

# **Integrated Multi-Omic data analysis and validation with yeast model show oxidative phosphorylation modulate protein aggregation in Amyotrophic Lateral Sclerosis**

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	<b>TISSUE OF INTEREST</b>	<b>ORGANISM</b>	<b>GEO DATASETS USED (GSE ID)</b>	<b>SAMPLE SIZE</b>
<b>1</b>	<b>CORTEX</b>	<b>Homo sapiens</b>	<b>GSE124439</b>	<b>146 SAMPLES + 16 CONTROLS</b>
<b>2</b>	<b>CEREBELLUM</b>	<b>Homo sapiens</b>	<b>GSE67196</b>	<b>10 SAMPLES + 8 CONTROL</b>
<b>3</b>	<b>MUSCLE</b>	<b>Homo sapiens</b>	<b>GSE41414</b>	<b>7 Samples + 7 Controls</b>

**SUPPLEMENTARY FIGURE-1A: HUMAN EXPERIMENTAL DATASETS USED FOR THE STUDY.**

<b>1</b>	<b>SOD1 BRAIN</b>	<b>Mus musculus</b>	<b>GSE101391</b>	<b>8 SAMPLES + 8 CONTROLS</b>
<b>2</b>	<b>FUS BRAIN</b>	<b>Mus musculus</b>	<b>GSE40652</b>	<b>7 SAMPLES + 11 CONTROLS</b>
<b>3</b>	<b>TDP-43 BRAIN</b>	<b>Mus musculus</b>	<b>GSE111775</b>	<b>3 SAMPLES + 3 CONTROLS</b>

**SUPPLEMENTARY FIGURE-1B: : MOUSE EXPERIMENTAL DATASETS USED FOR THE STUDY.**

**SUPPLEMENTARY FIGURE-1: TABLES REPRESENTING GEO DATASETS AND SAMPLE SIZE USED FOR THE STUDY.**