Supporting Appendix:

Tab. S1: List of 60 complete mitochondrial genomes

Accession Number	Order	Family	Genus	Species
NC_002504	Artiodactyla	Camelidae	Lama	*Lama pacos*
NC_009628	Artiodactyla	Camelidae	Camelus	*Camelus bactrianus*
NC_000845	Artiodactyla	Suidae	Sus	*Sus scrofa*
NC_008830	Artiodactyla	Suidae	Phacochoerus	*Phacochoerus africanus*
NC_007703	Artiodactyla	Cervidae	Rangifer	*Rangifer tarandus*
NC_004563	Artiodactyla	Cervidae	Muntiacus	*Muntiacus muntjak*
NC_008749	Artiodactyla	Cervidae	Elaphodus	*Elaphodus cephalophus*
NC_008462	Artiodactyla	Cervidae	Cervus	*Cervus nippon taiouanus*
NC_006295	Artiodactyla	Bovidae	Bubalus	*Bubalus bubalis*
NC_005971	Artiodactyla	Bovidae	Bos	*Bos indicus*
NC_007441	Artiodactyla	Bovidae	Pantholops	*Pantholops hodgsonii*
NC_001941	Artiodactyla	Bovidae	Ovis	*Ovis aries*
NC_000889	Artiodactyla	Hippopotamidae	Hippopotamus	*Hippopotamus amphibius*
NC_005280	Cetacea	Phocoenidae	Phocoena	*Phocoena phocoena*
NC_005277	Cetacea	Pontoporiidae	Pontoporia	*Pontoporia blainvillei*
NC_005273	Cetacea	Ziphiidae	Hyperoodon	*Hyperoodon ampullatus*
NC_005269	Cetacea	Neobalaenidae	Caperea	*Caperea marginata*
NC_006928	Cetacea	Balaenopteridae	Balaenoptera	*Balaenoptera brydei*
NC_006930	Cetacea	Balaenidae	Eubalaena	*Eubalaena australis*
NC_002503	Cetacea	Physeteridae	Physeter	*Physeter catodon*
NC_001788	Perissodactyla	Equidae	Equus	*Equus asinus*
NC_001779	Perissodactyla	Rhinocerotidae	Rhinoceros	*Rhinoceros unicornis*
NC_004027	Pholidota	Manidae	Manis	*Manis tetradactyla*
NC_006835	Carnivora	Herpestidae	Herpestes	*Herpestes javanicus*
NC_001700	Carnivora	Felidae	Felis	*Felis catus*
NC_008434	Carnivora	Canidae	Vulpes	*Vulpes vulpes*
NC_008092	Carnivora	Canidae	Canis	*Canis lupus*
NC_009492	Carnivora	Ursidae	Ailuropoda	*Ailuropoda melanoleuca*
NC_003427	Carnivora	Ursidae	Ursus	*Ursus arctos*
NC_009691	Carnivora	Ailuridae	Ailurus	*Ailurus fulgens styani*
NC_009678	Carnivora	Mustelidae	Martes	*Martes melampus*
NC_004029	Carnivora	Odobenidae	Odobenus	*Odobenus rosmarus*
NC_008418	Carnivora	Otariidae	Phocarctos	*Phocarctos hookeri*
NC_008422	Carnivora	Phocidae	Mirounga	*Mirounga leonina*
NC_008424	Carnivora	Phocidae	Leptonychotes	*Leptonychotes weddellii*
NC_008426	Carnivora	Phocidae	Erignathus	*Erignathus barbatus*
NC_001325	Carnivora	Phocidae	Phoca	*Phoca vitulina*
NC_005433	Chiroptera	Rhinolophidae	Rhinolophus	*Rhinolophus monoceros*

NC_005434	Chiroptera	Rhinolophidae	Rhinolophus	*Rhinolophus pumilus*
NC_011304	Chiroptera	Rhinolophidae	Rhinolophus	*Rhinolophus formosae*
NC_002612	Chiroptera	Pteropodidae	Pteropus	*Pteropus dasymallus*
NC_002619	Chiroptera	Pteropodidae	Pteropus	*Pteropus scapulatus*
NC_007393	Chiroptera	Pteropodidae	Rousettus	*Rousettus aegyptiacus*
NC_005436	Chiroptera	Vespertilionidae	Pipistrellus	*Pipistrellus abramus*
NC_002626	Chiroptera	Vespertilionidae	Chalinolobus	*Chalinolobus tuberculatus*
NC_006925	Chiroptera	Mystacinidae	Mystacina	*Mystacina tuberculata*
NC_002009	Chiroptera	Phyllostomidae	Artibeus	*Artibeus jamaicensis*
NC_006893	Insectivora	Soricidae	Crocidura	*Crocidura russula*
NC_003040	Insectivora	Soricidae	Episoriculus	*Episoriculus fumidus*
NC_005435	Insectivora	Soricidae	Sorex	*Sorex unguiculatus*
NC_002808	Insectivora	Erinaceidae	Echinosorex	*Echinosorex gymnura*
NC_005033	Insectivora	Erinaceidae	Hemiechinus	*Hemiechinus auritus*
NC_002080	Insectivora	Erinaceidae	Erinaceus	*Erinaceus europaeus*
NC_005035	Insectivora	Talpidae	Mogera	*Mogera wogura*
NC_002391	Insectivora	Talpidae	Talpa	*Talpa europaea*
NC_005034	Insectivora	Talpidae	Urotrichus	*Urotrichus talpoides*
NC_008156	Insectivora	Talpidae	Galemys	*Galemys pyrenaicus*
NC_001665	Rodentia	Muridae	Rattus	*Rattus norvegicus*
NC_010339	Rodentia	Muridae	Mus	*Mus musculus*
AF346963	Primates	Hominidae	Homo	*Homo sapiens*

Tab. S2: The analyses of selective pressure on the branch of common ancestor of bats for 13 mitochondrial genes

Gene	Model	P [I]	Parameters estimated	LnL	2ΔlnL(LRT)	Postitively selected sites [II]
ND1	Branch models					
	1ω	1	ω_0= 0.0200	-21835.24		
	2ω	2	ω_0=0.0189; ω_1= 0.0582	-21727.35		
	2ω (ω_1=1)	1	ω_0=0.0188	-21727.51		
	Free Ratio	221	ω_1= 0.0294; N=5.4, S=63	-21621.51		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.97317 0.02063 0.00607 0.00013 background ω 0.01787 1.00000 0.01787 1.00000 foreground ω 0.01787 1.00000 1.00000 1.00000	-21652.39		
	Model A	3	site class 0 1 2a 2b proportion 0.97317 0.02063 0.00607 0.00013 background ω 0.01787 1.00000 0.01787 1.00000 foreground ω 0.01787 1.00000 1.00000 1.00000	-21652.39		
	M1a	2	P_0= 0.97928; P_1= 0.02072; ω_0= 0.01788; ω_1= 1.00000	-21652.40		
ND2	Branch models					
	1ω	1	ω_0=0.0407	-29386.61	**283.33*** **	
	2ω	2	ω_0=0.0402; ω_1=999.0000	-29244.94	***P*<0.001**	
	2ω (ω_1=1)	1	ω_0=0.0402	-29245.03	0.18 (*P*=0.67)	
	Free Ratio	221	ω_1= 999.0000; N=23.3, S=0	-29102.27		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b	-29140.02		

			proportion 0.69334 0.03252 0.26186 0.01228 background ω 0.04205 1.00000 0.04205 1.00000 foreground ω 0.04205 1.00000 1.00000 1.00000			
	Model A	3	site class 0 1 2a 2b proportion 0.69334 0.03252 0.26186 0.01228 background ω 0.04205 1.00000 0.04205 1.00000 foreground ω 0.04205 1.00000 1.00000 1.00000	-29140.02		
	M1a	2	P_0= 0.95338; P_1=0.04662;ω_0= 0.04234; ω_1= 1.00000	-29140.43		
NDS	Branch models					
	1ω	1	ω_0=0.0307	-9062.82	**153.58***** ***P*<0.001**	
	2ω	2	ω_0= 0.0278; ω_1=999.0000	-8986.03		
	2ω (ω_1=1)	1	ω_0= 0.0278	-8986.05	0.04 (*P*=0.84)	
	Free Ratio	221	ω_1= 123.0597; N=7.7, S=0	-8913.98		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.68404 0.03801 0.26332 0.01463 background ω 0.02467 1.00000 0.02467 1.00000 foreground ω 0.02467 1.00000 1.00000 1.00000	-8908.16	2.56 *P*=0.11	
	Model A	3	site class 0 1 2a 2b proportion 0.87332 0.04853 0.07404 0.00411 background ω 0.02453 1.00000 0.02453 1.00000 foreground ω 0.02453 1.00000 999.00000 999.00000	-8906.88	**8.02**** ***P*=0.005**	19 L (0.720); **27 L (0.993)**; **34 I (0.991)**; 86 T (0.804); 91 A (0.676); **100 I(0.909);** **107 T (0.985)**
	M1a	2	P_0= 0.94736; P_1= 0.05264; ω_0= 0.02484; ω_1= 1.00000	-8910.89		
NDAL	Branch models					
	1ω	1	ω_0=0.0283	-7957.65	**131.3*****	

	2ω	2	ω_0= 0.0271; ω_1=999.0000	-7892.00	***P*<0.001**	
	2ω (ω_1=1)	1	ω_0= 0.0271	-7892.05	0.10 (*P*=0.75)	
	Free Ratio	221	ω_1= 999.0000; N=4.5, S=0	-7812.51		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.88635 0.00000 0.11365 0.00000 background ω 0.02703 1.00000 0.02703 1.00000 foreground ω 0.02703 1.00000 1.00000 1.00000	-7891.25	1.98 *P*=0.16	
	Model A	3	site class 0 1 2a 2b proportion 0.92361 0.00000 0.07639 0.00000 background ω 0.02714 1.00000 0.02714 1.00000 foreground ω 0.02714 1.00000 999.00000 999.00000	-7890.26	**748.52***** ***P*<0.001**	
	M1a	2	P_0= 1.00000; P_1=0.00000;ω_0=0.07532; ω_1= 1.00000	-8264.52		
ND4	Branch models					
	1ω	1	ω_0=0.0317	-36799.58	**285.38*****	
	2ω	2	ω_0= 0.0305; ω_1=999.0000	-36656.89	***P*<0.001**	
	2ω (ω_1=1)	1	ω_0= 0.0305	-36657.09	0.40 (*P*=0.53)	
	Free Ratio	221	ω_1= 28.1184; S= 26.7, S= 0.4	-36547.18		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.76395 0.05524 0.16862 0.01219 background ω 0.02785 1.00000 0.02785 1.00000 foreground ω 0.02785 1.00000 1.00000 1.00000	-36334.73	**7.32**** ***P*=0.007**	
	Model A	3	site class 0 1 2a 2b proportion 0.89218 0.06482 0.04008 0.00291	-36331.07		37 I(0.831); 40 S (0.779); 41 A (0.506); 52 F (0.717); **67 V (0.916)**; 77 L (0.708); **78 M (0.973)**; 85 Y (0.636);138 N

			background ω 0.02781 1.00000 0.02781 1.00000 foreground ω 0.02781 1.00000 999.00000 999.00000			(0.890); 178 L (0.795); **191 S (1.000)**; 249 L (0.539); **385 T (0.988)**; 391 T (0.847); **392 T (0.983);** 421 H (0.590); **435 S (0.954)**; **439 L (0.905) 449 I (0.954)**; 458 L (0.833)
	M1a	2	P_0= 0.93315; P_1=0.06685;ω_0= 0.02803; ω_1= 1.00000	-36344.72	**27.3***** ***P*<0.001**	
ND5	Branch models					
	1ω	1	ω_0=0.0465	-48917.23	**397.18***** ***P*<0.001**	
	2ω	2	ω_0= 0.0455; ω_1= 999.0000	-48718.64		
	2ω (ω_1=1)	1	ω_0= 0.0455	-48718.71	0.14 (*P*=0.71)	
	Free Ratio	221	ω_1= 194.0421; N=9.6, S=0	-48551.23		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.00002 0.00000 0.90891 0.09107 background ω 0.04177 1.00000 0.04177 1.00000 foreground ω 0.04177 1.00000 1.00000 1.00000	-48202.88	1.78 *P*=0.18	
	Model A	3	site class 0 1 2a 2b proportion 0.88567 0.08877 0.02323 0.00233 background ω 0.04176 1.00000 0.04176 1.00000 foreground ω 0.04176 1.00000 999.00000 999.00000	-48201.99	**5.28***	14 T (0.514);43 S (0.552); 45 I (0.562); 356 F (0.645);481 L (0.577);488 I (0.609)
	M1a	2	P_0= 0.90902; P_1=0.09098;ω_0= 0.04187;ω_1= 1.00000	-48204.63	***P*=0.022**	
ND6	Branch models					
	1ω	1	ω_0=0.0328	-13172.73	**225.88***** ***P*<0.001**	
	2ω	2	ω_0= 0.0305;ω_1= 999.0000	-13059.79		
	2ω (ω_1=1)	1	ω_0= 0.0305	-13059.83	0.08 (*P*=0.78)	
	Free Ratio	221	ω_1= 0.1976; N=14.5, S=20.1	-12936.87		
	Branch-site models					

	Model A1	4	site class 0 1 2a 2b proportion 0.87130 0.02236 0.10367 0.00266 background ω 0.03102 1.00000 0.03102 1.00000 foreground ω 0.03102 1.00000 1.00000 1.00000	-13011.16	1.46 *P*=0.23	
	Model A	3	site class 0 1 2a 2b proportion 0.90119 0.02308 0.07384 0.00189 background ω 0.03104 1.00000 0.03104 1.00000 foreground ω 0.03104 1.00000 5.33755 5.33755	-13010.43	**7.76****	45 V (0.708); 113 L (0.601); **128 M (0.981)** 136 G (0.647)
	M1a	2	P_0= 0.97503; P_1=0.02497;ω_0= 0.03120; ω_1= 1.00000	-13014.31	***P*=0.005**	
CoxI	Branch models					
	1ω	1	ω_0=0.0064	-31040.22		
	2ω	2	ω_0= 0.0063; ω_1=0.0503	-30970.15		
	2ω (ω_1=1)	1	ω_0= 0.0063	-30970.45		
	Free Ratio	221	ω_1= 14.4642; N=4.8, S=0.1	-30834.16		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.97958 0.00578 0.01455 0.00009 background ω 0.00536 1.00000 0.00536 1.00000 foreground ω 0.00536 1.00000 1.00000 1.00000	-30826.19	**6.66**** ***P*=0.0099**	
	Model A	3	site class 0 1 2a 2b proportion 0.98989 0.00584 0.00424 0.00003 background ω 0.00537 1.00000 0.00537 1.00000 foreground ω 0.00537 1.00000 999.00000 999.00000	-30822.86	**16.14*****	176 M (0.739); **415 T (0.986)**
	M1a	2	P_0= 0.99413; P_1= 0.00587; ω_0= 0.00540; ω_1= 1.00000	-30830.93	***P*<0.001**	
C o	Branch models					

	1ω	1	ω_0=0.0141	-14353.39		
	2ω	2	ω_0= 0.0131;ω_1=0.0578	-14240.56		
	2ω (ω_1=1)	1	ω_0= 0.0130	-14241.14		
	Free Ratio	221	ω_1= 0.0329; N= 2.1, S= 22.8	-14122.49		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.96481 0.00858 0.02638 0.00023 background ω 0.01245 1.00000 0.01245 1.00000 foreground ω 0.01245 1.00000 1.00000 1.00000	-14184.49	**4.18*** ***P*=0.041**	
	Model A	3	site class 0 1 2a 2b proportion 0.98525 0.00876 0.00594 0.00005 background ω 0.01244 1.00000 0.01244 1.00000 foreground ω 0.01244 1.00000 38.62308 38.62308	-14182.40	**11.64***** ***P*<0.001**	**49 K (0.992)**
	M1a	2	P_0= 0.99119; P_1=0.00881;ω_0= 0.01254; ω_1= 1.00000	-14188.22		
CoxIII	Branch models					
	1ω	1	ω_0=0.0179	-17154.04	**158.72*****	
	2ω	2	ω_0= 0.0176;ω_1=705.5144	-17074.68	***P*<0.001**	
	2ω (ω_1=1)	1	ω_0= 0.0176	-17074.73	0.10 (*P*=0.75)	
	Free Ratio	221	ω_1= 56.8211; N= 1.8, S= 0.0	-16969.69		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.00000 0.00000 0.96313 0.03687 background ω 0.01326 1.00000 0.01326 1.00000 foreground ω 0.01326 1.00000 1.00000 1.00000	-16875.76	0.1 *P*=0.75	
	Model A	3	site class 0 1 2a 2b	-16875.71		

			proportion 0.00000 0.00000 0.96312 0.03688 background ω 0.01327 1.00000 0.01327 1.00000 foreground ω 0.01327 1.00000 34.12213 34.12213		**5.26*** ***P*=0.022**	
	M1a	2	P_0= 0.96353; P_1=0.03647;ω_0= 0.01334;ω_1= 1.00000	-16878.34		
ATP8	Branch models					
	1ω	1	ω_0=0.2325	-5879.56		
	2ω	2	ω_0= 0.2204; ω_1=0.7325	-5800.47		
	2ω (ω_1=1)	1	ω_0= 0.2203	-5800.54		
	Free Ratio	221	ω_1= 0.7496 ; N= 13.9, S=7.0	-5716.70		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.59033 0.34754 0.03910 0.02302 background ω 0.07408 1.00000 0.07408 1.00000 foreground ω 0.07408 1.00000 1.00000 1.00000	-5502.44	**4.2*** ***P*=0.040**	
	Model A	3	site class 0 1 2a 2b proportion 0.60365 0.35539 0.02578 0.01518 background ω 0.07390 1.00000 0.07390 1.00000 foreground ω 0.07390 1.00000 557.13406 557.13406	-5500.34	**6.04***	**24 F (0.988)**
	M1a	2	P_0= 0.62947; P_1=0.37053; ω_0=0.07525; ω_1=1.00000	-5503.36	***P*=0.014**	
ATP6	Branch models					
	1ω	1	ω_0=0.0358	-17071.46		
	2ω	2	ω_0=0.0362; ω_1=0.0738	-16968.18		
	2ω (ω_1=1)	1	ω_0= 0.0361	-16969.33		
	Free Ratio	221	ω_1=0.0837; N=6.0, S= 29.0	-16807.45		
	Branch-site models					

	Model A1	4	site class 0 1 2a 2b proportion 0.89946 0.03303 0.06512 0.00239 background ω 0.03307 1.00000 0.03307 1.00000 foreground ω 0.03307 1.00000 1.00000 1.00000	-16831.90	2.42 *P*=0.12	
	Model A	3	site class 0 1 2a 2b proportion 0.94373 0.03465 0.02085 0.00077 background ω 0.03308 1.00000 0.03308 1.00000 foreground ω 0.03308 1.00000 11.63086 11.63086	-16830.69	**8.42****	34 P (0.646); 44 A (0.650); 51 Q (0.674); **115 T (0.991)**
	M1a	2	P_0= 0.96461; P_1=0.03539; ω_0=0.03322; ω_1=1.00000	-16834.90	***P*=0.0037**	
CytB	Branch models					
	1ω	1	ω_0=0.0271	-26338.68		
	2ω	2	ω_0= 0.0268; ω_1= 0.1563	-26228.32		
	2ω (ω_1=1)	1	ω_0= 0.0267	-26229.42		
	Free Ratio	221	ω_1= 0.1428; N= 22.2, S= 50.9	-26089.06		
	Branch-site models					
	Model A1	4	site class 0 1 2a 2b proportion 0.90986 0.02508 0.06332 0.00175 background ω 0.02503 1.00000 0.02503 1.00000 foreground ω 0.02503 1.00000 1.00000 1.00000	-26131.16	**4.02*** ***P*=0.045**	
	Model A	3	site class 0 1 2a 2b proportion 0.94607 0.02610 0.02708 0.00075 background ω 0.02506 1.00000 0.02506 1.00000 foreground ω 0.02506 1.00000 10.55724 10.55724	-26129.15	**13.78*****	**42 I (0.976)**; **64 S (0.962)**; 79 I(0.835); 184 I (0.557); 368 V (0.514); 372 I (0.730); 375 K (0.596)
	M1a	2	P_0= 0.97321; P_1=0.02679;ω_0= 0.02519; ω_1= 1.00000	-26136.04	***P*<0.001**	

Tab. S3: List of nuclear-encoded OXPHOS genes

Gene	LnL(branch bat)	LnL(branch bat1)	LnL(branch rodent)	LnL(branch rodent1)	M1a	Flying fox	Little brown bat	cow	horse	dog	mouse	rat	human	chimpanzee	macaque
ATP12A	-15424.52439	-15424.52439	-15423.78712	-15423.78712	-15424.52439	ENSPVAG00000013016	ENSMLUG00000012378	ENSBTAG00000014486	ENSECAG00000017460	ENSCAFG00000007432	ENSMUSG00000022229	ENSRNOG00000020685	ENSG00000075673	ENSPTRG00000005712	ENSMMUG00000022608
ATP4A	-5598.849376	-5598.849376	-5598.849376	-5598.849376	-5598.849376	ENSPVAG00000012169	ENSMLUG00000016393	ENSBTAG00000008777	ENSECAG00000013121	ENSCAFG00000006951	ENSMUSG00000005553	ENSRNOG00000020985	ENSG00000105675	ENSPTRG00000010850	ENSMMUG00000000845
ATP4B	**-3385.81515**	**-3389.720457**	-3389.208905	-3389.215514	-3390.902838	ENSPVAG00000013414	ENSMLUG00000003617	ENSBTAG00000019961	ENSECAG00000020199	ENSCAFG00000006390	ENSMUSG00000031449	ENSRNOG00000018543	ENSG00000186009	ENSPTRG00000006063	ENSMMUG00000007425
ATP5A1	-4639.900343	-4639.900343	-4639.900343	-4639.900343	-4639.900343	ENSPVAG00000012113	ENSMLUG00000009856	ENSBTAG00000002507	ENSECAG00000021561	ENSCAFG00000007869	ENSMUSG00000025428	ENSRNOG00000017032	ENSG00000152234	ENSPTRG00000009991	ENSMMUG00000003570
ATP5B	**-4374.458129**	**-4615.808389**	-4615.808389	-4615.808389	-4615.808389	ENSPVAG00000007625	ENSMLUG00000016195	ENSBTAG00000013315	ENSECAG00000022627	ENSCAFG00000000136	ENSMUSG00000025393	ENSRNOG00000002840	ENSG00000110955	ENSPTRG00000005107	ENSMMUG00000030356
ATP5C1	-3058.720119	-3058.720119	-3059.178917	-3059.178917	-3059.26294	ENSPVAG00000006512	ENSMLUG00000002279	ENSBTAG00000002836	ENSECAG00000024684	ENSCAFG00000005022	ENSMUSG00000025782	ENSRNOG00000019223	ENSG00000165629	ENSPTRG00000002277	ENSMMUG00000009207
ATP5D	-2019.974621	-2019.974621	-2019.872646	-2019.919162	-2019.974621	ENSPVAG00000005633	ENSMLUG00000015004	ENSBTAG00000000550	ENSECAG00000012169	ENSCAFG00000019536	ENSMUSG00000003072	ENSRNOG00000014625	ENSG00000099624	ENSPTRG00000010190	ENSMMUG00000007091
ATP5F1	-2797.59142	-2797.598746	-2797.289055	-2797.539955	-2797.599389	ENSPVAG00000010604	ENSMLUG00000012417	ENSBTAG00000006441	ENSECAG00000018599	ENSCAFG00000019738	ENSMUSG00000000563	ENSRNOG00000016000	ENSG00000116459	ENSPTRG00000001099	ENSMMUG00000003313
ATP5G1	-1186.009406	-1186.009406	-1184.609631	-1185.524967	-1186.009406	ENSPVAG00000004939	ENSMLUG00000011738	ENSBTAG00000018339	ENSECAG00000019908	ENSCAFG00000006490	ENSMUSG00000006057	ENSRNOG00000012129	ENSG00000159199	ENSPTRG00000009364	ENSMMUG00000013395
ATP5G2	-1361.304316	-1361.537278	-1361.614485	-1361.614485	-1361.614485	ENSPVAG00000012291	ENSMLUG00000011860	ENSBTAG00000005735	ENSECAG00000023021	ENSCAFG00000001530	ENSMUSG00000062683	ENSRNOG00000015320	ENSG00000135390	ENSPTRG00000005023	ENSMMUG00000016241
ATP5G3	-974.081327	-974.081327	-974.081327	-974.081327	-974.081327	ENSPVAG00000008355	ENSMLUG00000012822	ENSBTAG00000002944	ENSECAG00000008514	ENSCAFG00000013366	ENSMUSG00000018770	ENSRNOG00000001596	ENSG00000154518	ENSPTRG00000012661	ENSMMUG00000003954

ATP5H	-1577.914921	-1577.914921	-1577.344949	-1578.234449	-1578.26396	/	ENSMLUG00000010620	ENSBTAG00000021227	ENSECAG00000009487	ENSCAFG00000004703	ENSMUSG00000034566	ENSRNOG00000003626	ENSG00000167863	ENSPTRG00000009628	ENSMMUG00000011647
ATP5I	-884.180157	-884.180157	-884.180157	-884.180157	-884.180157	ENSPVAG00000008778	/	ENSBTAG00000017496	ENSECAG00000017292	ENSCAFG00000023527	ENSMUSG00000050856	ENSRNOG00000000064	ENSG00000169020	ENSPPYG00000014505	/
ATP5J	-1311.575013	-1311.575013	-1310.299167	-1310.299167	-1311.488204	ENSPVAG00000011310	ENSMLUG00000015988	ENSBTAG00000000605	ENSECAG00000017858	ENSCAFG00000004941	ENSMUSG00000022890	ENSRNOG00000001551	ENSG00000154723	ENSPTRG00000013809	ENSMMUG00000008725
ATP5L	**-1042.958319**	**-1044.05988**	-1043.328271	-1043.668507	-1044.2238	ENSPVAG00000006243	ENSMLUG00000014080	ENSBTAG00000007332	ENSECAG00000023715	ENSCAFG00000000377	ENSMUSG00000038717	ENSRNOG00000027113	ENSG00000167283	ENSPTRG00000004342	ENSMMUG00000009632
ATP5O	-2695.0144	-2695.0144	-2694.30307	-2694.382967	-2695.0144	ENSPVAG00000011191	ENSMLUG00000008224	ENSBTAG00000018278	ENSECAG00000009059	ENSCAFG00000009541	ENSMUSG00000022956	ENSRNOG00000001991	ENSG00000159186	ENSPTRG00000013876	ENSMMUG00000015504
ATP6AP1	-5412.326234	-5412.326234	-5412.326234	-5412.326234	-5412.326234	/	ENSMLUG00000003493	ENSBTAG00000012117	ENSECAG00000014216	ENSCAFG00000019582	ENSMUSG00000019087	ENSRNOG00000037244	ENSG00000071553	ENSPTRG00000022435	ENSMMUG00000005501
ATP6V0A1	-7545.729603	-7545.668151	-7543.504315	-7544.702519	-7545.729616	ENSPVAG00000016552	ENSMLUG00000016640	ENSBTAG00000019218	ENSECAG00000016326	ENSCAFG00000015017	ENSMUSG00000019302	ENSRNOG00000036814	ENSG00000033627	ENSPTRG00000009202	ENSMMUG00000022644
ATP6V0A2	-9626.217833	-9626.217831	-9626.217828	-9626.217828	-9626.217826	ENSPVAG00000014752	ENSMLUG00000001283	ENSBTAG00000007272	ENSECAG00000024587	ENSCAFG00000007234	ENSMUSG00000038023	ENSRNOG00000001019	ENSG00000185344	ENSPTRG00000005607	ENSMMUG00000006546
ATP6V0A4	-10132.72233	-10132.72233	-10133.54197	-10133.542	-10133.54211	ENSPVAG00000011743	ENSMLUG00000008209	ENSBTAG00000004263	ENSECAG00000016114	ENSCAFG00000004236	ENSMUSG00000038600	ENSRNOG00000013428	ENSG00000105929	ENSPTRG00000019746	ENSMMUG00000006547
ATP6V0B	-1515.272177	-1515.272177	-1514.85527	-1515.196499	-1515.272177	ENSPVAG00000009506	/	ENSBTAG00000018889	ENSECAG00000024290	ENSCAFG00000004854	ENSMUSG00000033379	ENSRNOG00000019655	ENSG00000117410	ENSPTRG00000000648	ENSMMUG00000015154
ATP6V0C	-1413.706729	-1414.298672	-1411.933998	-1412.160835	-1414.302449	ENSPVAG00000005116	/	ENSBTAG00000026428	/	ENSCAFG00000019363	ENSMUSG00000024121	ENSRNOG00000006542	ENSG00000185883	ENSPTRG00000007653	ENSMMUG00000005679
ATP6V0D1	-3829.718318	-3829.718318	-3829.718318	-3829.743751	-3829.718318	ENSPVAG00000008207	ENSMLUG00000005187	ENSBTAG00000014553	ENSECAG00000015817	ENSCAFG00000020360	ENSMUSG00000013160	ENSRNOG00000017235	ENSG00000159720	ENSPTRG00000008231	ENSMMUG00000029105
ATP6V0D2	-3995.847902	-3995.847902	-3995.847902	-3995.847902	-3995.847902	ENSPVAG00000013452	ENSMLUG00000014748	ENSBTAG00000021092	ENSECAG00000015484	ENSCAFG00000008749	ENSMUSG00000028238	ENSRNOG00000006926	ENSG00000147614	ENSPTRG00000020393	ENSMMUG00000001618

ATP6V0E1	-670.389314	-670.389314	-670.389314	-670.389314	-670.389314	ENSPVAG00000003251	ENSMLUG00000009804	ENSBTAG00000015100	ENSECAG00000000669	ENSCAFG00000016617	ENSMUSG00000015575	ENSRNOG00000003269	ENSG00000113732	ENSPTRG00000017538	ENSMMUG00000013825
ATP6V1A	-4917.631431	-4917.63143	-4918.177545	-4918.176846	-4918.176845	ENSPVAG00000006154	ENSMLUG00000003808	ENSBTAG00000002703	ENSECAG00000021773	ENSCAFG00000010711	ENSMUSG00000052459	ENSRNOG00000001992	ENSG00000114573	ENSPTRG00000015235	ENSMMUG00000007366
ATP6V1B1	-6435.115714	-6435.115715	-6435.115716	-6435.115715	-6435.115714	ENSPVAG00000002904	ENSMLUG00000007334	ENSBTAG00000010620	ENSECAG00000022593	ENSCAFG00000003442	ENSMUSG00000006269	ENSRNOG00000013573	ENSG00000116039	ENSPTRG00000012038	ENSMMUG00000002090
ATP6V1B2	-4273.547954	-4273.547954	-4274.528265	-4274.528255	-4274.528255	ENSPVAG00000010594	ENSMLUG00000008957	ENSBTAG00000018646	ENSECAG00000016500	ENSCAFG00000010095	ENSMUSG00000006273	ENSRNOG00000011891	ENSG00000147416	ENSPTRG00000020040	ENSMMUG00000020000
ATP6V1C1	-2920.976519	-2920.97652	-2920.976519	-2920.976519	-2920.976519	ENSPVAG00000001668	ENSMLUG00000003252	ENSBTAG00000013513	ENSECAG00000024964	ENSCAFG00000000649	ENSMUSG00000022295	ENSRNOG00000004846	ENSG00000155097	ENSPTRG00000020486	ENSMMUG00000001078
ATP6V1C2	-4433.67667	-4433.67667	-4433.554188	-4433.67667	-4433.67667	ENSPVAG00000006345	ENSMLUG00000012207	ENSBTAG00000001927	ENSECAG00000010555	ENSCAFG00000003464	ENSMUSG00000020566	/	ENSG00000143882	ENSPTRG00000011652	ENSMMUG00000010320
ATP6V1D	-1940.661251	-1940.661251	-1940.661251	-1940.661266	-1940.661251	ENSPVAG00000003039	ENSMLUG00000006244	ENSBTAG00000016309	ENSECAG00000017556	ENSCAFG00000016369	ENSMUSG00000021114	ENSRNOG00000009080	ENSG00000100554	ENSPTRG00000006461	ENSMMUG00000021418
ATP6V1E1	-1986.871629	-1986.871629	-1986.919782	-1986.919782	-1986.919782	ENSPVAG00000012052	ENSMLUG00000014876	ENSBTAG00000014238	ENSECAG00000016487	ENSCAFG00000015600	ENSMUSG00000019210	ENSRNOG00000011905	ENSG00000131100	ENSPTRG00000014039	ENSMMUG00000021477
ATP6V1E2	-2456.895669	-2456.915653	-2454.047246	-2455.591599	-2456.915653	ENSPVAG00000013690	/	ENSBTAG00000013734	ENSECAG00000013717	ENSCAFG00000002630	ENSMUSG00000053375	ENSRNOG00000015566	ENSG00000171142	ENSPTRG00000011893	ENSMMUG00000005392
ATP6V1F	-1011.11028	-1011.11028	-1011.11028	-1011.11028	-1011.110335	ENSPVAG00000007063	ENSMLUG00000001392	ENSBTAG00000007572	/	ENSCAFG00000001620	ENSMUSG00000004285	ENSRNOG00000007392	ENSG00000128524	ENSPTRG00000019672	/
ATP6V1G1	-1270.55297	-1270.55297	-1270.55297	-1270.55297	-1270.552972	ENSPVAG00000008334	ENSMLUG00000008657	ENSBTAG00000000203	ENSECAG00000011155	ENSCAFG00000003347	ENSMUSG00000039105	ENSRNOG00000008163	ENSG00000136888	ENSPTRG00000021290	ENSMMUG00000013147
ATP6V1G3	-1597.594416	-1597.752009	-1597.793192	-1597.793192	-1597.793192	ENSPVAG00000001587	ENSMLUG00000012187	ENSBTAG00000019890	ENSECAG00000014193	ENSCAFG00000011322	ENSMUSG00000026394	ENSRNOG00000022480	ENSG00000151418	ENSPTRG00000001816	ENSMMUG00000011992
ATP6V1H	-4153.476131	-4153.476136	-4153.476133	-4153.476132	-4153.47613	ENSPVAG00000005241	ENSMLUG00000000993	ENSBTAG00000003450	ENSECAG00000024159	ENSCAFG00000006947	ENSMUSG00000033793	ENSRNOG00000030862	ENSG00000047249	ENSPTRG00000020249	ENSMMUG00000004064

COX10	-5403.125916	-5403.125917	-5402.16129	-5402.277061	-5403.125916	ENSPVAG00000015472	ENSMLUG00000008715	ENSBTAG00000015294	ENSECAG00000025173	ENSCAFG00000017899	ENSMUSG00000042148	ENSRNOG00000024972	ENSG00000006695	ENSPTRG00000008790	ENSMMUG00000016157
COX11	-3191.088507	-3191.541489	-3193.146579	-3193.206273	-3193.206446	ENSPVAG00000012981	ENSMLUG00000007347	ENSBTAG00000007015	ENSECAG00000015531	ENSCAFG00000017347	ENSMUSG00000020544	ENSRNOG00000002458	ENSG00000166260	ENSPTRG00000009422	ENSMMUG00000010548
COX15	-4499.593077	-4499.593077	-4498.846202	-4499.526092	-4499.593076	ENSPVAG00000017893	ENSMLUG00000012997	/	ENSECAG00000014039	ENSCAFG00000009515	ENSMUSG00000040018	ENSRNOG00000017230	ENSG00000014919	ENSPTRG00000002835	ENSMMUG00000023762
COX17	-570.52896	-570.52896	-570.52896	-570.52896	-570.52896	ENSPVAG00000000882	ENSMLUG00000008085	ENSBTAG00000002182	/	ENSCAFG00000011029	ENSMUSG00000046516	ENSRNOG00000038951	ENSG00000138495	ENSPTRG00000015260	ENSMMUG00000000906
COX4I1	**-1859.961685**	**-1863.426913**	-1862.072658	-1863.917798	-1863.990097	ENSPVAG00000003757	ENSMLUG00000012579	ENSBTAG00000016079	ENSECAG00000011722	ENSCAFG00000019921	ENSMUSG00000031818	ENSRNOG00000017817	ENSG00000131143	ENSPTRG00000008434	ENSMMUG00000006763
COX4I2	-1955.080468	-1955.080468	-1949.178739	-1950.866842	-1955.080468	ENSPVAG00000006111	ENSMLUG00000004800	ENSBTAG00000016171	ENSECAG00000014445	ENSCAFG00000007049	ENSMUSG00000009876	ENSRNOG00000007827	ENSG00000131055	ENSPTRG00000013358	ENSMMUG00000007383
COX5A	-1382.983496	-1382.983496	-1382.983496	-1382.983496	-1382.983496	ENSPVAG00000012957	ENSMLUG00000013702	ENSBTAG00000017267	ENSECAG00000000160	ENSCAFG00000008403	ENSMUSG00000000088	ENSRNOG00000018816	ENSG00000178741	ENSPTRG00000007289	ENSMMUG00000011677
COX5B	-1475.053751	-1475.053751	-1475.053751	-1475.053751	-1475.053751	ENSPVAG00000007115	ENSMLUG00000014512	ENSBTAG00000009149	ENSECAG00000007968	ENSCAFG00000002387	ENSMUSG00000061518	ENSRNOG00000016660	ENSG00000135940	ENSPTRG00000012257	ENSMMUG00000009730
COX6A1	-1338.675159	-1338.67516	-1338.675159	-1338.675159	-1338.675159	ENSPVAG00000002226	ENSMLUG00000010330	ENSBTAG00000008020	ENSECAT00000013033	ENSCAFG00000010302	ENSMUSG00000041697	ENSRNOG00000001170	ENSG00000111775	ENSPTRG00000005532	ENSMMUG00000002837
COX6A2	**-1128.580506**	**-1131.320798**	-1132.207943	-1132.231967	-1132.984201	ENSPVAG00000010824	/	ENSBTAG00000019521	ENSECAG00000011578	ENSCAFG00000016887	ENSMUSG00000030785	ENSRNOG00000019851	ENSG00000156885	ENSPTRG00000008046	ENSMMUG00000014353
COX6B1	-801.406486	-801.406486	**-798.010613**	**-801.42667**	-801.453154	ENSPVAG00000012821	ENSMLUG00000011365	ENSBTAG00000023487	ENSECAG00000012317	ENSCAFG00000006913	ENSMUSG00000036751	ENSRNOG00000024309	ENSG00000126267	ENSPTRG00000010854	ENSMMUG00000016765
COX6C	-845.990355	-845.990355	-845.990355	-845.990355	-845.990355	ENSPVAG00000004366	ENSMLUG00000014896	ENSBTAG00000014130	/	ENSCAFG00000006734	ENSMUSG00000014313	ENSRNOG00000010807	ENSG00000164919	ENSPTRG00000020467	ENSMMUG00000031920
COX7A1	-1094.272943	-1094.272943	-1094.309298	-1094.309298	-1094.309298	ENSPVAG00000012887	ENSMLUG00000012331	ENSBTAG00000014878	ENSECAG00000011458	ENSCAFG00000006578	ENSMUSG00000074218	/	ENSG00000161281	ENSPTRG00000010888	ENSMMUG00000000250

COX7A2	-901.757579	-901.757579	-901.757592	-901.757579	-901.757579	ENSPVAG00000010401	/	ENSBTAG00000005096	ENSECAG00000012469	ENSCAFG00000017234	ENSMUSG00000032330	ENSRNOG00000027791	ENSG00000112695	ENSPTRG00000018353	/
COX7B	-981.128272	-981.128272	-981.128272	-981.128272	-981.128272	ENSPVAG00000003237	/	ENSBTAG00000037415	/	ENSCAFG00000005757	ENSMUSG00000031231	ENSRNOG00000028451	ENSG00000131174	ENSPTRG00000022049	ENSMMUG00000015861
COX7B2	-1108.930237	-1108.930237	-1109.236237	-1109.236237	-1109.236237	ENSPVAG00000012089	/	ENSBTAG00000000003	ENSECAG00000001288	ENSCAFG00000001887	ENSMUSG00000049387	ENSRNOG00000038925	ENSG00000170516	ENSPTRG00000016027	/
COX7C	-588.734586	-588.734586	-588.734586	-588.734586	-588.734586	ENSPVAG00000017689	/	ENSBTAG00000039555	/	ENSCAFG00000024056	ENSMUSG00000017778	ENSRNOG00000030237	ENSG00000127184	ENSPTRG00000017060	ENSMMUG00000030098
COX8A	-843.510285	-843.510285	-843.437717	-843.509582	-843.510285	ENSPVAG00000017098	ENSMLUG00000012232	ENSBTAG00000032505	/	ENSCAFG00000014738	ENSMUSG00000035885	ENSRNOG00000014656	ENSG00000176340	ENSPTRG00000003816	ENSMMUG00000031143
CYC1	-3273.343123	-3273.343123	-3272.025644	-3273.262292	-3273.343123	ENSPVAG00000007102	ENSMLUG00000000669	ENSBTAG00000012232	ENSECAG00000020538	ENSCAFG00000001529	ENSMUSG00000022551	ENSRNOG00000012457	ENSG00000179091	ENSPTRG00000020679	ENSMMUG00000007149
LHPP	-3170.117609	-3170.117609	-3170.117609	-3170.117609	-3170.117609	ENSPVAG00000004591	/	ENSBTAG00000010957	ENSECAG00000009972	ENSCAFG00000012748	ENSMUSG00000030946	ENSRNOG00000017097	ENSG00000107902	ENSPTRG00000003030	ENSMMUG00000015215
NDUFA1	-792.224333	-792.224333	-792.18831	-792.18831	-792.18831	ENSPVAG00000006776	ENSMLUG00000006685	ENSBTAG00000006033	ENSECAG00000020907	/	ENSMUSG00000016427	ENSRNOG00000040005	ENSG00000125356	ENSPTRG00000022230	ENSMMUG00000032194
NDUFA10	-4750.228007	-4750.228007	**-4746.702114**	**-4750.112146**	-4750.228007	ENSPVAG00000004806	ENSMLUG00000005086	ENSBTAG00000003279	ENSECAG00000021275	ENSCAFG00000012591	ENSMUSG00000026260	ENSRNOG00000016470	ENSG00000130414	ENSPTRG00000013099	ENSMMUG00000010382
NDUFA12	-1357.572372	-1357.572372	-1356.217754	-1357.572372	-1357.572372	ENSPVAG00000007564	/	ENSBTAG00000014669	ENSECAG00000015836	ENSCAFG00000006232	ENSMUSG00000020022	ENSRNOG00000007407	ENSG00000184752	ENSPTRG00000005306	ENSMMUG00000018897
NDUFA13	-2656.494084	-2656.494084	-2656.491065	-2656.491065	-2656.491065	ENSPVAG00000017454	ENSMLUG00000017367	ENSBTAG00000007812	ENSECAG00000017928	ENSCAFG00000014244	ENSMUSG00000036199	ENSRNOG00000020602	ENSG00000130288	ENSPTRG00000010741	ENSMMUG00000011350
NDUFA2	-1414.906906	-1414.906906	-1414.906906	-1414.906906	-1414.906906	ENSPVAG00000009708	ENSMLUG00000003190	ENSBTAG00000015041	ENSECAG00000023131	ENSCAFG00000005861	ENSMUSG00000014294	ENSRNOG00000017571	ENSG00000131495	ENSPTRG00000017321	ENSMMUG00000010011
NDUFA3	-1120.063638	-1120.323008	-1121.930849	-1121.930849	-1121.930849	ENSPVAG00000015560	ENSMLUG00000016856	ENSBTAG00000007754	ENSECAG00000015897	ENSCAFG00000002703	ENSMICG00000002349	ENSRNOG00000014224	ENSG00000170906	ENSPTRG00000028890	ENSPVAG00000015560

NDUFA4	-802.331161	-802.331161	-802.331161	-802.331161	-802.331161	ENSPVAG00000006660	ENSMLUG00000006470	ENSBTAG00000011145	/	/	ENSMUSG00000029632	ENSRNOG00000005512	ENSG00000189043	ENSPTRG00000018934	/
NDUFA4L2	-766.410424	-766.410424	-766.410424	-766.410424	-766.410424	ENSPVAG00000003964	ENSMLUG00000004963	ENSBTAG00000031503	ENSECAG00000023525	ENSCAFG00000000200	ENSMUSG00000040280	ENSRNOG00000031851	ENSG00000185633	ENSPTRG00000005125	ENSMMUG00000021786
NDUFA6	-660.516162	-660.518652	-660.528127	-660.528127	-660.528127	ENSPVAG00000001196	ENSMLUG00000000556	ENSBTAG00000009509	ENSECAG00000022520	ENSCAFG00000000982	ENSMUSG00000022450	ENSRNOG00000008569	ENSG00000184983	ENSPTRG00000014449	ENSMMUG00000013060
NDUFA7	-1323.484101	-1323.484101	-1323.873734	-1323.873734	-1323.873734	ENSPVAG00000009642	ENSMLUG00000003194	ENSBTAG00000002466	ENSECAG00000014853	ENSCAFG00000018497	ENSMUSG00000041881	ENSRNOG00000006939	ENSG00000167774	ENSPTRG00000010418	ENSMMUG00000016697
NDUFA8	-2044.277676	-2044.277676	-2044.277676	-2044.277676	-2044.277676	ENSPVAG00000000860	ENSMLUG00000004776	ENSBTAG00000004295	ENSECAG00000023040	ENSCAFG00000020282	ENSMUSG00000026895	ENSRNOG00000005668	ENSG00000119421	ENSPTRG00000021319	ENSMMUG00000011450
NDUFA9	-4329.489398	-4329.489398	-4331.561088	-4331.773627	-4331.818045	ENSPVAG00000012888	/	ENSBTAG00000005465	ENSECAG00000016601	ENSCAFG00000015320	ENSMUSG00000000399	ENSRNOG00000026930	ENSG00000139180	ENSPTRG00000004557	ENSMMUG00000020813
NDUFAB1	-1808.006798	-1808.006798	-1808.006798	-1808.006798	-1808.006798	ENSPVAG00000008438	ENSMLUG00000012145	ENSBTAG00000006391	ENSECAG00000010779	ENSCAFG00000017667	ENSMUSG00000030869	ENSRNOG00000018129	ENSG00000004779	ENSPTRG00000007889	ENSMMUG00000020522
NDUFB1	-507.613383	-507.613383	/	/	-507.613383	ENSPVAG00000015319	ENSMLUG00000011664	ENSBTAG00000015156	ENSECAG00000023911	ENSCAFG00000010903	/	/	ENSG00000183648	ENSPTRG00000006649	ENSMMUG00000022428
NDUFB10	-1958.673874	-1958.673874	-1958.673873	-1958.673873	-1958.673873	ENSPVAG00000016701	ENSMLUG00000011655	ENSBTAG00000009534	ENSECAG00000020610	ENSCAFG00000019476	ENSMUSG00000040048	ENSRNOG00000014568	ENSG00000140990	ENSPTRG00000007618	ENSMMUG00000029268
NDUFB11	-1827.054442	-1827.054442	-1825.102352	-1826.649461	-1827.054442	ENSPVAG00000006786	ENSMLUG00000013092	/	ENSECAG00000020805	ENSCAFG00000014834	/	ENSRNOG00000005572	ENSG00000147123	ENSPTRG00000021836	ENSMMUG00000017422
NDUFB2	-1365.022784	-1365.022784	-1365.022784	-1365.022784	-1365.022784	ENSPVAG00000015736	ENSMLUG00000014604	ENSBTAG00000021759	ENSECAG00000000877	ENSCAFG00000003930	ENSMUSG00000002416	ENSRNOG00000026616	ENSG00000090266	ENSPTRG00000019771	ENSMMUG00000015284
NDUFB3	-1068.299538	-1068.299538	-1066.76948	-1068.138358	-1068.299538	ENSPVAG00000003269	ENSMLUG00000012878	ENSBTAG00000012760	ENSECAG00000020674	ENSCAFG00000012111	/	ENSRNOG00000011825	ENSG00000119013	ENSPTRG00000012797	ENSMMUG00000012225
NDUFB4	-1595.815561	-1595.815562	-1595.22617	-1595.813449	-1595.815561	ENSPVAG00000014844	/	ENSBTAG00000015892	ENSECAG00000015610	ENSCAFG00000011204	ENSMUSG00000022820	ENSRNOG00000002721	ENSG00000065518	ENSPTRG00000015270	ENSMMUG00000001592

NDUFB5	-2292.289273	-2292.289273	-2291.789946	-2291.789946	-2292.289273	ENSPVAG00000004286	ENSMLUG00000000999	ENSBTAG00000002463	ENSECAG00000000682	/	ENSMUSG00000027673	ENSRNOG00000011949	ENSG00000136521	ENSPTRG00000015649	ENSMMUG00000007554
NDUFB7	-1695.410032	-1695.410032	-1694.823133	-1695.410032	-1695.410032	ENSPVAG00000006960	ENSMLUG00000008446	ENSBTAG00000012634	ENSECAG00000017656	ENSCAFG00000016258	ENSMUSG00000033938	ENSRNOG00000028717	ENSG00000099795	ENSPTRG00000010596	ENSMMUG00000021612
NDUFB8	-1972.221556	-1972.221556	-1972.029554	-1972.029554	-1972.221556	ENSPVAG00000008011	ENSMLUG00000015094	ENSBTAG00000000091	ENSECAG00000010039	ENSCAFG00000009698	ENSMUSG00000025204	ENSRNOG00000014078	ENSG00000166136	ENSPTRG00000002851	ENSMMUG00000006636
NDUFB9	-1835.457499	-1835.457499	-1834.204175	-1834.781037	-1835.457499	ENSPVAG00000009153	ENSMLUG00000003765	ENSBTAG00000020405	ENSECAG00000018238	ENSCAFG00000001045	ENSMUSG00000022354	ENSRNOG00000009364	ENSG00000147684	ENSPTRG00000020569	ENSMMUG00000015493
NDUFC1	-1094.687808	-1094.687808	-1094.687831	-1094.687808	-1094.687808	ENSPVAG00000009582	ENSMLUG00000009082	ENSBTAG00000039582	ENSECAG00000021948	ENSCAFG00000003724	ENSMUSG00000037152	ENSRNOG00000038218	ENSG00000109390	ENSPTRG00000016452	ENSMMUG00000018182
NDUFC2	-1457.428438	-1457.428438	-1456.519535	-1457.403997	-1457.428438	ENSPVAG00000013258	ENSMLUG00000014617	ENSBTAG00000018188	/	ENSCAFG00000004842	ENSMUSG00000030647	ENSRNOG00000012383	ENSG00000151366	ENSPTRG00000004111	ENSMMUG00000017471
NDUFS1	-6427.262524	-6427.262524	-6427.262524	-6427.262524	-6427.262524	ENSPVAG00000017332	ENSMLUG00000016594	ENSBTAG00000021976	ENSECAG00000015914	ENSCAFG00000013333	ENSMUSG00000025968	ENSRNOG00000011849	ENSG00000023228	ENSPTRG00000012842	ENSMMUG00000016788
NDUFS2	-4262.270525	-4262.270525	-4256.74737	-4258.266874	-4262.270525	ENSPVAG00000005536	ENSMLUG00000004570	ENSBTAG00000002203	ENSECAG00000009102	ENSCAFG00000012850	ENSMUSG00000013593	ENSRNOG00000038372	ENSG00000158864	ENSPTRG00000001577	ENSMMUG00000004520
NDUFS3	-2730.297756	-2730.297757	-2723.991651	-2724.542081	-2730.297756	ENSPVAG00000007344	ENSMLUG00000016649	ENSBTAG00000018483	ENSECAG00000013454	ENSCAFG00000008411	ENSMUSG00000005510	ENSRNOG00000009155	ENSG00000213619	ENSPTRG00000003571	ENSMMUG00000004286
NDUFS4	-1733.131391	-1733.131391	-1732.059621	-1732.750983	-1733.131391	ENSPVAG00000013996	ENSMLUG00000005715	ENSBTAG00000003728	ENSECAG00000017188	ENSCAFG00000018399	ENSMUSG00000021764	ENSRNOG00000011383	ENSG00000164258	ENSPTRG00000016864	ENSMMUG00000004861
NDUFS5	-1433.811032	-1433.811032	-1432.852399	-1433.725421	-1433.811032	ENSPVAG00000001993	ENSMLUG00000007383	ENSBTAG00000010232	ENSECAG00000011681	ENSCAFG00000003185	ENSMUSG00000028648	ENSRNOG00000030585	ENSG00000168653	ENSPTRG00000000568	ENSMMUG00000007657
NDUFS6	-1795.000969	-1795.000969	-1795.018444	-1795.018444	-1795.018444	ENSPVAG00000003578	ENSMLUG00000016888	ENSBTAG00000009914	ENSECAG00000021690	ENSCAFG00000010444	ENSMUSG00000021606	ENSRNOG00000018068	ENSG00000145494	ENSPTRG00000016706	ENSMMUG00000004447
NDUFS8	-2183.897564	-2183.897564	-2183.088688	-2183.088688	-2183.897564	ENSPVAG00000001185	ENSMLUG00000017611	ENSBTAG00000012072	ENSECAG00000010175	ENSCAFG00000011083	ENSMUSG00000059734	ENSRNOG00000017446	ENSG00000110717	ENSPTRG00000003978	ENSMMUG00000023189

NDUFV1	-4766.297301	-4766.297301	-4766.297301	-4766.297301	-4766.297301	ENSPVAG00000008590	ENSMLUG00000011539	ENSBTAG00000021776	ENSECAG00000021477	ENSCAFG00000011109	ENSMUSG00000037916	ENSRNOG00000018117	ENSG00000167792	ENSPTRG00000003969	ENSMMUG00000018526
NDUFV2	-2183.409745	-2183.409721	-2180.110411	-2181.901269	-2183.409721	ENSPVAG00000004820	ENSMLUG00000013503	ENSBTAG00000004871	ENSECAG00000009904	ENSCAFG00000018686	ENSMUSG00000024099	ENSRNOG00000032758	ENSG00000178127	ENSPTRG00000009856	ENSMMUG00000001354
SDHA	-7980.601141	-7980.60114	-7980.60114	-7980.60114	-7980.60114	ENSPVAG00000009296	ENSMLUG00000017004	/	ENSECAG00000000397	ENSCAFG00000010951	ENSMUSG00000021577	ENSRNOG00000013331	ENSG00000073578	ENSPTRG00000016677	ENSMMUG00000011012
SDHB	-2890.982372	-2890.982372	-2890.959143	-2890.959143	-2890.959143	ENSPVAG00000009792	ENSMLUG00000000032	ENSBTAG00000008314	ENSECAG00000011758	ENSCAFG00000015832	ENSMUSG00000009863	ENSRNOG00000007967	ENSG00000117118	ENSPTRG00000000242	ENSMMUG00000009488
SDHC	-2309.121986	-2309.121986	-2305.692559	-2307.549006	-2309.121986	ENSPVAG00000005544	ENSMLUG00000007759	ENSBTAG00000015853	ENSECAG00000014215	ENSCAFG00000012992	ENSMUSG00000058076	ENSRNOG00000003163	ENSG00000143252	ENSPTRG00000001585	ENSMMUG00000000346
SDHD	-1856.815523	-1857.341156	-1857.35055	-1857.35055	-1857.35055	ENSPVAG00000009622	ENSMLUG00000012228	ENSBTAG00000016266	/	ENSCAFG00000024546	ENSMUSG00000000171	ENSRNOG00000022980	ENSG00000204370	ENSPTRG00000028397	ENSMMUG00000015247
UQCR	-577.974777	-577.974777	-577.995738	-577.995738	-577.995738	/	ENSMLUG00000006169	ENSBTAG00000008692	ENSECAG00000022524	ENSCAFG00000019501	ENSMUSG00000020163	ENSRNOG00000016952	ENSG00000127540	ENSPTRG00000010210	ENSMMUG00000009016
UQCRB	-1408.695147	-1408.695137	-1409.07848	-1409.07848	-1409.07848	ENSPVAG00000012321	ENSMLUG00000007182	ENSBTAG00000006660	ENSECAG00000009780	ENSCAFG00000009449	ENSMUSG00000021520	ENSRNOG00000024967	ENSG00000156467	ENSPTRG00000020440	ENSMMUG00000008804
UQCRC1	-5109.771344	-5109.771344	-5107.775675	-5109.428404	-5109.771344	ENSPVAG00000006648	ENSMLUG00000000505	ENSBTAG00000019096	ENSECAG00000020020	ENSCAFG00000012329	ENSMUSG00000025651	ENSRNOG00000032134	ENSG00000010256	ENSPTRG00000014892	ENSMMUG00000014705
UQCRC2	-4774.873893	-4774.873893	-4773.831643	-4774.001865	-4774.873893	ENSPVAG00000007993	ENSMLUG00000003345	ENSBTAG00000021651	ENSECAG00000021501	ENSCAFG00000017756	/	ENSRNOG00000036742	ENSG00000140740	ENSPTRG00000007871	ENSMMUG00000018287
UQCRFS1	-3826.316352	-3826.316352	-3826.316352	-3826.316352	-3826.316352	/	ENSMLUG00000001479	/	ENSECAG00000004824	ENSCAFG00000007636	ENSMUSG00000038462	ENSRNOG00000018281	ENSG00000169021	ENSPTRG00000010777	ENSMMUG00000008417
UQCRH	-860.01673	-860.01673	-860.01673	-860.01673	-898.165555	ENSPVAG00000010154	ENSMLUG00000003779	ENSBTAG00000009603	ENSECAG00000019073	ENSCAFG00000004260	ENSMUSG00000063882	ENSRNOG00000012550	ENSG00000173660	ENSPTRG00000000691	ENSMMUG00000004204
UQCRQ	-898.165555	-898.165555	-898.177795	-898.177795	-898.177795	ENSPVAG00000015201	ENSMLUG00000007686	ENSBTAG00000009479	/	ENSCAFG00000000919	ENSMUSG00000044894	ENSRNOG00000007233	ENSG00000164405	ENSPTRG00000017226	ENSMMUG00000015635

Table S4: List of 77 nuclear-encoded OXPHOS genes re-sequenced in this study

Gene Name	Primers	GenBank Accession Numbers			
		Scotophilus kuhlii	*Miniopterus fuliginosus*	*Cynopterus sphinx*	*Rousettus leschenaultia*
ATP4A	F5'-3' ATTGCTGCCCGTCTCCGTGTG R5'-3' TATAAATGAGGTATGGCGTCA	GU292797		GU292798	
ATP5A1	F5'-3' TGCAGATGCCATGAAG R5'-3' GTTAGACGCACGCCAC F5'-3' GATAGCTTGGTGCCCATTGGTC R5'-3' ACCCTCTTACACCGGCATA	GQ427677	GQ427678	GQ427679	GQ427680
ATP5B	F5'-3' TCTGTGTTTGCTGGTGTTG R5'-3' ATCGGCAGGCACATAGATA		GU292799	GU292800	GU292801
ATP5C1	F5'-3' GTTYTCTCGGGCGGGCGT R5'-3' CGGGTGCGATTGAARGTC F5'-3' CYACTTTTGGAGAYGC R5'-3' AACTCCTTTGTGATGA	GQ427681	GQ427682	GQ427683	GQ427684
ATP5D	F5'-3' TGTCCTTYACCTTCGC R5'-3' GGATTTGGATCTCRGCC		GQ427685	GQ427686	GQ427687
ATP5G2	F5'-3' CGCCAAGTTYGTCTCCAC R5'-3' AGAAAGGCCACCATCAGG F5'-3' GCAGTGGTGCTRAAACGACC R5'-3' TGGCGAAGAGGATGAGAAAGG	GQ427688	GQ427689	GQ427690	GQ427691
ATP5G3	F5'-3' CTGCACCCCMGCTCTGAT R5'-3' CAAGAAAGCAACCATCAA F5'-3' GCCTGCACCYCAGCTCTGA R5'-3' TCAAGAAAGCAACCATCAA	GQ427692	GQ427693	GQ427694	GQ427695
ATP5H	F5'-3' CCATTGACTGGGTAGCTT R5'-3' TGGTTTCYGGGAAGACTT	GQ427696	GQ427697	GQ427698	GQ427699
ATP5I	F5'-3' TKCCGCCGGTGCAGGTCT R5'-3' TCCCKCTCGATCCGCTTC				GQ427700
ATP5O	F5'-3' GCAGGTGCGATGCTTCAG R5'-3' KGCCCTGCTCAGCTTCTG	GQ427701	GQ427702	GQ427703	GQ427704
ATP6V0B	F5'-3' GTCTTCGTGGCYTTCTGG R5'-3' TCTTCACTCTGGAGGTCTG	GQ427705	GQ427706	GQ427707	GQ427708
ATP6V0C	F5'-3' ATGTCCGAGGCCAAGARCG R5'-3' GGATGAGSGCAACGATGA	GQ427711	GQ427709	GQ427710	GQ427712
ATP6V0D1	F5'-3' AGCCARGCSGACTACCTC R5'-3' CACCAGCTCGGCGATAGA F5'-3' AGCCARGCSGACTACCTC R5'-3' GCTTCACAAAGGCGTAAA			GQ427713	GQ427714
ATP6V0E1	F5'-3' CGTGATGAGCGTGTTCTG R5'-3' AGGCCAGTGATRCTTGAGATAC	GQ427715	GQ427716	GQ427717	GQ427718
ATP6V1A	F5'-3' AGGTGCAGCCATGTATGAGC	GQ427719			GQ427720

	R5’-3’ GGGCAGTGGTTTCAACAGCT				
ATP6V1B2	F5’-3’ TTCTCTGCTGCTGGCTTACC R5’-3’ CGAGGGTAGAACTCGCTC F5’-3’ GCGTTCATATATTGTGGC R5’-3’ GCCTATCAGTGTGAGAAA	GQ427721	GQ427722	GQ427723	GQ427724
ATP6V1C1	F5’-3’ ATAACCTGAAAGGGAATC R5’-3’ ATCTTGTAGTACACATACGG			GQ427725	GQ427726
ATP6V1D	F5’-3’ CATGAAGGCTCGATTAAA R5’-3’ TTCAGCCAGAAGATTRGC F5’-3’ ATGTCGGGCAAAGACC R5’-3’ YTCCGTTKCTCCAAKTCC	GQ427728	GQ427729	GQ427727	
ATP6V1E1	F5’-3’ ATTGAGAAAGGTCGTCTYGT R5’-3’ ATCATCTGCTGGGCTATG F5’-3’ AACATTGAGAAAGGTCGTC R5’-3’ CAACAACTGGTACAAACC	GQ427730	GQ427731	GQ427732	GQ427733
ATP6V1E2	F5’-3’ TGAGTGATGTYGATGTRCA R5’-3’ GCATCTTTTGCTGGGCTA			GQ427735	GQ427734
ATP6V1G1	F5’-3’ GCTGCAGGCCGAGAAGCG R5’-3’ GCCGGATGTCRCAGACAAAGG	GQ427736	GQ427737	GQ427738	GQ427739
ATP6V1G2	F5’-3’ AGTCARTCCCAGGGTATCCA R5’-3’ GGCAGCAATCCGGTAGTT	GQ427740	GQ427741	GQ427742	GQ427743
ATP6V1H	F5’-3’ GTGCYGTGGATGCTGCTG R5’-3’ TRACCCGTTTGCCTCGTG F5’-3’ GTGAACTGGCAGTCCTATCT R5’-3’ CAAAGCGGTACTCATTGACC F5’-3’ GTGAACTGGCAGTCCTATCT R5’-3’ CTAAGACTTGTGGATCAT F5’-3’ CGKGGTGCYGTGGATG R5’-3’ ATCRGAYAGAACAGGAATGA	GQ427744	GQ427745	GQ427746	GQ427747
ATP12A	F5’-3’ TAGGAGCCATCCTGTGCT R5’-3’ TTGGCYGAAATGATACCTAC	GQ427748		GQ427749	GQ427750
COX4I1	F5’-3’ GACTATCCCTTGCCTGATGT R5’-3’ CACAACTGTCTTCCATTCAT	GU292802	GU292803	GU292804	GU292805
COX4I2	F5’-3’ GCGCTCCTACCCCATG R5’-3’ CSGGGTTGCCCTTCAT			GQ427751	GQ427752
COX5A	F5’-3’ CAGCCCTCGAGGCCTCC R5’-3’ TTCCCAGTTCATTTAAAGTTGGTC	GQ427753	GQ427754	GQ427755	GQ427756
COX5B	F5’-3’ GGCTTCAAGGTTACTYCG R5’-3’ CACAGCTAGGGCATCG	GQ427758	GQ427760	GQ427759	GQ427757
COX6A1	F5’-3’ TTTCTGGGCTGCTRGG R5’-3’ AGRGTTATGGAATAGAGTATG F5’-3’ CGGGTTTYTGGGCTGC	GQ427761	GQ427762	GQ427763	GQ427764

	R5’-3’ ATCYTCATAGCCRGTYGGA F5’-3’ TYTGGGCTGCTRGGTCG R5’-3’ TTGGWCCTGATGCGGAG				
COX6B1	F5’-3’ TCAAGACCAAAATCAAGA R5’-3’ TCCCAGGAAAYGTGCC	GQ427766	GQ427767	GQ427768	GQ427769
COX6C	F5’-3’ GATGCGYGGCCTTCTG R5’-3’ CAGCCTTCCTCATCTCC F5’-3’ AAGCGTCTGCGATTTCA R5’-3’ GCCTTCCTCATCTCCTC F5’-3’ GCTTTGYCAAAACCTCAG R5’-3’ TACCAGCCTTCCTCATC	GQ427770	GQ427771	GQ427772	GQ427773
COX7A1	F5’-3’ CGCTCCTTCAGYTCAA R5’-3’ CAGCCAAGGCARTACAG	GQ427774			
COX7A2	F5’-3’ GCCCAGAGGACCATAA R5’-3’ GAAAGGAAGCCAYAGC	GQ427777	GQ427775	GQ427776	GQ427778
COX7B	F5’-3’ AAAACGCMCTAAGTCG R5’-3’ CATTCCTTTGGGGTGA F5’-3’ CGTCTCCGAGTTCAAA R5’-3’ CCTTTGGGGTGACTCT	GQ427779	GQ427780	GQ427781	GQ427782
COX8A	F5’-3’ GCTGACGCCGCTSCTG R5’-3’ GYGACAGGACCCAGCC		GQ427785	GQ427783	GQ427784
COX10	F5’-3’ AAACCRAAGCCAGAACC R5’-3’ GACYGACATCATGCAGTAG		GQ427788	GQ427786	GQ427787
COX11	F5’-3’ CCGAAGAGCACGAAYCC R5’-3’ TCAGCAAATTCAGGATC	GQ427789			GQ427790
COX15	F5’-3’ CCCGTGTCTCCGACTCCT R5’-3’ GCCCGACTGGTGAGTAGCAG F5’-3’ GCAGCGATTACTCCTTCCGC R5’-3’ GCCCGACTGGTGAGTAGCAG	GQ427791	GQ427792		
CYC1	F5’-3’ GCCGRAAAGTGATGCT R5’-3’ CTTGGCTACCTGRGACA		GQ427793	GQ427794	GQ427795
LHPP	F5’-3’ GGTGCTGCTCGACATC R5’-3’ GTCRCTGGGCCTGAACT		GQ427796	GQ427797	
NDUFA1	F5’-3’ GGTTCGAGATTCTCCC R5’-3’ TCCAAACCCTTTGACA		GQ427798	GQ427799	
NDUFA2	F5’-3’ ARCTGGGYCTACGRGA R5’-3’ GCTTTGCCACTTAGC F5’-3’ GYCTACGYGAGATTCG R5’-3’ AGGGCTCTGKTTACCTGAT	GQ427800	GQ427801	GQ427802	GQ427803
NDUFA3	F5’-3’ GAATGCCTGGGCCAAGGA R5’-3’ GGCACGTCRGGCATGTTC	GQ427804	GQ427805	GQ427806	GQ427807
NDUFA4	F5’-3’ AGCATCCMAGCTTGAT R5’-3’ TCTGGACCTTCTTTCTTC	GQ427808	GQ427809	GQ427810	GQ427811

	F5’-3’ GCTCCGCCAGATCSTC R5’-3’ GACCTTCTTTCTTCAGTTTG				
NDUFA6	F5’-3’ CGATTTCCTTAGCAAGATGG R5’-3’ TTTCATGGAAGAACCGCATA	GU292806	GU292807	GU292808	GU292809
NDUFA7	F5’-3’ GCTRCGGAACTGGGCMTC R5’-3’ GGYGTCACYGCCTTCTTC				GQ427812
NDUFA8	F5’-3’ CCYACTCTGGAGGATCT R5’-3’ RTGYTTGGCAGGCTTC F5’-3’ CGGGGATMGTGGAGCT R5’-3’ YTTGGCAGGCTTCAG	GQ427813	GQ427814	GQ427815	GQ427816
NDUFA13	F5’-3’ CGAAGGTGAAGCAGGAC R5’-3’ CRTAGGTGGCRTTGAGAA	GQ427817	GQ427818	GQ427819	GQ427820
NDUFB2	F5’-3’ ATGTCGGYTCTGACGC R5’-3’ TCCAYTGGGAAGGATC	GQ427821	GQ427822		
NDUFB3	F5’-3’ ACAATGGAAGATAGAAGGGAC R5’-3’ ACCACAAATGCAGCAAA F5’-3’ ATGGCCCATGGACATG R5’-3’ ATTCARCCCCTACAGC	GQ427823	GQ427824	GQ427825	GQ427826
NDUFB4	F5’-3’ ATGTCGTTCCCCAAGT R5’-3’ TKCGATCCAATTTTCC			GQ427827	
NDUFB5	F5’-3’ AGCTTGCTGCAGCGGGCTTC R5’-3’ TCTCGAACGCATTAATCTTCG F5’-3’ TRCTGCAGCGGGCTTCG R5’-3’ TCRGGATTTGYTTTTGGA	GQ427828	GQ427829	GQ427830	GQ427831
NDUFB7	F5’-3’ TGCGGATGCCCACCTT R5’-3’ CTGCCTCCCTCTGCTC		GQ427832	GQ427833	GQ427834
NDUFB8	F5’-3’ TTACCAAGGACATGCTCCCG R5’-3’ GAACCACTGGCTCAGGCTCT F5’-3’ CCGATGGCTGCAAAGGG R5’-3’ GGATCGCCGCCTCGTT	GQ427835		GQ427836	GQ427837
NDUFB9	F5’-3’ GACCCAYCAGCAGAAG R5’-3’ CACAATATGCCACCACAG	GQ427838	GQ427839	GQ427840	GQ427841
NDUFB10	F5’-3’ RCTGGGACAAGGACGTG R5’-3’ GGCAGCAGYAGCYTCT	GQ427842	GQ427843	GQ427844	GQ427845
NDUFB11	F5’-3’ CSGGACTGTTAGGTTTG R5’-3’ CTGKCAGCTGGATCTT F5’-3’ CMTTTTGGCAGYAGCG R5’-3’ GGATCTTGCTGGGGTC	GQ427846	GQ427847	GQ427848	GQ427849
NDUFC2	F5’-3’ CCCAAGCTGACSGACC R5’-3’ TTCACCATAAGTTTTCTTATCT	GQ427850		GQ427851	GQ427852
NDUFS1	F5’-3’ CACAGCAGCAAGCAAC R5’-3’ CATTGTCTGTGAGGCT	GQ427853	GQ427854	GQ427855	GQ427856
NDUFS2	F5’-3’ GCAGCCAGATGTGGARTG	GQ427857	GQ427858	GQ427859	

	R5’-3’ AGCCAGGTGGGCAAAA				
NDUFS3	F5’-3’ CCCTCGGTGYTGTTGC R5’-3’ GCAGGGAAAGCCTCCC		GQ427860	GQ427861	GQ427862
NDUFS4	F5’-3’ AGGTCRTTGAGCACTT R5’-3’ GCCRTAAGACTTGGAC F5’-3’ GACACGCAACTCATAAC R5’-3’ CTTCAACGTCATAGCTC	GQ427863	GQ427864	GQ427865	GQ427866
NDUFS5	F5’-3’ TRCAGAAAAGGCTGGG R5’-3’ AGTGGTGRGGTGGAGG F5’-3’ CAAAGTGCTGARCAGCC R5’-3’ GTGTACTTYCCCTCCTT	GQ427867	GQ427868	GQ427869	GQ427870
NDUFS6	F5’-3’ GGCGGCRGTGACCTTC R5’-3’ RTGSTGCTGTYTGAACTGGAG	GQ427872	GQ427873		GQ427871
NDUFS8	F5’-3’ CACAGCAGCRCAGTGG R5’-3’ TGTTGGCRGCGATCTC		GQ427874		
NDUFV1	F5’-3’ AGCGGCGACRCGACAG R5’-3’ GGCACAGACATCTCCTCCT	GQ427875	GQ427876	GQ427877	GQ427878
NDUFV2	F5’-3’ RCATAAGACAGCTGTGCAAAAT R5’-3’ TGGGTGGTTCRGTCAAAGAG	GQ427879	GQ427880	GQ427881	GQ427882
PPA1	F5’-3’ CCTCGAGTACCGAGTCT R5’-3’ CATCCACAATGGCTTT	GQ427883	GQ427884	GQ427885	GQ427886
PPA2	F5’-3’ TACCTCGGTGGACAAA R5’-3’ ATAGCCCCTCCATCAC	GQ427887	GQ427888	GQ427889	
SDHC	F5’-3’ CGTGCCCACCTYAGTC R5’-3’ GGACAGCCACYCCAGAC		GQ427890		
SDHD	F5’-3’ CTSTTCCTCCGAACCC R5’-3’ CTTTGCAGATGCCCAC	GQ427893	GQ427891	GQ427892	GQ427894
UQCRB	F5’-3’ YGTTGCAGCATCARGC R5’-3’ TCCCGAATAACCTCTTT F5’-3’ GGTGGCTGGAGGGTATTC R5’-3’ TTCTTTGCCCATTCTTCT	GQ427895			GQ427896
UQCRC2	F5’-3’ AGGACCTTGAGTTYACCA R5’-3’ TGCTGCCATTGACTTC			GQ427897	GQ427898
UQCRH	F5’-3’ GGGGCTRGAGGACGAG R5’-3’ CTGTTAAARAGTTTGTGGG	GQ427899		GQ427900	GQ427901
UQCRQ	F5’-3’ ATGGGCCGCGAGTTYGG R5’-3’ CRGCTGGATTCTTCCTCTTSGA	GQ427904	GQ427902	GQ427903	GQ427905
ATP5F1	F5’-3’ GAAGAACGCMGCCCTCCT R5’-3’ AATGCACTTGGCAATTGT F5’-3’ ACCCTATGTGCTYGGA R5’-3’ GTGCTTGRGCCTTCTT	GQ427906	GQ427907	GQ427908	GQ427909
ATP6V1F	F5’-3’ AAGCTRATTGCGGTGATC R5’-3’ GTCTTCGGCCGTGAACAT	GQ427912	GQ427910	GQ427911	GQ427913

Table S5: The analyses results of the 77 resequenced nuclear-encoded OXPHOS genes

Gene	M1	N*dN	S*dS	M0	bat	bat1	branch_site bat	branch_site bat1	M1a	M2	M7	M8	M8a
ATP12A	ω=0.1188 -11762.56633	14.2	41.8	ω=0.1446 -11963.03363	ωb=0.1158,ω0=0.1340 -11772.644739	ω=0.1311 -11775.51568	-11533.22044	-11533.22044	-11533.22048	-11533.22044	-11525.54174	-11516.13191	-11519.06391
ATP5A1	ω=0.0001 -1697.408702	0.0	4.8	ω=0.00766 -1721.211143	ωb=0.0595,ω0=0.0065 -1703.147766	ω=0.0059 -1705.618818	-1695.67208	-1695.67208	-1695.67208	-1695.67208	-1698.727029	-1695.678696	-1695.678072
ATP5B	ω=0.0001 -4351.401997	0.0	10.3	ω=0.0423 -4397.356026	ωb=0.0001,ω0=0.0422 -4361.638991	ω=0.0411 -4368.220205	-4319.707052	-4319.707052	-4319.707052	-4319.707052	-4316.34142	-4316.341396	-4317.871063
ATP5C1	ω=0.3829 -645.729318	0.0	0.0	ω=0.0834 -674.197377	ωb=1.892,ω0=0.0781 -659.521694	ω=0.0781 -659.521694	-653.126367	-653.126367	-653.126367	-653.125653	-651.134971	-650.771369	-651.015041
ATP5D	ω=0.0001 -1350.299709	0.0	6.4	ω=0.0323 -1366.459738	ωb=0.0001,ω0=0.0325 -1360.293434	ω=0.0312 -1362.578039	-1356.684417	-1356.684417	-1356.684417	-1356.684417	-1353.156717	-1353.156826	-1353.167028
ATP5F1	ω=1.2614 -1956.00116	3.0	1.0	ω=0.2574 -1982.865576	ωb=0.7996,ω0=0.2517 -1974.105532	ω=0.2514 -1974.117444	-1946.3428	-1946.376617	-1946.733261	-1945.397082	-1947.699954	-1943.714522	-1946.188454
ATP5G2	ω=884.2838 -819.558219	1.2	0.0	ω=0.1813 -845.851384	ωb=999,ω0=0.1690 -830.287634	ω=0.1713 -830.708473	-818.681662	-818.681662	-818.681662	-818.681662	-818.626464	-818.578551	-818.603049
ATP5G3	ω=2.4141 -821.782731	0.0	0.0	ω=0.2049 -852.942528	ωb=0.3969,ω0=0.2007 -826.356429	ω=0.2007 -826.356429	-819.164995	-819.164995	-819.164995	-819.159668	-819.206323	-819.159671	-819.164986
ATP5H	ω=999.000 -1269.78556	2.0	0.0	ω=0.2113 -1304.904747	ωb=3.983,ω0=0.2023 -1280.438328	ω=0.2030 -1280.474014	-1266.043043	-1266.137104	-1266.398948	-1265.336962	-1269.31218	-1266.497656	-1266.423947
ATP5I	ω=0.0162 -401.204269	1.0	16.6	ω=0.0940 -422.164384	ωb=0.0072,ω0=0.1174 -411.657491	ω=0.1081 -423.873319	-407.04821	-407.04821	-407.04821	-407.04821	-405.034587	-405.034622	-404.983982
ATP5L	ω=0.7226 -881.354936	2.1	1.1	ω=0.2526 -895.857895	ωb=0.4950,ω0=0.2458 -887.543376	ω=0.2453 -887.666395	-1023.516942	-1023.575689	-1023.792995	-1023.792995	-1023.255082	-1022.094156	-1023.22009
ATP5O	ω=0.0001 -2412.454467	0.0	5.6	ω=0.1281 -2472.539406	ωb=0.0446,ω0=0.1275 -2424.697350	ω=0.1244 -2425.906255	-2410.162462	-2410.162462	-2410.162462	-2410.162462	-2399.895617	-2399.89563	-2399.872053

ATP6V1A	ω=0.0395 -4078.297522	1.0	10.1	ω=0.0196 -4136.302013	ωb=0.0429,ω0=0.0189 -4097.544849	ω=0.0185 -4101.560082	-4094.574632	-4094.574621	-4094.95205	-4094.95205	-4093.369209	-4093.369325	-4093.355336
ATP6V1C1	ω=0.0001 -928.930215	0.0	4.2	ω=0.0332 -962.544651	ωb=0.0001,ω0=0.0334 -940.406286	ω=0.0338 -945.556435	-939.24046	-939.24046	-939.24046	-938.821597	-939.953972	-938.866691	-939.276667
ATP6V1D	ω=0.0001 -1157.398775	0.0	2.1	ω=0.0089 -1172.438353	ωb=0.0001,ω0=0.0089 -1162.733576	ω=0.0087 -1164.350456	-1162.777918	-1162.777918	-1162.77801	-1162.777918	-1162.801734	-1162.801825	-1162.80073
ATP6V1E1	ω=0.0001 -1034.205448	0.0	3.5	ω=0.0467 -1058.647189	ωb=0.0001,ω0=0.0466 -1044.143256	ω=0.0468 -1048.104503	-1037.91107	-1037.91107	-1037.91107	-1037.91107	-1036.325221	-1036.325225	-1036.32008
ATP6V1E2	ω=0.2612 -1658.658498	11.5	17.3	ω=0.2845 -1707.335045	ωb=0.2697,ω0=0.2733 -1670.683737	ω=0.2714 -1675.278434	-1649.451841	-1649.451841	-1649.59628	-1649.59628	-1649.58115	-1649.438382	-1649.439274
ATP6V1F	ω=0.5473 -865.218484	0.0	0.0	ω=0.0360 -891.580865	ωb=0.5389,ω0=0.0353 -883.981830	ω=0.0352 -883.904274	-883.98183	-883.98183	-883.90322	-883.903165	-882.68159	-882.681687	-882.65755
ATP6V1G1	ω=0.0001 -669.958075	0.0	1.1	ω=0.1223 -684.208911	ωb=0.4946,ω0=0.1194 -681.064433	ω=0.1194 -681.064433	-671.073151	-671.073159	-671.073151	-671.073151	-671.138345	-670.87351	-670.927198
ATP6V1G2	ω=0.0672 -819.692125	1.0	4.8	ω=0.0297 -843.354557	ωb=0.0769,ω0=0.0284 -826.950376	ω=0.0271 -827.780194	-826.867391	-826.928528	-827.200791	-827.20074	-827.01214	-827.012223	-827.0098
ATP6V1H	ω=0.3991 -1995.354690	0.0	0.0	ω=0.0378 -2066.406662	ωb=0.3994,ω0=0.0363 -2020.946869	ω=0.0363 -2020.946868	-2017.391675	-2017.391675	-2017.391675	-2017.391675	-2018.892628	-2017.48847	-2017.483186
ATP6VOB	ω=0.0001 -1111.765995	0.0	7.6	ω=0.0092 -1133.616661	ωb=0.0001,ω0=0.0094 -1120.691593	ω=0.0094 -1129.238335	-1118.617026	-1118.617026	-1118.617026	-1118.617026	-1118.87104	-1118.622356	-1118.622063
ATP6VOC	ω=999.000 -1254.46761	1.0	0.0	ω=0.0557 -1293.900345	ωb=999,ω0=0.0505 -1278.503405	ω=0.0506 -1278.522749	-1277.002786	-1277.023977	-1277.775066	-1277.77507	-1277.625774	-1277.625787	-1277.786408
ATP6VOD1	ω=0.0001 -1982.700484	0.0	11.7	ω=0.0629 -2217.157513	ωb=0.0001,ω0=0.0174 -2018.418621	ω=0.0165 -2028.423855	-2017.528513	-2017.528504	-2017.528504	-2017.528505	-2010.744888	-2010.745069	-2010.764624
ATP6VOE1	ω=0.0001 -520.427937	0.0	0.0	ω=0.0670 -534.147098	ωb=999,ω0=0.0601 -527.644241	ω=0.0604 -527.760043	-524.383726	-524.383726	-524.383726	-524.383726	-523.303637	-523.30364	-523.090587

COX10	ω=999.00 -3221.05714	4.4	0.0	ω=0.1365 -3281.053836	ωb=999,ω0=0.1256 -3232.648006	ω=0.1261 -3233.140133	-3193.870008	-3194.049462	-3194.948898	-3194.948898	-3186.879684	-3186.879691	-3186.825394
COX11	ω=0.6664 -1304.258410	1.0	0.6	ω=0.1131 -1329.581634	ωb=0.8187,ω0=0.1086 -1324.065253	ω=0.1085 -1324.067684	-1316.335625	-1316.335625	-1317.279618	-1317.279618	-1316.893938	-1316.893942	-1316.89077
COX15	ω=0.1069 -3038.439740	2.4	10.3	ω=0.1743 -3138.630305	ωb=0.0917,ω0=0.1721 -3071.868968	ω=0.1681 -3076.510101	-3058.591021	-3058.591021	-3058.591021	-3058.591021	-3054.900351	-3054.90036	-3054.855779
Cox4I1	ω=0.0870 -1899.706444	4.4	3.8	ω=0.1130 -1930.613274	ωb=0.3476,ω0=0.1080 -1921.517156	ω=0.1077 -1921.821913	-1887.458059	-1890.1909	-1890.922571	-1890.922571	-1894.453942	-1890.632707	-1890.633122
COX4I2	ω=0.0346 -753.545771	2.1	15.1	ω=0.1148 -771.910139	ωb=0.0347,ω0=0.1328 -764.279271	ω=0.1211 -776.377419	-759.917513	-759.917513	-759.917513	-758.980607	-759.024274	-757.022583	-758.424084
COX5A	ω=0.0001 -1075.119847	0.0	3.2	ω=0.2048 -1096.360070	ωb=0.0001,ω0=0.2081 -1087.929325	ω=0.2038 -1089.945255	-1067.611623	-1067.611623	-1067.611623	-1067.540625	-1067.694701	-1067.572464	-1067.611622
COX5B	ω=1.5339 -1272.51926	5.6	1.4	ω=0.2359 -1303.592108	ωb=1.276,ω0=0.2203 -1287.564345	ω=0.2205 -1287.591878	-1282.022444	-1282.134394	-1282.699299	-1282.699299	-1280.435194	-1280.435197	-1280.418176
COX6A1	ω=0.3047 -740.289171	2.1	1.6	ω=0.1386 -756.966268	ωb=0.2623,ω0=0.1346 -746.441600	ω=0.1333 -746.853112	-735.114417	-735.114417	-735.114417	-735.114417	-732.185597	-732.185599	-732.167699
COX6B1	ω=0.0001 -511.424559	0.0	0.0	ω=0.0833 -531.363007	ωb=0.0636,ω0=0.1029 -997.226115	ω=0.0940 -1009.712062	-513.795341	-513.795341	-513.795341	-513.795341	-515.43907	-513.850811	-513.849099
COX6C	ω=22.3023 -614.449711	1.6	0.0	ω=0.2630 -636.812882	ωb=0.4980,ω0=0.2488 -626.574533	ω=0.2476 -626.670124	-611.608597	-611.671013	-612.059664	-610.201334	-613.204881	-609.340051	-611.824122
COX7A1	ω=0.0641 -508.121066	3.2	9.9	ω=0.1255 -521.220846	ωb=0.0648,ω0=0.1334 -511.995970	ω=0.1326 -519.682466	-501.823262	-501.823262	-501.902291	-501.516997	-504.268122	-500.963994	-501.568694
COX7A2	ω=0.3176 -614.564536	1.0	1.1	ω=0.2327 -647.019142	ωb=0.0001,ω0=0.2339 -628.312543	ω=0.2334 -629.601167	-616.222944	-616.222944	-616.222944	-615.732531	-618.220646	-615.713508	-616.233916
COX7B	ω=0.4409 -612.678089	0.0	0.0	ω=0.5355 -636.150767	ωb=0.4302,ω0=0.5318 -625.456411	ω=0.5318 -625.456411	-618.597673	-618.597673	-618.597673	-618.558206	-618.662053	-618.560224	-618.598813

COX8A	ω=0.2364 -624.874180	2.0	2.7	ω=0.2238 -645.511463	ωb=0.1432,ω0=0.2263 -640.607920	ω=0.2168 -641.367079	-639.11546	-639.11546	-639.11546	-639.11546	-638.572756	-638.572759	-638.570188
CYC1	ω=0.0001 -2010.546910	0.0	5.5	ω=0.0476 -2045.070680	ωb=0.0001,ω0=0.0484 -2032.807538	ω=0.0465 -2035.228871	-2032.962459	-2032.962458	-2032.962458	-2032.962458	-2028.33194	-2028.332124	-2028.281839
LHPP	ω=0.0375 -2168.007207	1.0	8.6	ω=0.1311 -2199.686176	ωb=0.0398,ω0=0.1312 -2185.123176	ω=0.1255 -2186.065325	-2167.706385	-2167.706385	-2167.370022	-2167.370021	-2157.142835	-2157.142894	-2157.03765
NDUFA1	ω=999.00 -526.698458	3.7	0.0	ω=0.2671 -553.180716	ωb=999,ω0=0.2407 -540.655179	ω=0.2404 -541.548065	-525.604581	-525.604581	-525.604581	-522.357226	-526.856299	-522.096105	-525.592574
NDUFA13	ω=0.3624 -1129.863256	0.0	0.0	ω=0.0622 -1156.552388	ωb=0.6583,ω0=0.0607 -1142.941905	ω=0.0607 -1142.941905	-1142.939934	-1142.939934	-1142.939963	-1142.939934	-1135.847111	-1135.847179	-1135.824467
NDUFA2	ω=0.0001 -503.358278	0.0	0.0	ω=0.0451 -530.565768	ωb=0.4026,ω0=0.0431 -514.678274	ω=0.0431 -514.678274	-514.678274	-514.678274	-514.678306	-514.678274	-513.286394	-513.28643	-513.261173
NDUFA3	ω=999.00 -853.058757	2.4	0.0	ω=0.2858 -877.417881	ωb=999,ω0=0.2814 -864.716721	ω=0.2816 -865.169809	-836.479837	-836.728019	-837.808416	-836.853584	-840.990151	-837.283829	-837.829445
NDUFA4	ω=0.0001 -559.852189	0.0	0.8	ω=0.1301 -578.883359	ωb=0.0001,ω0=0.1240 -573.363854	ω=0.1222 -573.433981	-564.728415	-564.728415	-564.70613	-564.595668	-565.321087	-564.217252	-564.709668
NDUFA6	ω=999 -1129.35364	1.3	0.0	ω=0.1569 -1147.881511	ωb=999,ω0=0.1513 -1137.197351	ω=0.1518 -1137.367847	-1117.610348	-1117.733357	-1119.332547	-1119.332547	-1117.551128	-1117.262394	-1117.369625
NDUFA7	ω=0.1893 -868.887042	4.1	7.7	ω=0.1843 -889.630868	ωb=0.2091,ω0=0.1748 -880.019560	ω=0.1699 -882.410589	-871.272382	-871.272382	-871.366216	-871.130104	-872.229191	-870.668053	-871.227252
NDUFA8	ω=0.0001 -1690.904782	0.0	6.3	ω=0.0865 -1721.021687	ωb=0.6184,ω0=0.0834 -1706.601985	ω=0.0834 -1706.601986	-1693.43295	-1693.43295	-1693.43295	-1693.43295	-1687.603923	-1687.60405	-1687.580349
NDUFB10	ω=0.6603 -1308.511180	0.0	0.0	ω=0.0962 -1337.864598	ωb=0.2883,ω0=0.0949 -1325.092193	ω=0.0949 -1325.092193	-1307.928151	-1307.928151	-1307.928151	-1307.928151	-1298.592542	-1298.592565	-1298.497371
NDUFB11	ω=0.4110 -1739.100248	5.2	4.6	ω=0.2974 -1785.099760	ωb=0.3689,ω0=0.2884 -1751.559006	ω=0.2877 -1752.488910	-1714.446999	-1714.446999	-1714.446999	-1713.698306	-1713.779542	-1711.907453	-1713.17168

NDUFB2	ω=0.2837 -1061.709979	4.9	7.3	ω=0.3390 -1078.430570	ωb=0.3125,ω0=0.3392 -1071.067172	ω=0.3344 -1072.452142	-1062.905537	-1062.905537	-1062.905537	-1062.905537	-1061.834124	-1061.834161	-1061.833788
NDUFB3	ω=0.3375 -632.677144	0.0	0.0	ω=0.2455 -673.078372	ωb=0.4050,ω0=0.2384 -653.593233	ω=0.2384 -653.593233	-638.246645	-638.246645	-638.246645	-637.149404	-638.522196	-636.691675	-638.083902
NDUFB4	ω=0.1294 -1317.613619	7.6	22.6	ω=0.3251 -1337.285652	ωb=0.1382,ω0=0.3623 -1328.740488	ω=0.3577 -1338.890146	-1312.941297	-1312.941299	-1312.941297	-1311.643692	-1316.129845	-1311.651461	-1312.989997
NDUFB5	ω=0.3865 -1913.587668	0.0	0.0	ω=0.2421 -1963.585960	ωb=0.3642,ω0=0.2381 -1945.477381	ω=0.2381 -1945.477381	-1905.940792	-1905.940792	-1905.940792	-1905.940792	-1905.376211	-1903.850798	-1904.721284
NDUFB7	ω=0.4870 -892.499256	0.0	0.0	ω=0.0441 -925.143630	ωb=0.0001,ω0=0.0440 -911.796650	ω=0.0438 -911.812386	-909.758921	-909.758921	-909.758921	-909.758921	-906.059699	-906.059784	-906.052475
NDUFB8	ω=0.1359 -1325.483196	0.6	1.3	ω=0.1233 -1345.898353	ωb=0.1947,ω0=0.1231 -1339.271263	ω=0.1222 -1339.496969	-1306.743272	-1306.743272	-1306.743272	-1306.541943	-1304.657075	-1303.137001	-1303.957633
NDUFB9	ω=999.00 -1616.37466	1.0	0.0	ω=0.1191 -1642.918158	ωb=999,ω0=0.1166 -1629.666121	ω=0.1168 -1629.815660	-1595.436322	-1595.436322	-1595.436322	-1588.185551	-1602.009332	-1591.186902	-1595.423291
NDUFC2	ω=0.4836 -1067.400341	0.0	0.0	ω=0.3618 -1096.237624	ωb=0.3928,ω0=0.3652 -1087.995524	ω=0.3652 -1087.995524	-1060.821404	-1060.821404	-1060.821404	-1058.341447	-1061.426243	-1058.634859	-1060.636522
NDUFS1	ω=0.3416 -5975.929591	0.0	0.0	ω=0.0870 -6086.559140	ωb=2.0599,ω0=0.0859 -6029.535774	ω=0.0859 -6029.535774	-5976.175025	-5976.175025	-5976.175024	-5976.175024	-5972.95989	-5971.944495	-5972.152621
NDUFS2	ω=0.0213 -2721.611708	1.0	16.8	ω=0.0362 -2775.016912	ωb=0.0212,ω0=0.0361 -2741.482457	ω=0.0339 -2747.002188	-2725.978064	-2725.978064	-2725.978064	-2725.978064	-2723.588543	-2723.588607	-2723.818723
NDUFS3	ω=0.2000 -1993.349074	0.0	0.0	ω=0.0929 -2020.181592	ωb=0.3994,ω0=0.0911 -2002.934384	ω=0.0911 -2002.934385	-1990.054683	-1990.054683	-1990.053826	-1990.053826	-1986.224788	-1986.224794	-1986.197712
NDUFS4	ω=999.00 -726.559124	1.0	0.0	ω=0.0560 -781.766593	ωb=999,ω0=0.0493 -738.616385	ω=0.0493 -738.879556	-738.616385	-738.879556	-740.009182	-740.009182	-740.055484	-740.055558	-740.062954
NDUFS5	ω=0.1140 -852.376684	1.1	3.1	ω=0.1922 -883.513163	ωb=0.1578,ω0=0.1912 -861.737498	ω=0.1853 -862.189272	-821.369143	-821.369143	-821.369143	-814.339886	-820.921345	-813.886418	-820.297493

DUFS6	ω=0.0001 -1461.404319	0.0	6.6	ω=0.1644 -1511.369103	ωb=0.0001,ω0=0.1623 -1481.380137	ω=0.1541 -1483.309811	-1478.674141	-1478.67414	-1478.67414	-1478.67414	-1469.490999	-1469.491086	-1469.423515
NDUFS8	ω=0.0001 -1459.057336	0.0	32.6	ω= 0.0240 -1484.067291	ωb=0.0001,ω0=0.0270 -1470.883299	ω=0.0206 -1492.386360	-1459.259982	-1459.259982	-1459.259982	-1459.259988	-1454.470152	-1454.318661	-1454.356785
NDUFV1	ω=0.0001 -3013.399397	0.0	9.9	ω=0.0743 -3157.714490	ωb=0.0001,ω0=0.0706 -3077.622422	ω=0.0683 -3085.949245	-3078.629497	-3078.629497	-3078.629576	-3078.629497	-3065.460871	-3065.461137	-3065.247306
NDUFV2	ω=0.0001 -1616.263735	0.0	0.0	ω=0.0474 -1657.258686	ωb=0.4024,ω0=0.0464 -1627.899934	ω=0.0464 -1627.899934	-1627.899934	-1627.899934	-1627.899937	-1627.899934	-1625.909118	-1625.909188	-1625.884287
PPA1	ω=0.0001 -2369.836126	0.0	1.0	ω=0.0698 -2407.674691	ωb=0.0001,ω0=0.0694 -2385.107040	ω=0.0692 -2385.170985	-2357.590085	-2357.590084	-2357.582404	-2357.434186	-2364.758676	-2357.351094	-2357.563541
PPA2	ω=0.0927 -1779.888175	0.9	3.0	ω=0.2033 -1818.580412	ωb=0.1300,ω0=0.2065 -1792.969886	ω=0.2040 -1793.998577	-1762.107184	-1762.107184	-1762.407259	-1761.79403	-1764.212304	-1762.696463	-1762.438566
SDHA	ω=0.0464 -5967.225649	2.2	17.6	ω=0.0403 -6069.620750	ωb=0.0457,ω0=0.0377 -5985.904717	ω=0.0369 -5990.349756	-5934.454812	-5934.454812	-5934.454811	-5934.454811	-5912.728146	-5912.728608	-5912.723359
SDHC	ω=0.0535 -1383.429152	2.1	16.0	ω=0.2713 -1415.882026	ωb=0.0542,ω0=0.3004 -1387.761802	ω=0.3003 -1399.886707	-1372.58383	-1372.58383	-1372.58383	-1371.962763	-1372.849593	-1371.495363	-1372.525818
SDHD	ω=999.00 -1463.75947	6.6	0.0	ω=0.2771 -1488.366419	ωb=999,ω0=0.2576 -1477.440199	ω=0.2592 -1478.925918	-1463.334735	-1464.611565	-1465.287134	-1465.287134	-1464.900899	-1464.639599	-1464.810799
UQCRB	ω=0.3055 -914.452254	1.0	0.9	ω=0.1213 -945.591233	ωb=0.2101,ω0=0.1175 -930.961599	ω=0.1162 -931.290275	-920.984902	-920.984902	-921.28948	-921.28948	-921.517925	-919.065936	-919.992134
UQCRC2	ω=0.0942 -3495.715877	19.3	82.1	ω=0.1468 -3560.945293	ωb=0.1014,ω0=0.1564 -3514.390029	ω=0.1482 -3549.294862	-3494.855571	-3494.855571	-3494.855571	-3494.855571	-3491.977113	-3491.659476	-3491.654862
UQCRH	ω=999.00 -775.707529	1.0	0.0	ω=0.1543 -804.131757	ωb=999,ω0=0.1429 -791.084270	ω=0.1432 -791.228696	-781.347667	-781.347667	-781.347667	-781.347667	-781.837538	-781.350948	-781.350812
UQCRQ	ω=999.00 -725.028334	5.1	0.0	ω=0.2782 -746.059816	ωb=999,ω0=0.2516 -738.350959	ω=0.2548 -738.688474	-726.207184	-726.260445	-727.01973	-727.01973	-726.814491	-726.814491	-726.554513