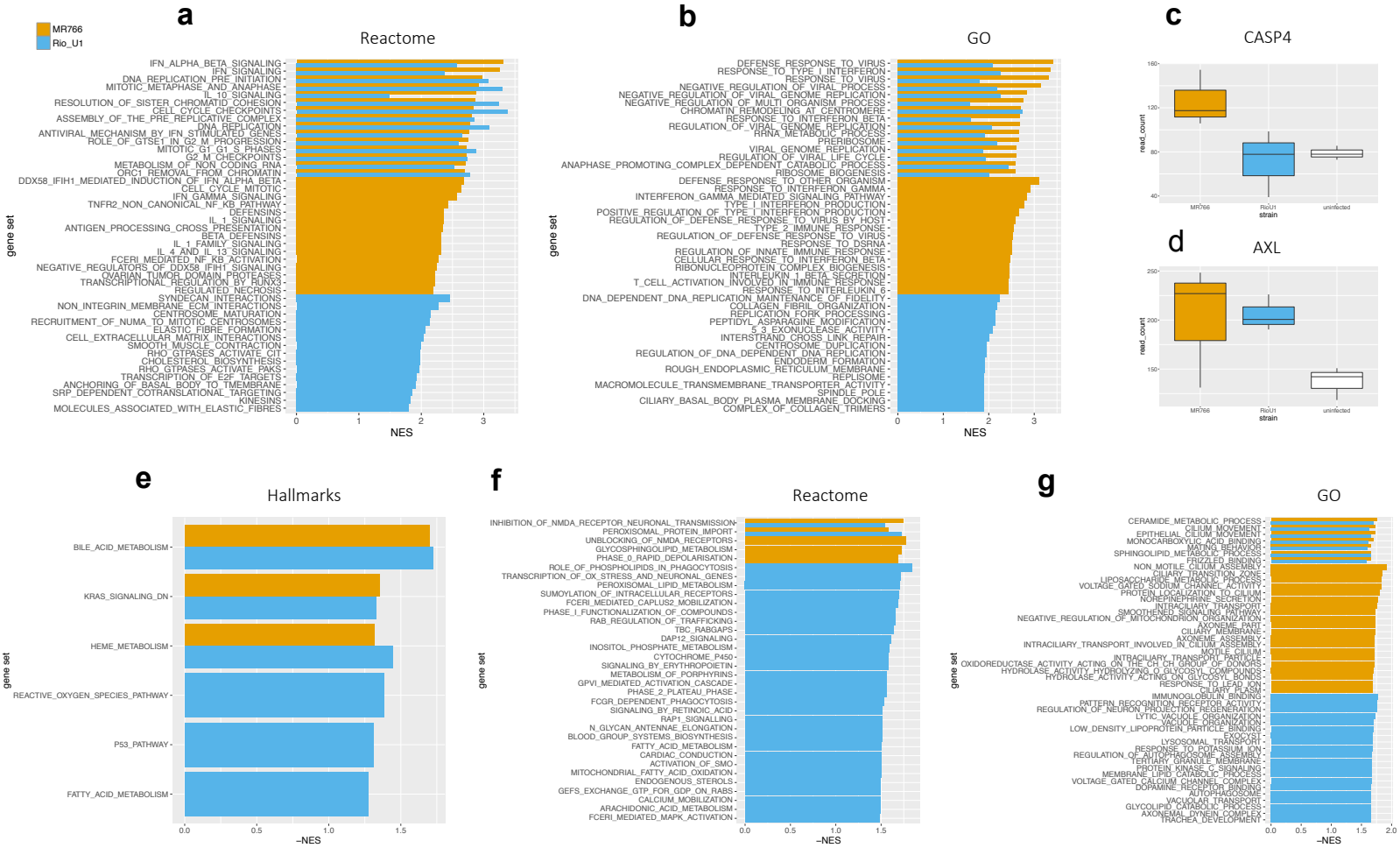
Figure S3


a
Reactome
MR766
Rio_U1
IFN_ALPHA_BETA_SIGNALING
IFN_SIGNALING
DNA_REPLICATION_PRE_INITIATION
MITOTIC_METAPHASE_AND_ANAPHASE
IL_10_SIGNALING
RESOLUTION_OF_SISTER_CHROMATID_COHESION
CELL_CYCLE_CHECKPOINTS
ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
DNA_REPLICATION
ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES
ROLE_OF_GTSE1_IN_G2_M_PROGRESSION
MITOTIC_G1_G1_S_PHASES
G2_M_CHECKPOINTS
METABOLISM_OF_NON_CODING_RNA
ORC1_REMOVAL_FROM_CHROMATIN
DDX58_IFIH1_MEDIATED_INDUCTION_OF_IFN_ALPHA_BETA
CELL_CYCLE_MITOTIC
IFN_GAMMA_SIGNALING
TNFR2_NON_CANONICAL_NF_KB_PATHWAY
DEFENSINS
IL_1_SIGNALING
ANTIGEN_PROCESSING_CROSS_PRESENTATION
BETA_DEFENSINS
IL_1_FAMILY_SIGNALING
IL_4_AND_IL_13_SIGNALING
FCERI_MEDIATED_NF_KB_ACTIVATION
NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING
OVARIAN_TUMOR_DOMAIN_PROTEASES
TRANSCRIPTIONAL_REGULATION_BY_RUNX3
REGULATED_NECROSIS
SYNDECAN_INTERACTIONS
NON_INTEGRIN_MEMBRANE_ECM_INTERACTIONS
CENTROSOME_MATURATION
RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES
ELASTIC_FIBRE_FORMATION
CELL_EXTRACELLULAR_MATRIX_INTERACTIONS
SMOOTH_MUSCLE_CONTRACTION
RHO_GTPASES_ACTIVATE_CIT
CHOLESTEROL_BIOSYNTHESIS
RHO_GTPASES_ACTIVATE_PAKS
TRANSCRIPTION_OF_E2F_TARGETS
ANCHORING_OF_BASAL_BODY_TO_TMEMBRANE
SRP_DEPENDENT_COTRANSLATIONAL_TARGETING
KINESINS
MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES
gene set
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NES
b
GO
DEFENSE_RESPONSE_TO_VIRUS
RESPONSE_TO_TYPE_I_INTERFERON
RESPONSE_TO_VIRUS
NEGATIVE_REGULATION_OF_VIRAL_PROCESS
NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION
NEGATIVE_REGULATION_OF_MULTI_ORGANISM_PROCESS
CHROMATIN_REMODELING_AT_CENTROMERE
RESPONSE_TO_INTERFERON_BETA
REGULATION_OF_VIRAL_GENOME_REPLICATION
RRNA_METABOLIC_PROCESS
PRERIBOSOME
VIRAL_GENOME_REPLICATION
REGULATION_OF_VIRAL_LIFE_CYCLE
ANAPHASE_PROMOTING_COMPLEX_DEPENDENT_CATABOLIC_PROCESS
RIBOSOME_BIOGENESIS
DEFENSE_RESPONSE_TO_OTHER_ORGANISM
RESPONSE_TO_INTERFERON_GAMMA
INTERFERON_GAMMA_MEDIATED_SIGNALING_PATHWAY
TYPE_I_INTERFERON_PRODUCTION
POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_PRODUCTION
REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST
TYPE_2_IMMUNE_RESPONSE
REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS
RESPONSE_TO_DSRNA
REGULATION_OF_INNATE_IMMUNE_RESPONSE
CELLULAR_RESPONSE_TO_INTERFERON_BETA
RIBONUCLEOPROTEIN_COMPLEX_BIOGENESIS
INTERLEUKIN_1_BETA_SECRETION
T_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE
RESPONSE_TO_INTERLEUKIN_6
DNA_DEPENDENT_DNA_REPLICATION_MAINTENANCE_OF_FIDELITY
COLLAGEN_FIBRIL_ORGANIZATION
REPLICATION_FORK_PROCESSING
PEPTIDYL_ASPARAGINE_MODIFICATION
5_3_EXONUCLEASE_ACTIVITY
INTERSTRAND_CROSS_LINK_REPAIR
CENTROSOME_DUPLICATION
REGULATION_OF_DNA_DEPENDENT_DNA_REPLICATION
ENDODERM_FORMATION
ROUGH_ENDOPLASMIC_RETICULUM_MEMBRANE
REPLISOME
MACROMOLECULE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
SPINDLE_POLE
CILIARY_BASAL_BODY_PLASMA_MEMBRANE_DOCKING
COMPLEX_OF_COLLAGEN_TRIMERS
gene set
0
1
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NES
c
CASP4
160
120
80
40
read_count
MR766
RioU1
uninfected
strain
d
AXL
250
200
150
read_count
MR766
RioU1
uninfected
strain
e
Hallmarks
BILE_ACID_METABOLISM
KRAS_SIGNALING_DN
HEME_METABOLISM
REACTIVE_OXYGEN_SPECIES_PATHWAY
P53_PATHWAY
FATTY_ACID_METABOLISM
gene set
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Reactome
INHIBITION_OF_NMDA_RECEPTOR_NEURONAL_TRANSMISSION
PEROXISOMAL_PROTEIN_IMPORT
UNBLOCKING_OF_NMDA_RECEPTORS
GLYCOSPHINGOLIPID_METABOLISM
PHASE_0_RAPID_DEPOLARISATION
ROLE_OF_PHOSPHOLIPIDS_IN_PHAGOCYTOSIS
TRANSCRIPTION_OF_OX_STRESS_AND_NEURONAL_GENES
PEROXISOMAL_LIPID_METABOLISM
SUMOYLATION_OF_INTRACELLULAR_RECEPTORS
FCERI_MEDIATED_CAPLUS2_MOBILIZATION
PHASE_I_FUNCTIONALIZATION_OF_COMPOUNDS
RAB_REGULATION_OF_TRAFFICKING
TBC_RABGAPS
DAP12_SIGNALING
INOSITOL_PHOSPHATE_METABOLISM
CYTOCHROME_P450
SIGNALING_BY_ERYTHROPOIETIN
METABOLISM_OF_PORPHYRINS
GPVI_MEDIATED_ACTIVATION_CASCADE
PHASE_2_PLATEAU_PHASE
FCGR_DEPENDENT_PHAGOCYTOSIS
SIGNALING_BY_RETINOIC_ACID
RAP1_SIGNALLING
N_GLYCAN_ANTENNAE_ELONGATION
BLOOD_GROUP_SYSTEMS_BIOSYNTHESIS
FATTY_ACID_METABOLISM
CARDIAC_CONDUCTION
ACTIVATION_OF_SMO
MITOCHONDRIAL_FATTY_ACID_OXIDATION
ENDOGENOUS_STEROLS
GEFS_EXCHANGE_GTP_FOR_GDP_ON_RABS
CALCIUM_MOBILIZATION
ARACHIDONIC_ACID_METABOLISM
FCERI_MEDIATED_MAPK_ACTIVATION
gene set
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GO
CERAMIDE_METABOLIC_PROCESS
CILIUM_MOVEMENT
EPITHELIAL_CILIUM_MOVEMENT
MONOCARBOXYLIC_ACID_BINDING
MATING_BEHAVIOR
SPHINGOLIPID_METABOLIC_PROCESS
FRIZZLED_BINDING
NON_MOTILE_CILIUM_ASSEMBLY
CILIARY_TRANSITION_ZONE
LIPOSACCHARIDE_METABOLIC_PROCESS
VOLTAGE_GATED_SODIUM_CHANNEL_ACTIVITY
PROTEIN_LOCALIZATION_TO_CILIUM
NOREPINEPHRINE_SECRETION
INTRACILIARY_TRANSPORT
SMOOTHENED_SIGNALING_PATHWAY
NEGATIVE_REGULATION_OF_MITOCHONDRION_ORGANIZATION
AXONEME_PART
CILIARY_MEMBRANE
AXONEME_ASSEMBLY
INTRACILIARY_TRANSPORT_INVOLVED_IN_CILIUM_ASSEMBLY
MOTILE_CILIUM
INTRACILIARY_TRANSPORT_PARTICLE
OXIDOREDUCTASE_ACTIVITY_ACTING_ON_THE_CH_CH_GROUP_OF_DONORS
HYDROLASE_ACTIVITY_HYDROLYZING_O_GLYCOSYL_COMPOUNDS
HYDROLASE_ACTIVITY_ACTING_ON_GLYCOSYL_BONDS
RESPONSE_TO_LEAD_ION
CILIARY_PLASM
IMMUNOGLOBULIN_BINDING
PATTERN_RECOGNITION_RECEPTOR_ACTIVITY
REGULATION_OF_NEURON_PROJECTION_REGENERATION
LYTIC_VACUOLE_ORGANIZATION
VACUOLE_ORGANIZATION
LOW_DENSITY_LIPOPROTEIN_PARTICLE_BINDING
ENDOCYTIC
LYSOSOMAL_TRANSPORT
RESPONSE_TO_POTASSIUM_ION
REGULATION_OF_AUTOPHAGOSOME_ASSEMBLY
TERTIARY_GRANULE_MEMBRANE
PROTEIN_KINASE_C_SIGNALING
MEMBRANE_LIPID_CATABOLIC_PROCESS
VOLTAGE_GATED_CALCIUM_CHANNEL_COMPLEX
DOPAMINE_RECEPTOR_BINDING
AUTOPHAGOSOME
VACUOLAR_TRANSPORT
GLYCOLIPID_CATABOLIC_PROCESS
AXONEMAL_DYNEIN_COMPLEX
TRACHEA_DEVELOPMENT
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