PCR
5'CAGTTGCGAATAGGAGTGTGGTG3'	R	<i>Dg_Ntf-2r</i>	<i>D. grimshawi</i>	RT-PCR
5'CAAGGACCGCAAGGTCAAAG3'	F	<i>ran</i>	<i>D. grimshawi</i>	RT-PCR
5'TGCAGCTGCCAGTCTCTGTG3'	R	<i>ran</i>	<i>D. grimshawi</i>	RT-PCR
5'GCTGTGTGGCAACAAAGTCG3'	F	<i>Dg_ran-like</i>	<i>D. grimshawi</i>	RT-PCR
5'CCTCCTGCAAATCTCGTTCCG3'	R	<i>Dg_ran-like</i>	<i>D. grimshawi</i>	RT-PCR
5'GGTGCTGCCAAAACATCAT3'	F	<i>Gapdh</i>	<i>D. grimshawi</i>	RT-PCR
5'GCTGAGGAAATCGGTGGAGAC3'	R	<i>Gapdh</i>	<i>D. grimshawi</i>	RT-PCR

#F and R refer to forward and reverse, respectively