

Table 3.

Autosomal Genes												
A Array					B qPCR					C Array		
Alr	Human		Mouse		Alr	Human		Mouse		Alr	Human	
Gene Symbol	BA	LA	BLA	LA	Gene Symbol	BA	LA	BLA	LA	Gene Symbol	BA9	BA47 ACC
NADH dehydrogenase					NADH dehydrogenase					NADH dehydrogenase		
NDUFA2			-0.31 [#]		NDUFA2			-0.23 ^(NS)		NDUFAB1	-0.50 ^{**}	
NDUFA8				-0.44 [*]	NDUFA12	-0.28 [*]				succinate dehydrogenase		
NDUFA12	-0.43 [*]				NDUFB2				-0.63 ^{**}	SDHALP1		-0.37 [*]
NDUFB2	-0.39 [*]			-0.32 ^{**}	NDUFB6	-0.38 [*]				SDHD	-0.5 [*]	
NDUFB3	-0.48 [*]				NDUFS4	-0.47 ^{***}				ubiquinol-cytochrome c reductase		
NDUFB6	-0.52 [*]				NDUFAB1	-0.45 ^{**}				UQCRCF1	-0.51 ^{**}	
NDUFC2			-0.46 [*]		ubiquinol-cytochrome c reductase					UQCRC2	-0.40 [*]	
NDUFS3			-0.46 ^{**}		UQCRCF1	-0.36 [*]	-0.21 [*]	-0.21 ^{**}		ATP synthase		
NDUFS4	-0.53 [*]				cytochrome c oxidase					ATP5A1	-0.37 ^{***}	
NDUFS7	0.39 [*]				COX7C	-0.56 ^{***}				ATP5G3	-0.45 [*]	
NDUFAB1	-0.41 ^{**}				ATP synthase					ATP5L	-0.37 ^{**}	
succinate dehydrogenase					ATP5A1	-0.28 [*]				ATP6V0A1	-0.68 [*]	
SDHA	-0.37 [*]				ATP5J				-0.43 [#]	ATP6V0E1		-0.36 [*]
SDHB			-0.30 [#]		ATP6V0D1		-0.03 ^(NS)			ATP6V1A	-0.83 ^{**}	
ubiquinol-cytochrome c reductase					Clock genes					ATP6V1B2	-0.43 ^{**}	
UQCRCF1	-0.51 [*]	-0.32 [#]	-0.41 ^{**}		PER2	0.38 [*]			0.92 [*]	ATP6V1C1	-1.15 ^{***}	
UQCRC2	-0.41 [*]				CLOCK		0.09 ^(NS)		1.02 [#]	ATP6V1D	-0.39 ^{**}	
UQCRH	-0.53 [*]		-0.42 [#]		CRY1	-0.23 [#]				Sirtuin		
cytochrome c oxidase					Note: h= human; m= mouse							
COX5B			-0.31 [*]		↑: higher expressed in females							
COX7B	-0.30 [*]				↓: lower expressed in females							
COX7C	-0.39 [*]				Alr = average log ratio (F/M); * p<0.05; **p<0.01; ***p<0.001; # 0.05<p<0.1(trend)							
COX8A	-0.28 [*]				NS =Not Significant; bold-typed: gene validated by qPCR							
COX11			-0.35 [*]									
COX17	-0.35 [*]											
ATP synthase												
ATP5A1	-0.46 [*]											
ATP5B	-0.28 [*]											
ATP5E	-0.41 [#]											
ATP5H	-0.27											
ATP5J	-0.43 [*]			-0.29 [*]								
ATP5O	-0.40 [#]			-0.34 [#]								
ATP5S1			-0.46 [*]									
ATP1A2	-0.40 [*]											
ATP6V0A1			-0.46 [#]									
ATP6V0B			-0.47 [#]									
ATP6V0C	-0.52 [*]											
ATP6V0D1	-0.41 ^{**}	-0.32 [*]										
ATP6V1G1			-0.36 [*]									
ATP6V1H	-0.52 [#]											
Sirtuin												
SIRT3			-0.46 [*]									
SIRT5	-0.22 [*]											
Clock genes												
PER2	0.44 [*]			0.42 [*]								
CLOCK		0.27 [#]		0.33 [*]								
CRY1	-0.29 [*]											
CSNK1E	0.38 [*]											

D Array-QPCR correlation

$r = 0.86$
 $p = 2.5E-06$

E

