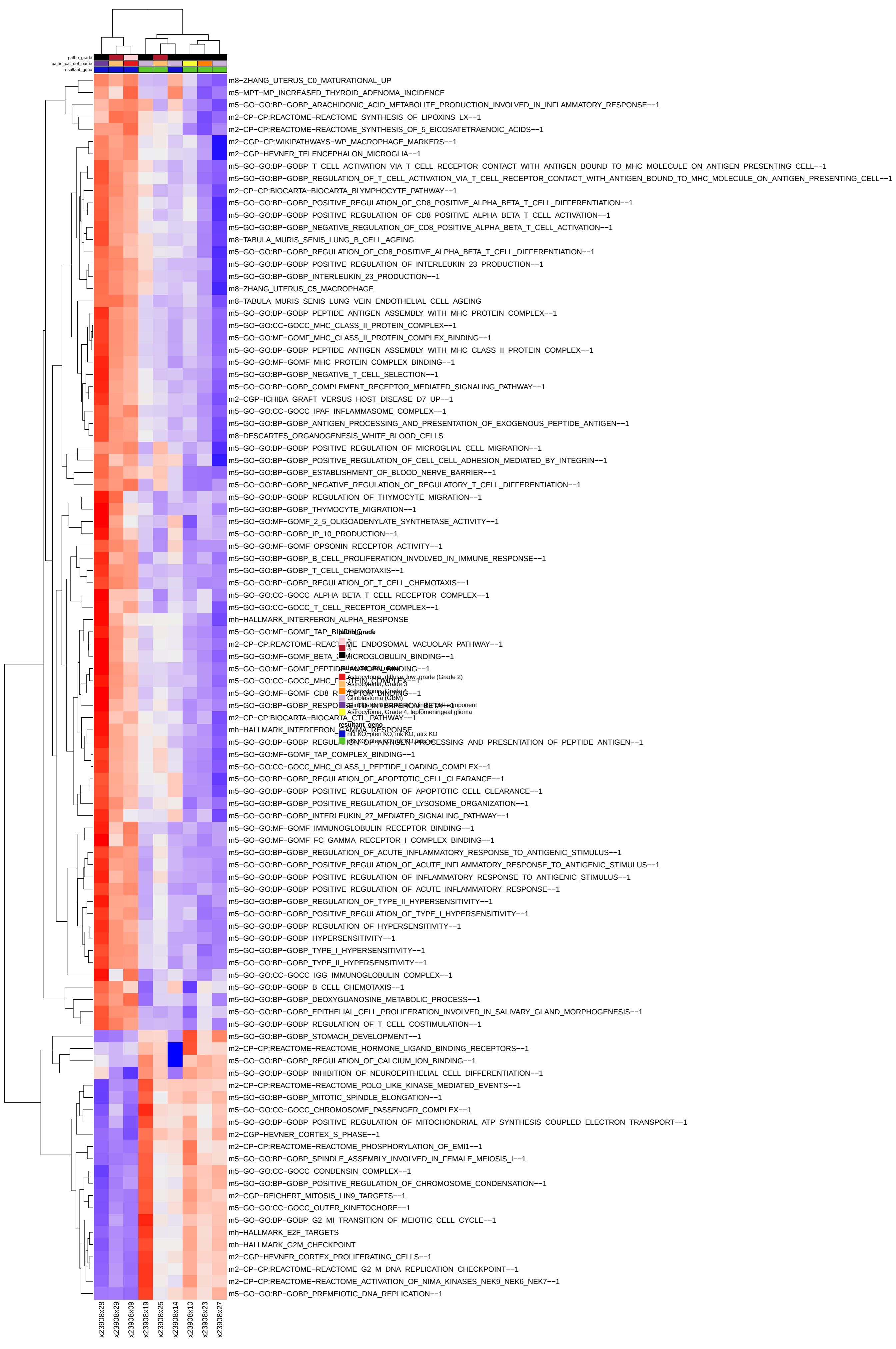
patho_grade
patho_cat_det_name
resultant_geno
m8−ZHANG_UTERUS_C0_MATURATIONAL_UP
m5−MPT−MP_INCREASED_THYROID_ADENOMA_INCIDENCE
m5−GO−GO:BP−GOBP_ARACHIDONIC_ACID_METABOLITE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE−−1
m2−CP−CP:REACTOME−REACTOME_SYNTHESIS_OF_LIPOXINS_LX−−1
m2−CP−CP:REACTOME−REACTOME_SYNTHESIS_OF_5_EICOSATETRAENOIC_ACIDS−−1
m2−CGP−CP:WIKIPATHWAYS−WP_MACROPHAGE_MARKERS−−1
m2−CGP−HEVNER_TELENCEPHALON_MICROGLIA−−1
m5−GO−GO:BP−GOBP_T_CELL_ACTIVATION_VIA_T_CELL_RECEPTOR_CONTACT_WITH_ANTIGEN_BOUND_TO_MHC_MOLECULE_ON_ANTIGEN_PRESENTING_CELL−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_T_CELL_ACTIVATION_VIA_T_CELL_RECEPTOR_CONTACT_WITH_ANTIGEN_BOUND_TO_MHC_MOLECULE_ON_ANTIGEN_PRESENTING_CELL−−1
m2−CP−CP:BIOCARTA−BIOCARTA_BLYMPHOCYTE_PATHWAY−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION−−1
m5−GO−GO:BP−GOBP_NEGATIVE_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION−−1
m8−TABULA_MURIS_SENIS_LUNG_B_CELL_AGEING
m5−GO−GO:BP−GOBP_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_23_PRODUCTION−−1
m5−GO−GO:BP−GOBP_INTERLEUKIN_23_PRODUCTION−−1
m8−ZHANG_UTERUS_C5_MACROPHAGE
m8−TABULA_MURIS_SENIS_LUNG_VEIN_ENDOTHELIAL_CELL_AGEING
m5−GO−GO:BP−GOBP_PEPTIDE_ANTIGEN_ASSEMBLY_WITH_MHC_PROTEIN_COMPLEX−−1
m5−GO−GO:CC−GOCC_MHC_CLASS_II_PROTEIN_COMPLEX−−1
m5−GO−GO:MF−GOMF_MHC_CLASS_II_PROTEIN_COMPLEX_BINDING−−1
m5−GO−GO:BP−GOBP_PEPTIDE_ANTIGEN_ASSEMBLY_WITH_MHC_CLASS_II_PROTEIN_COMPLEX−−1
m5−GO−GO:MF−GOMF_MHC_PROTEIN_COMPLEX_BINDING−−1
m5−GO−GO:BP−GOBP_NEGATIVE_T_CELL_SELECTION−−1
m5−GO−GO:BP−GOBP_COMPLEMENT_RECEPTOR_MEDIATED_SIGNALING_PATHWAY−−1
m2−CGP−ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP−−1
m5−GO−GO:CC−GOCC_IPAF_INFLAMMASOME_COMPLEX−−1
m5−GO−GO:BP−GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN−−1
m8−DESCARTES_ORGANOGENESIS_WHITE_BLOOD_CELLS
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_MICROGLIAL_CELL_MIGRATION−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION_MEDIATED_BY_INTEGRIN−−1
m5−GO−GO:BP−GOBP_ESTABLISHMENT_OF_BLOOD_NERVE_BARRIER−−1
m5−GO−GO:BP−GOBP_NEGATIVE_REGULATION_OF_REGULATORY_T_CELL_DIFFERENTIATION−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_THYMOCYTE_MIGRATION−−1
m5−GO−GO:BP−GOBP_THYMOCYTE_MIGRATION−−1
m5−GO−GO:MF−GOMF_2_5_OLIGOADENYLATE_SYNTHETASE_ACTIVITY−−1
m5−GO−GO:BP−GOBP_IP_10_PRODUCTION−−1
m5−GO−GO:MF−GOMF_OPSONIN_RECEPTOR_ACTIVITY−−1
m5−GO−GO:BP−GOBP_B_CELL_PROLIFERATION_INVOLVED_IN_IMMUNE_RESPONSE−−1
m5−GO−GO:BP−GOBP_T_CELL_CHEMOTAXIS−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_T_CELL_CHEMOTAXIS−−1
m5−GO−GO:CC−GOCC_ALPHA_BETA_T_CELL_RECEPTOR_COMPLEX−−1
m5−GO−GO:CC−GOCC_T_CELL_RECEPTOR_COMPLEX−−1
mh−HALLMARK_INTERFERON_ALPHA_RESPONSE
m5−GO−GO:MF−GOMF_TAP_BINDING−−1
m2−CP−CP:REACTOME−REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY−−1
m5−GO−GO:MF−GOMF_BETA_2_MICROGLOBULIN_BINDING−−1
m5−GO−GO:MF−GOMF_PEPTIDE_ANTIGEN_BINDING−−1
m5−GO−GO:CC−GOCC_MHC_PROTEIN_COMPLEX−−1
m5−GO−GO:MF−GOMF_CD8_RECEPTOR_BINDING−−1
m5−GO−GO:BP−GOBP_RESPONSE_TO_INTERFERON_BETA−−1
m2−CP−CP:BIOCARTA−BIOCARTA_CTL_PATHWAY−−1
mh−HALLMARK_INTERFERON_GAMMA_RESPONSE
m5−GO−GO:BP−GOBP_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN−−1
m5−GO−GO:MF−GOMF_TAP_COMPLEX_BINDING−−1
m5−GO−GO:CC−GOCC_MHC_CLASS_I_PEPTIDE_LOADING_COMPLEX−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_APOPTOTIC_CELL_CLEARANCE−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_APOPTOTIC_CELL_CLEARANCE−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_LYSOSOME_ORGANIZATION−−1
m5−GO−GO:BP−GOBP_INTERLEUKIN_27_MEDIATED_SIGNALING_PATHWAY−−1
m5−GO−GO:MF−GOMF_IMMUNOGLOBULIN_RECEPTOR_BINDING−−1
m5−GO−GO:MF−GOMF_FC_GAMMA_RECEPTOR_I_COMPLEX_BINDING−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE_TO_ANTIGENIC_STIMULUS−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_TYPE_II_HYPERSENSITIVITY−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_TYPE_I_HYPERSENSITIVITY−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_HYPERSENSITIVITY−−1
m5−GO−GO:BP−GOBP_HYPERSENSITIVITY−−1
m5−GO−GO:BP−GOBP_TYPE_I_HYPERSENSITIVITY−−1
m5−GO−GO:BP−GOBP_TYPE_II_HYPERSENSITIVITY−−1
m5−GO−GO:CC−GOCC_IGG_IMMUNOGLOBULIN_COMPLEX−−1
m5−GO−GO:BP−GOBP_B_CELL_CHEMOTAXIS−−1
m5−GO−GO:BP−GOBP_DEOXYGUANOSINE_METABOLIC_PROCESS−−1
m5−GO−GO:BP−GOBP_EPITHELIAL_CELL_PROLIFERATION_INVOLVED_IN_SALIVARY_GLAND_MORPHOGENESIS−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_T_CELL_COSTIMULATION−−1
m5−GO−GO:BP−GOBP_STOMACH_DEVELOPMENT−−1
m2−CP−CP:REACTOME−REACTOME_HORMONE_LIGAND_BINDING_RECEPTORS−−1
m5−GO−GO:BP−GOBP_REGULATION_OF_CALCIUM_ION_BINDING−−1
m5−GO−GO:BP−GOBP_INHIBITION_OF_NEUROEPITHELIAL_CELL_DIFFERENTIATION−−1
m2−CP−CP:REACTOME−REACTOME_POLO_LIKE_KINASE_MEDIATED_EVENTS−−1
m5−GO−GO:BP−GOBP_MITOTIC_SPINDLE_ELONGATION−−1
m5−GO−GO:CC−GOCC_CHROMOSOME_PASSENGER_COMPLEX−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_MITOCHONDRIAL_ATP_SYNTHESIS_COUPLED_ELECTRON_TRANSPORT−−1
m2−CGP−HEVNER_CORTEX_S_PHASE−−1
m2−CP−CP:REACTOME−REACTOME_PHOSPHORYLATION_OF_EMI1−−1
m5−GO−GO:BP−GOBP_SPINDLE_ASSEMBLY_INVOLVED_IN_FEMALE_MEIOSIS_I−−1
m5−GO−GO:CC−GOCC_CONDENSIN_COMPLEX−−1
m5−GO−GO:BP−GOBP_POSITIVE_REGULATION_OF_CHROMOSOME_CONDENSATION−−1
m2−CGP−REICHERT_MITOSIS_LIN9_TARGETS−−1
m5−GO−GO:CC−GOCC_OUTER_KINETOCHORE−−1
m5−GO−GO:BP−GOBP_G2_MI_TRANSITION_OF_MEIOTIC_CELL_CYCLE−−1
mh−HALLMARK_E2F_TARGETS
mh−HALLMARK_G2M_CHECKPOINT
m2−CGP−HEVNER_CORTEX_PROLIFERATING_CELLS−−1
m2−CP−CP:REACTOME−REACTOME_G2_M_DNA_REPLICATION_CHECKPOINT−−1
m2−CP−CP:REACTOME−REACTOME_ACTIVATION_OF_NIMA_KINASES_NEK9_NEK6_NEK7−−1
m5−GO−GO:BP−GOBP_PREMEIOTIC_DNA_REPLICATION−−1
x23908x28
x23908x29
x23908x09
x23908x19
x23908x25
x23908x14
x23908x10
x23908x23
x23908x27
patho_grade
2
3
4
patho_cat_det_name
Astrocytoma, diffuse, low−grade (Grade 2)
Astrocytoma, Grade 3
Astrocytoma, Grade 4
Glioblastoma (GBM)
Glioblastoma (GBM) w/ spindle cell component
Astrocytoma, Grade 4, leptomeningeal glioma
resultant_geno
nf1 KO; pten KO; ink KO; atrx KO
nf1 KO; pten KO; ink KO; atrx wt