|  |  |  |  |
| --- | --- | --- | --- |
| **Terms** | **ES** | **NES** | **NOM****-p-val** |
| KEGG SPHINGOLIPID METABOLISMKEGG NOD LIKE RECEPTOR SIGNALING PATHWAYKEGG TYPE I DIABETES MELLITUSKEGG LONG TERM DEPRESSIONKEGG GRAFT VERSUS HOST DISEASEKEGG CELL ADHESION MOLECULES CAMSKEGG ALLOGRAFT REJECTIONKEGG INTESTINAL IMMUNE NETWORK FOR IGA PRODUCTIONKEGG PRION DISEASESKEGG LEISHMANIA INFECTIONKEGG CHEMOKINE SIGNALING PATHWAYKEGG COMPLEMENT AND COAGULATION CASCADESKEGG ALPHA LINOLENIC ACID METABOLISMKEGG SYSTEMIC LUPUS ERYTHEMATOSUSKEGG GNRH SIGNALING PATHWAYKEGG B CELL RECEPTOR SIGNALING PATHWAYKEGG PRIMARY IMMUNODEFICIENCYKEGG FC EPSILON RI SIGNALING PATHWAYKEGG HEMATOPOIETIC CELL LINEAGEKEGG T CELL RECEPTOR SIGNALING PATHWAY | 0.550.720.710.520.750.570.740.720.710.630.470.650.570.550.420.530.720.460.560.47 | 2.22.12.092.082.0121.971.861.851.821.751.731.731.711.671.651.641.631.621.59 | 0.0060.0000.0040.0040.0060.0060.0020.0020.0020.010.0060.0150.02400.010.0140.0250.0180.0410.028 |

**Supplymental Table S2:** Top 20 significant KEGG pathways enriched by DEGs in GSEA.