A

Protein_processing_in_endoplasmic_reticulum
Pyrimidine_metabolism
RNA_degradation
Biosynthesis_of_vancomycin_group_antibiotics
Valine_leucine_and_isoleucine_biosynthesis
Plant_pathogen_interaction
RNA_polymerase
Ribosome
Aminoacyl_tRNA_biosynthesis
Inositol_phosphate_metabolism
Pantothenate_and_CoA_biosynthesis
Methane_metabolism
One_carbon_pool_by_folate
Glycosaminoglycan_degradation
Carbon_fixation_pathways_in_prokaryotes
Citrate_cycle_TCA_cycle
Alanine_aspartate_and_glutamate_metabolism
Cell_cycle_Caulobacter
Tryptophan_metabolism
Bacterial_chemotaxis
Aminobenzoate_degradation
Sphingolipid_metabolism
Atrazine_degradation
Propanoate_metabolism
Nitrogen_metabolism
Ribosome_biogenesis_in_eukaryotes
D_Alanine_metabolism
Ubiquinone_and_other_terpenoid_quinone_biosynthesis
Biosynthesis_of_unsaturated_fatty_acids
Jak_STAT_signaling_pathway
Neuroactive_ligand_receptor_interaction
Glycerophospholipid_metabolism
Two_component_system
Glutathione_metabolism
Galactose_metabolism
ABC_transporters
Glycerolipid_metabolism
Sulfur_relay_system
Biosynthesis_of_siderophore_group_nonribosomal_peptides
Carbon_fixation_in_photosynthetic_organisms
Phosphotransferase_system_PTS_
Starch_and_sucrose_metabolism

Healthy   Crohn's

Steroids
Not Use
Use

Antibiotics
Not Use
Use

FCP
2500
500

Treatment
EEN
PEN
antiTNF

Response
Non Response
Response

Cluster
near cluster
far cluster (dysbiotic)

B Ordination pathways

MDS2 / MDS1

near cluster
far cluster (dysbiotic)
Control
Crohn's

C Importance scores

Sulfur_relay_system
Galactose_metabolism
Biosynthesis_of_siderophore_group_nonribosomal_peptides
Glycerolipid_metabolism
D_Glutamine_and_D_glutamate_metabolism
Nitrogen_metabolism
Protein_processing_in_endoplasmic_reticulum
Glutathione_metabolism
D_Alanine_metabolism
Citrate_cycle_TCA_cycle_
Phosphotransferase_system_PTS_
Two_component_system
Neuroactive_ligand_receptor_interaction
Atrazine_degradation
Ribosome
Photosynthesis
Carbon_fixation_pathways_in_prokaryotes
Glycerophospholipid_metabolism
Geraniol_degradation
Valine_leucine_and_isoleucine_degradation
Ubiquinone_and_other_terpenoid_quinone_biosynthesis
Starch_and_sucrose_metabolism
ABC_transporters
Lysine_biosynthesis
Methane_metabolism
Alanine_aspartate_and_glutamate_metabolism
One_carbon_pool_by_folate
Propanoate_metabolism
RNA_polymerase
Toluene_degradation

Mean decrease in accuracy