**Table EV2. Gene set enrichment analysis**

| Common negative enriched gene sets in GSK-treated and Jmjd3$^{\Delta/\Delta}$ L-GMP cells | |
|---|---|
| | **Gene sets** |
| 1 | KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION |
| 2 | KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY |
| 3 | KEGG_CALCIUM_SIGNALING_PATHWAY |
| 4 | KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS |
| 5 | KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION |
| 6 | KEGG_JAK_STAT_SIGNALING_PATHWAY |
| 7 | KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM |
| 8 | KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY |
| 9 | KEGG_REGULATION_OF_ACTIN_CYTOSKELETON |
| 10 | KEGG_FOCAL_ADHESION |
| 11 | KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARVC |
| 12 | KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION |
| 13 | KEGG_LONG_TERM_POTENTIATION |
| 14 | KEGG_MELANOGENESIS |
| 15 | KEGG_AXON_GUIDANCE |
| 16 | KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY |
| 17 | KEGG_ADHERENS_JUNCTION |
| 18 | KEGG_PANCREATIC_CANCER |
| 19 | KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY |
| 20 | KEGG_HEMATOPOIETIC_CELL_LINEAGE |
| 21 | KEGG_LONG_TERM_DEPRESSION |
| 22 | KEGG_ECM_RECEPTOR_INTERACTION |
| 23 | KEGG_TIGHT_JUNCTION |
| 24 | KEGG_NON_SMALL_CELL_LUNG_CANCER |