Supplementary information to:

Letter to the editor:

HDAC11: A NOVEL INFLAMMATORY BIOMARKER IN HUNTINGTON'S DISEASE

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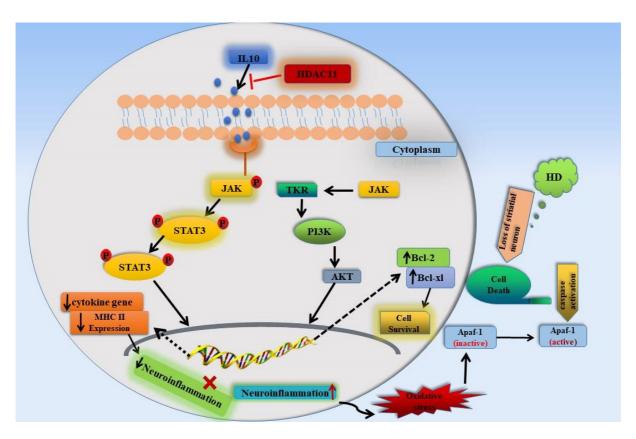
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Supplementary Figure 1: Mechanistic representation of HDAC11 mediated HD pathogenesis. IL-10 acts through the JAK-STAT pathway migrates to the cell nucleus and lowers cytokine levels, resulting in the prevention of inflammation. In addition, IL-10 inhibits apoptosis and acts through the PI3K/AKT pathway to increase production of BcI-2 and BcI-xI by decreasing caspase-3 expression and increasing cell survival. HDAC11 acts on IL-10 and inhibits its anti-inflammatory activity, leading to increased inflammation and ROS production, which can further lead to neuronal cell death via caspase signaling pathway activation.