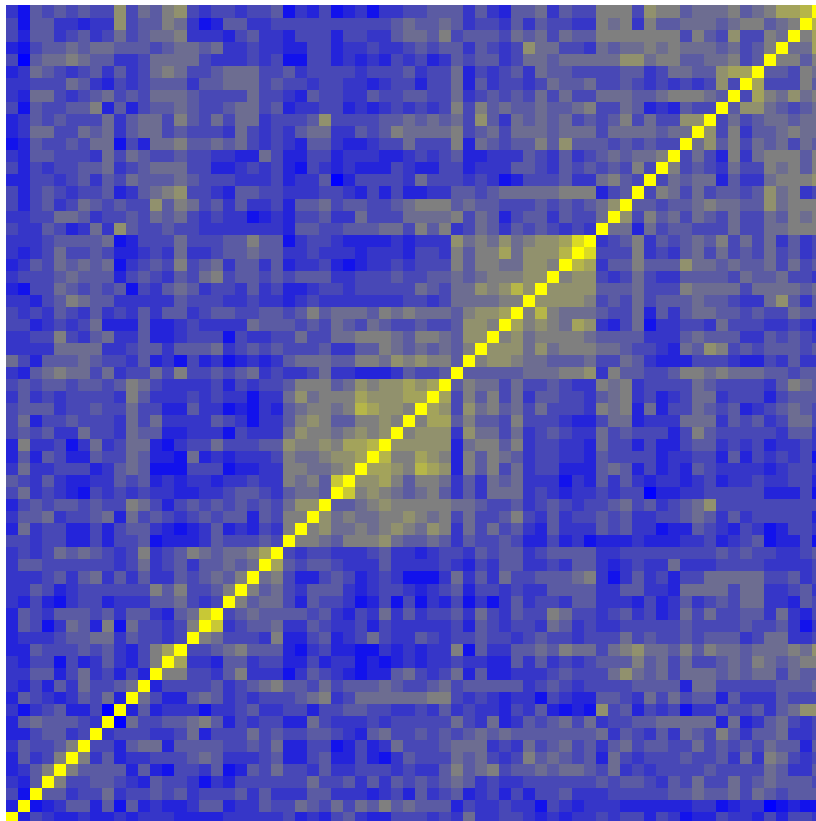
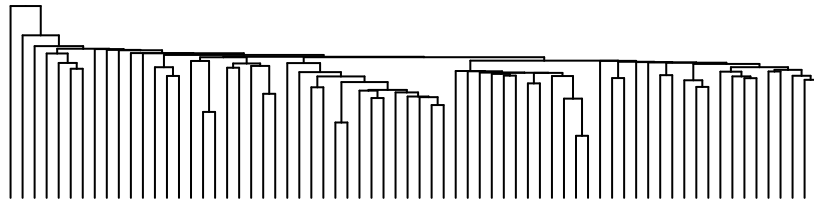


A heatmap visualization of a distance matrix, likely generated using hierarchical clustering. The top of the image shows a dendrogram indicating the hierarchical relationship between the samples. The main body of the image is a square heatmap where the color intensity represents the distance between pairs of samples. The diagonal is bright yellow, indicating a distance of zero for self-comparisons. The overall pattern shows a block-like structure, suggesting that samples within certain clusters are more similar (darker blue) to each other than to samples in other clusters.

Celiac disease and
 Atrial fibrillation
 Alzheimer's disease
 Alcohol processing
 Cell distribution
 Breast size
 Post-traumatic stress
 Hearing and politics
 Renal function related
 Word reading
 Systemic lupus eryth
 Hearing
 Airflow obstruction
 Hair morphology
 Hearing and politics
 Telomere length
 Attention deficit hyp
 Attention deficit hyp
 Attention deficit hyp
 Cholesterol total
 Triglycerides
 Adiponectin levels
 Metabolic traits
 Metabolic levels
 Liver enzyme levels
 Lipid metabolism ph
 Colorectal cancer
 Uproprotein associat
 Colorectal cancer
 Dialysis related mor
 Fasting glucose relat
 Prostate cancer
 Colorectal cancer
 Endometriosis
 Migraine with aura
 Urine levels
 Migraine without au
 Smoking behavior
 Mean platelet volum
 LDL cholesterol
 Platelet count
 Platelet count
 Glycated hemoglobin
 Platelet count
 Thyroid hormone lev
 PR interval
 Ventricular conducti
 Platelet count
 Mean corpuscular h
 Red blood cell traits
 Hematological para
 Hematological para
 Chronic lymphocytic
 End stage coagulat
 End stage biomark
 Self-rated allergy
 Celiac disease
 Protein quantitative
 Type 1 diabetes
 Inflammatory bowel
 Ulcerative colitis
 Hematological para
 Bone mineral densit
 Multiple sclerosis
 Systemic lupus eryth

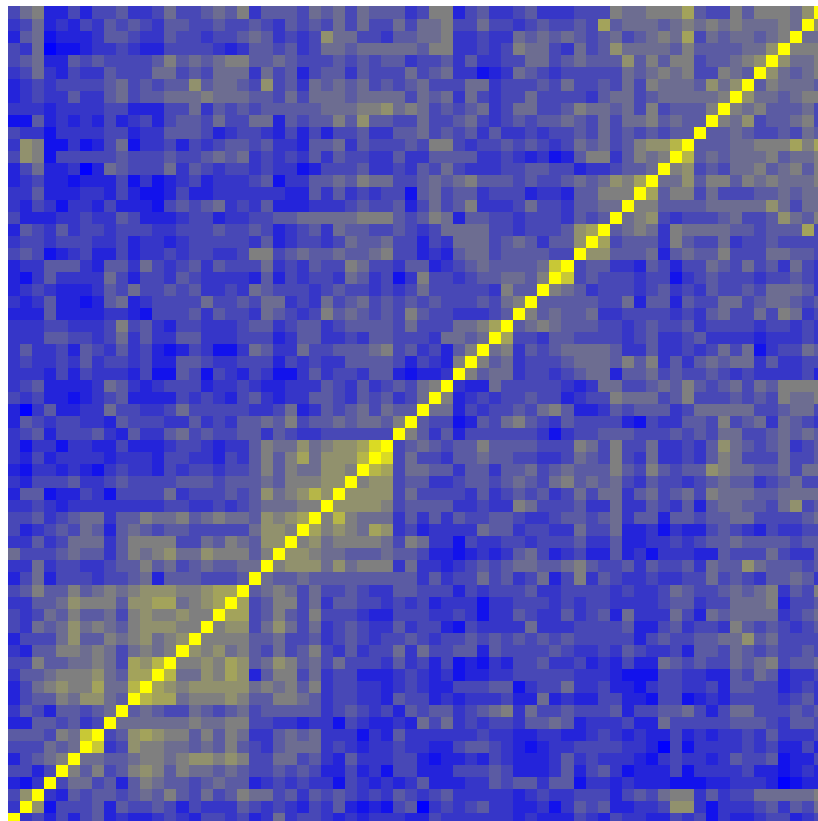
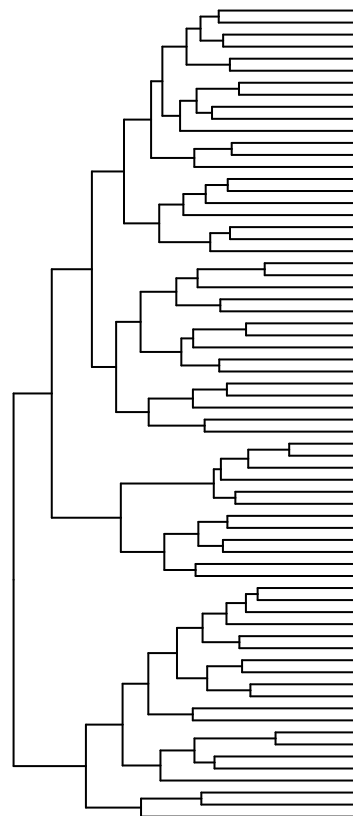
[illegible]

Dist : euclidean ; Hclust : single

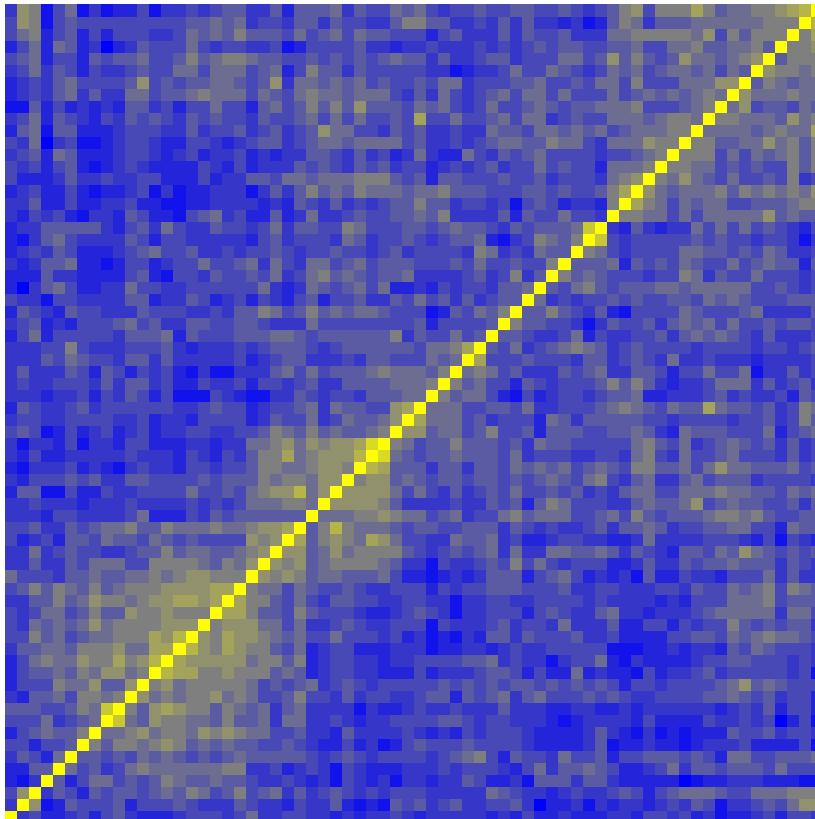
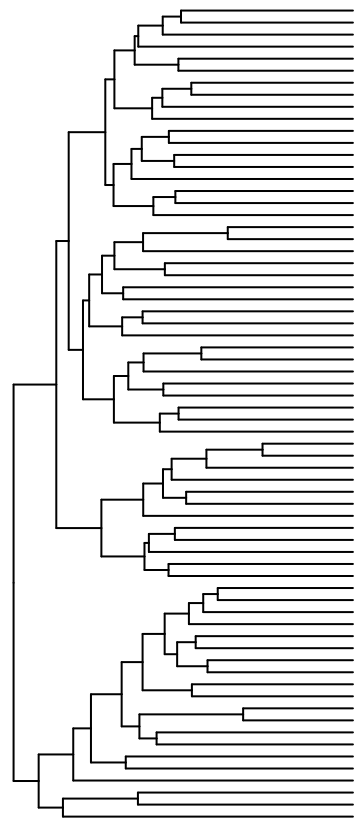


Liver enzyme levels
Lipid metabolism ph
Colorectal cancer
Sexual relation
Prostate cancer
LDL cholesterol
Cholesterol total
Protein associate
Triglycerides
Celliac disease and
Anion fibrillation
Intestinal process
Coronary heart disea
Endometriosis
Sustained air
Migraine with aura
Chronic kidney disea
Dialysis related_mor
Total blood volume
PR interval
Ventricular conductio
Systolic blood press
Diastolic blood press
Thyroid hormone leve
Mean corpuscular vol
Mean corpuscular we
Mean corpuscular hem
Hematological param
Platelet counts
Inflammatory traits
Alzheimer's disease
Chronic lymphocytic
End stage coagulatio
Iron status biomarker
Self-reported aller
Inflammatory bowel
Type 1 diabetes
Bone mineral densiti
Bone mineral densiti
Protein_quantitative
Multiple sclerosis
Hepatitis virus
Response to hepatitis
Telomere length
Telomere levels
Telomere levels
Obesity related_traits
Attention deficit hype
Attention deficit hype
Autoimmunology
Urate levels
Migraine without aura
Smoking without aura
Smoking without aura
Lipid metabolism ph
Breast cancer
LDL cholesterol
Blood pressure stress
Airflow obstruction
Renal function.related
Wind reading
Age of onset
Breast size
Economic and politic
Eight
Breast tooth develop

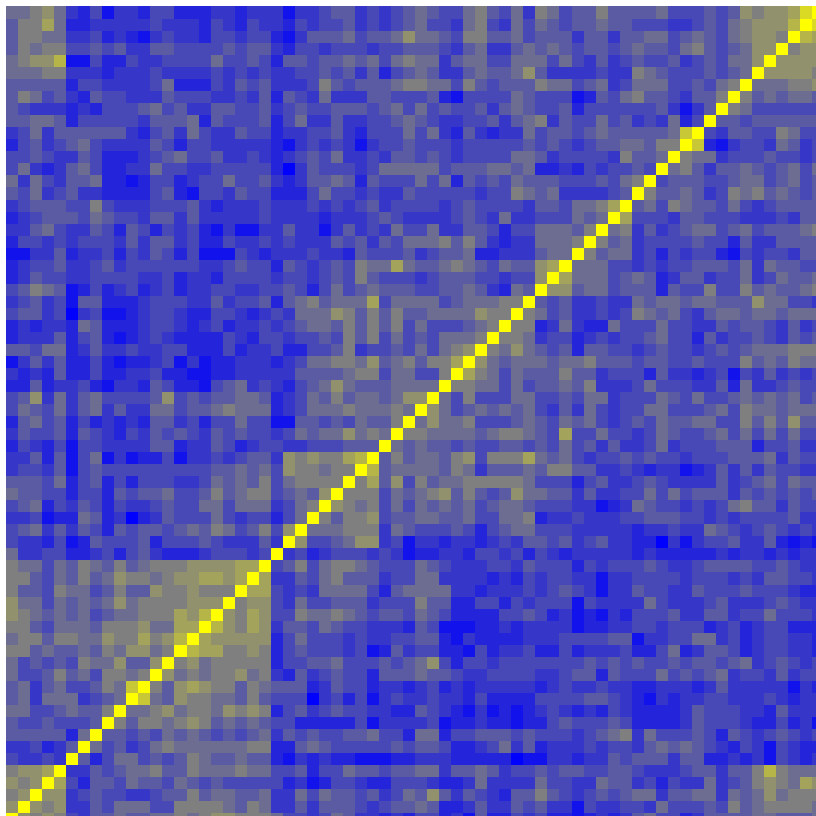
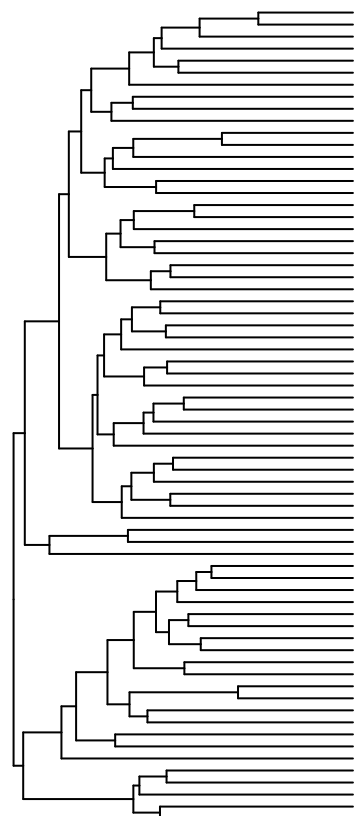
[illegible]



Colorectal_cancer
Lipoprotein.associated
Fasting_glucose_related
Prostate_cancer
Chronic_kidney_disease
Dialysis_related_mortality
Cellulose_disease
Atrial_fibrillation
Alzheimers_disease
Information_processing
Economic_and_political
Liver_enzyme_levels
Heart_metabolism
Sudden_cardiac_arrest
Urate_levels
Migraine_without_aura
Migraine_with_aura
HDL_cholesterol
Colesterol_total
Triglyceride
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Renal_function_related
Renal_function_related
Wound_healing
Response_to_hepatitis
Telomere_length
Metabolite_levels
Adiponectin_levels
Obesity_related_traits
Coronary_heart_disease
Endometriosis
Post-traumatic_stress
Fcell_distribution
Breast_size
PR_interval
Ventricular_conduction
Systolic_blood_pressure
Glycated_hemoglobin
Hypertension_related_traits
Thyroid_hormone_level
Mean_corpuscular_volume
Mean_corpuscular_volume
Hematological_parameters
Hematology_traits
Platelet_counts
Platelet_counts
Chronic_lymphocytic
End-stage_coagulation
Iron_status_biomarker
Allergic_disease
Cellulose_disease
Protein_quantitative
Type_1_diabetes_autoantibodies
Systemic_lupus_erythematosus
Inflammatory_bowel_disease
Ulcerative_colitis
Systemic_lupus_erythematosus
Systemic_lupus_erythematosus
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lupus_erythematosus
Height
Mean_platelet_volume
HDL_cholesterol
Primary_tumor_development

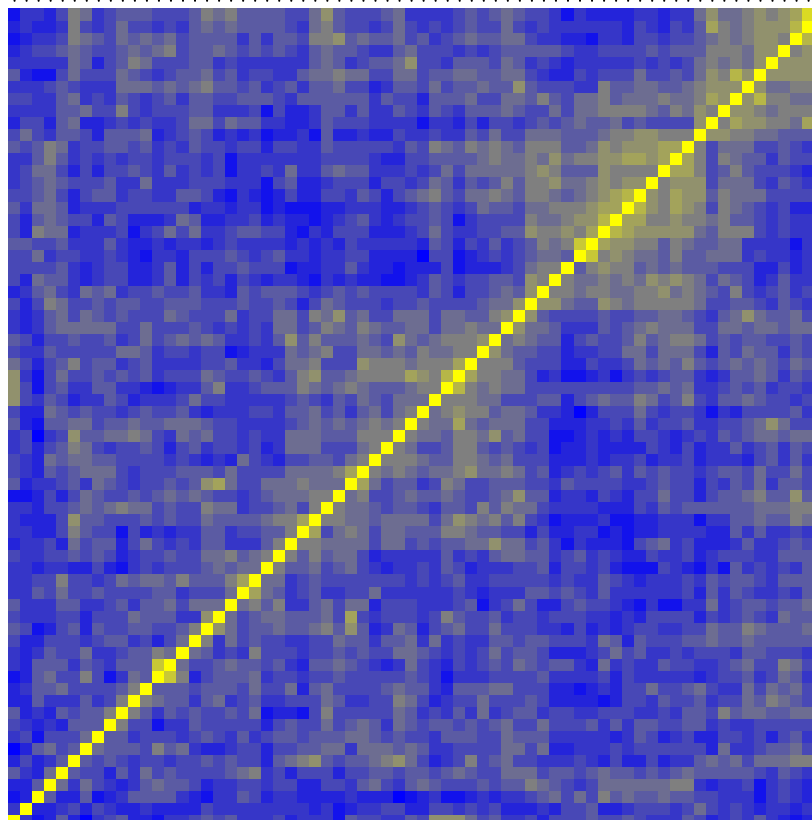


Liver enzyme levels
Lipid metabolism ph
Colorectal cancer
Sudden cardiac arre
Chronic kidney disea
Dialysis-related mor
Celiac disease and
Atrial fibrillation
Endocrine processin
Lipoprotein associat
Fasting glucose relat
Prostate cancer
Coronary heart disea
Endometriosis
Migraine with aura
Uratic levels
Response to hepatiti
Smoking behavior
Attention deficit hyp
Attention deficit hyp
Renal function relat
Word reading
Post-traumatic stress
Depression, post-tra
Cell distribution
Breast size
Airflow obstruction
Response to hepatiti
Telomere length
Metabolic levels
Adiponectin levels
Obesity related trait
LDL cholesterol
Cholesterol total
Triglycerides
PR interval
Ventricular conducti
Systolic blood press
Glycated hemoglobin
Mean corpuscular v
End-stage renal disea
Alzheimer's disease
Red blood cell trait
Platelet aggregation
Hematological param
Hematology traits
Chronic lymphocytic
Iron status biomarker
Self-reported allergy
Type 1 diabetes auto
Type 2 diabetes
Inflammatory bowel
Ulcerative colitis
Celiac disease
Protein quantitative
Bone mineral densit
Systemic sclerosis
Multiple sclerosis
Cystic fibrosis, eryth
Breast cancer
Height
Mean platelet volum
Mean cholesterol
Primary tooth develop



PR interval
Ventricular conduction
Systolic blood pressure
Diastolic blood pressure
Mean corpuscular volume
Thyroid hormone level
Alzheimer's disease
Cancer distribution
Breast cancer
Airflow obstruction
Attention deficit hyperactivity disorder
Hair morphology
Post-traumatic stress disorder
Brain function related
Response to hepatitis
Telomere length
Metabolic levels
Adiponectin levels
Obesity related traits
LDL cholesterol
Cholesterol total
Triglyceride levels
Fasting glucose related
Prostate cancer
Hypertension related
Endometriosis
Migraine with aura
Urate levels
Alcohol consumption
Smoking behavior
Cellular disease
Atrial fibrillation
Alcohol consumption
Lipoprotein associated
Economic and political
Liver enzyme levels
Type 1 diabetes
Type 2 diabetes
Chronic kidney disease
Dialysis related mortality
Liver enzyme levels
HDL cholesterol
Mean platelet volume
HDL cholesterol
Chronic lymphocytic leukemia
End stage coagulation
Urinary tract biomarkers
Allergy related
Type 1 diabetes autoantibodies
Type 1 diabetes
Inflammatory bowel disease
Type 1 diabetes
Cellular disease
Protein quantitative proteomics
Bone mineral density
Cellular density
Multiple sclerosis
Systemic lupus erythematosus
Type 1 diabetes
Breast cancer
Height
Mean corpuscular volume
Obesity related traits
Platelet counts
Hematological parameters

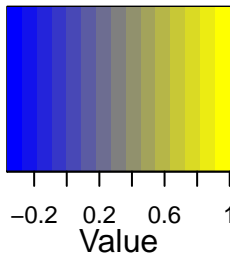
[illegible]



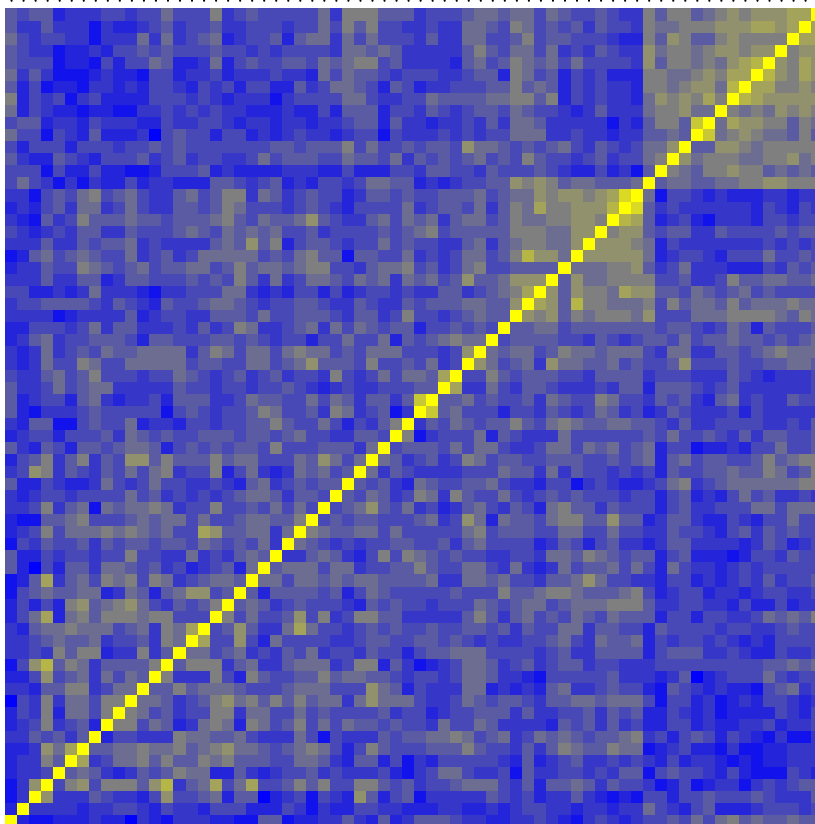
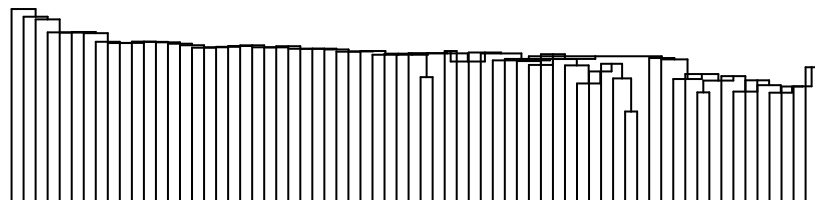
PR interval
Ventricular conduction
Systolic blood pressure
Glycated hemoglobin
Hemoglobin
Mean corpuscular volume
Platelet counts
Mean corpuscular hemoglobin
Mean corpuscular hemoglobin percentage
Red blood cell count
Hematology traits
Hemoglobin
End stage coagulopathy
Iron status biomarker
Self-reported alcohol use
Type 1 diabetes
Ulcerative colitis
Inflammatory bowel disease
Hypertension
Bone mineral density
Systolic lupus erythematosus
Hypothyroidism
Protein quantitative electrophoresis
Celiac disease
Celiac disease and iron deficiency
Chronic kidney disease
Dialysis-related morbidity
Colorectal cancer
C-reactive protein level
Lipid metabolism
Mean platelet volume
Hypertension
Fasting glucose level
Prostate cancer
Endometriosis
Coronary heart disease
Lipoprotein association
LDL cholesterol
Information processing
Hypertension
Urate levels
Migraine without aura
Smoking behavior
Depression
Obesity-related traits
Response to hepatitis C treatment
Metabolic levels
Cholesterol, total
Triglycerides
Hemoglobin A1c
Hair morphology
Attention deficit hyperactivity disorder
Attention deficit hyperactivity disorder related
Word reading
F-cell distribution
Fasting glucose
Economic and political
Post-traumatic stress disorder
Migraine with aura
Systolic blood pressure
Breast cancer
Height
Primary tooth development

[illegible]

Color Key



Dist : euclidean ; Hclust : centroid



Chronic_lymphocytic
End stage_coagulation
Iron status biomarker
Self-reported_allergy
Type_1_diabetes_aut
Type_1_diabetes
Ulcerative_colitis
Inflammatory_bowel_d
Multiple_sclerosis
Bone_mineral_density
Bone_mineral_density
Celiac_disease
Protein_quantitative_t
Systemic_lupus_eryth
Hematology_traits
PR_interval
Ventricular_conductio
Systolic_blood_press
Glycated_hemoglobin
Thyroid_hormone_lev
Mean_corpuscular_vo
Alzheimers_disease
Platelet_counts
Red_blood_cell_traits
Mean_corpuscular_he
Hematological_param
Airflow_obstruction
Systemic_lupus_eryth
Atrial_fibrillation
Celiac_disease_and
Response_to_hepatiti
Telomere_length
Attention_deficit_hype
Attention_deficit_hype
F_cell_distribution
Breast_size
Renal_function.related
Chronic_kidney_disea
Mean_platelet_volum
Breast_cancer
Hair_morphology
Dialysis_related_mort
Information_processing
Lipoprotein.associat
Economic_and_politi
Word_reading
Post traumatic_stress
Fasting_glucose.relat
Triglycerides
Migraine_with_aura
Colorectal_cancer
LDL_cholesterol
Cholesterol_total
Adiponectin_levels
Lipid_metabolism.ph
Sudden_cardiac_arre
Smoking_behavior
Prostate_cancer
Endometriosis
Coronary_heart_disea
Metabolite_levels
Urate_levels
Migraine_without_aur
Obesity_related_traits
Liver_enzyme_levels
HDL_cholesterol
Primary_tooth_develo
Height

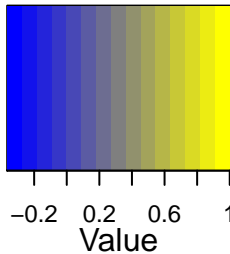
Height
b_first_tooth_eruption
HDL_cholesterol
glutaryl_transferase
Type_1_diabetes
Migraine_without_aura
Urate_levels
Metabolite_levels
Coronary_heart_disea
Endometriosis
Prostate_cancer
Smoking_behavior
Lipid_metabolism.ph
Adiponectin_levels
Cholesterol_total
Cholesterol_HDL
Colorectal_cancer
Migraine_with_aura
Triglycerides
Intermittent_claudica
Word_reading
political_preferences
Information_processing
Lysis.related_mortality
Hair_morphology
Height
Mean_platelet_volume
Chronic_kidney_disease
BUN
n.n.related_traits
Fcell_distribution
Impulsivity_symptoms
Combined_symptoms
Chronic_kidney_disease
Hepatitis_C_treatment
Rheumatoid_arthritis
Atrial_fibrillation
d_Symptoms
Anatomical_parameters
Puscular_hemoglobin
Red_blood_cell_traits
Platelet_counts
disease biomarkers
Corpuscular_volume
Mean_platelet_volume
Systolic_blood_pressure
End_tentricular_conduction
Hematology_traits
Lupus_erythematosus
quantitative_trait_loci
allergy_traits
Bone_mineral_density
Multiple_sclerosis
Inflammatory_bowel_disease
Type_1_diabetes
Betes_autoantibodies
Self-reported_allergy
End stage_coagulation
lymphocytic_leukemia

A heatmap visualization of the correlation matrix for the 100 variables. The x and y axes are labeled with the variable names, which are ordered according to a hierarchical clustering dendrogram shown at the top of the plot. The diagonal of the matrix is highlighted in bright yellow, representing a correlation of 1.0 for all self-comparisons. The matrix is symmetric, with the lower triangle mirroring the upper triangle. The colors range from dark blue (low correlation) to yellow (high correlation), indicating the strength and direction of the linear relationships between the variables.

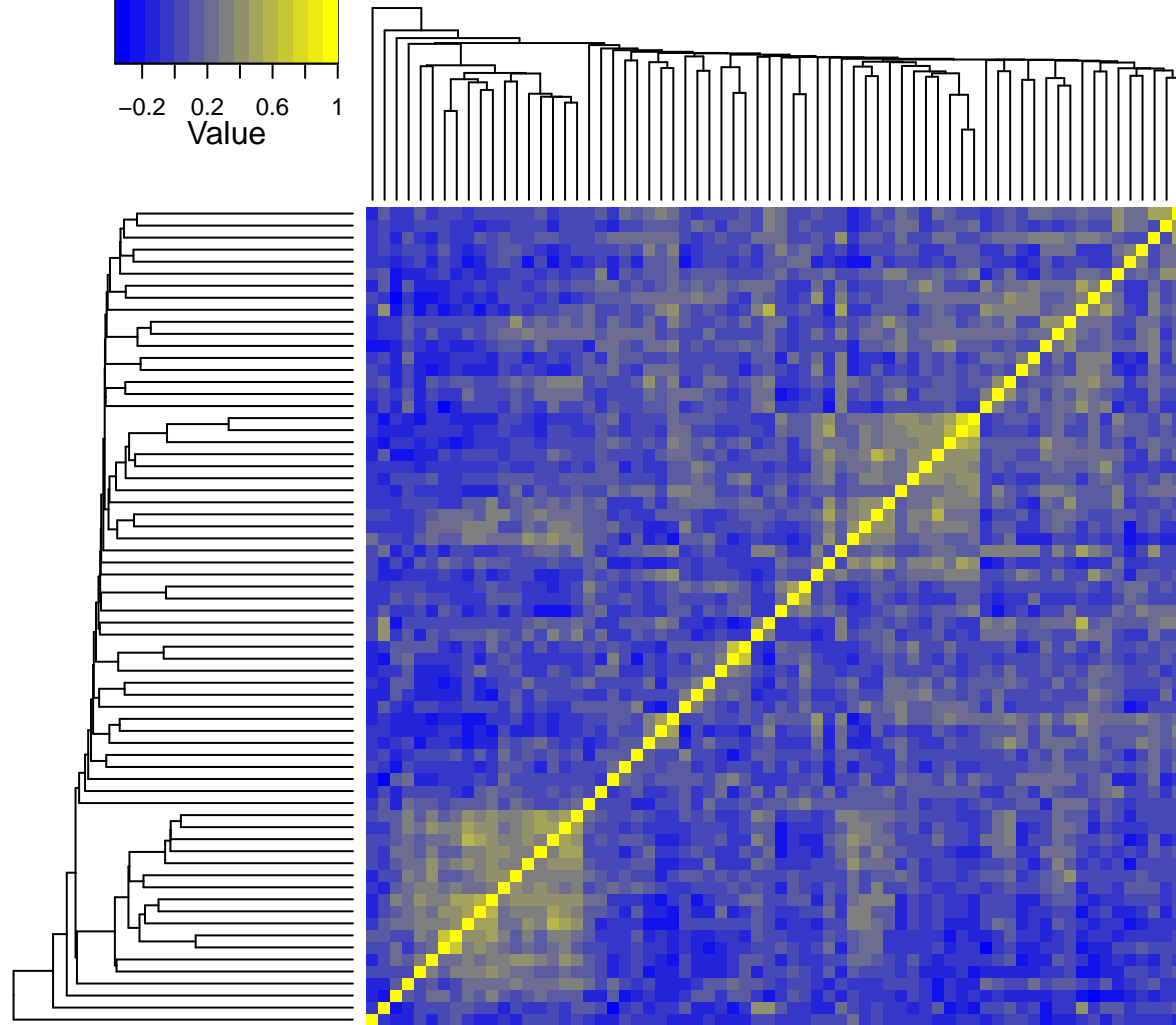
Colorectal cancer
Lipopolysaccharide
Lipid, chronic disease
Lipid, acute disease
Lipid metabolism
Mean platelet volume
Celiac disease
Alzheimer disease
Information processing
Lipid, acute disease
Pancreatic cancer
Liver, enzyme levels
Sudden cardiac arrest
Lipid, acute disease
Endometriosis
Migraine with aura
Urate levels
Lipid, acute disease
Smoking behavior
Renal function, relation
Food, feeding
Lipid, acute disease
Hair morphology
Attention deficit hyperactivity disorder
Airflow obstruction
Cell distribution
Systemic lupus erythematosus
Economic and political conditions
HDL cholesterol
Primary tooth decay
Lipid, acute disease
Obesity related traits
Metabolite levels
Lipid, acute disease
Telomere length
LDL cholesterol
Cholesterol total
Lipid, acute disease
PR interval
Ventricular conduction
Systolic blood pressure
Lipid, acute disease
Thyroid hormone level
Platelet counts
Glycated hemoglobin
Lipid, acute disease
Hematological parameters
Red blood cell traits
Lipid, acute disease
Chronic lymphocytic leukemia
End-stage coagulation
Self-reported allergy
Iron status biomarker
Celiac disease
Protein quantitative proteomics
Breast cancer
Inflammatory bowel disease
Ulcerative colitis
Type 1 diabetes
Lipid, acute disease
Bone mineral density
Multiple sclerosis
Systemic lupus erythematosus
Height

[illegible]

Color Key

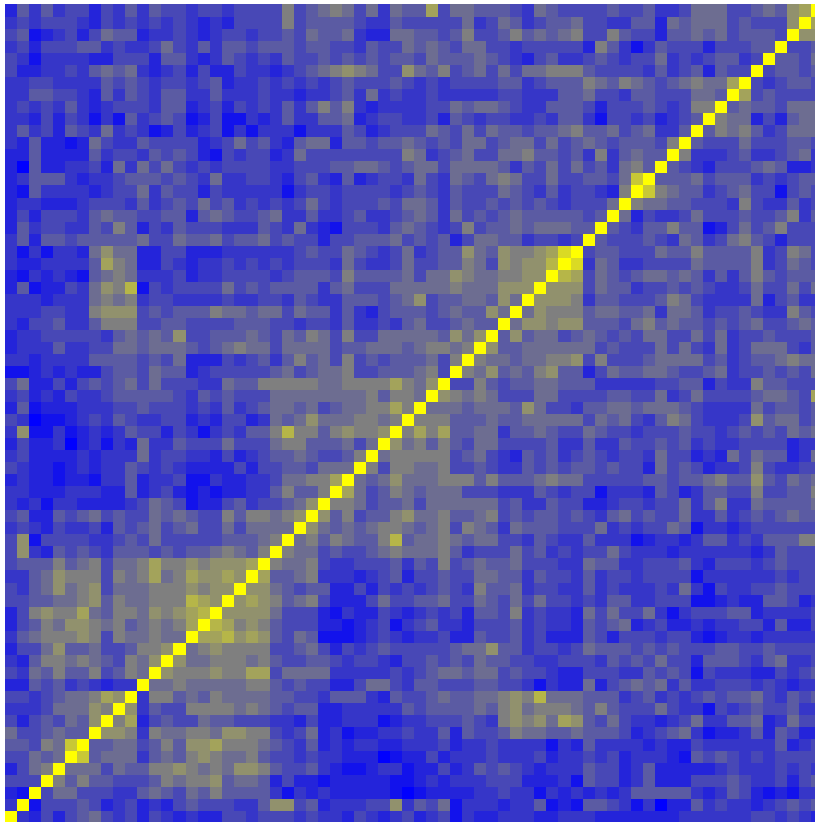


Dist : manhattan ; Hclust : single



LDL_cholesterol
Cholesterol_total
Lipoprotein_associated
Adiponectin_levels
Obesity_related_traits
Triglycerides
Fasting_glucose_related_traits
Prostate_cancer
Liver_enzyme_levels
Celiac_disease_and_celiac_disease_related_traits
Atrial_fibrillation
Information_processing
Coronary_heart_disease
Endometriosis
Chronic_kidney_disease
Dialysis_related_mortality
Sudden_cardiac_arrest
PR_interval
Ventricular_conduction
Systolic_blood_pressure
Mean_corpuscular_volume
Thyroid_hormone_levels
Glycated_hemoglobin
Alzheimers_disease
Platelet_counts
Mean_corpuscular_hemoglobin
Hematological_parameters
Hematology_traits
Colorectal_cancer
Red_blood_cell_traits
Migraine_with_aura
Response_to_hepatitis
Telomere_length
Metabolite_levels
Lipid_metabolism_parameters
Mean_platelet_volume
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Hair_morphology
Renal_function_related_traits
Word_reading
Urate_levels
Migraine_without_aura
Smoking_behavior
Breast_size
Economic_and_political_preferences
Post-traumatic_stress
Airflow_obstruction
Systemic_lupus_erythematosus
Chronic_lymphocytic_leukemia
End-stage_coagulation
Type_1_diabetes_autoantibodies
Iron_status_biomarkers
Self-reported_allergy
Celiac_disease
Inflammatory_bowel_disease
Type_1_diabetes
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lupus_erythematosus
Breast_cancer
Height
HDL_cholesterol
Primary_tooth_development

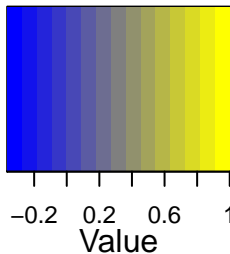
LDL_cholesterol
Cholesterol_total
Lipoprotein_associated
Adiponectin_levels
Obesity_related_traits
Triglycerides
Fasting_glucose_related_traits
Prostate_cancer
Liver_enzyme_levels
Celiac_disease_and_celiac_disease_related_traits
Atrial_fibrillation
Information_processing
Coronary_heart_disease
Endometriosis
Chronic_kidney_disease
Dialysis_related_mortality
Sudden_cardiac_arrest
PR_interval
Ventricular_conduction
Systolic_blood_pressure
Mean_corpuscular_volume
Thyroid_hormone_levels
Glycated_hemoglobin
Alzheimers_disease
Platelet_counts
Mean_corpuscular_hemoglobin
Hematological_parameters
Hematology_traits
Colorectal_cancer
Red_blood_cell_traits
Migraine_with_aura
Response_to_hepatitis
Telomere_length
Metabolite_levels
Lipid_metabolism_parameters
Mean_platelet_volume
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Hair_morphology
Renal_function_related_traits
Word_reading
Urate_levels
Migraine_without_aura
Smoking_behavior
Breast_size
Economic_and_political_preferences
Post-traumatic_stress
Airflow_obstruction
Systemic_lupus_erythematosus
Chronic_lymphocytic_leukemia
End-stage_coagulation
Type_1_diabetes_autoantibodies
Iron_status_biomarkers
Self-reported_allergy
Celiac_disease
Inflammatory_bowel_disease
Type_1_diabetes
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lupus_erythematosus
Breast_cancer
Height
HDL_cholesterol
Primary_tooth_development



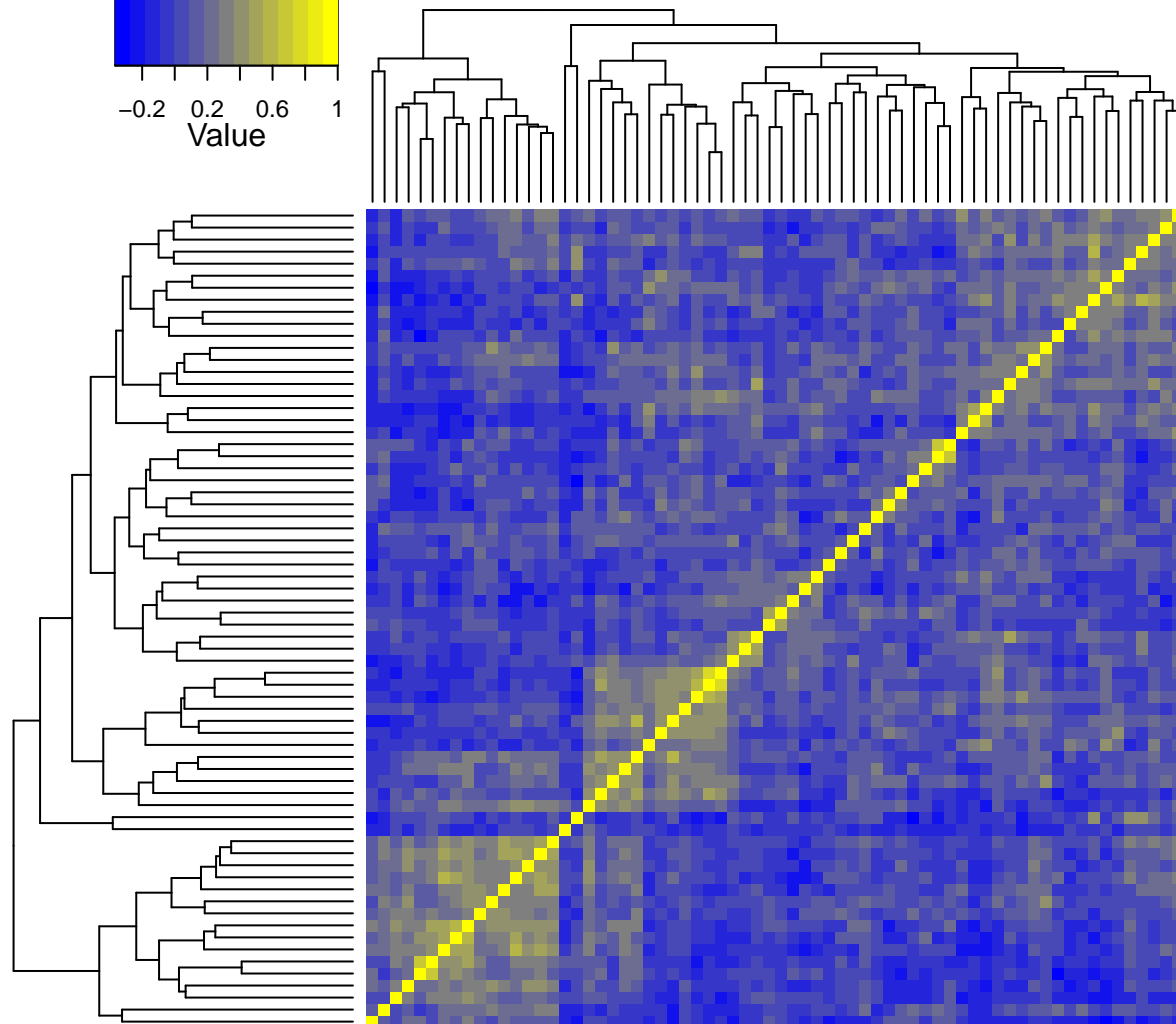
LDL cholesterol
Cholesterol, total
Ergonomics
Economic and political
Migraine with aura
Response to hepatitis
Hepatitis, chronic
Adiponectin levels
Obesity related traits
Hypertension related traits
Renal function related
Word reading
Post-traumatic stress
Depression related traits
Attention deficit hyper
Hair morphology
Airflow obstruction
Cellular senescence
Systemic lupus eryth
PR interval
Sentricular conduction
Mean arterial press
Thyroid hormone leve
Hemoglobin related
Glycated hemoglobin
Cellulose disease and
Atrial fibrillation
Chronic kidney disea
Information processi
Colorectal cancer
Lipoprotein associat
Chronic kidney disea
Prostate cancer
Liver enzyme levels
Chronic kidney disea
Coronary heart dise
Endometriosis
Urate levels
Chronic kidney disea
Smoking behavior
Chronic kidney disea
Dialysis related mort
Chronic kidney disea
Mean platelet volum
Chronic lymphocytic
End-stage coagulatio
Chronic kidney disea
Type 2 diabetes aut
Inflammatory bowel
Chronic arthritis
Type 2 diabetes
Cellulose disease
Protein quantitative
Chronic kidney disea
Breast cancer
Mean corpuscular h
Hematological param
Chronic kidney disea
Hematology traits
Bone mineral densit
Bone mineral densit
Systemic lupus eryth
Height
LDL cholesterol
Primary tooth devel

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Color Key

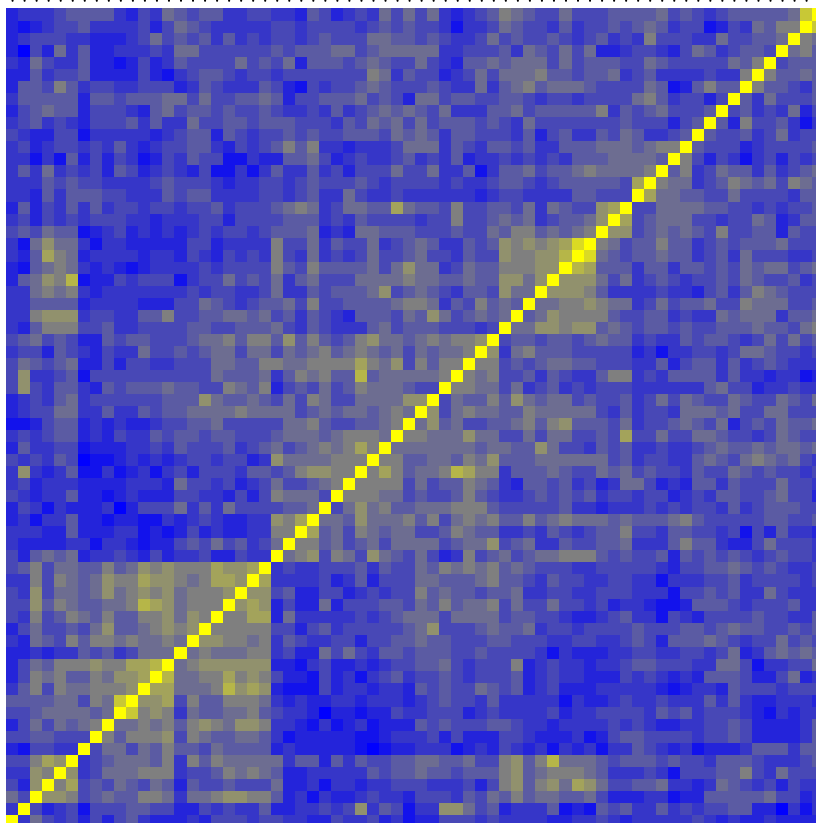


Dist : manhattan ; Hclust : average



Height
Breast cancer
Lupus erythematosus
Multiple sclerosis
Type 1 diabetes
Bone mineral density
Type 1 diabetes
Ulcerative colitis
Quantitative trait loci
Celiac disease
In status biomarkers
Self-reported allergy
End stage coagulation
Lymphocytic leukemia
HDL cholesterol
Hematology traits
Red blood cell traits
Hematological parameters
Migraine with aura
Migraine without aura
Corpuscular volume
Hemoglobin levels
Systolic blood pressure
Diastolic blood pressure
Pain threshold
PR interval
Triglycerides
Cholesterol total
Cholesterol HDL
Telomere length
Hepatitis C treatment
Metabolite levels
Osteoporosis
Aspartate levels
Political preferences
Breast size
Arthritis
Systemic sclerosis
F-cell distribution
Word reading
Attention deficit hyperactivity disorder
Hair morphology
Impulsivity symptoms
Chronic kidney disease
Smoking behavior
Migraine without aura
Urate levels
2 active domains
Processing speed
Atrial fibrillation
Rheumatoid arthritis
Sudden cardiac arrest
Endometriosis
Coronary heart disease
Glutamate transferase
Interaction with BMI
Mean platelet volume
Platelet phenotypes
Chronic kidney disease
Cystic fibrosis
Tonic kidney disease

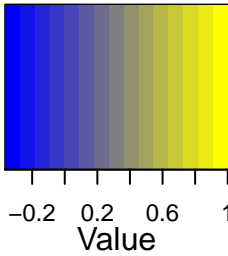
Chronic kidney disease
Dialysis related mortality
Colorectal cancer
Lipid metabolism phenotype
Mean platelet volume
Fasting glucose related
Prostate cancer
Liver enzyme levels
Coronary heart disease
Endometriosis
Sudden cardiac arrest
Celiac disease and
Atrial fibrillation
Information processing
Lipoprotein associated
Alzheimers disease
Urate levels
Migraine without aura
Smoking behavior
Attention deficit hyperactivity disorder
Hair morphology
Posttraumatic stress disorder
Renal function related
Word reading
F-cell distribution
Systemic lupus erythematosus
Airflow obstruction
Breast size
Economic and political
Adiponectin levels
Obesity related traits
Metabolite levels
Response to hepatitis
Telomere length
LDL cholesterol
Cholesterol total
Triglycerides
PR interval
Ventricular conduction
Systolic blood pressure
Glycated hemoglobin
Mean corpuscular volume
Thyroid hormone levels
Migraine with aura
Mean corpuscular hemoglobin
Hematological parameters
Platelet counts
Red blood cell traits
Hematology traits
HDL cholesterol
Primary tooth development
Chronic lymphocytic leukemia
End stage coagulation
Self-reported allergy
Type 1 diabetes autoantibodies
Celiac disease
Protein quantitative electrophoresis
Inflammatory bowel disease
Ulcerative colitis
Type 1 diabetes
Bone mineral density
Bone mineral density
Multiple sclerosis
Systemic lupus erythematosus
Breast cancer
Height



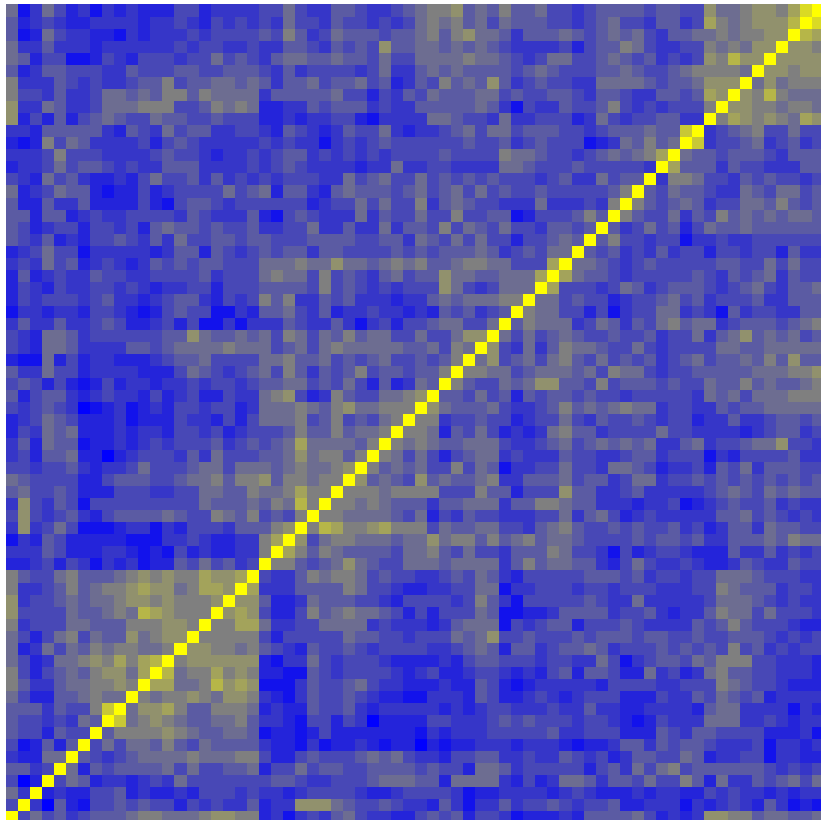
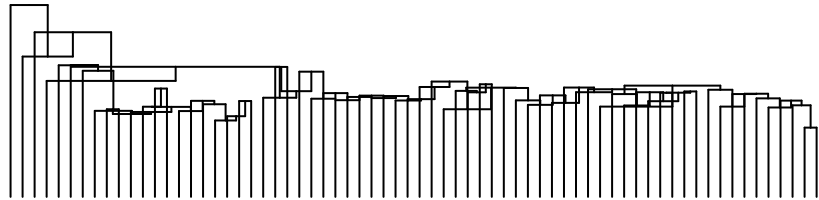
Attention deficit hyper
 Attention deficit hyper
 Hair morphology
 Post-traumatic stress
 Psychiatric related
 Word reading
 F cell distribution
 Systemic lupus eryth
 Lung obstruction
 Breast cancer
 Economic and politic
 Adiponectin levels
 Obesity related traits
 Systemic sclerosis
 Response to hepatitis
 Hemoglobin length
 Cholesterol
 Cholesterol total
 Triglycerides
 PR interval
 Ventricular conduction
 Depression and stress
 Mean corpuscular vol
 Thyroid hormone lev
 Alzheimer's disease
 Hemoglobin
 Glycated hemoglobin
 Chronic kidney disea
 Dialysis related_mor
 Hemoglobin
 Lipid metabolism ph
 Mean platelet_volum
 Celiac disease_and
 Hemoglobin
 Information processin
 Lipoprotein associat
 Fasting glucose relat
 Hemoglobin
 Liver enzyme levels
 Coronary heart disea
 Endometriosis
 Celiac disease_are
 Migraine without aur
 Smoking behavior
 Migraine with aura
 Hemoglobin
 State coagulation
 Self-reported allergy
 Type 1 diabetes auto
 Hemoglobin
 Celiac disease
 Prostate cancer
 Breast quantitative
 Type 1 diabetes
 Ulcerative colitis
 Type 1 diabetes
 Bone mineral densit
 Hemoglobin
 Multiple sclerosis
 Systemic lupus eryth
 Height
 Mean corpuscular h
 Hematological param
 Red blood cell traits
 Hematology, traits
 Hemoglobin
 Primary tooth develo

[illegible]

Color Key



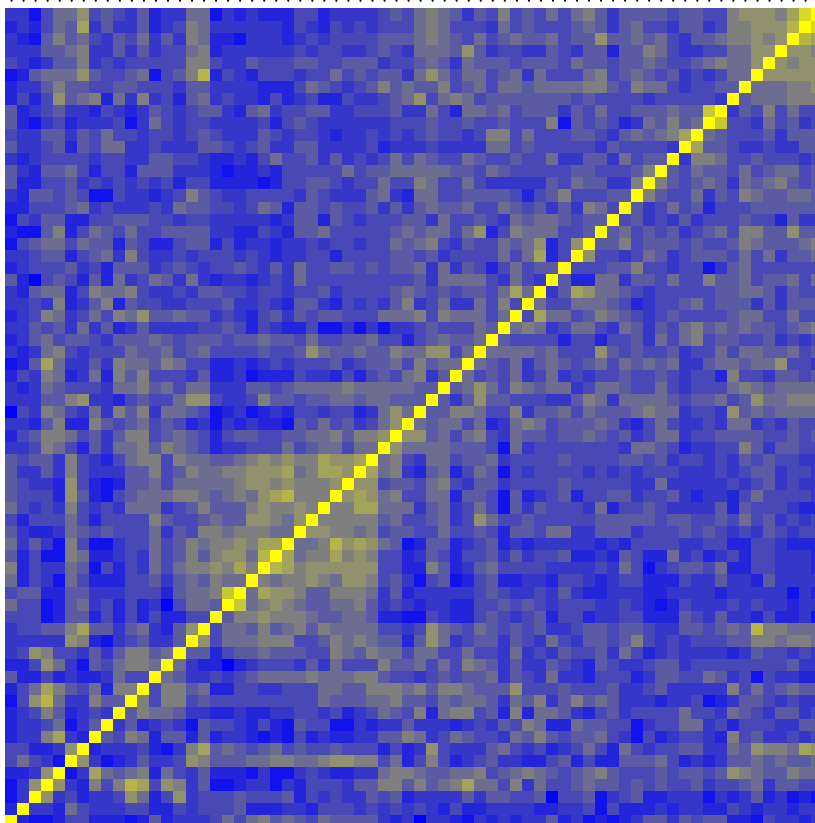
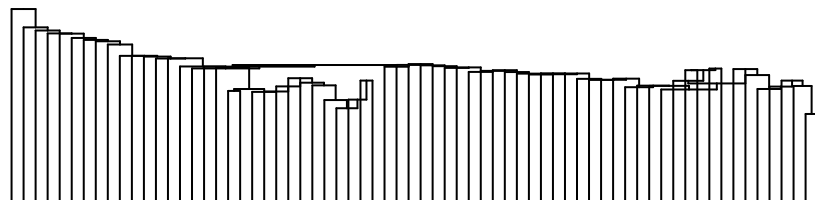
Dist : manhattan ; Hclust : median



PR_interval
Ventricular_conduction
Systolic_blood_press
Thyroid_hormone_level
Mean_corpuscular_vo
Glycated_hemoglobin
Platelet_counts
Mean_corpuscular_h
Hematological_param
Red_blood_cell_traits
Attention_deficit_hype
Response_to_hepatiti
Telomere_length
Hair_morphology
Renal_function.related
Word_reading
F.cell_distribution
Airflow_obstruction
Breast_size
Economic_and_politic
Lipoprotein.associated
LDL_cholesterol
Cholesterol_total
Adiponectin_levels
Obesity.related_traits
Metabolite_levels
Celiac_disease_and
Atrial_fibrillation
Information_processing
Alzheimers_disease
Triglycerides
Migraine_with_aura
Prostate_cancer
Endometriosis
Coronary_heart_disea
Fasting_glucose.relat
Sudden_cardiac_arre
Dialysis.related_mor
Chronic_kidney_disea
Colorectal_cancer
Lipid_metabolism.ph
Mean_platelet_volum
Liver_enzyme_levels
Urate_levels
Migraine_without_aur
Smoking_behavior
Chronic_lymphocytic
End.stage_coagulation
Self.reported_allergy
Type_1_diabetes_aut
Iron_status_biomarke
Celiac_disease
Protein_quantitative
Inflammatory_bowel
Ulcerative_colitis
Type_1_diabetes
Multiple_sclerosis
Bone_mineral_densit
Bone_mineral_densit
Systemic_lupus_eryth
Height
Breast_cancer
Systemic_lupus_eryth
Post.traumatic_stress
Primary_tooth_develo
HDL_cholesterol
Hematology_traits

Hematology_traits
HDL_cholesterol
b_first_tooth_eruption
Used_for_relatedness
d_Symptoms
Breast_cancer
Height
Lupus_erythematosus
Bone_mineral_density
Multiple_sclerosis
Type_1_diabetes
Vascular_dementia
Inflammatory_bowel_disease
Quantitative_trait_loci
Celiac_disease
Type_1_diabetes
Self-reported_allergy
End.stage_coagulation
Iron_status_biomarker
Smoking_behavior
Migraine_without_aura
Urate_levels
Glutamate_levels
Platelet_volume
Alcohol_consumption
Metabolism_phenotypes
Colorectal_cancer
Type_1_diabetes
Type_1_diabetes_related_traits
Sudden_cardiac_arrest
Interaction_with_BMI
Endometriosis
Prostate_cancer
Migraine_with_aura
Type_1_diabetes
Disease_biomarkers
Processing_speed
Rheumatoid_arthritis
Atrial_fibrillation
Metabolite_levels
Obesity-related_traits
Adiponectin_levels
Cholesterol_levels
LDL_cholesterol
v2_activity_and_mass
Political_preferences
Airflow_obstruction
Fcell_distribution
Word_reading
v2_activity_and_mass
Telomere_length
Hepatitis_C_treatment
Immune_system_symptoms
Red_blood_cell_traits
Hematological_parameters
Hemoglobin
Platelet_counts
Ad_hemoglobin_levels
Corpuscular_volume
Thyroid_hormone_level
Ventricular_conduction
PR_interval

Dist : manhattan ; Hclust : centroid

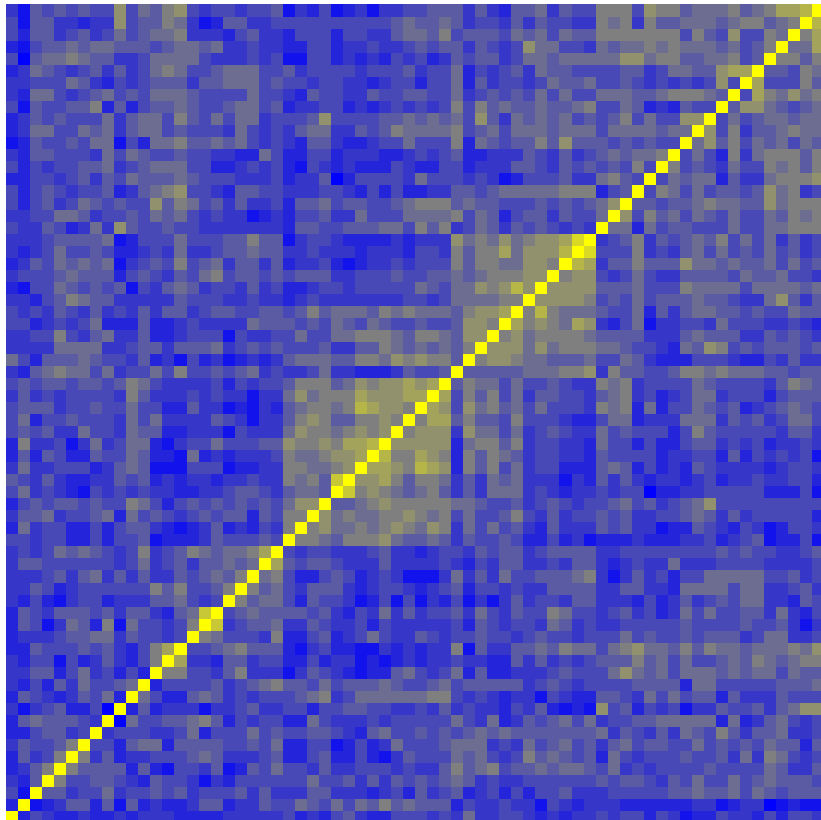


PR interval
Ventricular conduction
Systolic blood pressure
Thyroid hormone level
Hemoglobin
Mean corpuscular vol
Alzheimers disease
Migraine with aura
Attention deficit hyper
Attention deficit hyper
Response to hepatitis
Telomere length
Hair morphology
Renal morphology relat
Word reading
F-cell distribution
Airflow obstruction
Hypertension, politica
Information processing
Triglycerides
Cholesterol total
LDL cholesterol
Post-traumatic stress
Adiponectin levels
Cognitive associate
Metabolite levels
Systemic lupus eryth
Celiac disease and
Celiac disease relat
Endometriosis
Atrial fibrillation
Platelet counts
Platelet counts
Smoking behavior
Chronic kidney disease
Diagnosis related_mor
Diagnosis related_mor
End stage coagulated
Self-reported allergy
Type 1 diabetes auto
Renal status biomarker
Celiac
Platelet quantitative t
Type 1 diabetes
Uricaric acid
Multiple sclerosis
Bone mineral densit
Bone mineral densit
Bone mineral densit
Bone mineral densit
Mean corpuscular hem
Hematological param
Mean platelet volume
Sugars and urea
Breast cancer
Colorectal cancer
Lipid metabolism ph
Lipid metabolism ph
Obesity related traits
Migraine without aura
Red blood cell traits
Hematological traits
Urate levels
Liver enzyme levels
HDL cholesterol
Primary tooth develop
Height

[illegible]

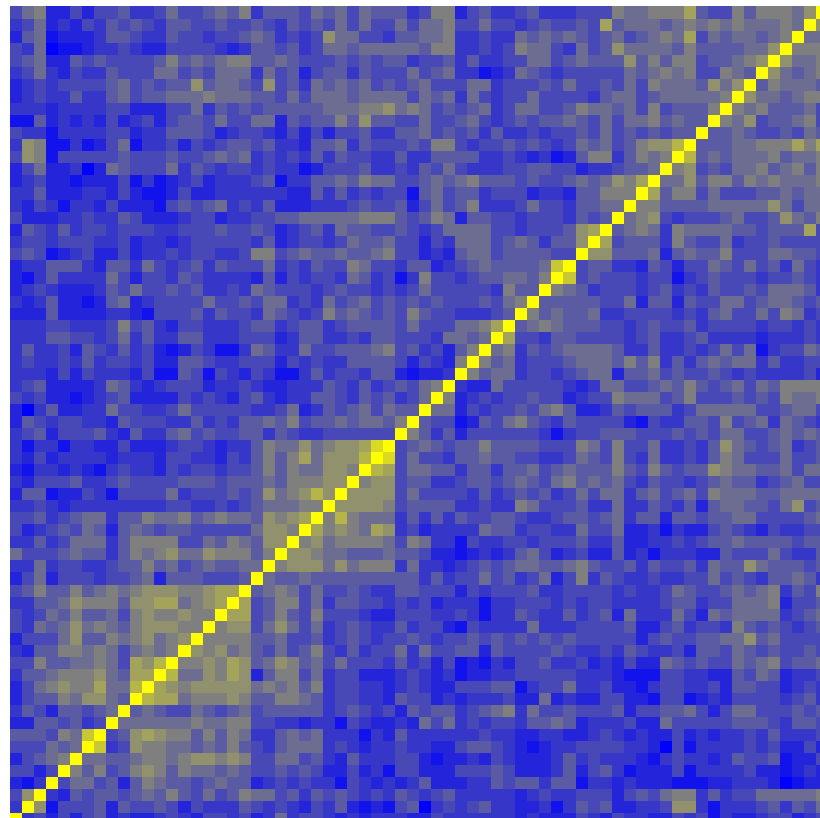
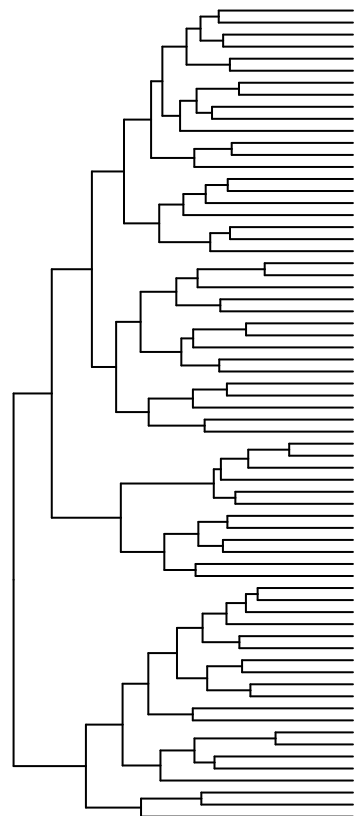
A heatmap visualization of a distance matrix, likely representing pairwise distances between samples. The x-axis and y-axis are labeled with sample IDs, which are grouped by hierarchical clustering dendrograms. The color scale ranges from 0.0 (dark blue) to 0.5 (yellow). The diagonal is bright yellow, indicating a distance of 0.0. The matrix shows a clear block-like structure, suggesting distinct clusters of samples. The dendrogram on the left indicates a hierarchical relationship between the samples, with a major split occurring around the 15th sample.

[illegible]

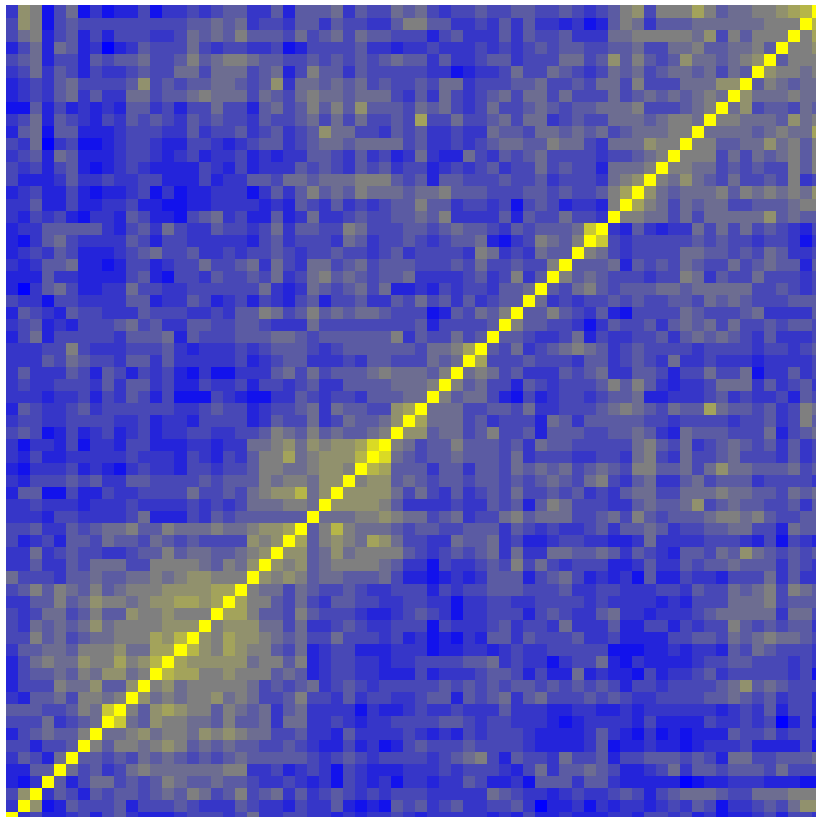
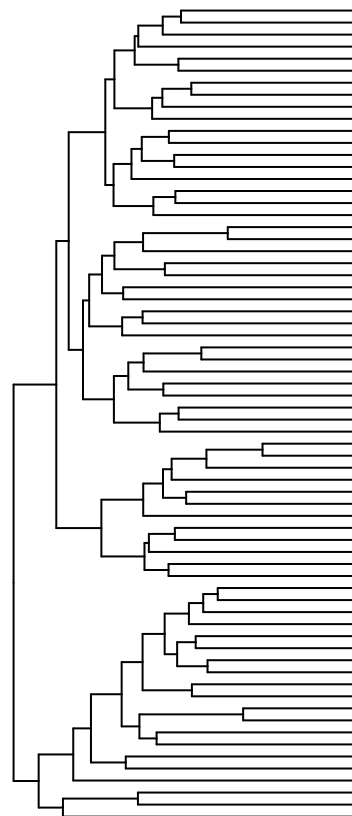


Liver enzyme levels
Lipid metabolism ph
Colorectal cancer
Lipid metabolism ph
Prostate cancer
LDL cholesterol
Cholesterol total
Lipid metabolism ph
Triglycerides
Cellulase disease and
Lipid metabolism ph
Information processi
Coronary heart disea
Endometriosis
Lipid metabolism ph
Migraine with aura
Chronic kidney disea
Dialysis related mort
Prostate cancer
PR interval
Peritumoral conducti
Lipid metabolism ph
Glycemic hemoglobi
Mean corpuscular vol
Thyroid hormone lev
Lipid metabolism ph
Red blood cell traits
Hematological param
Platelet counts
Lipid metabolism ph
Alzheimers disease
Chronic lymphocytic
End-stage coagulatio
Lipid metabolism ph
on status biomarker
Self-reported allergy
Lipid metabolism ph
Ulcerative colitis
Type 1 diabetes
Bone mineral densit
Lipid metabolism ph
Cellulase disease
Protein quantitative
Multiple sclerosis
Lipid metabolism ph
Response to hepatitis
Telomere length
Metabolic levels
Lipid metabolism ph
Obesity related type
Attention deficit hype
Lipid metabolism ph
Hair morphology
Urate levels
Lipid metabolism ph
Migraine without au
Lipid metabolism ph
Systemic lupus eryth
Breast cancer
HDL cholesterol
Lipid metabolism ph
Airflow obstructio
Renal function relat
Lipid metabolism ph
Fibre distribution
Breast size
Economic and politic
Lipid metabolism ph
Primary tooth develo

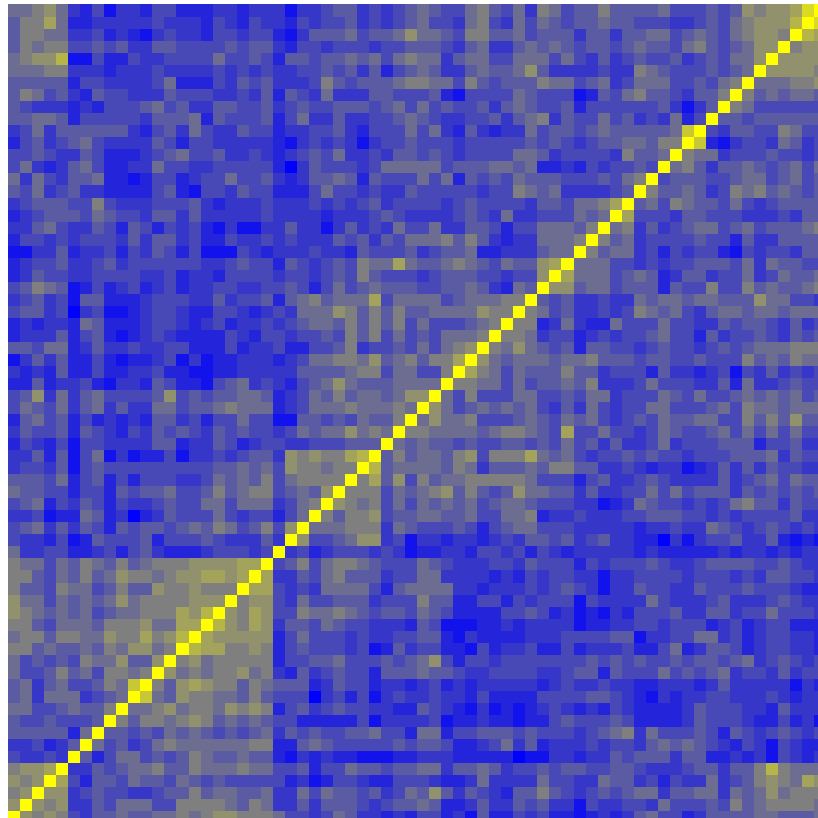
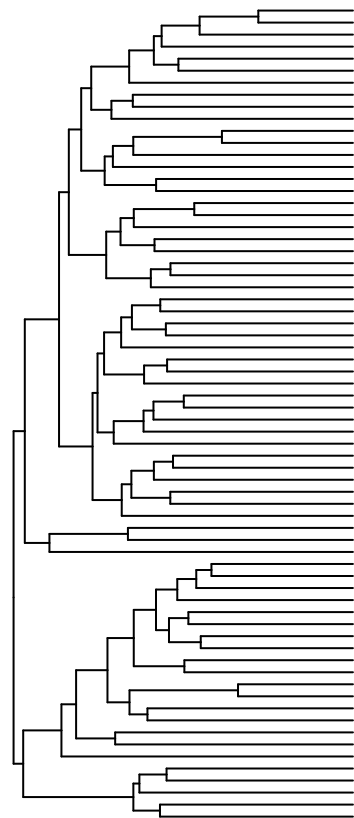
[illegible]



Colorectal_cancer
Lipoprotein.associated
Fasting_glucose_related
Prostate_cancer
Chronic_kidney_disease
Dialysis_related_mortality
Cellulose_disease
Atrial_fibrillation
Alzheimers_disease
Information_processing
Economic_and_political
Liver_enzyme_levels
Drug_metabolism
Sudden_cardiac_arrest
Urate_levels
Migraine_without_aura
Migraine_with_aura
LDL_cholesterol
Cystolectomy_total
Triglyceride_levels
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Attention_deficit_hyperactivity_disorder
Renal_function_related
Wound_healing
Response_to_hepatitis
Telomere_length
Metabolite_levels
Adiponectin_levels
Obesity_related_traits
Coronary_heart_disease
Endometriosis
Post-traumatic_stress
Fcell_distribution
Breast_size
PR_interval
Ventricular_conduction
Systolic_blood_pressure
Glycated_hemoglobin
Hypertension_risk
Thyroid_hormone_level
Mean_corpuscular_volume
Mean_corpuscular_volume
Hematological_parameters
Hematology_traits
Platelet_counts
Platelet_counts
Chronic_lymphocytic
End-stage_coagulation
Iron_status_biomarker
Allergic_rhinitis
Cellulose_disease
Protein_quantitative
Type_1_diabetes_autoantibodies
Systemic_lupus_erythematosus
Inflammatory_bowel_disease
Ulcerative_colitis
Systemic_lupus_erythematosus
Systemic_lupus_erythematosus
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lupus_erythematosus
Height
Mean_platelet_volume
HDL_cholesterol
Primary_tumor_development

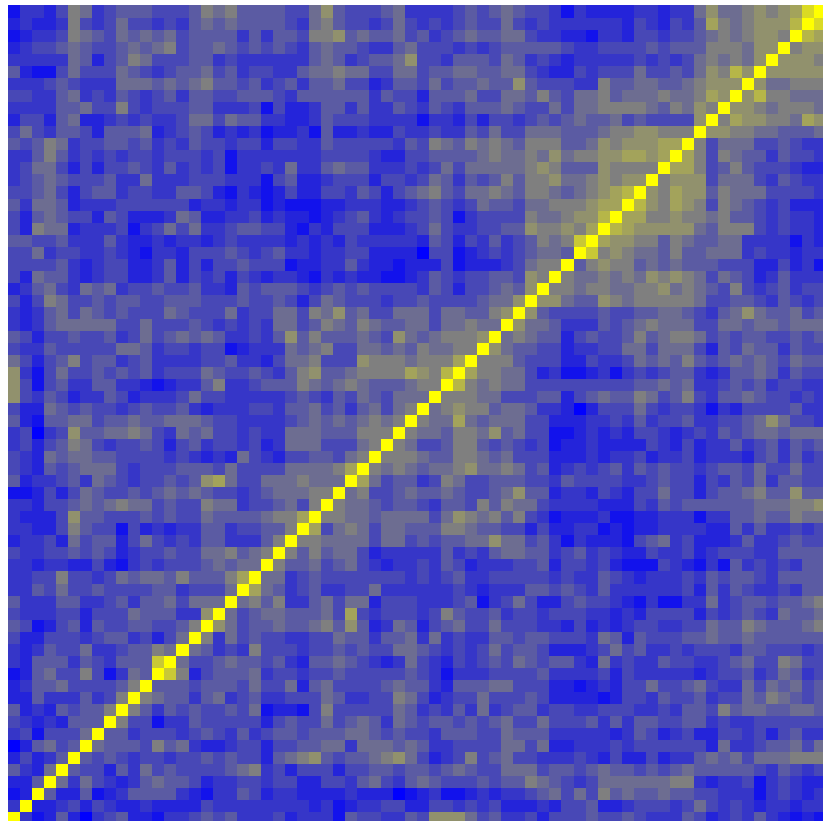


Liver enzyme levels
Lipid metabolism phn
Colorectal cancer
Chronic kidney disease
Dialysis-related_mor
Cellulose disease_m
Information processin
Lipoprotein.associa
Fasting glucose.rela
Chronic kidney dise
Coronary heart dise
Endometriosis
Migraine with aura
Migraine without au
Smoking_habtype
Hypertension_habtyp
Attention_deficit_hy
Hair_morphology
Renal function.relat
Chronic kidney dise
Post-traumatic stress
Economic and politic
F-cell distribution
Chronic kidney dise
Airflow obstruction
Response to hepatitis
Telomere length
Chronic kidney dise
Adiponectin levels
Obesity related traits
Chronic kidney dise
Cholesterol total
Triglycerides
PR interval
Heart rate conduction
Systolic blood press
Glycated hemoglobin
Mean corpuscular v
Chronic kidney dise
Alzheimers_disease
Mean corpuscular h
Red blood cell traits
Chronic kidney dise
Hematological param
Hematology_traits
Chronic lymphocytic
Chronic kidney dise
Iron status biomarker
Self-reported allergy
Type 1 diabetes auto
Type 2 diabetes auto
Inflammatory bowel
Osteoporosis
Ulcerative colitis
Celiac disease
Protein_quantitative
Bone mineral densit
Bone mineral densit
Chronic kidney dise
Systemic lupus eryth
Systemic lupus eryth
Breast cancer
Breast cancer



PR interval
Ventricular conduction
Systolic blood pressure
Diastolic blood pressure
Mean corpuscular volume
Thyroid hormone level
Alzheimer's disease
Calcium concentration
Breast size
Airflow obstruction
Attention deficit hyperactivity disorder
Hair regrowth
Post-traumatic stress disorder
Racial/ethnic relationship
Brain reading
Response to hepatitis B virus
Telomere length
Hypertension
Adiponectin levels
Osteoporosis-related traits
LDL cholesterol
Total cholesterol
Triglycerides
Fasting glucose level
Prostate cancer
Hypertension-related disease
Endometriosis
Migraine with aura
Migraine without aura
Smoking behavior
Cellular disease and aging
Cognitive function
Information processing
Lipoprotein-associated phospholipase activity
Economic and political situation
Lipid metabolism phenotype
Colorectal cancer
Chronic kidney disease
Cholesterol levels
Sudden cardiac arrest
Mean platelet volume
Cholesterol levels
Cholesterol levels
Primary biliary cirrhosis
Chronic lymphocytic leukemia
End-stage coagulation
Chronic kidney disease
Self-reported allergy
Type 1 diabetes autoantibodies
Type 1 diabetes
Type 2 diabetes
Ulcerative colitis
Cellular disease
Protein quantitative proteomics
Protein quantitative proteomics
Bone mineral density
Multiple sclerosis
Chronic kidney disease
Systemic lupus erythematosus
Breast cancer
Height
Mean corpuscular volume
Red blood cell traits
Platelet counts
Hematological parameters

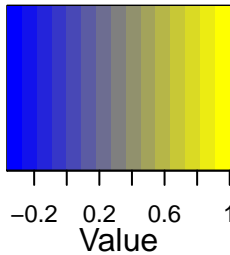
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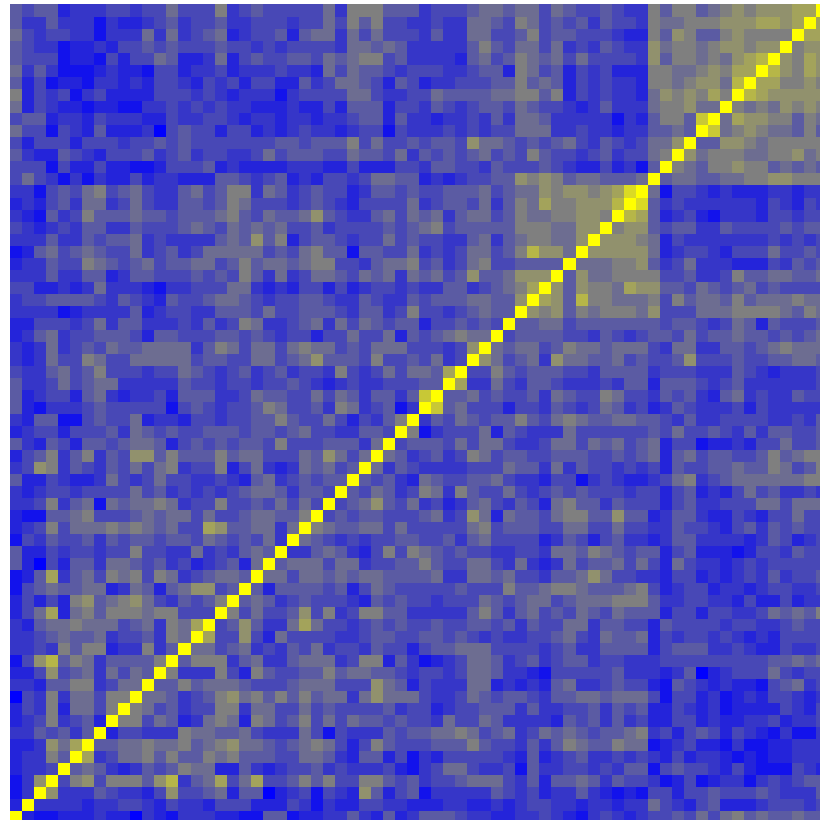
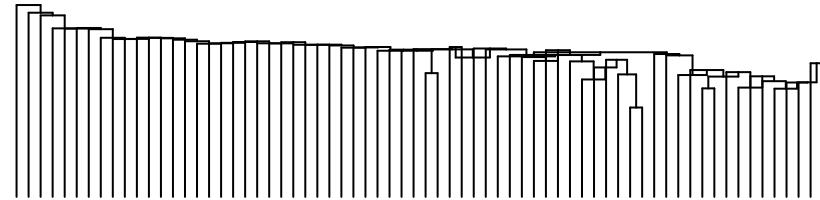
PR_interval
 Ventricular_conduction
 Systolic_blood_pressure
 Diastolic_blood_pressure
 Thyroid_hormone_level
 Mean_corpuscular_v
 Platelet_counts
 Hemoglobin_hematocrit_hemoglobin
 Hematological_parameters
 Red_blood_cell_traits
 Hematology_traits
 Hemoglobin_hematocrit_hemoglobin
 End-stage_coagulation
 Iron_status_biomarker
 Hemoglobin_allergy
 Type_1_diabetes
 Type_1_diabetes
 Ulcerative_colitis
 Hemoglobin_hematocrit_hemoglobin
 Bone_mineral_density
 Bone_mineral_density
 Systemic_lupus_erythematosus
 Protein_quantitative
 Celiac_disease
 Celiac_disease_and
 And_fatigue
 Chronic_kidney_disease
 Dialysis_related_morbidity
 Liver_enzyme_levels
 Lipid_metabolism_ph
 Mean_platelet_volum
 Fasting_glucose_level
 Prostate_cancer
 Endometriosis
 Endometriosis_disease
 Lipoprotein_associati
 LDL_cholesterol
 Information_processing
 Systemic_lupus_disease
 Urate_levels
 Migraine_without_aur
 Migraine_without_aur
 Adiponectin_levels
 Obesity_related_traits
 Response_to_hepatit
 Systemic_lupus_disease
 Metabolic_levels
 Cholesterol_total
 Triglycerides
 Tumor_infection
 Hair_morphology
 Attention_deficit_type
 Attention_deficit_type
 Renal_function_traits
 Word_reading
 F-cell_distribution
 Systemic_lupus_disease
 Economic_and_politi
 Post-traumatic_stress
 Migraine_with_aura
 Systemic_lupus_erythematosus
 Breast_cancer
 High_cholesterol
 Primary_schistoso
 HDL_cholesterol

[illegible]

Color Key



Dist : minkowski ; Hclust : centroid



Chronic_lymphocytic
End stage_coagulation
Iron status biomarker
Self-reported_allergy
Type_1_diabetes_aut
Type_1_diabetes
Ulcerative_colitis
Inflammatory_bowel_d
Multiple_sclerosis
Bone_mineral_density
Bone_mineral_density
Celiac_disease
Protein_quantitative_t
Systemic_lupus_eryth
Hematology_traits
PR_interval
Ventricular_conductio
Systolic_blood_press
Glycated_hemoglobin
Thyroid_hormone_lev
Mean_corpuscular_vo
Alzheimers_disease
Platelet_counts
Red_blood_cell_traits
Mean_corpuscular_he
Hematological_param
Airflow_obstruction
Systemic_lupus_eryth
Atrial_fibrillation
Celiac_disease_and
Response_to_hepatiti
Telomere_length
Attention_deficit_hype
Attention_deficit_hype
F_cell_distribution
Breast_size
Renal_function.related
Chronic_kidney_disea
Mean_platelet_volum
Breast_cancer
Hair_morphology
Dialysis_related_mort
Information_processing
Lipoprotein.associat
Economic_and_politi
Word_reading
Post traumatic_stress
Fasting_glucose.relat
Triglycerides
Migraine_with_aura
Colorectal_cancer
LDL_cholesterol
Cholesterol_total
Adiponectin_levels
Lipid_metabolism.ph
Sudden_cardiac_arre
Smoking_behavior
Prostate_cancer
Endometriosis
Coronary_heart_disea
Metabolite_levels
Urate_levels
Migraine_without_aur
Obesity_related_traits
Liver_enzyme_levels
HDL_cholesterol
Primary_tooth_develo
Height

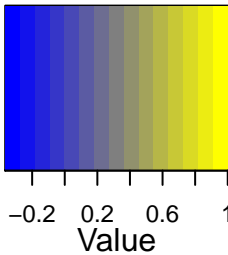
Height
b_first_tooth_eruption
HDL_cholesterol
glutaryl_transferase
Type_1_diabetes
Migraine_without_aura
Urate_levels
Metabolite_levels
Coronary_heart_disease
Endometriosis
Prostate_cancer
Smoking_behavior
Adiponectin_levels
Lipid_metabolism.ph
Cholesterol_total
Cholesterol_HDL
Colorectal_cancer
Migraine_with_aura
Triglycerides
Intermittent_claudica
Word_reading
political_preferences
Information_processing
Word_processing_speed
Lysis.related_mortality
Hair_morphology
Height
Mean_platelet_volume
Chronic_kidney_disease
BUN
Fasting_glucose
Fcell_distribution
Impulsivity_symptoms
Combined_symptoms
Chronic_kidney_disease
Hepatitis_C_treatment
Rheumatoid_arthritis
Atrial_fibrillation
d_Symptoms
Atrial_fibrillation
Hematological_parameters
Puscular_hemoglobin
Red_blood_cell_traits
Platelet_counts
Disease_biomarkers
Corpuscular_volume
Corpuscular_hemoglob
Mean_platelet_volume
Systolic_blood_pressure
End stage_coagulation
Ventricular_conductio
Hematology_traits
Lupus_erythematosus
Lupus_erythematosus
quantitative_trait_loci
Cholesterol_HDL
Bone_mineral_density
Multiple_sclerosis
Multiple_sclerosis
Inflammatory_bowel_d
Type_1_diabetes
Betes_autoantibodies
Self-reported_allergy
End stage_coagulation
Chronic_lymphocytic
lymphocytic_leukemia

A heatmap visualization of a correlation matrix. The top of the image features a dendrogram showing the hierarchical clustering of the data points. Below the dendrogram is a large square heatmap. The diagonal of the heatmap is bright yellow, representing a correlation of 1.0 for self-comparisons. The rest of the matrix is filled with a dense pattern of blue and yellow pixels, representing the pairwise correlations between the data points. The overall shape of the heatmap is roughly rectangular, with some irregularities in the dendrogram structure.

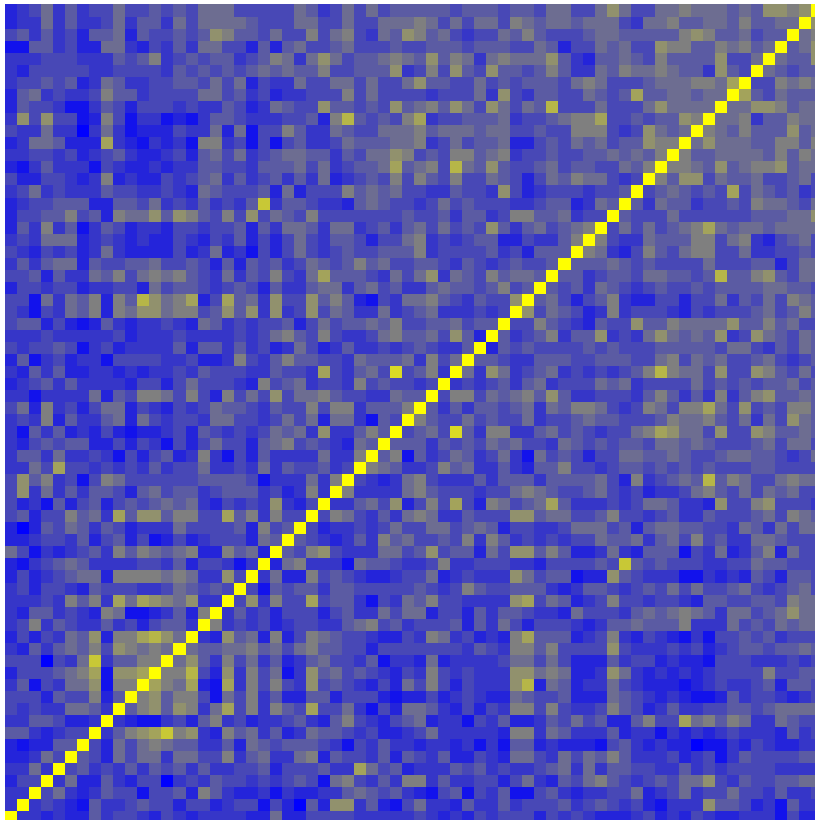
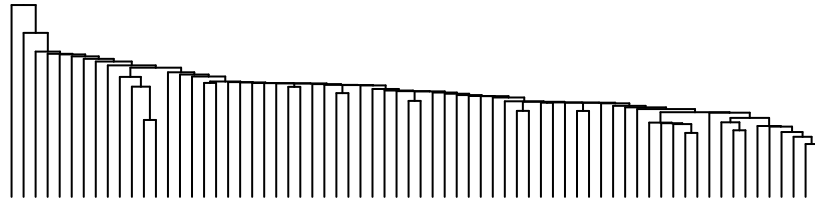
Atrial fibrillation
 Chronic kidney disease
 C-reactive protein
 Systolic blood pressure
 Hair distribution
 Hair morphology
 Mean corpuscular hemoglobin
 Mean platelet volume
 Platelets count
 Glycated hemoglobin
 Attention deficit hyperactivity disorder
 Self-reported allergy
 Hematological parameters
 Hematology traits
 Hemoglobin
 Mean platelet volume
 Primary tooth development
 Systemic lupus erythematosus
 Systemic lupus erythematosus
 Systemic lupus erythematosus
 Breast size
 Prostate cancer
 Urate levels
 Migraine without aura
 R² interval
 Migraine without aura
 Ventricular conduction
 Cholesterol total
 Endomyocardial fibrosis
 Obesity related traits
 Fasting glucose level
 Fasting glucose level
 Economic and political
 Thyroid hormone level
 Response to hepatitis
 Response to hepatitis
 Dialysis related mortality
 Post-traumatic stress disorder
 Word reading
 Migraine without aura
 Mean corpuscular volume
 Information processing
 Triglyceride levels
 Mean corpuscular volume
 Migraine without aura
 Smoking behavior
 Smoking behavior
 Sudden cardiac arrest
 Inflammatory bowel disease
 Type 1 diabetes
 Type 1 diabetes
 Ulcerative colitis
 Bone mineral density
 HDL cholesterol
 Iron status biomarker
 Bone mineral density
 Bone mineral density
 Telomere length
 Red blood cell traits
 Systemic lupus erythematosus
 Lung cancer
 Height

[illegible]

Color Key



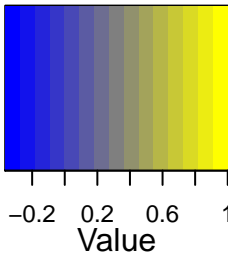
Dist : canberra ; Hclust : single



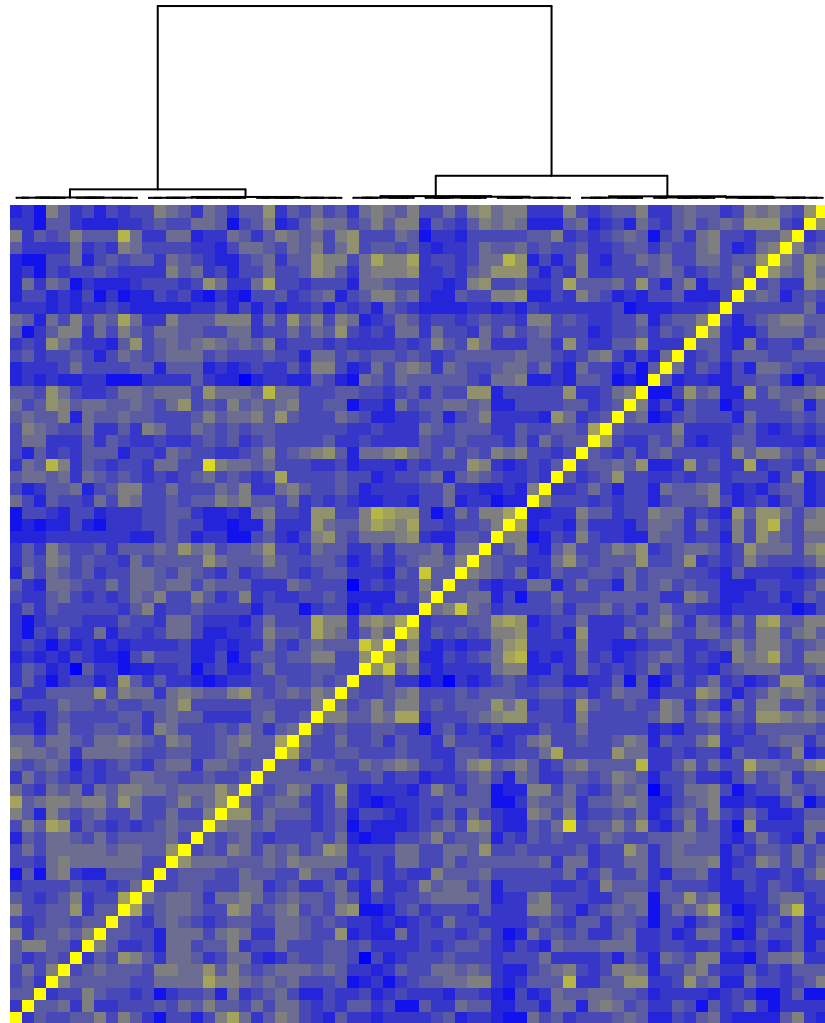
Celiac_disease_and
Atrial_fibrillation
Chronic_kidney_disease
Information_processing
Platelet_counts
Glycated_hemoglobin
Lipoprotein_associated
LDL_cholesterol
Mean_corpuscular_vo
Liver_enzyme_levels
Prostate_cancer
Urate_levels
Alzheimers_disease
Systolic_blood_press
Migraine_with_aura
Cholesterol_total
Attention_deficit_hype
Celiac_disease
Fasting_glucose_relat
Coronary_heart_disea
Endometriosis
Systemic_lupus_eryth
Mean_corpuscular_h
Airflow_obstruction
Type_1_diabetes_aut
Self_reported_allergy
Triglycerides
Thyroid_hormone_lev
Economic_and_politi
F_cell_distribution
Ventricular_conducti
Hair_morphology
Hematological_param
Colorectal_cancer
Dialysis_related_mort
PR_interval
Renal_function_relate
Metabolite_levels
Response_to_hepatiti
Lipid_metabolism_ph
Mean_platelet_volum
Red_blood_cell_traits
Chronic_lymphocytic
Post_traumatic_stress
Word_reading
Hematology_traits
Attention_deficit_hype
Multiple_sclerosis
Breast_size
End_stage_coagulation
Smoking_behavior
Adiponectin_levels
Ulcerative_colitis
Protein_quantitative
Bone_mineral_density
Inflammatory_bowel
Type_1_diabetes
Systemic_lupus_eryth
Iron_status_biomarker
Migraine_without_aur
Bone_mineral_density
Height
Breast_cancer
Telomere_length
Sudden_cardiac_arre
Obesity_related_traits
HDL_cholesterol
Primary_tooth_develo

tooth_eruption
HDL_cholesterol
Obesity_related_traits
Cardiac_arrest
Breast_cancer
Height
Bone_mineral_density
Iron_status_biomarker
Lupus_erythematosus
Type_1_diabetes
Platelet_counts
Mean_corpuscular_h
Mean_platelet_volum
Quantitative_trait_loci
Ulcerative_colitis
Smoking_behavior
End_stage_coagulation
Breast_size
Multiple_sclerosis
Hematology_traits
Attention_deficit_hype
Systolic_blood_press
Red_blood_cell_traits
Mean_platelet_volum
Smoking_behavior
Hepatitis_C_treatment
Metabolite_levels
Iron_status_biomarker
Urate_levels
BUN
Analysis_related_mortality
Colorectal_cancer
Hematological_param
F_cell_distribution
Ventricular_conducti
Political_preferences
Self_reported_allergy
Antibodies
Mean_platelet_volum
Mean_corpuscular_h
Type_1_diabetes
Systemic_sclerosis
Endometriosis
Migraine_with_aura
Interaction_with_BMI
Combined_symptoms
Mean_platelet_volum
Migraine_with_aura
Systolic_blood_press
Disease_biomarkers
Prostate_cancer
Urate_levels
Glutaryl_transferase
Mean_corpuscular_volum
Type_2_activity
Fasting_glucose_relat
Platelet_counts
Information_processing
Atrial_fibrillation
Rheumatoid_arthritis

Color Key

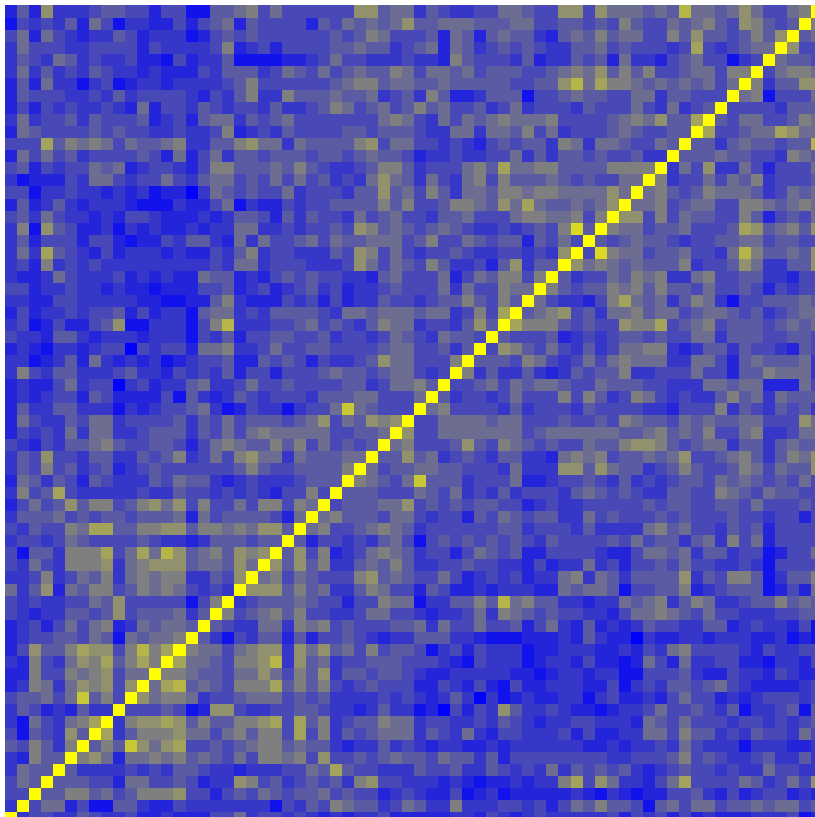
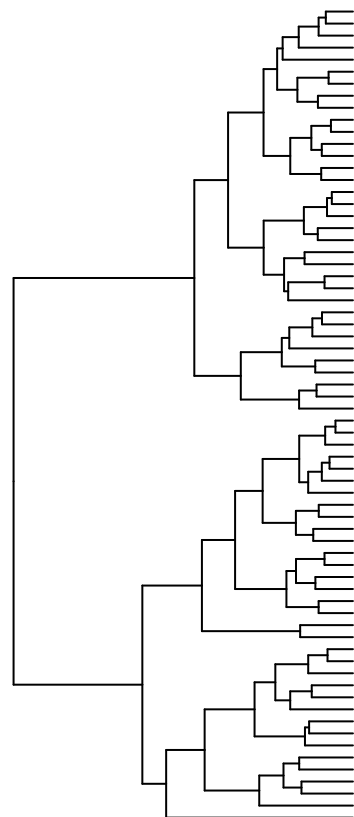


Dist : canberra ; Hclust : complete



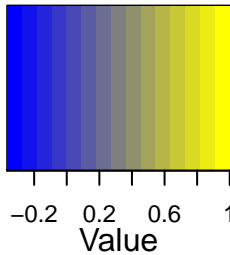
Migraine without aura
Metabolite levels
Obesity-related traits
Systolic blood pressure
Adiponectin levels
Sudden cardiac arrest
Smoking behavior
Plasma transferrin
Interaction with BMI
Hair morphology
Atrial fibrillation
Rheumatoid arthritis
n.related traits BUN
Migraine with aura
Urate levels
Prostate cancer
Atrial fibrillation
pulsar hemoglobin
LDL cholesterol
v2 activity and mass
lymphocyte leukemia
Celiac disease
Chronic kidney disease
Bone mineral density
Ulcerative colitis
Bone mineral density
Word reading
Impulsivity symptoms
End-stage copulation
Combined symptoms
Platelet counts
Multiple sclerosis
Type 1 diabetes
Metastatic disease
Endometriosis
Cholesterol total
Cholesterol total
Quantitative trait loci
Chronic kidney disease
Hepatitis
Triglycerides
n_processing speed
Mean corpuscular volume
Height
Breast cancer
d. systemic sclerosis
Systolic blood pressure
Systolic blood pressure
Colorectal cancer
p_first tooth eruption
Adiponectin levels
Self-reported allergy
Diabetes autoantibodies
Mean platelet volume
Hematology traits
Hematological parameters

Hematology parameters
Hematology traits
Lipid metabolism phenotype
Mean platelet volume
Type 1 diabetes autoantibodies
Self-reported allergy
Red blood cell traits
Systemic lupus erythematosus
Primary tooth development
Colorectal cancer
Dialysis-related mortality
Thyroid hormone levels
Systemic lupus erythematosus
Breast cancer
Height
Mean corpuscular volume
Information processing speed
Triglycerides
Response to hepatitis
Telomere length
Protein quantitative trait loci
Ventricular conduction
Cholesterol total
Coronary heart disease
Endometriosis
Inflammatory bowel disease
Type 1 diabetes
Multiple sclerosis
Platelet counts
Glycated hemoglobin
Attention deficit hyperactivity disorder
Post-traumatic stress disorder
Word reading
Attention deficit hyperactivity disorder
End-stage coagulation
Iron status biomarkers
Bone mineral density
Ulcerative colitis
Bone mineral density
Chronic kidney disease
HDL cholesterol
Chronic lymphocytic leukemia
Breast size
Lipoprotein-associated phospholipase activity
LDL cholesterol
Mean corpuscular volume
Airflow obstruction
Prostate cancer
Urate levels
Migraine with aura
PR interval
Renal function-related traits
Celiac disease and autoantibodies
Atrial fibrillation
F-cell distribution
Hair morphology
Fasting glucose-related traits
Liver enzyme levels
Economic and political factors
Smoking behavior
Adiponectin levels
Sudden cardiac arrest
Alzheimers disease
Systolic blood pressure
Obesity-related traits
Metabolite levels
Migraine without aura

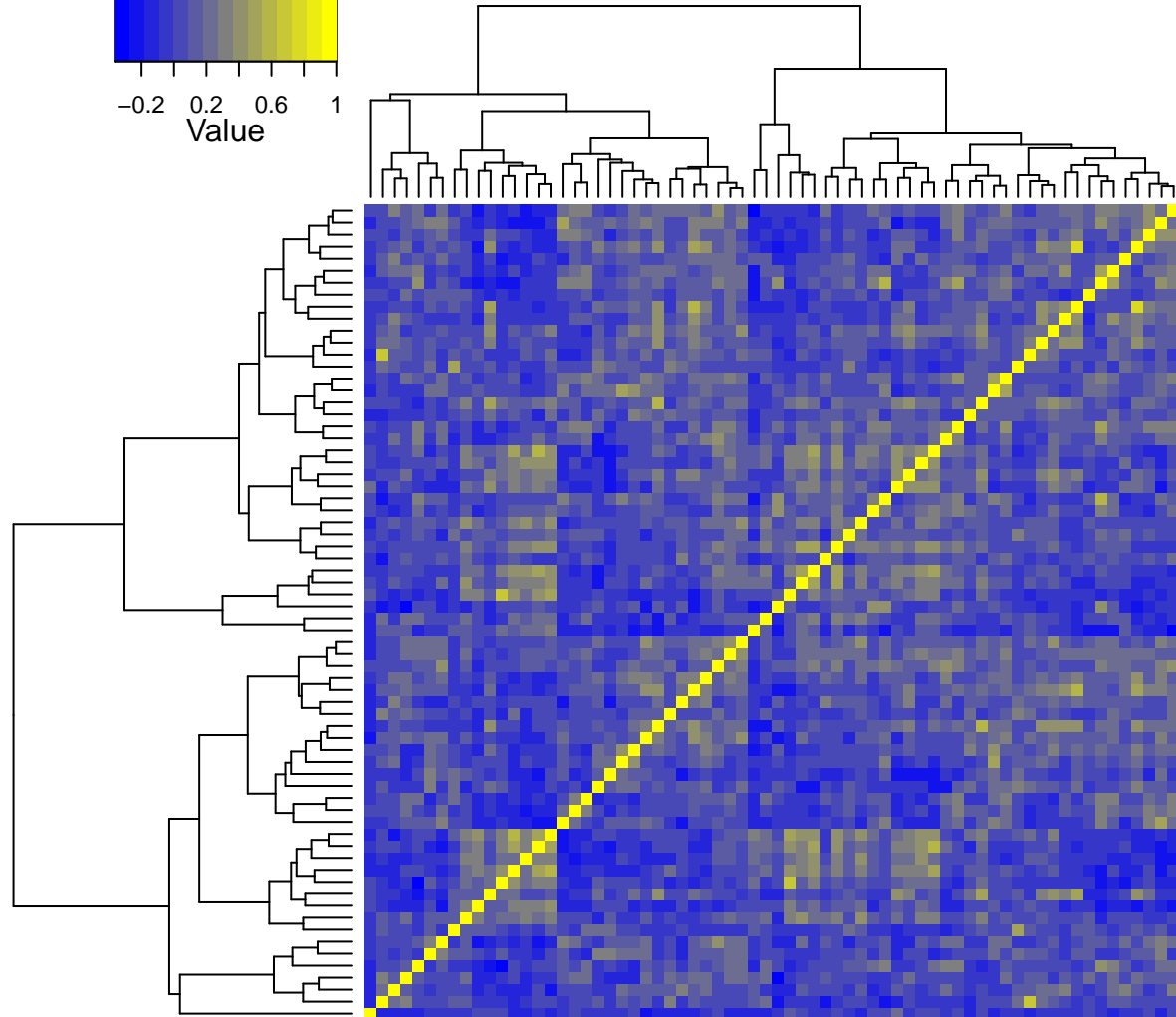


Mean corpuscular volume
Information processing
Triglycerides
Type 1 diabetes
Obesity related traits
Alzheimer's disease
Systemic blood pressure
Type 2 diabetes
Hair morphology
Lipoprotein-associated
LDL cholesterol
Cardiovascular health
Airflow obstruction
Colorectal cancer
Risk factors for mortality
Prostate cancer
Urate levels
Migraine with aura
Pain
Renal function, related
Ventricular conduction
Thyroid hormone level
Type 2 diabetes
Endometriosis
Migraine without aura
Fasting glucose
Low enzyme levels
Economic and political
Sudden cardiac arrest
Type 2 diabetes
Adiponectin levels
Post-traumatic stress
Word reading
Type 1 diabetes
Celiac disease and
Atrial fibrillation
Chronic lymphocytic
Platelet counts
Glycated hemoglobin
Attention deficit hyper
Type 2 diabetes
Celiac disease
Systemic lupus eryth
Chronic lymphocytic
Type 1 diabetes auto
Self-reported allergy
Hematological paramet
Type 2 diabetes
Lipid metabolism ph
Mean platelet volum
Breast cancer
Inflammatory bowel
Type 1 diabetes
Multiple sclerosis
Ulcerative colitis
Bone mineral densit
HDL cholesterol
Type 2 diabetes
Iron status biomarker
Bone mineral densit
Protein quantitative
Type 2 diabetes
Red blood cell traits
Systemic lupus eryth
Type 2 diabetes
Primary tooth develop

Color Key

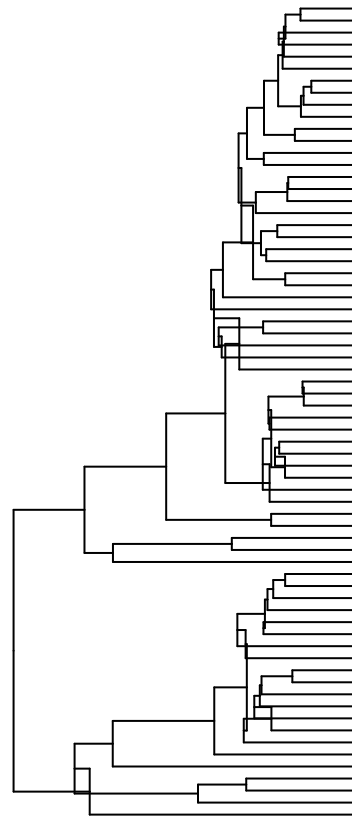


Dist : canberra ; Hclust : mcquitty



Prostate_cancer
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Migraine_with_aura
PK_interval
Renal_function.related
Fasting_glucose.related
Liver_enzyme_levels
Economic_and_politic
Ventricular_conductio
Thyroid_hormone_leve
Platelet_counts
Glycated_hemoglobin
Attention_deficit_hype
Response_to_hepatitis
Lipoprotein_associate
LDL_cholesterol
Mean_corpuscular_he
Airflow_obstruction
Colorectal_cancer
Dialysis.related_morta
Type_1_diabetes_aut
Self-reported_allergy
Hematological_param
Hematology_traits
Lipid_metabolism_ph
Mean_platelet_volum
Celiac_disease
Systemic_lupus_eryth
Chronic_lymphocytic
Breast_size
End_stage_coagulation
Iron_status_biomarker
Bone_mineral_density
HDL_cholesterol
Breast_cancer
Height
Celiac_disease_and
Atrial_fibrillation
Chronic_kidney_disea
Alzheimers_disease
Systolic_blood_press
F.cell_distribution
Hair_morphology
Mean_corpuscular_vo
Information_processing
Triglycerides
Cholesterol_total
Obesity.related_traits
Metabolite_levels
Coronary_heart_disea
Endometriosis
Migraine_without_aura
Inflammatory_bowel
Type_1_diabetes
Multiple_sclerosis
Ulcerative_colitis
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Red_blood_cell_traits
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Telomere_length
Smoking_behavior
Adiponectin_levels
Sudden_cardiac_arre
Post.traumatic_stress
Word_reading
Attention_deficit_hype
Primary_tooth_develo
Prostate_cancer

Impulsivity_symptoms
Word_reading
Adjusted_for_relatedness
Adiponectin_levels
Smoking_behavior
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Lupus_erythematosus
Red_blood_cell_traits
Bone_mineral_density
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Type_1_diabetes
Inflammatory_bowel_disease
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Endometriosis
Coronary_heart_disease
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Atrial_fibrillation
Rheumatoid_arthritis
Breast_cancer
HDL_cholesterol
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End_stage_coagulation
Breast_size
Fibrinogen_levels
Mean_platelet_volume
Metabolism_phenotypes
Hematological_parameters
Self-reported_allergy
Diabetes_autonibodies
Systolic_blood_pressure
Airflow_obstruction
Puscular_hemoglobin
Mean_platelet_volume
Type_2_activity
Hepatitis_C_treatment
Combined_symptoms
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Interaction_traits_BUN
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Urate_levels
Prostate_cancer

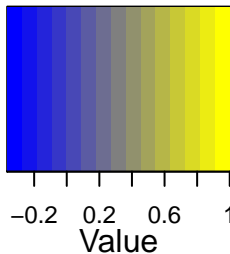


Lipoprotein associated
 LDL cholesterol
 Mean corpuscular h
 Mean corpuscular v
 Celiac disease
 Chronic kidney disea
 Celiac disease_and
 Celiac disease
 Platelet counts
 Glycated hemoglobin
 Rheimer's disease
 Rheimer's disease
 Attention deficit hyp
 Response to hepatitis
 Attention deficit hyp
 Information processin
 Triglycerides
 Cholesterol total
 Cholesterol total
 Dialysis related_mor
 Post-traumatic stress
 Word reading
 Endometriosis
 Endometriosis
 Obesity related traits
 Smoking behavior
 Adiponectin levels
 Sudden cardiac arre
 Sudden cardiac arre
 Migraine without aur
 Prostate cancer
 Urate levels
 Urate levels
 Celi distribution
 Hair morphology
 Fasting glucose relat
 Fasting glucose relat
 PR interval
 Economic and politic
 Ventricular conductio
 Ventricular conductio
 Lipid metabolism_hu
 Mean platelet volum
 Systemic lupus eryth
 Systemic lupus eryth
 Renal function relat
 Type 1 diabetes auto
 Type 1 diabetes auto
 Chronic lymphocytic
 Ulcerative colitis
 Hematological param
 Hematological param
 Breast cancer
 Protein quantitative
 Inflammatory bowel
 Inflammatory bowel
 Multiple sclerosis
 Iron status biomarker
 Iron status biomarker
 Systemic lupus eryth
 Red blood cell traits
 Telomere length
 Telomere length
 End stage congestio
 Bone mineral densi
 HDL cholesterol
 HDL cholesterol

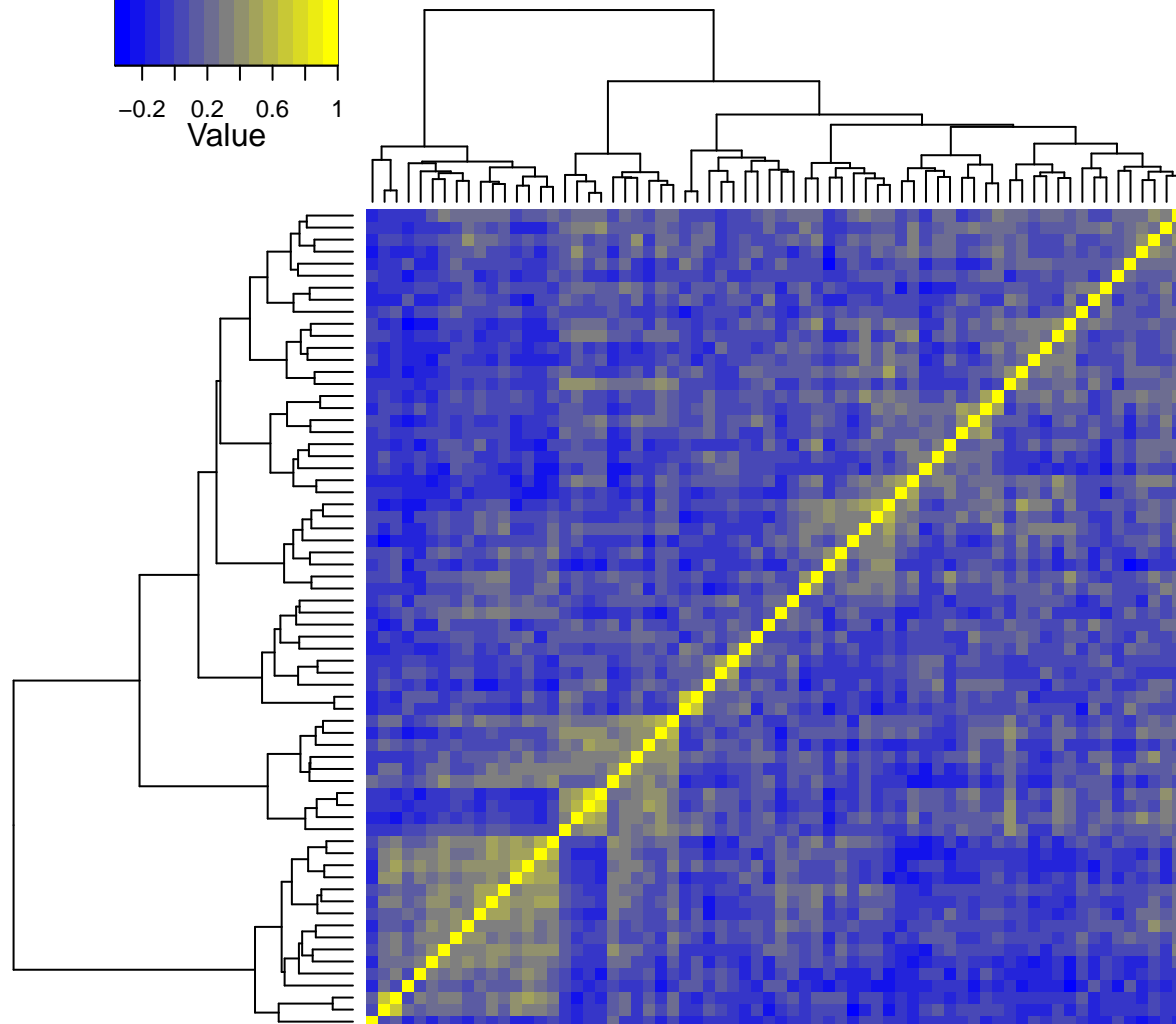
- Celiac disease and Atrial fibrillation
- Platelet counts
- Chronic liver disease
- Glycated hemoglobin
- Attention deficit hyperactivity disorder
- Response to hepatitis B virus
- Information processing
- Triglycerides
- Cholesterol total
- Chronic liver disease
- Systolic blood pressure
- Colorectal cancer
- Posttraumatic stress disorder
- Posttraumatic stress
- Work reading
- Coronary heart disease
- Chronic liver disease
- Smoking behavior
- Adipokinetic tests
- Sudden cardiac arrest
- Chronic liver disease
- Migraine without aura
- Metabolic levels
- Density related traits
- Chronic liver disease
- Self-reported allergy
- Chronic lymphocytic leukemia
- Chronic liver disease
- Hematological parameters
- Hematology traits
- Breast cancer
- Chronic liver disease
- Red blood cell traits
- Inflammatory bowel disease
- Type 1 diabetes
- Chronic liver disease
- Iron status biomarker
- Systemic lupus erythematosus
- Mean mineral density
- Chronic liver disease
- Mineral density
- HDL cholesterol
- Chronic liver disease
- Height
- Primary tooth development
- Fasting glucose levels
- Chronic liver disease
- PR interval
- Economic and political
- Prostate cancer
- Chronic liver disease
- Migraine with aura
- F-cell distribution
- Lipoprotein associated
- Chronic liver disease
- Mean corpuscular hemoglobin
- Airflow obstruction
- Chronic liver disease
- Hand morphology
- Thyroid hormone level
- Renal function related
- Chronic liver disease
- Lipid metabolism phenotype
- Mean platelet volume
- Systemic lupus erythematosus

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Color Key

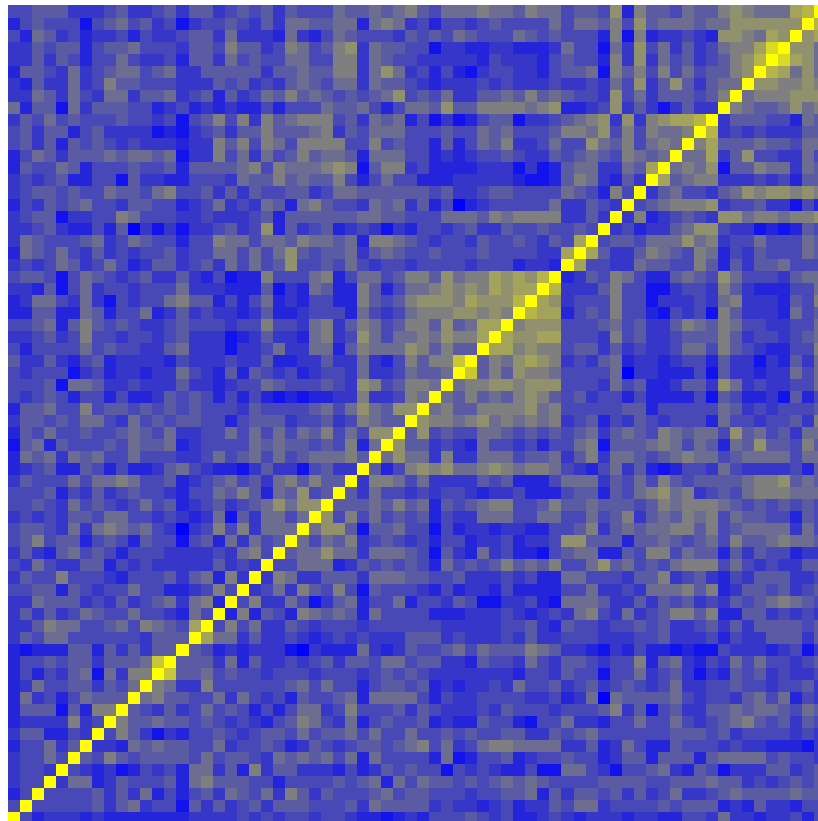


Dist : maximum ; Hclust : ward



Atrial_fibrillation
Alzheimers_disease
Celiac_disease_and
Information_processing
Posttraumatic_stress
Economic_and_politic
Fcell_distribution
Word_reading
Breast_size
Prostate_cancer
Migraine_with_aura
Coronary_heart_disea
Endometriosis
Fasting_glucose_relat
Thyroid_hormone_leve
Lipoprotein.associa
LDL_cholesterol
Triglycerides
Cholesterol_total
Smoking_behavior
Adiponectin_levels
Obesity_related_trait
Urate_levels
Migraine_without_aur
Liver_enzyme_levels
Lipid_metabolism_ph
Colorectal_cancer
Sudden_cardiac_arre
Mean_platelet_volum
HDL_cholesterol
Chronic_kidney_disea
Dialysis.related_mort
Systemic_lupus_eryth
Breast_cancer
Renal_function.related
Airflow_obstruction
Hair_morphology
Response_to_hepatiti
Telomere_length
Metabolite_levels
Attention_deficit_hype
Attention_deficit_hype
Mean_corpuscular_h
Mean_corpuscular_vo
Red_blood_cell_trait
Platelet_counts
Hematological_param
Hematology_traits
PR_interval
Ventricular_conductio
Systolic_blood_press
Glycated_hemoglobin
Type_1_diabetes_aut
Type_1_diabetes
Inflammatory_bowel_
Ulcerative_colitis
Chronic_lymphocytic
End.stage_coagulation
Iron_status_biomarke
Celiac_disease
Protein_quantitative
Self.reported_allergy
Multiple_sclerosis
Systemic_lupus_eryth
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Bone_mineral_densiti
Primary_tooth_develo
Atrial_fibrillation

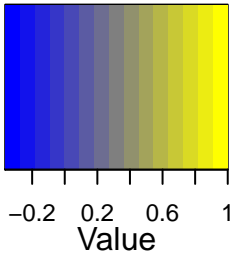
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Bone_mineral_density
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Quantitative_trait_location
Iron_status_biomarkers
End-stage_coagulation
Lymphocytic_leukemia
Ventricular_conduction
Type_1_diabetes
Diabetes_autism
Autoantibodies
Systolic_blood_pressure
Metabolic_blood_pressure
PR_interval
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Combined_symptoms
Height
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Hair_morphology
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Breast_cancer
Systemic_sclerosis
Systolic_blood_pressure
HDL_cholesterol
Mean_platelet_volume
Mean_platelet_volume
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Migraine_without_aura
Urate_levels
Obesity-related_traits
Adiponectin_levels
Shooting_star_trait
Cholesterol_total
Triglycerides
LDL_cholesterol
2_cholesterol_and_fats
Thyroid_hormone_level
Interaction_with_BMI
Endometriosis
Protein_quantitative
Migraine_with_aura
Prostate_cancer
Breast_size
Word_reading
Feet_preferences
Fasting_glucose_relat
Height
Self-reported_allergy
Multiple_sclerosis
Systemic_lupus_eryth
Height
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Bone_mineral_density
Primary_tooth_development



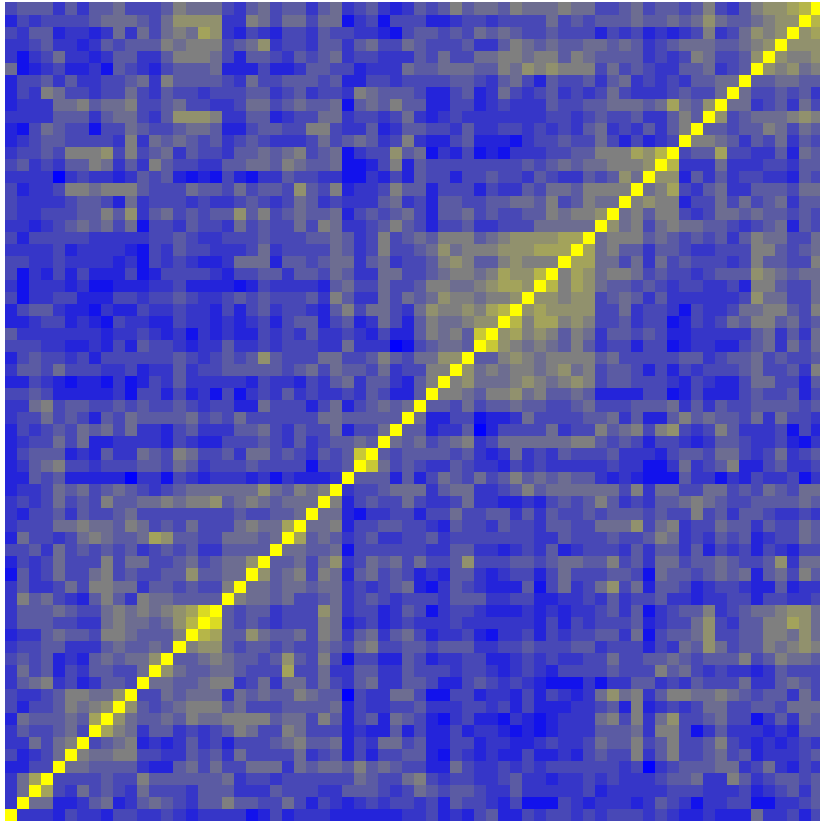
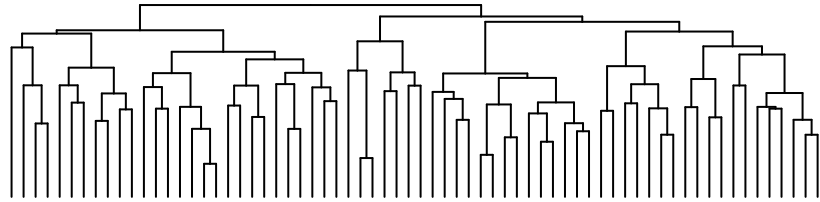
Mean corpuscular_v
Mean corpuscular_w
Red_blood_cell_traits
Red_blood_cell_traits
Ventricular_conduction
Systolic_blood_pressure
Thyroid_hormone_level
Thyroid_hormone_level
Hematology_traits
Liver_enzyme_levels
Lipid_metabolism_phar
Lipid_metabolism_phar
Fasting_glucoze_relati
Urate_levels
Urate_levels
Type_1_diabetes_outpat
Glycated_hemoglobin_ba
Sudden_cardiac_arrest
Hematological_paramet
Lipoprotein_associate
LDL_cholesterol
Cholesterol_total
Cholesterol_total
Type_1_diabetes
Inflammatory_bowel_d
Type_1_diabetes
Chronic_lymphocytic
End-stage_coagulation
Iron_status_biomarker
Iron_status_biomarker
Bone_mineral_density
Self_reported_allergy
Systolic_blood_erythr
Systolic_blood_erythr
Protein_quantitative
Celiac_disease
Celiac_disease
Atrial_fibrillation
Multiple_sclerosis
Alzheimer's_disease
Alzheimer's_disease
Chronic_kidney_disea
Dialysis_related_mort
Prostate_cancer
Prostate_cancer
Smoking_behavior
Mean_platelet_volume
Adiponectin_levels
Adiponectin_levels
Metabolite_levels
Coronary_heart_disease
Coronary_heart_disease
Telomere_length
Height
Attention_deficit_hyper
Attention_deficit_hyper
Hair_morphology
Post-traumatic_stress
Cell_distribution
Cell_distribution
Breast_size
Breast_cancer
Breast_cancer
Obesity_related_traits
Systolic_blood_erythr
Airflow_obstruction
Airflow_obstruction
Primary_tumor_develo

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Color Key



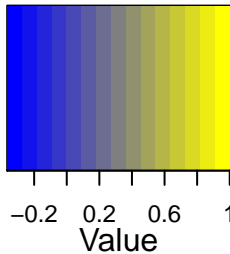
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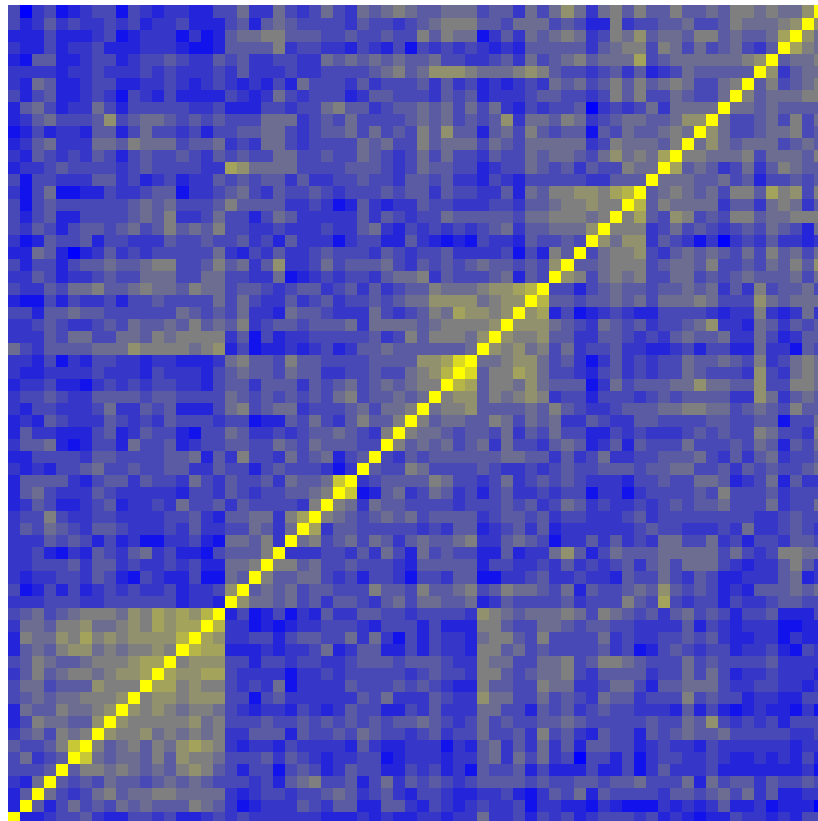
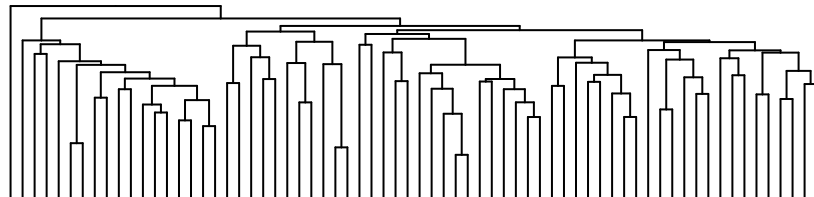
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Mean_corpuscular_v...
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Platelet_counts
Hematological_param...
Hematology_traits
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Hair_morphology
Fasting_glucose_relat...
Thyroid_hormone_leve...
F_cell_distribution
Word_reading
Liver_enzyme_levels
Lipid_metabolism_ph...
HDL_cholesterol
Colorectal_cancer
Mean_platelet_volum...
Chronic_kidney_disea...
Dialysis_related_mor...
Chronic_lymphocytic...
End_stage_coagulatio...
Iron_status_biomarke...
Type_1_diabetes_aut...
Type_1_diabetes
Self-reported_allergy...
Inflammatory_bowel_...
Ulcerative_colitis
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Bone_mineral_densit...
Celiac_disease
Protein_quantitative...
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Systemic_lupus_eryth...
Systemic_lupus_eryth...
Renal_function_related...
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Breast_cancer
Attention_deficit_hype...
Attention_deficit_hype...
Height
Atrial_fibrillation
Alzheimers_disease_...
Breast_size
Lipoprotein_associate...
LDL_cholesterol
Economic_and_politic...
Celiac_disease_and...
Information_processing...
Smoking_behavior
Adiponectin_levels
PR_interval
Ventricular_conductio...
Systolic_blood_press...
Glycated_hemoglobin...
Triglycerides
Cholesterol_total
Metabolite_levels
Prostate_cancer
Migraine_with_aura
Urate_levels
Migraine_without_aura...
Coronary_heart_disea...
Endometriosis
Post-traumatic_stress...
Response_to_hepatiti...
Telomere_length
Obesity_related_traits...
Primary_tooth_develo...

p_first_tooth_eruption
Obesity_related_traits
Telomere_length
Hepatitis_C_treatment...
Celiac_disease_and...
Endometriosis
Coronary_heart_disea...
Migraine_without_aura...
Migraine_with_aura
Prostate_cancer
Metabolite_levels
Cholesterol_total
Triglycerides
Adiponectin_levels
PR_interval
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Systolic_blood_press...
Glycated_hemoglobin...
Cholesterol_total
Metabolite_levels
Prostate_cancer
Migraine_with_aura
Urate_levels
Migraine_without_aura...
Coronary_heart_disea...
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Post-traumatic_stress...
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Telomere_length
Obesity_related_traits...
Primary_tooth_develo...

Color Key

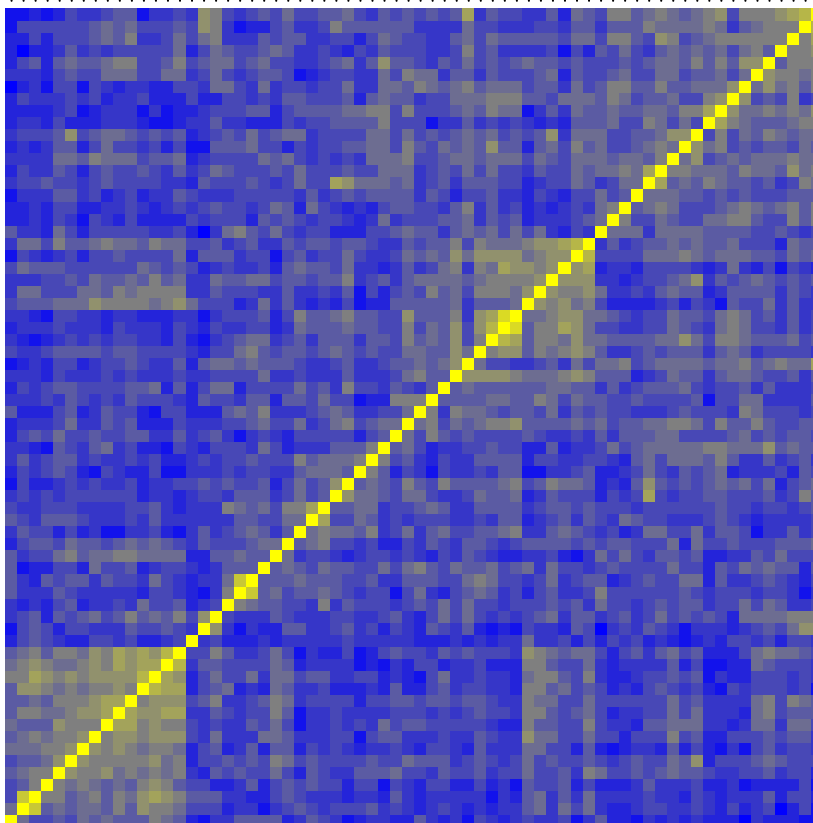


Dist : maximum ; Hclust : average



Prostate_cancer
Migraine_with_aura
Urate_levels
Migraine_without_aura
Fasting_glucose_related_traits
Thyroid_hormone_levels
Coronary_heart_disease
Endometriosis
Post-traumatic_stress
Celiac_disease_and_information_processing
Atrial_fibrillation
Lipoprotein_associated_LDL_cholesterol
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Lipid_metabolism_parameters
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HDL_cholesterol
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Chronic_kidney_disease
Dialysis_related_mortality
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Mean_corpuscular_hemoglobin
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Platelet_counts
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Hematology_traits
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Ventricular_conduction
Systolic_blood_pressure
Glycated_hemoglobin
Alzheimers_disease
F_cell_distribution
Word_reading
Renal_function_related_traits
Airflow_obstruction
Breast_size
Attention_deficit_hyperactivity_disorder
Hair_morphology
Response_to_hepatitis
Telomere_length
Metabolite_levels
Smoking_behavior
Adiponectin_levels
Obesity_related_traits
Triglycerides
Cholesterol_total
Type_1_diabetes_autism_spectrum_disorder
Type_1_diabetes
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Systemic_lupus_erythematosus
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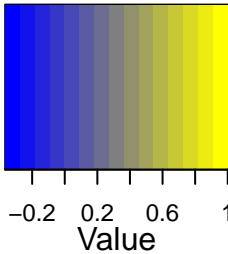
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Thyroid_hormone_levels
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Endometriosis
Post-traumatic_stress
Celiac_disease_and_information_processing
Atrial_fibrillation
Lipoprotein_associated_LDL_cholesterol
Economic_and_political
Liver_enzyme_levels
Lipid_metabolism_parameters
Colorectal_cancer
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HDL_cholesterol
Sudden_cardiac_arrest
Chronic_kidney_disease
Dialysis_related_mortality
Mean_corpuscular_volume
Mean_corpuscular_hemoglobin
Red_blood_cell_traits
Platelet_counts
Hematological_parameters
Hematology_traits
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Airflow_obstruction
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Hair_morphology
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Telomere_length
Metabolite_levels
Smoking_behavior
Adiponectin_levels
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Cholesterol_total
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Type_1_diabetes
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Chronic_lymphocytic_thyroiditis
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Celiac_disease
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Bone_mineral_density
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Systemic_lupus_erythematosus
Breast_cancer
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Primary_tooth_development



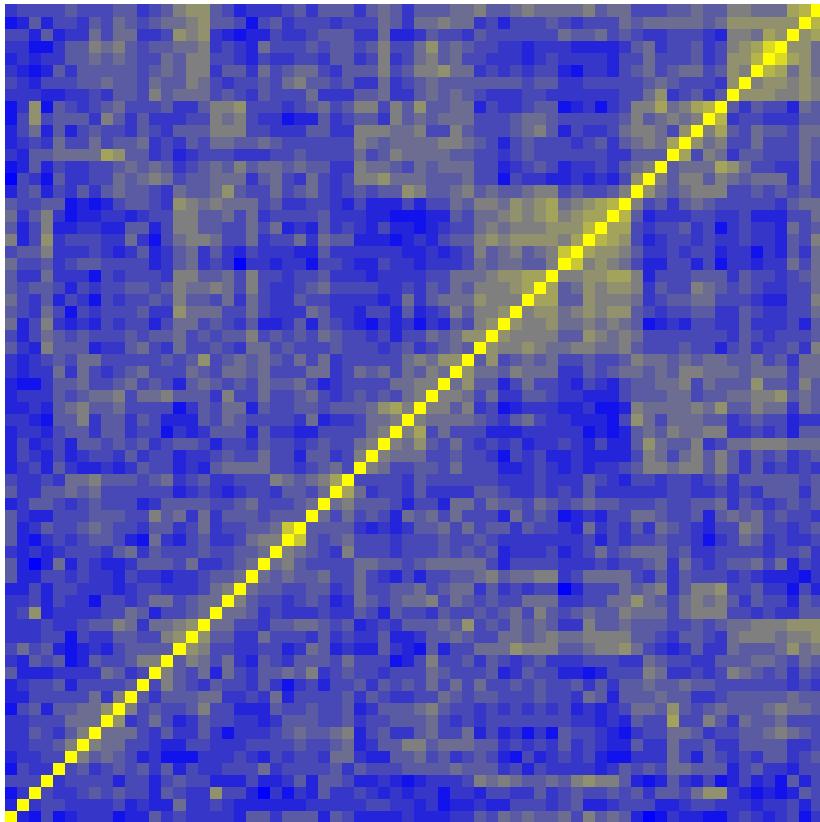
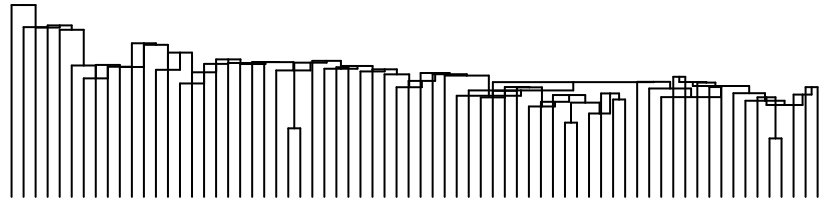
Liver enzyme levels
Lipid metabolism phn
Colorectal cancer
Sudden cardiac arrest
Hypertension phn
Dialysis related mortality
Prostate cancer
Migraine with aura
Type 1 diabetes
Migraine without aura
Cellulose disease and
infection processing
Atrial fibrillation
Lipoprotein-associated
LDL cholesterol
Economic and political
Coronary heart disease
PR
Post-traumatic stress
Mean corpuscular hct
Mean corpuscular v
Platelet counts
Hematological param
Hematological traits
PR
Ventricular conduction
Systolic blood pressure
Thyroid hormone level
Thyroid hormone level
Airflow obstruction
F-cell distribution
F-cell distribution
Alzheimer's disease
Breast size
Obsessive behavior
Obsessive behavior
Obesity related traits
triglycerides
Cholesterol total
Response to hepatitis
telomere length
Metabolic levels
Systemic lupus eryth
Femur fracture related
Attention deficit hyper
Attention deficit hyper
Hair morphology
Femur bone volume
HDL cholesterol
Primary tooth develop
type 1 diabetes auto
Femur bone volume
Inflammatory bowel
Ulcerative colitis
Chronic lymphocytic
leukemia population
iron status biomarker
Self-reported allergy
Multiple sclerosis
Cellulose disease
Protein quantitative t
Systemic lupus eryth
Bone mineral density
Bone mineral density
Height

[illegible]

Color Key



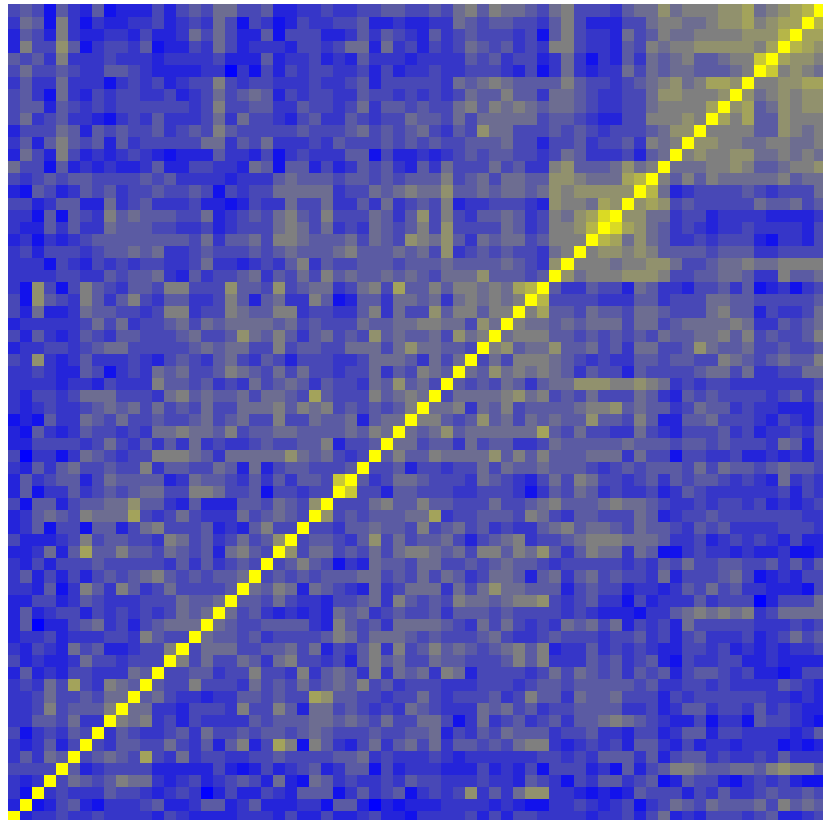
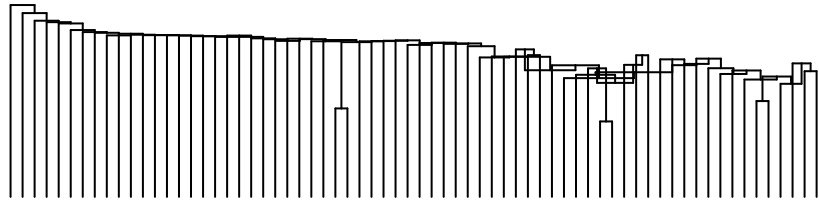
Dist : maximum ; Hclust : median



Mean_corpuscular_h...
Mean_corpuscular_v...
Red_blood_cell_traits...
PR_interval...
Ventricular_conductio...
Systolic_blood_press...
Glycated_hemoglobin...
Thyroid_hormone_lev...
Liver_enzyme_levels...
Lipid_metabolism_ph...
Colorectal_cancer...
Lipoprotein_associa...
LDL_cholesterol...
Fasting_glucose_rel...
Prostate_cancer...
Chronic_kidney_disea...
Type_1_diabetes_aut...
Type_2_diabetes...
Ulcerative_colitis...
Inflammatory_bowel...
Bone_mineral_densit...
Bone_mineral_densit...
End_stage_coagulatio...
Chronic_lymphocyti...
Iron_status_biomarke...
Self_reported_allergy...
Multiple_sclerosis...
Celiac_disease...
Protein_quantitative...
Celiac_disease_and...
Atrial_fibrillation...
Information_processin...
Alzheimers_disease...
Urate_levels...
Smoking_behavior...
Migraine_without_aur...
Migraine_with_aura...
Endometriosis...
Coronary_heart_disea...
Response_to_hepatiti...
Telomere_length...
Systemic_lupus_eryth...
Renal_function_relate...
Attention_deficit_hype...
Attention_deficit_hype...
Hair_morphology...
Posttraumatic_stress...
Breast_cancer...
Sudden_cardiac_arre...
Dialysis_related_mor...
Mean_platelet_volum...
Platelet_counts...
Hematological_param...
Hematology_traits...
F_cell_distribution...
Word_reading...
Breast_size...
Airflow_obstruction...
Triglycerides...
Cholesterol_total...
Metabolite_levels...
Adiponectin_levels...
Obesity_related_traits...
Economic_and_politi...
Systemic_lupus_eryth...
HDL_cholesterol...
Primary_tooth_develo...
Height

Height
b_first_tooth_eruption
HDL_cholesterol
Lupus_erythematosus
Mean_corpuscular_vo...
Obesity_related_traits...
Adiponectin_levels...
Metabolite_levels...
Cholesterol_total...
Triglycerides...
Airflow_obstruction...
Breast_size...
Word_reading...
F_cell_distribution...
Hematology_traits...
Hematological_param...
Platelet_counts...
Mean_platelet_volum...
Dialysis_related_mor...
Sudden_cardiac_arre...
Breast_cancer...
Posttraumatic_stress...
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Attention_deficit_hype...
Attention_deficit_hype...
Renal_function_relate...
Telomere_length...
Response_to_hepatiti...
Coronary_heart_disea...
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Migraine_with_aura...
Migraine_without_aur...
Smoking_behavior...
Urate_levels...
Disease_biomarkers...
Chronic_kidney_disea...
Protein_quantitative...
Celiac_disease_and...
Atrial_fibrillation...
Rheumatoid_arthritis...
Quantitative_trait_loci...
Multiple_sclerosis...
Self_reported_allergy...
Iron_status_biomarke...
Chronic_lymphocyti...
End_stage_coagulatio...
Bone_mineral_densit...
Bone_mineral_densit...
Ventricular_conductio...
Type_1_diabetes...
Type_2_diabetes...
Betas_autoantibodies...
Chronic_kidney_disea...
Prostate_cancer...
Interaction_with_BMI...
LDL_cholesterol...
22_cholesterol_mes...
Lipid_metabolism_ph...
Glutaryl_transferase...
Thyroid_hormone_lev...
Liver_enzyme_levels...
Systolic_blood_press...
Ventricular_conductio...
Red_blood_cell_traits...
Mean_corpuscular_hemoglobin

Dist : maximum ; Hclust : centroid



Type 1 diabetes auto
Type 1 diabetes
Ulcerative colitis
Ulcerative colitis
Ulcerative colitis
Bone mineral density
Bone mineral density
End stage coagulation
End stage coagulation
Chronic lymphocytic
Iron status biomarker
Relaxation
Multiple sclerosis
Hematology traits
Hematology traits
Mean corpuscular vol
Red blood cell traits
PR interval
PR interval
Systolic blood press
Glycated hemoglobin
Hematological param
Hematological param
Liver enzyme levels
Lipid metabolism ph
Lipid metabolism ph
Atrial fibrillation
Chronic kidney disea
Cellular disease and
Cellular disease and
Dialysis related mort
Thyroid hormone lev
Lipoprotein associat
Lipoprotein associat
Information processin
Fasting glucose relat
Airflow obstruction
Airflow obstruction
Systemic lupus eryth
Attention deficit hype
Attention deficit hype
LDL cholesterol
Cell distribution
Cell distribution
Urate levels
Breast size
Renal function relat
Renal function relat
Sudden cardiac arres
Breast cancer
Post-traumatic stress
Post-traumatic stress
Coronary heart disea
Endometriosis
Endometriosis
Word reading speed
Word reading speed
Cholesterol total
Adiponectin levels
Adiponectin levels
Economic and politic
Economic and politic
Migrate without aut
Telomere length tra
Telomere length tra
Obesity related traits
Obesity related traits
HDL cholesterol
HDL cholesterol
Height
Height

[illegible]