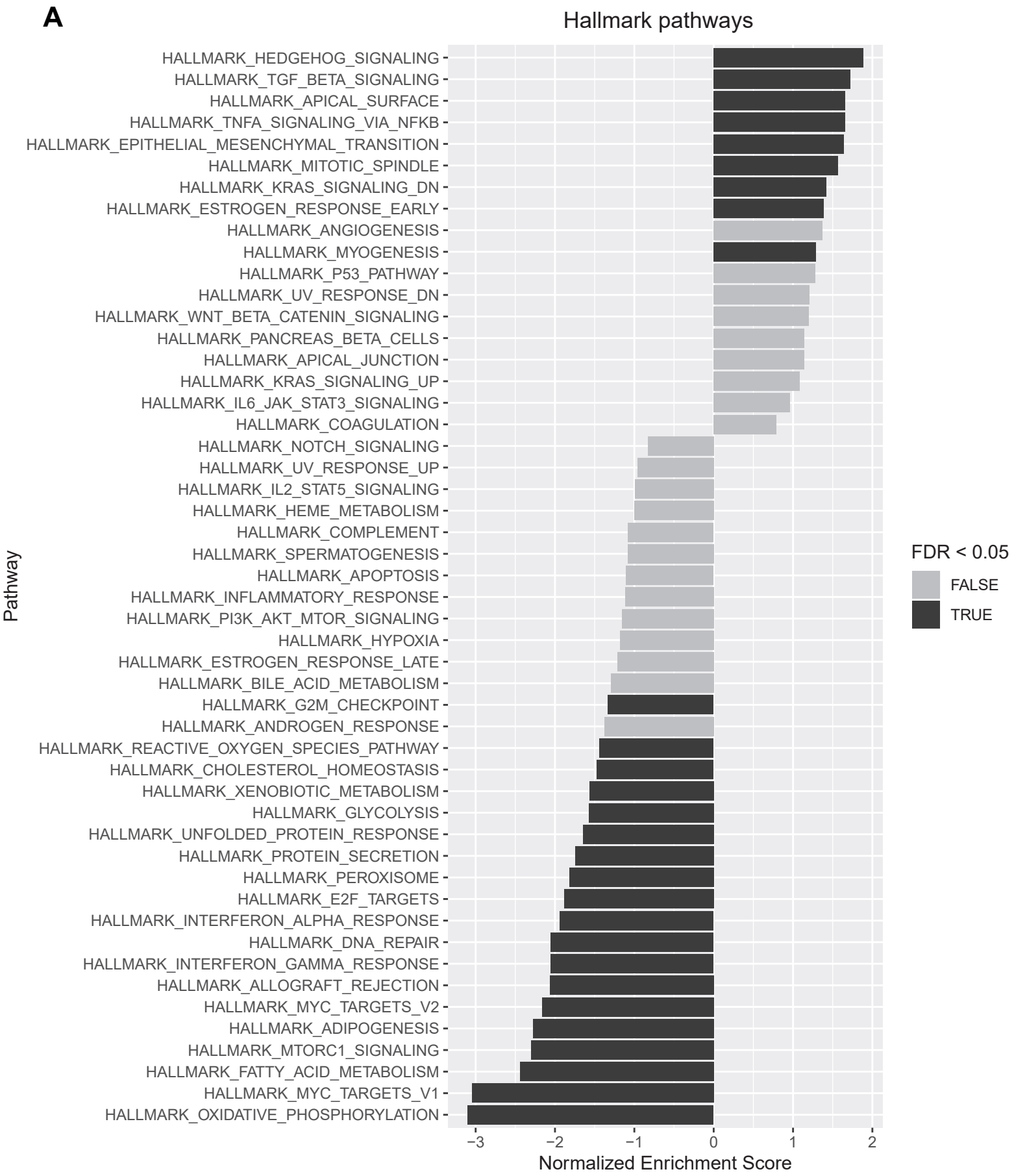
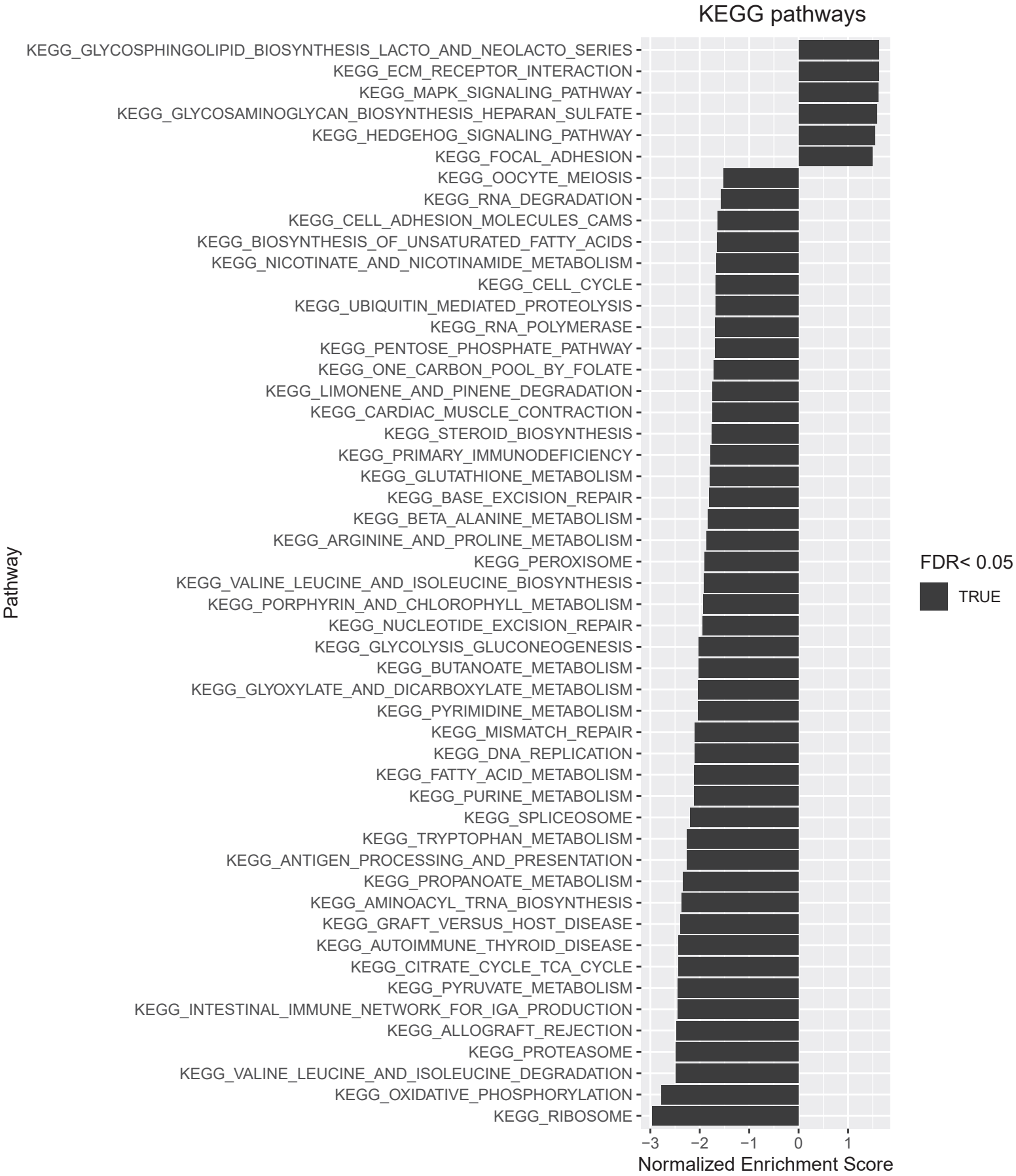

A
Hallmark pathways
HALLMARK_HEDGEHOG_SIGNALING
HALLMARK_TGF_BETA_SIGNALING
HALLMARK_APICAL_SURFACE
HALLMARK_TNFA_SIGNALING_VIA_NFKB
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
HALLMARK_MITOTIC_SPINDLE
HALLMARK_KRAS_SIGNALING_DN
HALLMARK_ESTROGEN_RESPONSE_EARLY
HALLMARK_ANGIOGENESIS
HALLMARK_MYOGENESIS
HALLMARK_P53_PATHWAY
HALLMARK_UV_RESPONSE_DN
HALLMARK_WNT_BETA_CATENIN_SIGNALING
HALLMARK_PANCREAS_BETA_CELLS
HALLMARK_APICAL_JUNCTION
HALLMARK_KRAS_SIGNALING_UP
HALLMARK_IL6_JAK_STAT3_SIGNALING
HALLMARK_COAGULATION
HALLMARK_NOTCH_SIGNALING
HALLMARK_UV_RESPONSE_UP
HALLMARK_IL2_STAT5_SIGNALING
HALLMARK_HEME_METABOLISM
HALLMARK_COMPLEMENT
HALLMARK_SPERMATOGENESIS
HALLMARK_APOPTOSIS
HALLMARK_INFLAMMATORY_RESPONSE
HALLMARK_PI3K_AKT_MTOR_SIGNALING
HALLMARK_HYPOXIA
HALLMARK_ESTROGEN_RESPONSE_LATE
HALLMARK_BILE_ACID_METABOLISM
HALLMARK_G2M_CHECKPOINT
HALLMARK_ANDROGEN_RESPONSE
HALLMARK_REACTIVE_OXYGEN_SPECIES_PATHWAY
HALLMARK_CHOLESTEROL_HOMEOSTASIS
HALLMARK_XENOBIOTIC_METABOLISM
HALLMARK_GLYCOLYSIS
HALLMARK_UNFOLDED_PROTEIN_RESPONSE
HALLMARK_PROTEIN_SECRETION
HALLMARK_PEROXISOME
HALLMARK_E2F_TARGETS
HALLMARK_INTERFERON_ALPHA_RESPONSE
HALLMARK_DNA_REPAIR
HALLMARK_INTERFERON_GAMMA_RESPONSE
HALLMARK_ALLOGRAFT_REJECTION
HALLMARK_MYC_TARGETS_V2
HALLMARK_ADIPOGENESIS
HALLMARK_MTORC1_SIGNALING
HALLMARK_FATTY_ACID_METABOLISM
HALLMARK_MYC_TARGETS_V1
HALLMARK_OXIDATIVE_PHOSPHORYLATION
Pathway
−3
−2
−1
0
1
2
Normalized Enrichment Score
FDR < 0.05
FALSE
TRUE

B


KEGG pathways
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERIES
KEGG_ECM_RECEPTOR_INTERACTION
KEGG_MAPK_SIGNALING_PATHWAY
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE
KEGG_HEDGEHOG_SIGNALING_PATHWAY
KEGG_FOCAL_ADHESION
KEGG_OOCYTE_MEIOSIS
KEGG_RNA_DEGRADATION
KEGG_CELL_ADHESION_MOLECULES_CAMS
KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS
KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM
KEGG_CELL_CYCLE
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
KEGG_RNA_POLYMERASE
KEGG_PENTOSE_PHOSPHATE_PATHWAY
KEGG_ONE_CARBON_POOL_BY_FOLATE
KEGG_LIMONENE_AND_PINENE_DEGRADATION
KEGG_CARDIAC_MUSCLE_CONTRACTION
KEGG_STEROID_BIOSYNTHESIS
KEGG_PRIMARY_IMMUNODEFICIENCY
KEGG_GLUTATHIONE_METABOLISM
KEGG_BASE_EXCISION_REPAIR
KEGG_BETA_ALANINE_METABOLISM
KEGG_ARGININE_AND_PROLINE_METABOLISM
KEGG_PEROXISOME
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS
KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM
KEGG_NUCLEOTIDE_EXCISION_REPAIR
KEGG_GLYCOLYSIS_GLUCONEOGENESIS
KEGG_BUTANOATE_METABOLISM
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM
KEGG_PYRIMIDINE_METABOLISM
KEGG_MISMATCH_REPAIR
KEGG_DNA_REPLICATION
KEGG_FATTY_ACID_METABOLISM
KEGG_PURINE_METABOLISM
KEGG_SPLICEOSOME
KEGG_TRYPTOPHAN_METABOLISM
KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION
KEGG_PROPANOATE_METABOLISM
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS
KEGG_GRAFT_VERSUS_HOST_DISEASE
KEGG_AUTOIMMUNE_THYROID_DISEASE
KEGG_CITRATE_CYCLE_TCA_CYCLE
KEGG_PYRUVATE_METABOLISM
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION
KEGG_ALLOGRAFT_REJECTION
KEGG_PROTEASOME
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
KEGG_OXIDATIVE_PHOSPHORYLATION
KEGG_RIBOSOME
Pathway
−3
−2
−1
0
1
Normalized Enrichment Score
FDR< 0.05
TRUE