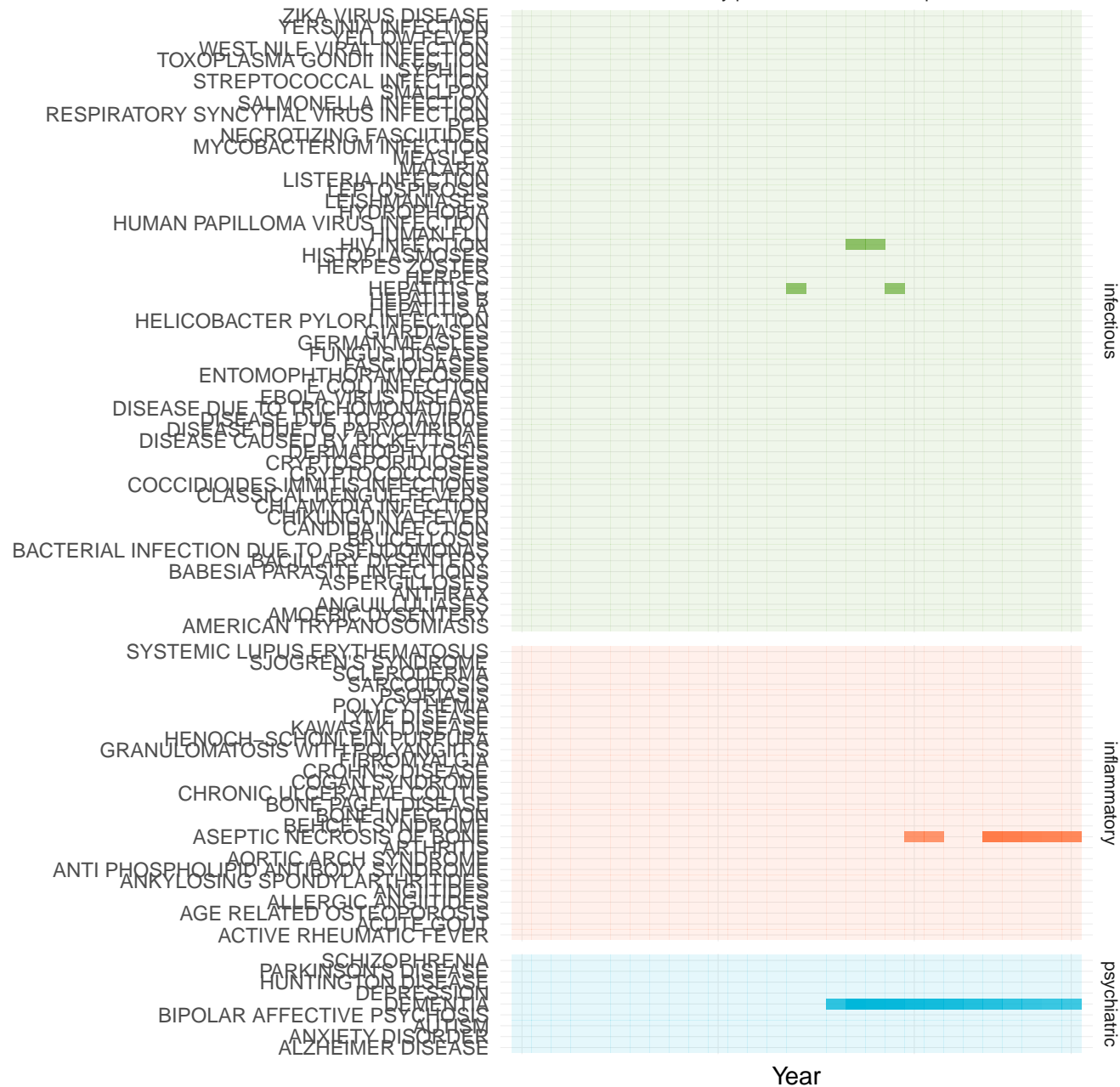
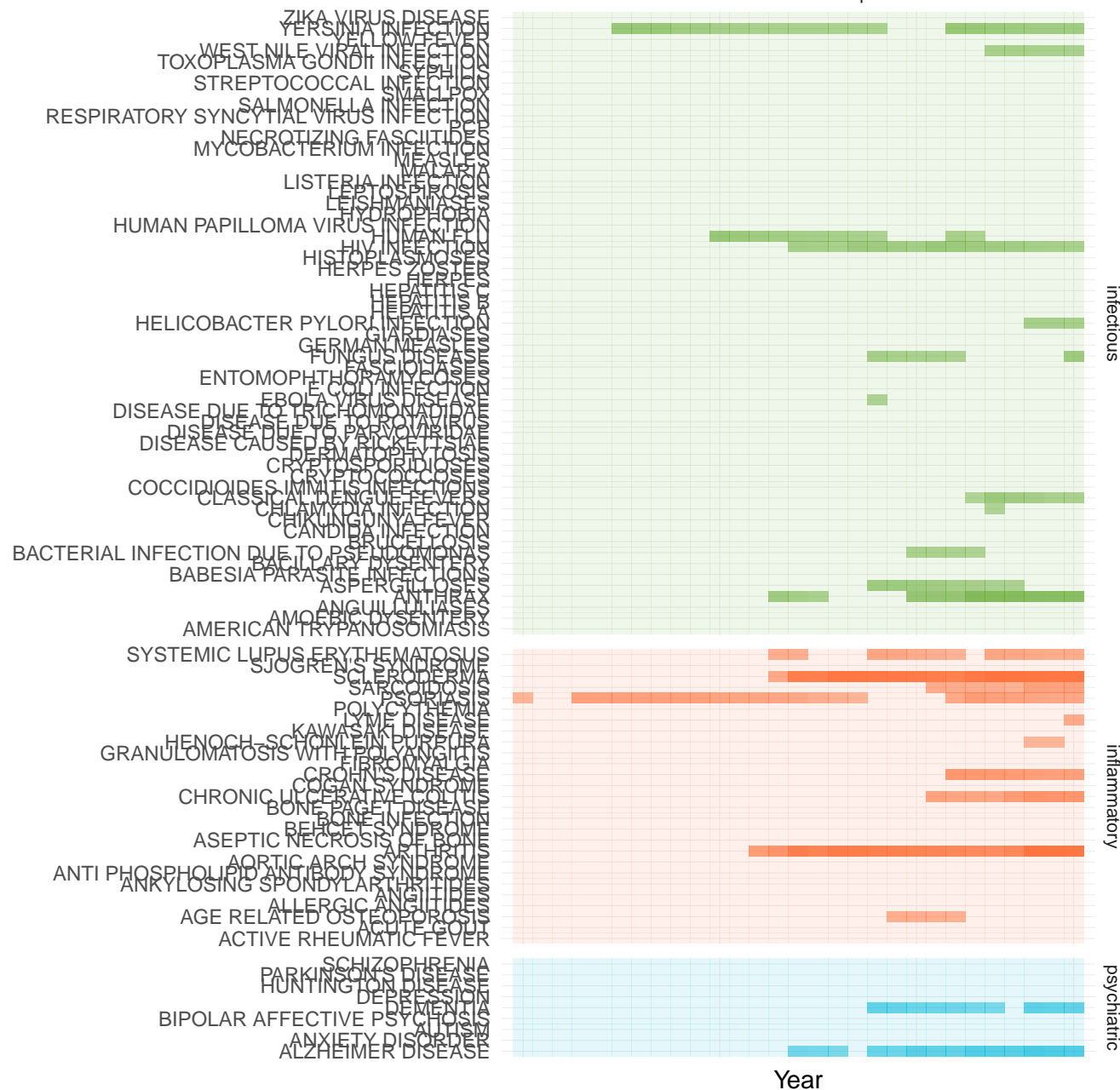


ABC-family proteins mediated transport

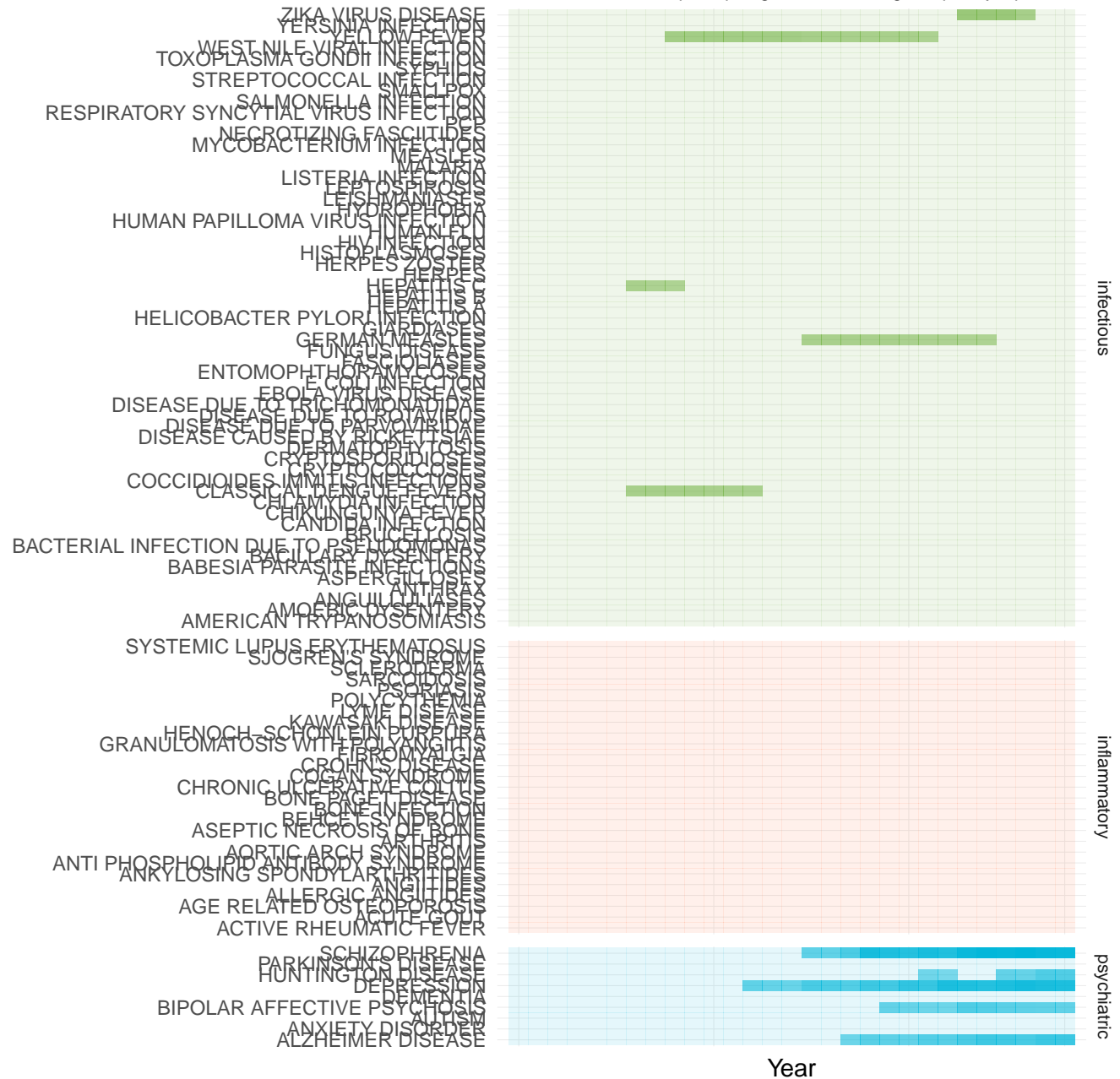




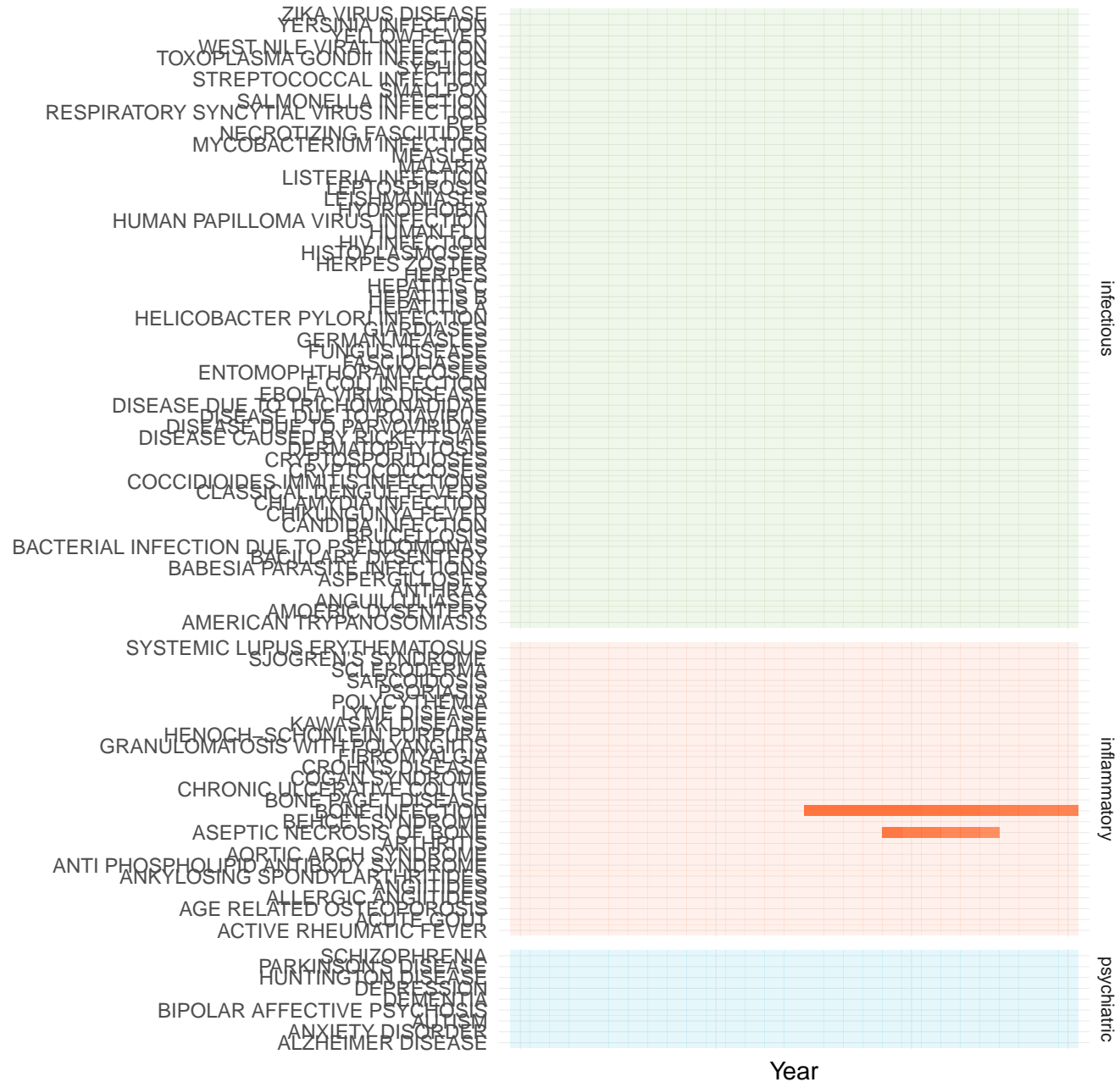
Activation of Matrix Metalloproteinases



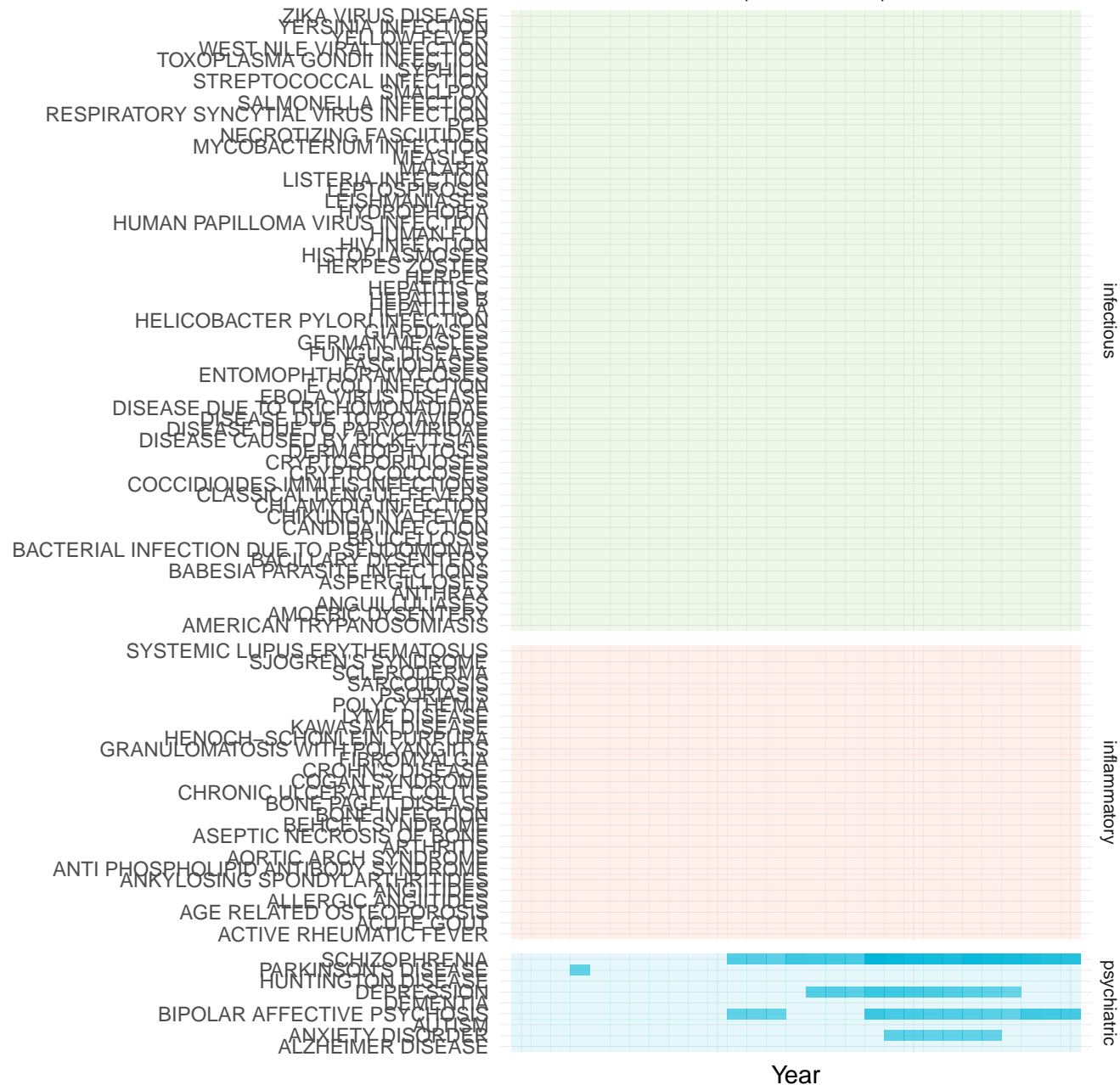
activation of NMDA receptor upon glutamate binding and postsynaptic even



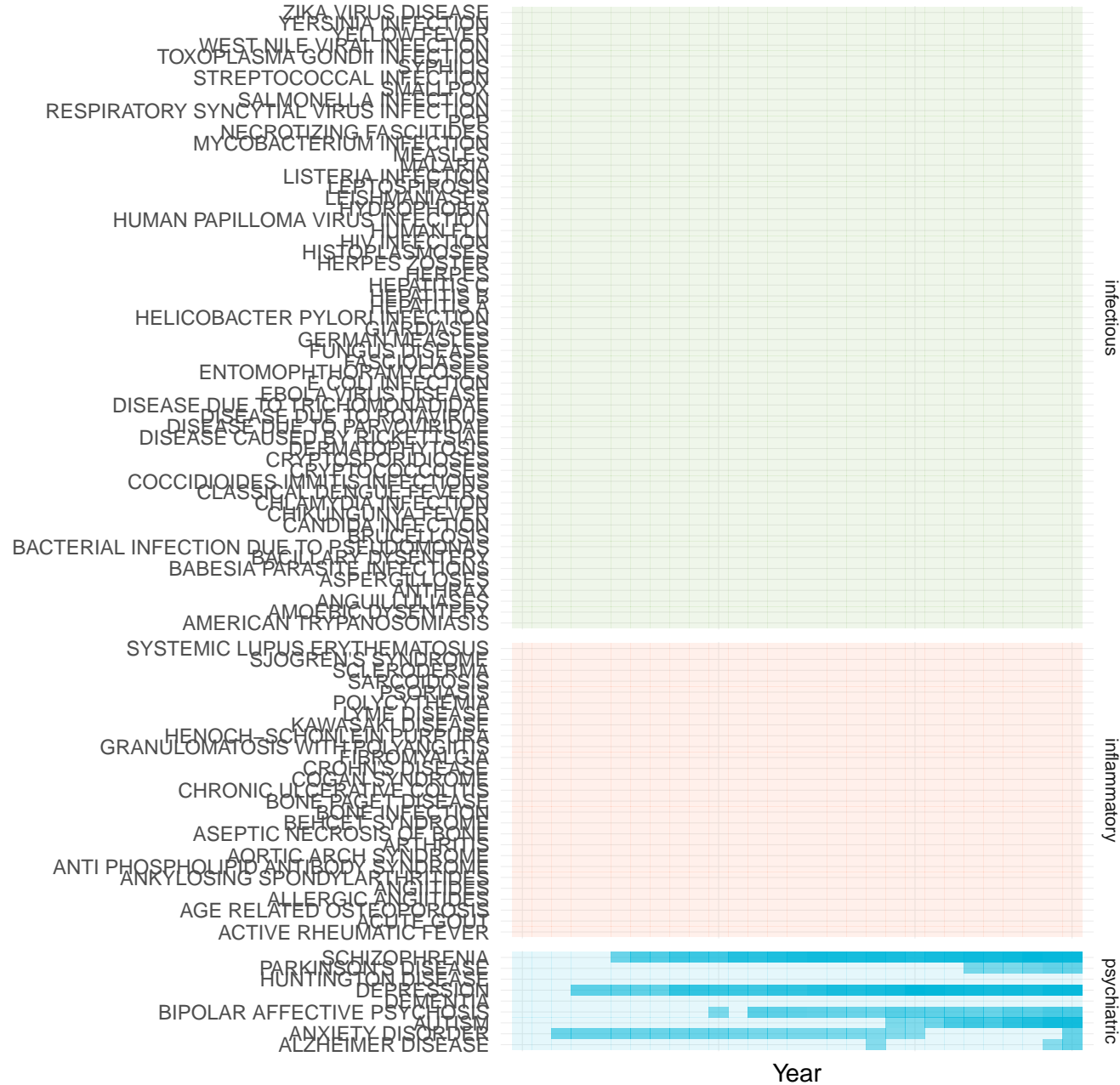
Aflatoxin activation and detoxification



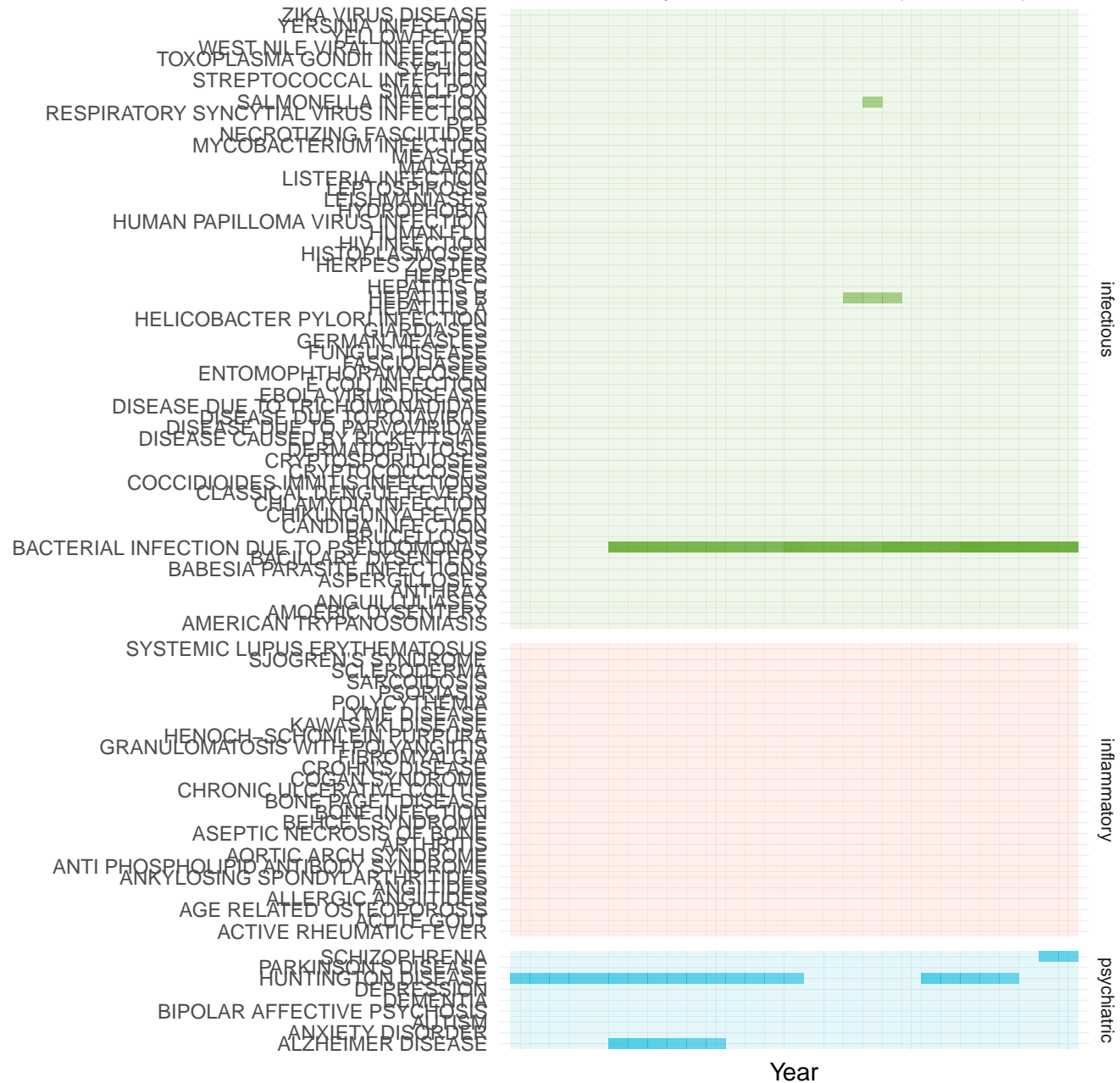
Amine compound SLC transporters



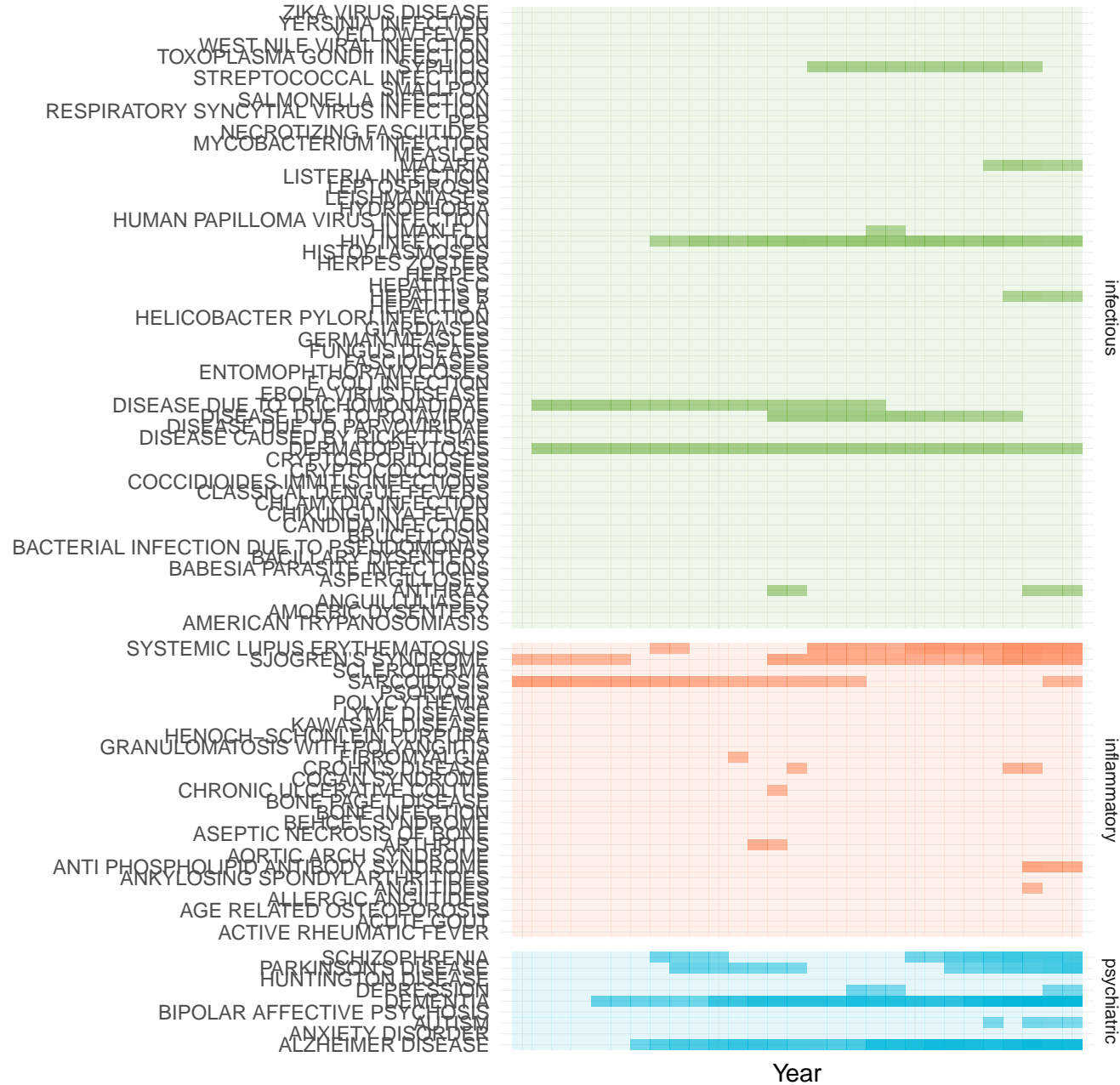




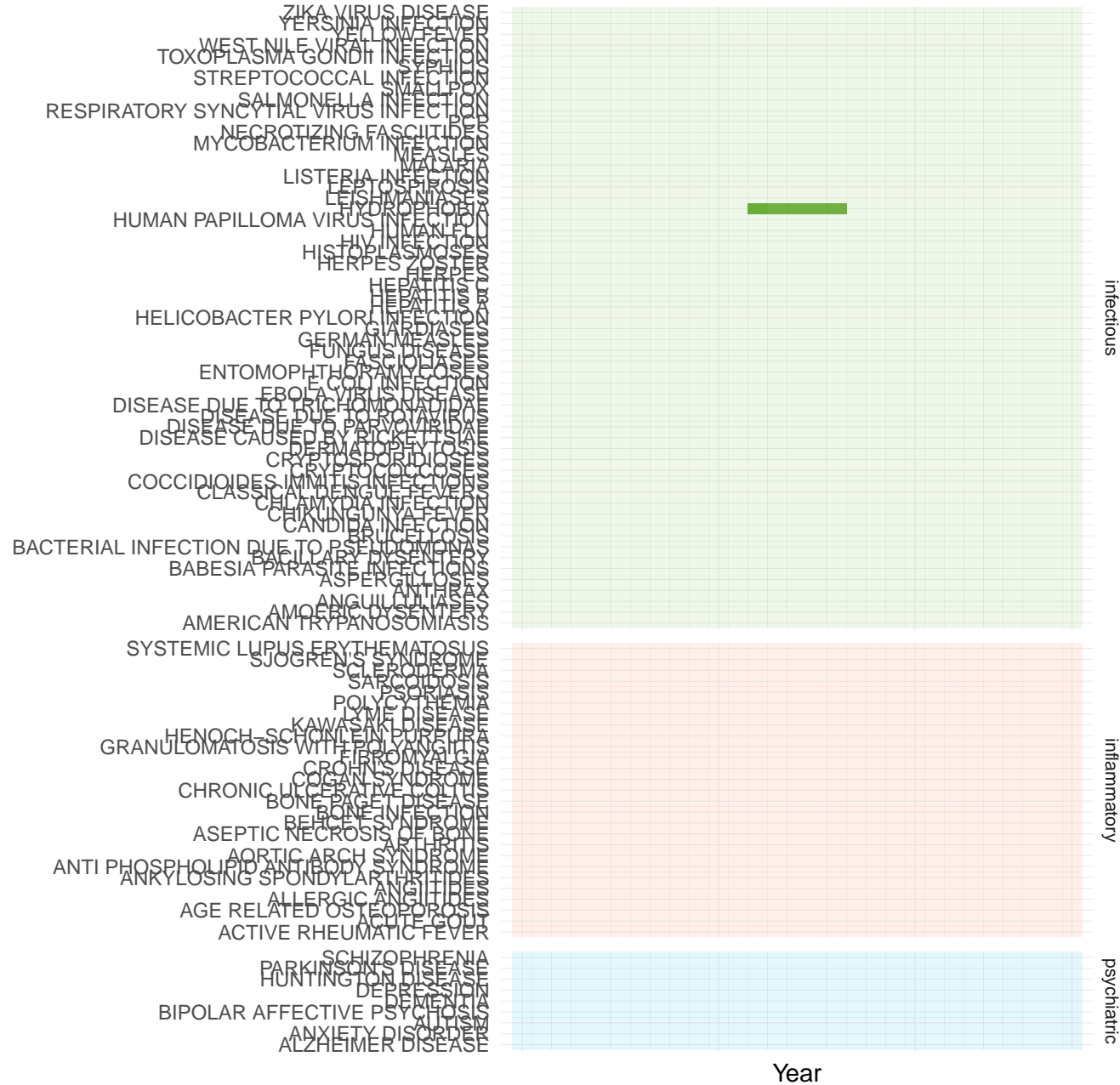
Amino acid synthesis and interconversion (transamination)



Amyloid fiber formation

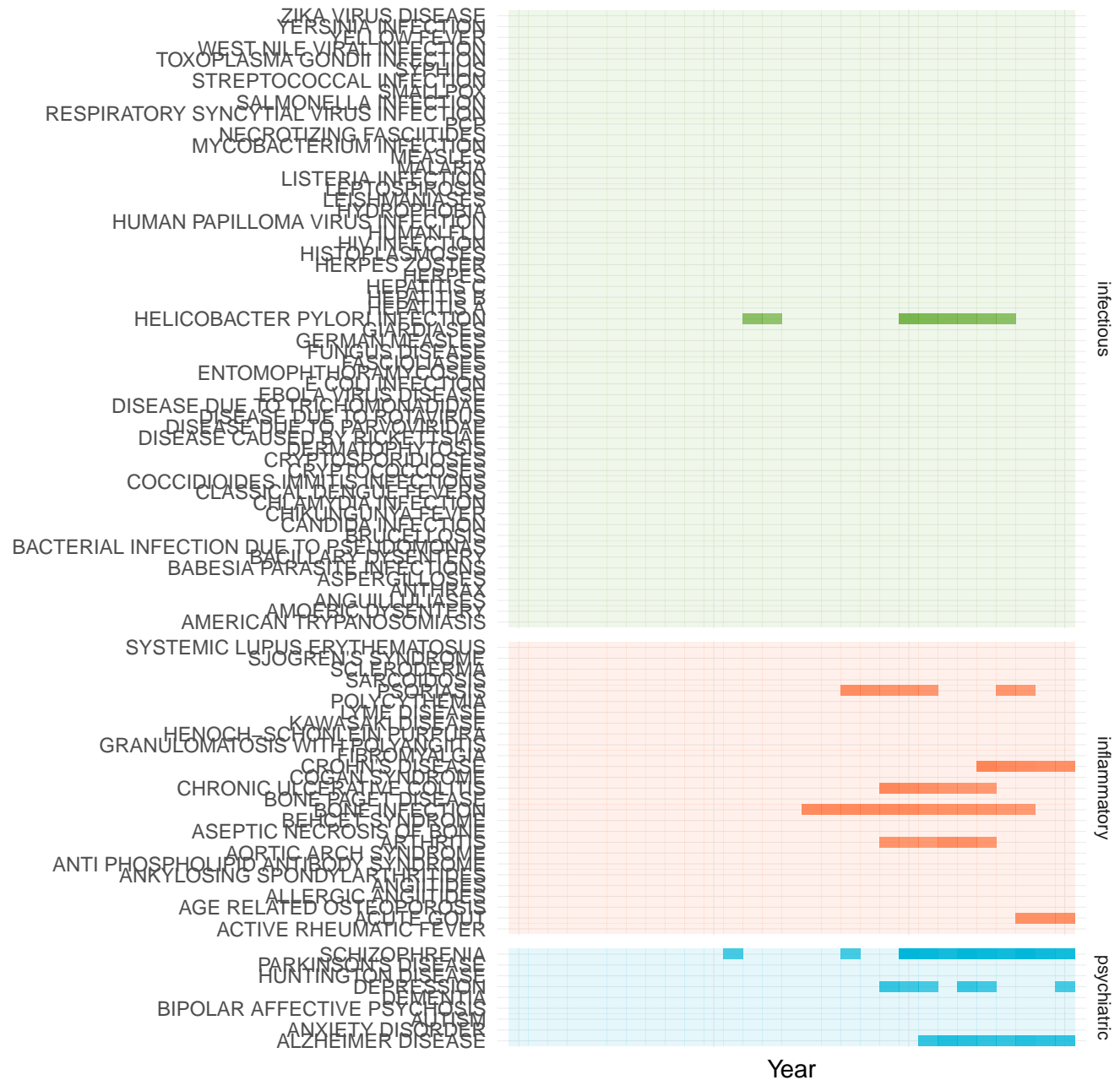


Anchoring of the basal body to the plasma membrane

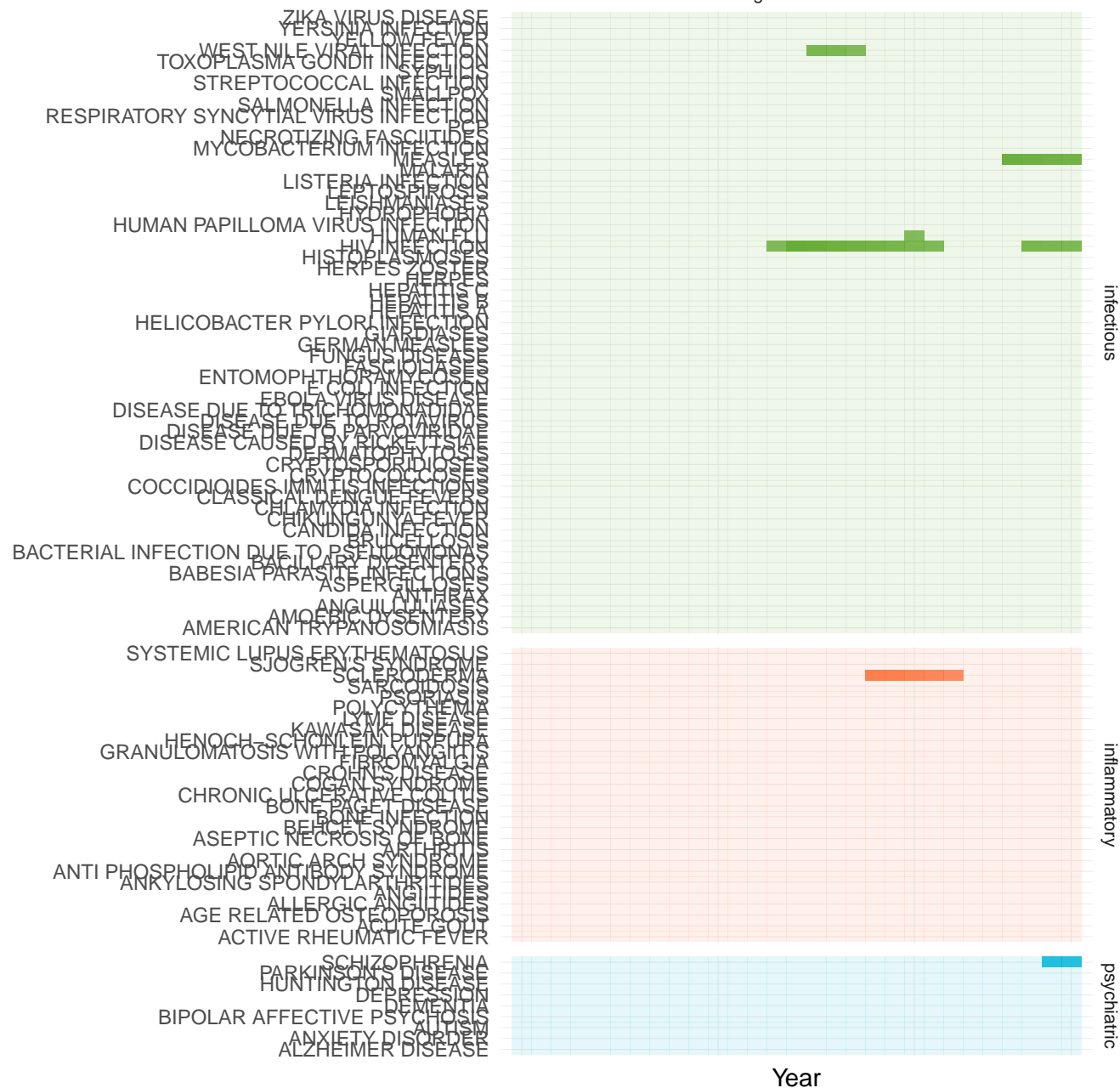




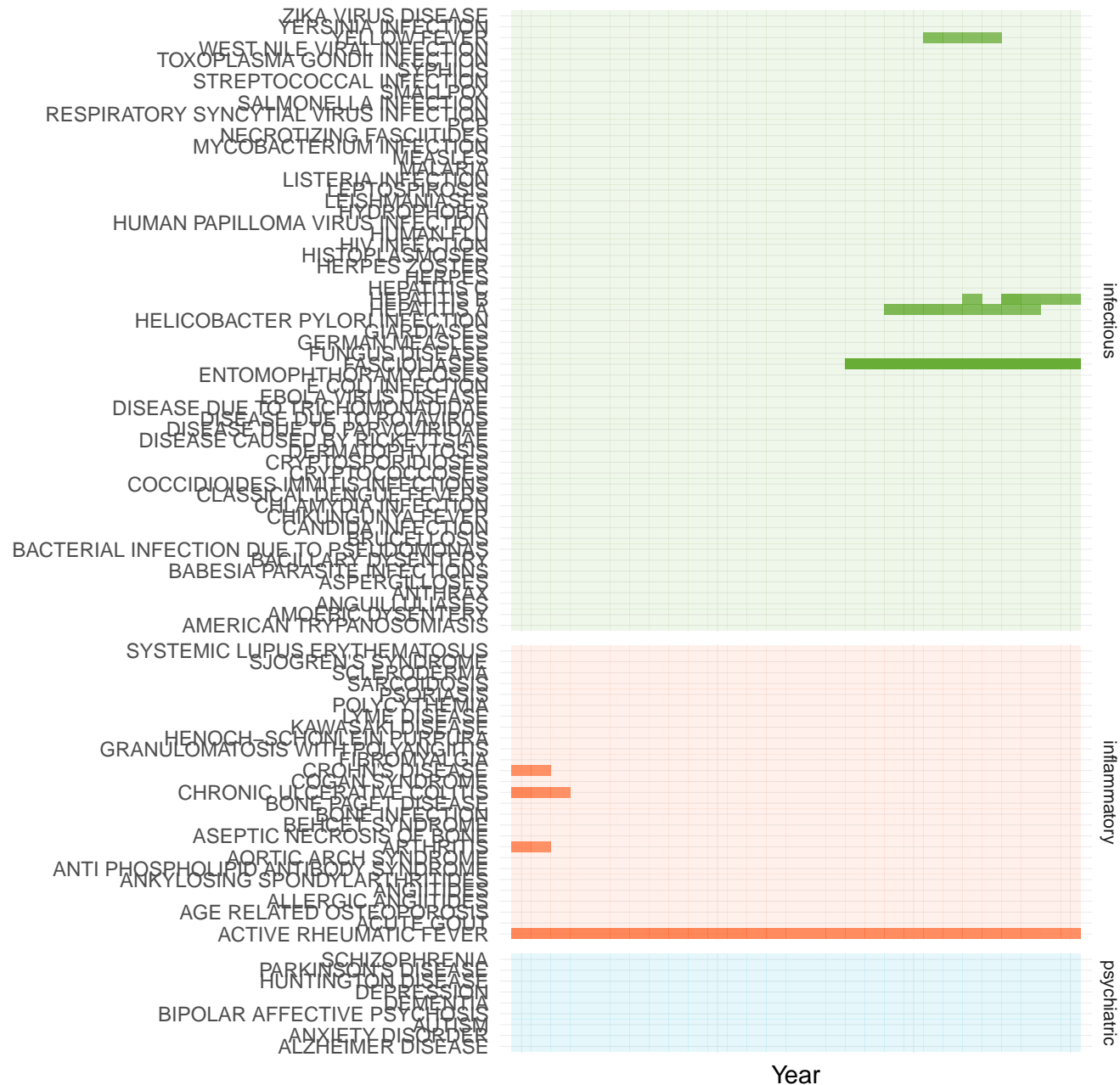
Arachidonic acid metabolism



Basigin interactions



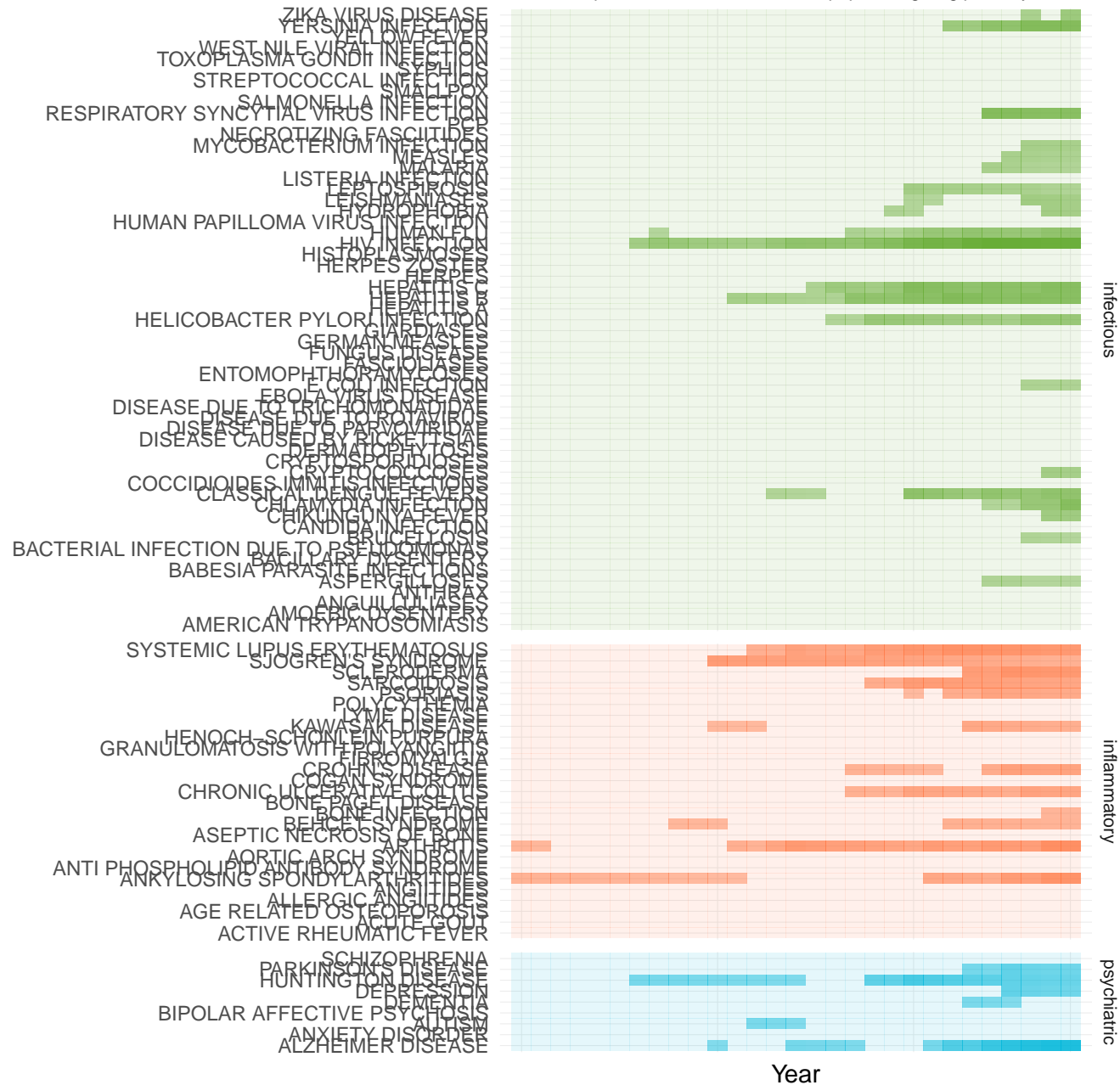
Bile acid and bile salt metabolism

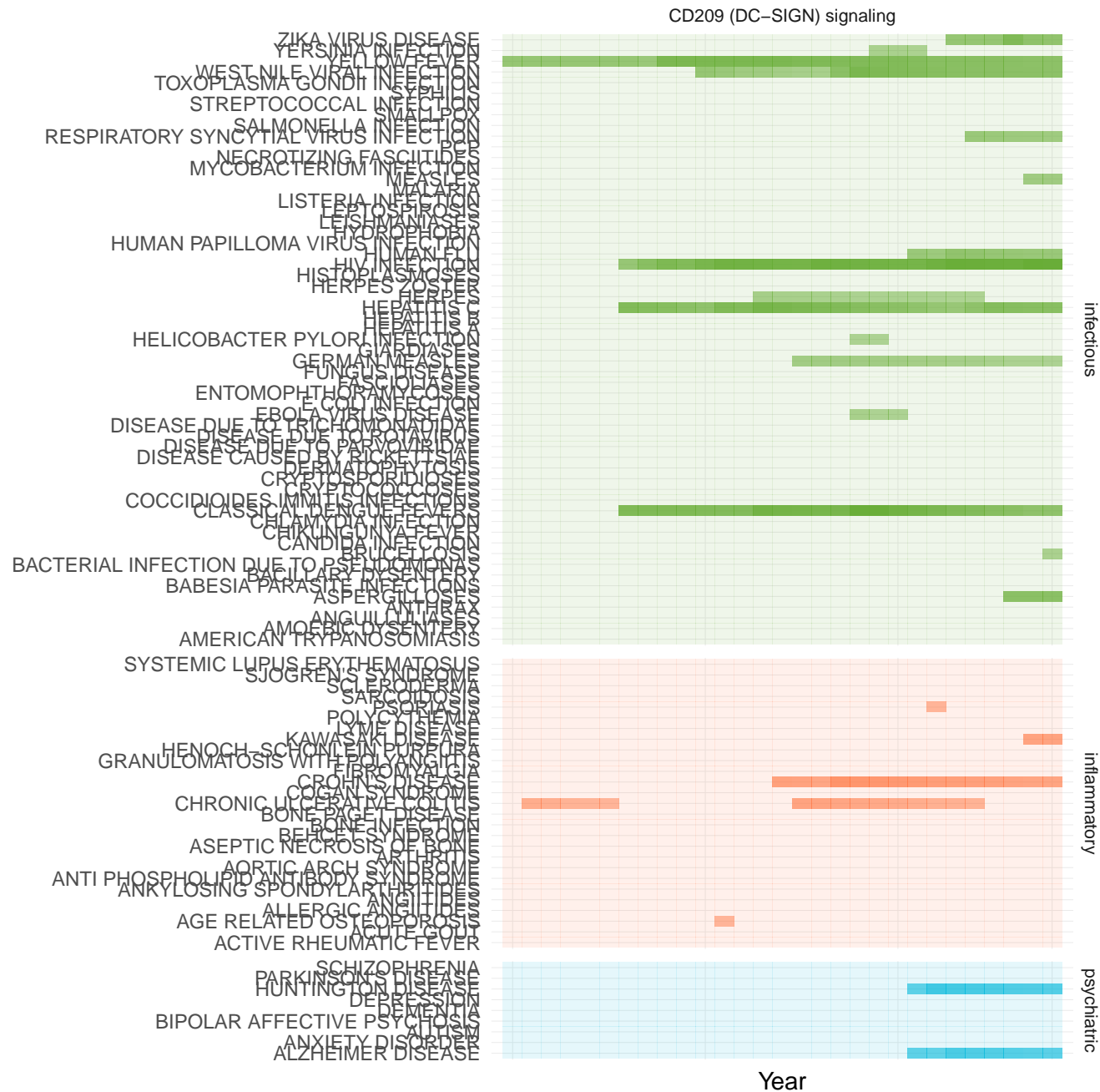


Branched-chain amino acid catabolism



Caspase activation via extrinsic apoptotic signalig pathway





Cell junction organization

infectious

inflammatory

psychiatric

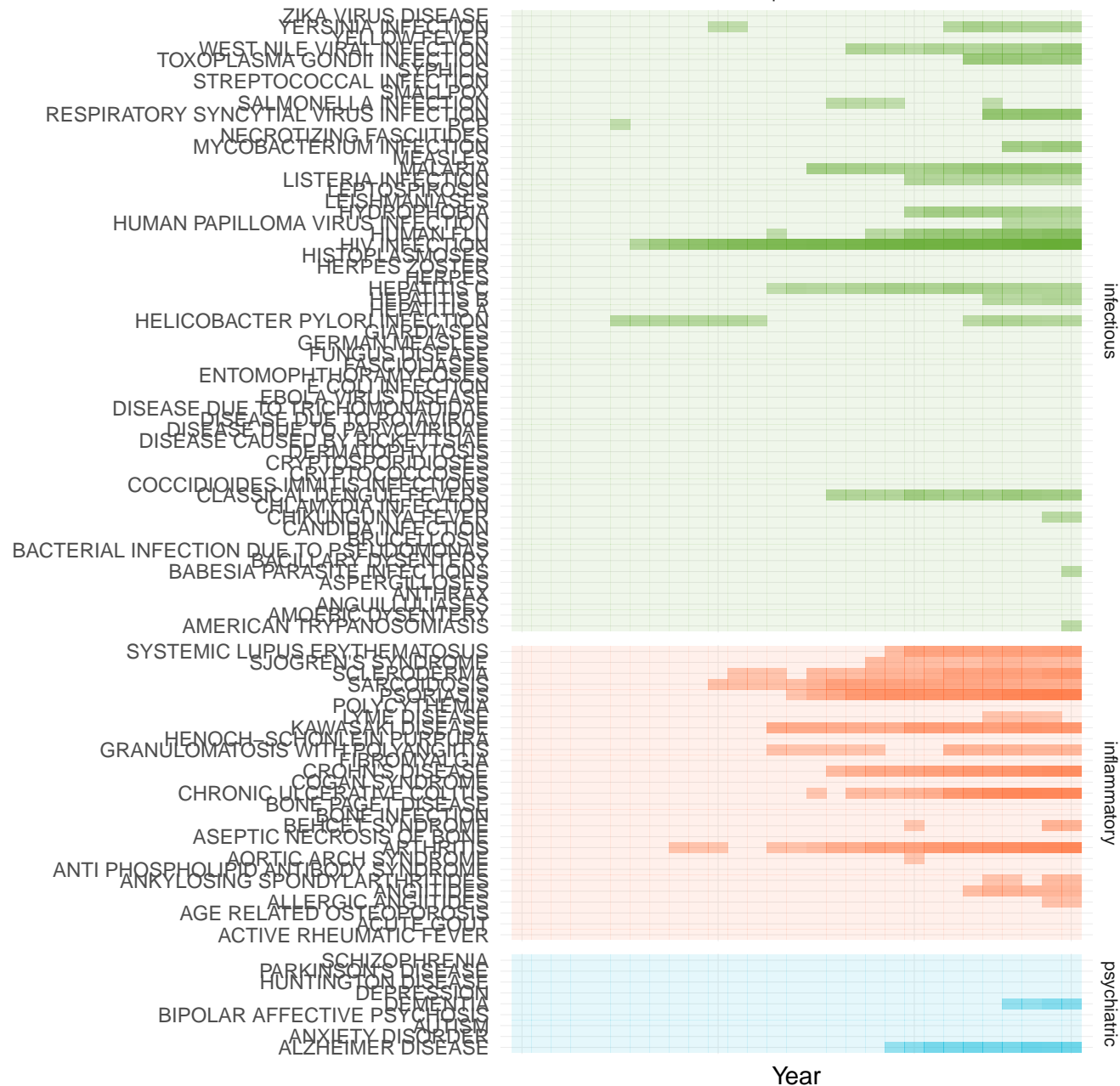
Year

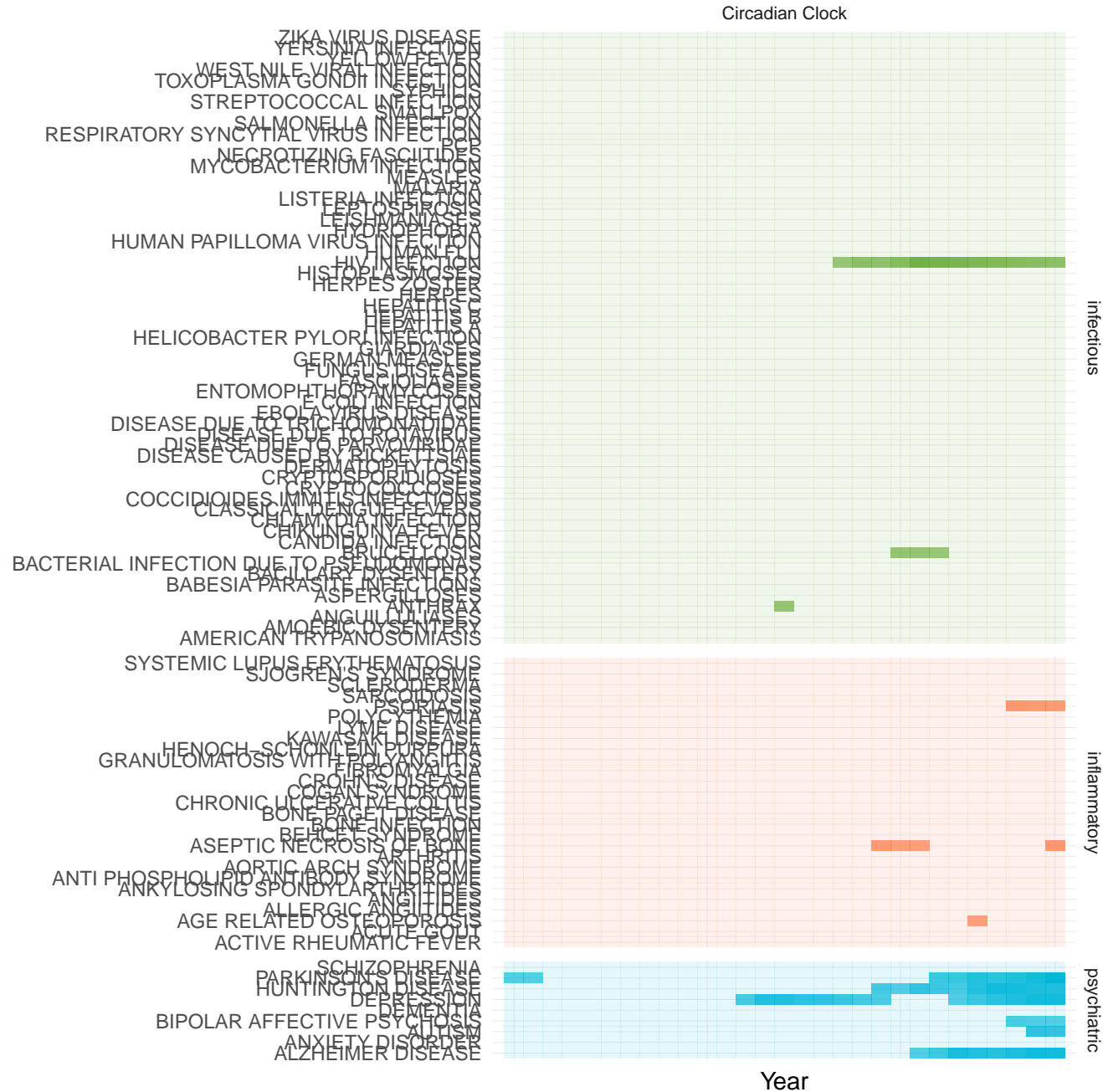


Chaperonin-mediated protein folding

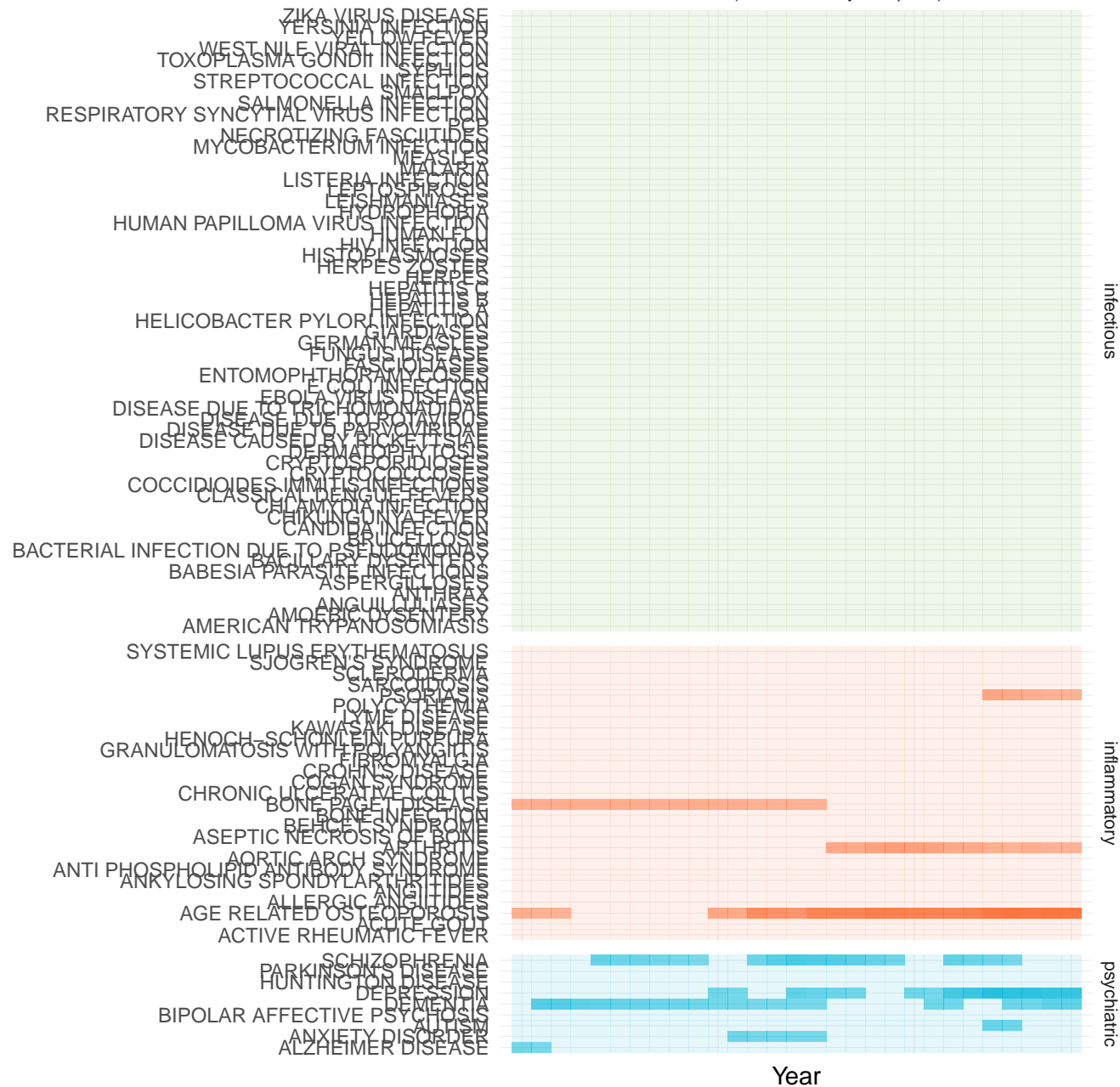


Chemokine receptors bind chemokines

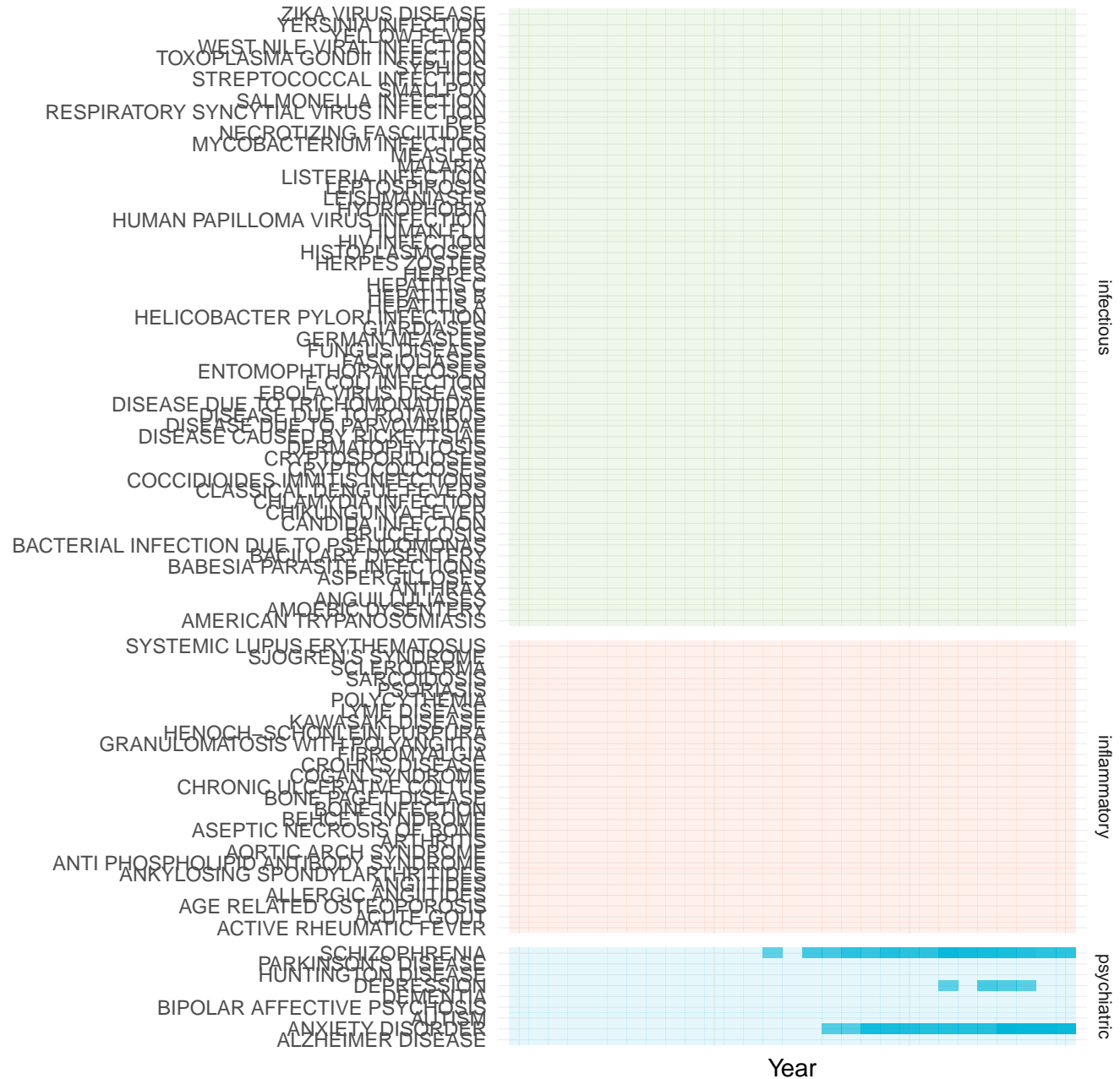




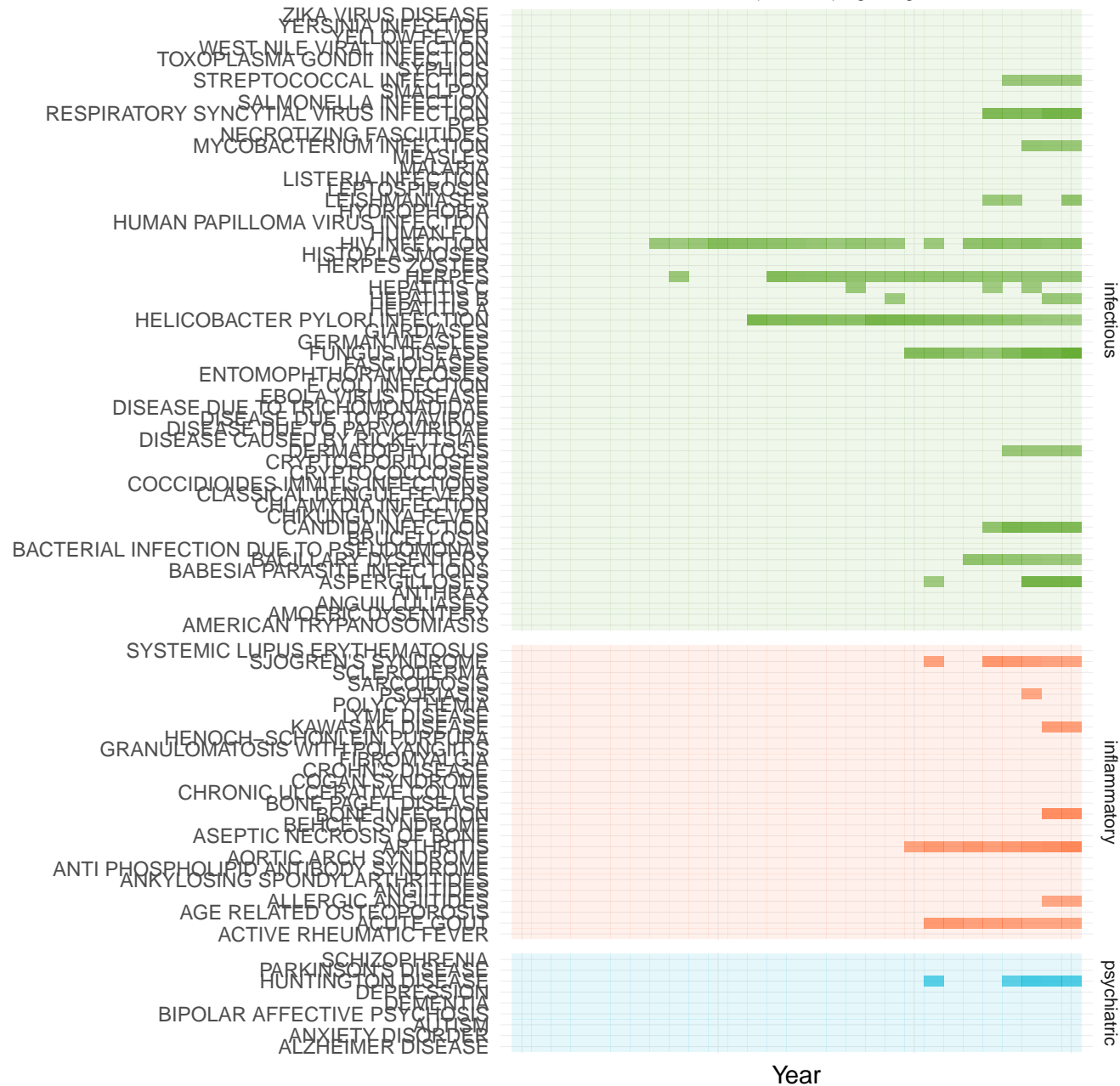
Class B/2 (Secretin family receptors)

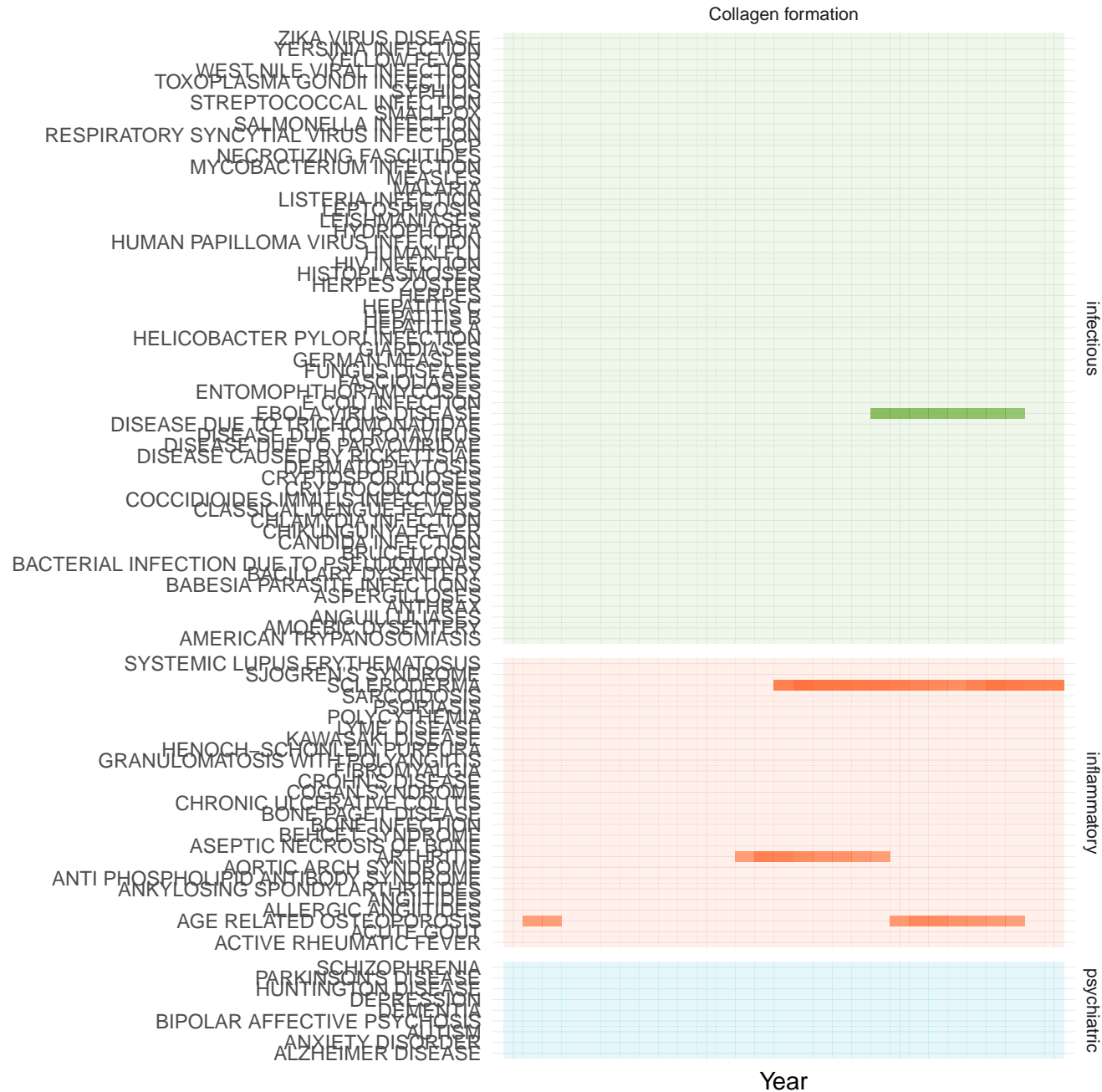


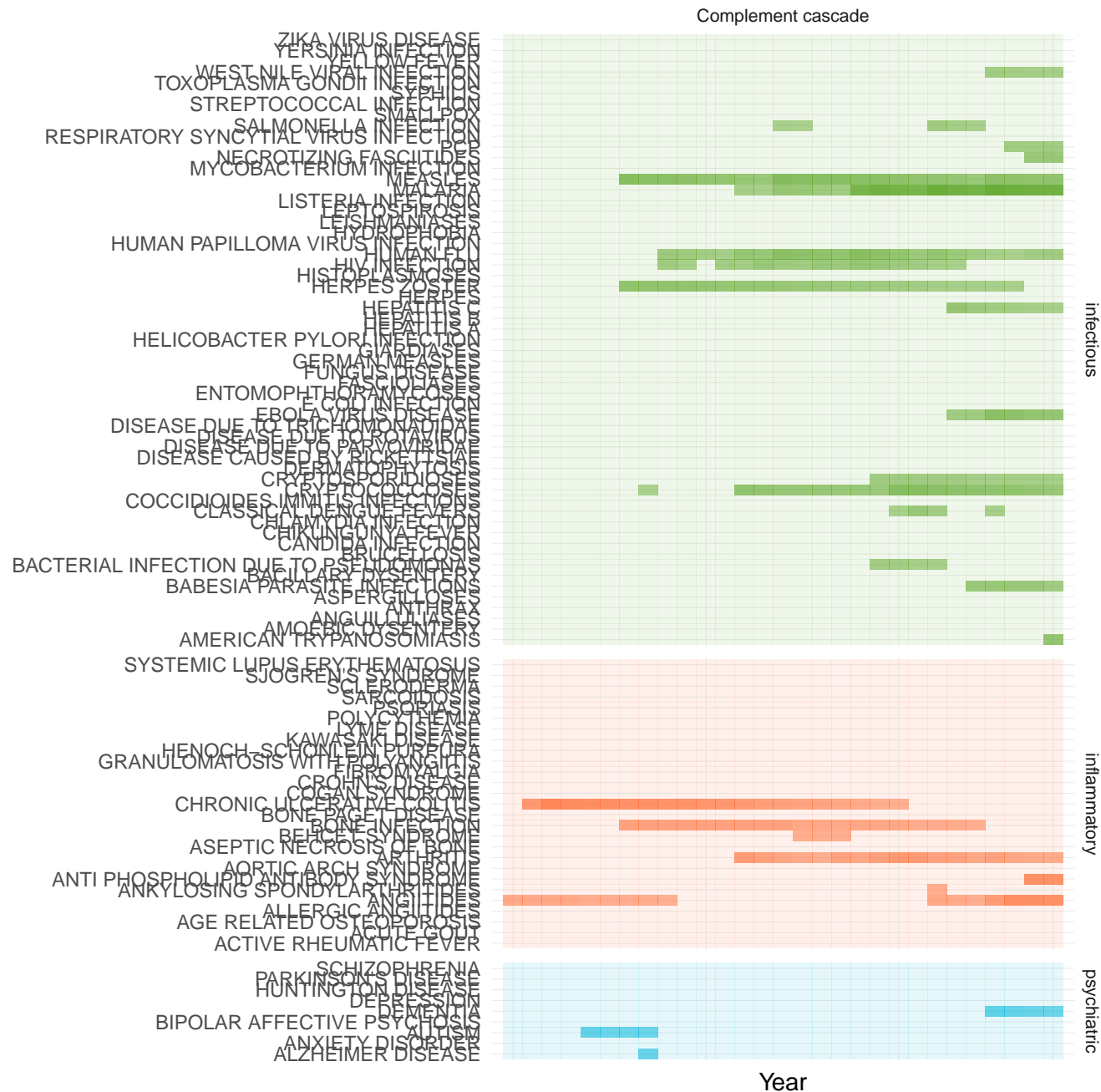
Class C/3 (Metabotropic glutamate/pheromone receptors)



CLEC7A (Dectin-1) signaling

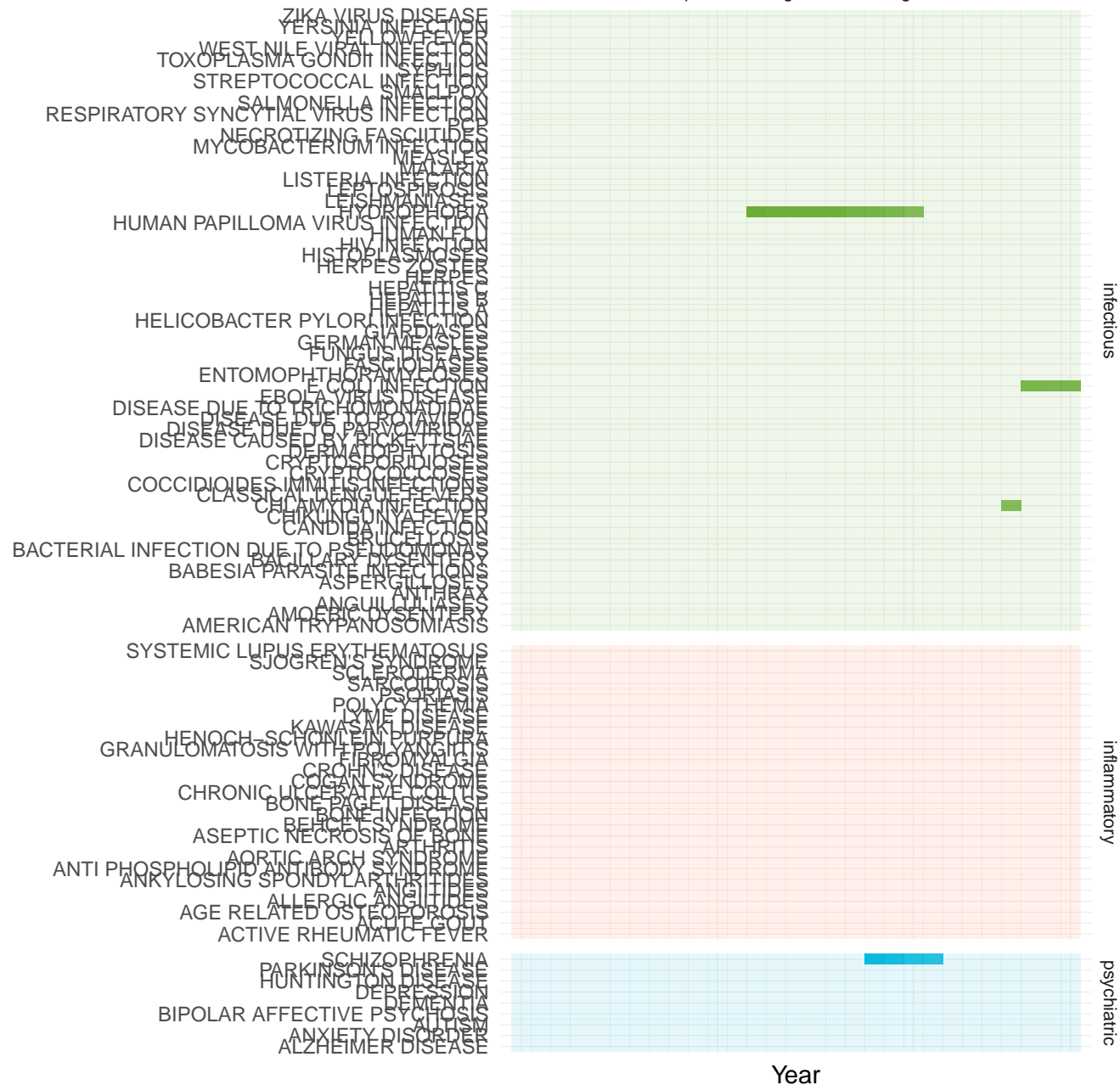






COPII (Coat Protein 2) Mediated Vesicle Transport





COPI-mediated anterograde transport

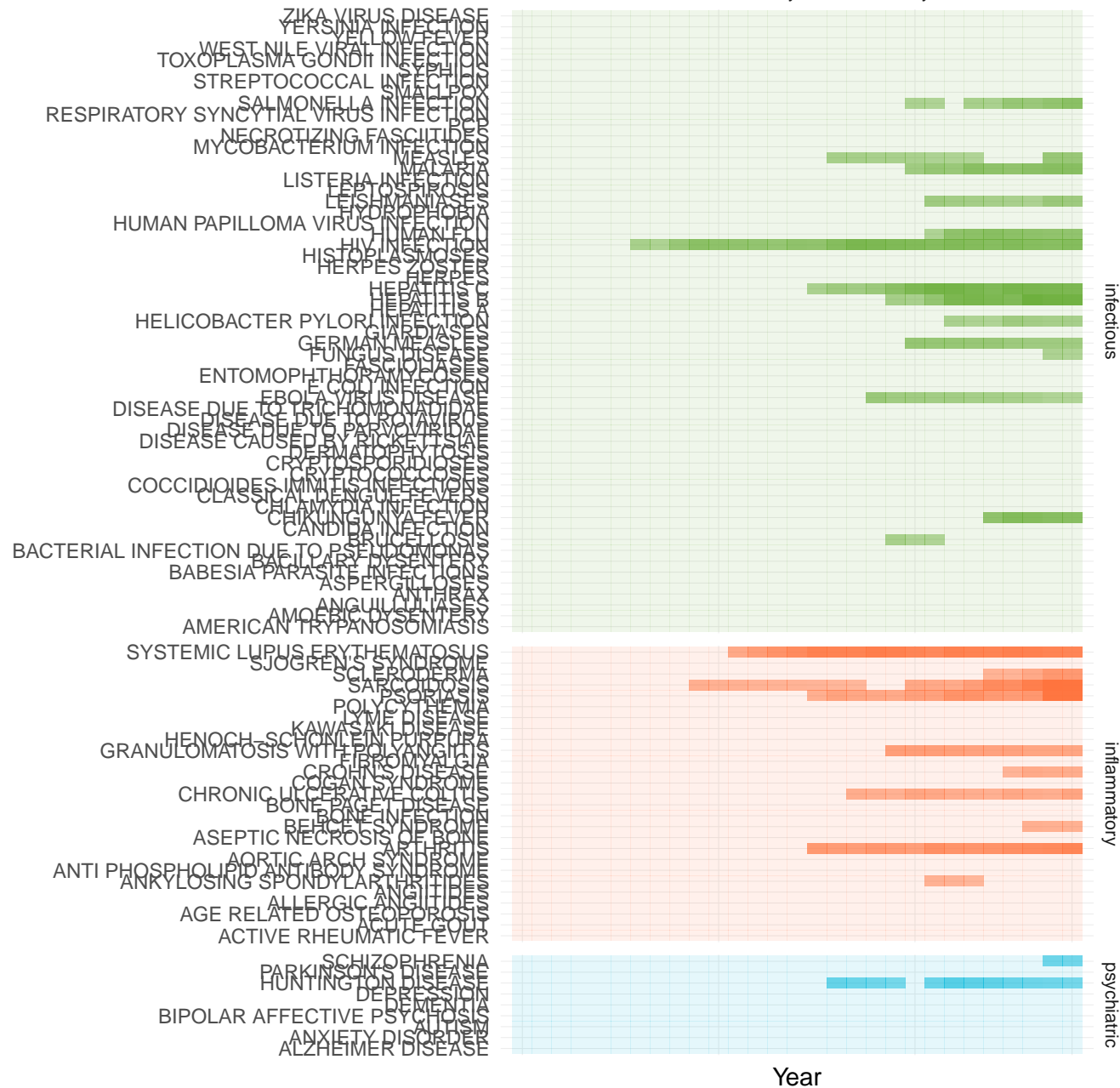
infectious

inflammatory

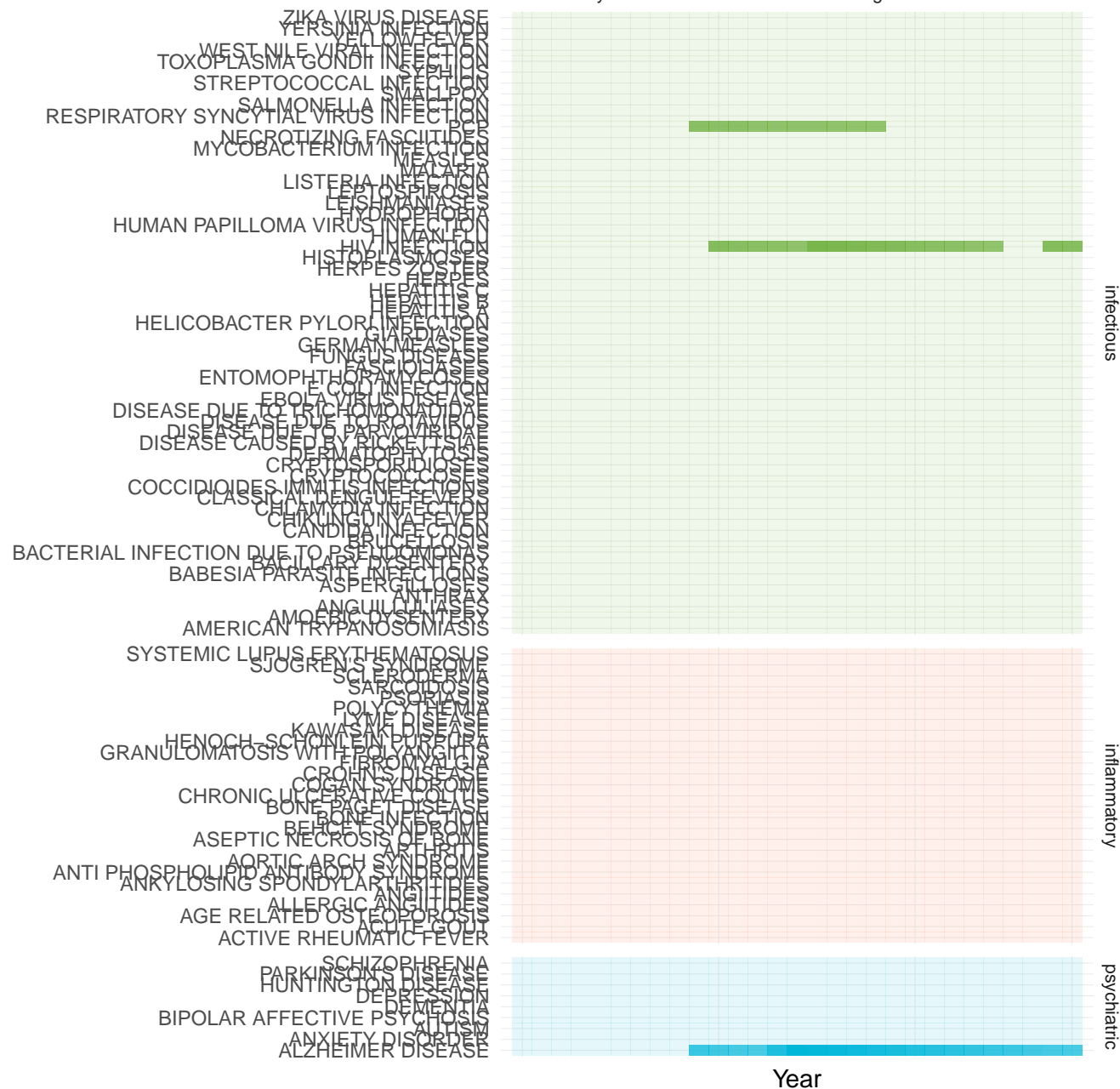
psychiatric

Year

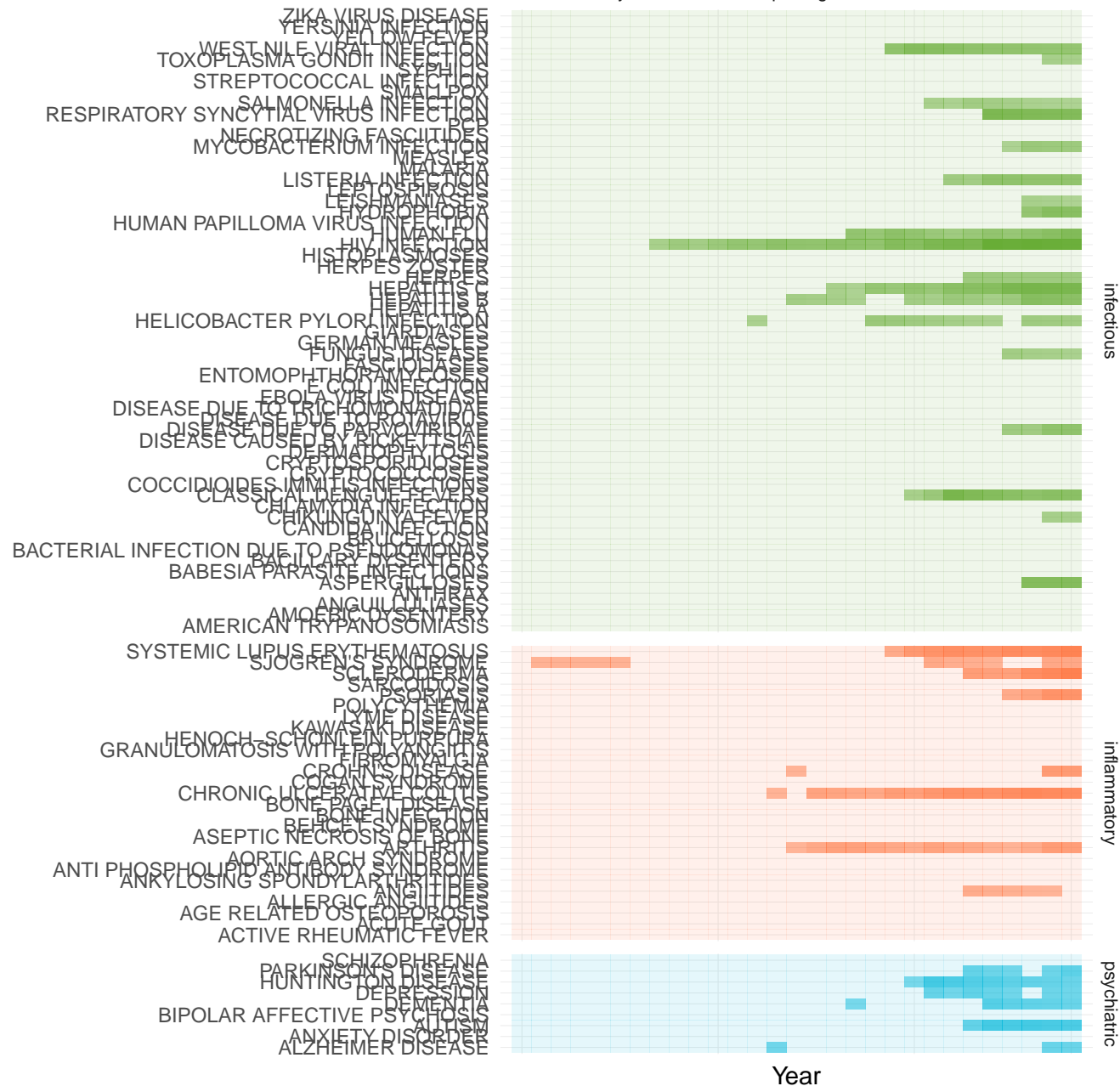
Costimulation by the CD28 family



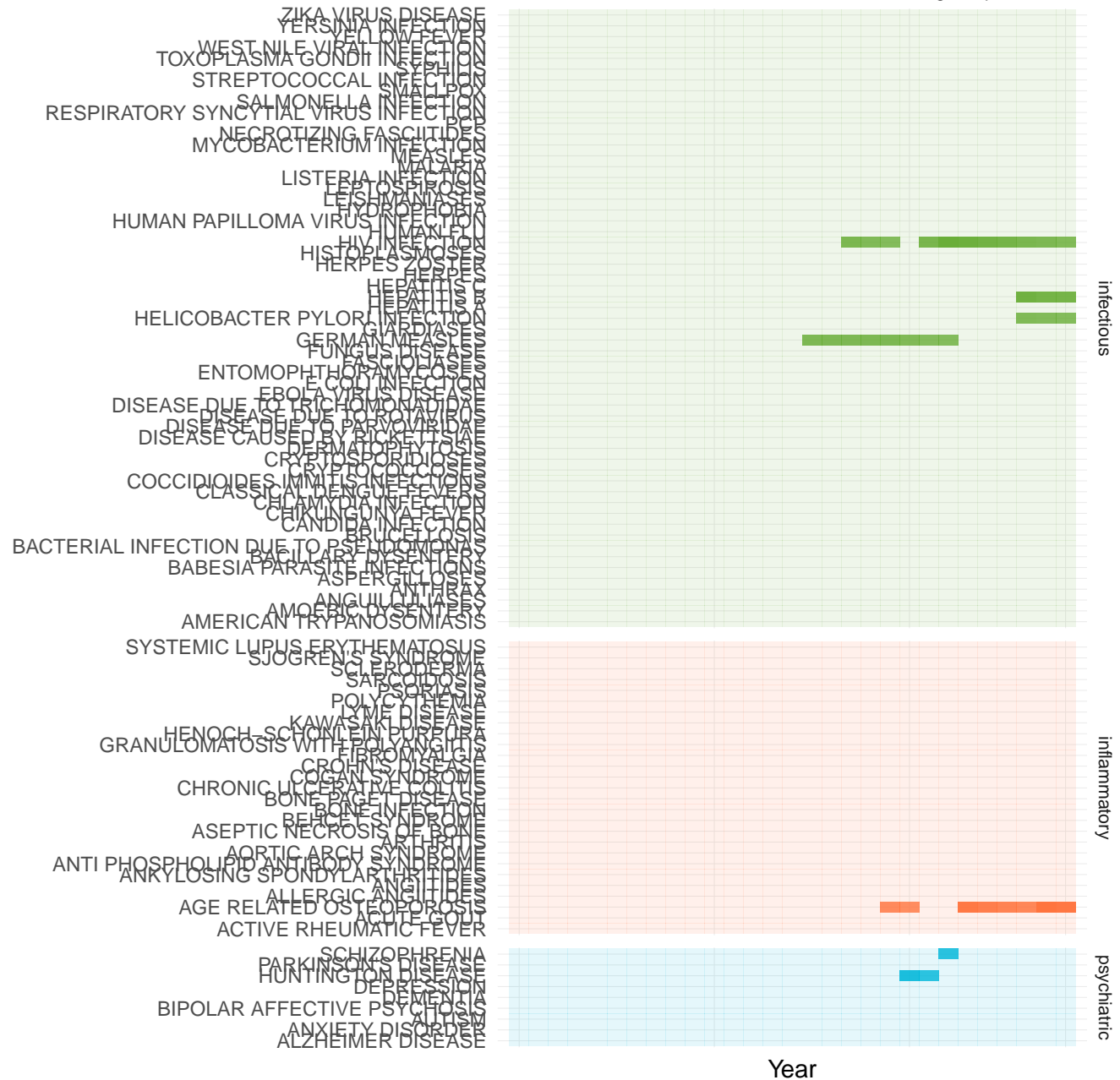
Cyclin A/B1 associated events during G2/M transition



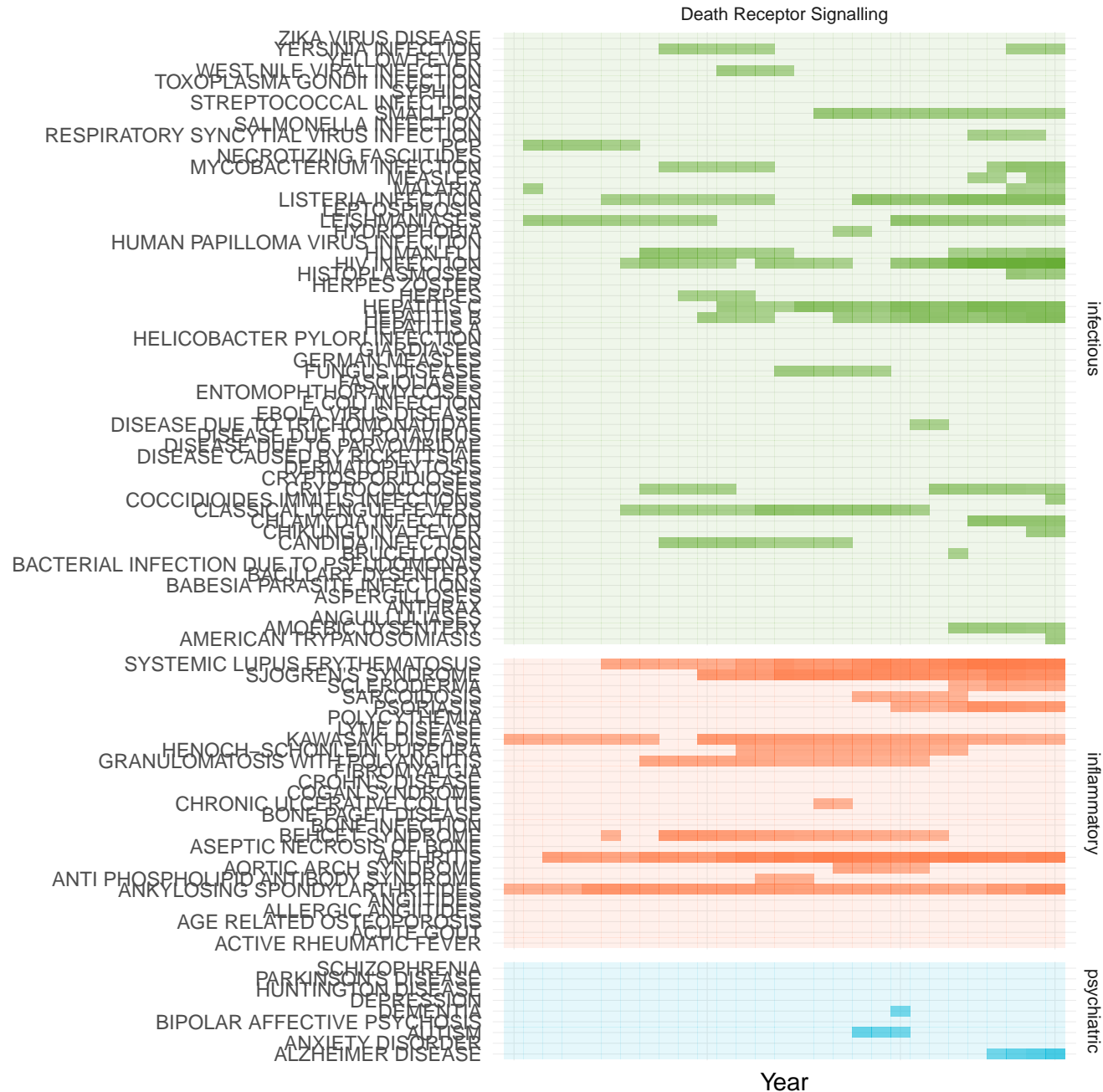
Cytosolic sensors of pathogen-associated DNA

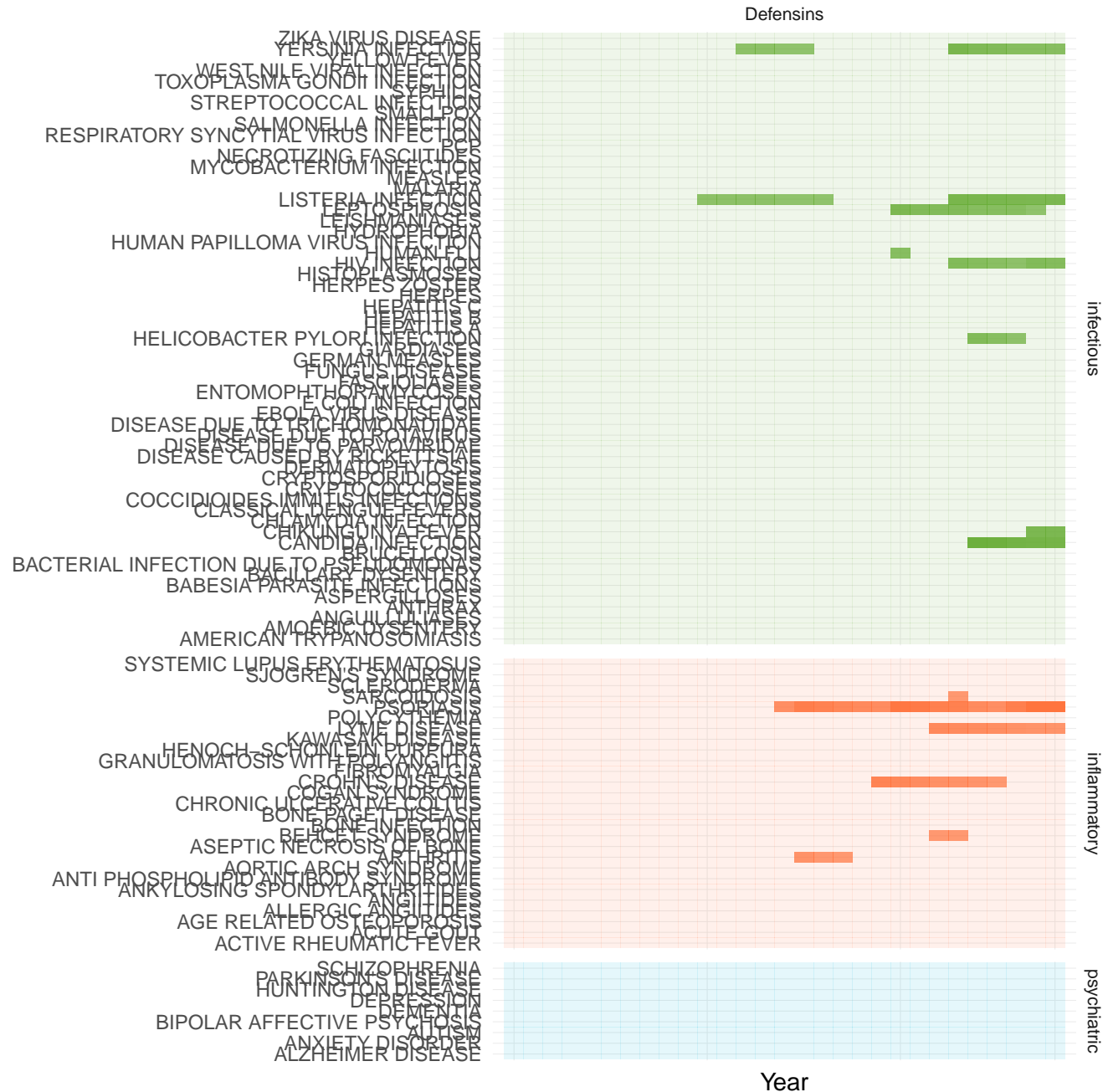


Deactivation of the beta-catenin transactivating complex

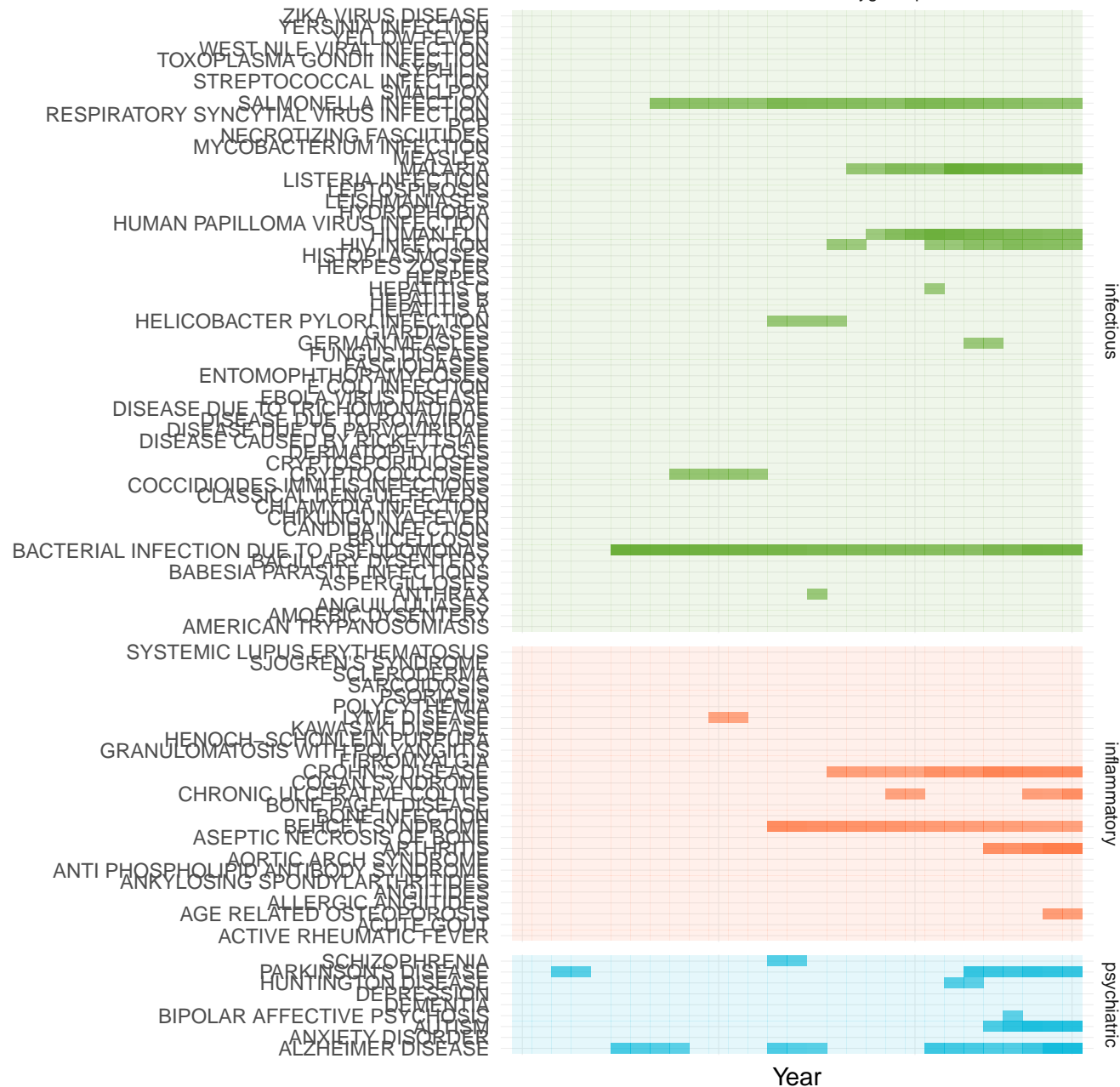




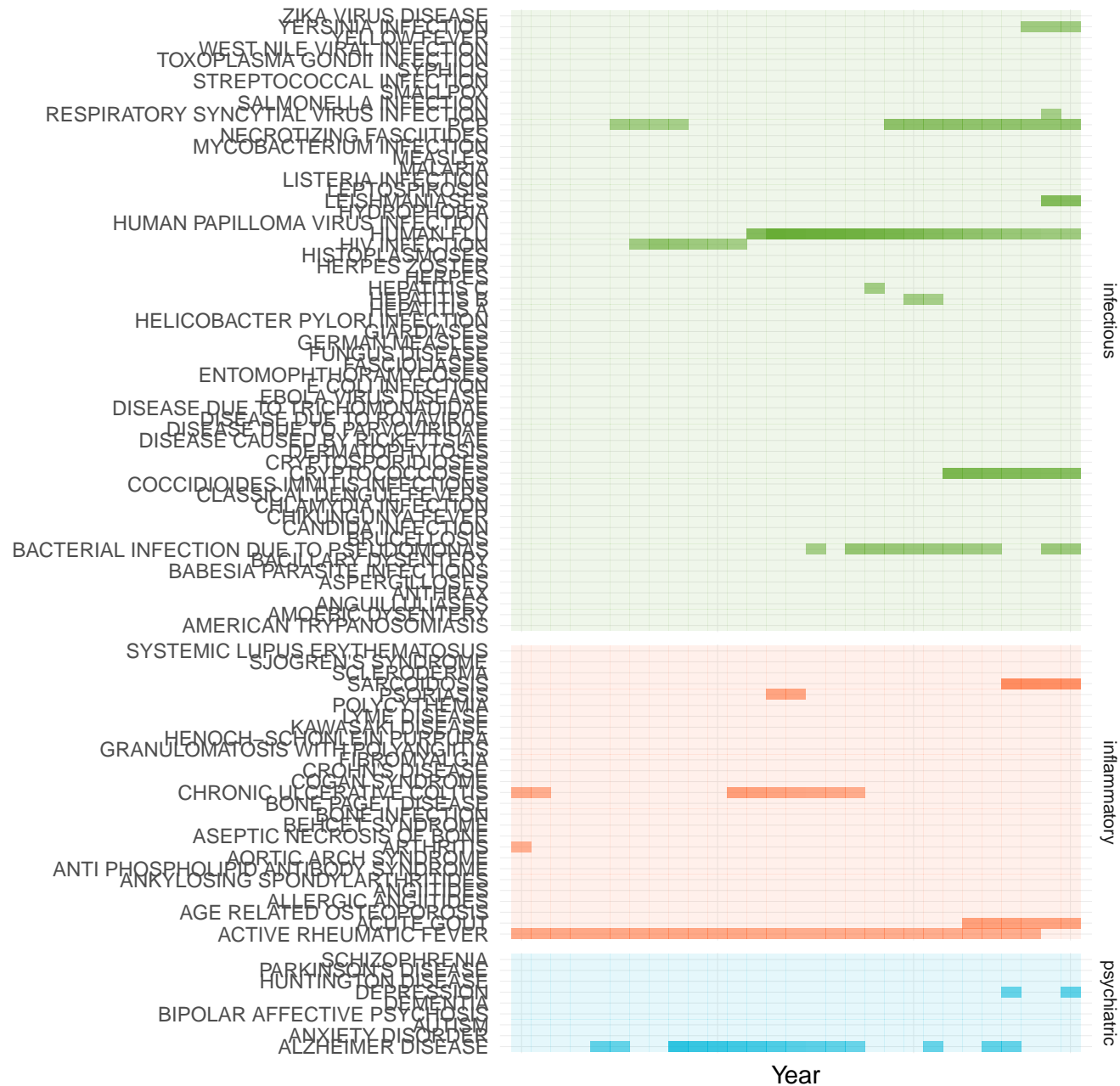


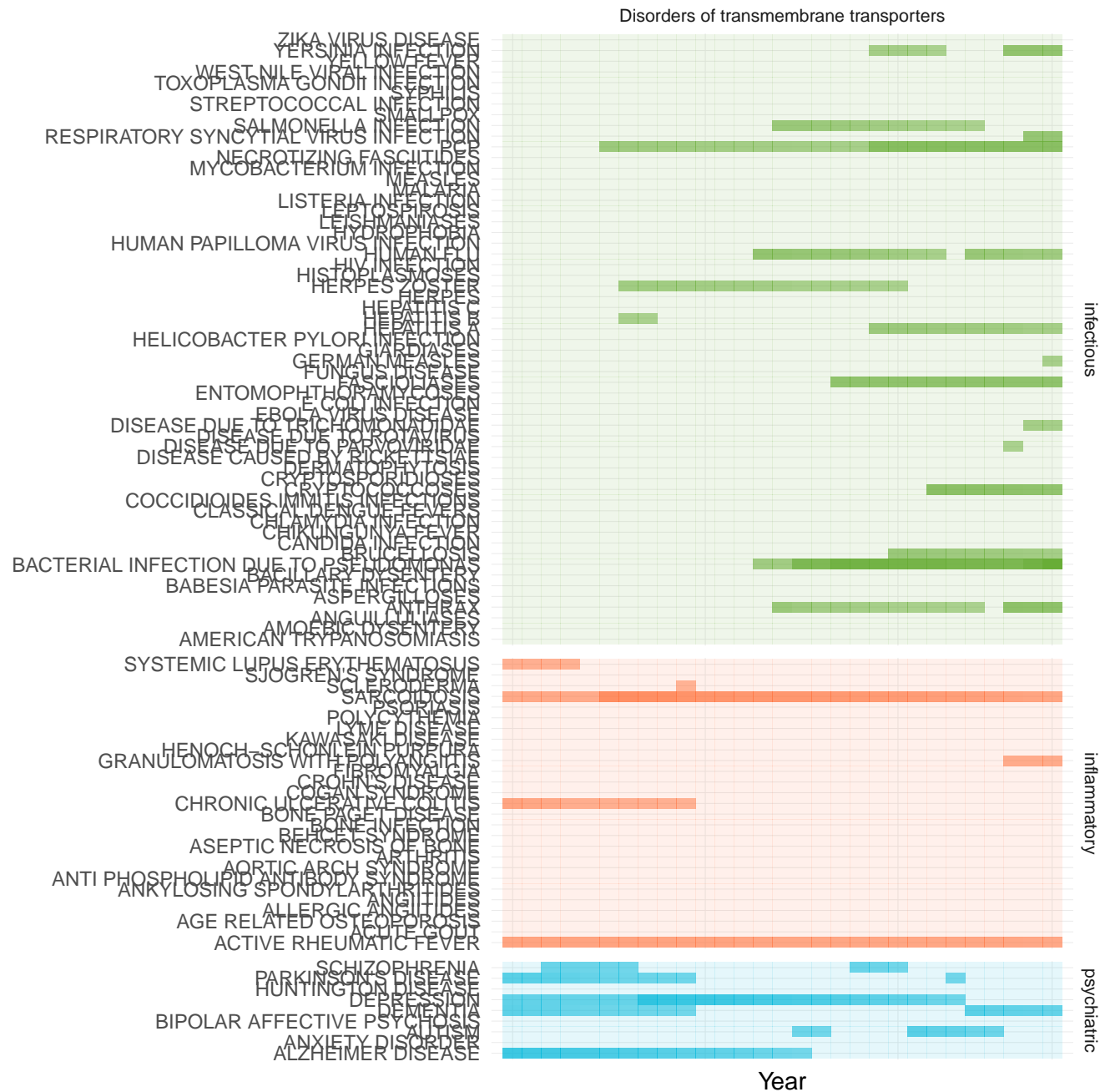


Detoxification of Reactive Oxygen Species



Diseases of metabolism



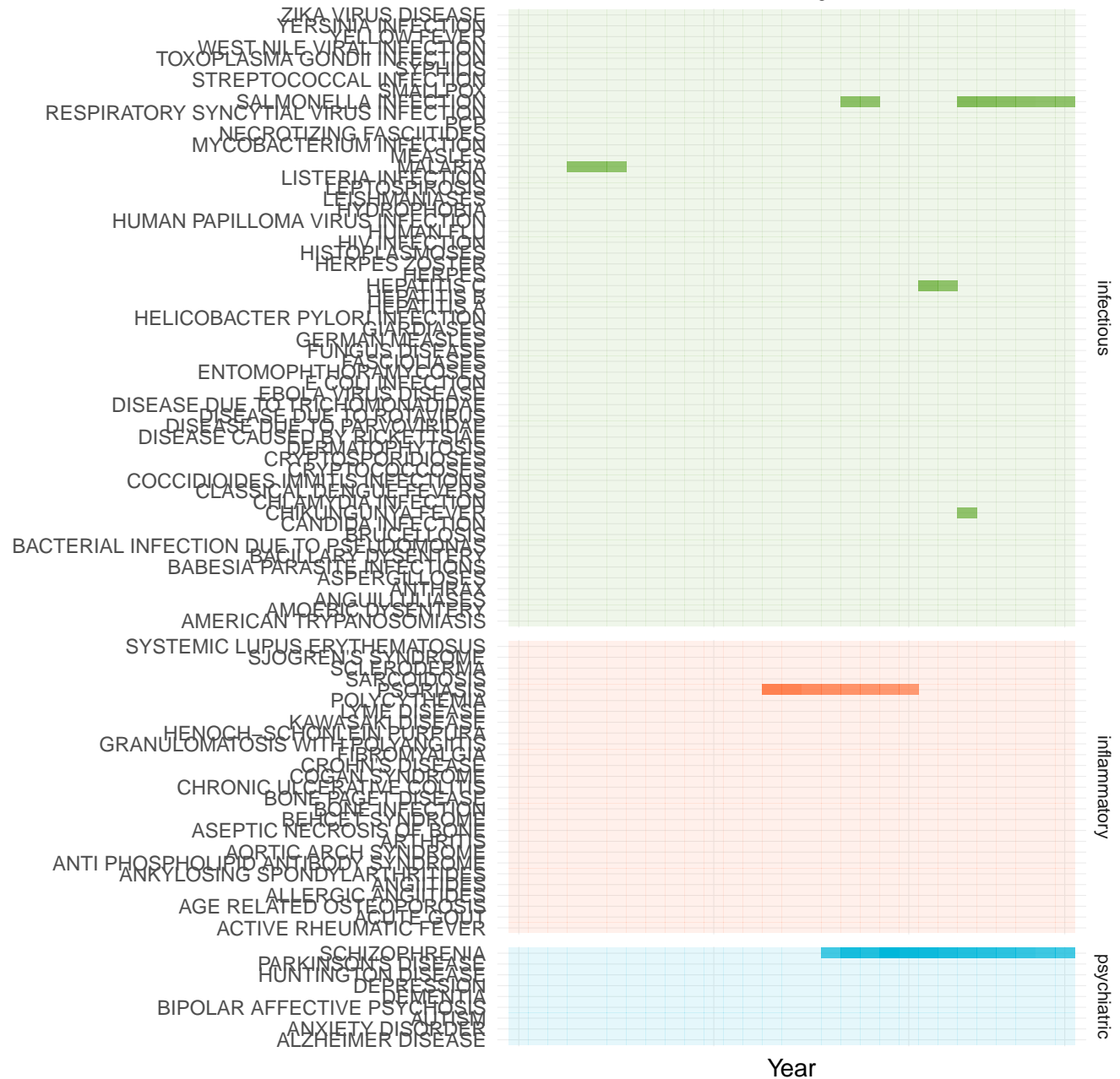




Effects of PIP2 hydrolysis



EGFR downregulation

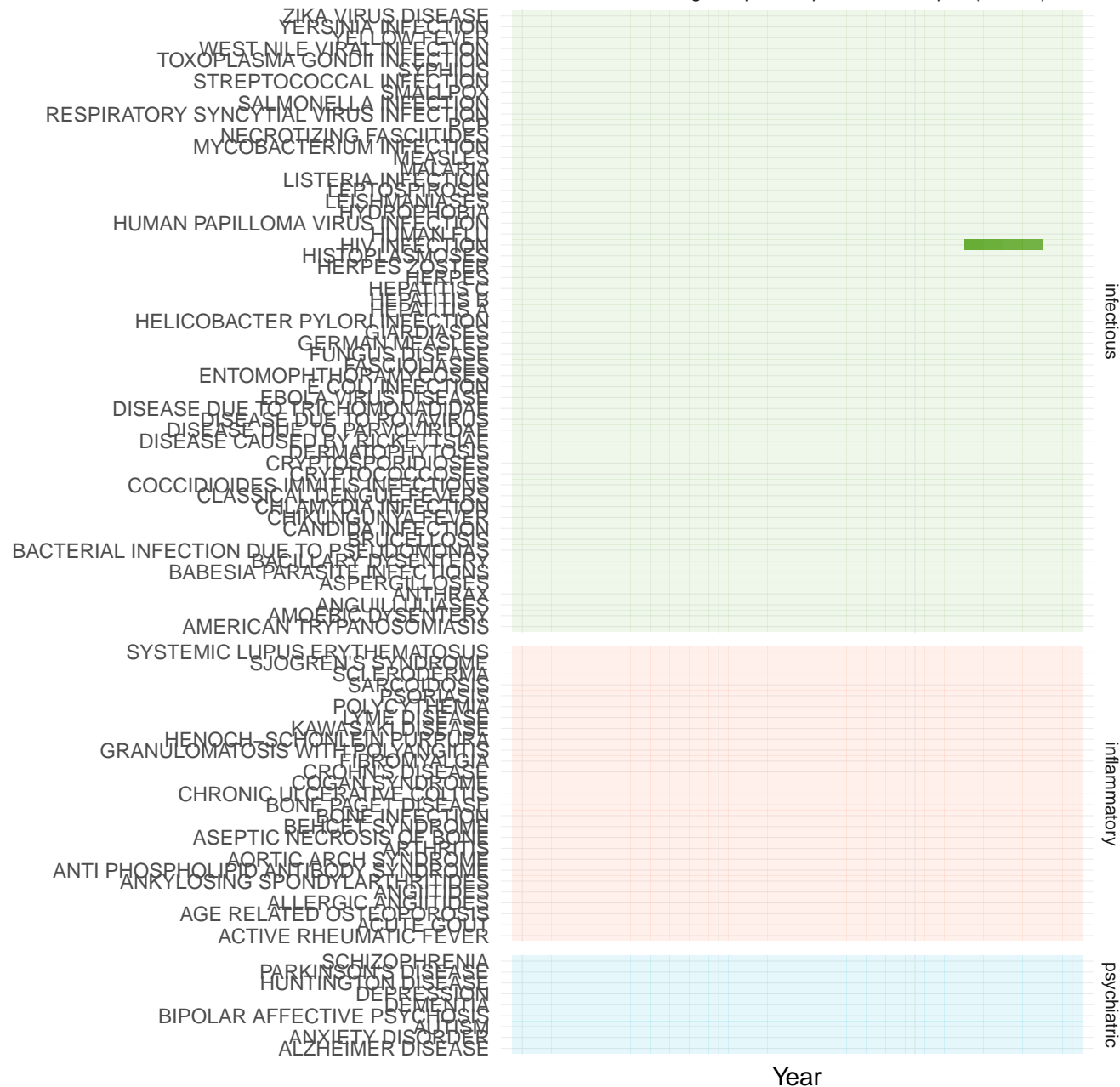


Eicosanoid ligand-binding receptors

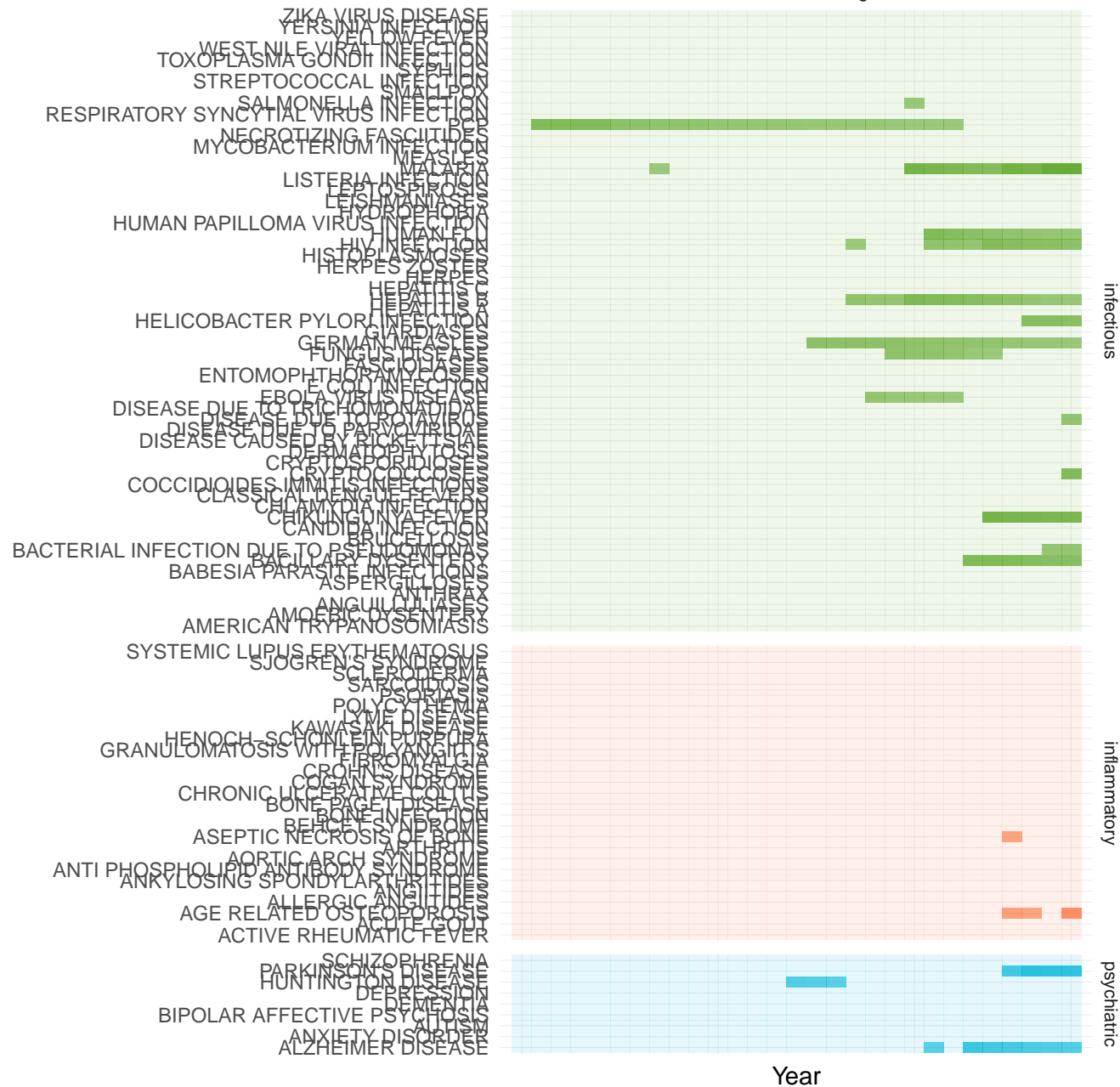


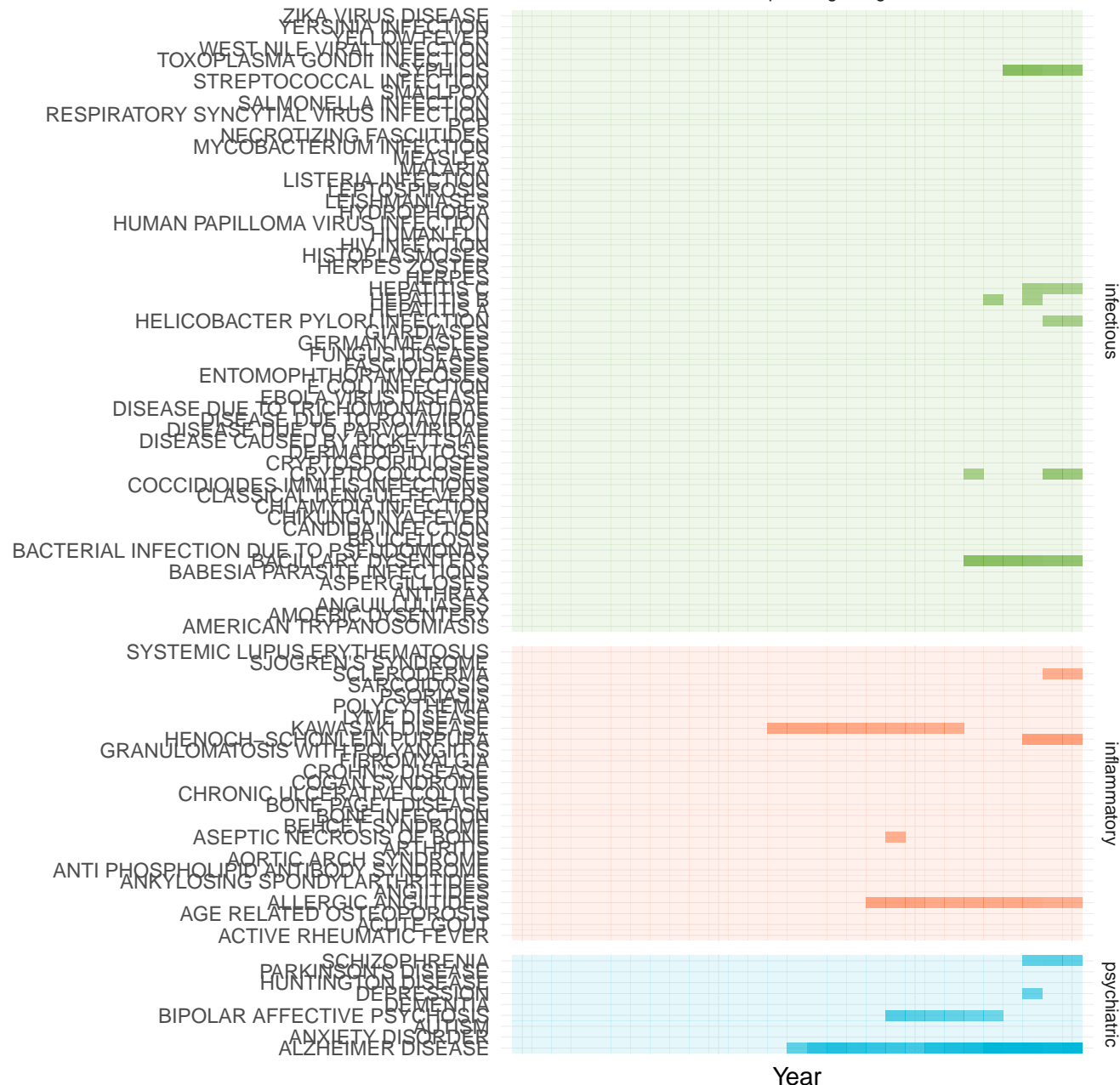


Endosomal Sorting Complex Required For Transport (ESCRT)



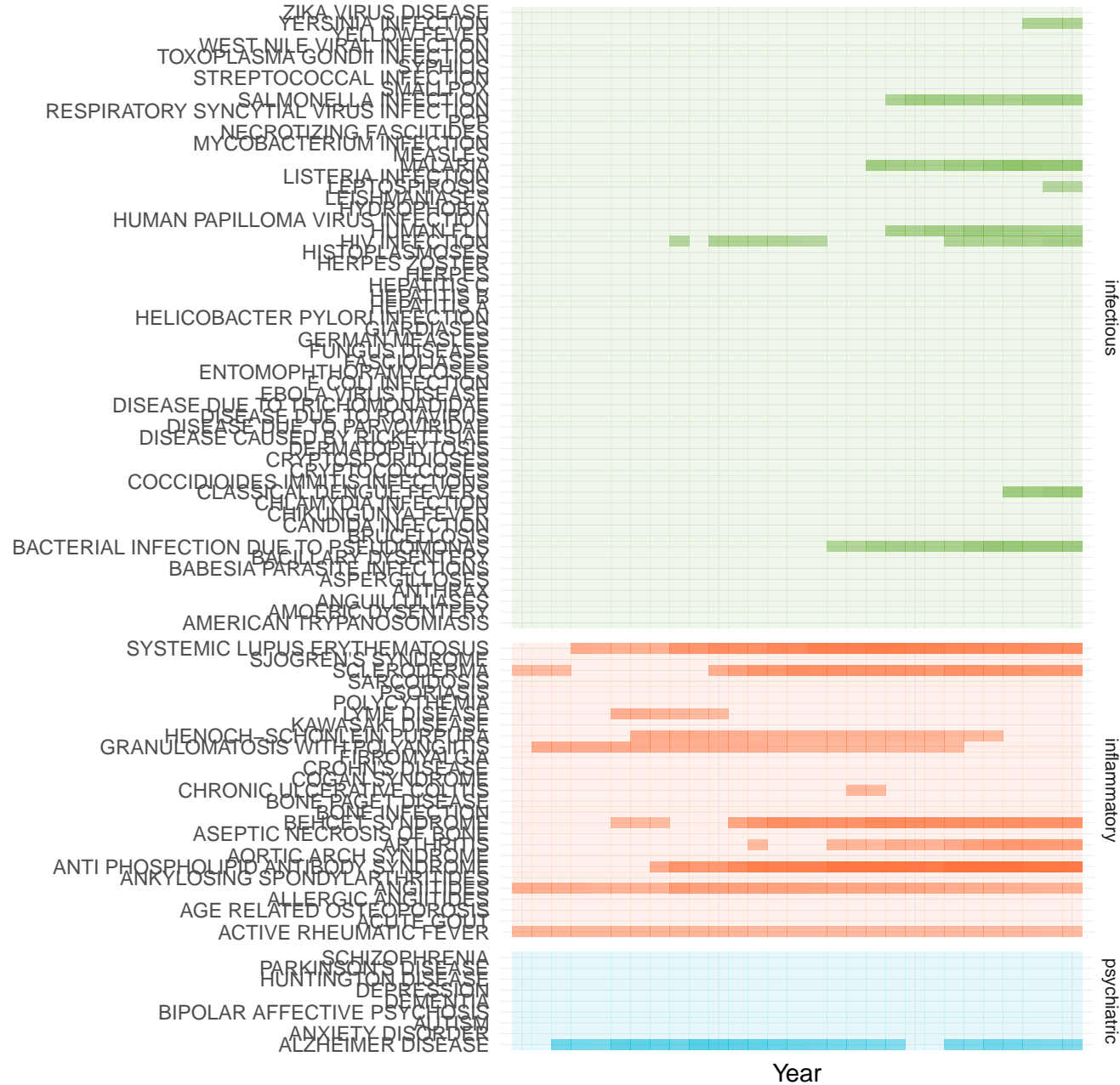
eNOS activation and regulation

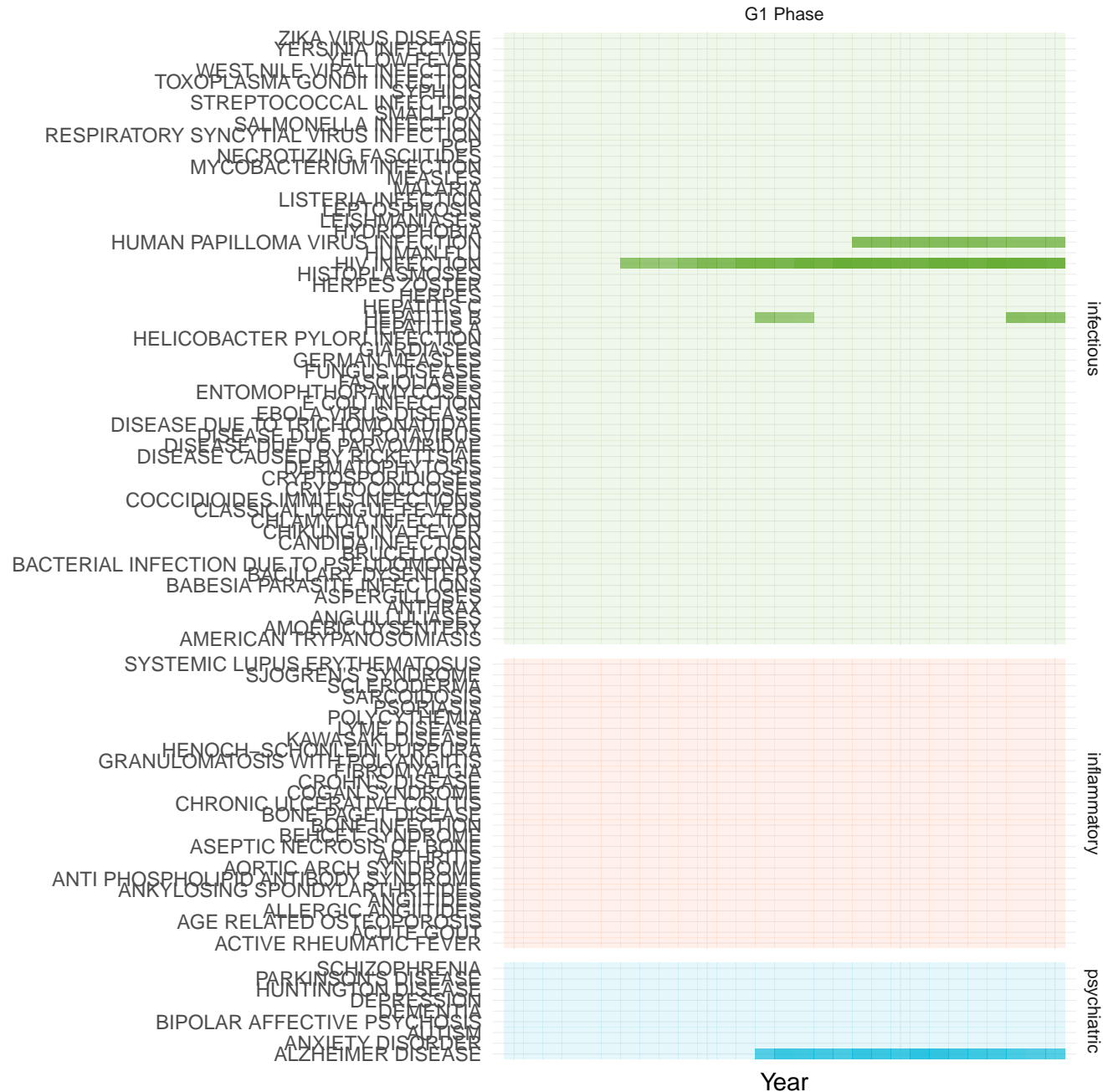






Formation of Fibrin Clot (Clotting Cascade)





GABA receptor activation

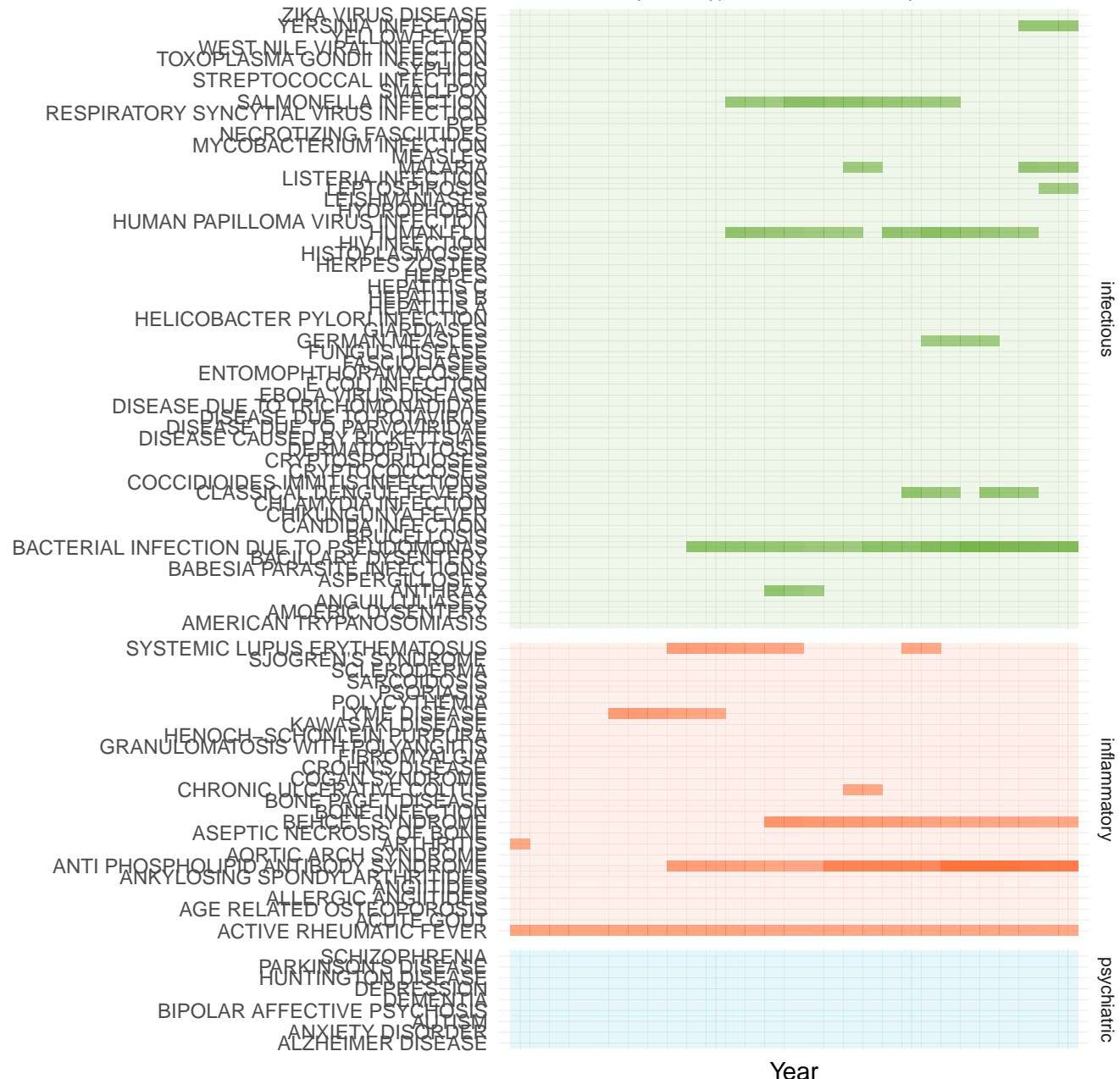
infectious

inflammatory

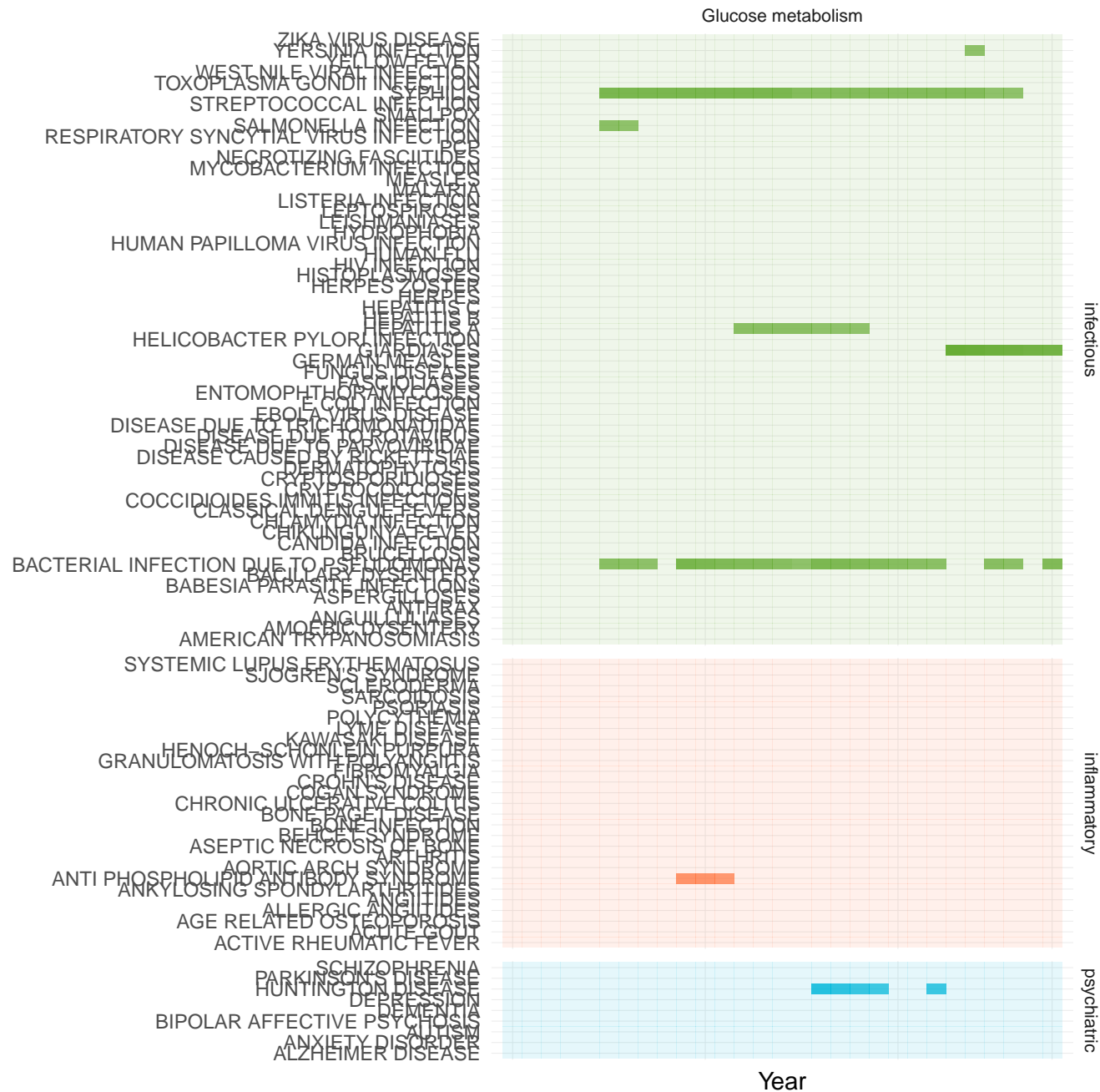
psychiatric

Year

Gamma carboxylation, hypusine formation and arylsulfatase activation



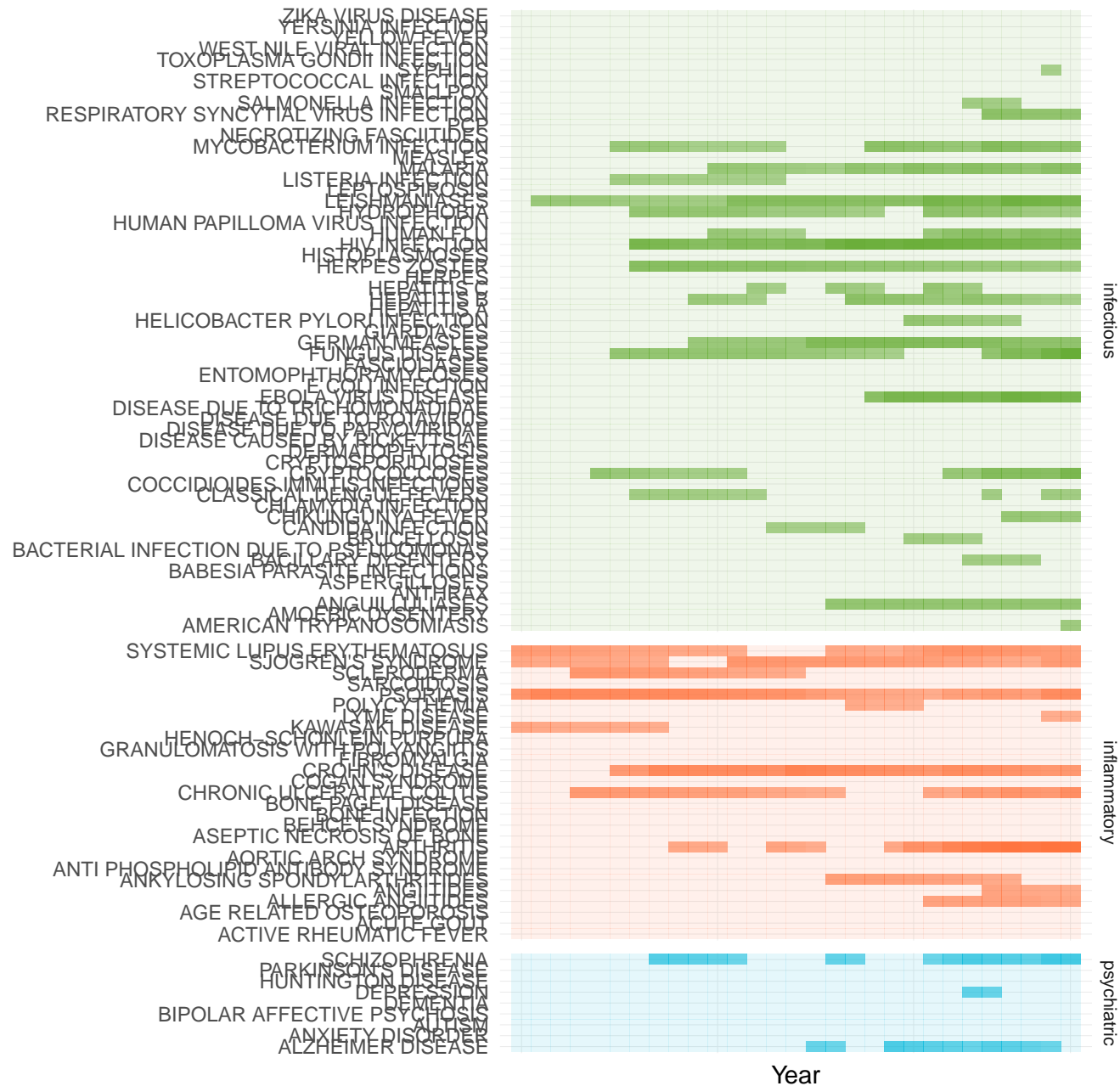




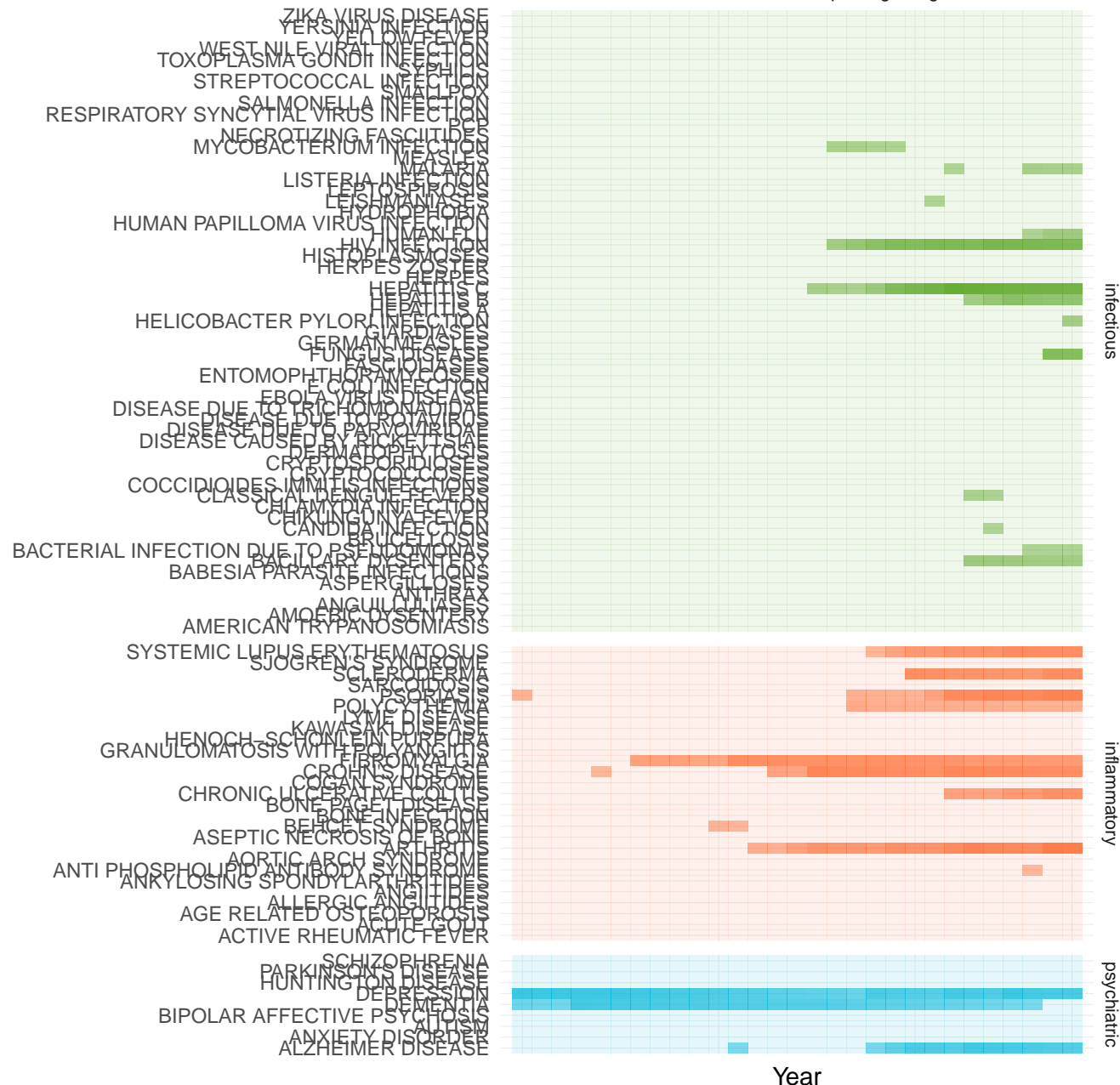
Glyoxylate metabolism and glycine degradation



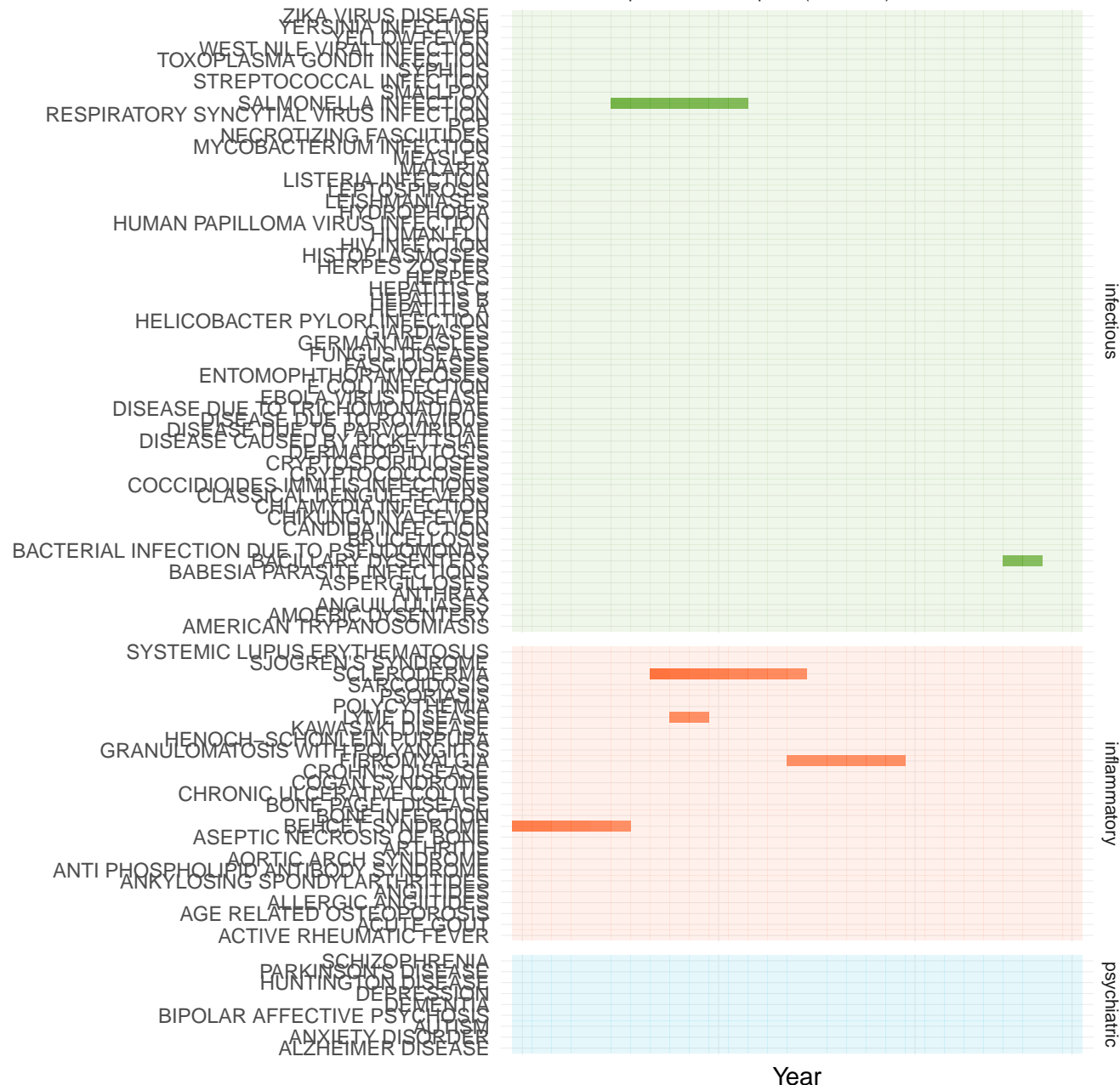
GPVI-mediated activation cascade



Growth hormone receptor signaling

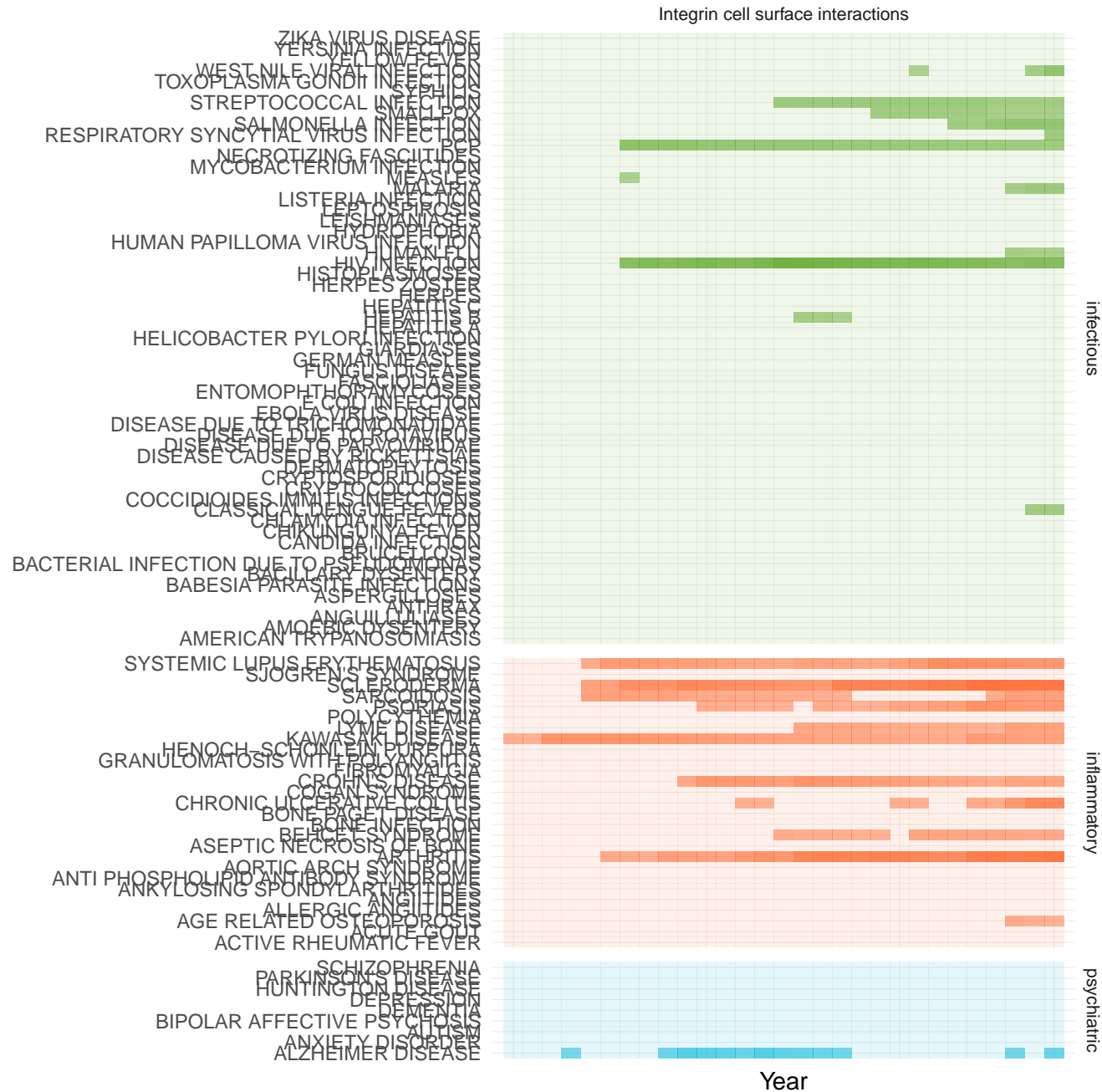


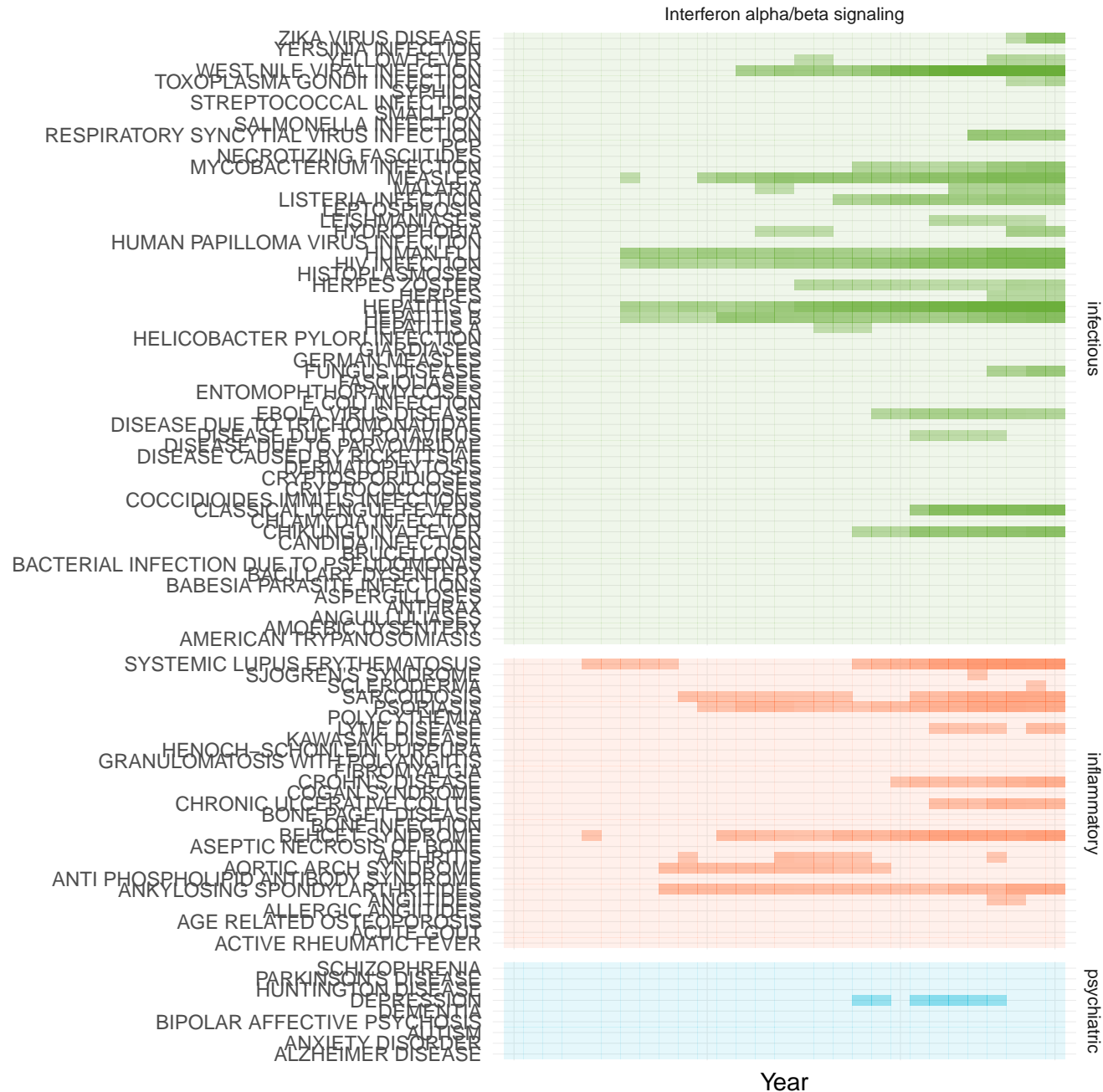
Heparan sulfate/heparin (HS-GAG) metabolism

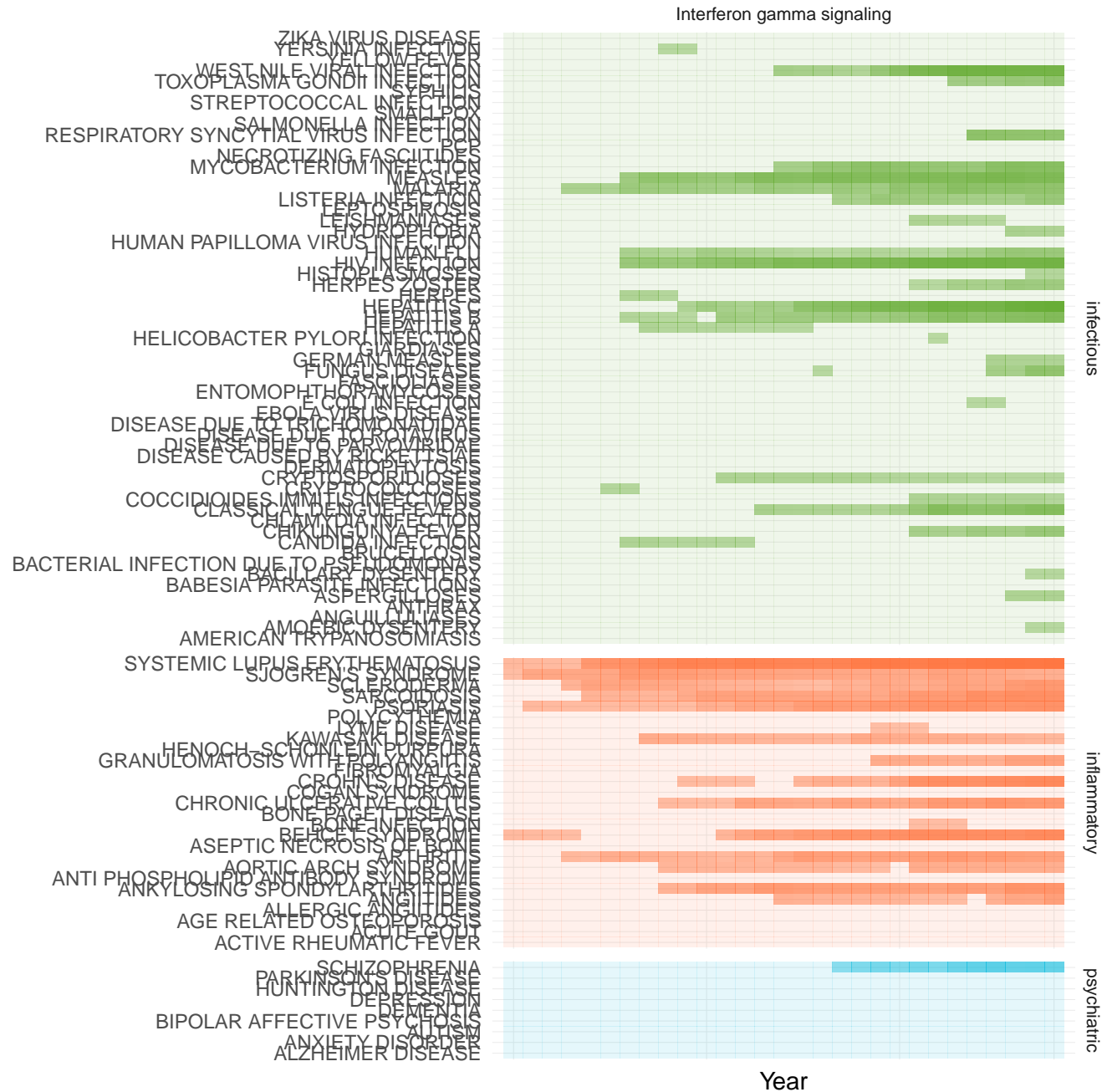


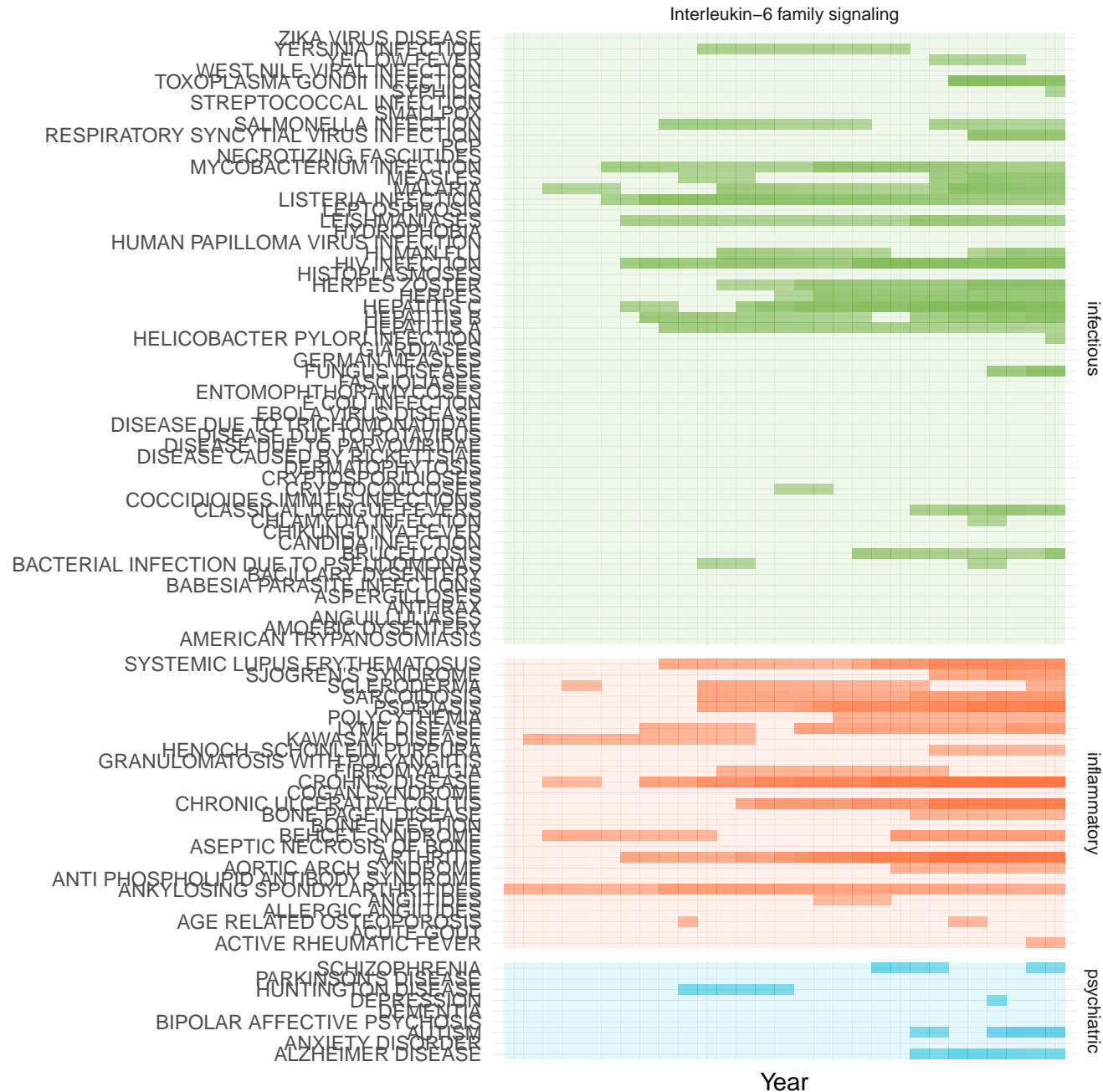






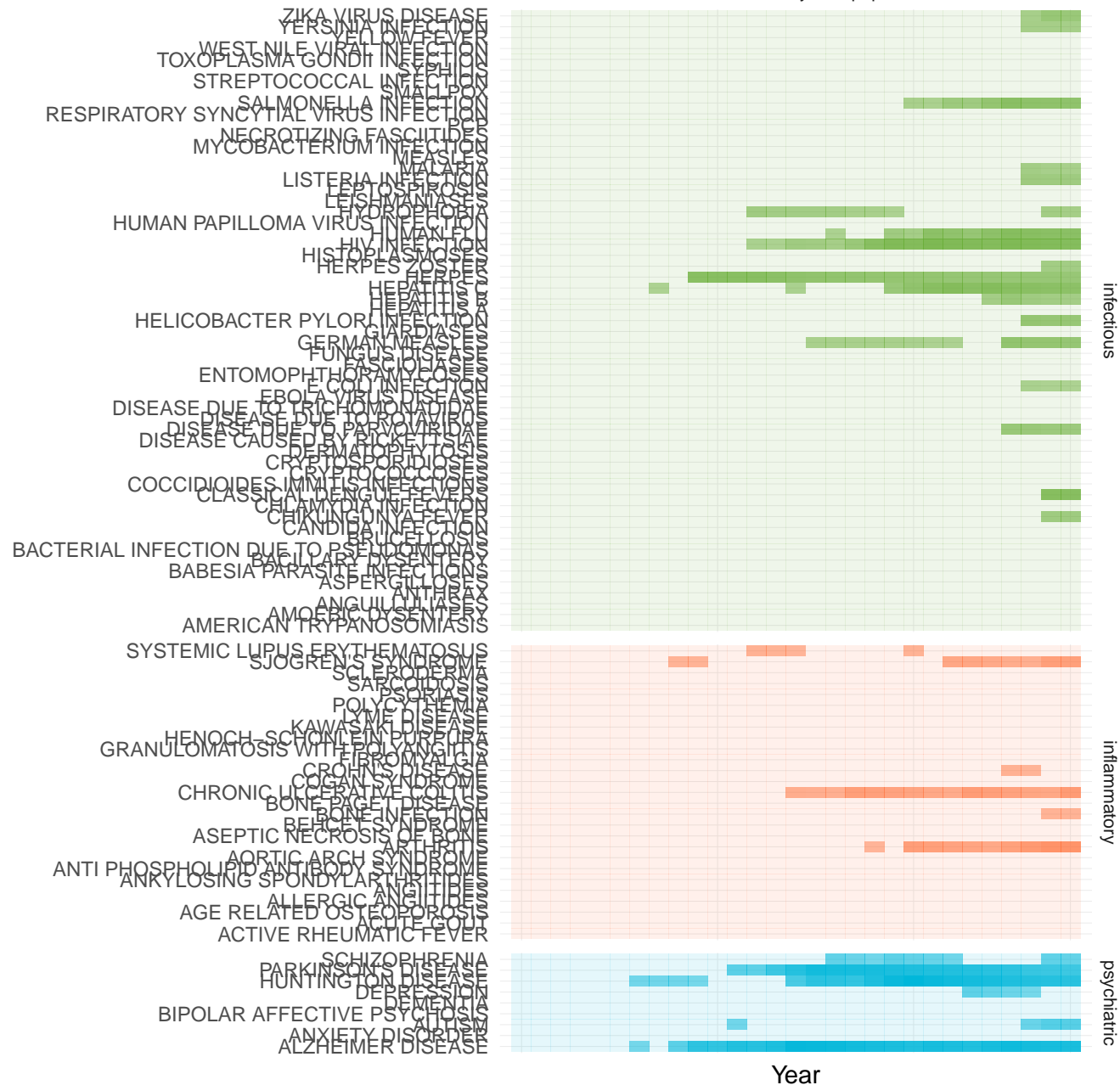


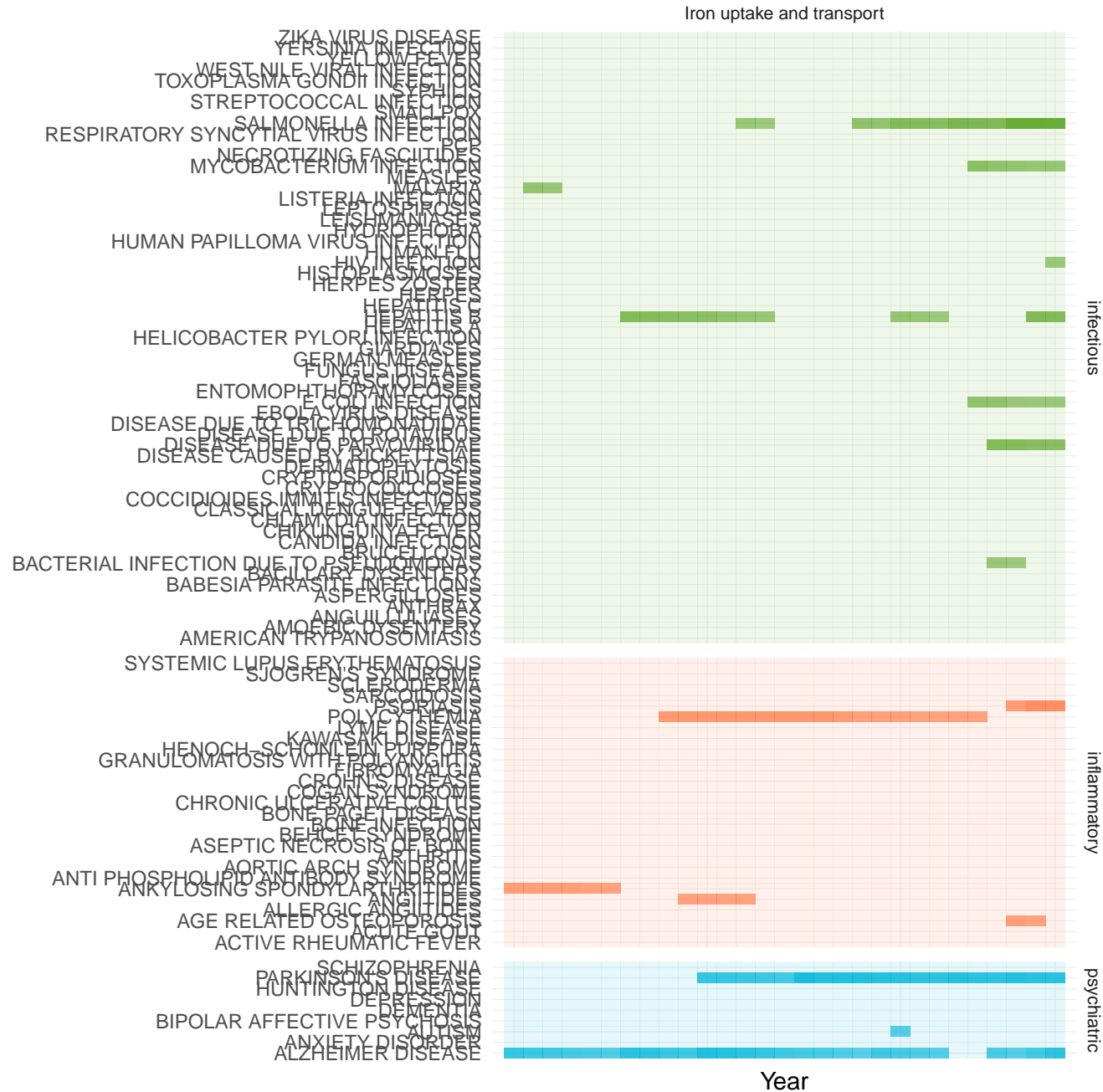




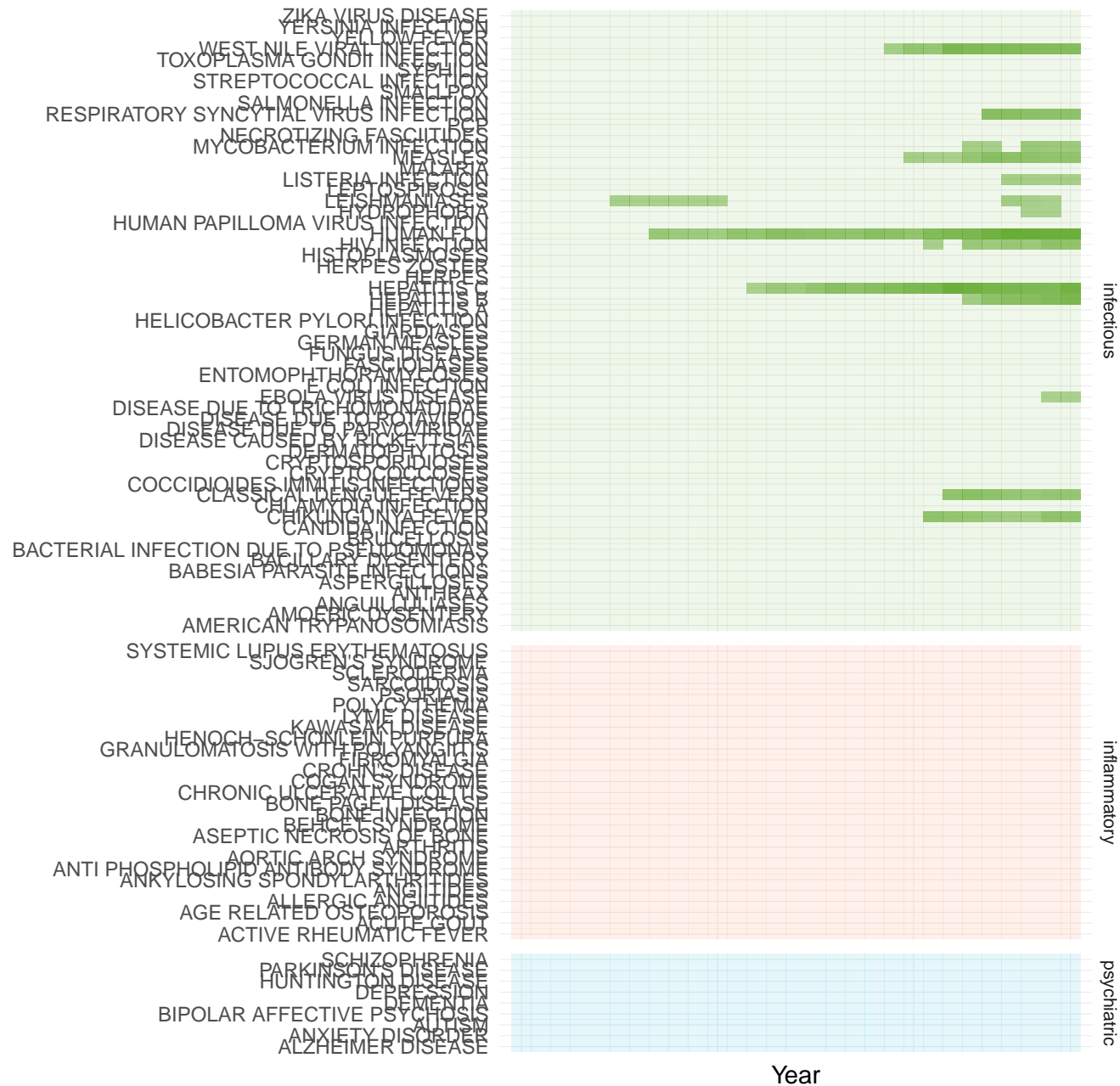


Intrinsic Pathway for Apoptosis





ISG15 antiviral mechanism



Keratan sulfate/keratin metabolism

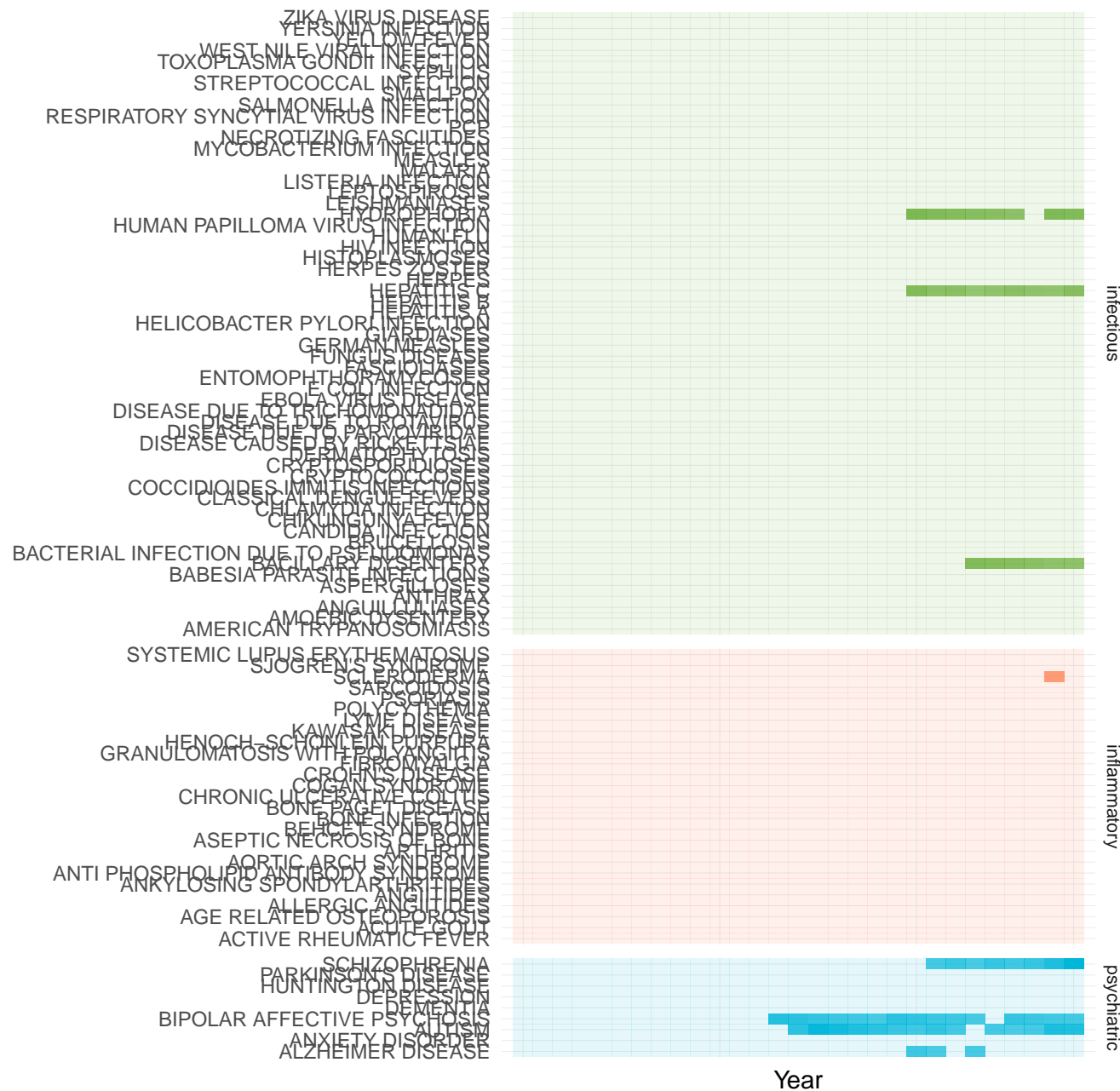
infectious

inflammatory

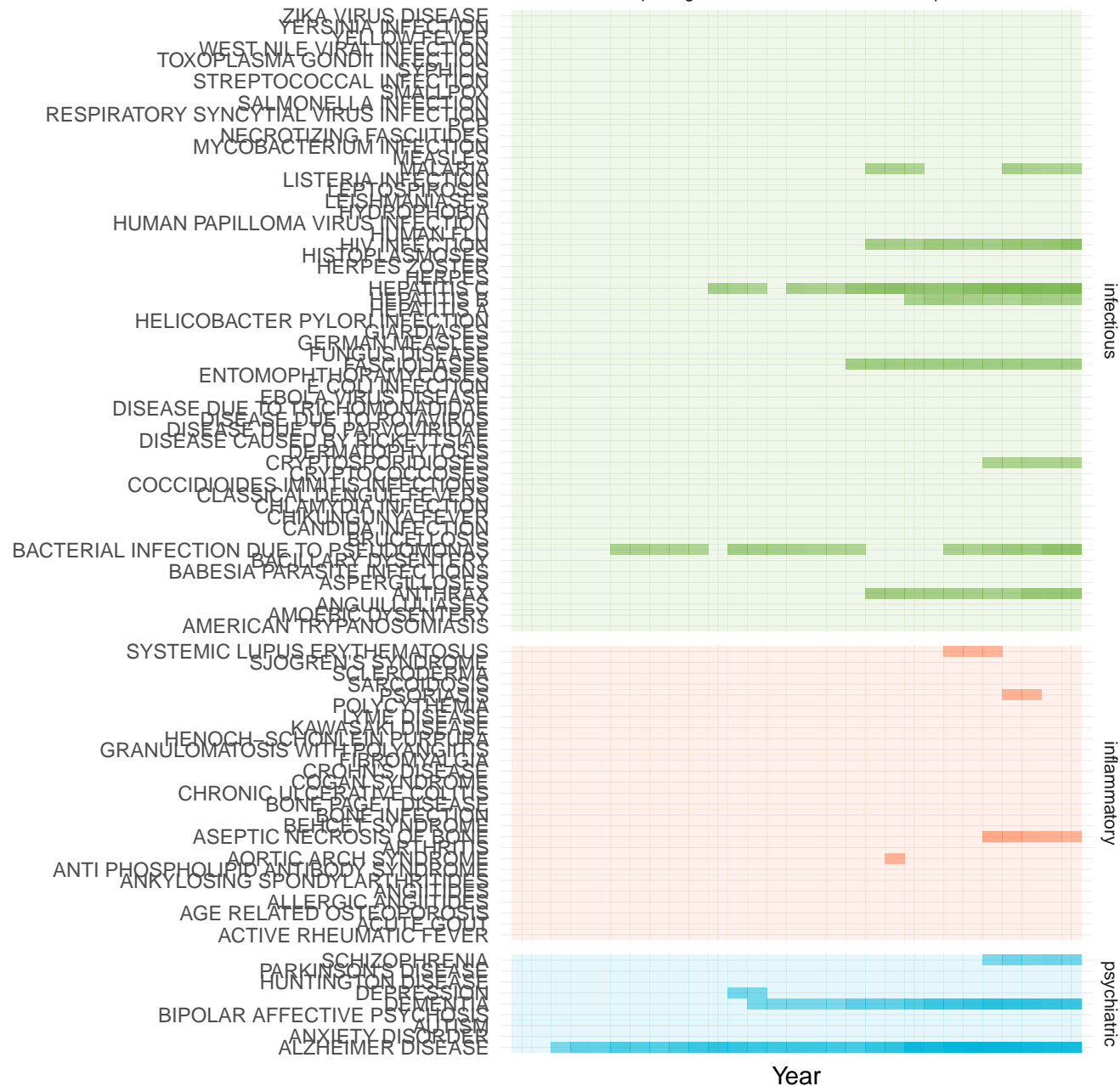
psychiatric

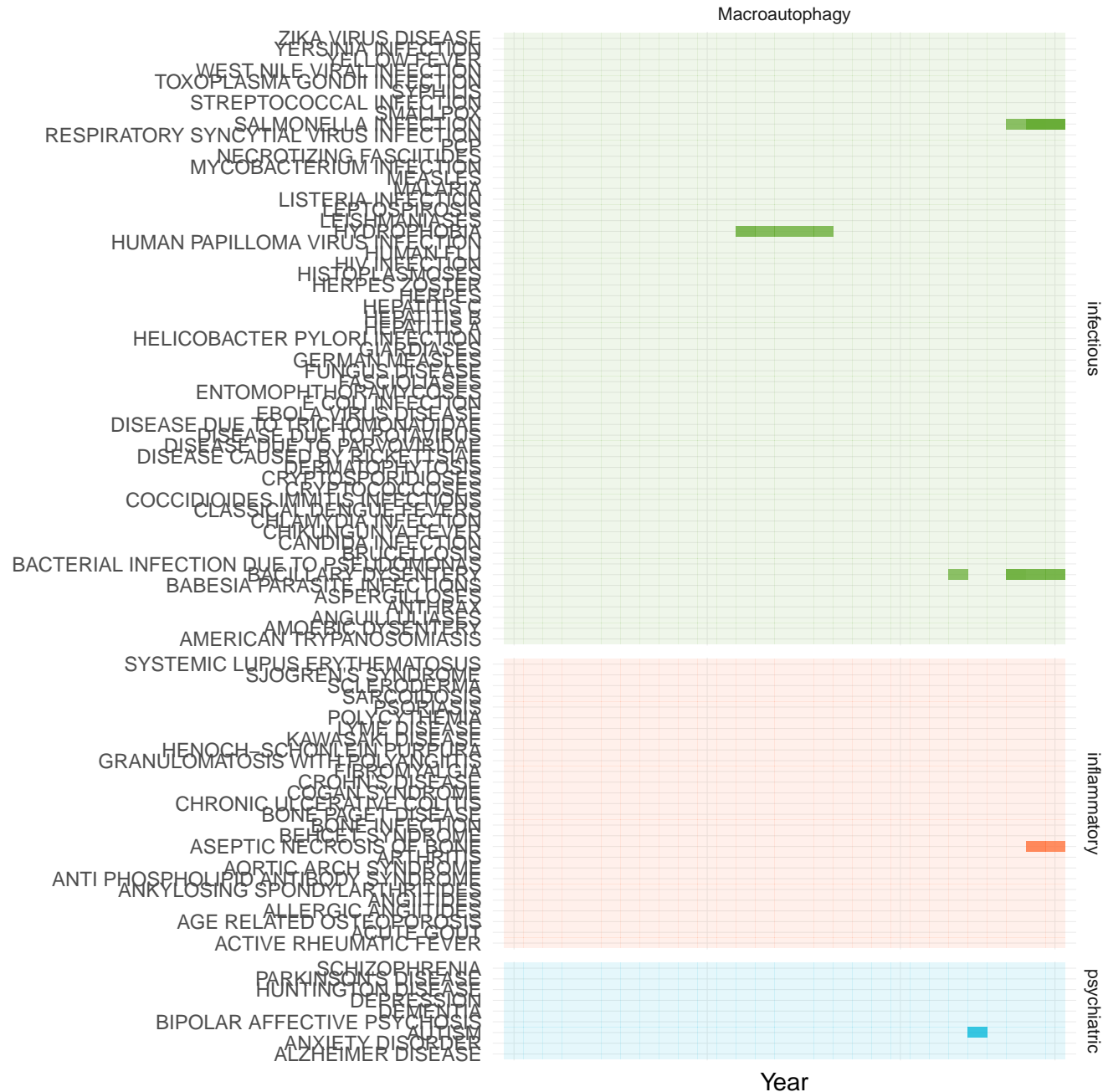
Year

L1CAM interactions

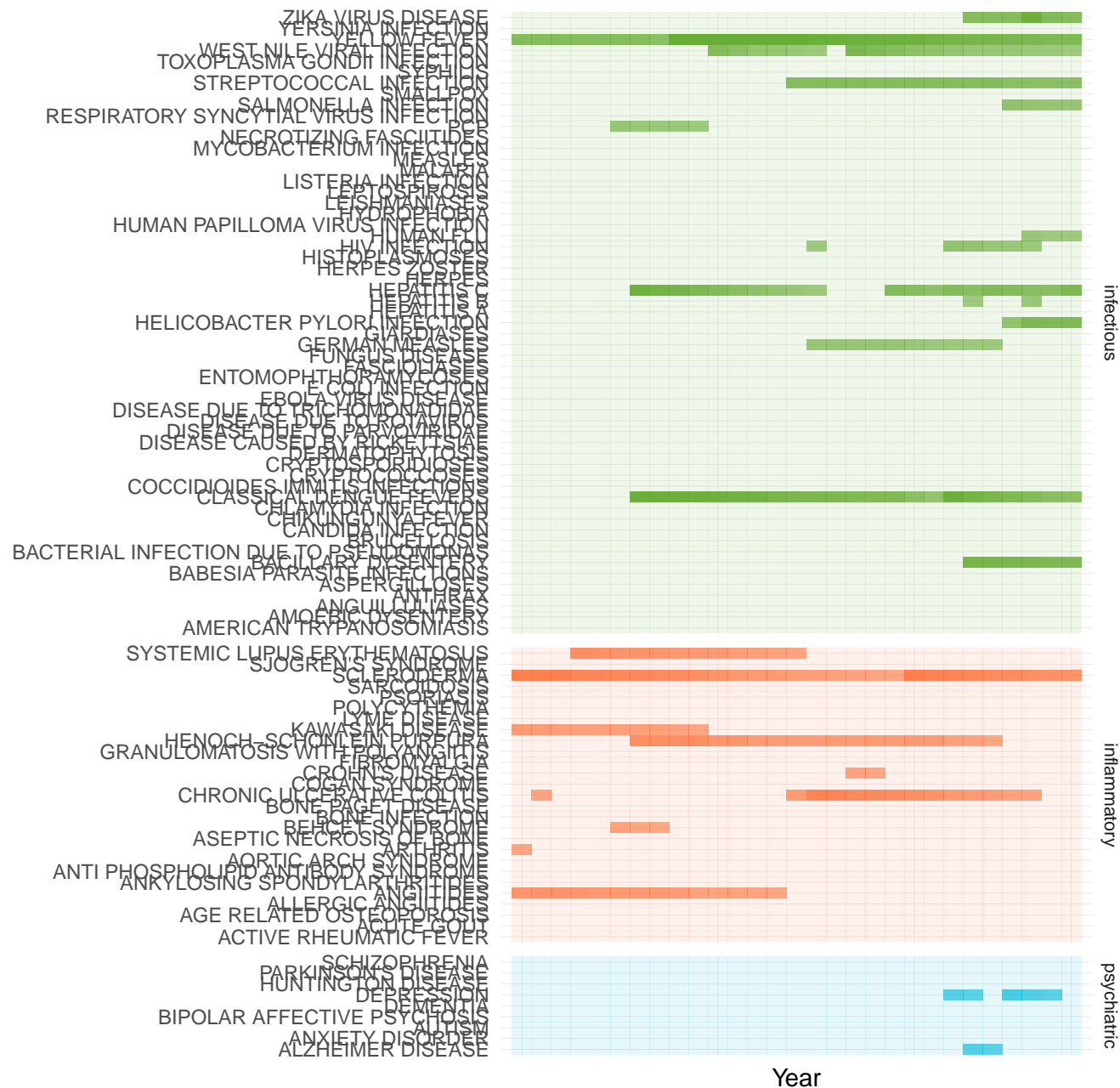


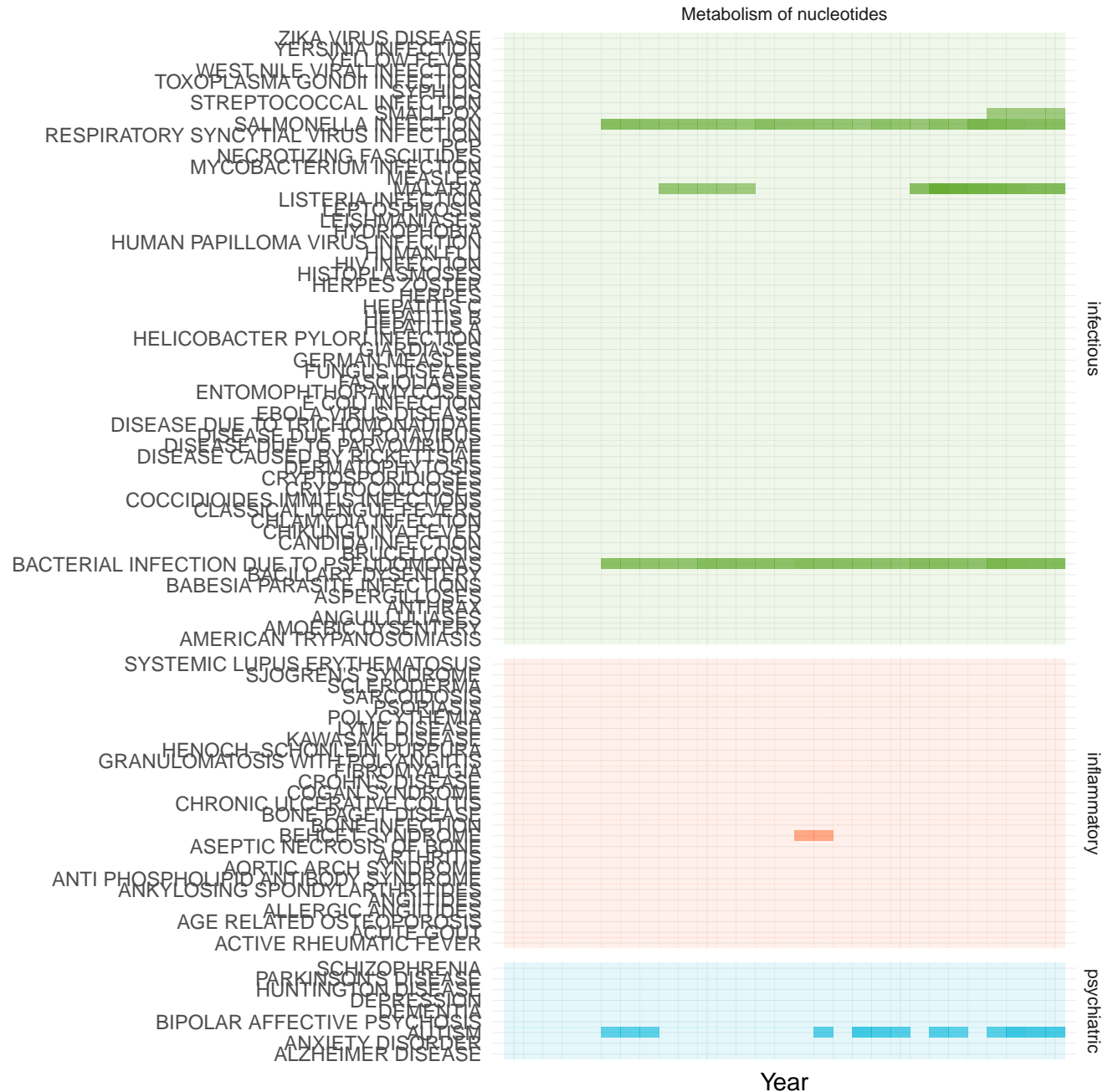
Lipid digestion, mobilization, and transport





MAP2K and MAPK activation

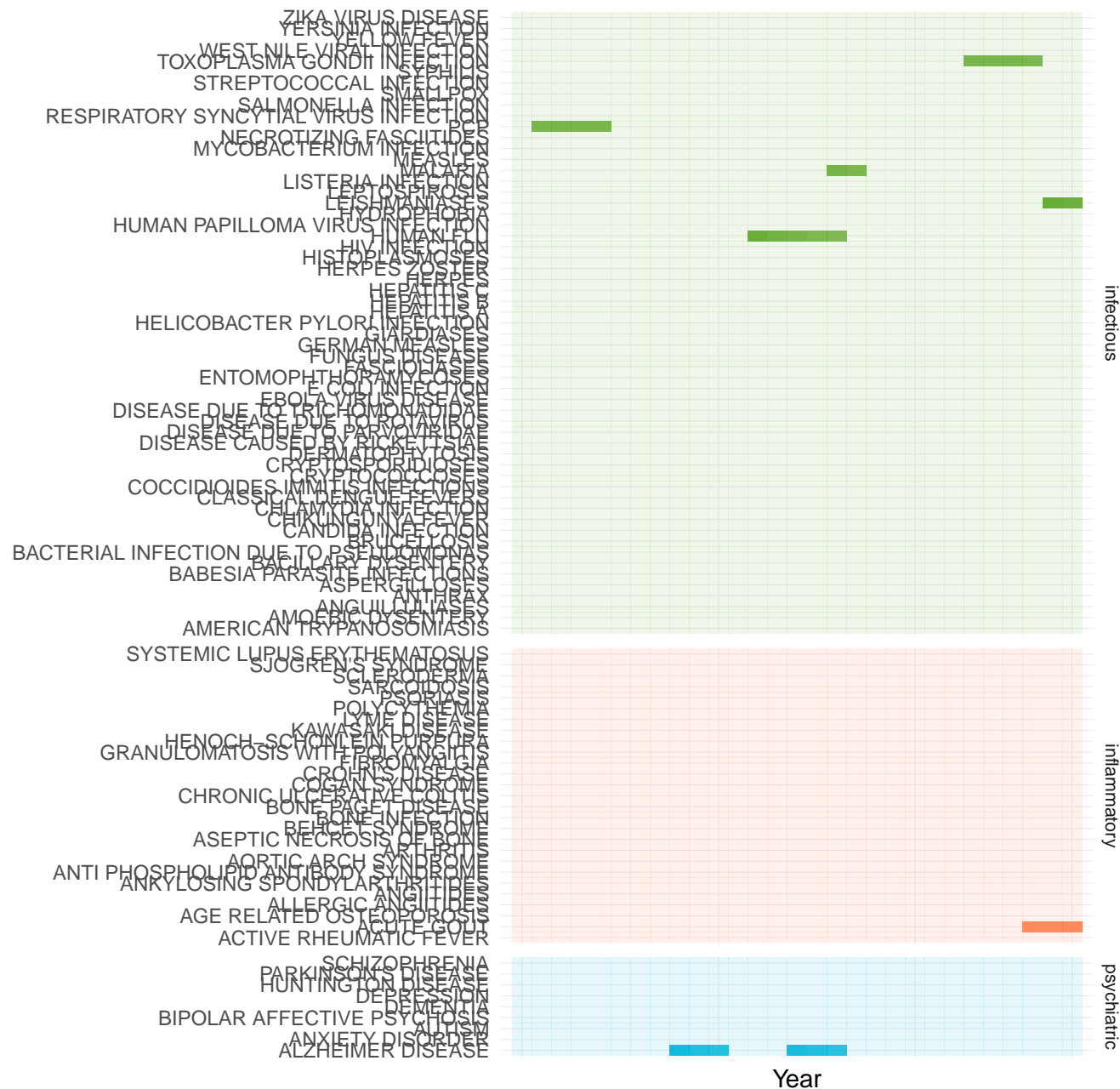




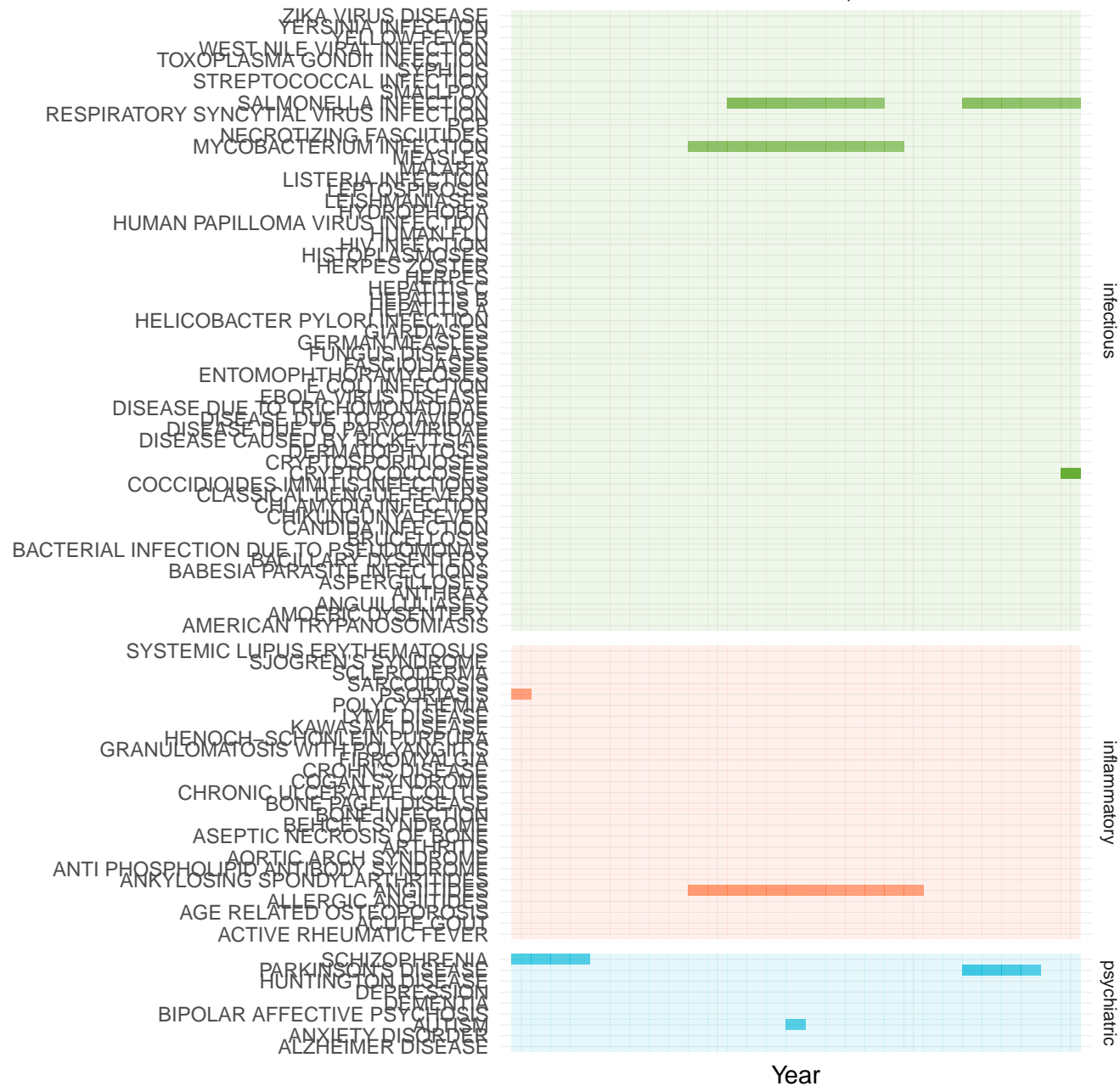
Metabolism of porphyrins

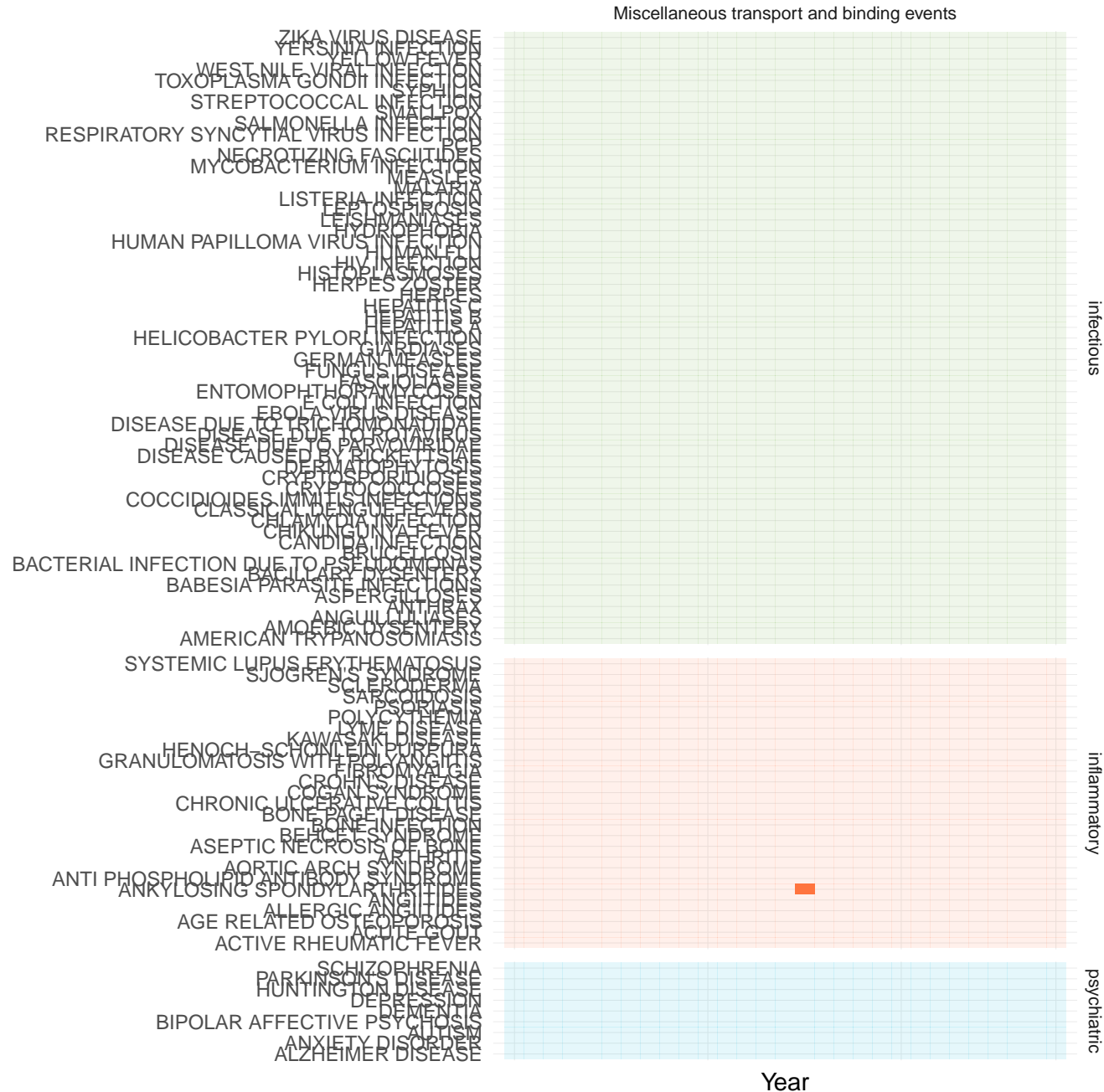


Metabolism of water-soluble vitamins and cofactors



Metal ion SLC transporters





Mitochondrial biogenesis

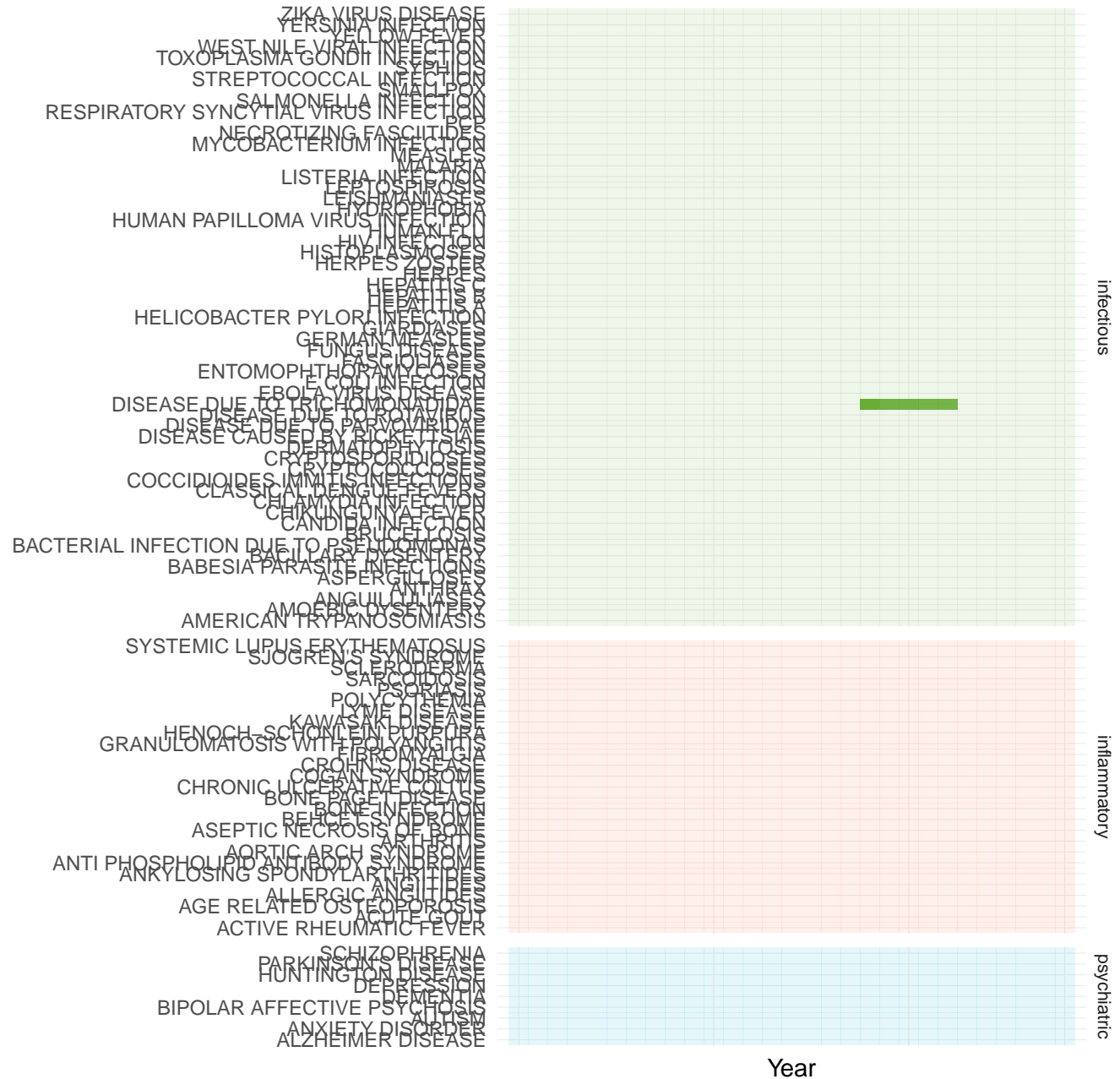
infectious

inflammatory

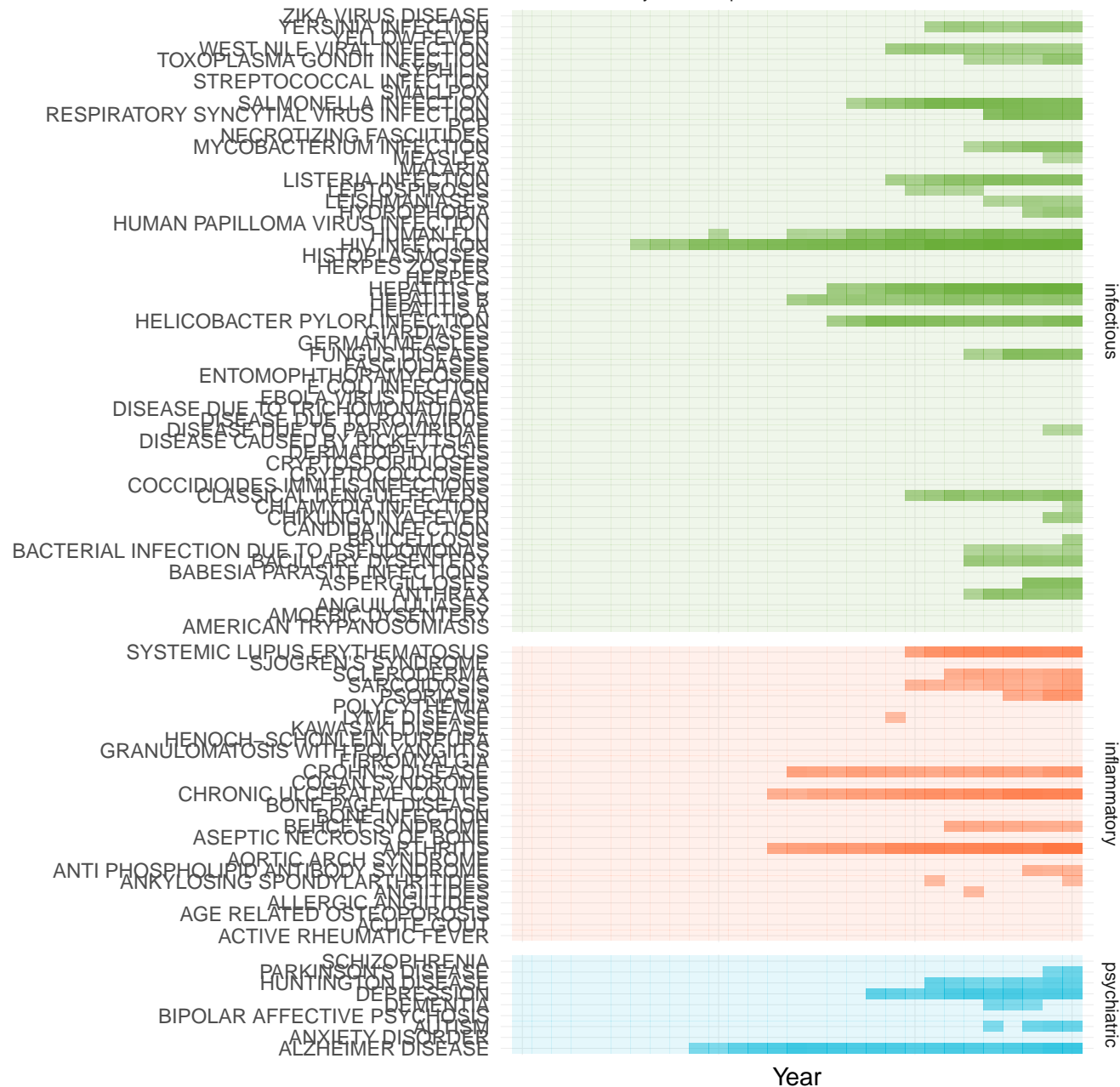
psychiatric

Year

Mitochondrial protein import

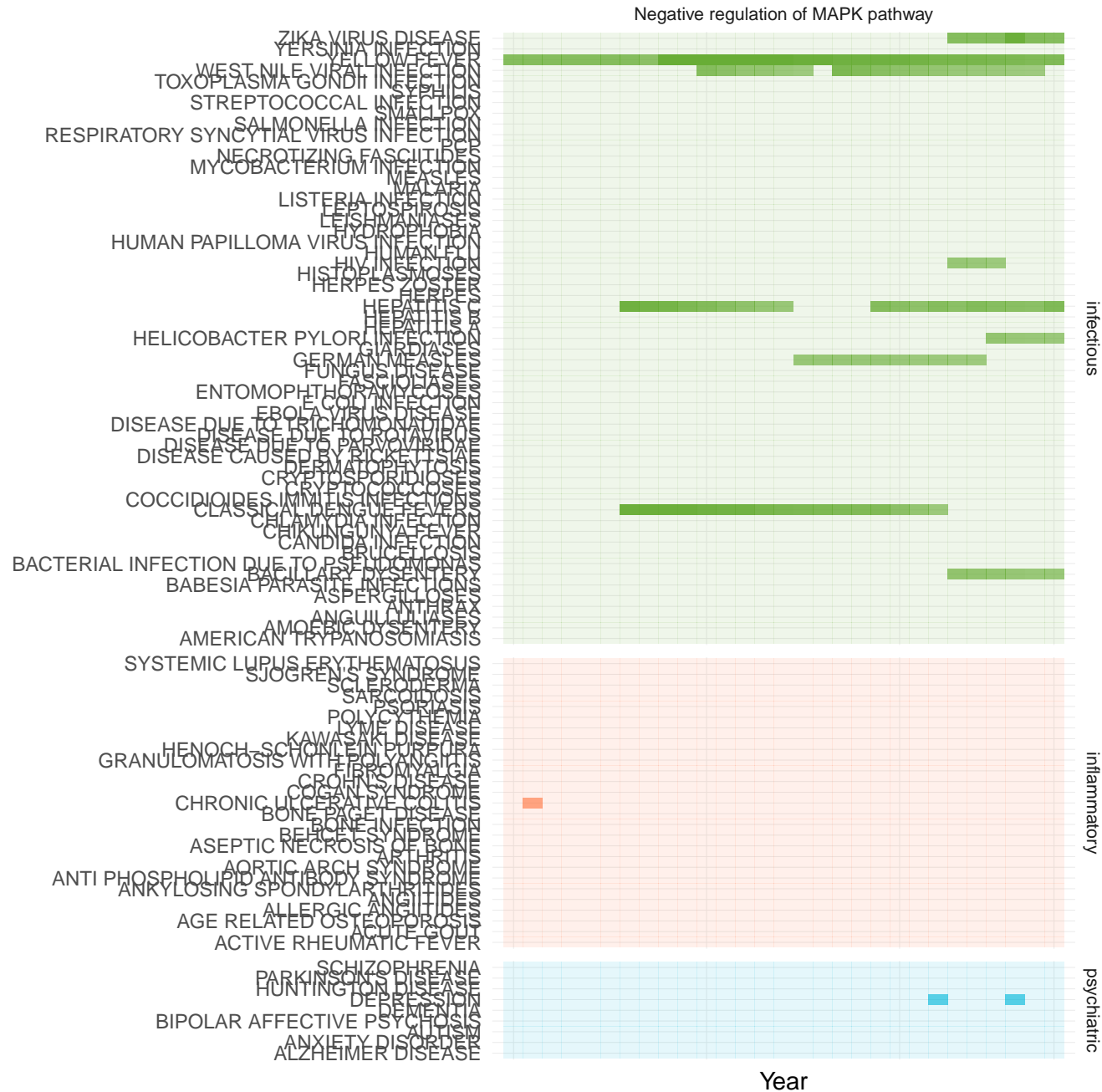


MyD88-independent TLR3/TLR4 cascade

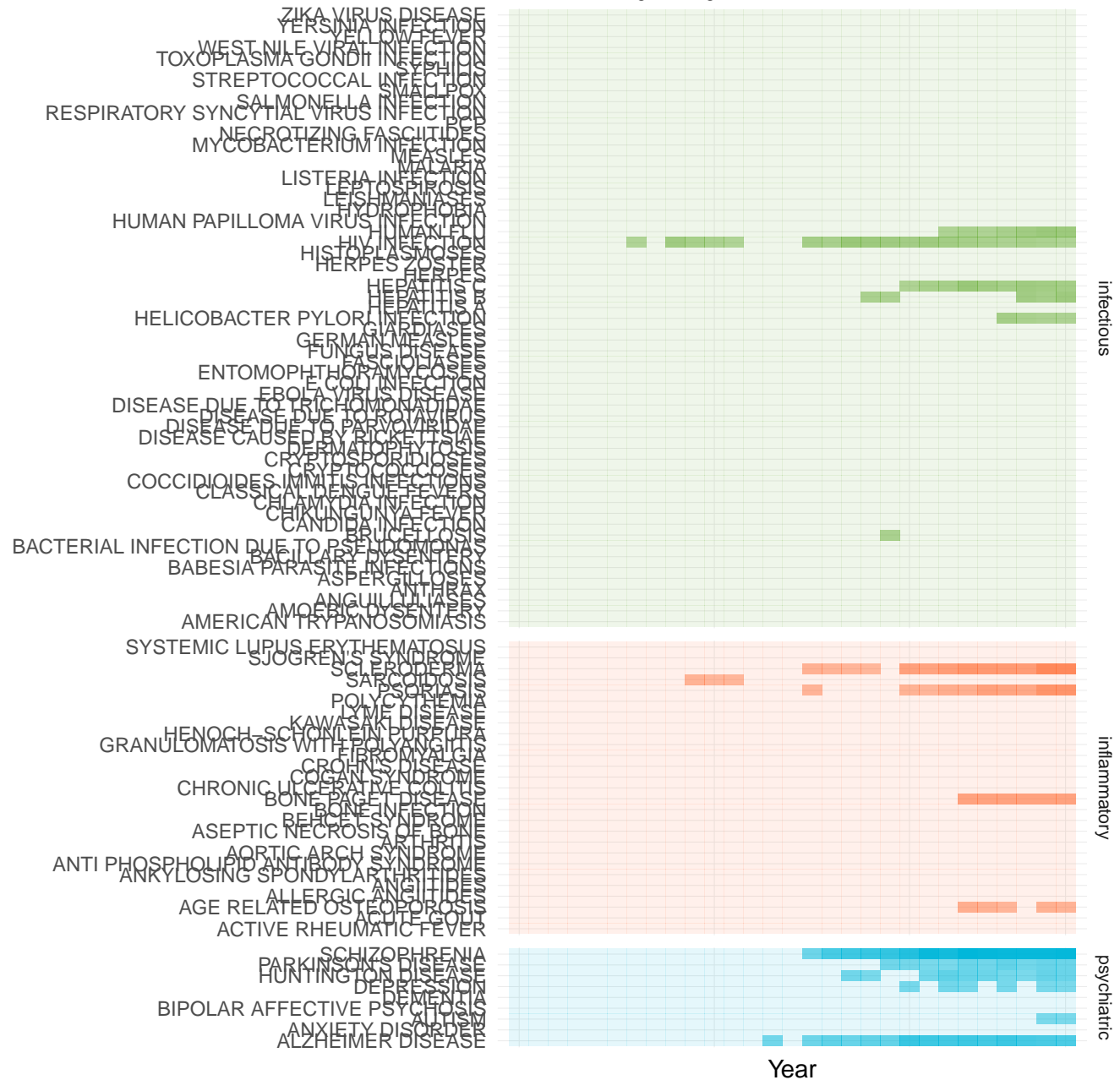








Negative regulation of the PI3K/AKT network



Nephrin interactions

BACTERIAL INFECTION DUE TO PSEUDOMONAS
 COCCIDIODES IMMITIS INFECTION
 HISTOPLASMA INFECTION
 CRYPTOSPORIDIOSIS
 CHLAMYDIA INFECTION
 CANDIDIASIS
 AMOEBIASIS
 SYSTEMIC LUPUS ERYTHEMATOSUS
 SJOJOREN'S SYNDROME
 KAWASAKI DISEASE
 GRANULOMATOSIS WITH POLYANGITIS
 CHRONIC ULCER
 ASEPTIC NECROSIS OF BONE
 AORTIC ARCH SYNDROME
 ANTI PHOSPHOLIPID ANTIBODY SYNDROME
 ANKYLOSING SPONDYLARTHRTIS
 AGE RELATED OSTEOPOROSIS
 ACTIVE RHEUMATIC FEVER
 SCHIZOPHRENIA
 HUNTINGTON DISEASE
 DEPRESSION
 BIPOLAR AFFECTIVE PSYCHOSIS
 ANXIETY DISORDER
 ALZHEIMER DISEASE

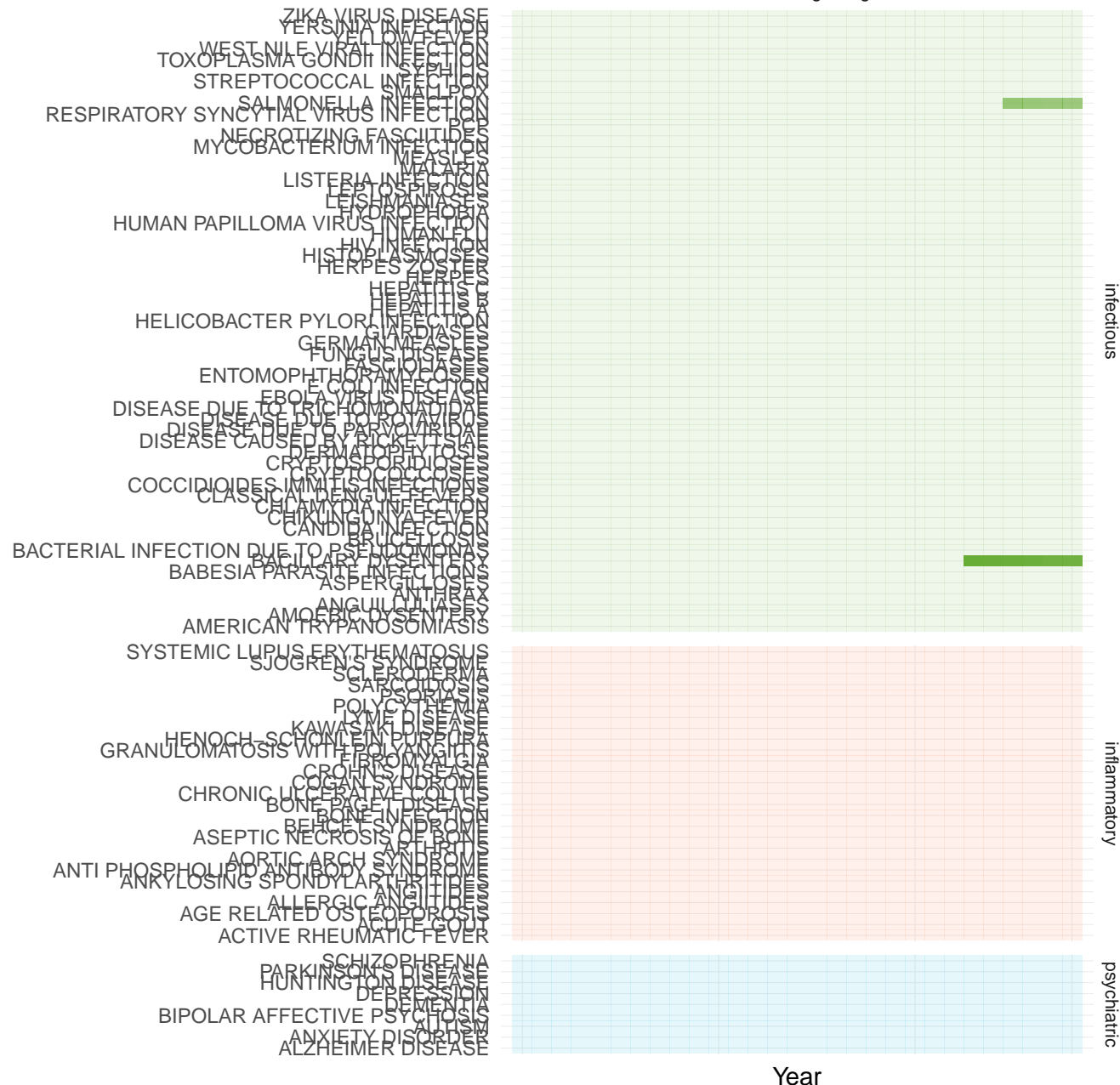
infectious

inflammatory

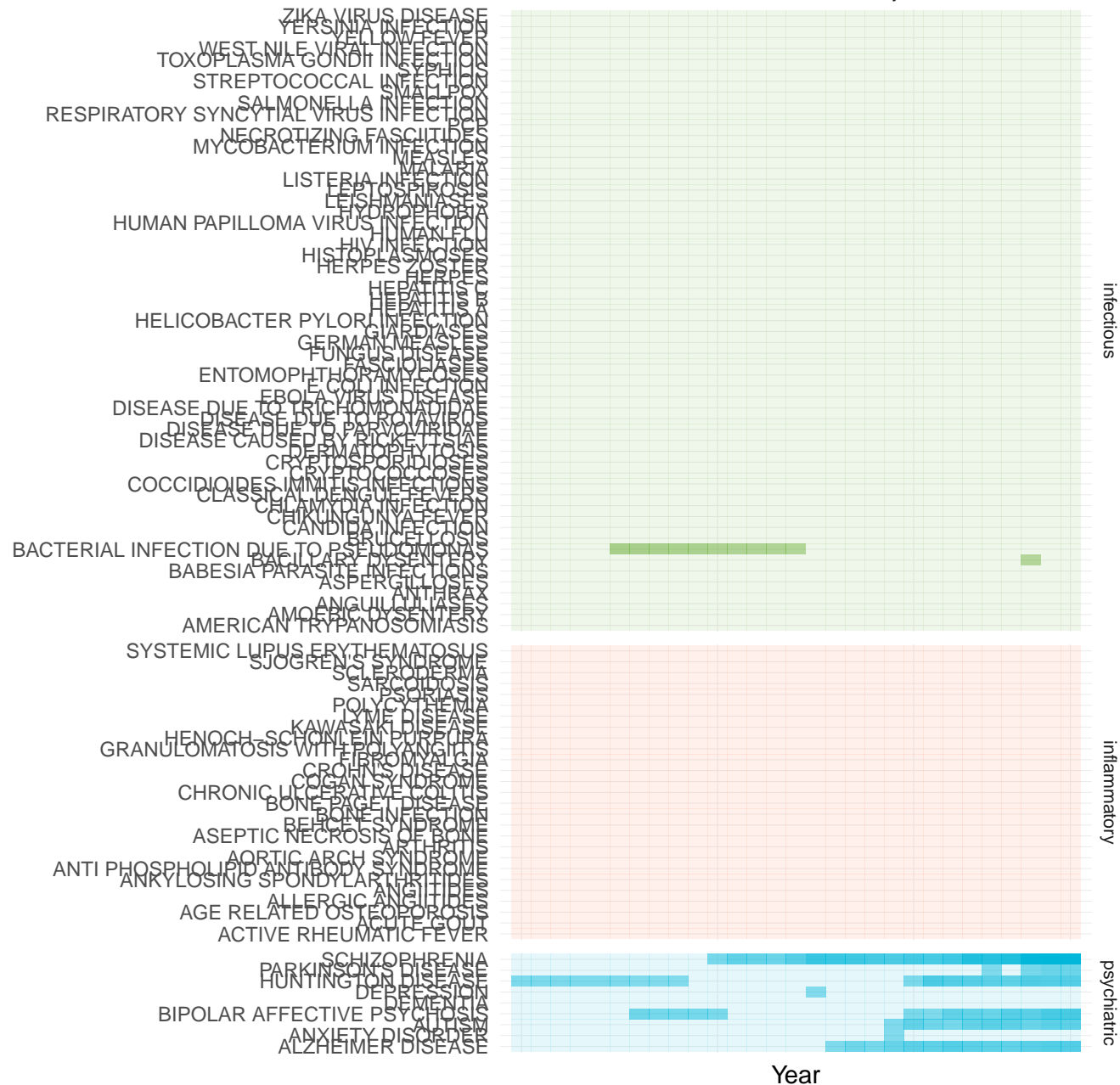
psychiatric

Year

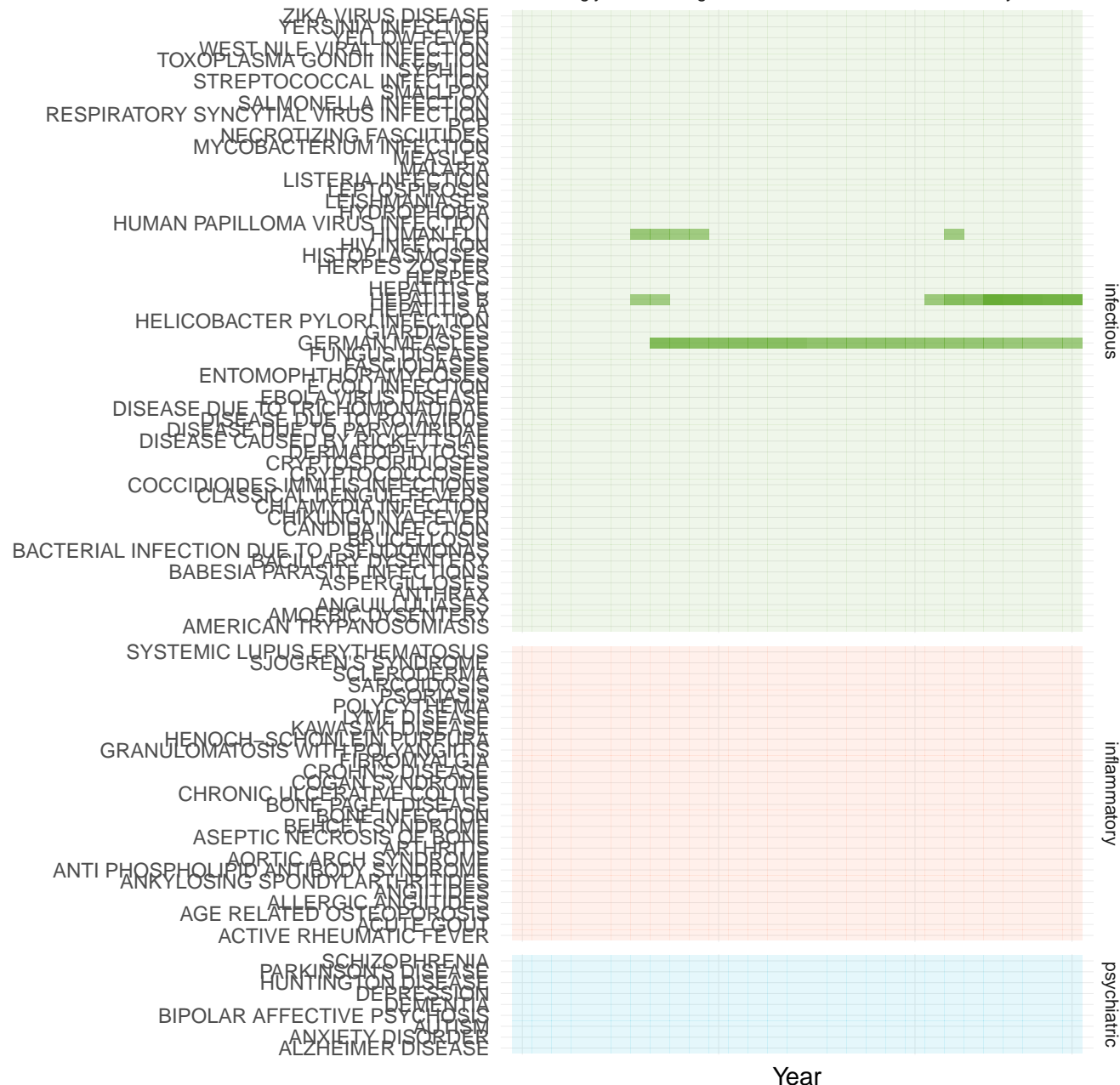
Netrin-1 signaling



Neurotransmitter Release Cycle

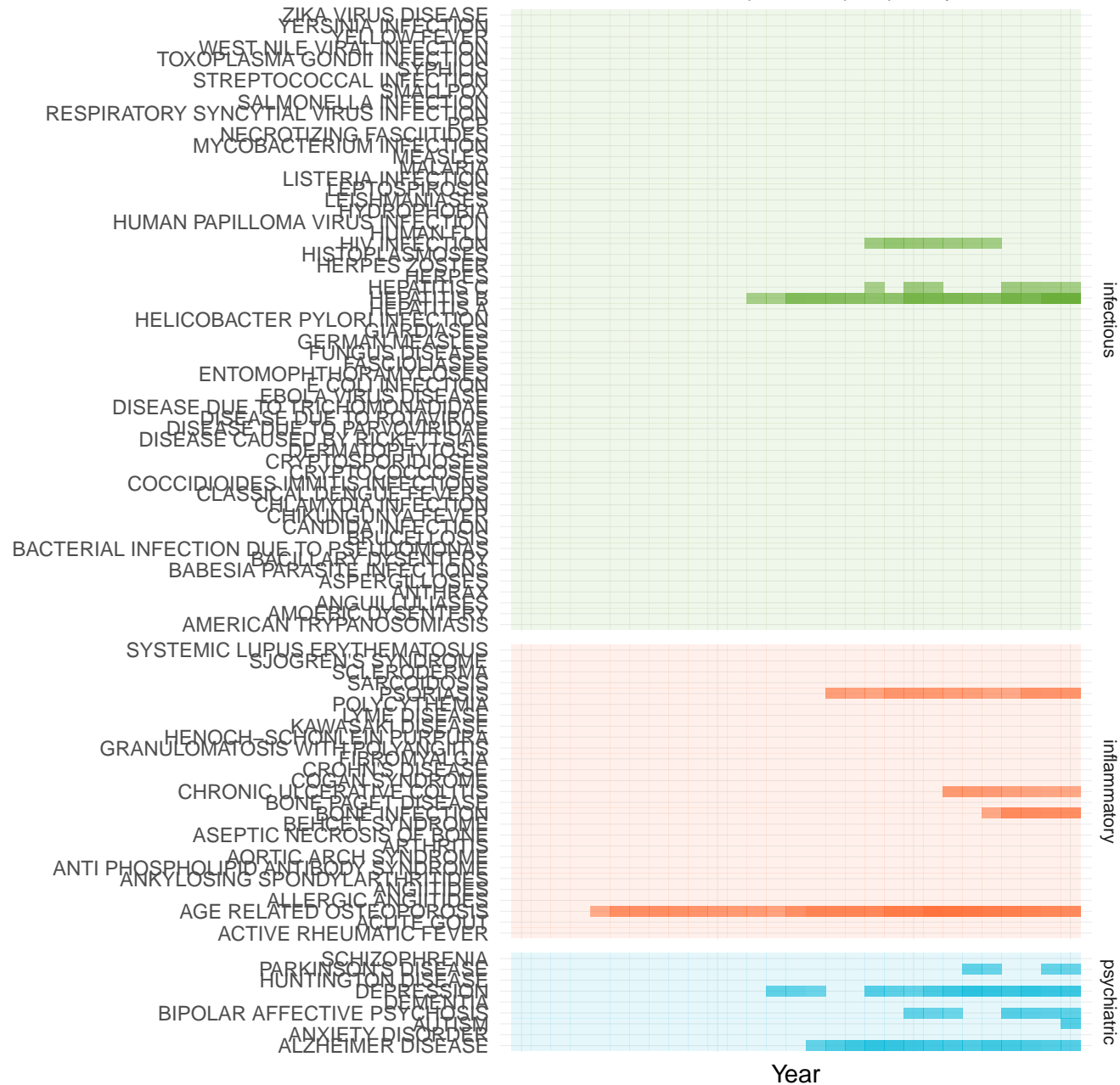


N-glycan trimming in the ER and Calnexin/Calreticulin cycle

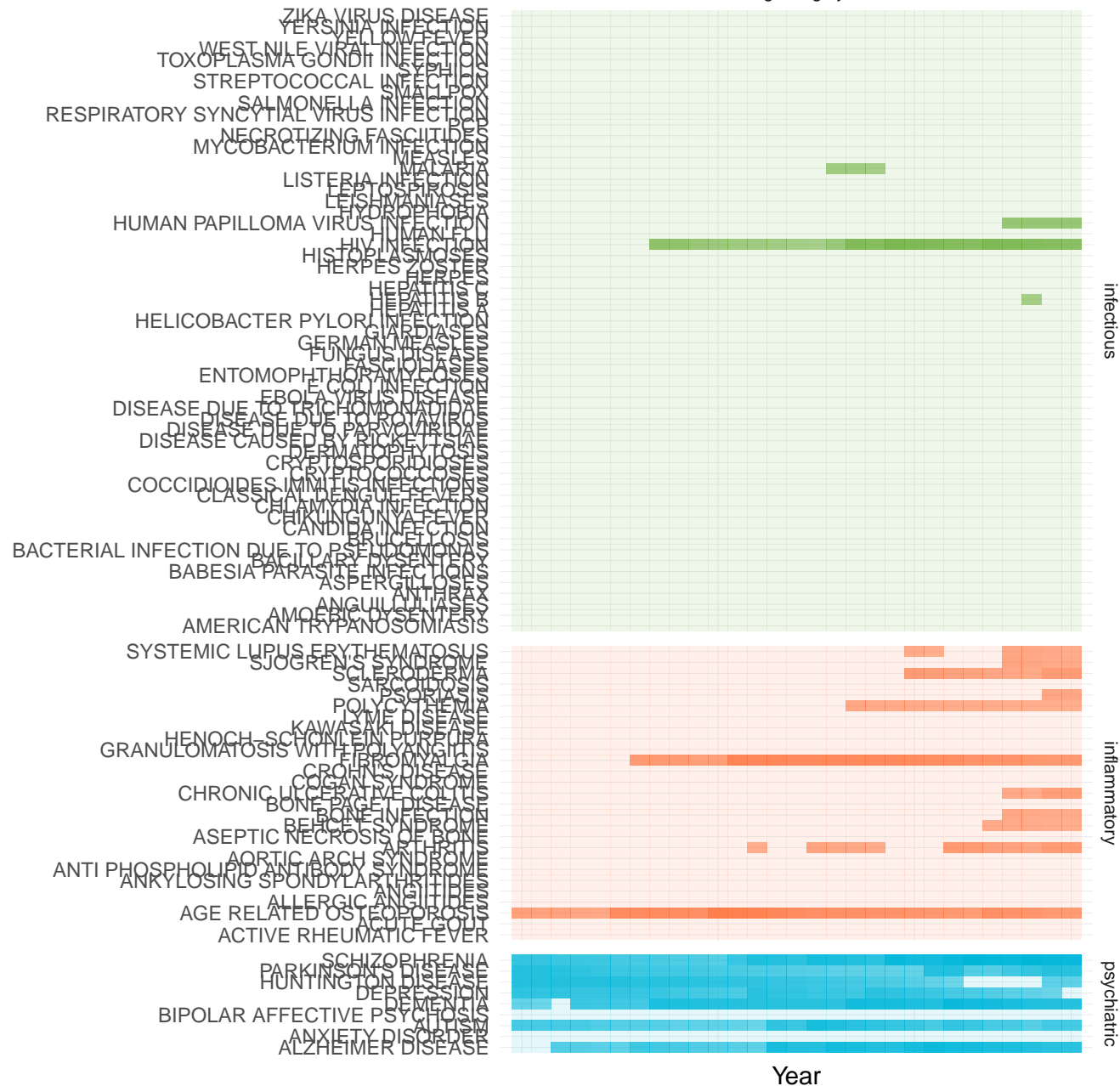




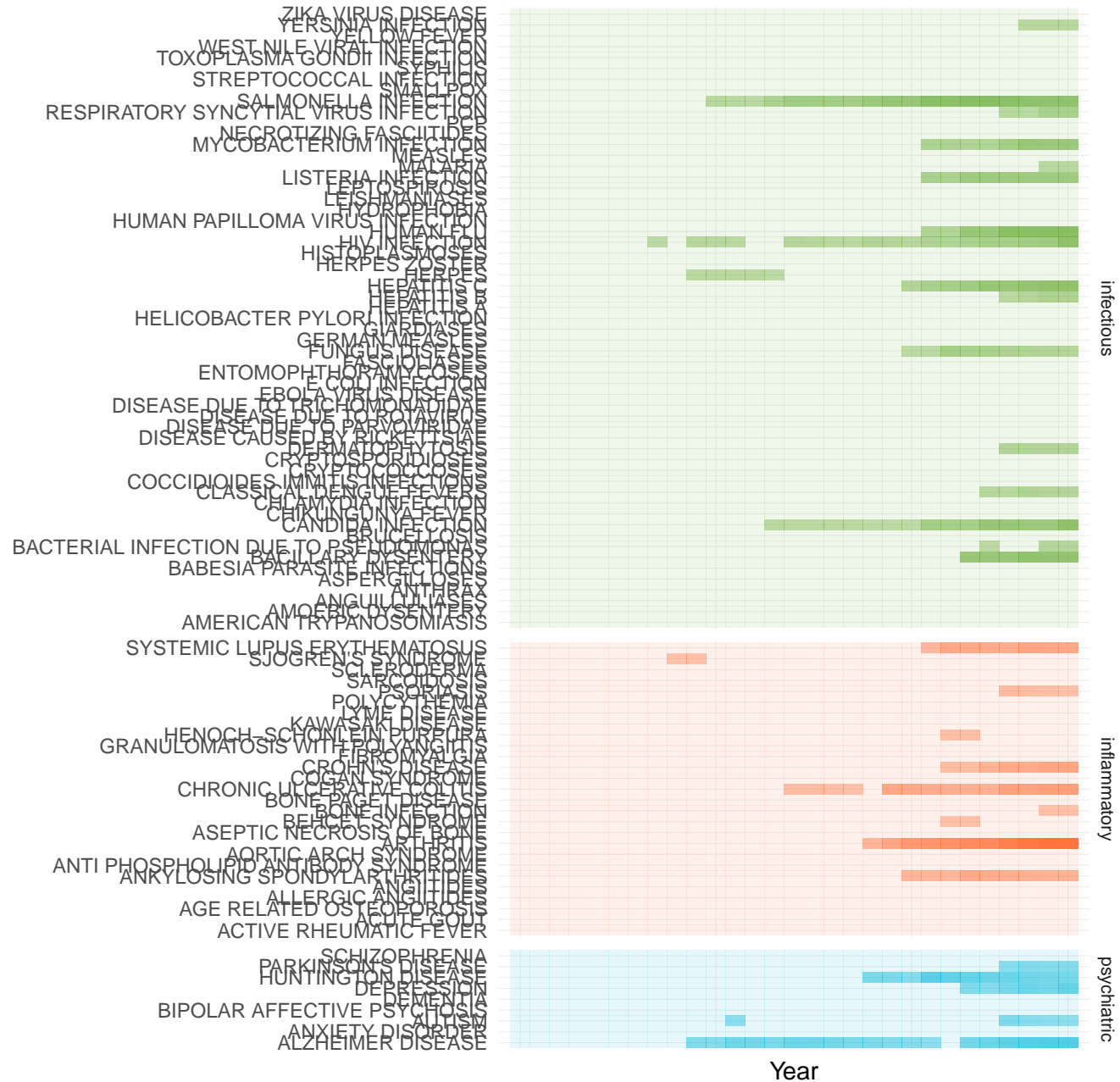
Nuclear Receptor transcription pathway



Nuclear signaling by ERBB4



e-binding domain, leucine rich repeat containing receptor (NLR) signaling



O-linked glycosylation of mucins

infectious

inflammatory

psychiatric

Year

Opioid Signalling

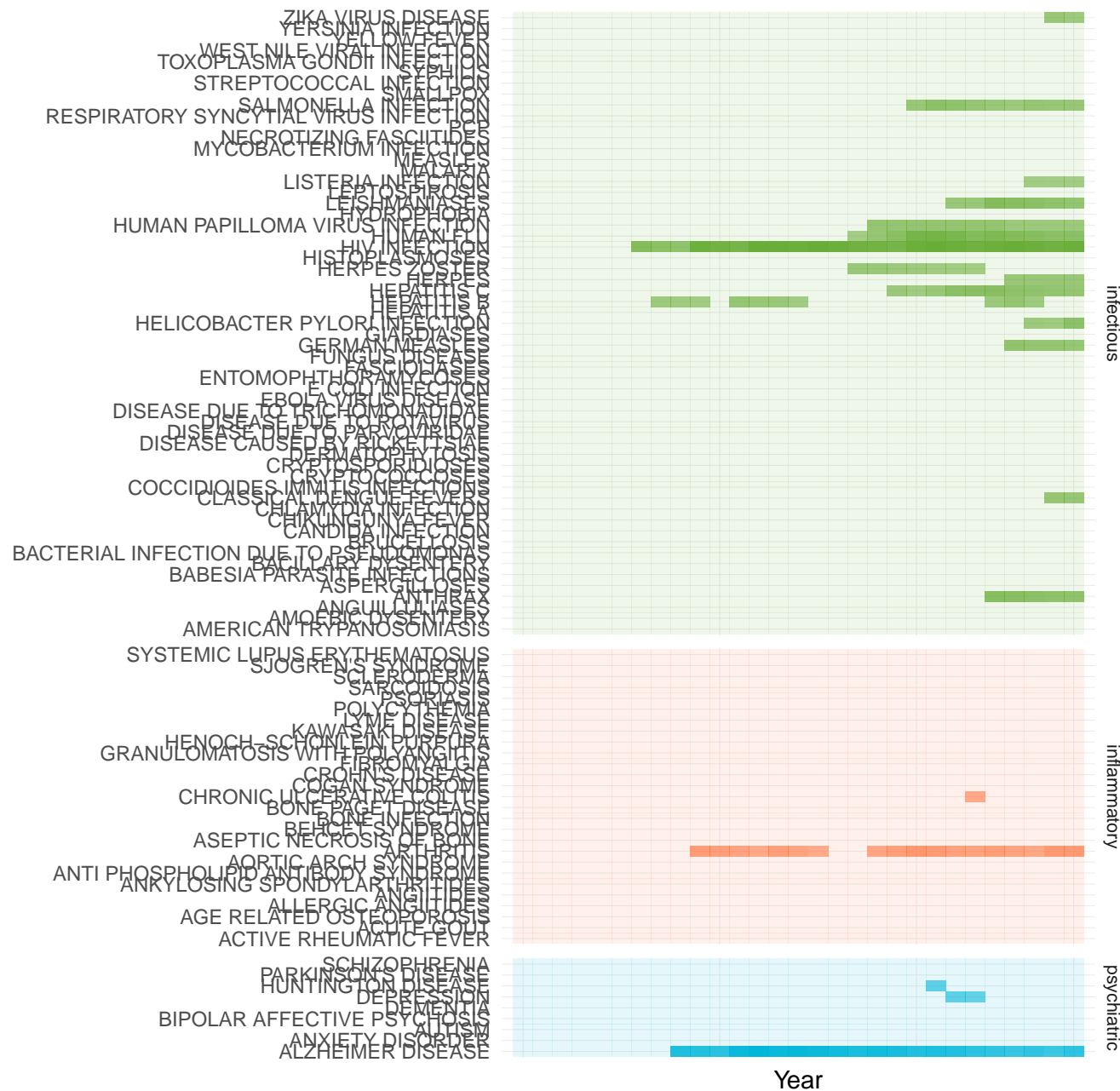
infectious

inflammatory

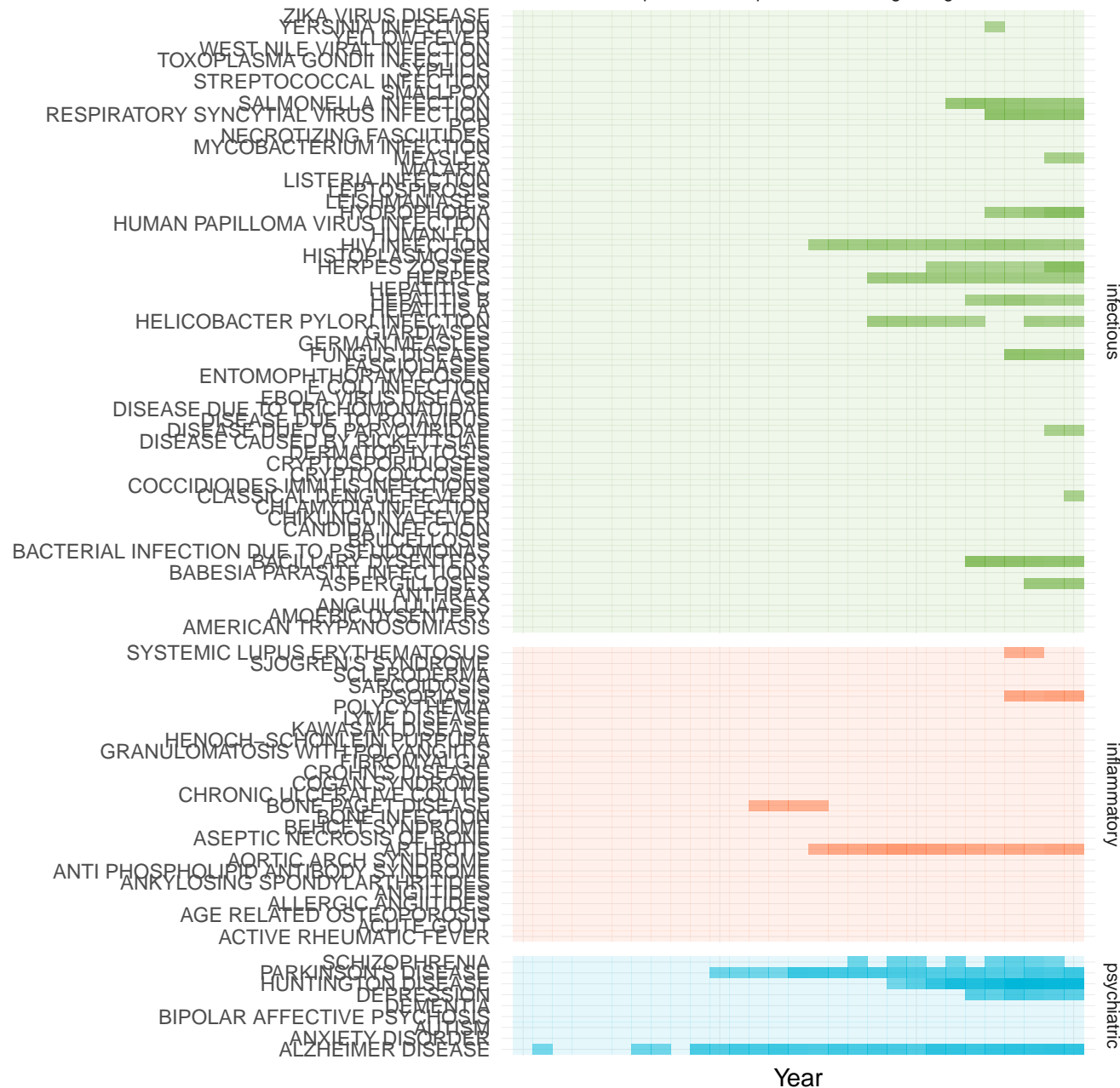
psychiatric

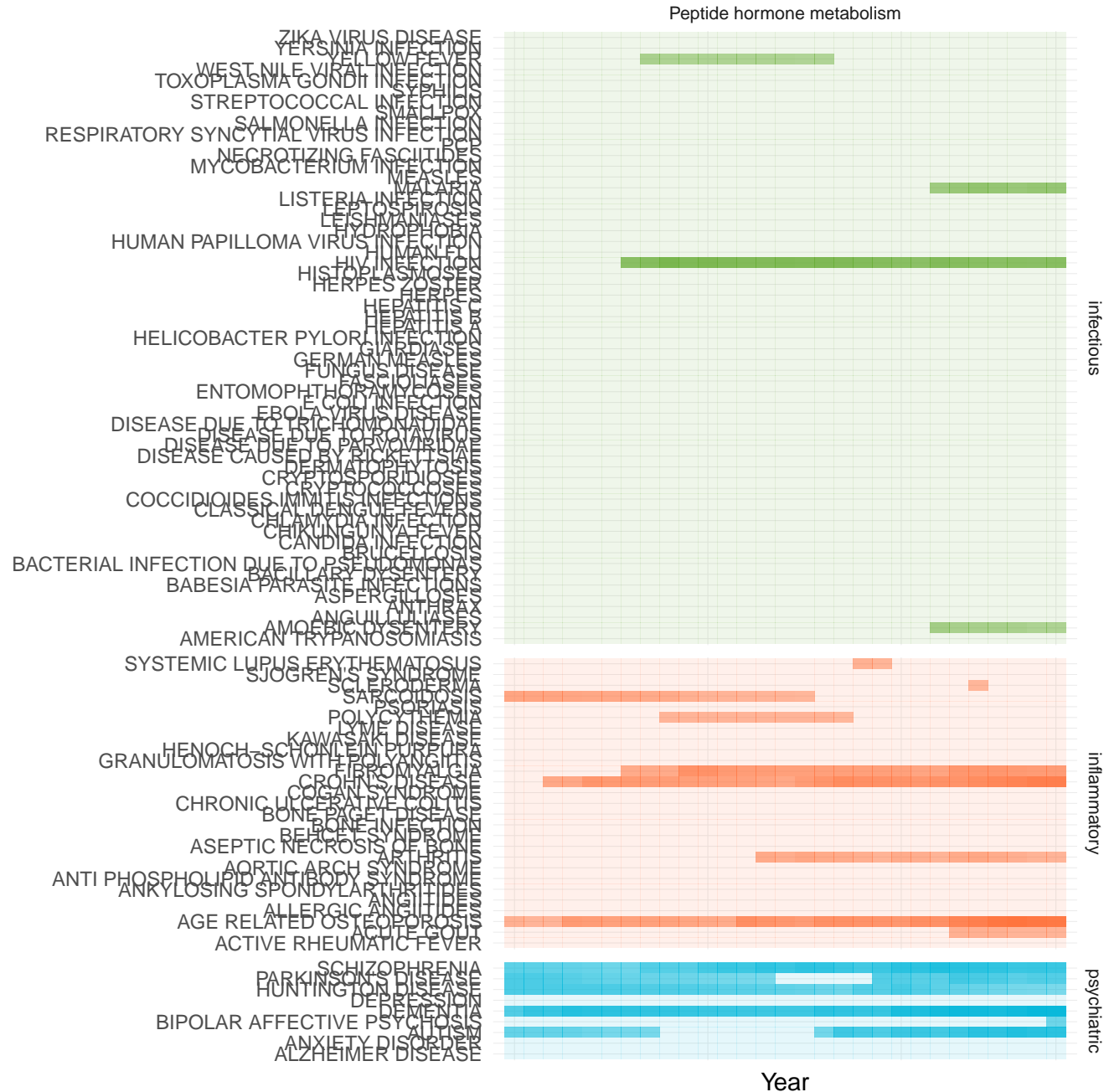
Year

Oxidative Stress Induced Senescence



p75 NTR receptor-mediated signalling

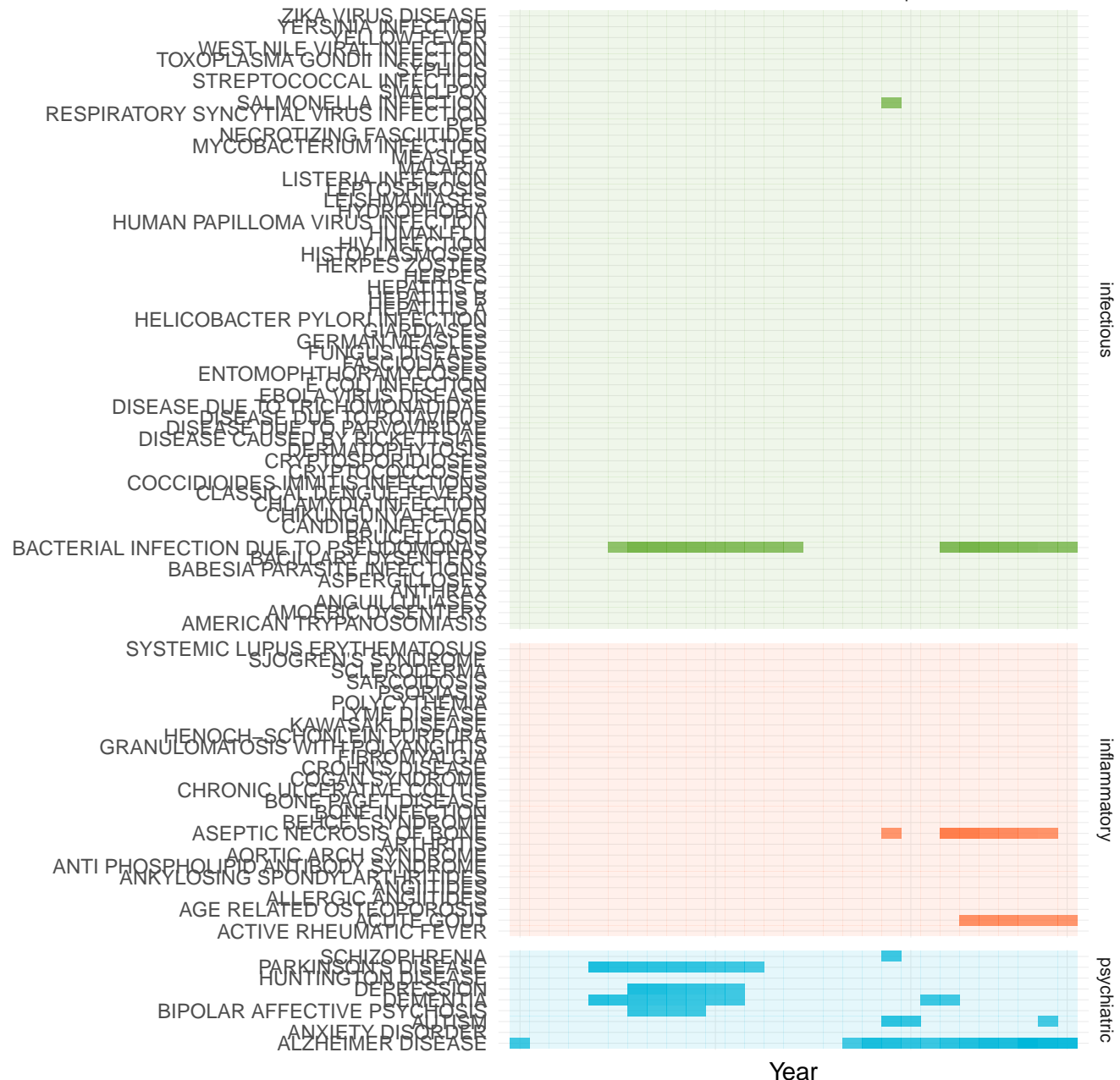


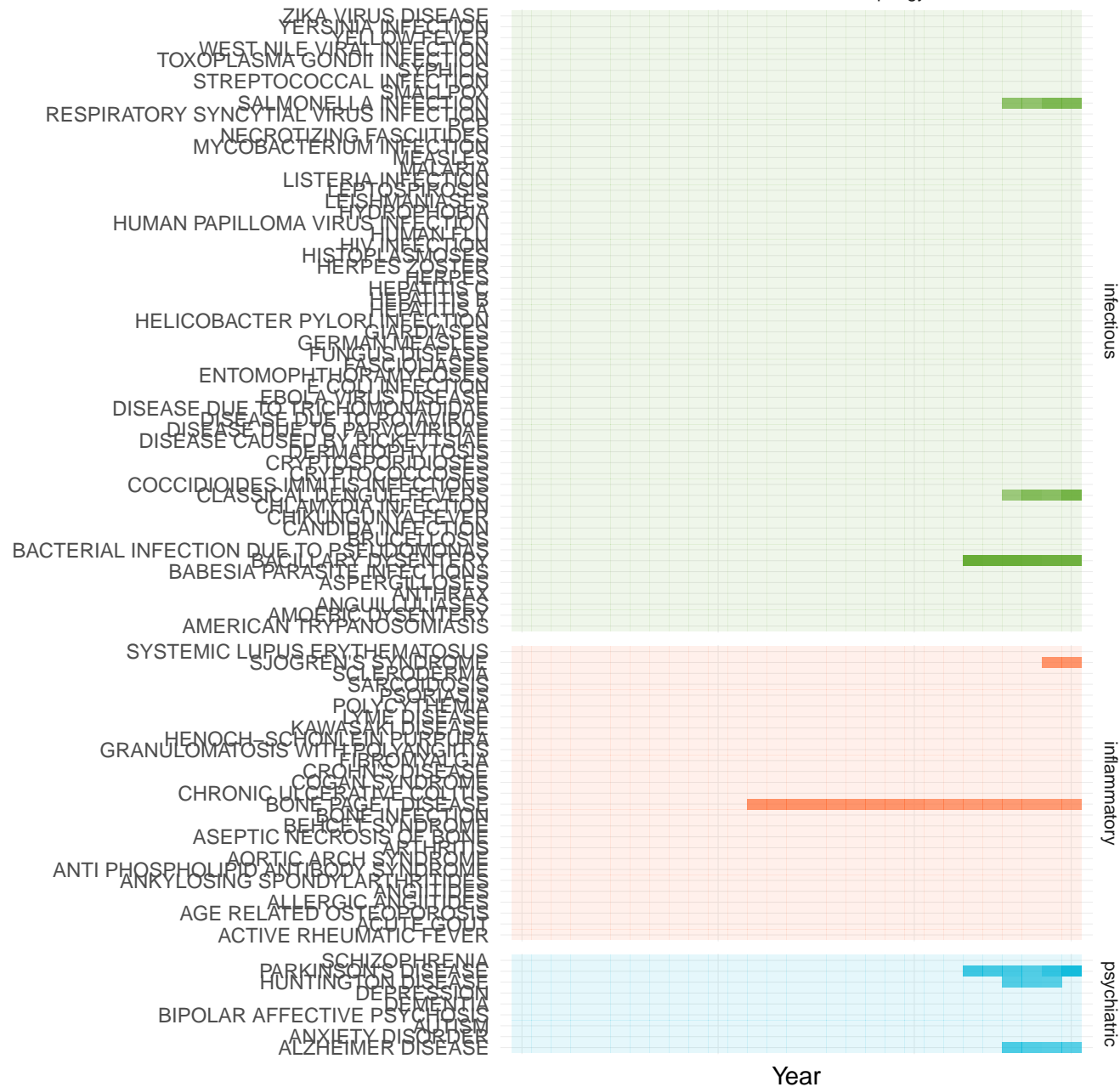


Peroxisomal lipid metabolism



Phase 1 – Functionalization of compounds

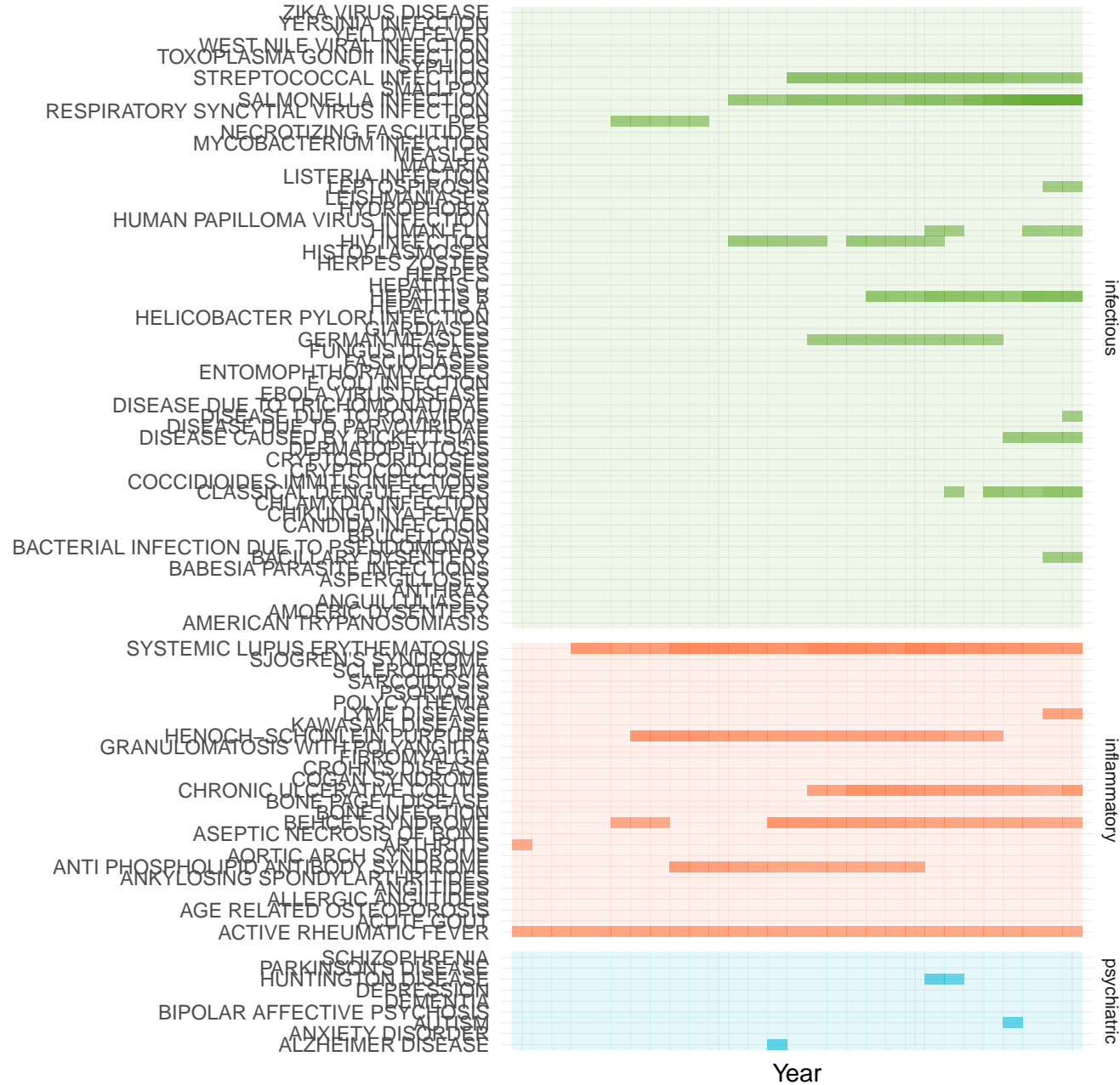




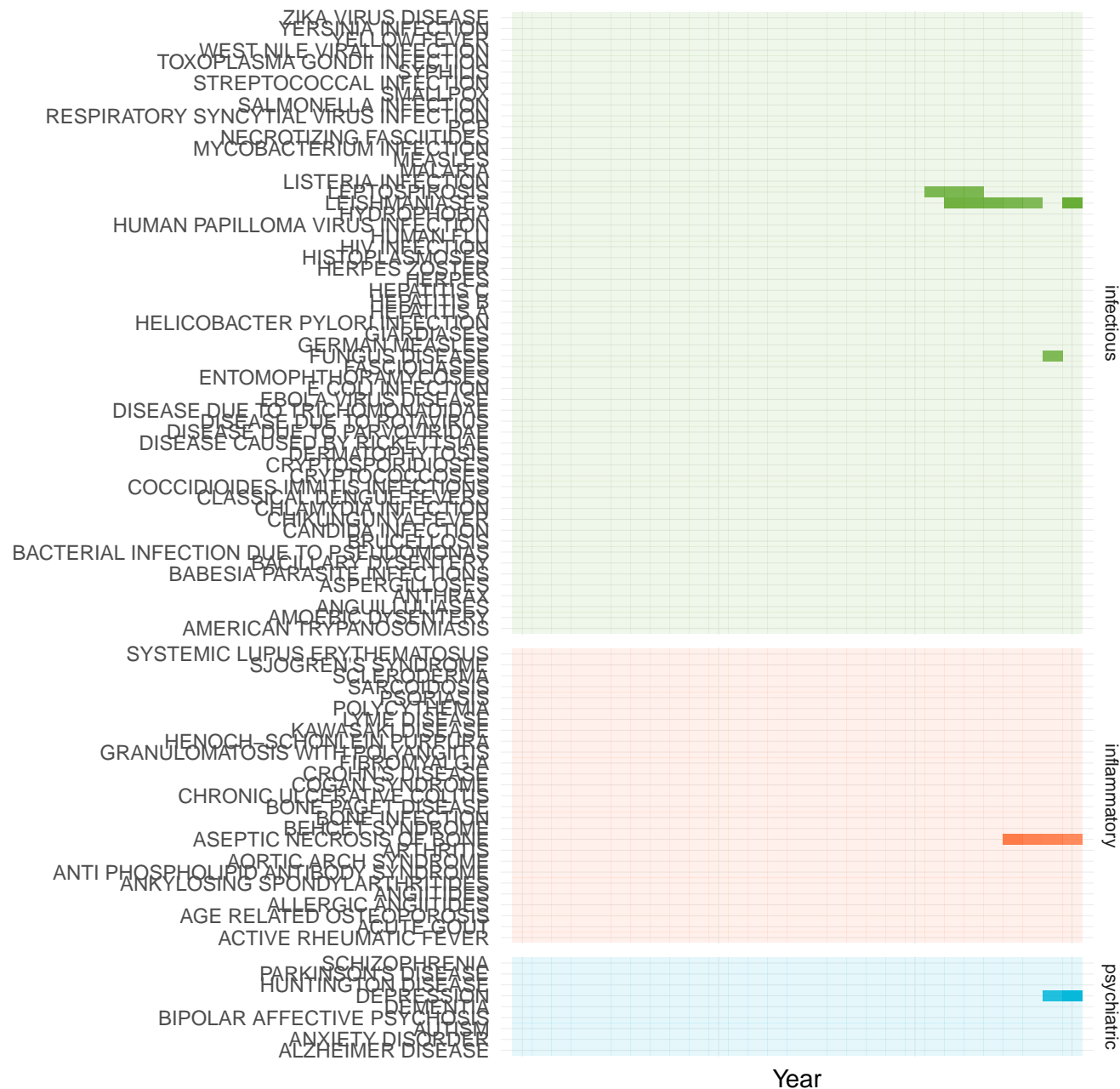
PIWI–interacting RNA (piRNA) biogenesis



Platelet Aggregation (Plug Formation)

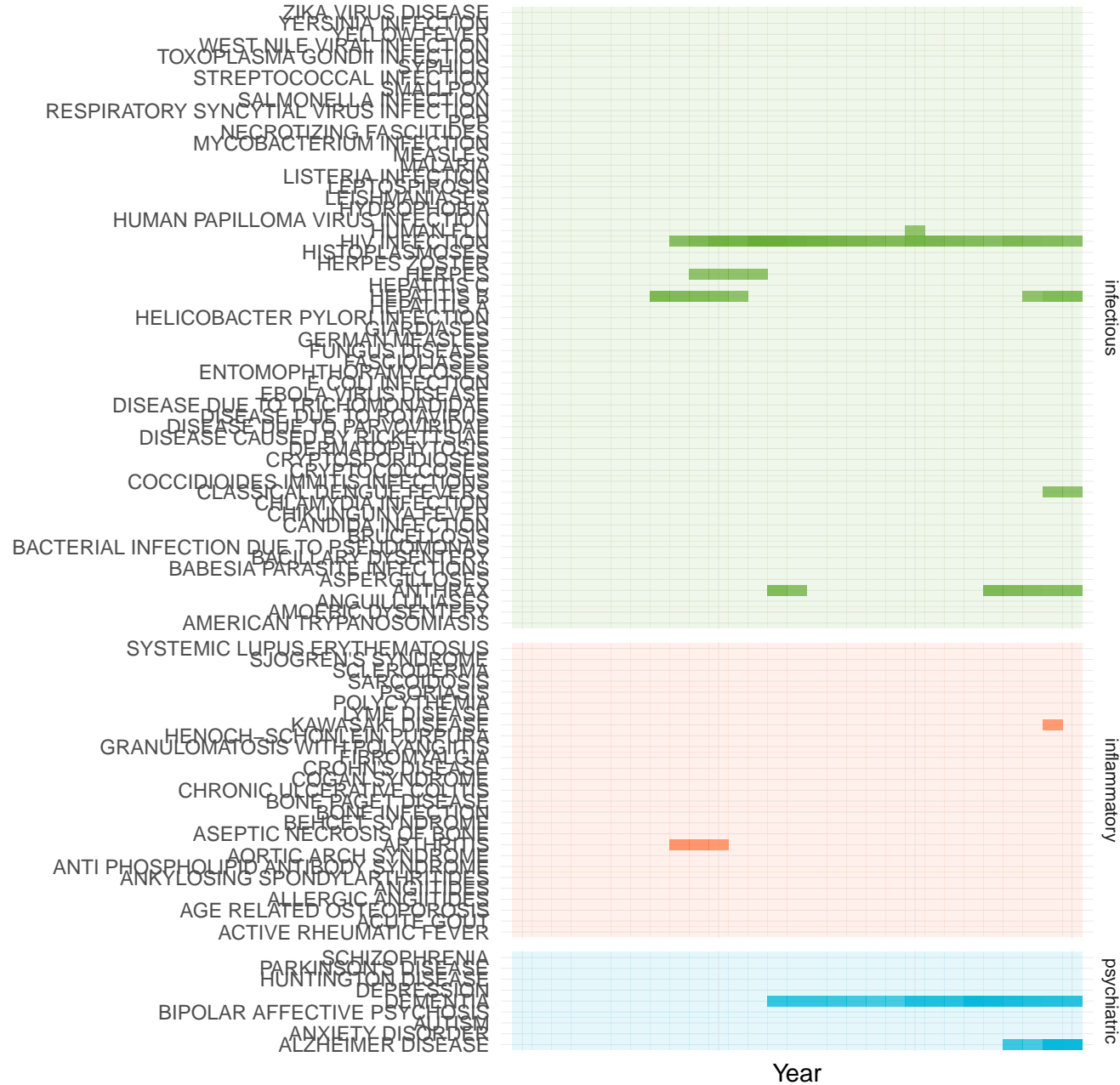


Platelet homeostasis





Pre-NOTCH Expression and Processing

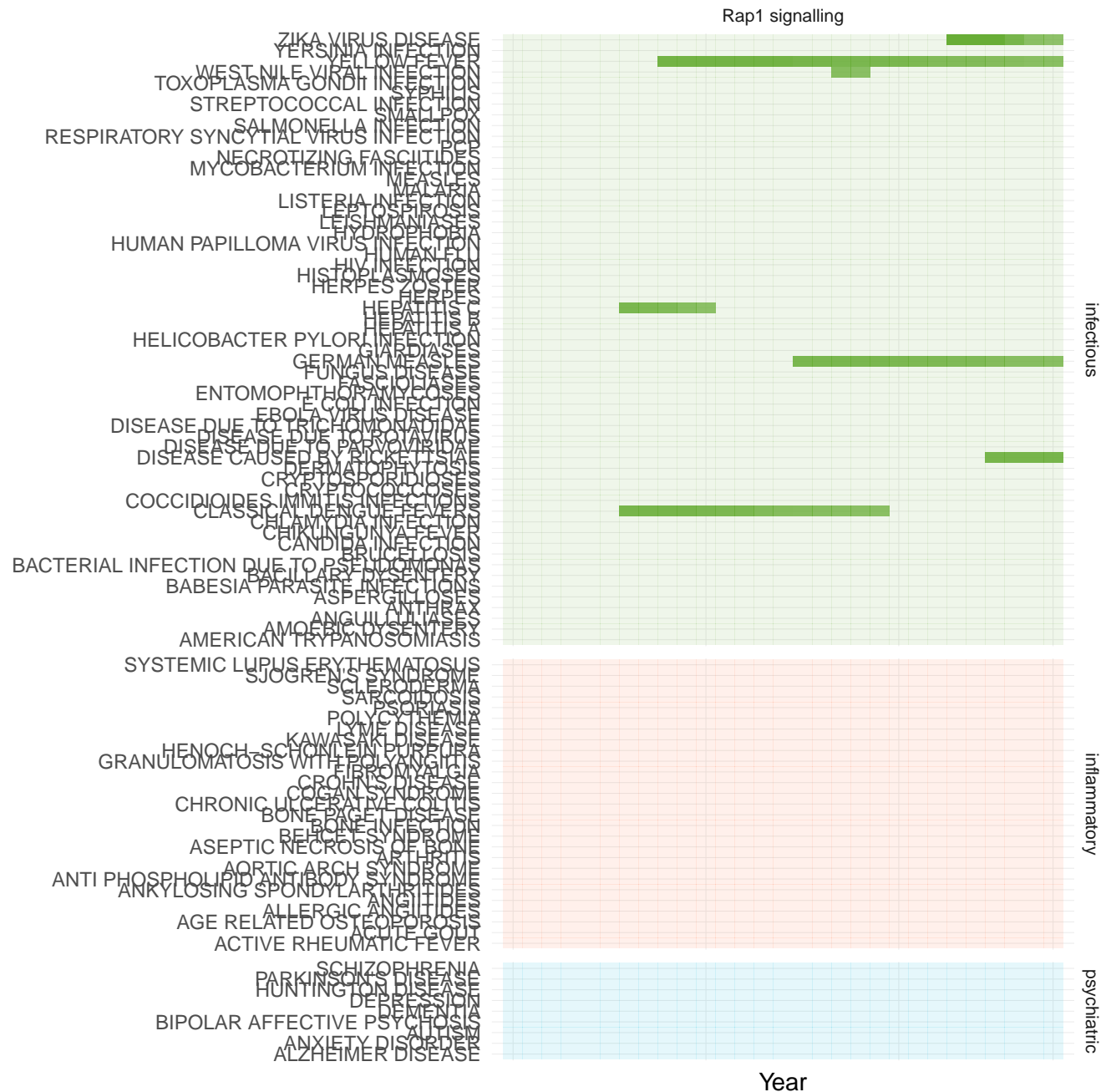


Processing of DNA double-strand break ends

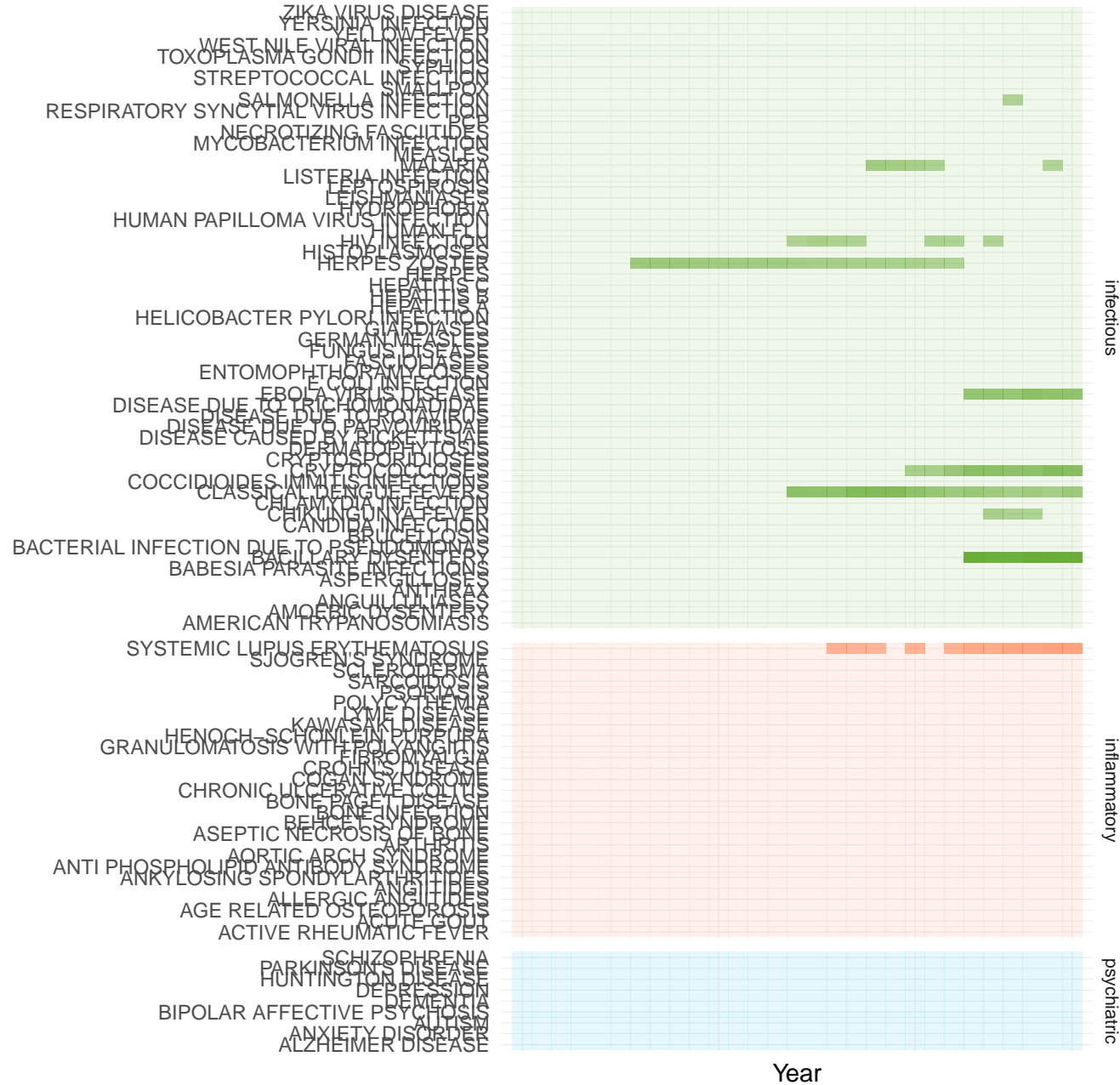


Pyruvate metabolism and Citric Acid (TCA) cycle

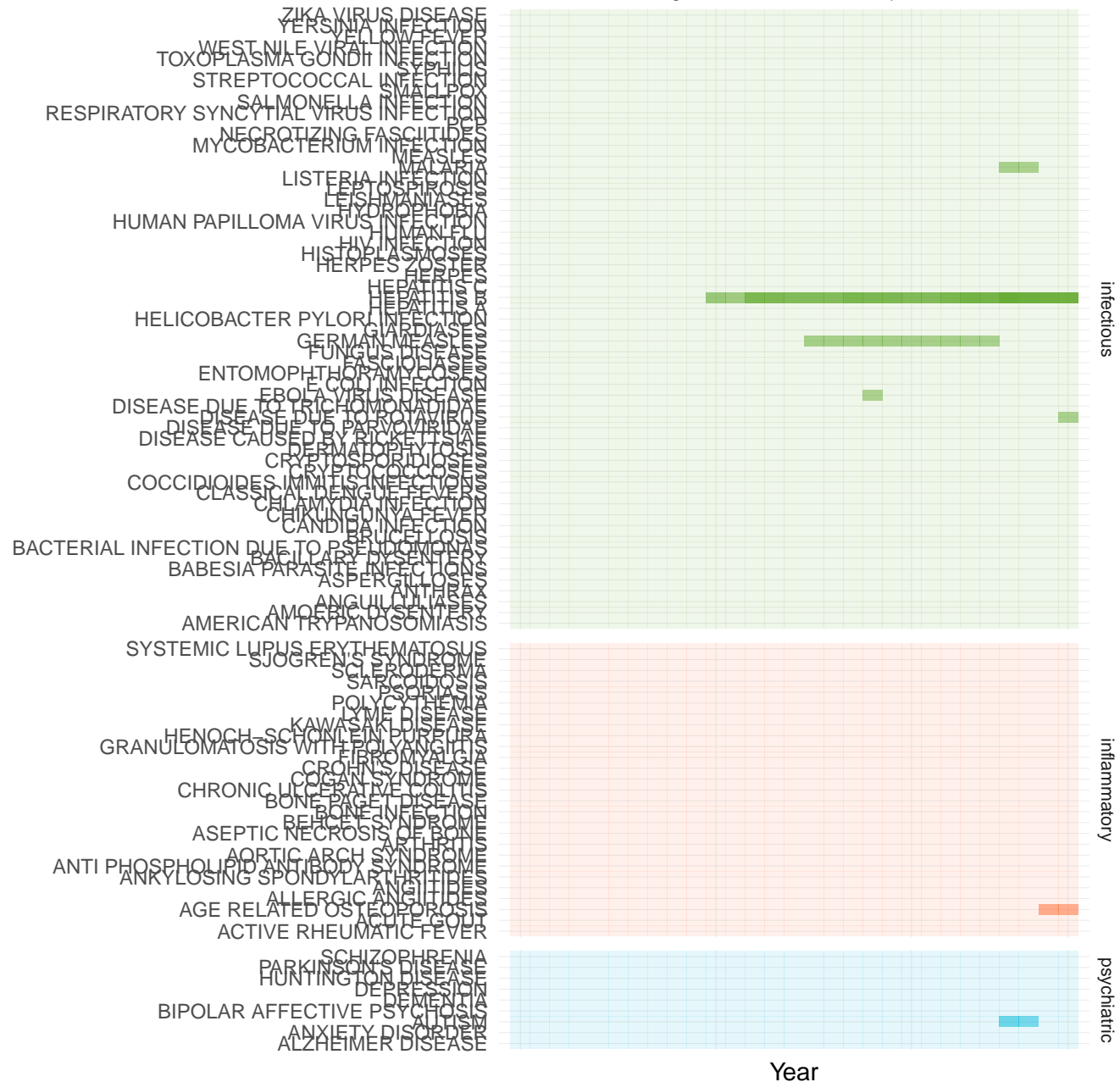




Regulation of actin dynamics for phagocytic cup formation

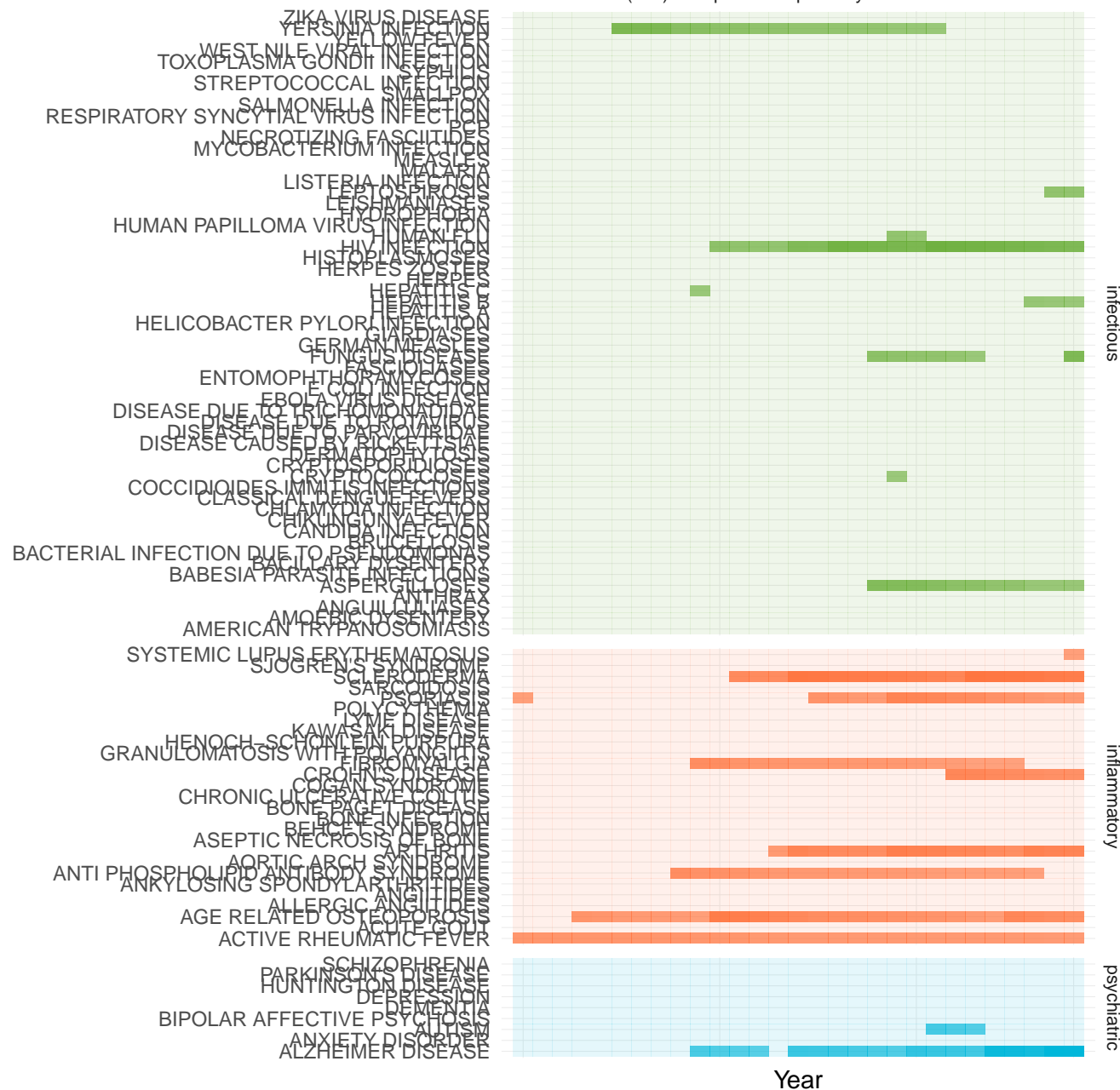


Regulation of beta-cell development





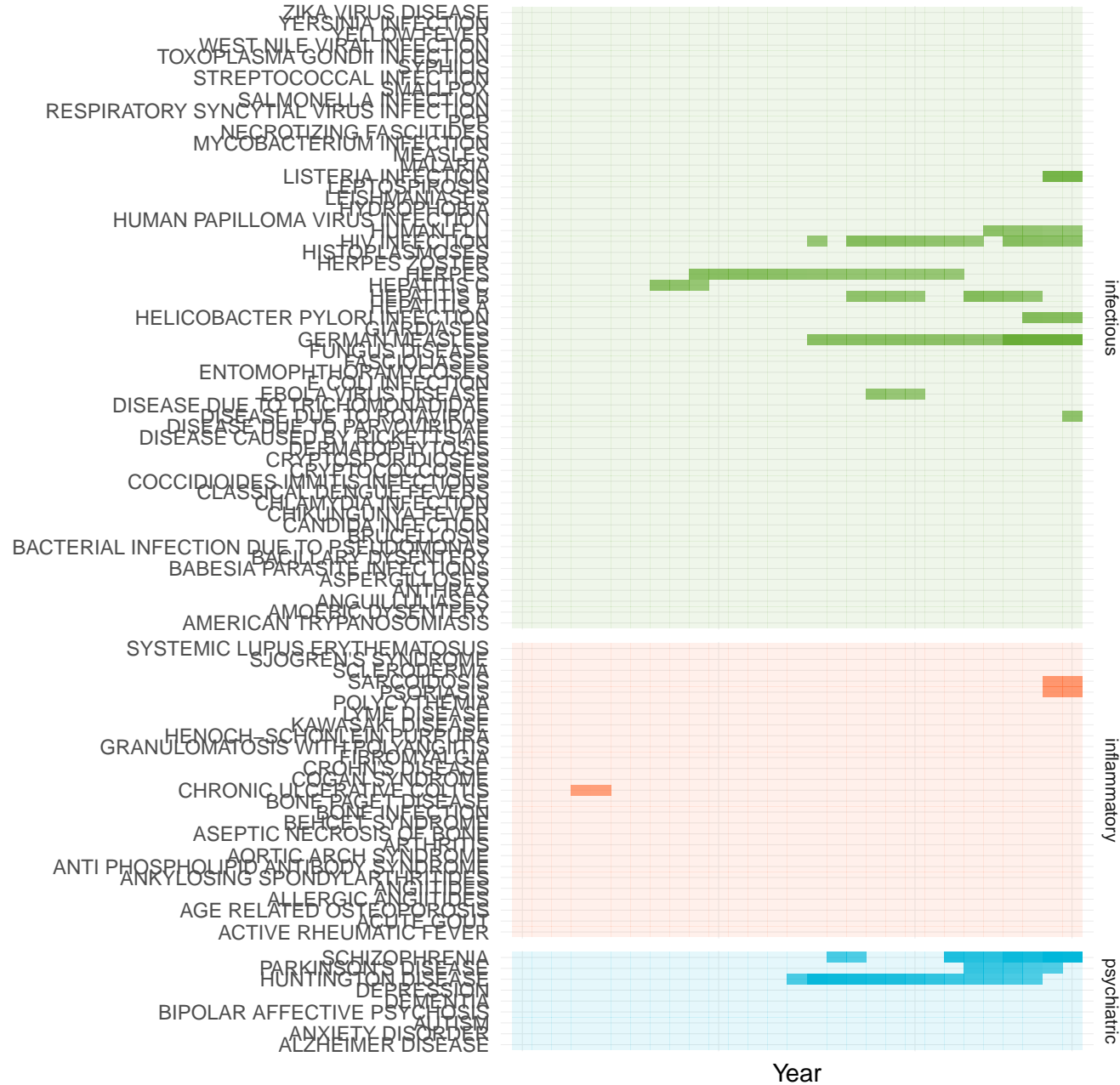
Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor B



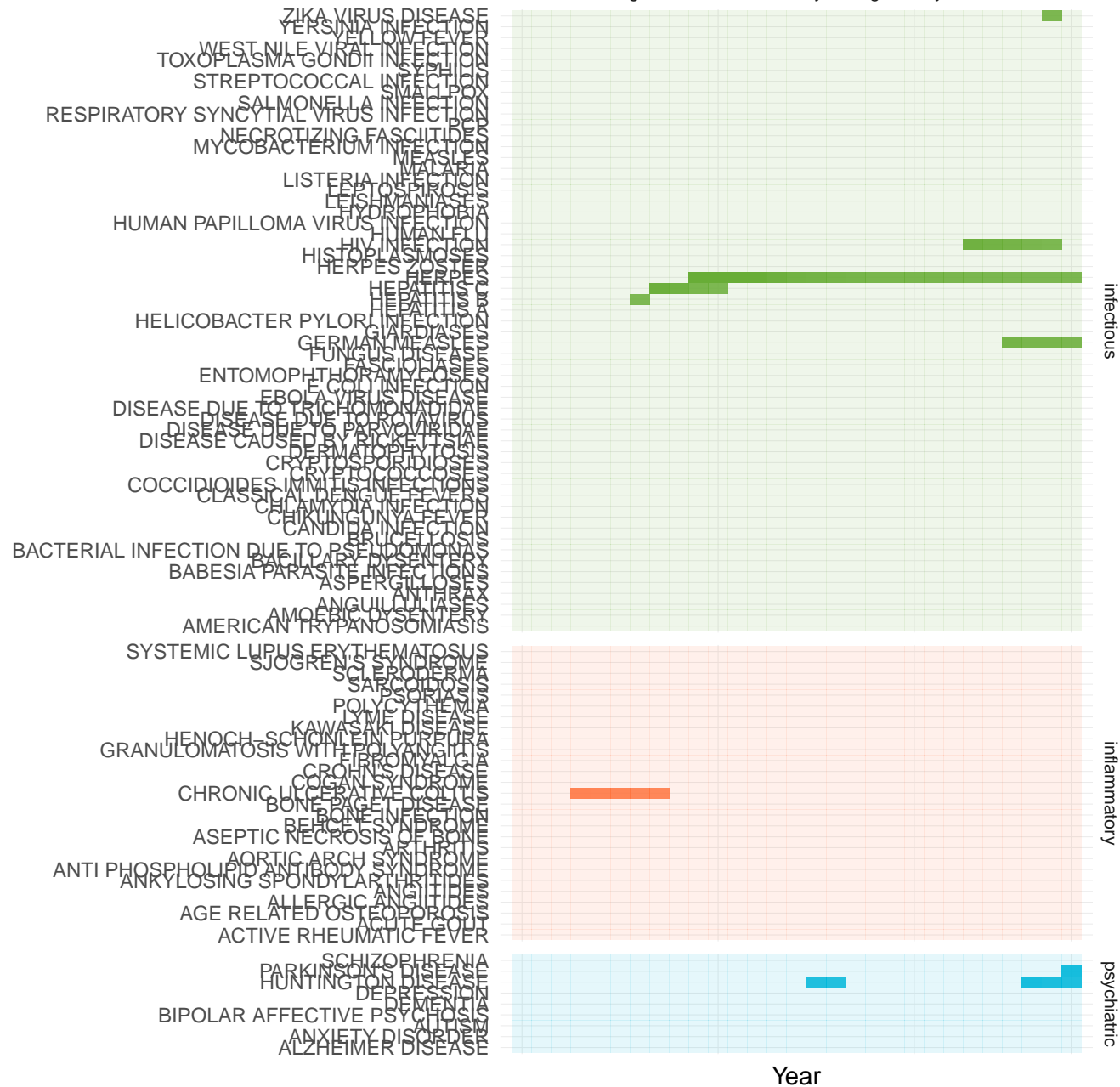




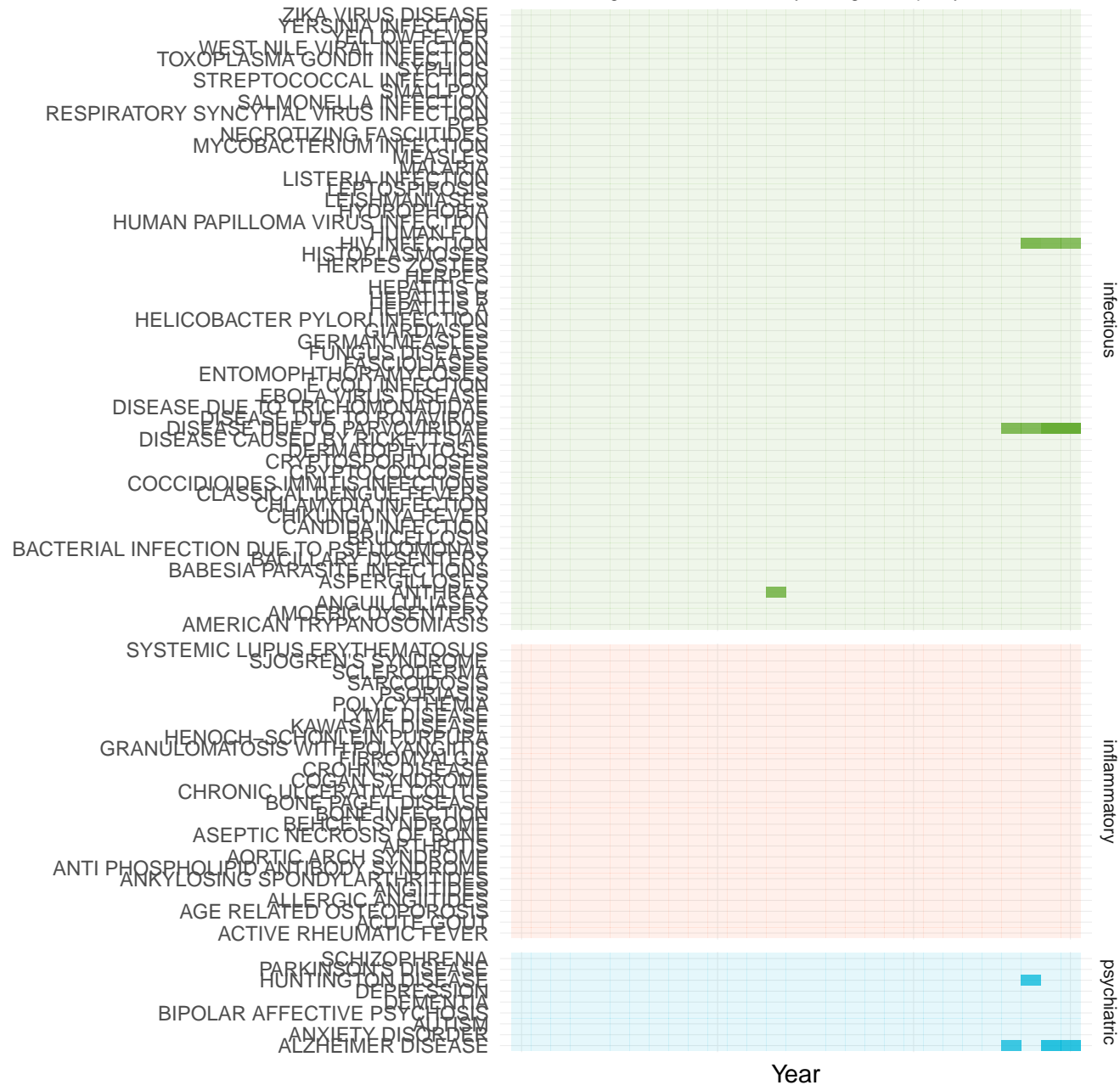
Regulation of TP53 Activity through Acetylation



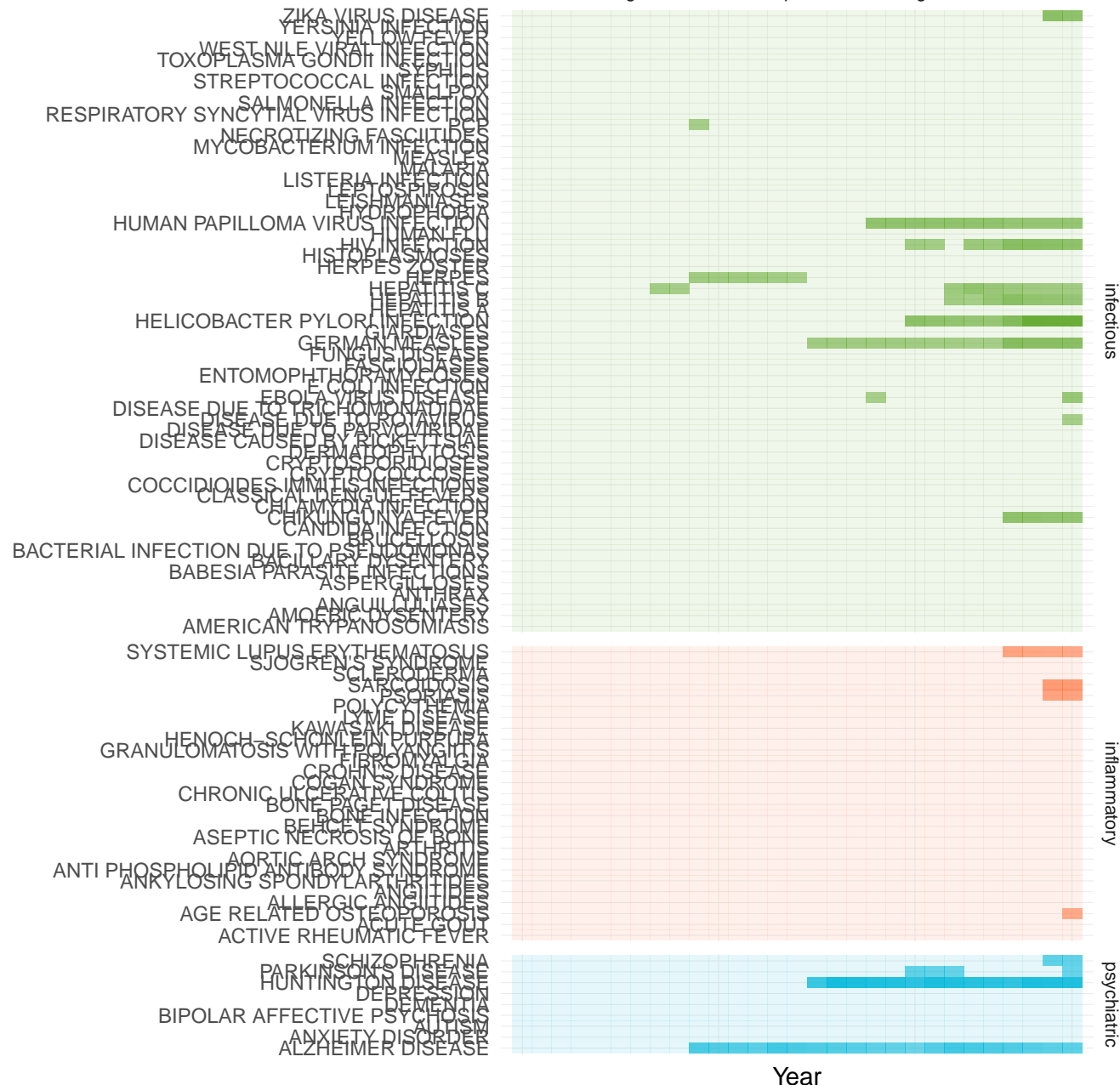
Regulation of TP53 Activity through Methylation

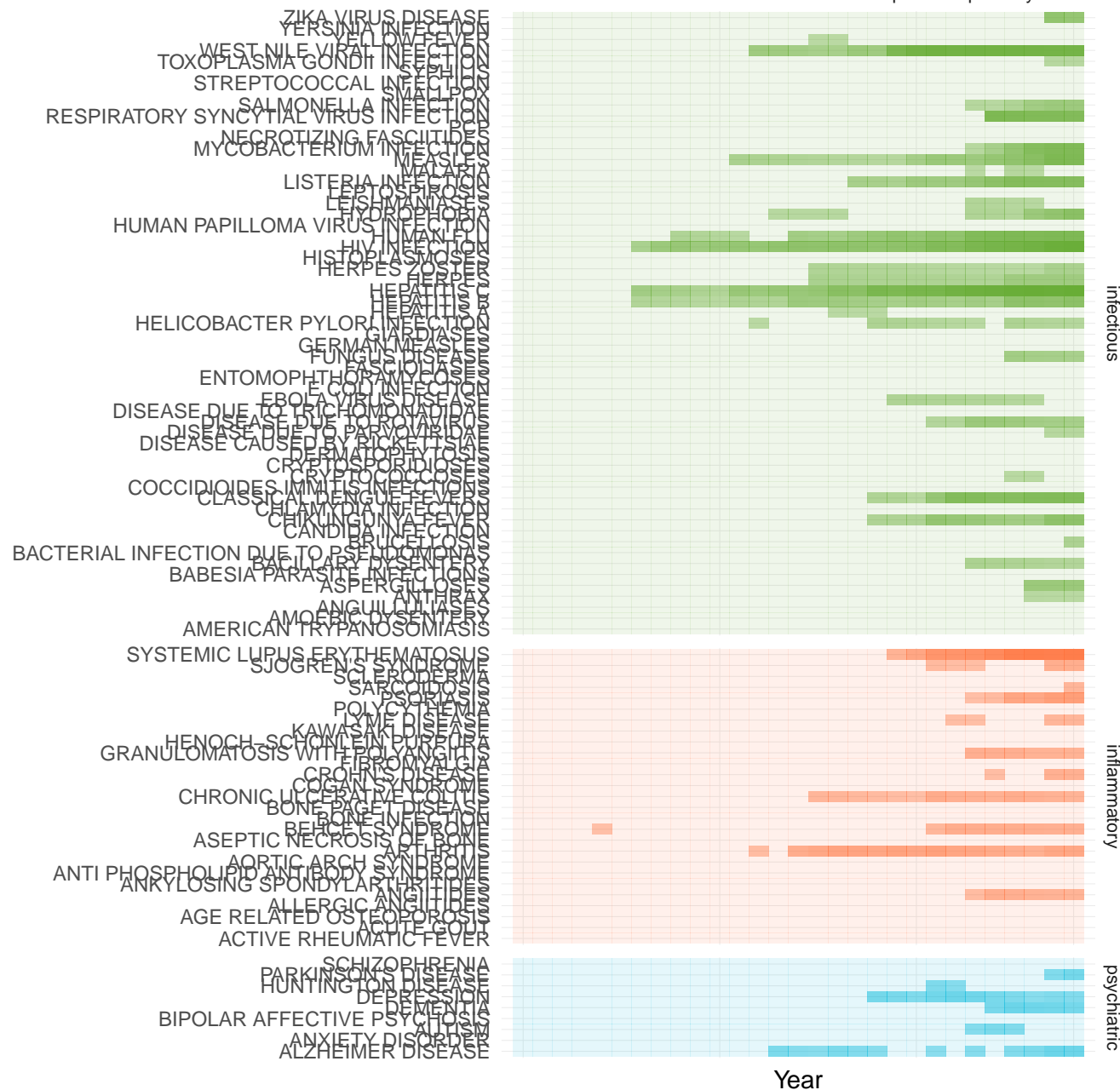


Regulation of TP53 Activity through Phosphorylation



Regulation of TP53 Expression and Degradation



RIG-I/MDA5 mediated induction of IFN- α / β pathways

RMTs methylate histone arginines



RNA Polymerase III Abortive And Retractive Initiation



RNA polymerase II transcribes snRNA genes



rRNA modification in the nucleus

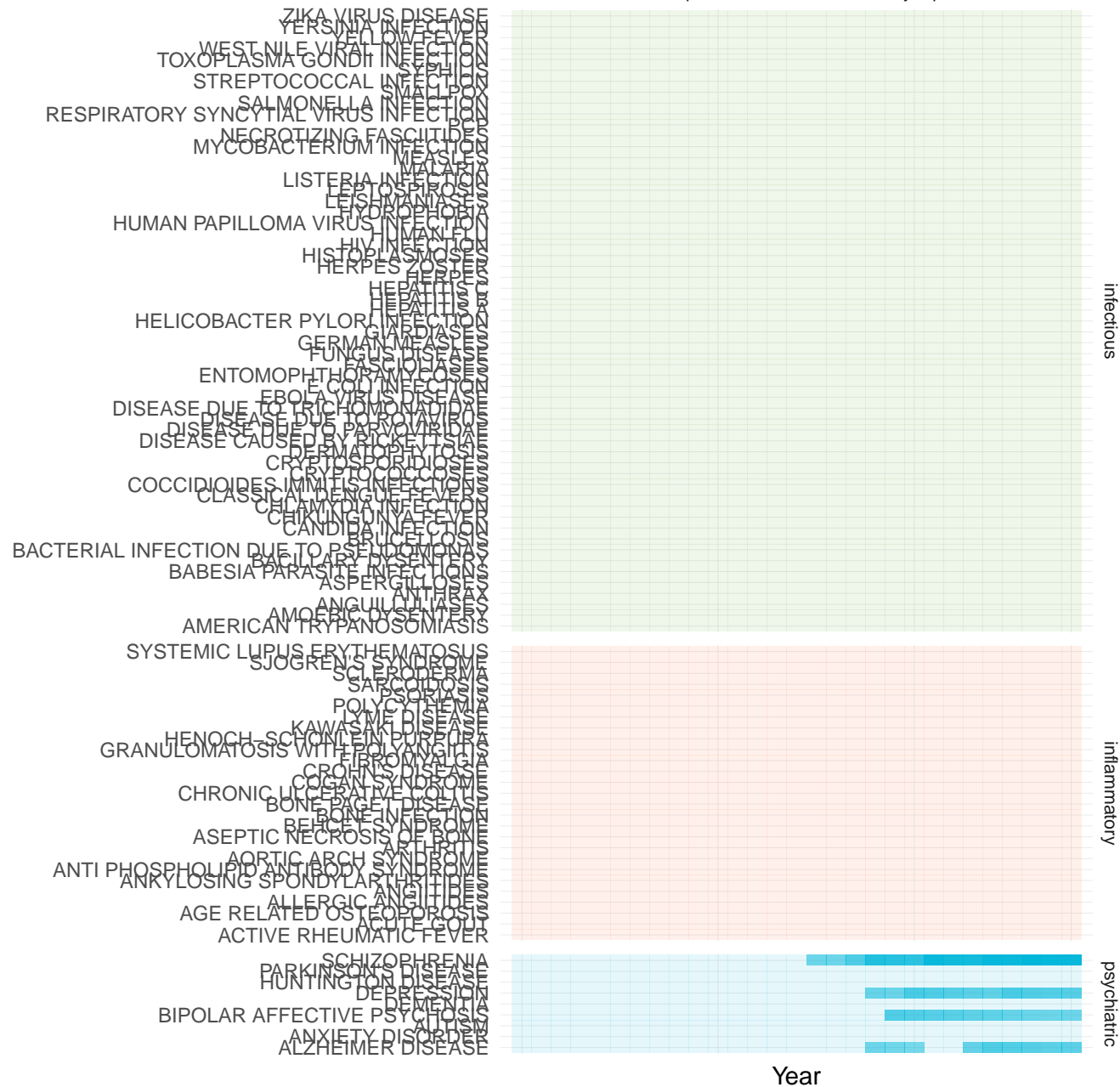
infectious

inflammatory

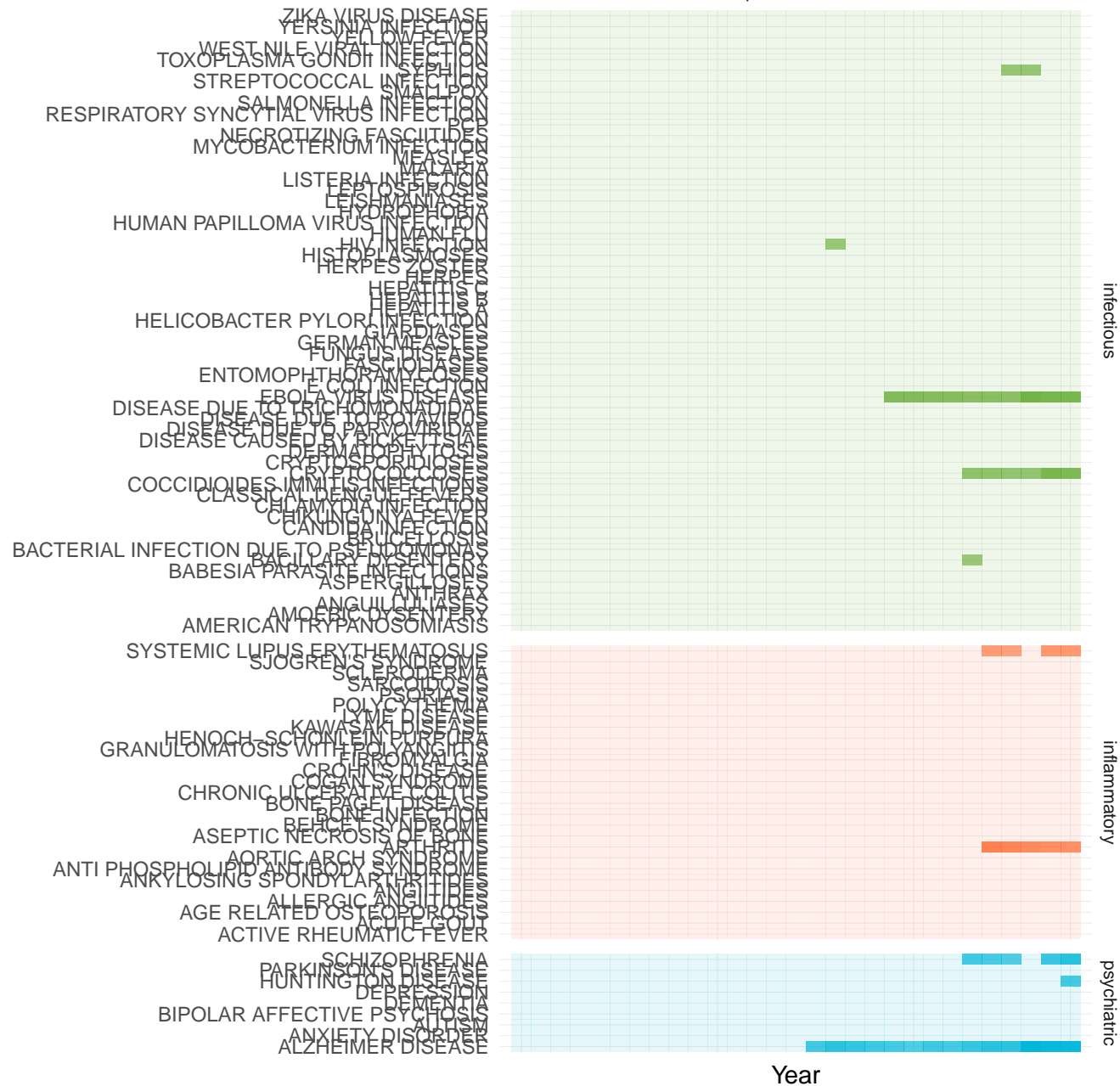
psychiatric

Year

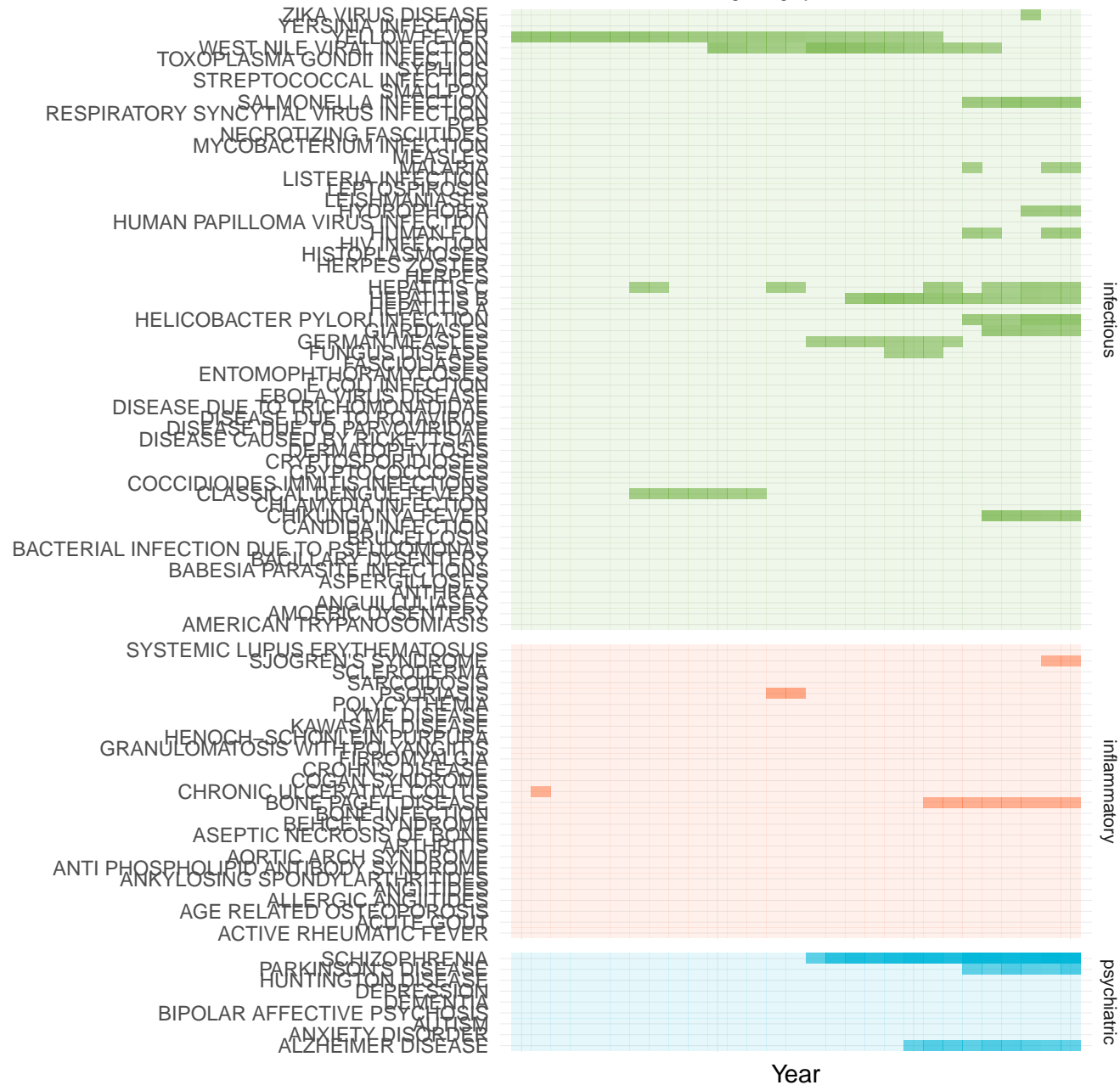
SALM protein interactions at the synapse



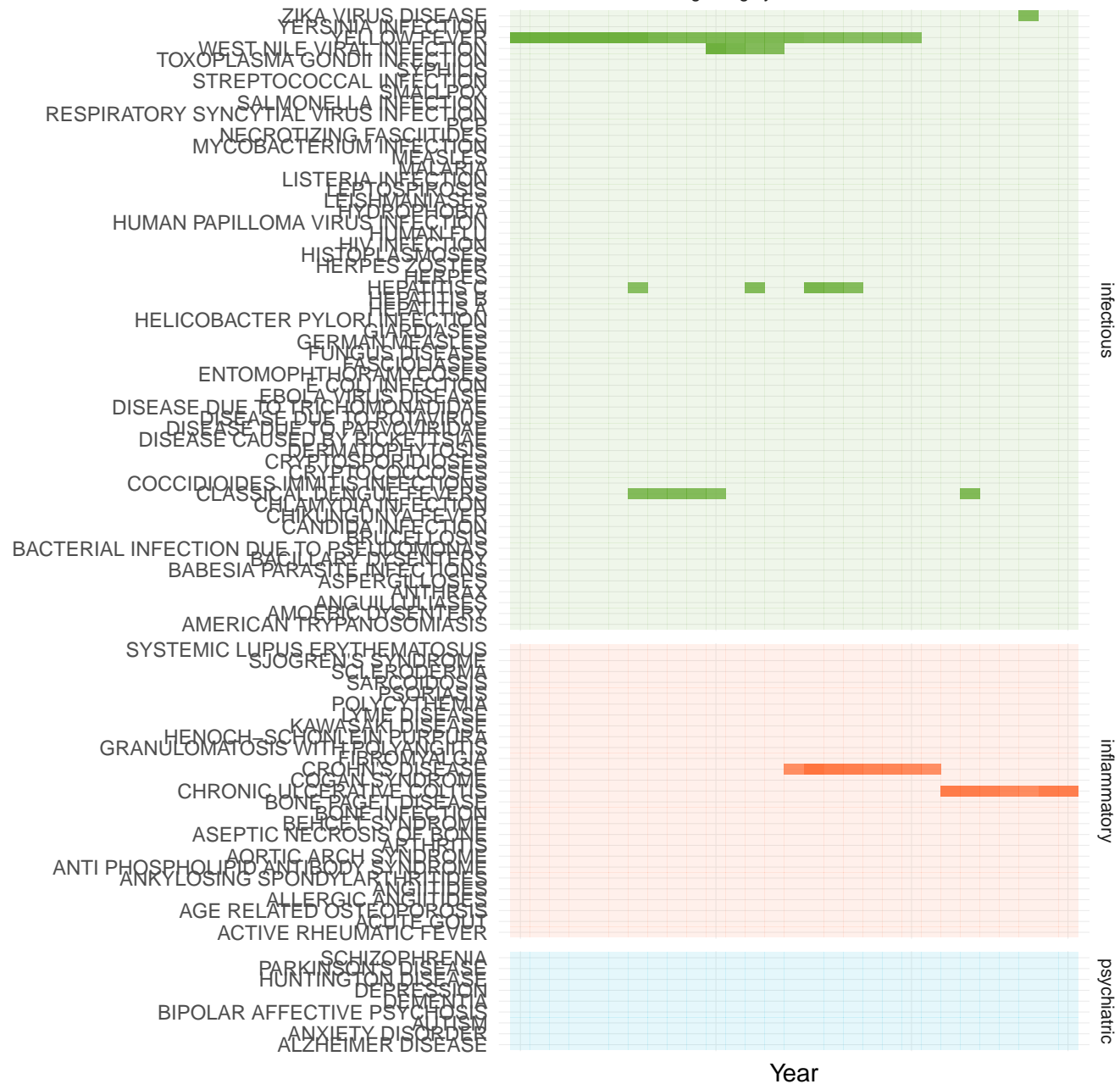
Semaphorin interactions



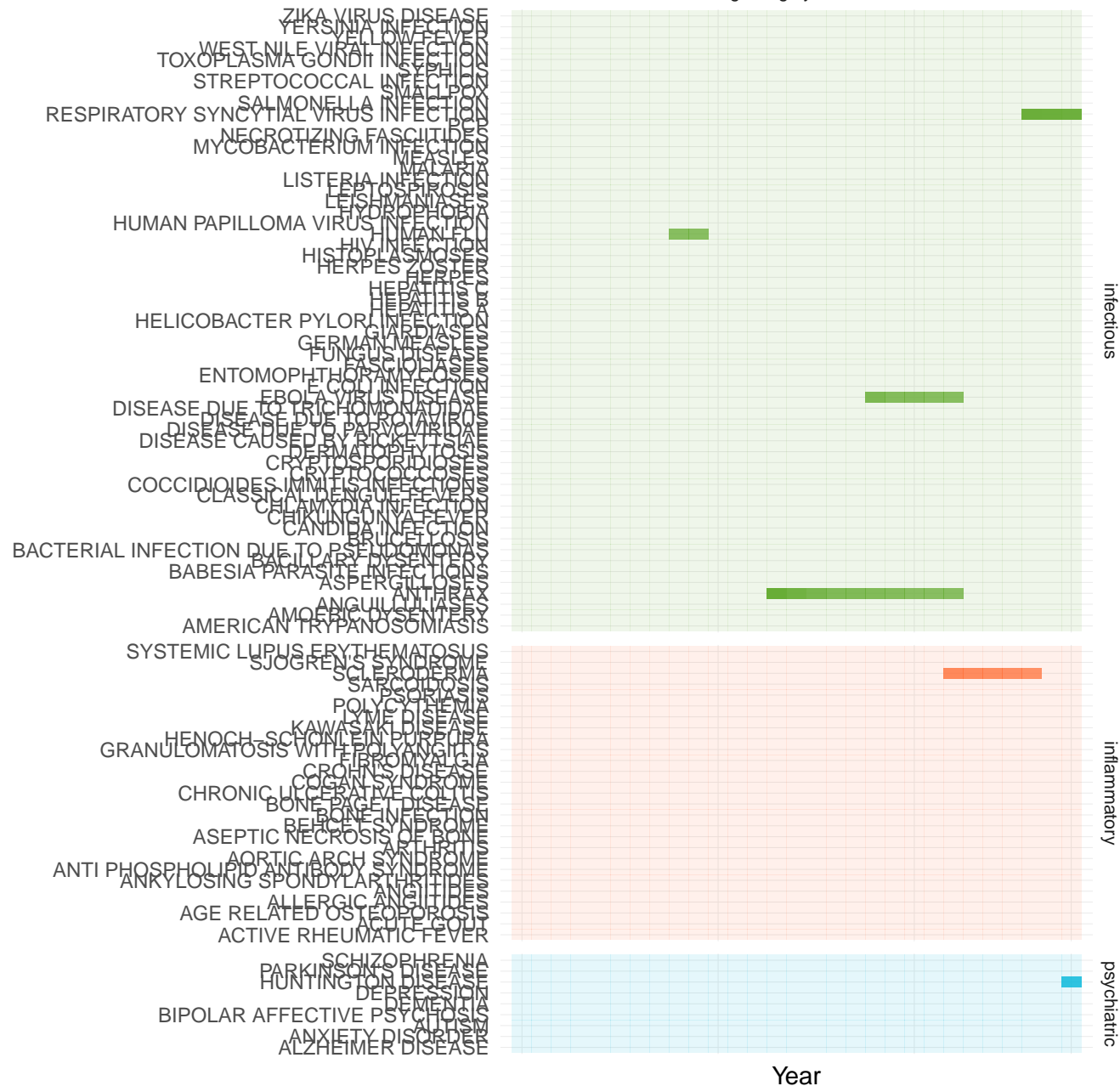
Signaling by ERBB2



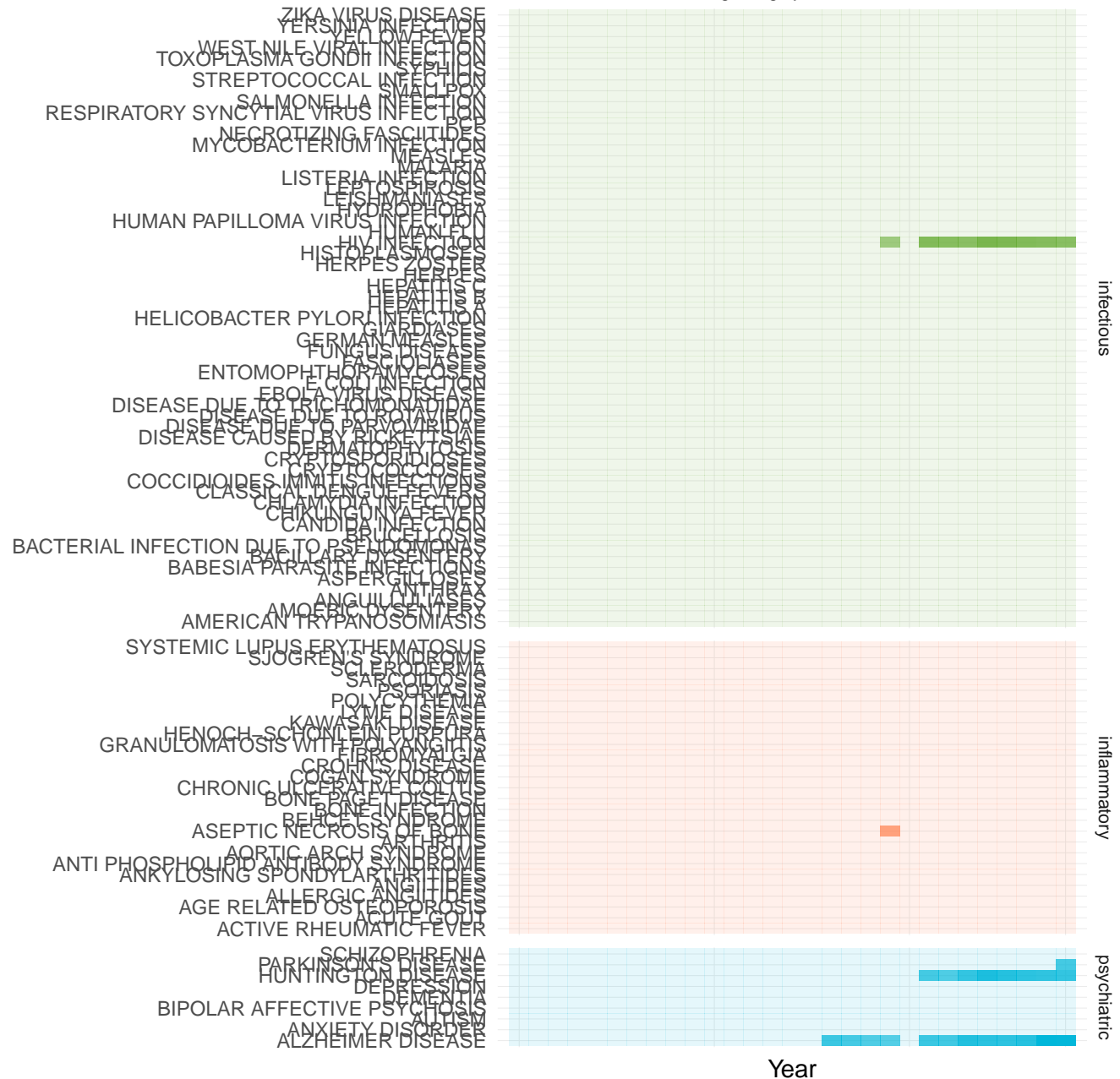
Signaling by FGFR in disease



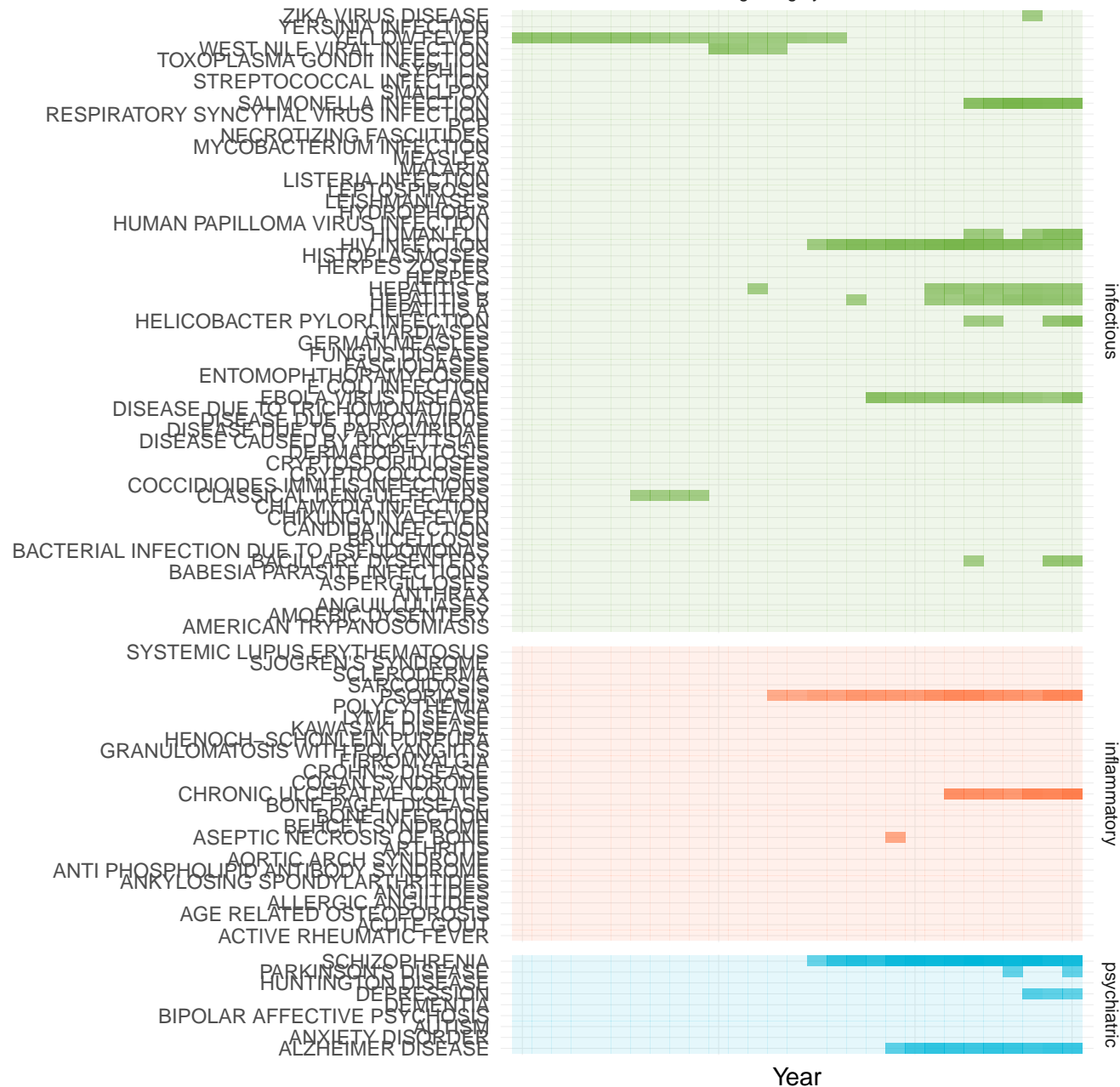
Signaling by NODAL



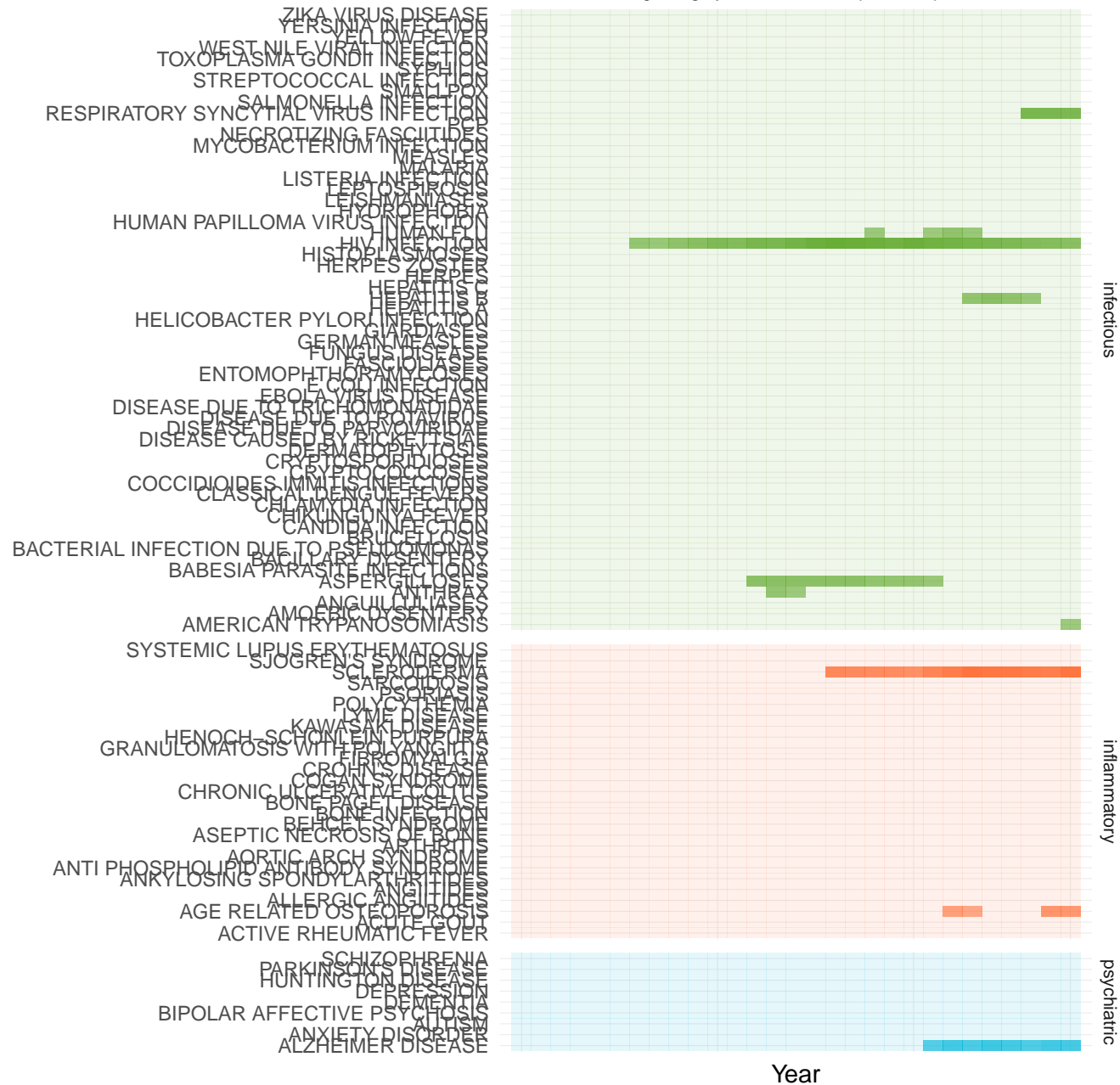
Signaling by NOTCH1



Signaling by PTK6



Signaling by TGF-beta Receptor Complex











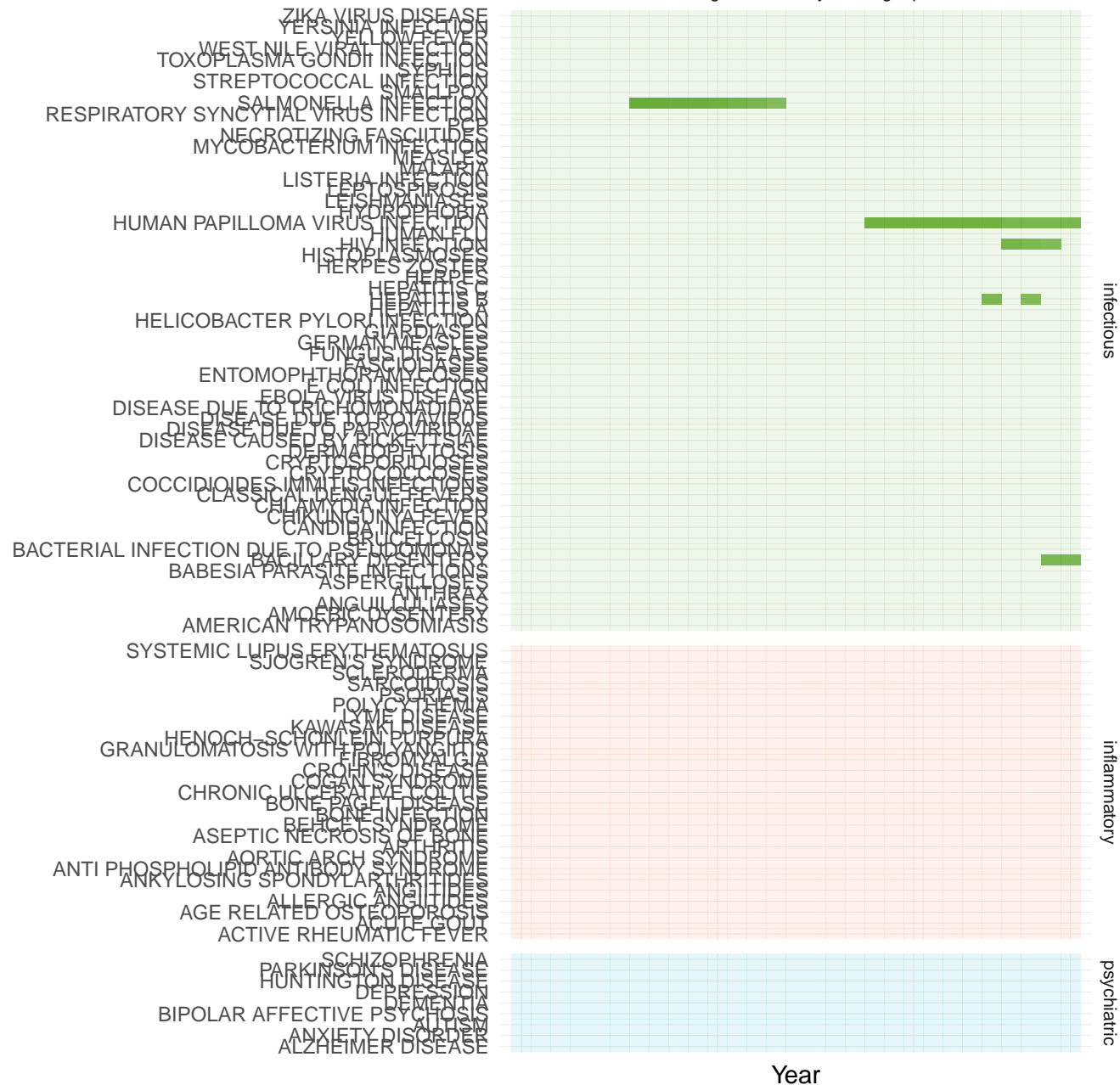
Striated Muscle Contraction

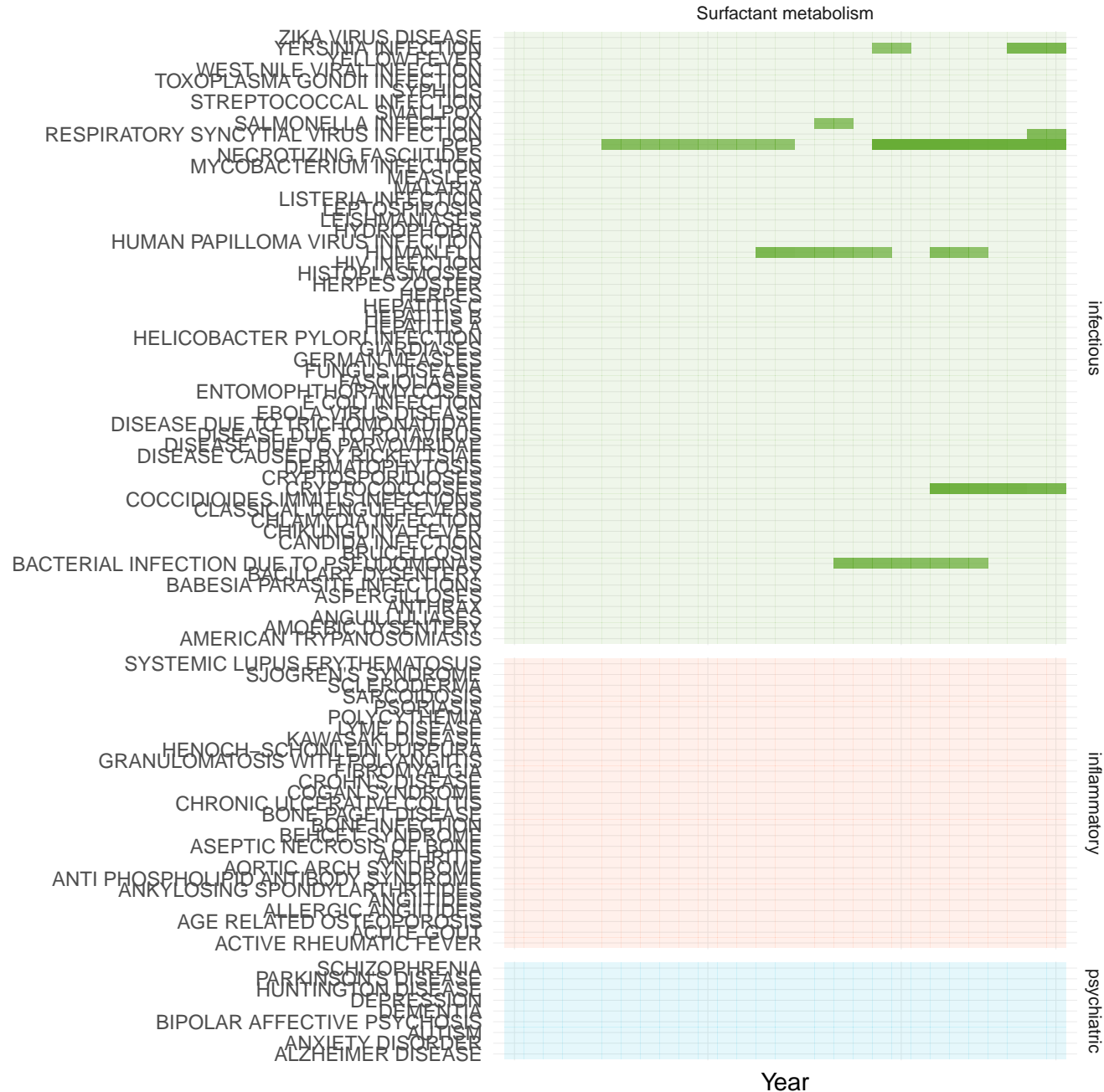
infectious

inflammatory

psychiatric

Year





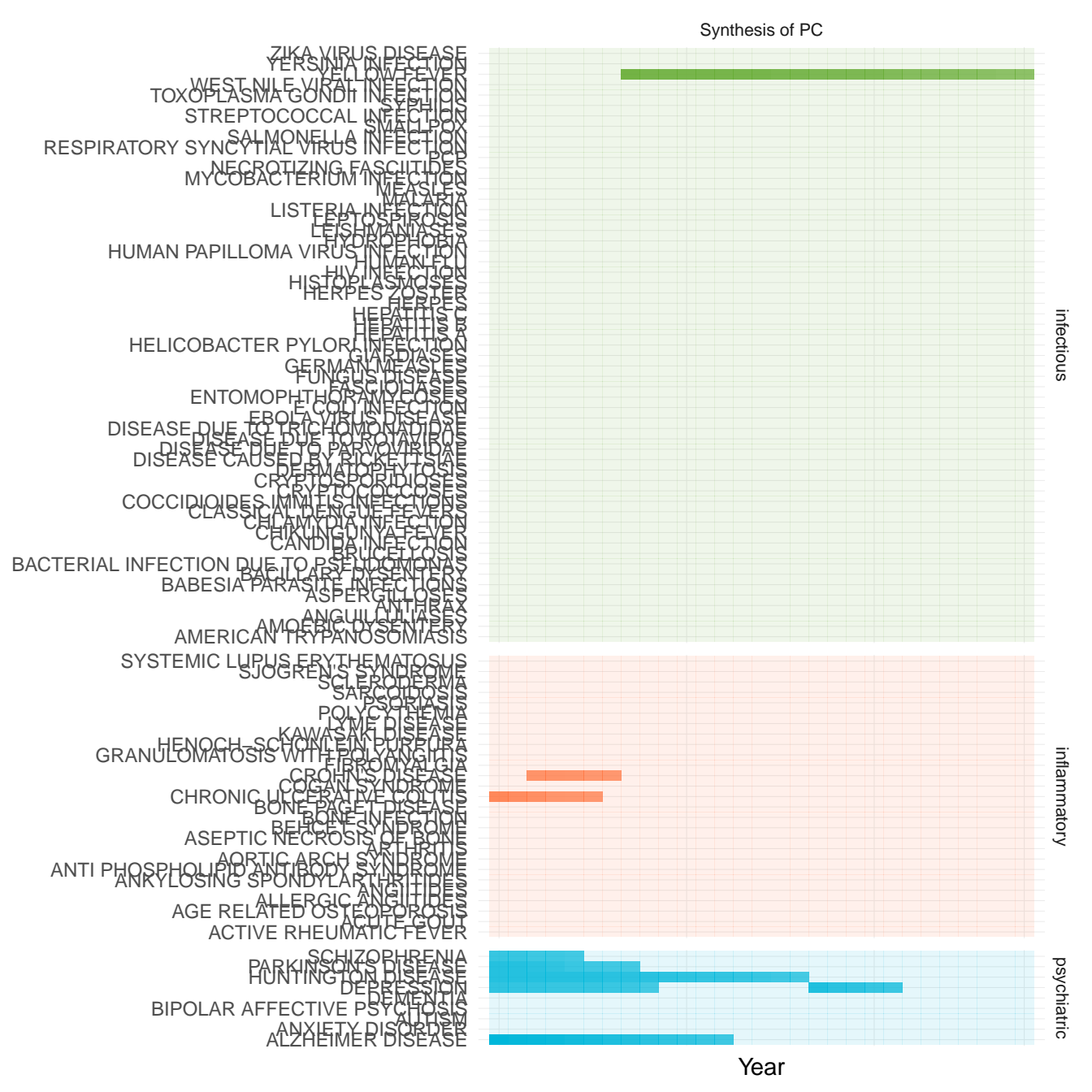
Synthesis of PA

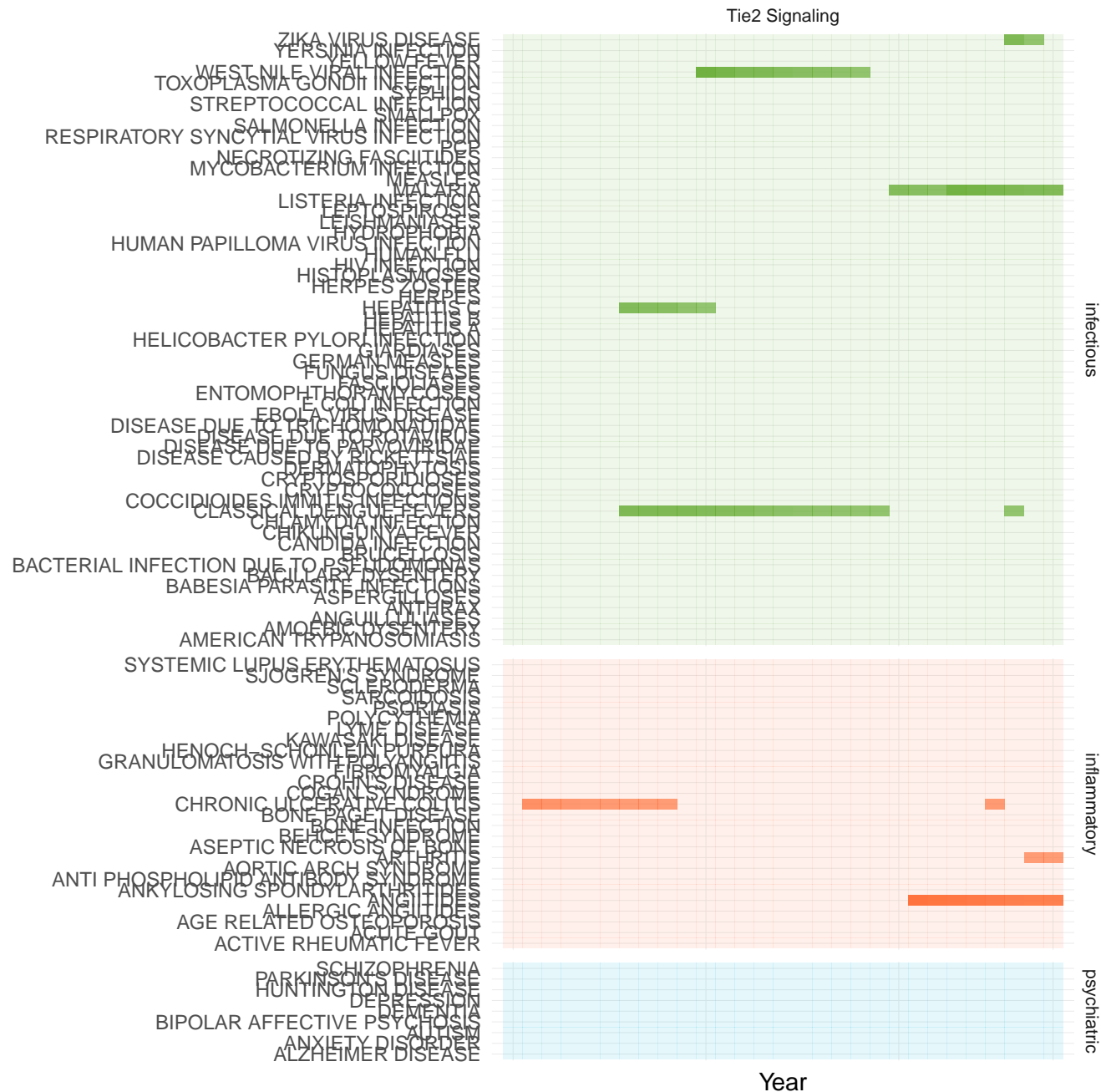
infectious

inflammatory

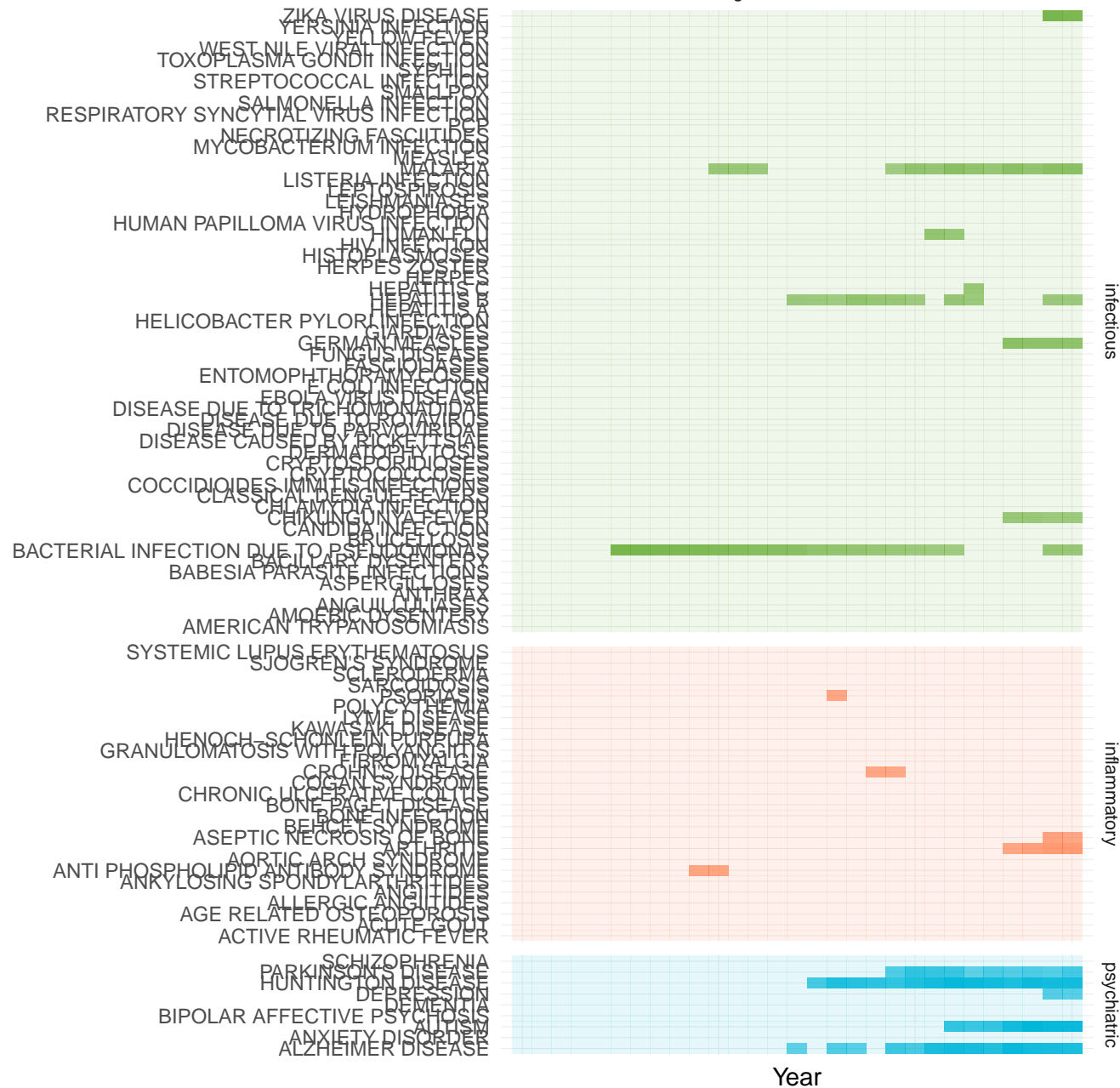
psychiatric

Year

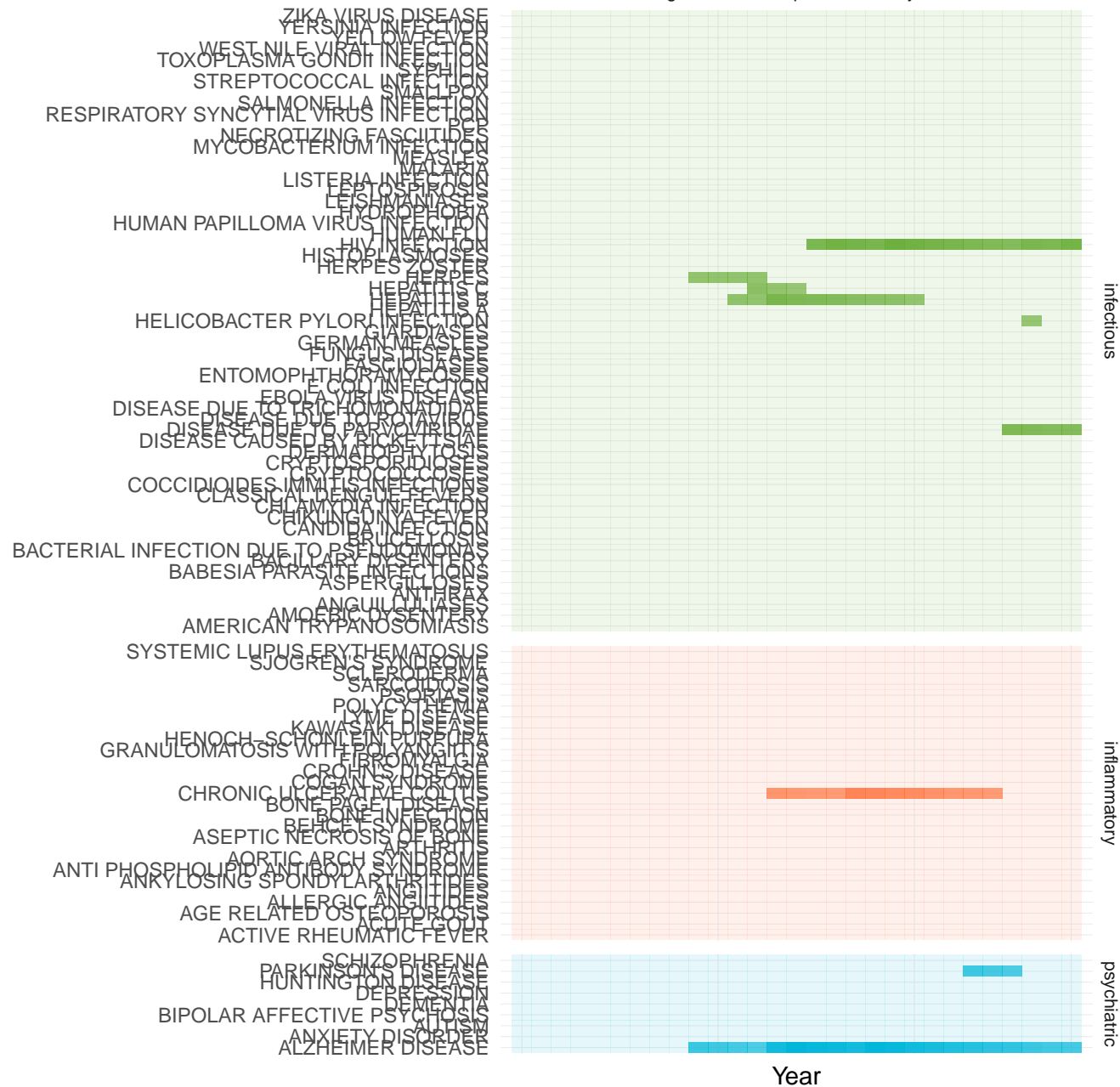




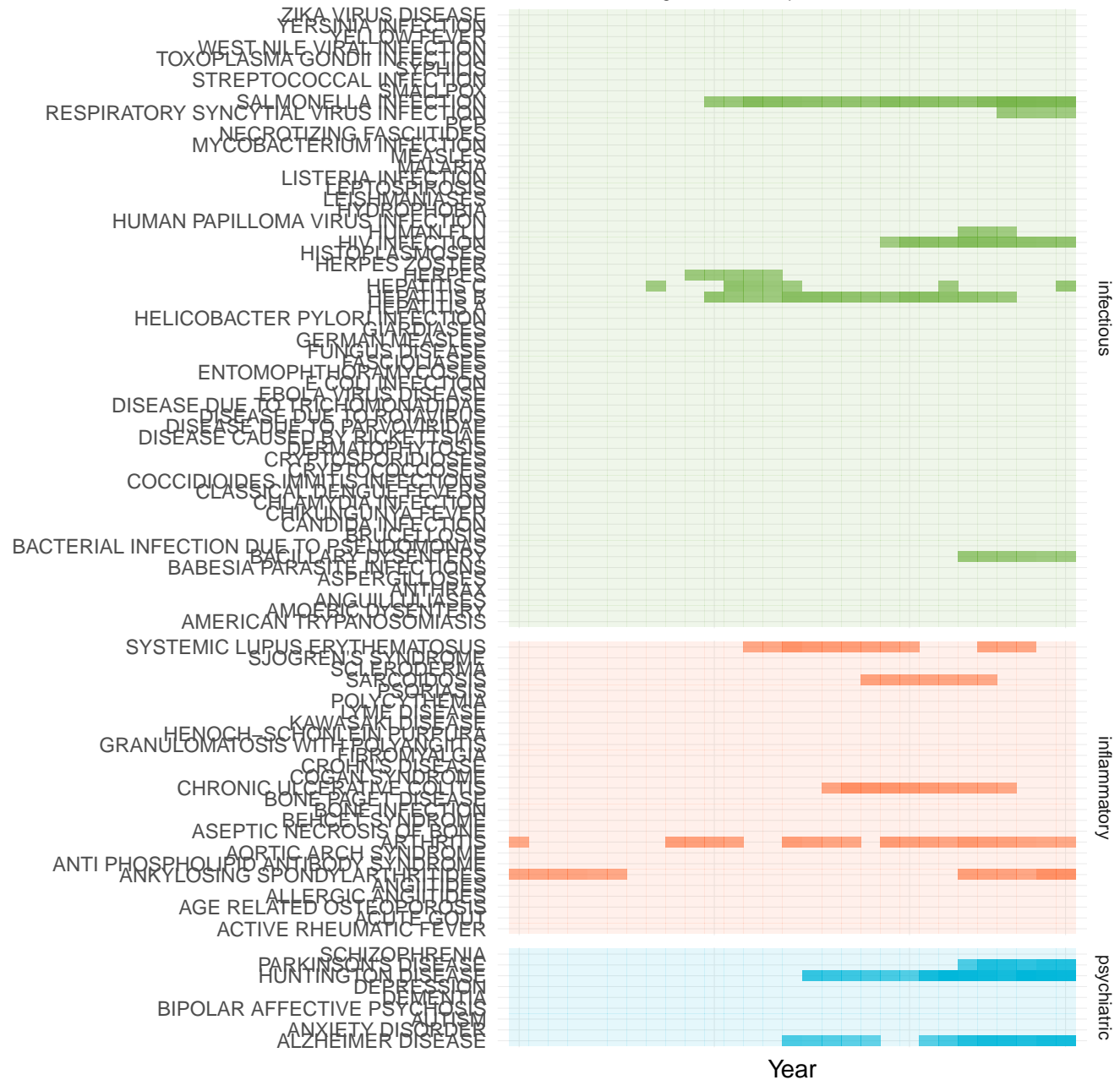
TP53 Regulates Metabolic Genes

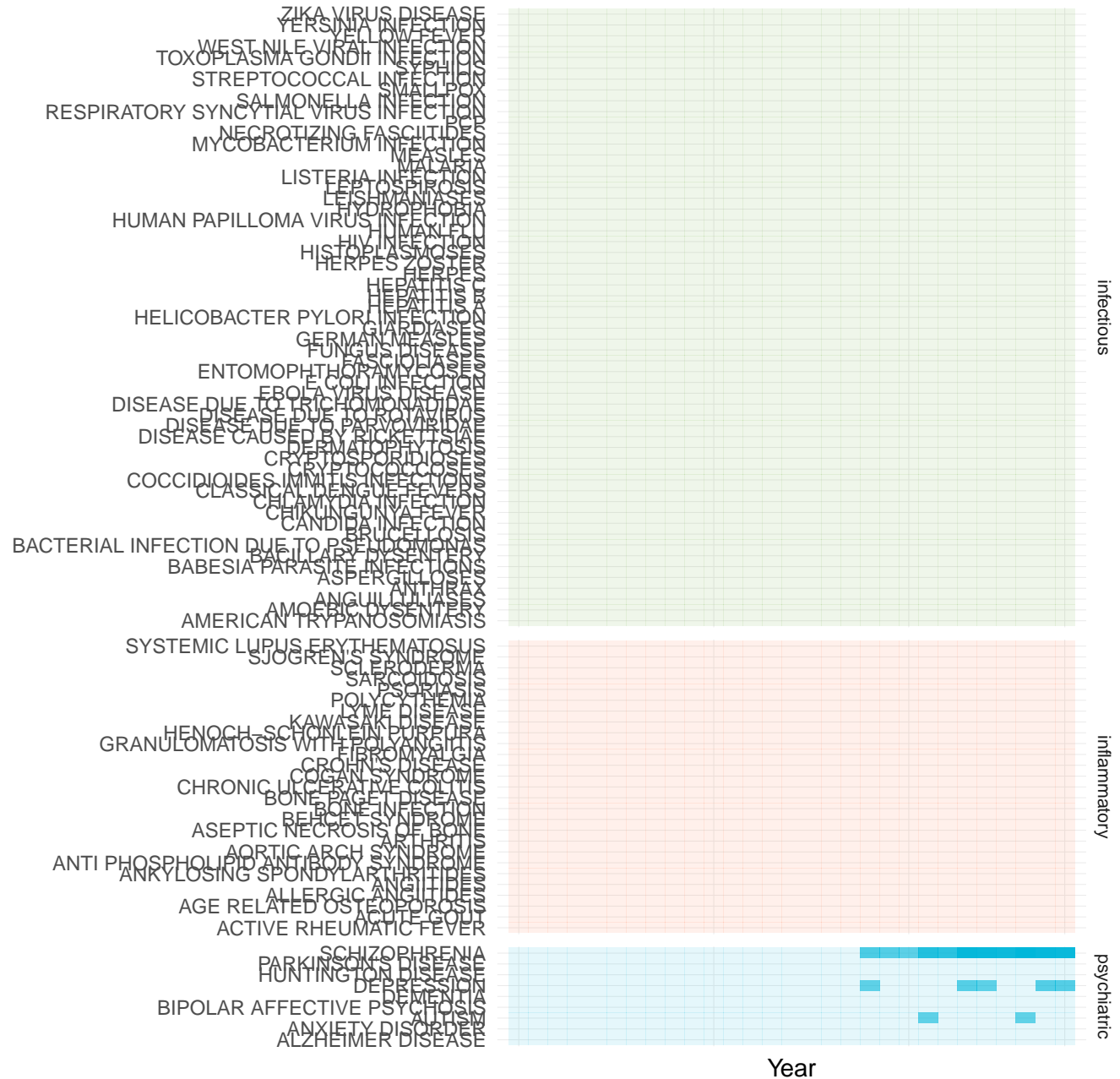


TP53 Regulates Transcription of Cell Cycle Genes

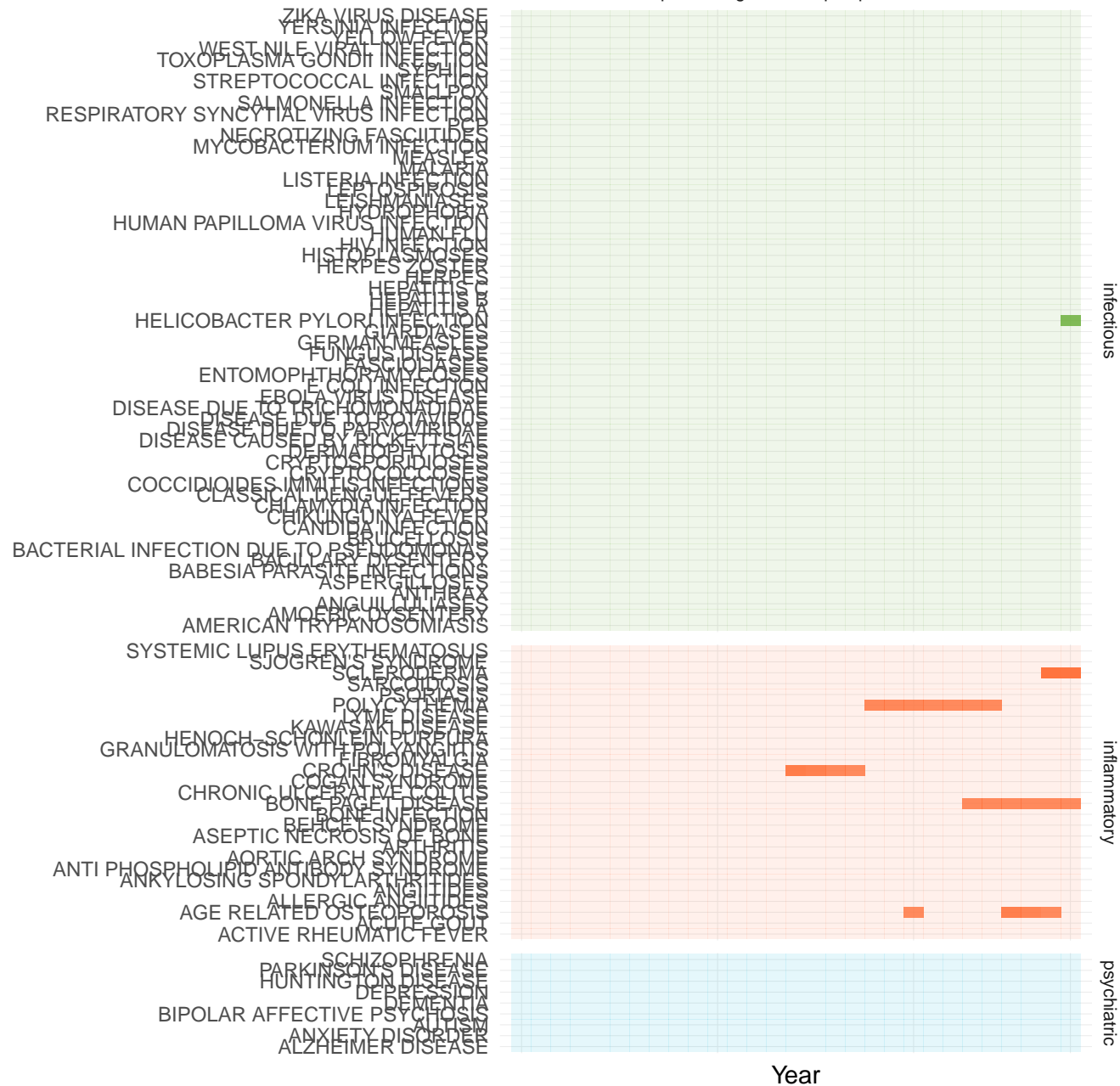


TP53 Regulates Transcription of Cell Death Genes





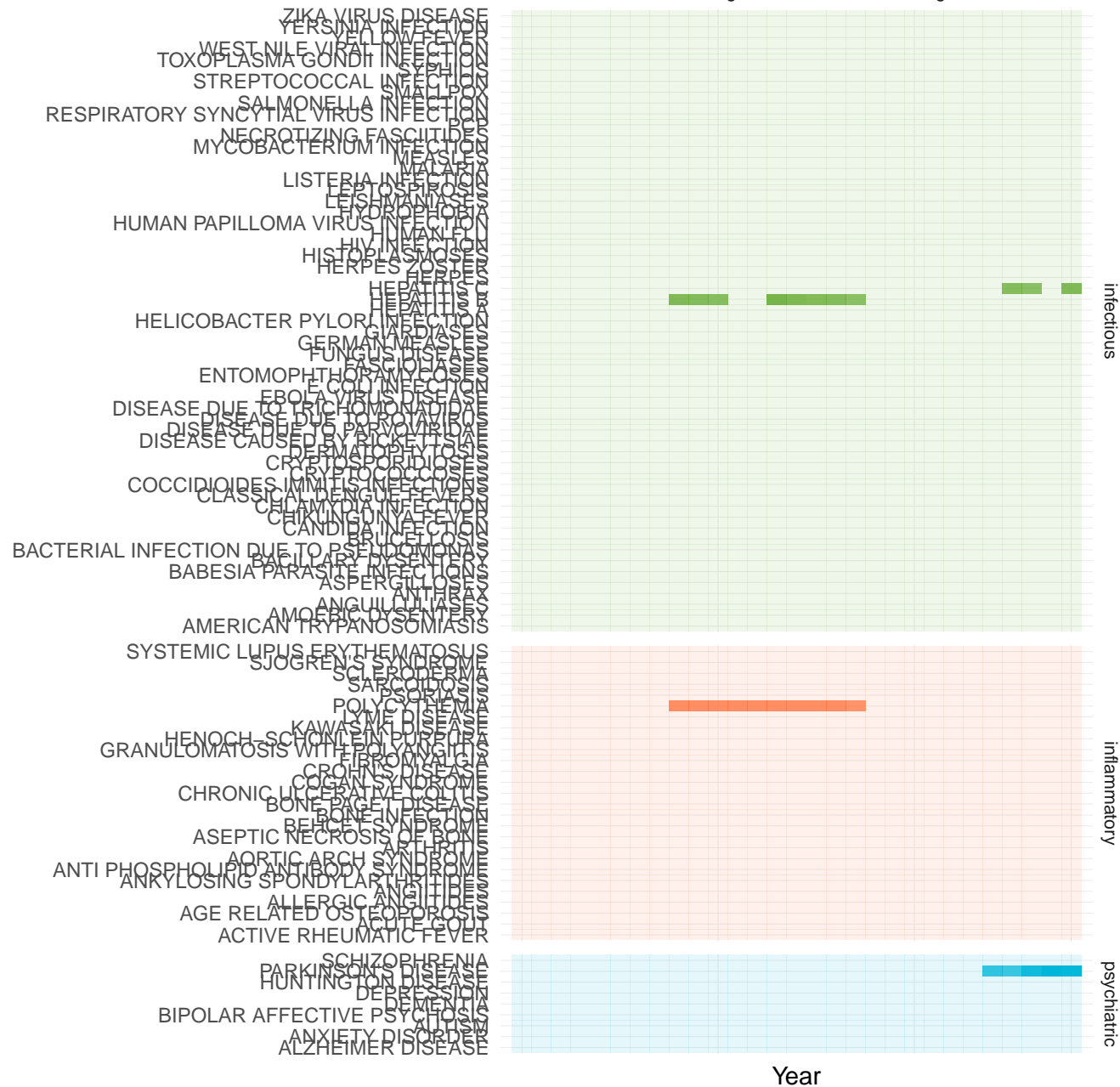
Transcriptional regulation of pluripotent stem cells



Transcription of the HIV genome



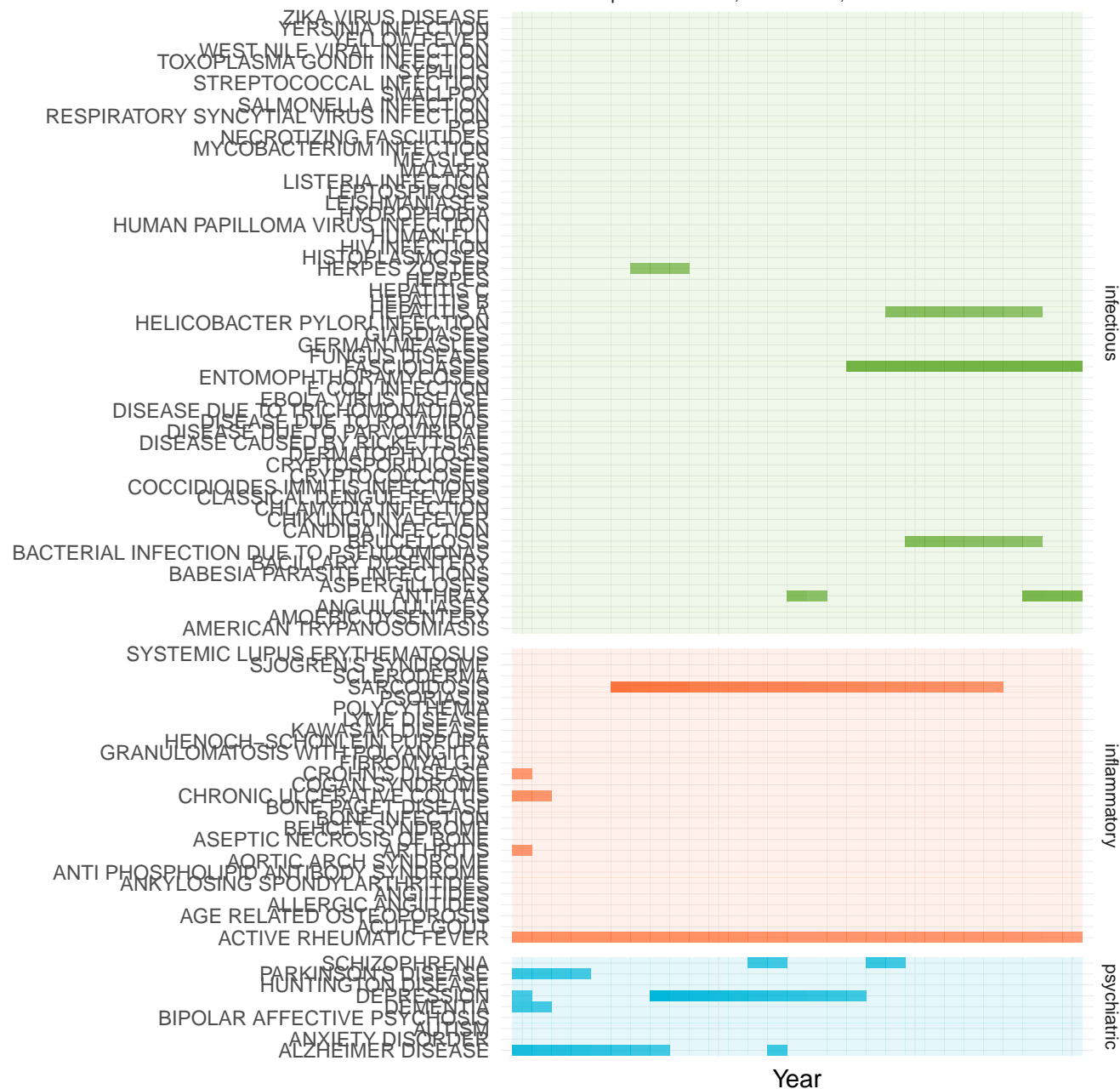
trans-Golgi Network Vesicle Budding



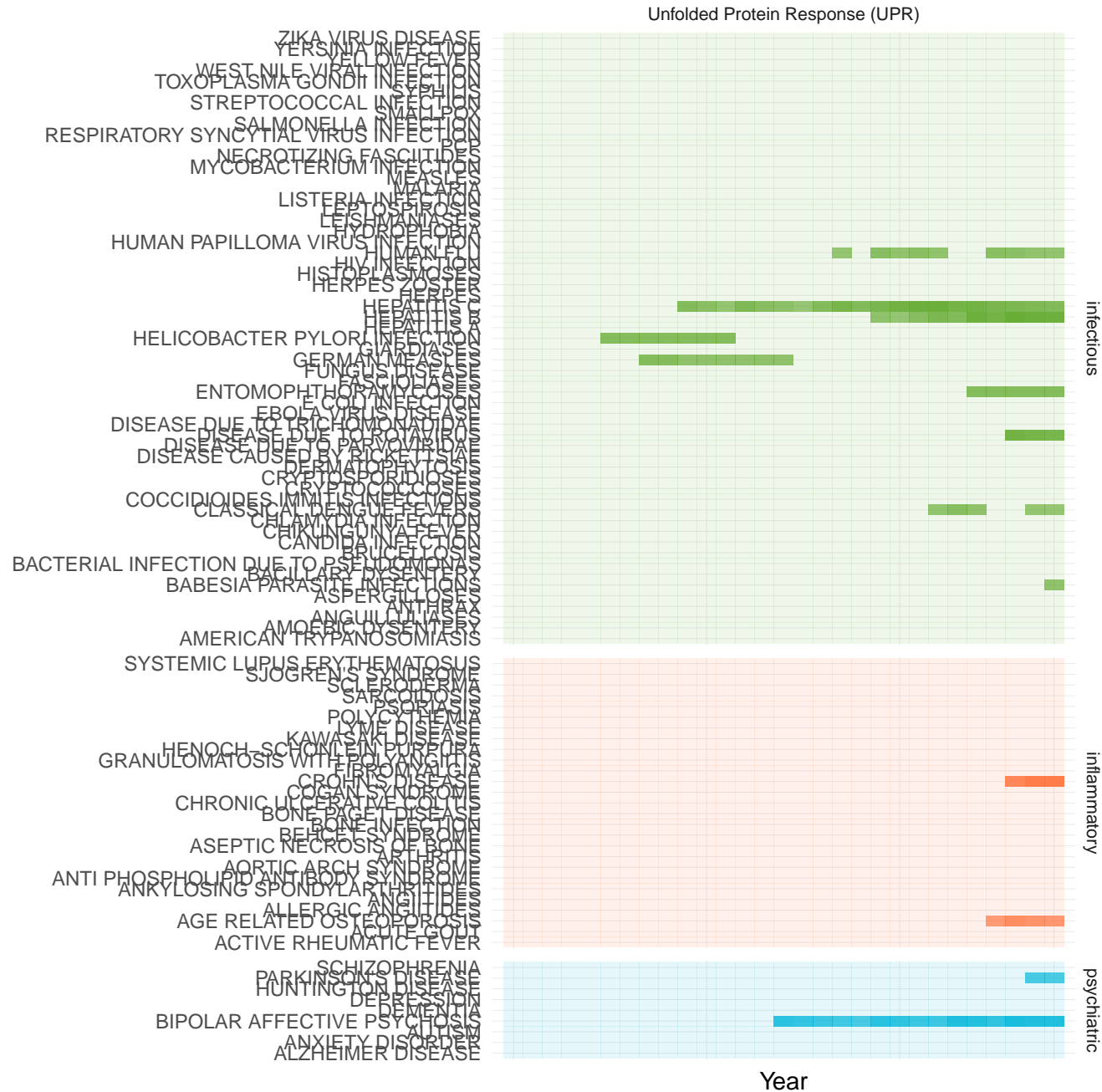
Translocation of GLUT4 to the plasma membrane



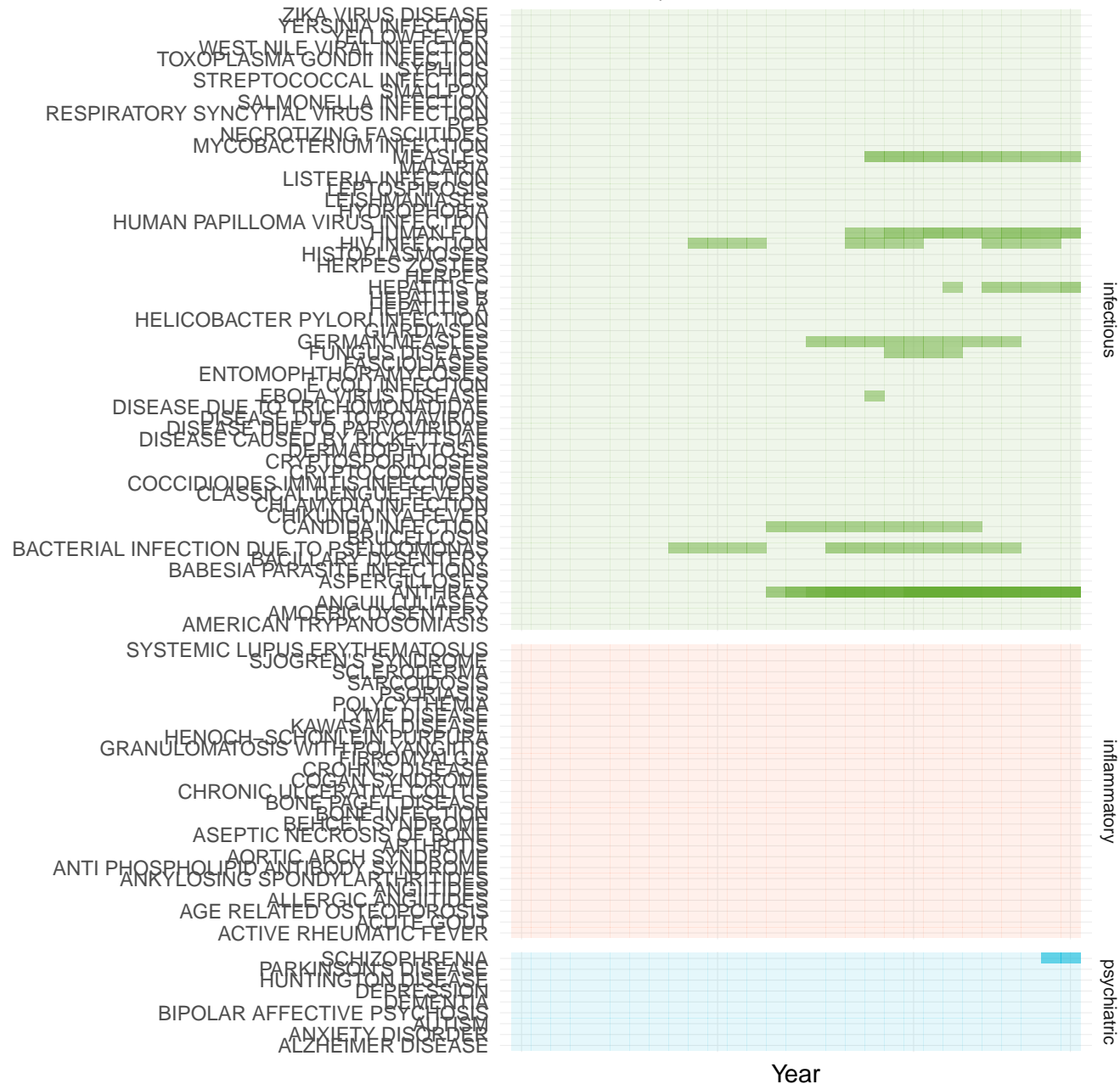
Transport of vitamins, nucleosides, and related molecules

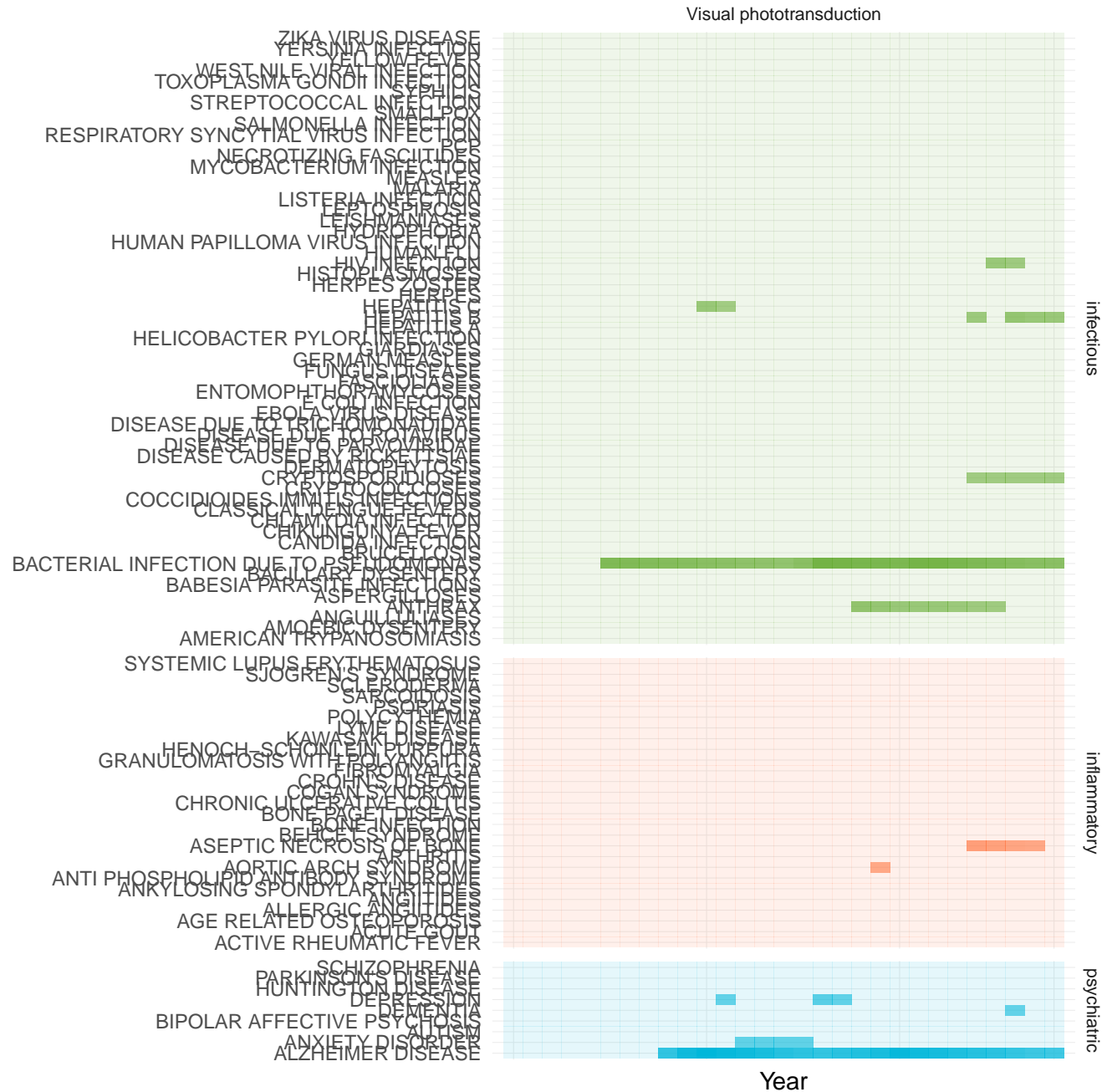






Uptake and actions of bacterial toxins





YAP1- and WWTR1 (TAZ)-stimulated gene expression

