

S5 Table. Nucleotide identity (%) and amino acid identity (similarity) (%) in pairwise comparisons between protein and rRNA coding genes in the mitochondrial genomes of *Dirofilaria repens*, *Candidatus Dirofilaria hongkongensis* (C. D. hong.) and *Dirofilaria immitis*.

Gene	<i>D. repens</i> /C. D. hong.		<i>D. repens</i> / <i>D. immitis</i>		C. D. hong./ <i>D. immitis</i>	
	cDNA	Protein	cDNA	Protein	cDNA	Protein
<i>nduo-2</i>	92.5	97.5 (98.2)	84.3	79.2 (89.8)	83.2	80.6 (90.1)
<i>nduo-4</i>	93.6	94.6 (98.8)	88.3	86.1 (93.9)	88.0	87.8 (94.1)
<i>ctc-1</i>	95.4	98.2 (99.5)	90.8	95.1 (97.3)	90.0	94.7 (97.4)
<i>nduo-6</i>	90.7	85.5 (90.1)	84.5	79.6 (83.7)	87.2	82.0 (90.0)
<i>ctb-1</i>	94.9	96.1 (99.2)	88.4	87.8 (92.5)	87.5	85.6 (91.7)
<i>ctc-3</i>	93.1	94.2 (98.1)	88.5	83.7 (91.1)	88.2	86.4 (91.1)
<i>ndfl-4</i>	95.5	96.3 (97.5)	90.1	86.3 (91.3)	88.5	82.5 (90)
<i>rrnS</i>	97.5		91.7		92.0	
<i>nduo-1</i>	95.1	98.7 (99.7)	88.2	86.3 (92.0)	88.7	87.0 (92.3)
<i>atp-6</i>	94.4	94.2 (96.9)	84.5	77.0 (78.0)	84.9	76.4 (83.8)
<i>ctc-2</i>	94.7	96.1 (98.3)	89.8	90.9 (97.4)	89.4	90.9 (96.6)
<i>rrnL</i>	96.6		87.1		86.9	
<i>nduo-3</i>	96.1	100	84.9	76.1 (82.9)	85.8	77.8 (83.8)
<i>nduo-5</i>	95.2	96.6 (97.7)	88.2	84.0 (91.3)	87.1	83.0 (91.1)