

Transcriptional Analysis			Proteotype Analysis		
Mitochondrial Functions					
Gene	Log2FC (ZT4 Vs. ZT16)	Adj <i>p</i> -value	Protein	Log2FC (ZT6 Vs. ZT18)	Adj <i>p</i> -value
<i>Ndufa10</i>	0	ns	Q99LC3	0.42	0.037
<i>Ndufa4</i>	0.45	8.49E-05	Q62425	-0.36	0.043
<i>Ndufs1</i>	0.00	ns	Q91VD9	-0.36	0.024
<i>Ndufb6</i>	0.56	6.59E-06	Q3UIU2	-0.73	0.037
<i>Dnm1l</i>	0	ns	Q8K1M6	-0.84	0.031
<i>Mff</i>	0	ns	Q6PCP5	-0.92	0.035
Glycolysis					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Slc2a1</i>	2.77	6.97E-10	P17809	-1.89	0.034
<i>Eno1</i>	0.26	4.72E-04	P17182	-1.04	0.030
<i>Pgk1</i>	0.63	5.60E-12	P09411	-0.90	0.036
<i>Pgam1</i>	0.32	2.25E-03	Q9DBJ1	-0.60	0.039
<i>Ldha</i>	0.13	ns	P06151	-0.35	0.047
<i>HK2</i>	-0.43	2.48E-13	O08528	-0.21	ns
Lipid Metabolism					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Acot2</i>	0.51	4.60E-04	Q9QYR9	-2.20	0.048
<i>Acot7</i>	0.21	ns	Q91V12	-1.35	0.037
<i>Acad8</i>	0.61	1.46E-19	Q9D7B6	-1.00	<b>0.084</b>
<i>Acadl</i>	0.14	ns	P51174	-0.58	0.037
<i>Acadm</i>	0.00	ns	P45952	-0.38	0.037
Microglia/Macrophage activation/Integrin signalling					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>C1qa</i>	-0.39	1.15E-04	P98086	-0.38	0.046
<i>C1qc</i>	-0.34	1.42E-03	Q02105	-0.41	0.021
<i>Itgb1</i>	-0.21	4.48E-03	P09055	-1.02	0.029
<i>Ilk</i>	-0.17	2.00E-03	O55222	-0.75	0.044
<i>Entpd1</i>	-0.76	7.16E-21	P55772	-0.83	0.045
<i>P2ry12</i>	-0.40	1.69E-04	Q9CPV9	-0.27	0.031
<i>Bin1</i>	-0.13	1.57E-02	O08539	-0.51	0.021
<i>Glul</i>	-0.33	3.66E-04	P15105	-0.95	0.042
<i>Ptgs1</i>	-0.14	4.83E-02	P22437	-0.32	0.037
<i>Hpgds</i>	0	ns	Q9JHF7	-0.45	0.047
<i>Mapk1</i>	-0.11	4.19E-02	P63085	-0.35	0.039
<i>Cd81</i>	-0.25	5.05E-03	P35762	-1.28	0.037
<i>S100a13</i>	0	ns	P97352	-0.22	0.042
<i>Gmfb</i>	0	ns	Q9CQI3	-0.51	0.037
<i>Hspa12a</i>	0.64	8.64E-05	Q8K0U4	-1.31	0.022
Motility/Phagocytosis/Lysosomal Functions					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Cd68</i>	-0.06	ns	P31996	-0.22	0.042
<i>Cct5</i>	-0.45	6.92E-10	P80316	-0.42	0.043
<i>Cdc42</i>	-0.28	9.91E-04	P60766	-1.18	0.049
<i>Dock10</i>	-0.46	1.19E-08	Q8BZN6	0.99	0.024
<i>Myo1c</i>	0.00	ns	Q9WTI7	-1.06	0.049
<i>Myh14</i>	0.90	3.87E-04	Q6URW6	-0.70	0.046
<i>Myh10</i>	0.28	ns	Q61879	-1.68	0.029
<i>Cfl2</i>	-0.01	ns	P45591	-1.12	0.026
<i>Pfn2</i>	0.72	7.85E-05	Q9JJV2	-1.32	0.032
<i>Pxn</i>	-0.10	3.80E-02	Q8VI36	-1.39	0.045
<i>Coro2b</i>	0.49	6.43E-03	Q8BH44	-1.50	0.025
<i>Cav1</i>	0.36	ns	P49817	-1.12	0.040
<i>Atp6v1b2</i>	0.00	ns	P62814	-0.76	0.046
<i>Atp6ap1</i>	-0.25	2.28E-03	Q9R1Q9	0.58	0.049
<i>Atp6v1h</i>	0	ns	Q8BVE3	-0.75	0.039
<i>Atp6v1a</i>	0.29	4.84E-04	P50516	-0.98	0.043
<i>Atp6v1e1</i>	0	ns	P50518	-0.98	0.043
<i>Rab14</i>	-0.21	2.90E-04	Q91V41	-0.60	0.032
<i>Rab1A</i>	-0.24	6.52E-04	P62821	-0.74	0.043
Chromatin Remodelling Complexes (NuRD and SWI/SNF)					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Smarca5</i>	-0.10	<b>0.079</b>	Q91ZW3	0.75	0.028
<i>Smarca1</i>	0.09	ns	Q61466	0.74	0.029
<i>Smarca4</i>	0.07	ns	Q9Z0H3	0.65	0.037
<i>Arid2</i>	-0.27	3.57E-08	E9Q7E2	0.51	0.031
<i>Mta2</i>	-0.12	0.007	Q9R190	0.28	0.050
Epigenetic Readers/Chromatin Remodeling Complex Recruiters					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Chd2</i>	-0.04	ns	E9PZM4	1.27	0.046
<i>Brd4</i>	-0.14	0.01	Q9ESU6	1.27	0.027
<i>Cbx5</i>	0.36	4.53E-05	Q61686	0.95	0.020
<i>Cbx8</i>	-0.02	ns	Q9QXV1	0.57	0.029
<i>Mbd1</i>	-0.04	ns	Q9Z2E2	0.88	0.034
Epigenetic Writers (DNA-methyltransferase/Histone demethylase)					
Gene	Log2FC (1 a.m. Vs. 1 p.m.)	Adj <i>p</i> -value	Protein	Log2FC (3 a.m. Vs. 3 p.m.)	Adj <i>p</i> -value
<i>Mecp2</i>	-0.03	ns	Q9Z2D6	0.75	0.026
<i>Kdm5b</i>	-0.06	ns	Q80Y84	0.80	0.037