

# MSigDB\_Hallmark\_2020

TNF-alpha Signaling via NF-kB



UV Response Up



Inflammatory Response



Allograft Rejection



IL-2/STAT5 Signaling



Interferon Gamma Response



Complement



Apoptosis



Hypoxia



Epithelial Mesenchymal Transition



0 3 6 9 12 15 18 21 24

$-\log_{10}(\text{Adjusted P-value})$