

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				1.02 [#]	ATP6V1D	-0.39**			
UQCRH	-0.53*			-0.42 [#]	CRY1	-0.23 [#]				Sirtuin				
cytochrome c oxidase					Note: h= human; m= mouse					SIRT3	-0.19***			
COX5B				-0.31*	↑: higher expressed in females					SIRT4			-0.12*	0.17**
COX7B	-0.30*				↓: lower expressed in females					SIRT5				-0.10***
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				0.33*										
CRY1	-0.29*													
CSNK1E	0.38*													

