**Supplementary information**

**DNAJB3 attenuates metabolic stress and promotes glucose uptake by eliciting Glut4 translocation**

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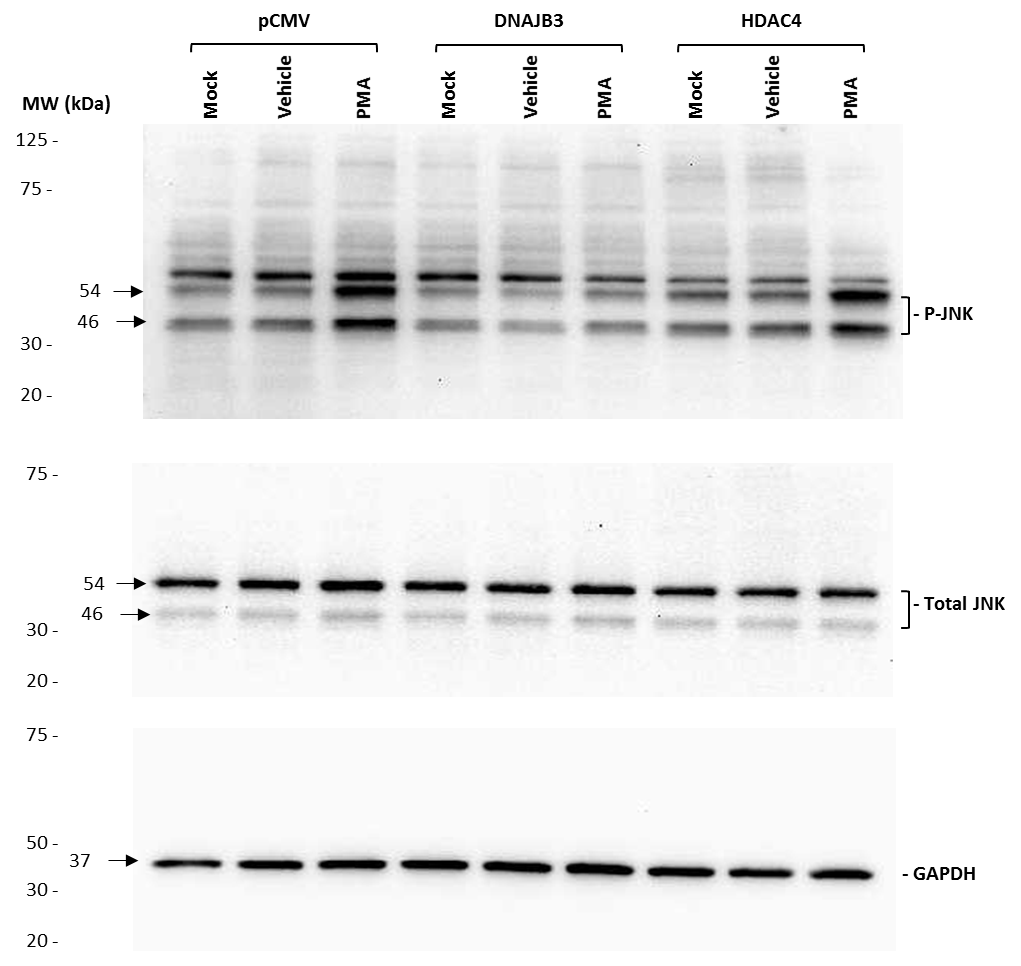
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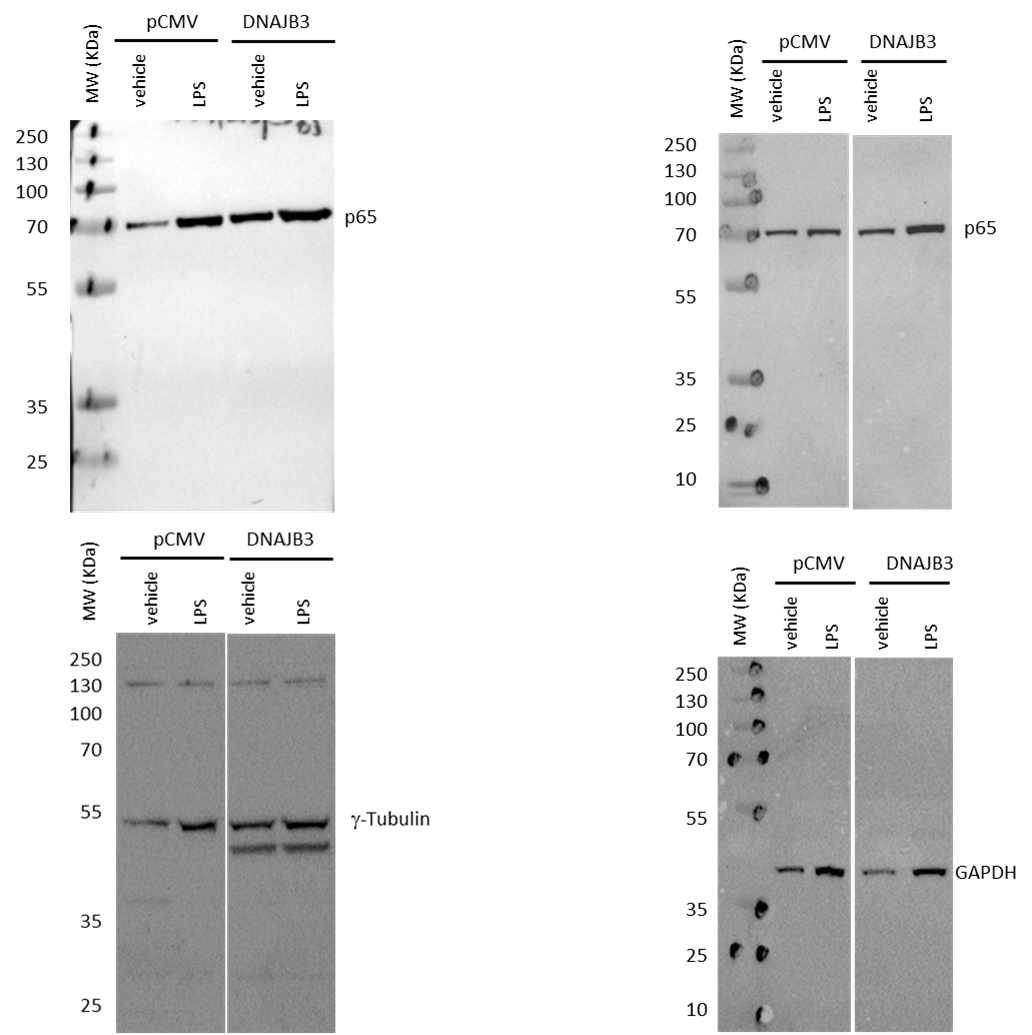
#: These authors contributed equally to this work.

**Supplementary Figure S1**



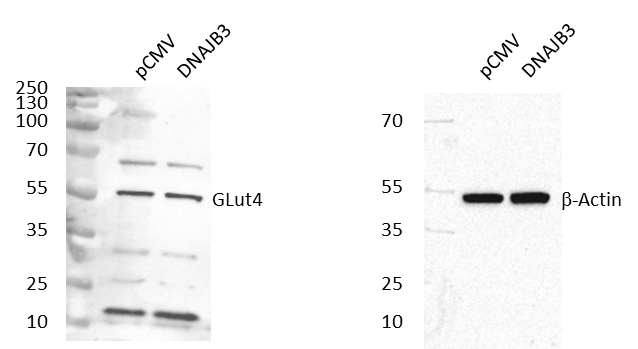
**Supplementary Figure S1:** Transient overexpression of DNAJB3 in HEK-293 cells prevents the phosphorylation of JNK (P-JNK) in response to phorbol myristate acetate (PMA) as compared to pCMV and pCMV-HDAC4. Total JNK and GAPDH were used as internal controls to monitor for protein loading differences. After determining the levels of P-JNK, the same membrane was stripped and probed with antibody against total JNK.

**Supplementary Figure S2**

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**Supplementary Figure S2.** Overexpression of DNAJB3 in C2C12 myoblasts reduces the translocation of p65 NF-κB to the nucleus in response to LPS treatment. γ-Tubulin and GAPDH were used as internal controls for nuclear and cytoplasmic extracts, respectively.

**Supplementary Figure S3**

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**Supplementary Figure S3.** DNAJB3 overexpression has no effect on the endogenous expression of Glut4 in C2C12 cells. β-Actin was used as internal control to correct for loading efficiency.