Color Key Dist: euclidean; Hclust: ward 0.5 **Value** Ulcerative_colitis puscular_hemoglobin /roid_hormone_levels _corpuscular_volume stolic_blood_pressure HDL_cholestero Platelet_count entricular_conduction Adiponectin_level Red blood cell trait d_hemoglobin_leve onary_heart_diseas

Celiac disease and Alzheimers_disease_ Celiac_disease F.cell_distribution Breast size Renal_function.relate Word_reading Triglycerides Cholesterol total LDL cholesterol Attention_deficit_hype Metabolite levels Adiponectin levels Smoking behavior Urate_levels Telomere_length Obesity.related traits Economic_and_politic Primary_tooth_develo Bipolar_disorder_and Lipoprotein.associate Colorectal cancer Fasting_glucose.relat Prostate cancer Liver enzyme levels Lipid_metabolism_ph Endometriosis Coronary_heart_dise Mean_platelet_volum HDL cholesterol Ventricular conduction PR_interval Glycated_hemoglobin Systolic_blood_press Mean_corpuscular_v Thyroid_hormone_lev Mean corpuscular h Red_blood_cell_traits Platelet counts Hematological_param Chronic_lymphocytic_ End.stage coagulation Type_1_diabetes_aut Type_1_diabetes

Ulcerative_colitis Inflammatory_bowel_ Bone_mineral_densit Multiple_sclerosis Systemic lupus erytl

Atrial fibrillation

Color Key Dist: euclidean; Hclust: single 0.5 Value n.related_traits_BUN combined_symptom Obesity.related_trait Adiponectin_leve Metabolite_level tabolism_phenotype.glutamyl_transferas

Systolic_blood_press Glycated_hemoglobin Mean_corpuscular_v Thyroid hormone lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological_param Alzheimers_disease_ Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type 1 diabetes Ulcerative_colitis Inflammatory bowel Celiac_disease Systemic_lupus_erytl Bone_mineral_densit Multiple_sclerosis Atrial_fibrillation Celiac disease and Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Fasting_glucose.relat Lipoprotein.associate Prostate_cancer LDL_cholesterol Endometriosis Triglycerides Cholesterol_total Coronary_heart_dise Metabolite_levels Urate_levels Adiponectin_levels Smoking behavior Obesity.related_traits Attention_deficit_hype Mean_platelet_volum HDL_cholesterol F.cell distribution Breast_size Economic_and_politic Renal function, relate Word_reading Telomere_length

Primary_tooth_develor Bipolar_disorder_and

Ventricular_conduction
PR interval

Color Key Dist: euclidean; Hclust: complete 0.5 Value Celiac_disease atory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels ad_hemoglobin_levels stolic_blood_pressure PR_interval mineral_density_hip nd.stage_coagulatior entricular_conductior HDL_cholestero .glutamyl_transferase ronary_heart_disease Endometriosis ymphocytic_leukemi tabolism_phenotype

Alzheimers_disease_ Adiponectin_levels Smoking_behavior Urate levels Economic_and_politic F.cell_distribution Breast_size Renal_function.relate Word_reading Triglycerides Cholesterol_total LDL cholesterol Attention deficit hype Metabolite_levels Telomere length Obesity.related_traits Lipoprotein.associate Colorectal_cancer Fasting_glucose.relat Prostate_cancer Endometriosis Coronary_heart_dise Liver_enzyme_levels Lipid metabolism ph Mean_platelet_volum HDL cholesterol Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_v Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl

Primary_tooth_develor Bipolar_disorder_and

Atrial_fibrillation Celiac disease and

Color Key Dist: euclidean; Hclust: average 0.5 Value Ulcerative_colitis Type_1_diabetes betes_autoantibodies itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels mineral_density_hip nd.stage_coagulatior

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F.cell_distributic Obesity.related_trai

Celiac disease and Alzheimers_disease_ Lipoprotein.associate LDL_cholesterol Economic and politic Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise Mean_platelet_volum HDL cholesterol Attention_deficit_hype Metabolite_levels Telomere_length Triglycerides Cholesterol_total Adiponectin_levels Smoking_behavior Urate levels Obesity.related_traits F.cell distribution Breast size Renal_function.relate Word_reading Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_v Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl

Primary_tooth_develo Bipolar_disorder_and

Atrial fibrillation

Color Key Dist: euclidean; Hclust: mcquitty 0.5 Value __mineral_density_hip Celiac_disease latory_bowel_disease Ulcerative_colitis entricular_conduction ar_and_schizophrenia o_first_tooth_eruption Obesity related traits Urate_levels Smoking_behavior Adiponectin_levels Cholesterol_total itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels _corpuscular_volume ad_hemoglobin_levels stolic_blood_pressure /mphocytic_leukemia betes_autoantibodies ean_platelet_volum

Celiac disease and Alzheimers_disease_ Lipoprotein.associate LDL_cholesterol Economic and politic Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise F.cell distribution Breast size Renal_function.relate Word_reading Attention_deficit_hype Metabolite_levels Telomere_length Triglycerides Cholesterol_total Adiponectin levels Smoking_behavior Urate levels Obesity.related traits Mean_platelet_volum HDL_cholesterol Primary_tooth_develo Bipolar_disorder_and Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_ve Thyroid_hormone_lev Mean_corpuscular_h Red blood cell traits Platelet_counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type 1 diabetes aut Type_1_diabetes Ulcerative_colitis Inflammatory bowel Celiac_disease Bone_mineral_densit

Multiple_sclerosis Systemic_lupus_erytl

Atrial fibrillation

Color Key Dist: euclidean; Hclust: median 0.5 1 Value Alean_platelet_volume HDL_cholesterol D_first_tooth_eruption on.related_traits_BUN Word_reading F.cell_distribution Celiac_disease Multiple_sclerosis atory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies ymphocytic_leukemia Telomere_length combined_symptoms Metabolite_levels political_preferences Breast_size mineral_density_hip Triglyceride Cholesterol_tota Obesity.related_trait Adiponectin_level Smoking_behavi

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Mean_platelet_volum Bipolar_disorder_and

Ventricular_conduction
PR interval

Color Key Dist: euclidean; Hclust: centroid 0.5 Value Obesity related_traits o_first_tooth_eruption onary_heart_disease HDL_cholesterol Cholesterol_total Adiponectin_levels Smoking_behavior Urate_levels Metabolite_levels Breast_size Word_reading Ulcerative_colitis Type_1_diabetes betes_autoantibodies LDL_cholestero onscular_hemoglob nd.stage_coagulati

PR interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Mean corpuscular vi Red_blood_cell_traits Mean_corpuscular_h Platelet_counts Hematological_param Alzheimers_disease_ Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Fasting_glucose.relat Lipoprotein.associate Endometriosis Prostate_cancer Celiac disease and Atrial_fibrillation Renal_function.relate Chronic_lymphocytic_ End.stage_coagulatio Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Multiple_sclerosis Bone_mineral_densit Systemic_lupus_erytl Attention_deficit_hype Mean_platelet_volum F.cell distribution Triglycerides Economic_and_politic Telomere_length LDL cholesterol Word_reading Breast size Metabolite_levels Urate_levels Smoking behavior Adiponectin_levels Cholesterol_total HDL cholesterol Coronary_heart_dise Primary_tooth_develo Obesity.related traits

Bipolar_disorder_and

Ventricular conduction

Dist: manhattan; Hclust: ward 0.5 **Value** _mineral_density_hip atory_bowel_disease Ulcerative_colitis

_corpuscular_volume stolic_blood_pressure ad_hemoglobin_levels

ymphocytic_leukemia itological_parameter Platelet_count Red_blood_cell_trai

Color Key

Fasting_glucose.relat Liver_enzyme_levels Colorectal_cancer Prostate_cancer Endometriosis Urate levels Atrial_fibrillation Celiac_disease_and_ Alzheimers_disease_ Lipoprotein.associate LDL cholesterol Economic_and_politic Breast size Smoking behavior Coronary heart dise Lipid_metabolism_ph Mean platelet volum HDL cholesterol Attention_deficit_hype F.cell_distribution Telomere_length Renal_function.relate Word reading Triglycerides Cholesterol total Metabolite levels Adiponectin_levels Obesity.related_traits Primary_tooth_develo Bipolar_disorder_and Ventricular_conduction PR interval Glycated_hemoglobin Systolic blood press Mean_corpuscular_ve Thyroid_hormone_lev Mean_corpuscular_h Red blood cell traits Platelet_counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type 1 diabetes aut Celiac_disease Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Bone_mineral_densit Systemic_lupus_erytl Multiple_sclerosis

Color Key Dist: manhattan; Hclust: single 0.5 Value HDL_cholesterol Word_reading on.related_traits_BUN __corpuscular_volume roid_hormone_levels ad_hemoglobin_levels stolic_blood_pressure PR_interval /mphocytic_leukemia entricular_conduction_disease_biomarkers Urate_levels combined_symptor ean_platelet_volum Platelet_count Red_blood_cell_trait

Colorectal_cancer Lipoprotein.associate Lipid_metabolism_ph LDL cholesterol Prostate_cancer Endometriosis Triglycerides Cholesterol total Atrial fibrillation Celiac_disease_and_ Economic_and_politic Breast size Smoking behavior Obesity.related_traits Metabolite levels Adiponectin_levels Urate_levels Alzheimers_disease_ Ventricular_conduction PR_interval Systolic blood press Glycated_hemoglobin Thyroid_hormone_lev Mean_corpuscular_v Mean_corpuscular_h Red blood cell traits Hematological_param Coronary_heart_dise Mean platelet volum Attention_deficit_hype F.cell distribution Telomere_length Renal_function.relate Word reading HDL cholesterol Primary_tooth_develo Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type 1 diabetes Ulcerative_colitis Inflammatory_bowel_ Multiple sclerosis Bone_mineral_densit Systemic_lupus_erytl Celiac disease

Bipolar_disorder_and

Fasting_glucose.relat Liver_enzyme_levels

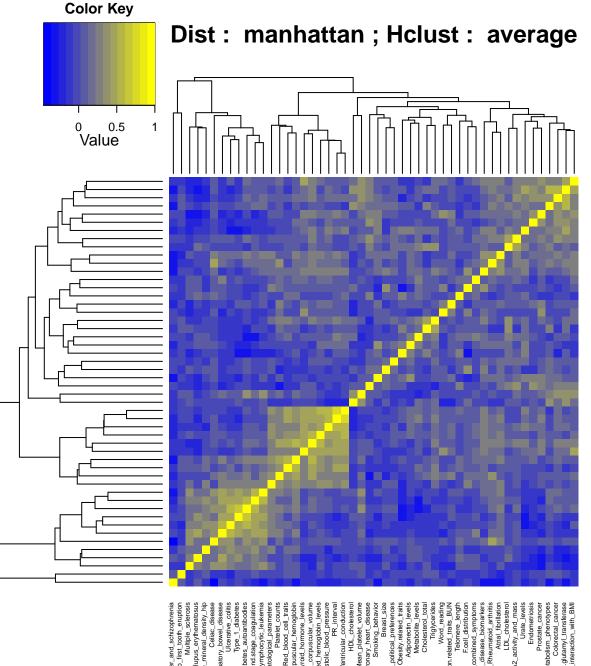
Color Key Dist: manhattan; Hclust: complete 0.5 Value Liver_enzyme_levels Prostate_cancer Cellac_disease atory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies stolic_blood_pressure itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels Cholesterol_total Triglycerides mineral_density_hip Adiponectin_levels Metabolite_levels Word_reading nd.stage_coagulatior /mphocytic_leukemi entricular_conductio Obesity.related_trai

Smoking_behavior Atrial fibrillation Celiac_disease_and_ Alzheimers_disease_ Lipoprotein.associate LDL_cholesterol Economic_and_politic Breast size Coronary heart dise Lipid_metabolism_ph Mean_platelet_volum HDL_cholesterol Attention_deficit_hype F.cell_distribution Telomere_length Triglycerides Cholesterol total Renal_function.relate Word reading Metabolite levels Adiponectin_levels Obesity.related traits Ventricular conduction PR interval Glycated_hemoglobin Systolic blood press Mean_corpuscular_ve Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Systemic_lupus_erytl Multiple_sclerosis Primary tooth develo Bipolar_disorder_and

Fasting_glucose.relat

Colorectal_cancer

Endometriosis Urate levels



Endometriosis Urate_levels Lipoprotein.associate LDL_cholesterol Atrial fibrillation Celiac_disease_and_ Alzheimers_disease_ Attention_deficit_hype F.cell distribution Telomere length Renal_function.relate Word_reading Triglycerides Cholesterol_total Metabolite_levels Adiponectin_levels Obesity.related_traits Economic and politic Breast_size Smoking_behavior Coronary heart dise Mean_platelet_volum HDL cholesterol Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_v Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Systemic_lupus_erytl Multiple_sclerosis Primary tooth develo

Bipolar_disorder_and

Fasting_glucose.relat Liver_enzyme_levels_ Colorectal_cancer Lipid_metabolism_ph Prostate_cancer

Color Key Dist: manhattan; Hclust: mcquitty 0.5 Value Endometriosis Urate_levels Lipoprotein.associate Bipolar_disorder_and Celiac_disease atory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels mineral_density_hip nd.stage_coagulatior /mphocytic_leukemi entricular_conductio n.related_traits_BU Smoking_behavi onary_heart_disea glutamyl_transfera Word_readi

LDL_cholesterol Atrial fibrillation Celiac_disease_and_ Alzheimers_disease_ Triglycerides Cholesterol total Metabolite levels Adiponectin_levels Obesity.related_traits Attention_deficit_hype F.cell distribution Telomere_length Economic_and_politic Breast size Smoking_behavior Renal_function.relate Word_reading Fasting_glucose.relat Liver enzyme levels Colorectal_cancer Lipid_metabolism_ph Mean platelet volum HDL cholesterol Coronary_heart_dise Ventricular conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_v Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Systemic_lupus_erytl Multiple_sclerosis

Primary tooth develo

Prostate_cancer

Color Key Dist: manhattan; Hclust: median 0.5 Value Celiac_disease lupus_erythematosus _mineral_density_hip Multiple_sclerosis Telomere_length Metabolite_levels Triglycerides LDL_cholesterol Prostate_cancer Endometriosis /mphocytic_leukemia HDL_cholestero Cholesterol_tota Obesity.related_traits

onary_heart_diseas Urate_level

tabolism_phenotype activity_and_mas nteraction_with_BI

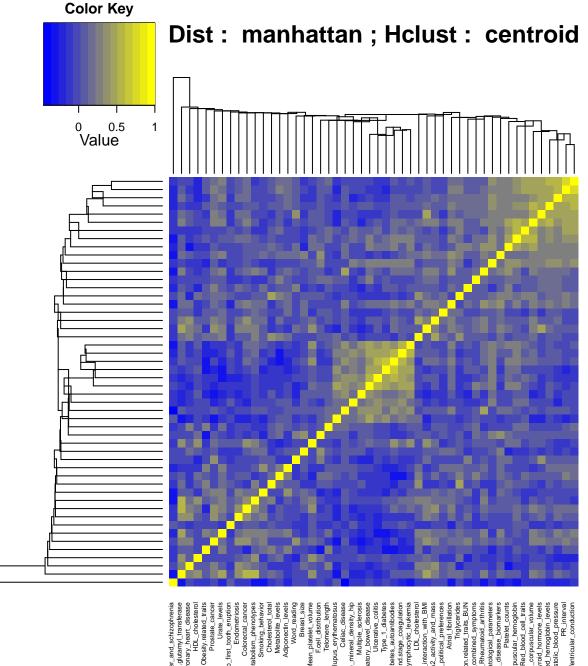
glutamyl_transfera

F.cell_distribution

PR interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Mean corpuscular vi Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological_param Atrial fibrillation Celiac_disease_and_ Alzheimers_disease_ Attention_deficit_hype Renal function.relate Word_reading F.cell_distribution Breast size Economic_and_politic Smoking_behavior Adiponectin_levels Obesity.related traits Cholesterol total LDL_cholesterol Triglycerides Metabolite levels Telomere_length Fasting_glucose.relat Liver_enzyme_levels Colorectal_cancer Lipoprotein.associate Lipid metabolism ph Mean_platelet_volum Endometriosis Prostate_cancer Urate_levels Coronary_heart_dise HDL cholesterol Primary_tooth_develo Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type 1 diabetes Ulcerative_colitis Inflammatory_bowel_ Multiple sclerosis Bone_mineral_densit Systemic_lupus_erytl

Celiac disease Bipolar_disorder_and

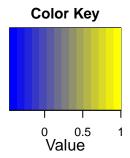
Ventricular conduction



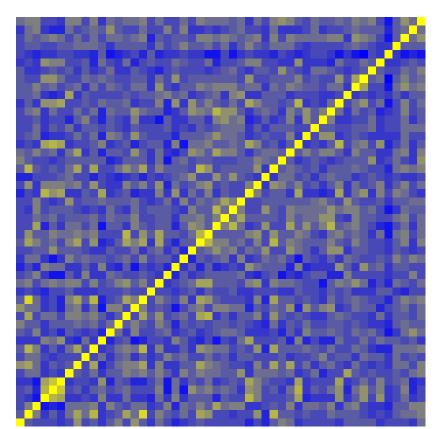
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Liver_enzyme_levels_ Bipolar disorder and

Ventricular_conduction
PR interval



Dist: binary; Hclust: ward



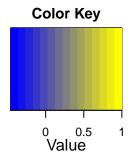
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Alzheimers_disease_ Adiponectin_levels Atrial_fibrillation Attention_deficit_hype

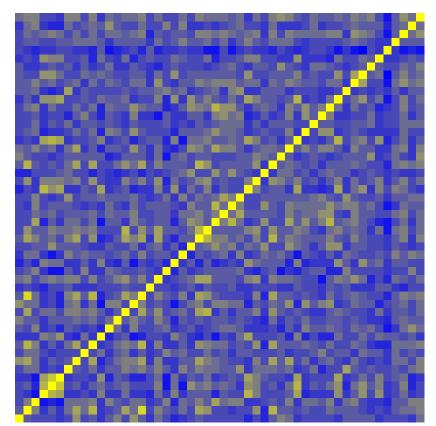
Word_reading ntricular_conduction Urate_levels Ulcerative_colitis stes autoantibodies

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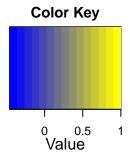


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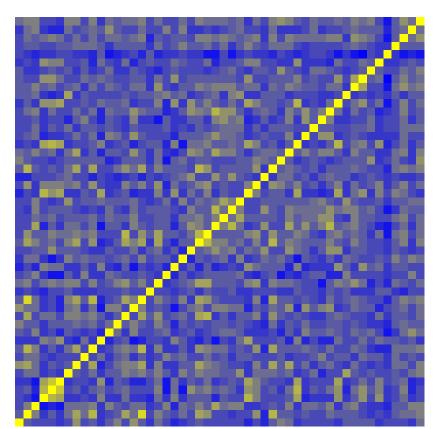
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Atrial_fibrillation Attention_deficit_hype Bipolar_disorder_and Bone mineral densit Breast size Celiac disease Celiac_disease_and_ Cholesterol total Chronic_lymphocytic_ Colorectal_cancer Coronary_heart_dise Economic and politic Endometriosis End.stage_coagulatio Fasting_glucose.relat F.cell_distribution Glycated_hemoglobin HDL_cholesterol Hematological_param Inflammatory_bowel_ LDL cholesterol Lipid_metabolism_ph Lipoprotein, associate Liver enzyme levels Mean_corpuscular_h Mean_corpuscular_v Mean_platelet_volum Metabolite levels Multiple sclerosis Obesity.related traits Platelet_counts Primary_tooth_develo PR_interval Prostate_cancer Red blood cell traits Renal function.relate Smoking_behavior Systemic_lupus_erytl Systolic_blood_press Telomere_length Thyroid hormone lev Triglycerides Type_1_diabetes Type 1 diabetes aut Ulcerative_colitis Urate levels Ventricular conduction Word_reading

Alzheimers_disease_ Adiponectin_levels



Dist: binary; Hclust: complete



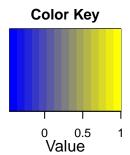
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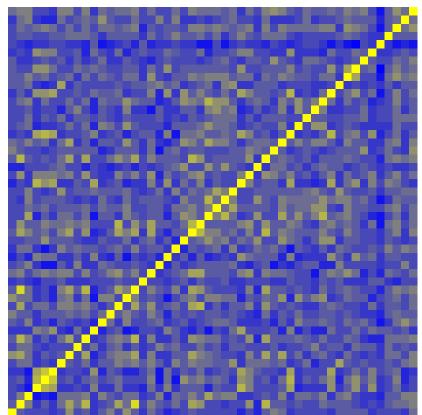
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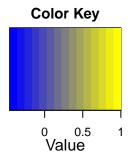
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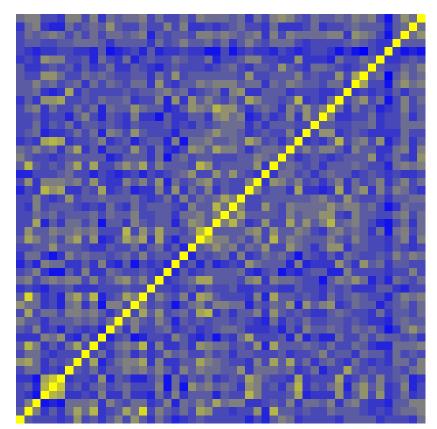
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Redict_cancer
Redict_cancer
Redict_cancer
Redict_cancer
Corpuscular_volume
LD_critosesterol
LD_critosesterol
Quarmy_Lransferase
2_activity_and_mass
Intogracu_parameters
HDL_critosesterol
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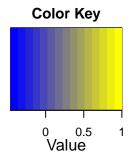
Dist: binary; Hclust: mcquitty



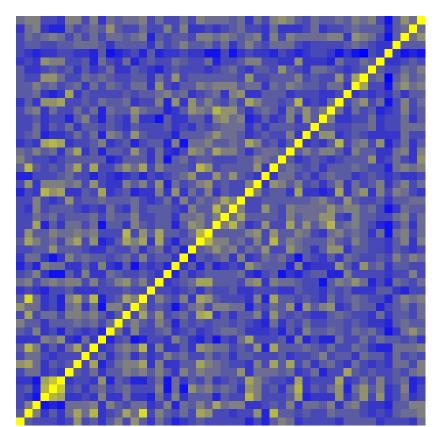
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Alzheimers_disease_ Adiponectin_levels Atrial_fibrillation

F.cell_distribution



Dist: binary; Hclust: median

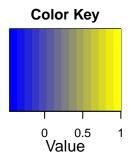


F.cell_distribution

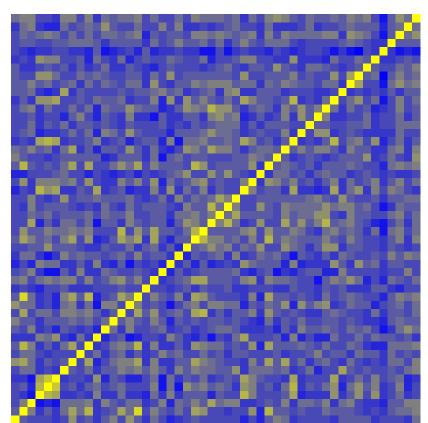
Bone mineral densit Breast size Celiac disease Celiac_disease_and_ Cholesterol total Chronic_lymphocytic_ Colorectal_cancer Coronary_heart_dise Economic and politic Endometriosis End.stage_coagulatio Fasting_glucose.relat F.cell distribution Glycated_hemoglobin HDL_cholesterol Hematological_param Inflammatory_bowel_ LDL cholesterol Lipid_metabolism_ph Lipoprotein, associate Liver enzyme levels Mean_corpuscular_h Mean_corpuscular_v Mean_platelet_volum Metabolite levels Multiple sclerosis Obesity.related traits Platelet_counts Primary_tooth_develo PR_interval Prostate_cancer Red blood cell traits Renal function.relate Smoking_behavior Systemic_lupus_erytl Systolic_blood_press Telomere_length Thyroid hormone lev Triglycerides Type_1_diabetes Type 1 diabetes aut Ulcerative_colitis Urate levels Ventricular conduction Word reading

Alzheimers_disease_ Adiponectin_levels Atrial_fibrillation Attention_deficit_hype Bipolar_disorder_and

Word_reading tricular_conduction Urate_levels Ulcerative_colitis ar_ara_scritcopritenta combined_symptoms Atrial_fibrillation Adiponectin_levels disease_biomarkers



Dist: binary; Hclust: centroid



Attention_deficit_hype Bipolar_disorder_and Bone mineral densit Breast size Celiac disease Celiac_disease_and_ Cholesterol total Chronic_lymphocytic_ Colorectal_cancer Coronary_heart_dise Economic and politic Endometriosis End.stage_coagulatio Fasting_glucose.relat F.cell_distribution Glycated_hemoglobin HDL_cholesterol Hematological_param Inflammatory_bowel_ LDL cholesterol Lipid_metabolism_ph Lipoprotein, associate Liver enzyme levels Mean_corpuscular_h Mean_corpuscular_v Mean_platelet_volum Metabolite levels Multiple sclerosis Obesity.related traits Platelet_counts Primary_tooth_develo PR_interval Prostate_cancer Red blood cell traits Renal function.relate Smoking_behavior Systemic_lupus_erytl Systolic_blood_press Telomere_length Thyroid hormone lev Triglycerides Type_1_diabetes Type 1 diabetes aut Ulcerative_colitis Urate levels Ventricular conduction Word reading

Alzheimers_disease_ Adiponectin levels Atrial_fibrillation

F.cell_distribution

Color Key Dist: minkowski; Hclust: ward 0.5 **Value** Ulcerative_colitis puscular_hemoglobin /roid_hormone_levels _corpuscular_volume stolic_blood_pressure Platelet_counts HDL_cholestero entricular_conduction Adiponectin_level

Red blood cell trait

d_hemoglobin_leve

onary_heart_diseas

Alzheimers_disease_ Celiac_disease F.cell_distribution Breast size Renal_function.relate Word_reading Triglycerides Cholesterol total LDL cholesterol Attention_deficit_hype Metabolite_levels Adiponectin levels Smoking behavior Urate_levels Telomere_length Obesity.related traits Economic_and_politic Primary_tooth_develo Bipolar_disorder_and Lipoprotein.associate Colorectal cancer Fasting_glucose.relat Prostate cancer Liver enzyme levels Lipid_metabolism_ph Endometriosis Coronary_heart_dise Mean_platelet_volum HDL cholesterol Ventricular conduction PR_interval Glycated_hemoglobin Systolic_blood_press Mean_corpuscular_v Thyroid_hormone_lev Mean corpuscular h Red_blood_cell_traits Platelet counts Hematological_param Chronic_lymphocytic_ End.stage coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis

Inflammatory_bowel_ Bone_mineral_densit Multiple sclerosis Systemic lupus erytl

Atrial fibrillation Celiac disease and

Color Key Dist: minkowski; Hclust: single 0.5 **Value** n.related_traits_BUN combined_symptom Obesity.related_trait Metabolite_level

Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological_param Alzheimers_disease_ Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type 1 diabetes Ulcerative_colitis Inflammatory_bowel_ Celiac_disease Systemic_lupus_erytl Bone_mineral_densit Multiple_sclerosis Atrial_fibrillation Celiac disease and Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Fasting_glucose.relat Lipoprotein.associate Prostate_cancer LDL_cholesterol Endometriosis Triglycerides Cholesterol_total Coronary_heart_dise Metabolite_levels Urate_levels Adiponectin_levels Smoking behavior Obesity.related_traits Attention_deficit_hype Mean_platelet_volum HDL_cholesterol F.cell distribution Breast_size Economic_and_politic Renal function, relate Word_reading Telomere_length Primary_tooth_develo

Bipolar_disorder_and

Ventricular_conduction
PR_interval
Systolic_blood_press
Glycated_hemoglobin
Mean_corpuscular_ve
Thyroid hormone lev

Color Key Dist: minkowski; Hclust: complete 0.5 Value ratory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels mineral_density_hip nd.stage_coagulatior entricular_conductior HDL_cholestero .glutamyl_transferase ronary_heart_disease Endometriosis tabolism_phenotype

Smoking_behavior Urate levels Economic_and_politic F.cell_distribution Breast_size Renal_function.relate Word_reading Triglycerides Cholesterol_total LDL cholesterol Attention deficit hype Metabolite_levels Telomere_length Obesity.related_traits Lipoprotein.associate Colorectal_cancer Fasting_glucose.relat Prostate_cancer Endometriosis Coronary_heart_dise Liver_enzyme_levels Lipid metabolism ph Mean_platelet_volum HDL cholesterol Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_v Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl

Primary_tooth_develor Bipolar_disorder_and

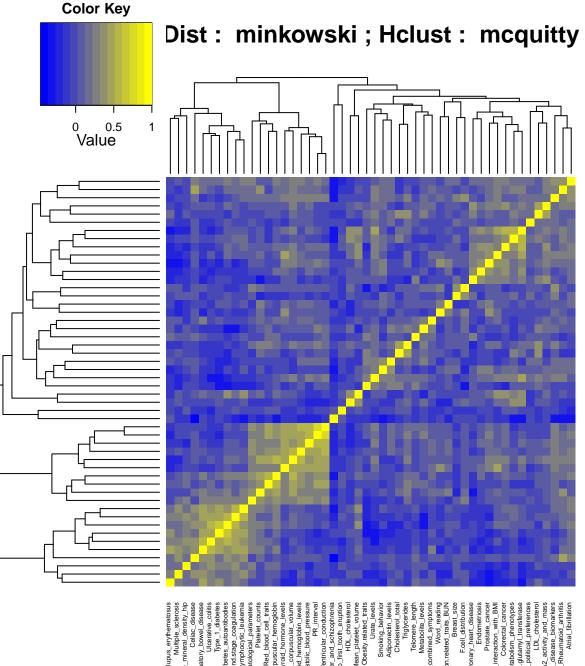
Atrial_fibrillation Celiac_disease_and_ Alzheimers_disease_ Adiponectin_levels

Color Key Dist: minkowski; Hclust: average 0.5 Value Ulcerative_colitis Type_1_diabetes betes_autoantibodies itological_parameters Platelet_counts Red_blood_cell_traits puscular_hemoglobin rroid_hormone_levels nd.stage_coagulatior entricular_conductic Word_readir F.cell_distributio Obesity.related_trait

Alzheimers_disease_ Lipoprotein.associate LDL_cholesterol Economic and politic Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise Mean_platelet_volum HDL cholesterol Attention_deficit_hype Metabolite levels Telomere_length Triglycerides Cholesterol_total Adiponectin_levels Smoking_behavior Urate levels Obesity.related_traits F.cell distribution Breast size Renal_function.relate Word_reading Ventricular_conduction PR_interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_ve Thyroid_hormone_lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl

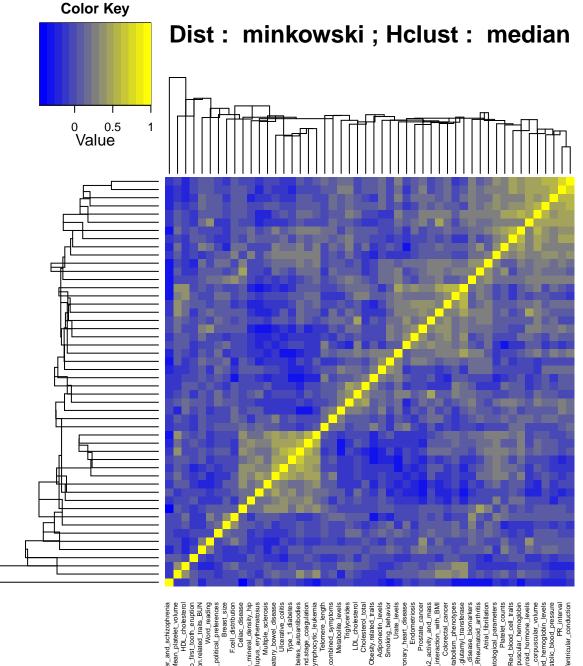
Primary_tooth_develor Bipolar_disorder_and

Atrial_fibrillation Celiac disease and



Atrial fibrillation Celiac disease and Alzheimers_disease_ Lipoprotein.associate LDL_cholesterol Economic and politic Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise F.cell distribution Breast size Renal_function.relate Word_reading Attention_deficit_hype Metabolite_levels Telomere_length Triglycerides Cholesterol_total Adiponectin levels Smoking_behavior Urate levels Obesity.related traits Mean_platelet_volum HDL_cholesterol Primary_tooth_develo Bipolar_disorder_and Ventricular_conduction PR interval Systolic_blood_press Glycated hemoglobin Mean_corpuscular_ve Thyroid_hormone_lev Mean_corpuscular_h Red blood cell traits Platelet_counts Hematological param Chronic_lymphocytic_ End.stage_coagulation Type 1 diabetes aut Type_1_diabetes Ulcerative_colitis Inflammatory bowel Celiac_disease

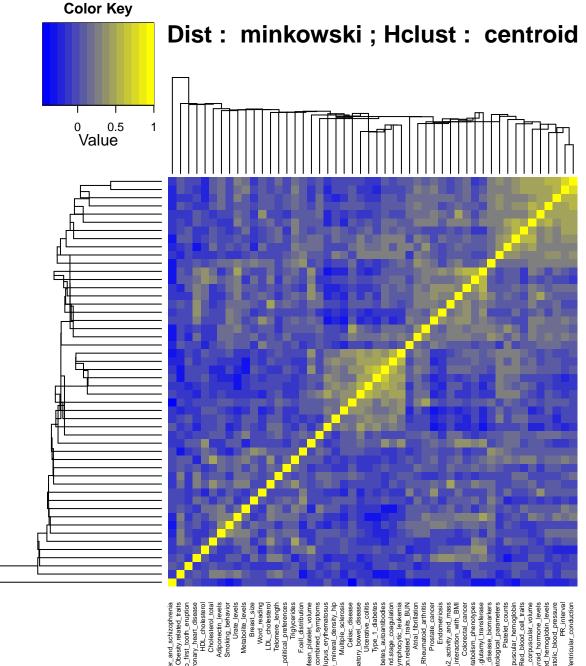
Bone_mineral_densit Multiple_sclerosis Systemic_lupus_erytl



Systolic_blood_press Glycated_hemoglobin Mean_corpuscular_v Thyroid hormone lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological param Atrial fibrillation Celiac_disease_and_ Alzheimers_disease_ Liver enzyme levels Lipid metabolism ph Colorectal_cancer Fasting_glucose.relat Lipoprotein.associate Prostate_cancer Endometriosis Coronary_heart_dise Urate_levels Smoking behavior Adiponectin_levels Obesity.related traits Cholesterol_total LDL_cholesterol Triglycerides Metabolite_levels Attention_deficit_hype Telomere length Chronic lymphocytic End.stage_coagulatio Type_1_diabetes_aut Type_1_diabetes Ulcerative_colitis Inflammatory_bowel_ Multiple sclerosis Systemic_lupus_erytl Bone_mineral_densit Celiac_disease F.cell distribution Breast size Economic_and_politic Word_reading Renal function, relate Primary_tooth_develo HDL cholesterol

Mean_platelet_volum Bipolar_disorder_and

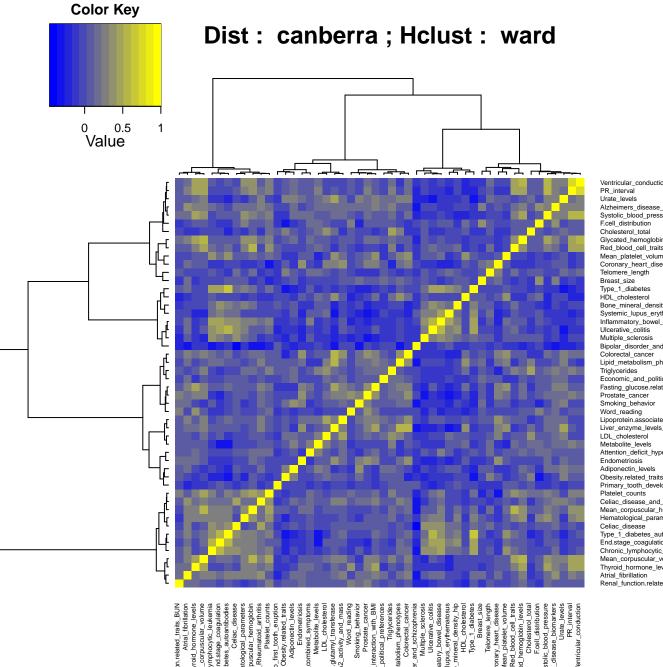
Ventricular_conduction
PR interval



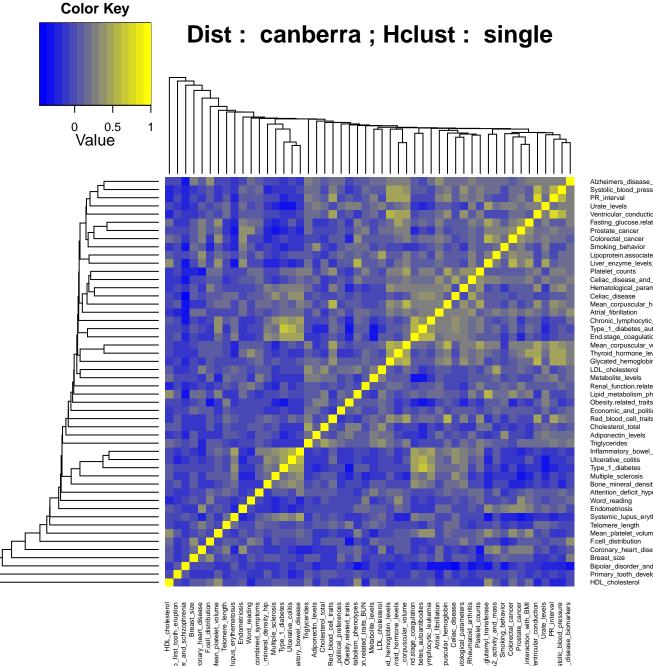
PR interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Mean corpuscular vi Red_blood_cell_traits Mean_corpuscular_h Platelet_counts Hematological_param Alzheimers_disease_ Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Fasting_glucose.relat Lipoprotein.associate Endometriosis Prostate_cancer Celiac disease and Atrial_fibrillation Renal_function.relate Chronic_lymphocytic_ End.stage_coagulatio Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Celiac_disease Multiple_sclerosis Bone_mineral_densit Systemic_lupus_erytl Attention_deficit_hype Mean_platelet_volum F.cell distribution Triglycerides Economic_and_politic Telomere_length LDL cholesterol Word_reading Breast size Metabolite_levels Urate_levels Smoking behavior Adiponectin_levels Cholesterol_total HDL cholesterol Coronary_heart_dise Primary_tooth_develo

Obesity.related_traits Bipolar_disorder_and

Ventricular conduction



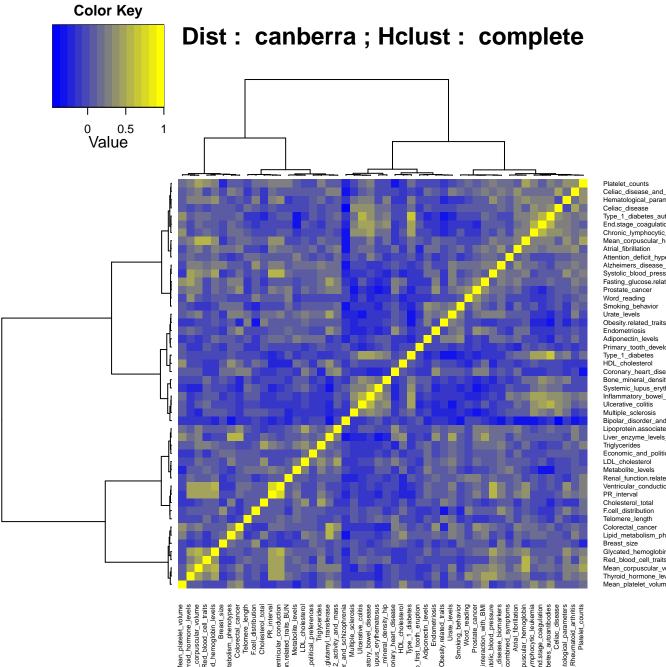
Cholesterol_total Glycated_hemoglobin Red_blood_cell_traits Mean_platelet_volum Coronary_heart_dise Telomere length Breast size Type_1_diabetes HDL cholesterol Bone_mineral_densit Systemic lupus erytl Inflammatory_bowel_ Ulcerative colitis Multiple_sclerosis Bipolar_disorder_and Colorectal_cancer Lipid metabolism ph Triglycerides Economic and politic Fasting glucose.relat Prostate_cancer Smoking_behavior Word_reading Lipoprotein.associate Liver_enzyme_levels LDL cholesterol Metabolite_levels Attention deficit hype Endometriosis Adiponectin_levels Obesity.related_traits Primary tooth develo Platelet_counts Celiac disease and Mean_corpuscular_h Hematological_param Celiac disease Type_1_diabetes_aut End.stage_coagulation Chronic_lymphocytic_ Mean_corpuscular_ve



PR_interval Urate_levels Ventricular_conduction Fasting glucose.relat Prostate_cancer Colorectal_cancer Smoking_behavior Lipoprotein.associate Liver_enzyme_levels Platelet_counts Celiac_disease_and_ Hematological_param Celiac disease Mean_corpuscular_h Atrial_fibrillation Chronic_lymphocytic_ Type_1_diabetes_aut End.stage_coagulation Mean_corpuscular_ve Thyroid_hormone_lev Glycated hemoglobin LDL_cholesterol Metabolite_levels Renal function.relate Lipid_metabolism_ph Obesity.related_traits Economic_and_politic Red_blood_cell_traits Cholesterol total Adiponectin levels Triglycerides Inflammatory_bowel_ Ulcerative_colitis Type_1_diabetes Multiple_sclerosis Bone mineral densit Attention_deficit_hype Word_reading Endometriosis Systemic_lupus_erytl Telomere length Mean_platelet_volum F.cell_distribution Coronary_heart_dise Breast_size Bipolar_disorder_and Primary_tooth_develo

HDL cholesterol

Alzheimers disease



Atrial_fibrillation Attention_deficit_hype Alzheimers_disease_ Systolic_blood_press Fasting_glucose.relat Prostate cancer Word reading Smoking_behavior Urate_levels Obesity.related_traits Endometriosis Adiponectin_levels Primary_tooth_develo Type_1_diabetes HDL cholesterol Coronary_heart_dise Bone mineral densit Systemic lupus erytl Inflammatory_bowel_ Ulcerative_colitis Multiple sclerosis Bipolar_disorder_and Lipoprotein.associate Liver enzyme levels Triglycerides Economic and politic LDL_cholesterol Metabolite_levels Renal function.relate Ventricular conduction PR_interval Cholesterol total F.cell_distribution Telomere_length Colorectal cancer Lipid_metabolism_ph Breast size Glycated hemoglobin Red_blood_cell_traits Mean_corpuscular_ve Thyroid_hormone_lev Mean platelet volum

Dist: canberra; Hclust: average 0.5 **Value**

nd.stage_coagulation betes_autoantibodies Celiac_disease atological_parameters Atrial_fibrillation

onary_heart_disea

related_traits_BU Metabolite_leve puscular_volun

Color Key

Lipoprotein.associate Liver enzyme levels Smoking_behavior Word_reading Glycated_hemoglobin Red_blood_cell_traits Colorectal cancer Lipid metabolism ph Triglycerides Economic and politic Attention deficit hype Endometriosis Adiponectin_levels Obesity.related_traits Primary_tooth_develo Ventricular_conduction PR_interval Urate_levels Mean corpuscular v Thyroid_hormone_lev F.cell distribution Cholesterol_total LDL_cholesterol Metabolite levels Renal_function.relate Platelet_counts Celiac disease and Mean corpuscular h Atrial_fibrillation Hematological param Celiac_disease Type_1_diabetes_aut End.stage_coagulation Chronic lymphocytic Mean_platelet_volum Coronary_heart_dise Inflammatory_bowel_ Ulcerative_colitis Multiple sclerosis Type_1_diabetes Bone_mineral_densit Systemic_lupus_erytl Telomere_length Breast_size

HDL_cholesterol Bipolar_disorder_and

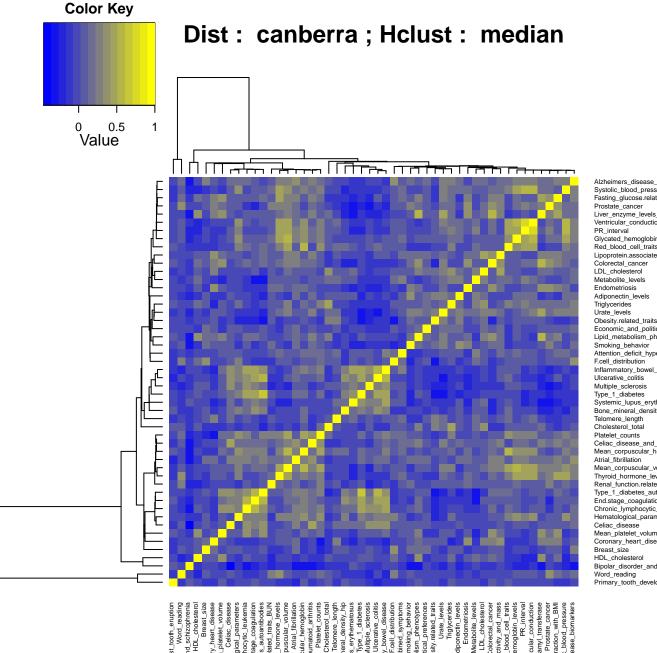
Alzheimers_disease_ Systolic_blood_press Fasting_glucose.relat Prostate_cancer

Color Key Dist: canberra; Hclust: mcquitty 0.5 **Value** entricular_conductio

Mean_corpuscular_v Thyroid hormone lev Mean_platelet_volum Type_1_diabetes_aut End.stage_coagulation Chronic_lymphocytic_ Hematological param Celiac_disease Coronary_heart_dise Breast size HDL cholesterol Bipolar_disorder_and Ventricular_conduction PR interval Urate levels Obesity.related_traits Cholesterol_total Inflammatory_bowel_ Ulcerative colitis Multiple_sclerosis Type_1_diabetes F.cell distribution Bone_mineral_densit Systemic_lupus_erytl Telomere_length Alzheimers_disease_ Systolic_blood_press Fasting glucose.relat Prostate_cancer Lipoprotein.associate Liver_enzyme_levels Smoking_behavior Word reading Colorectal cancer Lipid_metabolism_ph Triglycerides Economic_and_politic Glycated_hemoglobin Red blood cell traits LDL_cholesterol Metabolite_levels Renal function, relate Attention_deficit_hype Endometriosis

Adiponectin_levels Primary_tooth_develo

Platelet_counts Celiac_disease_and_ Mean_corpuscular_h Atrial fibrillation



Systolic_blood_press Fasting_glucose.relat Prostate_cancer Liver_enzyme_levels Ventricular conduction PR_interval Glycated_hemoglobin Red_blood_cell_traits Lipoprotein.associate Colorectal cancer LDL_cholesterol Metabolite levels Endometriosis Adiponectin levels Triglycerides Urate_levels Obesity.related_traits Economic_and_politic Lipid_metabolism_ph Smoking_behavior Attention_deficit_hype F.cell distribution Inflammatory_bowel_ Ulcerative colitis Multiple sclerosis Type_1_diabetes Systemic_lupus_erytl Bone mineral densit Telomere_length Cholesterol total Platelet counts Celiac_disease_and_ Mean corpuscular h Atrial_fibrillation Mean_corpuscular_ve Thyroid_hormone_lev Renal function.relate Type_1_diabetes_aut End.stage_coagulation Chronic_lymphocytic_ Hematological_param Celiac disease Mean_platelet_volum Coronary_heart_dise

Color Key Dist: canberra; Hclust: centroid 0.5 **Value** Iupus_erythematosus __mineral_density_hip _Type_1_diabetes ronary_heart_disease Aean_platelet_volume nd.stage_coagulation betes_autoantibodies Atrial_fibrillation Celiac_disease atological_parameters puscular_hemoglobin Cholesterol_tota and_schizophrenia Ulcerative_colitis atory_bowel_disease combined_symptoms /mphocytic_leukemia Rheumatoid_arthriti Platelet_count tabolism_phenotype

Fasting_glucose.relat Prostate_cancer Liver_enzyme_levels Ventricular conduction PR_interval Glycated_hemoglobin Mean_corpuscular_v Thyroid hormone lev F.cell distribution Lipid_metabolism_ph Smoking_behavior Economic and politic Word reading Lipoprotein.associate Colorectal cancer LDL cholesterol Metabolite levels Renal_function.relate Endometriosis Triglycerides Urate levels Obesity.related_traits Adiponectin_levels Telomere length Platelet_counts Celiac_disease_and_ Mean_corpuscular_h Hematological_param Celiac disease Atrial fibrillation Type_1_diabetes_aut End.stage_coagulation Chronic_lymphocytic_ Attention_deficit_hype Inflammatory_bowel_ Ulcerative colitis Multiple_sclerosis Red blood cell traits Bipolar_disorder_and Breast size HDL cholesterol Cholesterol_total Mean_platelet_volum Coronary_heart_dise Type_1_diabetes Bone_mineral_densit Systemic_lupus_erytl

Primary_tooth_develo

Alzheimers_disease_ Systolic_blood_press

Dist: maximum; Hclust: ward 0.5 **Value** betes_autoantibodies rroid_hormone_levels

atological_parameter Platelet_count

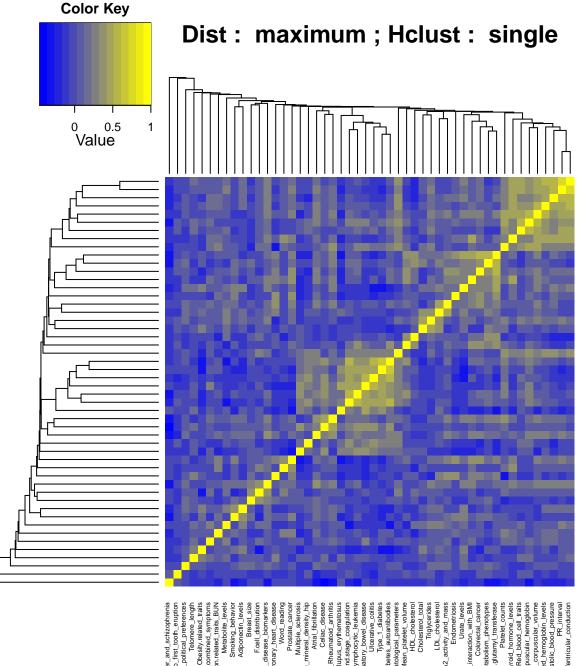
stolic_blood_pressur

Color Key

Economic_and_politic Triglycerides Cholesterol_total Attention deficit hype Metabolite_levels Telomere_length Obesity.related_traits Adiponectin_levels Smoking_behavior Urate_levels Alzheimers_disease_ Atrial fibrillation Celiac disease and Celiac_disease F.cell_distribution Breast size Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Mean_platelet_volum HDL cholesterol Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise Renal_function.relate Word_reading Primary_tooth_develo Bipolar disorder and Mean_corpuscular_v Mean_corpuscular_h Red blood cell traits Platelet_counts Hematological_param Ventricular conduction PR interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Type_1_diabetes_aut Type 1 diabetes Inflammatory_bowel_ Ulcerative_colitis Chronic lymphocytic End.stage_coagulation

Bone_mineral_densit Multiple sclerosis Systemic_lupus_erytl

Lipoprotein.associate LDL cholesterol



Systolic_blood_press Glycated_hemoglobin Mean_corpuscular_v Mean corpuscular h Red_blood_cell_traits Thyroid_hormone_lev Platelet_counts Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Fasting_glucose.relat Urate levels Endometriosis Lipoprotein.associate LDL_cholesterol Triglycerides Cholesterol_total HDL_cholesterol Mean_platelet_volum Hematological_param Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory bowel Chronic_lymphocytic_ End.stage_coagulation Systemic_lupus_erytl Celiac_disease_and_ Celiac_disease Atrial fibrillation Bone_mineral_densit Multiple sclerosis Prostate_cancer Word_reading Coronary_heart_dise Alzheimers disease F.cell_distribution Breast_size Adiponectin_levels Smoking_behavior Metabolite levels Renal_function.relate Attention_deficit_hype Obesity, related traits Telomere_length Economic_and_politic

Primary_tooth_develor Bipolar_disorder_and

Ventricular_conduction
PR interval

Color Key Dist: maximum; Hclust: complete 0.5 Value _Rheumatoid_arthritis Atrial_fibrillation _disease_biomarkers Metabolite_levels Colorectal_cancer Prostate_cancer Urate_levels Smoking_behavior Adiponectin_levels Celiac_disease combined_symptoms Cholesterol_total Triglycerides glutamyl_transferas onary_heart_diseas Endometriosi nteraction_with_BI political_preference

Mean_corpuscular_ve Mean_corpuscular_h Red_blood_cell_traits Platelet_counts Hematological_param Ventricular conduction PR_interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Chronic_lymphocytic_ End.stage_coagulatio Type_1_diabetes_aut Type_1_diabetes Inflammatory bowel Ulcerative_colitis Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl Lipoprotein.associate LDL_cholesterol Economic_and_politic Telomere length Obesity.related_traits Renal function, relate Word reading Triglycerides Cholesterol total Attention deficit hype Metabolite_levels Alzheimers disease Atrial fibrillation Celiac_disease_and_ Celiac disease Adiponectin_levels Smoking_behavior Urate levels Fasting glucose.relat Prostate_cancer Colorectal cancer Endometriosis Coronary_heart_dise Liver enzyme levels Lipid_metabolism_ph Mean_platelet_volum HDL cholesterol F.cell_distribution

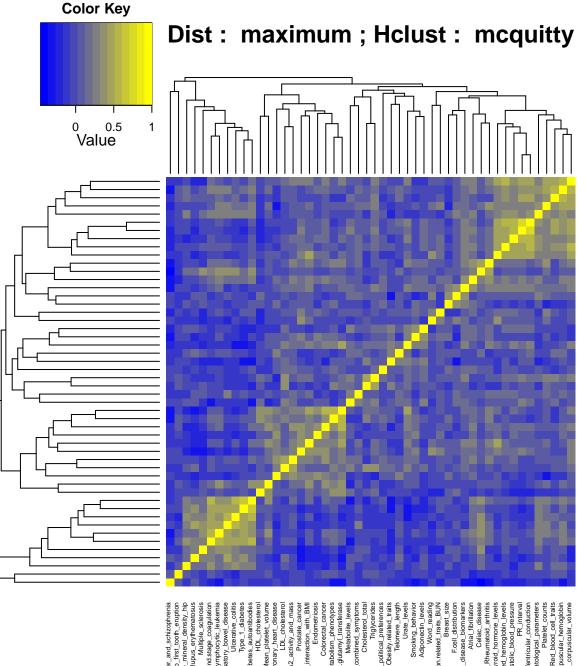
Breast_size Primary_tooth_develor Bipolar_disorder_and

Dist: maximum; Hclust: average 0.5 1 Value nd.stage_coagulation ymphocytic_leukemia latory_bowel_disease Ulcerative_colitis Type_1_diabetes betes_autoantibodies Obesity.related_traits Telomere_length Smoking_behavior Prostate_cancer_interaction_with_BMI Urate_levels F.cell_distribution_disease_biomarkers Word_reading ean_platelet_volume LDL_cholestero HDL_cholesterd activity_and_mas

Color Key

Ventricular conduction PR interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Mean corpuscular vi Mean_corpuscular_h Red_blood_cell_traits Platelet_counts Hematological_param Triglycerides Cholesterol_total Attention_deficit_hype Metabolite levels Renal function.relate Word_reading Alzheimers_disease_ F.cell_distribution Breast size Economic_and_politic Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Urate_levels Fasting_glucose.relat Prostate cancer Endometriosis Coronary_heart_dise Lipoprotein.associate LDL_cholesterol Mean_platelet_volum HDL cholesterol Adiponectin_levels Smoking_behavior Telomere_length Obesity.related_traits Type_1_diabetes_aut Type 1 diabetes Ulcerative_colitis Inflammatory_bowel_ Chronic_lymphocytic_ End.stage_coagulation Bone mineral densit Multiple_sclerosis Systemic_lupus_erytl Celiac disease and Celiac_disease Atrial fibrillation Primary_tooth_develo

Bipolar_disorder_and



Red_blood_cell_traits Platelet_counts Hematological_param Ventricular conduction PR_interval Systolic_blood_press Glycated_hemoglobin Thyroid_hormone_lev Celiac_disease_and_ Celiac_disease Atrial fibrillation Alzheimers disease F.cell distribution Breast_size Renal function.relate Word_reading Adiponectin_levels Smoking_behavior Urate_levels Telomere_length Obesity.related traits Economic_and_politic Triglycerides Cholesterol total Attention_deficit_hype Metabolite_levels Liver_enzyme_levels Lipid_metabolism_ph Colorectal cancer Endometriosis Fasting_glucose.relat Prostate_cancer Lipoprotein.associate LDL_cholesterol Coronary_heart_dise Mean platelet volum HDL_cholesterol Type_1_diabetes_aut Type_1_diabetes Ulcerative colitis Inflammatory_bowel_ Chronic_lymphocytic_ End.stage_coagulation Multiple sclerosis Systemic_lupus_erytl Bone_mineral_densit Primary_tooth_develo

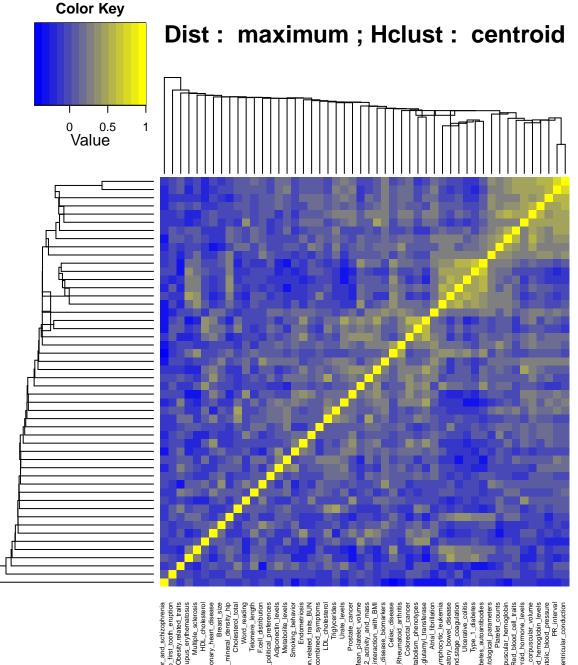
Bipolar_disorder_and

Mean_corpuscular_ve Mean_corpuscular_h

Color Key Dist: maximum; Hclust: median 0.5 Value Word_reading nn.related_traits_BUN Obesity.related_traits Telomere_length _political_preferences Atrial_fibrillation Celiac_disease Rheumatoid_arthritis Breast_size F.cell_distribution lisease_biomarkers Metabolite_levels Cholesterol_total Triglycerides nd.stage_coagulation latory_bowel_disease Ulcerative_colitis upus_erythematosus Smoking_behavio Adiponectin_level lean_platelet_volum Colorectal_cance

Ventricular conduction PR interval Systolic_blood_press Glycated_hemoglobin Mean_corpuscular_v Thyroid hormone lev Mean_corpuscular_h Red_blood_cell_traits Platelet counts Hematological_param Type_1_diabetes_aut Type_1_diabetes Ulcerative_colitis Inflammatory_bowel_ End.stage coagulation Chronic_lymphocytic_ Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Mean_platelet_volum Fasting_glucose.relat Prostate_cancer Lipoprotein.associate LDL_cholesterol Coronary_heart_dise Endometriosis Urate_levels Smoking_behavior Adiponectin_levels Triglycerides Cholesterol total Metabolite levels Alzheimers_disease_ F.cell distribution Breast_size Celiac_disease_and Celiac_disease Atrial fibrillation Economic_and_politic Telomere_length Obesity.related_traits Renal_function.relate Word reading Attention_deficit_hype Systemic_lupus_erytl Multiple sclerosis Bone_mineral_densit Primary_tooth_develo Bipolar_disorder_and

HDL cholesterol



Glycated_hemoglobin Mean_corpuscular_v Thyroid hormone lev Red_blood_cell_traits Mean_corpuscular_h Platelet_counts Hematological_param Type_1_diabetes_aut Type_1_diabetes Ulcerative_colitis End.stage_coagulation Inflammatory bowel Chronic_lymphocytic_ Atrial_fibrillation Liver_enzyme_levels Lipid_metabolism_ph Colorectal_cancer Celiac_disease_and_ Celiac_disease Alzheimers disease Fasting_glucose.relat Lipoprotein, associate Mean platelet volum Prostate_cancer Urate_levels Triglycerides LDL_cholesterol Attention_deficit_hype Renal function.relate Endometriosis Smoking behavior Metabolite_levels Adiponectin_levels Economic_and_politic F.cell distribution Telomere_length Word_reading Cholesterol_total Bone_mineral_densit Breast size Coronary_heart_dise HDL_cholesterol Multiple sclerosis Systemic_lupus_erytl Obesity.related_traits Primary_tooth_develo

Bipolar_disorder_and

Ventricular_conduction
PR_interval
Systolic_blood_press