

Supplementary Table 5: Modulated pathways highlighted by the DAVID annotation tool. Acutely exposed cells vs. unexposed cells

Annotation Cluster 1 Category	Enrichment Score: 1.7146975691888224 Term	Count	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	FDR
GOTERM_CC_DIRECT	GO:0005654~nucleoplasm	8	0.006799722687804253	Q6P3D0, O88544, Q3U1J4, Q80UW8, P45376, Q9CXW3, Q9ERF3, P62137	25	1935	19662	3.251596899224806	6.892332883443131
UP_KEYWORDS	Nucleus	11	0.01253945622637741	Q6P3D0, O88544, Q9CQ65, Q3U1J4, Q80UW8, Q3UM45, Q9CXW3, Q9CQ02, Q9ERF3, P62137, Q92119	25	4534	22680	2.20097044455227173	12.721998026890835
GOTERM_CC_DIRECT	GO:0005634~nucleus	12	0.084166613559310293	Q6P3D0, O88544, Q9CQ65, Q3U1J4, Q80UW8, Q3UM45, Q8CAY6, Q9CXW3, Q9CQ02, Q9ERF3, P62137, Q92119	25	6019	19662	1.567994683502243	60.157436250650974
Annotation Cluster 2 Category	Enrichment Score: 1.4580122615018147 Term	Count	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	FDR
KEGG_PATHWAY	mmu01100:Metabolic pathways	8	0.009452184854993346	Q64442, P50171, Q9CQ65, Q80UW8, Q8BH04, Q9D6J6, Q8CAY6, P45376	17	1269	7691	2.8520836230473274	9.361152716046405
GOTERM_CC_DIRECT	GO:0005739~mitochondrion	7	0.015149877081849726	Q3SXD3, Q64442, P50171, Q8BH04, Q9D6J6, Q8CAY6, Q99KR3	25	1721	19662	3.1989308541545616	14.767082002558974
UP_KEYWORDS	NAD	3	0.015905040234660734	Q64442, P50171, Q9D6J6	25	183	22680	14.872131147540983	15.876775325899183
UP_KEYWORDS	Mitochondrion	5	0.02374220286237505	Q64442, P50171, Q8BH04, Q9D6J6, Q99KR3	25	1058	22680	4.287334593572779	22.826008321928548
UP_KEYWORDS	Oxidoreductase	4	0.02902280838150458	Q64442, P50171, Q9D6J6, P45376	25	639	22680	5.67887323943662	27.210116796751638
GOTERM_MF_DIRECT	GO:0016491~oxidoreductase activity	4	0.030361985847128646	Q64442, P50171, Q9D6J6, P45376	21	604	17446	5.501734468621885	27.94820232257488
GOTERM_BP_DIRECT	GO:0055114~oxidation-reduction process	4	0.04723335005212425	Q64442, P50171, Q9D6J6, P45376	23	676	18082	4.651916645227682	44.61584272166951
GOTERM_CC_DIRECT	GO:0016020~membrane	6	0.9629116730831628	P54227, P57759, Q64442, P50171, Q9D6J6, O88456	25	6998	19662	0.6743183766790511	99.9999999999989