Supplemental Table 2: Number of Genes with Annotations for Each Database

Mutant	Tissue	Timepoint	Upload List	GO:BP	Pathways	MPO	Disease
Nadk2	Muscle	Early	557	512 (92%)	273 (49%)	461 (83%)	99 (18%)
Nadk2	Muscle	Late	932	737 (79%)	408 (44%)	604 (65%)	135 (15%)
Nadk2	Brain	Early	5	3 (60%)	2 (40%)	2 (40%)	0 (0%)
Nadk2	Brain	Late	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Pla2g6	Muscle	Early	349	325 (93%)	167 (48%)	295 (85%)	63 (18%)
Pla2g6	Muscle	Late	52	49 (94%)	32 (62%)	43 (83%)	12 (23%)
Pla2g6	Brain	Early	14	10 (71%)	7 (50%)	10 (71%)	1 (7%)
Pla2g6	Brain	Late	10	6 (60%)	5 (50%)	5 (50%)	2 (20%)

Supplemental Table 2 – Annotation Statistics for Process and Pathway Enrichment. Differentially expressed genes with FDR < 0.05 and |Log2FC| > 1.5 for each mutant, tissue, and timepoint were uploaded to MouseMine.org, and annotations for each list were retrieved from the Gene Ontology Biological Process (GO:BP), Reactome Pathways (Pathways), Mammalian Phenotype Ontology (MPO), and Disease Ontology (Disease) databases on December 1, 2021. The number of genes with annotations and the percentage of uploaded genes with annotations are reported for each database / tool.