

| KEGG pathways | $-\log_{10}(\text{FDR})$ |
|---|--------------------------|
| Insulin signaling pathway | ~2.8 |
| Insulin resistance | ~2.7 |
| Glucagon signaling pathway | ~2.2 |
| FoxO signaling pathway | ~2.1 |
| AMPK signaling pathway | ~2.0 |
| Amphetamine addiction | ~2.0 |
| Adipocytokine signaling pathway | ~2.0 |
| Dopaminergic synapse | ~2.0 |
| TNF signaling pathway | ~2.0 |
| Osteoclast differentiation | ~2.0 |
| Longevity regulating pathway | ~2.0 |
| Pathways in cancer | ~1.8 |
| Non-alcoholic fatty liver disease (NAFLD) | ~1.8 |
| MAPK signaling pathway | ~1.8 |
| PI3K-Akt signaling pathway | ~1.8 |