

Table S1: Primer sequences and amount used for pre-storage in the GeneSlice. Universal *12S rRNA* and *cytb* for pre-amplification were pre-stored within the Sample and NTC pre-amplification chambers. The *12S rRNA* and *cytb* animal-group-specific primers of the twelve groups, as well as the universal *12S rRNA* primer pair and internal positive control (IPC) consisting of a primer pair and an 81 bp oligonucleotide were pre-stored in the 14 main-amplification cavities of the sample. The universal *12S rRNA* primer pair was additionally used for the main-amplification cavity of the NTC.

Cavity	Function	Gene	PCR product (bp)	Primer direction	Primer sequence	Preloaded primer (pmol)			
Sample/ NTC	Pre-amplification	12S rRNA	~200	for	GCCACCGGGGTC *1a	10 (NTC: 2.5)			
				rev	TGGGGTATCTAAATCCCAAG *1a	10 (NTC: 2.5)			
		cytb	~ 224	for	CCATGAGGCAAAATATCTTTTG *1b	40 (NTC: 10)			
				rev	GGGTTGTGATCCGTTTC *1b	40 (NTC: 10)			
Nested PCR *2									
1	Equidae	12S rRNA	172	for	AAGCGTGATATTGCTCTTTTCGTATAGCTCCGGGCTAAAGCGTGCAAAAGAC	4			
				rev	ACATAGCGACAGATTACAACATTAGTATTGGTCAAGAGTTAAAGTCACCTTCGTAG	4			
		cytb	128	for	GTAAACGACGGCCAGTGAAATCAACAAATTCCTCATCTGGTAC	4			
				rev	GGAAACAGCTATGACCATGGCAAAATTCGGGTAAAGGGTG	4			
2	Phasianidae	12S rRNA	134	for	AAGCGTGATATTGCTCTTTTCGTATAGCGGTAAAGAGTGGGCACATG	0.5			
				rev	ACATAGCGACAGATTACAACATTAGTATTGAGGTGGATCTTGGGCTTAGACAGC	0.5			
		cytb	141	for	GTAAACGACGGCCAGTGAAATCAACAACTTCTCAACAAAT	1			
				rev	GGAAACAGCTATGACCATGCGAAAGAAATTCGGGTGAAGGGTGGG	1			
3	Felidae	12S rRNA	168	for	AAGCGTGATATTGCTCTTTTCGTATAGAACCCAACTAATAGACCCACGG	3			
				rev	ACATAGCGACAGATTACAACATTAGTATTGGTGCTGTATTTTTATGTAACTGTAGCT	3			
		cytb	147	for	GTAAACGACGGCCAGTGAAAGATGAATCTGAGGGGGCTTC	3			
				rev	GGAAACAGCTATGACCATGGAGGGTGACTGCTGCTAGGGCTGA	3			
4	Homo Sapiens	12S rRNA	155	for	AAGCGTGATATTGCTCTTTTCGTATAGAGTGTTTAGATGACACCCCTCCCC	1			
				rev	ACATAGCGACAGATTACAACATTAGTATTGAAGTTAAAGCCACTTTCGTAGT	1			
		cytb	141	for	GTAAACGACGGCCAGTGAGGCCACAGTAATTAACAACTACTATC	2.5			
				rev	GGAAACAGCTATGACCATGTGTGAGGGTGGGACTGTCTCTGAGTA	2.5			
5	Sus scrofa	12S rRNA	198	for	AAGCGTGATATTGCTCTTTTCGTATAGTAAACCCAAATTAAGATGACCGGGT	2			
				rev	ACATAGCGACAGATTACAACATTAGTATTGTGCTGTGACGAGTATTAAGTCACT	2			
		cytb	135	for	GTAAACGACGGCCAGTGATACGGTCAACAAATCTACTATCA	2			
				rev	GGAAACAGCTATGACCATGGAGGGTGTCTTGTGTCAGGAAAGGCC	2			
6	Cervidae	12S rRNA	150	for	AAGCGTGATATTGCTCTTTTCGTATAGCCCAAGTAAATAGCAACGGGG	1.5			
				rev	ACATAGCGACAGATTACAACATTAGTATTGGGTCTGACTGCTATGCTTTCA	1.5			
		cytb	98	for	GTAAACGACGGCCAGTGAGGAGGCTTTTCAATGACAAAGCAACC	2			
				rev	GGAAACAGCTATGACCATGTAAAGTGTACTATAGCGAGTCTGCGA	2			
7	Bovini	12S rRNA	137	for	AAGCGTGATATTGCTCTTTTCGTATAGCCCAACCAATCAACAAATAGGGTTAAATCT	3			
				rev	ACATAGCGACAGATTACAACATTAGTATTGGGGTCACTTCTGCTATTTATTTTA	3			
		cytb	159	for	GTAAACGACGGCCAGTGACCCATACATCGGCAAAATTTAGTCT	2			
				rev	GGAAACAGCTATGACCATGGGCAATTTGCTATGATGATAAATGGAAGGA	2			
8	Canidae	12S rRNA	189	for	AAGCGTGATATTGCTCTTTTCGTATAGCTAAATGGCTACGGGGTAAAG	1			
				rev	ACATAGCGACAGATTACAACATTAGTATTGATGGTGTAGTGAATTTATAAAGTCAC	1			
		cytb	133	for	GTAAACGACGGCCAGTGAACTAATCTTCTCTGCTATCTC	0.5			
				rev	GTAAACGACGGCCAGTGAACTAATCTTCTCTGCTATCTC	0.5			
9	Leporidae	12S rRNA	159-160	for	AAGCGTGATATTGCTCTTTTCGTATAGCCGCGGTAAAGCGGTATGAGAATA	1.5			
				rev	ACATAGCGACAGATTACAACATTAGTATTGAAATCACTTTCGTTGTTATTTTGT	1.5			
		cytb	117	for	GTAAACGACGGCCAGTGAAACCAACCTAGTTGAAATGAATCTGAGGA	1.5			
				rev	GGAAACAGCTATGACCATGGAAGTGGAAAGCGGAAGATCGG	1.5			
10	Mustelidae	12S rRNA	132-133	for	AAGCGTGATATTGCTCTTTTCGTATAGACGGCGTAAACAGTGTAAAG	1			
				rev	ACATAGCGACAGATTACAACATTAGTATTGTTAAACAGATCTTTTACGGCCT	2			
		cytb	175	for	GTAAACGACGGCCAGTGAGCAACCGTAATTACCAACTTACTGTC	3			
				rev	GTAAACGACGGCCAGTGAGCAACCGTAATTACATAACTACTTATGTCT	3			
11	Rodentia (Muridae/Sciuridae)	12S rRNA	150-151	for	GTAAACGACGGCCAGTGAGCAACCGTAATTACCAACTTACTGTC	3			
				rev	GTAAACGACGGCCAGTGAGCAACCGTAATTACATAACTACTTATGTCT	3			
		cytb	144-146	for	GTAAACGACGGCCAGTGAGCAACCGTAATTACCAACTTACTGTC	0.5			
				rev	GTAAACGACGGCCAGTGAGCAACCGTAATTACCAACTTACTGTC	0.5			
12	Caprinae	12S rRNA	185	for	AAGCGTGATATTGCTCTTTTCGTATAGCGTAAAGCGTGTAAAGCATCACT	1			
				rev	AAGCGTGATATTGCTCTTTTCGTATAGCGTAAAGCGTGTAAAGCATCACT	1			
		cytb	152	for	GTAAACGACGGCCAGTGATTAATTTGGCAAAACCTGATCGGAA	0.5			
				rev	GGAAACAGCTATGACCATGGAGGCTGTGATGATGAATGGG	1			
13	Extraction Control	12S rRNA	~254	for	AAGCGTGATATTGCTCTTTTCGTATAGCGCAACCGGGTCAACGATTT *1	2			
14	IPC	Primer *3	119	for	GTAAACGACGGCCAGTGAAAGCGTGAATTTGCTCTTCTGATAG	1			
				rev	GGAAACAGCTATGACCATGACATAGCGCAAGATTAACCACTTATGTTG	1			
				81 bp oligo:					
				AAGCGTGATATTGCTCTTTTCGTATAGCGTAAAGCGTGTAAAGCATCACTAAGCATCA					

*1:[1], *1a: modified from [1]), *1b: modified from [2] , *2: modified from [3], *3:[4].

Tag on *12S rRNA* primer: IPC forward and reverse primer sequence, respectively.

Tag on *cytb* primer: M13 forward and reverse primer sequence, respectively from the TOPO TA cloning kit (Life Technologies).

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