Supplementary Materials:

Table S1. Primers used for the amplification of the *Ovgp1* gDNA (exons 1 to 6).

Name	Pb (d/r)	Sequence (5'→3')	Tm (°C)
Fw1	19 (d)	CATAGCTACCAGGCAGTTG	58
Rv1	21 (r)	CTTCATCTTGGACCAGTTAAT	58
Rv1b	21 (r)	ATTAACTGGTCCAAGATGAAG	58
Fw2	21 (d)	CTTCATCTTGGACCAGTTAAT	58
Rv2	20 (r)	GAGGCAAAGGCAAATATCAG	58
Fw3	20 (d)	ACTGCCTACAAACTGGTGTG	60
Rv3	19 (r)	GGCAGTTGCAAGAGGCAAG	60
Fw4	21 (d)	CAGAGTTCAACAAACTCAAGG	60
Rv4	20 (r)	CTGGGAGGTAGAGCAAGATG	58
Rv4b	20 (r)	CATCTTGCTCTACCTCCCAG	58
Fw5	21 (d)	AGTGACTTAAGGTGTCCATAG	60
Rv5	23 (r)	CTAAGTTTCACATCAGATGTCTA	62
Fw6	19 (d)	CTTGTGCCAACCAAGCTTC	62
Rv6	20 (r)	GGCAAACTGGAGCTCCTAAG	62
Fw7	20 (d)	TGTCTTTCTCATAGACTTGG	56
Rv7	19 (r)	GTTACCTGGCAACACAACA	56

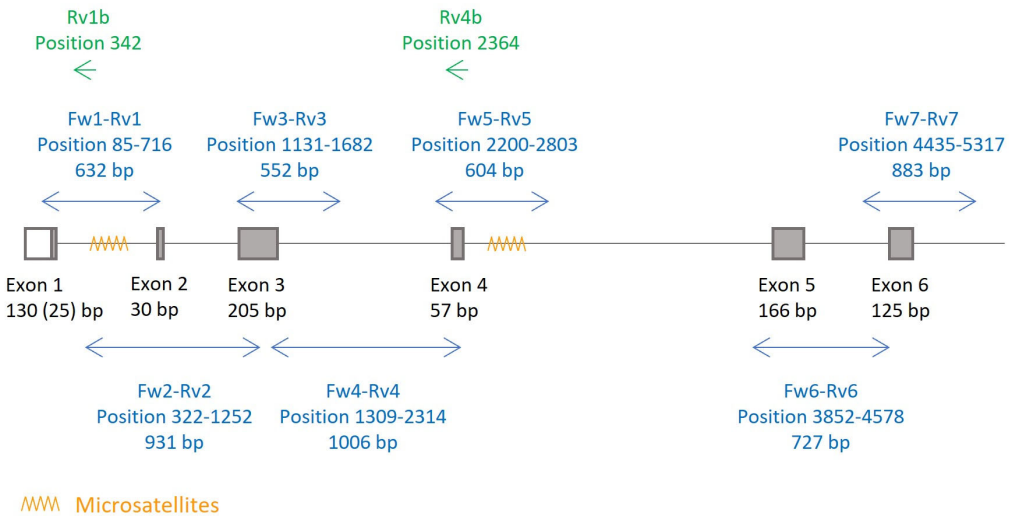
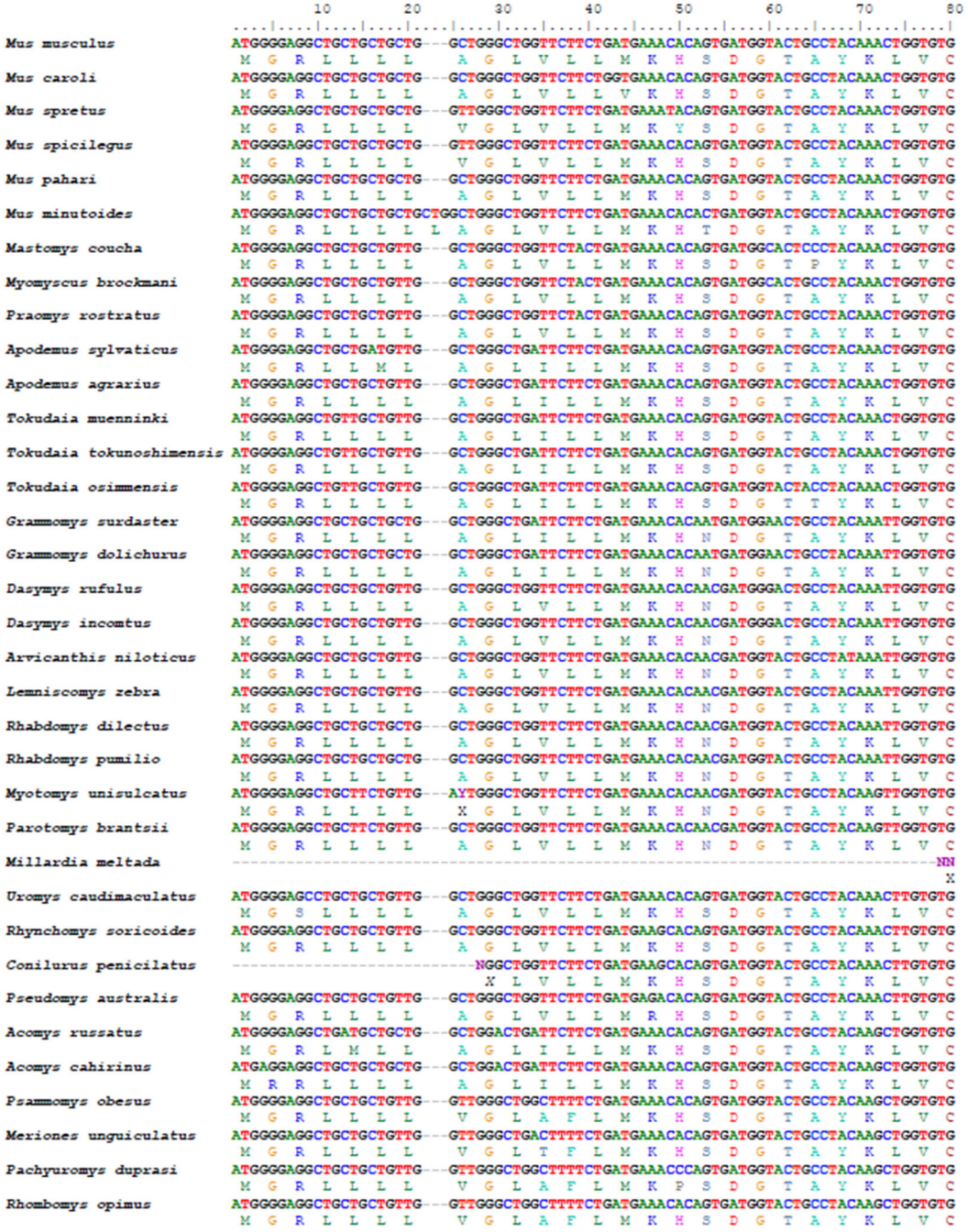


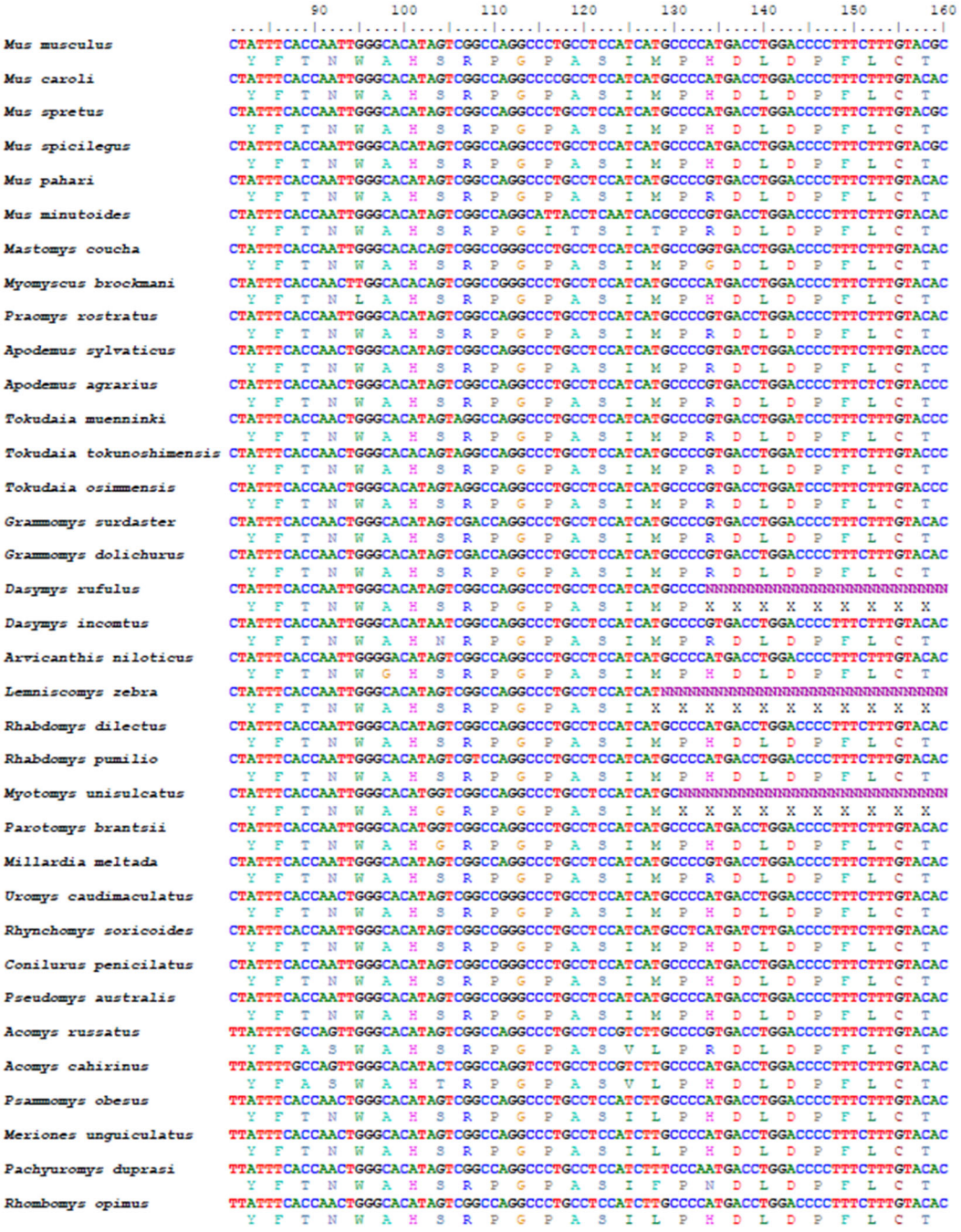
Figure S1. Primer location in the mouse *Ovgp1* gDNA sequence (ENSMUSG00000074340). The size of exons 1 to 6, the amplicons generated by each primer pair and the microsatellites present in this fragment of the sequence are indicated. Exon 1 consists of a non-coding part represented in white and the part downstream of the initial methionine represented in grey which translates into protein.

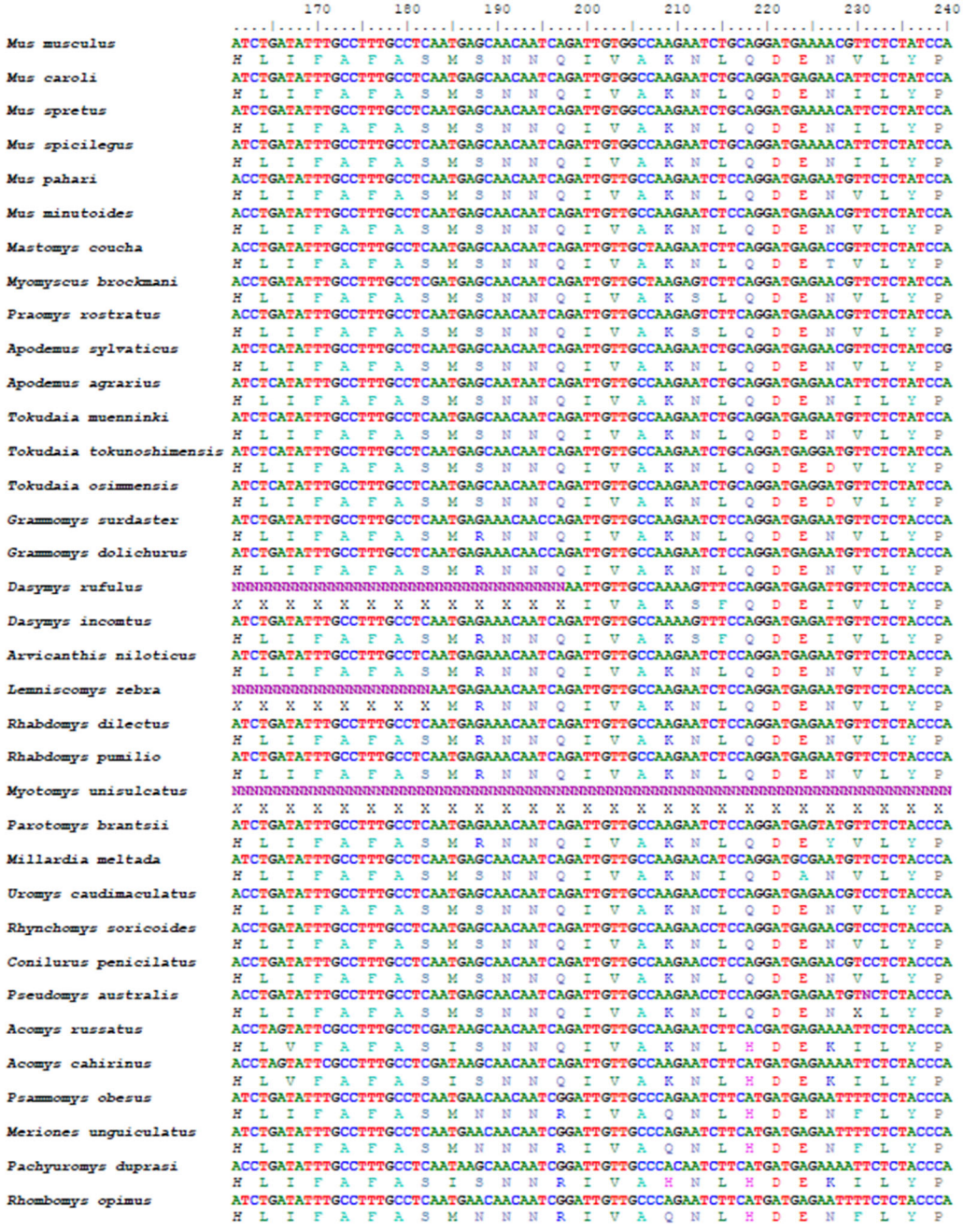
Table S2. Primers used in RT-qPCR.

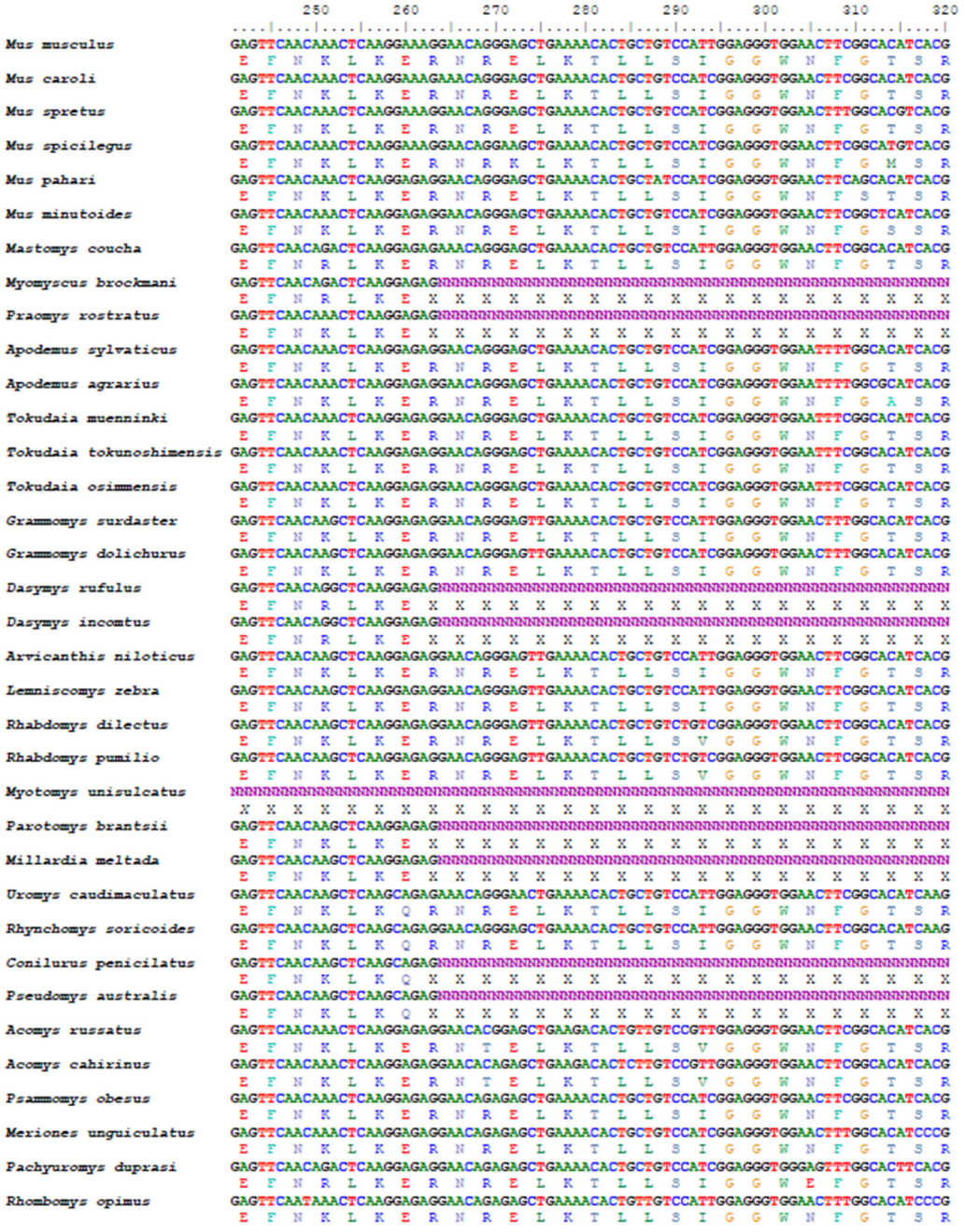
Name	Pb (d/r)	Sequence (5'→3')	Tm (°C)
Fw-*Chia*	23 (d)	GAACTTTGGAACTGCTCCTTTCA	59
Rv-*Chia*	20 (r)	GTCCAGGTCCAGTCCATCAA	59
Fw-*Chit1*	20 (d)	AGAGCCCAATGACGAGCTTT	59
Rv-*Chit1*	21 (r)	TTGAGCTTGGGGTTCCTCTTC	59
Fw-*Chi3l1*	20 (d)	TTGCCCAGATAGCCCAACAC	60
Rv-*Chi3l1*	20 (r)	GAAGAGGGGGCTGTGATGTC	60
Fw-*Chid1*	23 (d)	TGCGAGCTGTCAAGAAGCAT	59
Rv-*Chid1*	20 (r)	AACAGAAGCCGAGGCACTAT	59
Fw-*Actb1*		pre-designed primers	

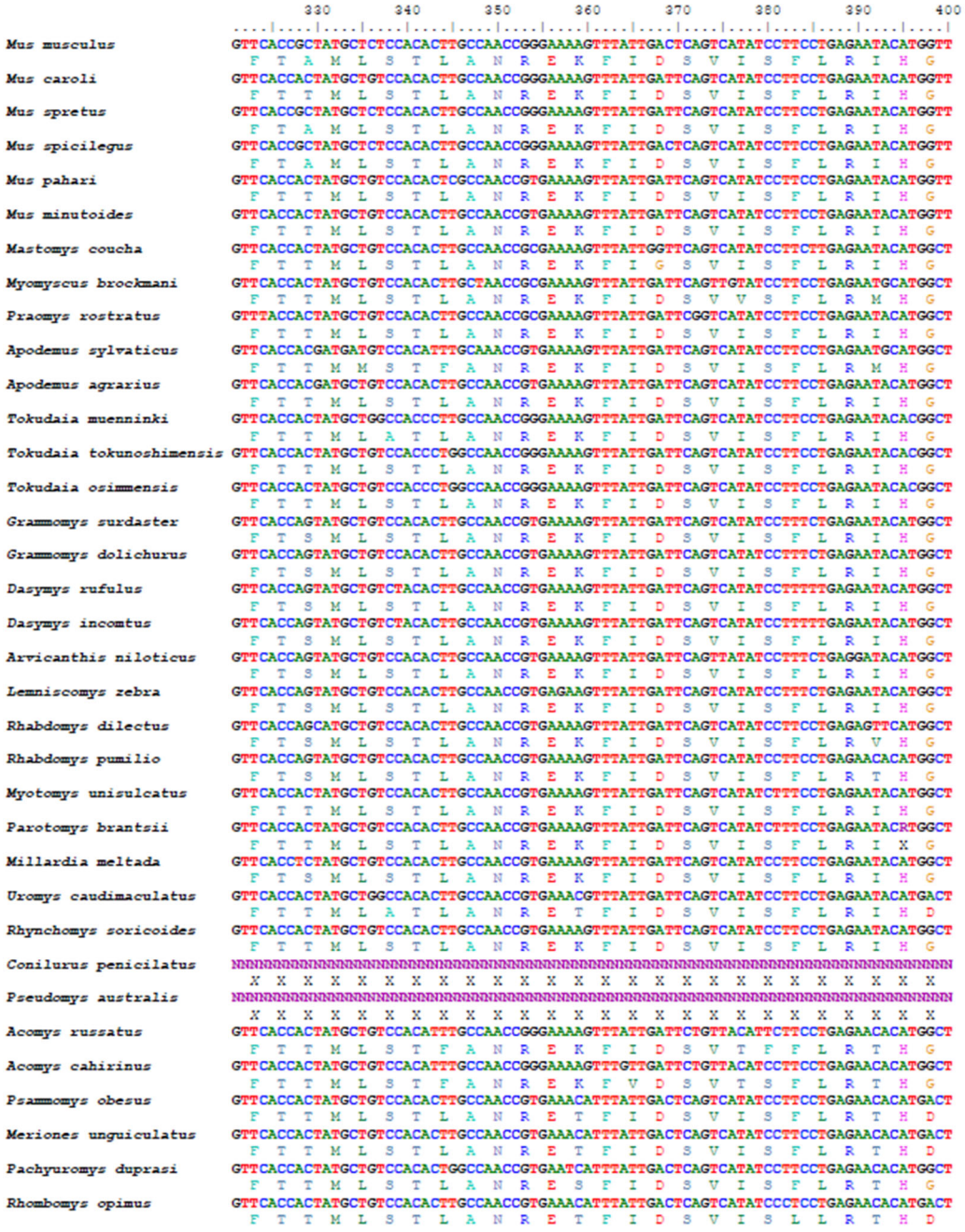
	(Merck KGaA, Germany)
Rv- *Actb1*	pre-designed primers (Merck KGaA, Germany)
Fw- *Hprt1*	pre-designed primers (Merck KGaA, Germany)
Rv- *Hprt1*	pre-designed primers (Merck KGaA, Germany)

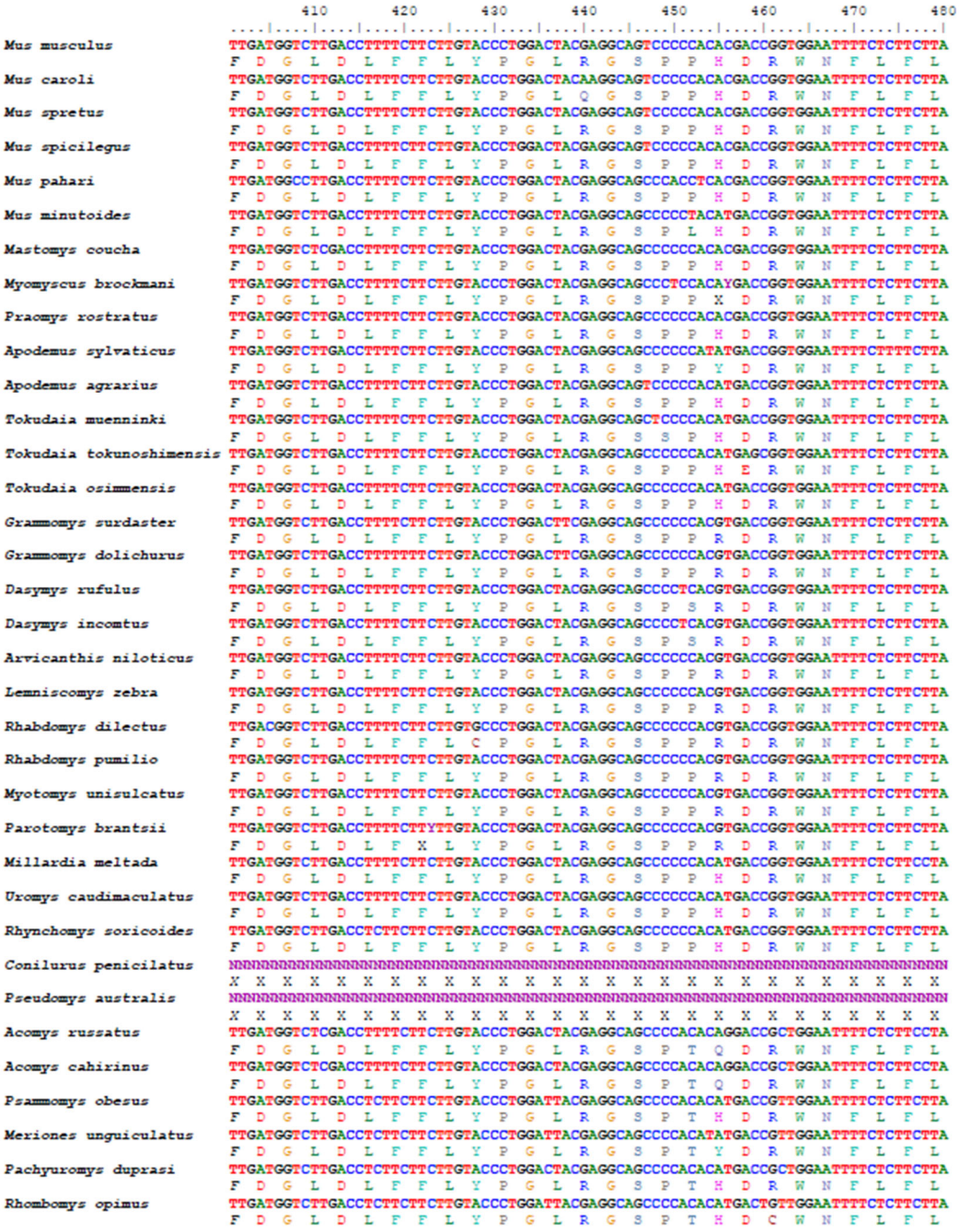


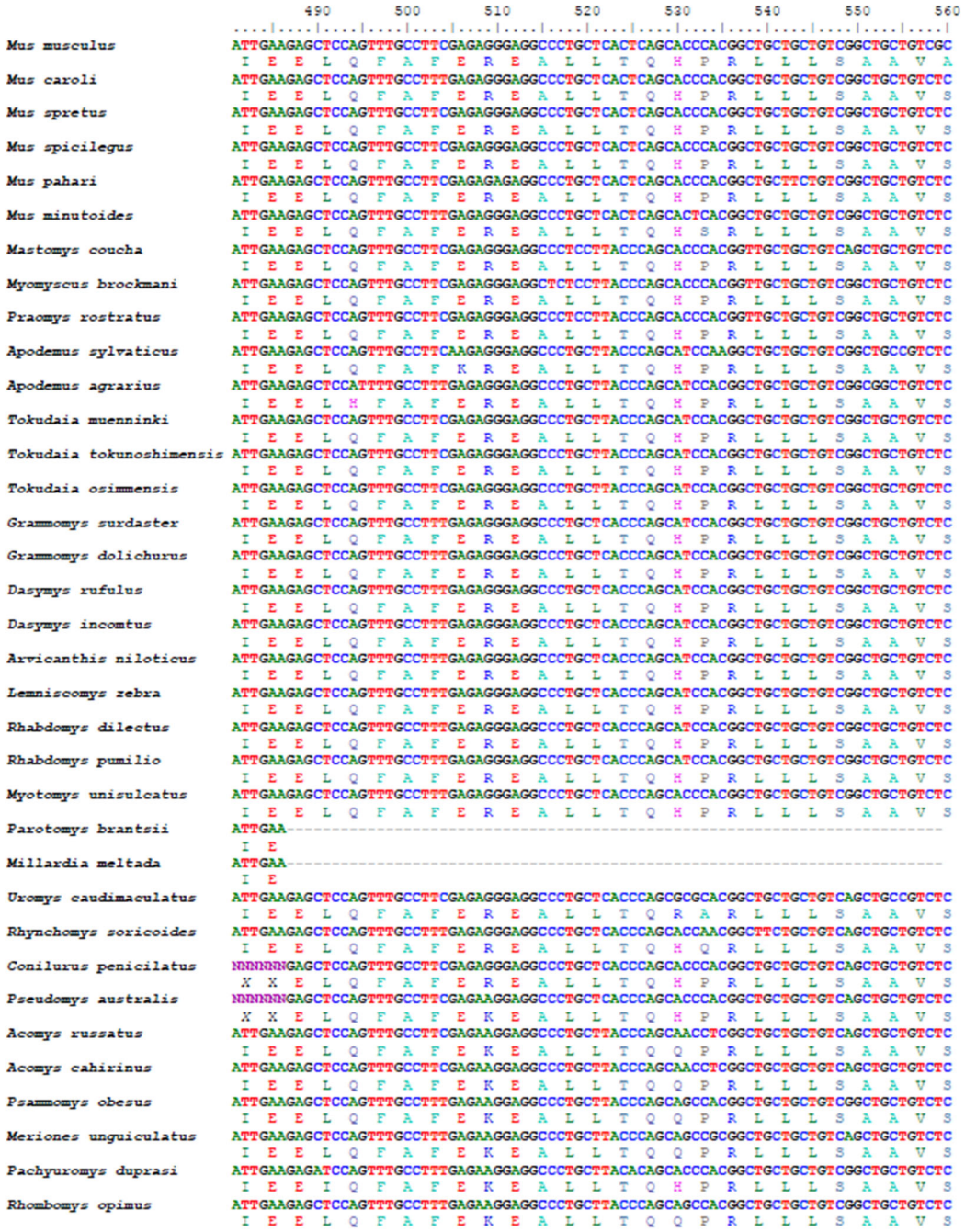

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Mus musculus
Mus caroli
Mus spretus
Mus spicilegus
Mus pahari
Mus minutoides
Mastomys coucha
Myomyscus brockmani
Praomys rostratus
Apodemus sylvaticus
Apodemus agrarius
Tokudaia muenninki
Tokudaia tokunoshimensis
Tokudaia osimmensis
Grammomys surdaster
Grammomys dolichurus
Dasymys rufulus
Dasymys incomtus
Arvicanthis niloticus
Lemniscomys zebra
Rhabdomys dilectus
Rhabdomys pumilio
Myotomys unisulcatus
Parotomys brantsii
Millardia meltada
Uromys caudimaculatus
Rhynchomys soricoides
Conilurus penicilatus
Pseudomys australis
Acomys russatus
Acomys cahirinus
Psammomys obesus
Meriones unguiculatus
Pachyuromys duprasi
Rhombomys opimus


170 180 190 200 210 220 230 240
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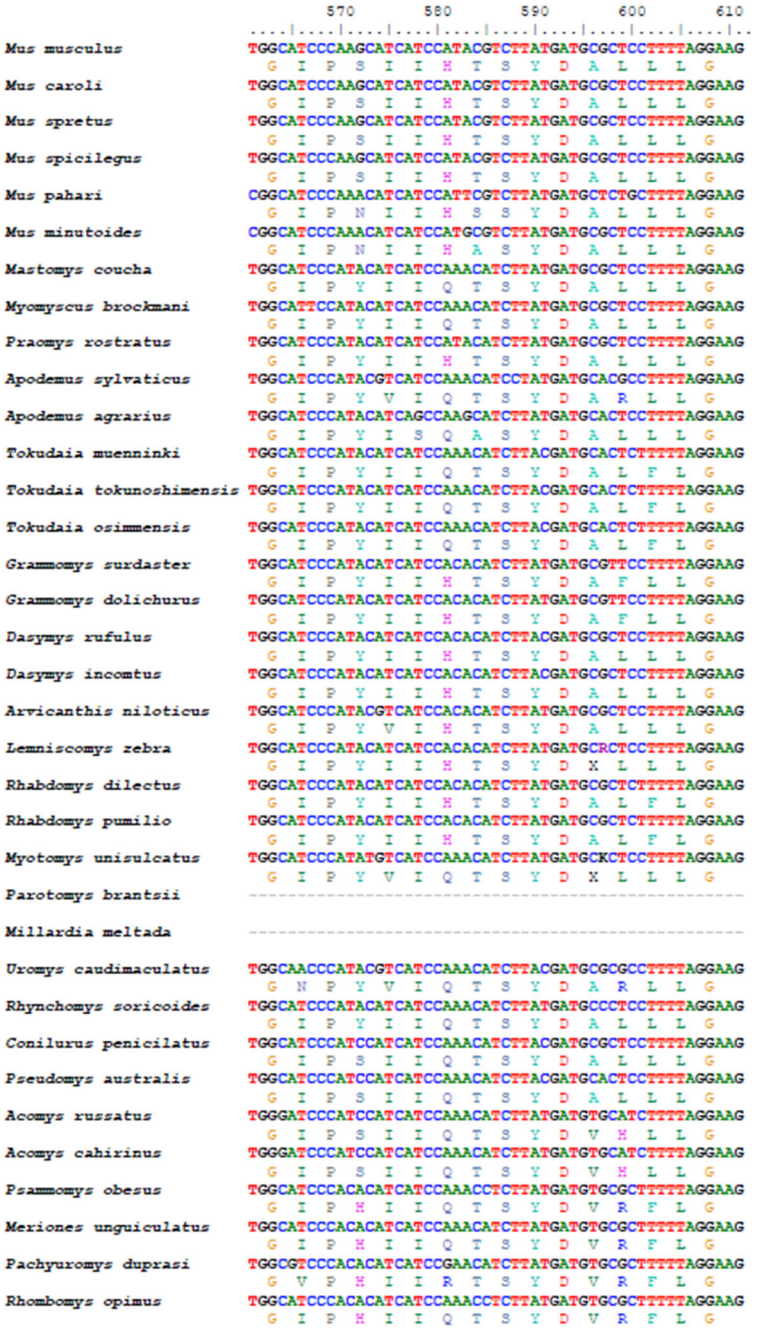


Figure S2. Multiple alignment of the non-Rattini murid species analysed without premature stop codons. The letter "N" in the nucleotide sequence and the letter "X" in the amino acid sequence appear when the base or amino acid, respectively, could not be determined. The letter "Y" in the nucleotide sequence represents that the nucleotide at that position may be either C or T. The presence of the symbol "-" indicates absence of sequence due to a lack of sequencing or an actual deletion.