

Column Name	Description
id	Primary key column
snp	Reference SNP ID number
hg38	Location of the snp in the GRCh38 assembly
hg19	Location of the snp in the GRCh37 assembly
hg18	Location of the snp in the NCBI36 assembly
hg17	Location of the snp in the NCBI35 assembly
trait	Trait associatied with the snp
gene	Gene(s) reported with the snp
raf	Risk allele frequency
riskAllele	The allele associated with the odds ratio
pValue	The P-value for the SNP risk allele
pValueAnnotation	GWA study catalog of the P-value
oddsRatio	Reported odds ratio
lowerCI	Lower value for the 95% confidence interval
upperCI	Upper value for the 95% confidence interval
sex	Sex associated with the P-value
citation	First author's name and the year the study was published
studyID	The GWA study catalog accession ID for the study from which the association was identified

Table S1: PRSKB database *associations_table*

Data in this table are downloaded from the NHGRI-EBI GWAS Catalog¹ and filtered to include only associations that contain both an odds ratio and risk allele value and reside on an autosomal chromosome. Additionally, only non-haplotype associations are preserved.

Column Name	Description
studyID	GWA Study Catalog accession ID
pubMedID	PubMed ID for the GWA study
trait	Trait as reported by the GWA study catalog
reportedTrait	Trait as reported by the study authors
citation	First author's name and the year the study was published.
altmetricScore	Altmetric score of the GWA study—used to reflect study impact
ethnicity	Ethnicity of the study samples
initialSampleSize	Size of initial study sample
replicationSampleSi	Size of replication study sample
title	Title of the study
lastUpdated	Date the last update for this table took place

Table S2: PRSKB database *study_table*

Data in this table are downloaded from the NHGRI-EBI GWAS Catalog¹ and describe the studies from which the associations in *study_association_table* were identified.

Column Name	Description
snp	Reference SNP ID number
position	Chromosome number and base position of the snp for this specific reference assembly
african_clump	Linkage disequilibrium clump identifier for African population
american_clump	Linkage disequilibrium clump identifier for American population
eastAsian_clump	Linkage disequilibrium clump identifier for East Asian population
europoean_clump	Linkage disequilibrium clump identifier for European population
southAsian_clump	Linkage disequilibrium clump identifier for South Asian population

Table S3: PRSKB database linkage disequilibrium clumps

There is a separate clumps table for each combination of reference genome: *hg38_clumps*, *hg19_clumps*, *hg18_clumps*, and *hg17_clumps*. The variants in this table are downloaded from 1000 Genomes². The clump identifier number allows us to quickly determine which variants belong to the same linkage disequilibrium region.

Table S4: Difference in polygenic risk score distributions in individuals with a CDR=1 (Alzheimer's disease) and individuals with a CDR=0.5 or CDR=0 (MCI + Controls)

Group1	Group2	Study ID	Reported Trait	Trait	Statistical Test	Test Statistic	P-value
AD	MCI + Controls	GCST003231	Survival In Colorectal Cancer (Non-Distant Metastatic)	Survival Time	Welch's Two-Sample T-Te	10.25	1.43E-14
AD	MCI + Controls	GCST010502	Tafenoquine Efficacy In P. Vivax Malaria (Recurrence By 4 Months)	Response To Tafenoquine	Welch's Two-Sample T-Te	8.43	2.71E-12
AD	MCI + Controls	GCST005965	B Cell Acute Lymphoblastic Leukaemia (Normal Cytogenetics)	B-Cell Acute Lymphoblastic Leukemia	Welch's Two-Sample T-Te	-8.48	6.25E-11
AD	MCI + Controls	GCST004964	Myocardial Infarction In Darapladib-Treated Cardiovascular Disease (Time To Event)	Myocardial Infarction	Welch's Two-Sample T-Te	-7.68	1.90E-10
AD	MCI + Controls	GCST004690	Resistance To Mycobacterium Tuberculosis In Hiv-Positive Individuals Measured By A Negative Tuberculin Skin Test (Dichotomous)	Tuberculin Skin Test Reactivity Measurement	Welch's Two-Sample T-Te	7.14	3.25E-09
AD	MCI + Controls	GCST009497	Alzheimer's Disease (Onset At Age Over 80)	Alzheimer's Disease	Mann Whitney U Test	74540.00	3.89E-09
AD	MCI + Controls	GCST005276	Dementia With Lewy Bodies	Lewy Body Dementia	Mann Whitney U Test	73063.00	4.78E-08
AD	MCI + Controls	GCST006197	Type 1 Diabetes Autoantibodies In High Risk Hla Genotype Individuals (Time To Event)	Type I Diabetes Mellitus	Mann Whitney U Test	1031872.00	1.17E-07
AD	MCI + Controls	GCST009496	Alzheimer's Disease (Onset Between Ages 58 And 79)	Alzheimer's Disease	Mann Whitney U Test	74091.00	2.33E-07
AD	MCI + Controls	GCST001877	Autism Spectrum Disorder, Attention Deficit-Hyperactivity Disorder, Bipolar Disorder, Major Depressive Disorder, And Schizophrenia (Combined)	Schizophrenia	Mann Whitney U Test	1650412.50	3.29E-07
AD	MCI + Controls	GCST008600	Longevity (Age >90th Survival Percentile)	Longevity	Mann Whitney U Test	45757.00	6.82E-07
AD	MCI + Controls	GCST009287	Chronic Kidney Disease (End Stage Renal Disease Vs. Normal Egrfr) In Type 1 Diabetes	Type I Diabetes Mellitus	Welch's Two-Sample T-Te	-5.92	9.96E-07
AD	MCI + Controls	GCST001996	Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (Epirubicin)	Response To Epirubicin	Mann Whitney U Test	202112.00	3.87E-06
AD	MCI + Controls	GCST008598	Longevity (Age >90th Survival Percentile)	Longevity	Mann Whitney U Test	41828.50	5.32E-06
AD	MCI + Controls	GCST008599	Longevity (Age >99th Survival Percentile)	Longevity	Mann Whitney U Test	41828.50	5.32E-06
AD	MCI + Controls	GCST003862	Kidney Disease (End Stage Renal Disease Vs Non-End Stage Renal Disease) In Type 1 Diabetes	Type 1 Diabetes Nephropathy	Mann Whitney U Test	78188.00	6.26E-06
AD	MCI + Controls	GCST004411	Hiv-Associated Neurocognitive Disorder (Mild Neurocognitive Disorder Or Asymptomatic Neurocognitive Impairment)	Mild Neurocognitive Disorder	Mann Whitney U Test	462271.50	7.23E-06
AD	MCI + Controls	GCST008601	Longevity (Age >99th Survival Percentile)	Longevity	Mann Whitney U Test	47659.50	1.82E-05
AD	MCI + Controls	GCST008120	Suicide Attempts In Schizophrenia	Schizophrenia	Mann Whitney U Test	205888.00	3.59E-05
AD	MCI + Controls	GCST003259	Ischemic Stroke (Large Artery Atherosclerosis)	Large Artery Stroke	Mann Whitney U Test	82626.00	4.57E-05
AD	MCI + Controls	GCST002515	Pneumoconiosis In Silica Exposure	Response To Silica Exposure	Mann Whitney U Test	202748.00	7.93E-05
AD	MCI + Controls	GCST007318	Alzheimer's Disease With Visuospatial Domain Impairment	Visuospatial Impairment	Mann Whitney U Test	268822.00	0.0001278
AD	MCI + Controls	GCST003058	Progression Free Survival In Metastatic Colorectal Cancer (Capox-B Vs Capox-B Plus Cetuximab)	Progression Free Survival	Mann Whitney U Test	819552.00	0.0001542
AD	MCI + Controls	GCST003866	Kidney Disease (Late Stage) In Type 1 Diabetes	Type 1 Diabetes Nephropathy	Welch's Two-Sample T-Te	4.58	0.00016146
AD	MCI + Controls	GCST007296	Chronic Central Serous Retinopathy	Chronic Central Serous Retinopathy	Welch's Two-Sample T-Te	-4.58	0.00016146
AD	MCI + Controls	GCST007434	Metastasis In Stage I-iii Microsatellite Instability Low/Stable Colorectal Cancer (Time To Event)	Metastatic Colorectal Cancer	Mann Whitney U Test	484195.50	0.00037033
AD	MCI + Controls	GCST010762	Hypotension And Cognitive Impairment	Hypotension	Mann Whitney U Test	72360.00	0.0004195
AD	MCI + Controls	GCST007672	3-Month Functional Outcome In Ischaemic Stroke (Modified Rankin Score)	Stroke Outcome Severity Measurement	Mann Whitney U Test	266404.00	0.0004241
AD	MCI + Controls	GCST002960	Frontotemporal Dementia	Frontotemporal Dementia	Mann Whitney U Test	68491.00	0.00058595
AD	MCI + Controls	GCST001702	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	64478.50	0.00059743
AD	MCI + Controls	GCST001258	Ovarian Cancer	Ovarian Carcinoma	Welch's Two-Sample T-Te	-4.12	0.00071033
AD	MCI + Controls	GCST003180	Atopic March	Atopic March	Mann Whitney U Test	487903.50	0.00076871
AD	MCI + Controls	GCST004262	Liver Injury In Combined Anti-Retroviral And Anti-Tuberculosis Drug-Treated Hiv With Tuberculosis	Tuberculosis	rank sums	-3.36	0.00079204
AD	MCI + Controls	GCST002017	Crohn's Disease (Need For Surgery)	Crohn's Disease	Mann Whitney U Test	770.00	0.00089113
AD	MCI + Controls	GCST003245	White Matter Hyperintensities In Ischemic Stroke	White Matter Hyperintensity Measurement	Mann Whitney U Test	264758.00	0.0009016
AD	MCI + Controls	GCST007022	Type 2 Diabetes Nephropathy Including Microalbuminuria	Type 2 Diabetes Nephropathy	Mann Whitney U Test	209132.00	0.00093079
AD	MCI + Controls	GCST010720	Glycosuria In Pregnancy (Maternal Genotype Effect)	Pregnancy	Mann Whitney U Test	262600.00	0.00107305
AD	MCI + Controls	GCST001997	Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (5-Fluorouracil)	Response To Antineoplastic Agent	Mann Whitney U Test	264242.00	0.00110502
AD	MCI + Controls	GCST003683	Intracranial, Abdominal Aortic Or Thoracic Aortic Aneurysm (Pleiotropy)	Thoracic Aortic Aneurysm	Mann Whitney U Test	453528.00	0.00123319
AD	MCI + Controls	GCST003652	Parkinson's Disease (Familial, Age At Onset)	Parkinson's Disease	rank sums	-3.17	0.00150342
AD	MCI + Controls	GCST007665	Treatment Resistant Depression	Treatment Resistant Depression	Mann Whitney U Test	130390.00	0.00176594
AD	MCI + Controls	GCST007230	Severe Depressive Disorders In Coronary Artery Disease	Unipolar Depression	Mann Whitney U Test	169302.00	0.00181047
AD	MCI + Controls	GCST007334	Alzheimer's Disease With Language Domain Impairment	Language Impairment	Mann Whitney U Test	252032.00	0.00182478
AD	MCI + Controls	GCST003604	Sjvðgren's Syndrome	Sjogren Syndrome	Welch's Two-Sample T-Te	-3.74	0.00218921
AD	MCI + Controls	GCST004410	Hiv-Associated Neurocognitive Disorder (Asymptomatic Neurocognitive Impairment)	Hiv-Associated Neurocognitive Disorder	Mann Whitney U Test	216598.00	0.00222814

Autoimmune Thyroid Diseases (Graves Disease Or							
AD	MCI + Controls	GCST005524	Hashimoto's Thyroiditis)	Hashimoto's Thyroiditis	Mann Whitney U Test	581080.50	0.00252528
AD	MCI + Controls	GCST001670	Vitiligo	Vitiligo	rank sums	-3.04	0.00235806
Peg-Asparaginase Hypersensitivity Without Enzyme Activity In Childhood Acute Lymphoblastic							
AD	MCI + Controls	GCST007540	Leukaemia	Asparaginase Hypersensitivity	Mann Whitney U Test	139718.00	0.00252189
AD	MCI + Controls	GCST001971	Hypersomnia (Hla-Dqb1*06:02 Negative)	Hypersomnia	Mann Whitney U Test	68006.00	0.00270604
AD	MCI + Controls	GCST90013414	Covid-19 (Critical Illness Vs. Population)	Covid-19	Mann Whitney U Test	3949.00	0.00283697
AD	MCI + Controls	GCST90011806	Oral Cavity And Pharyngeal Cancer	Oropharynx Cancer	Mann Whitney U Test	15069.50	0.00297652
AD	MCI + Controls	GCST004053	Poor Prognosis In Crohn's Disease	Crohn's Disease	Welch's Two-Sample T-Te	-3.61	0.00319773
AD	MCI + Controls	GCST002245	Alzheimer's Disease (Late Onset)	Alzheimer's Disease	Mann Whitney U Test	67845.00	0.0033203
Progression Free Survival In Metastatic Colorectal							
AD	MCI + Controls	GCST003057	Cancer (Chemotherapy Interaction)	Progression Free Survival	rank sums	2.92	0.00347823
AD	MCI + Controls	GCST007600	Alzheimer's Disease	Alzheimer's Disease	Mann Whitney U Test	67804.50	0.00347846
High Density Lipoprotein Cholesterol							
AD	MCI + Controls	GCST003391	Low High Density Lipoprotein Cholesterol Levels	Measurement	Mann Whitney U Test	51593.00	0.00400519
AD	MCI + Controls	GCST002200	Anxiety And Major Depressive Disorder	Unipolar Depression	rank sums	-2.86	0.00420141
AD	MCI + Controls	GCST010178	Endometriosis Or Migraine	Migraine Disorder	Mann Whitney U Test	261064.00	0.00438668
AD	MCI + Controls	GCST008534	Hearing Loss In Charcot-Marie-Tooth Disease 1a	Hearing Loss	rank sums	-2.85	0.00441747
AD	MCI + Controls	GCST008740	Hyperopia	Hyperopia	Mann Whitney U Test	30755.50	0.00447044
AD	MCI + Controls	GCST001345	Ankylosing Spondylitis	Ankylosing Spondylitis	Mann Whitney U Test	49080.00	0.00467102
AD	MCI + Controls	GCST005899	Type 2 Diabetes	Type Ii Diabetes Mellitus	Welch's Two-Sample T-Te	3.46	0.0046816
AD	MCI + Controls	GCST000808	Alzheimer's Disease (Late Onset)	Alzheimer's Disease	Mann Whitney U Test	42403.00	0.0051387
AD	MCI + Controls	GCST000661	Mortality In Heart Failure	Mortality	Mann Whitney U Test	216464.00	0.00520018
Uncontrolled Blood Pressure In Combination Therapy (Beta Blocker And Thiazide Diuretic)							
AD	MCI + Controls	GCST005039	Response To Thiazide	Response To Thiazide	rank sums	2.79	0.00525371
Response To Abacavir-Containing Treatment In Hiv-1							
AD	MCI + Controls	GCST002769	Infection (Virologic Failure)	Virologic Response Measurement	Mann Whitney U Test	496395.00	0.00546022
AD	MCI + Controls	GCST006405	Coronary Artery Disease In Diabetes	Diabetes Mellitus	Mann Whitney U Test	144810.00	0.00563572
AD	MCI + Controls	GCST008235	Cognitive Impairment	Cognitive Impairment	Mann Whitney U Test	51963.00	0.0057801
AD	MCI + Controls	GCST004246	Alzheimer's Disease	Alzheimer's Disease	Mann Whitney U Test	67307.50	0.00603147
Kidney Disease (End Stage Renal Disease Vs Non-End							
AD	MCI + Controls	GCST009280	Stage Renal Disease) In Type 1 Diabetes	Type I Diabetes Mellitus	Welch's Two-Sample T-Te	-3.32	0.0068723
Chronic Bronchitis And Chronic Obstructive							
AD	MCI + Controls	GCST002625	Pulmonary Disease	Chronic Obstructive Pulmonary Disease	Mann Whitney U Test	217234.00	0.00699667
AD	MCI + Controls	GCST002596	Colorectal Cancer (Calcium Intake Interaction)	Colorectal Cancer	Mann Whitney U Test	259144.00	0.00725971
AD	MCI + Controls	GCST001069	Thyroid Volume	Thyroid Volume	Mann Whitney U Test	51564.00	0.00772507
AD	MCI + Controls	GCST000728	Behcet's Disease	Behcet's Syndrome	rank sums	-2.65	0.00798845
Airway Obstruction (Fev1/Fvc<Lower Limit Of							
AD	MCI + Controls	GCST008241	Normal) In Never Smokers	Smoking Status Measurement	Mann Whitney U Test	64100.00	0.00851152
AD	MCI + Controls	GCST009007	High-Grade Serous Ovarian Cancer	Ovarian Serous Carcinoma	Mann Whitney U Test	60233.50	0.0087935
AD	MCI + Controls	GCST000719	Alopecia Areata	Alopecia Areata	Mann Whitney U Test	52323.00	0.00888073
AD	MCI + Controls	GCST002595	Clozapine-Induced Agranulocytosis	Response To Clozapine	Mann Whitney U Test	258764.00	0.00895002
AD	MCI + Controls	GCST003877	Abdominal Aortic Aneurysm	Abdominal Aortic Aneurysm	Mann Whitney U Test	66929.50	0.00908391
AD	MCI + Controls	GCST005078	Mortality	Mortality	rank sums	2.60	0.00926525
AD	MCI + Controls	GCST007990	Coronary Artery Disease	Coronary Heart Disease	Mann Whitney U Test	52410.50	0.00973042
Postoperative Atrial Fibrillation In Coronary Artery							
AD	MCI + Controls	GCST002975	Bypass Grafting Surgery	Coronary Artery Bypass	Mann Whitney U Test	258316.00	0.01022076
AD	MCI + Controls	GCST002124	Ige Levels In Asthmatics (D.p. Specific)	Serum Ige Measurement	Mann Whitney U Test	250278.00	0.01031794
Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (All Topoisomerase							
AD	MCI + Controls	GCST001994	Inhibitors)	Response To Topoisomerase Inhibitor	Mann Whitney U Test	258780.00	0.01035058
AD	MCI + Controls	GCST008468	Nonalcoholic Fatty Liver Disease	Non-Alcoholic Fatty Liver Disease	Mann Whitney U Test	66729.00	0.01117071
AD	MCI + Controls	GCST007248	Stroke	Stroke	rank sums	-2.52	0.01182021
AD	MCI + Controls	GCST009817	Clozapine-Induced Myocarditis In Schizophrenia	Schizophrenia	Mann Whitney U Test	413869.50	0.01205228
AD	MCI + Controls	GCST001557	Venous Thromboembolism	Venous Thromboembolism	Mann Whitney U Test	13465.00	0.01473258
AD	MCI + Controls	GCST007559	Sleep Duration (Short Sleep)	Sleep Duration	Mann Whitney U Test	52846.00	0.01512141
Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (All Platinum-Based							
AD	MCI + Controls	GCST001998	Drugs)	Response To Platinum Based Chemotherapy	Mann Whitney U Test	257624.00	0.01575972
Moderate Or Severe Diarrhoea In Darapladib-Treated							
AD	MCI + Controls	GCST004967	Cardiovascular Disease (Time To Event)	Response To Darapladib	Mann Whitney U Test	12592.00	0.01627275
AD	MCI + Controls	GCST000574	Pancreatic Cancer	Pancreatic Carcinoma	rank sums	-2.40	0.01661304
AD	MCI + Controls	GCST000114	Skin Pigmentation	Skin Pigmentation	Mann Whitney U Test	39393.50	0.0167183
AD	MCI + Controls	GCST009279	End-Stage Renal Disease In Type 1 Diabetics	Type I Diabetes Mellitus	Mann Whitney U Test	322.00	0.01677807
Cold Medicine-Related Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis (Sjs/Ten) With							
AD	MCI + Controls	GCST004072	Severe Ocular Complications	Stevens-Johnson Syndrome	Mann Whitney U Test	120955.50	0.01814321
AD	MCI + Controls	GCST008836	Lung Adenocarcinoma	Lung Adenocarcinoma	Mann Whitney U Test	53034.50	0.01817534
Response To Platinum-Based Neoadjuvant Chemotherapy In Cervical Cancer							
AD	MCI + Controls	GCST004097		Response To Platinum-Based Neoadjuvant Chemotherapy	rank sums	-2.36	0.01842221
Resistance To Antihypertensive Treatment In							
AD	MCI + Controls	GCST009101	Hypertension	Treatment-Resistant Hypertension	rank sums	2.35	0.01870467
Nonalcoholic Steatohepatitis-Derived Hepatocellular							
AD	MCI + Controls	GCST005309	Carcinoma	Non-Alcoholic Steatohepatitis	Mann Whitney U Test	73270.00	0.01978283
AD	MCI + Controls	GCST008118	Suicide Attempts In Major Depressive Disorder	Unipolar Depression	Mann Whitney U Test	46350.00	0.02033258
AD	MCI + Controls	GCST010575	Evening Vs. Morning Chronotype (Smeq Score)	Chronotype Measurement	Mann Whitney U Test	50892.50	0.02061764
Esophageal Adenocarcinoma X Gastroesophageal							
AD	MCI + Controls	GCST006531	Reflux Disease Interaction	Esophageal Adenocarcinoma	rank sums	-2.31	0.02071983

3-Month Functional Outcome In Ischaemic Stroke							
AD	MCI + Controls	GCST007676	(Modified Rankin Score)	Stroke Outcome Severity Measurement	Mann Whitney U Test	256764.00	0.02117505
AD	MCI + Controls	GCST003539	Mortality In Heart Failure	Mortality	Mann Whitney U Test	12554.00	0.02124171
Mammographic Density Measurement							
AD	MCI + Controls	GCST002676	Mammographic Density	Mammographic Density Measurement	Mann Whitney U Test	53142.50	0.02161739
AD	MCI + Controls	GCST000237	Alzheimer's Disease	Alzheimer's Disease	rank sums	-2.30	0.02165981
AD	MCI + Controls	GCST003541	Survival In Head And Neck Cancer	Survival Time	Welch's Two-Sample T-Te	-2.41	0.02171857
Thyroid Peroxidase Autoantibody Levels In Type 1 Diabetes							
AD	MCI + Controls	GCST004383	Diabetes	Type I Diabetes Mellitus	rank sums	2.28	0.02270682
Infliximab-Induced Mucosal Healing In Crohn's Disease							
AD	MCI + Controls	GCST008397	Disease	Response To Tnf Antagonist	rank sums	2.27	0.02309611
AD	MCI + Controls	GCST009861	Cryptosporidiosis	Cryptosporidiosis	Mann Whitney U Test	28980.50	0.02320594
AD	MCI + Controls	GCST005803	Corneal Astigmatism	Corneal Astigmatism	Mann Whitney U Test	65941.00	0.02411961
AD	MCI + Controls	GCST002477	Alcohol Dependence (Age At Onset)	Alcohol Dependence	Mann Whitney U Test	256348.00	0.02430939
Kidney Disease (End Stage Renal Disease Or Albuminuria) In Type 1 Diabetes							
AD	MCI + Controls	GCST009292	Albuminuria) In Type 1 Diabetes	Type I Diabetes Mellitus	rank sums	-2.24	0.02505468
AD	MCI + Controls	GCST009758	Idiopathic Pulmonary Fibrosis	Idiopathic Pulmonary Fibrosis	Mann Whitney U Test	65816.00	0.02707083
Pulmonary Artery Enlargement In Chronic Obstructive Pulmonary Disease							
AD	MCI + Controls	GCST002797	Obstructive Pulmonary Disease	Pulmonary Artery Enlargement	Mann Whitney U Test	92124.00	0.0279874
AD	MCI + Controls	GCST003489	Food Addiction	Food Addiction Measurement	Mann Whitney U Test	67872.00	0.02848638
AD	MCI + Controls	GCST009603	Schizophrenia	Schizophrenia	rank sums	-2.19	0.02858224
AD	MCI + Controls	GCST001814	Age-Related Macular Degeneration	Age-Related Macular Degeneration	Mann Whitney U Test	53525.00	0.02877313
AD	MCI + Controls	GCST004343	Chronic Venous Disease	Varicose Veins	Mann Whitney U Test	249476.00	0.02962876
Hiv-Associated							

Juvenile Idiopathic Arthritis (Oligoarticular Or Rheumatoid Factor-Negative Polyarticular)							
AD	MCI + Controls	GCST005528	Systemic Juvenile Idiopathic Arthritis	Mann Whitney U Test	565920.00	0.04438456	
AD	MCI + Controls	GCST000056	Restless Legs Syndrome	Restless Legs Syndrome	Mann Whitney U Test	65100.50	0.04497993
Ossification Of The Posterior Longitudinal Ligament Of The Spine							
AD	MCI + Controls	GCST002545	Ossification Of The Posterior Longitudinal Ligament Of The Spine	Mann Whitney U Test	53779.00	0.04560915	
AD	MCI + Controls	GCST003873	Colorectal Cancer (Alcohol Consumption Interaction)	Colorectal Cancer	rank sums	-1.99	0.04612216
AD	MCI + Controls	GCST006096	Age Spots	Solar Lentigines Measurement	Mann Whitney U Test	64728.00	0.04612466
AD	MCI + Controls	GCST000742	Chronic Kidney Disease And Serum Creatinine Levels	Chronic Kidney Disease	Mann Whitney U Test	64960.00	0.04619201
AD	MCI + Controls	GCST005570	Hepatitis B Virus-Related Hepatocellular Carcinoma	Hepatocellular Carcinoma	rank sums	-1.99	0.04652259
AD	MCI + Controls	GCST001404	Gallbladder Cancer	Gallbladder Neoplasm	Mann Whitney U Test	35287.50	0.04671514
Alanine Aminotransferase (Alt) Levels After Remission Induction Therapy In Actute Lymphoblastic Leukemia (All)							
AD	MCI + Controls	GCST004250	Serum Alanine Aminotransferase Measurement	Mann Whitney U Test	565596.00	0.04679817	
AD	MCI + Controls	GCST005213	Asthma (Childhood Onset)	Childhood Onset Asthma	Mann Whitney U Test	64863.00	0.04776393
AD	MCI + Controls	GCST005573	Osteoarthritis Of The Hip Or Knee	Osteoarthritis, Knee	rank sums	1.98	0.04785551
Kidney Disease (Early And Late Stages) In Type 1 Diabetes							
AD	MCI + Controls	GCST003864	Type 1 Diabetes Nephropathy	rank sums	1.98	0.04795382	
AD	MCI + Controls	GCST000435	Schizophrenia	Schizophrenia	Mann Whitney U Test	54115.00	0.0480186
AD	MCI + Controls	GCST002560	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	54122.50	0.04852011
AD	MCI + Controls	GCST009976	Suicidal Or Self-Harm Ideation	Suicidal Ideation	Mann Whitney U Test	46894.00	0.0488331
AD	MCI + Controls	GCST008231	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	31177.00	0.04886741
AD	MCI + Controls	GCST001719	Prostate Cancer	Prostate Carcinoma	Welch's Two-Sample T-Te	-2.45	0.04982526
AD	MCI + Controls	GCST006198	Giant Cell Arteritis	Temporal Arteritis	Mann Whitney U Test	39273.00	0.05027319
AD	MCI + Controls	GCST0					

AD	MCI + Controls	GCST003322	Ischemic Stroke (Large Artery Atherosclerosis)	Large Artery Stroke	Mann Whitney U Test	3004.00	0.06575592
AD	MCI + Controls	GCST002944	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	54494.50	0.06581756
AD	MCI + Controls	GCST000317	Obesity	Obesity	Mann Whitney U Test	54136.50	0.06635237
AD	MCI + Controls	GCST010287	Oral Cavity Cancer	Oral Cavity Cancer	rank sums	-1.83	0.06662508
AD	MCI + Controls	GCST007278	Systemic Seropositive Rheumatic Diseases (Systemic Sclerosis Or Systemic Lupus Erythematosus Or Rheumatoid Arthritis Or Idiopathic Inflammatory Myopathies)	Systemic Scleroderma	Mann Whitney U Test	995104.00	0.06717491
AD	MCI + Controls	GCST009289	Kidney Disease (Reduced Egfr And Albuminuria Or End Stage Renal Disease) In Type 1 Diabetes	Type I Diabetes Mellitus	rank sums	-1.83	0.06736881
AD	MCI + Controls	GCST006530	Esophageal Adenocarcinoma X Smoking Interaction	Smoking Status Measurement	Mann Whitney U Test	38002.00	0.06764475
AD	MCI + Controls	GCST000017	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	34219.50	0.0681156
AD	MCI + Controls	GCST003012	Obstructive Sleep Apnea	Obstructive Sleep Apnea	rank sums	1.82	0.06817117
AD	MCI + Controls	GCST009078	Choroidal Melanoma	Choroidal Melanoma	Mann Whitney U Test	18629.50	0.06875853
AD	MCI + Controls	GCST009238	Asthma (Time To Childhood Onset) X Early Life Tobacco Smoke Interaction	Environmental Tobacco Smoke Exposure Measurement	Mann Whitney U Test	509476.50	0.06889517
AD	MCI + Controls	GCST009079	Uveal Melanoma With Any Chromosomal Aberration	Uveal Melanoma	Mann Whitney U Test	46478.50	0.06984771
AD	MCI + Controls	GCST003863	Chronic Kidney Disease (Severe Chronic Kidney Disease Vs Normal Kidney Function) In Type 1 Diabetes	Type 1 Diabetes Nephropathy	rank sums	-1.81	0.07089584
AD	MCI + Controls	GCST010098	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	54609.00	0.07206286
AD	MCI + Controls	GCST009514	Recurrence Of Mild Malaria Attacks	Malaria	Mann Whitney U Test	23078.00	0.07254376
AD	MCI + Controls	GCST000770	Emphysema-Related Traits	Emphysema	Mann Whitney U Test	64596.50	0.07424396
AD	MCI + Controls	GCST002004	Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (Carboplatin)	Response To Carboplatin	Mann Whitney U Test	224456.00	0.07457705
AD	MCI + Controls	GCST007700	Substance Use Disorder	Drug Dependence	Mann Whitney U Test	299.00	0.07618755
AD	MCI + Controls	GCST009284	Macroalbuminuria In Type 1 Diabetes	Type I Diabetes Mellitus	Mann Whitney U Test	207568.00	0.07620119
AD	MCI + Controls	GCST001181	Drug-Induced Stevens-Johnson Syndrome Or Toxic Epidermal Necrolysis (Sjs/Ten)	Stevens-Johnson Syndrome	Mann Whitney U Test	208208.00	0.07630207
AD	MCI + Controls	GCST000152	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	54684.50	0.07644628
AD	MCI + Controls	GC					

AD	MCI + Controls	GCST003142	Proteinuria In Chronic Kidney Disease	Proteinuria	Mann Whitney U Test	104578.00	0.0920302
AD	MCI + Controls	GCST000052	Colorectal Cancer	Colorectal Cancer	rank sums	-1.68	0.09320216
AD	MCI + Controls	GCST001842	Drinking Behavior	Drinking Behavior	Mann Whitney U Test	59926.50	0.09420675
AD	MCI + Controls	GCST000416	Testicular Cancer	Testicular Carcinoma	rank sums	1.67	0.09454442
AD	MCI + Controls	GCST005112	Breast Cancer In Childhood Cancer Survivors Treated With More Than 10 Gray Radiotherapy	Response To Radiation	Mann Whitney U Test	348772.50	0.0951689
AD	MCI + Controls	GCST008378	Toxicity Response To Radiotherapy In Prostate Cancer (Decreased Urine Stream) (Time To Event)	Urinary Retention	Mann Whitney U Test	1116.00	0.09703895
AD	MCI + Controls	GCST004224	Coronary Atherosclerosis (Increased Number Of Diseased Vessels) (Traffic Exposure Interaction)	Traffic Air Pollution Measurement	Mann Whitney U Test	225458.00	0.09735352
AD	MCI + Controls	GCST007152	Chronic Back Pain	Back Pain	Mann Whitney U Test	62598.50	0.09774137
AD	MCI + Controls	GCST007897	Liver Injury In Anti-Tuberculosis Drug Treatment	Tuberculosis	rank sums	-1.66	0.09776653
AD	MCI + Controls	GCST009700	Obesity (Extreme)	Obesity	Mann Whitney U Test	64258.50	0.09827624
AD	MCI + Controls	GCST009077	Uveal Melanoma With Chromosome 3 Loss	Uveal Melanoma	Mann Whitney U Test	42969.50	0.09860541
AD	MCI + Controls	GCST006091	Freckles	Freckles	Mann Whitney U Test	64241.00	0.09952185
AD	MCI + Controls	GCST003140	Chronic Kidney Disease	Chronic Kidney Disease	Mann Whitney U Test	23219.50	0.09984053
AD	MCI + Controls	GCST000855	Parkinson's Disease	Parkinson's Disease	rank sums	-1.64	0.10031758
AD	MCI + Controls	GCST006154	Frontotemporal Dementia	Frontotemporal Dementia	Mann Whitney U Test	64228.50	0.10043299
AD	MCI + Controls	GCST9001182	Cancer (Pleiotropy)	Cancer	Mann Whitney U Test	55045.00	0.10044283
AD	MCI + Controls	GCST005804	Taxane-Induced Peripheral Neuropathy In Breast Cancer	Response To Taxane	rank sums	1.64	0.10065808
AD	MCI + Controls	GCST007240	Obese Vs. Thin	Obese Body Mass Index Status	Mann Whitney U Test	55056.00	0.10125981
AD	MCI + Controls	GCST007633	Hepatitis C (Spontaneous Viral Clearance)	Remission	rank sums	-1.64	0.10183275
AD	MCI + Controls	GCST004977	Hen's Egg Allergy	Egg Allergy Measurement	rank sums	-1.63	0.10206768
AD	MCI + Controls	GCST007302	Breast Cancer In Brca2 Mutation Carriers	Breast Carcinoma	Mann Whitney U Test	55081.00	0.10245988
AD	MCI + Controls	GCST006152	Language Impairment In Frontotemporal Lobe Dementia	Frontotemporal Dementia	rank sums	1.63	0.10330107
AD	MCI + Controls	GCST003454					

AD	MCI + Controls	GCST001596	Glaucoma	Glaucoma	rank sums	-1.53	0.12620314
AD	MCI + Controls	GCST001715	Bipolar Disorder With Mood-Incongruent Psychosis	Bipolar Disorder	Mann Whitney U Test	63171.50	0.12638097
AD	MCI + Controls	GCST002576	Epithelial Ovarian Cancer	Malignant Epithelial Tumor Of Ovary	Mann Whitney U Test	55390.50	0.12786777
AD	MCI + Controls	GCST005706	Neutralising Antibody Response To Interferon Beta Therapy In Multiple Sclerosis (Presence Of Antibodies)	Response To Interferon Beta	rank sums	-1.52	0.1279806
AD	MCI + Controls	GCST001592	Osteoarthritis	Osteoarthritis	Mann Whitney U Test	54265.00	0.12823859
AD	MCI + Controls	GCST008270	Post-Traumatic Stress Disorder Symptoms In Trauma-Exposed Soldiers	Response To Trauma Exposure	Mann Whitney U Test	28726.00	0.12870028
AD	MCI + Controls	GCST009071	Uveal Melanoma	Uveal Melanoma	Mann Whitney U Test	63874.50	0.12954206
AD	MCI + Controls	GCST000607	Schizophrenia	Schizophrenia	rank sums	-1.51	0.1298365
AD	MCI + Controls	GCST009877	Rheumatoid Arthritis	Rheumatoid Arthritis	Mann Whitney U Test	63864.00	0.13050209
AD	MCI + Controls	GCST005841	Ischemic Stroke (Small-Vessel)	Small Vessel Stroke	Mann Whitney U Test	54959.00	0.13096845
AD	MCI + Controls	GCST007949	Type 2 Diabetes And End-Stage Kidney Disease	Type 2 Diabetes Nephropathy	Mann Whitney U Test	53781.00	0.13109543
AD	MCI + Controls	GCST001720	Endometriosis	Endometriosis	Mann Whitney U Test	63745.50	0.13130334
AD	MCI + Controls	GCST004273	Venlafaxine Response In Generalised Anxiety Disorder (Remitters Vs Non-Remitters After 24 Weeks)	Response To Venlafaxine	rank sums	1.50	0.13313695
AD	MCI + Controls	GCST000063	Neuroticism	Neurotic Disorder	rank sums	-1.50	0.13356139
AD	MCI + Controls	GCST000849	Hypertension	Hypertension	rank sums	1.50	0.1336341
AD	MCI + Controls	GCST003838	Morning Vs. Evening Chronotype	Circadian Rhythm	Mann Whitney U Test	63827.50	0.13385537
AD	MCI + Controls	GCST002913	Lachrymal/Salivary Gland Lesion In Type 1 Autoimmune Pancreatitis	Salivary Gland Lesion	rank sums	-1.50	0.13427078
AD	MCI + Controls	GCST000773	Keloid	Keloid	Mann Whitney U Test	42713.00	0.13451712
AD	MCI + Controls	GCST005810	Osteoarthritis Of The Hip (Hospital Diagnosed)	Osteoarthritis, Hip	Mann Whitney U Test	63101.50	0.13504086
AD	MCI + Controls	GCST005814	Osteoarthritis (Hospital Diagnosed)	Osteoarthritis	Mann Whitney U Test	62231.00	0.13531465
AD	MCI + Controls	GCST008729	Marginal Zone Lymphoma Or Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	52494.00	0.1356235
AD	MCI + Controls	GCST005843	Ischemic Stroke	Ischemic Stroke	rank sums	1.49	0.1361222
AD	MCI + Controls						

AD	MCI + Controls	GCST004805	Immunoglobulin Light Chain (Al) Amyloidosis (Heart Involvement)	Heart Amyloid Deposition Measurement	rank sums	1.42	0.15422103
AD	MCI + Controls	GCST004811	Immunoglobulin Light Chain (Al) Amyloidosis (Serum Ig Light Chain Only Lambda/Kappa Based Profile)	Igg Isotype Profile Measurement	rank sums	1.42	0.15422103
AD	MCI + Controls	GCST004812	Immunoglobulin Light Chain (Al) Amyloidosis (Kidney Involvement)	Kidney Amyloid Deposition Measurement	rank sums	1.42	0.15422103
AD	MCI + Controls	GCST004804	Immunoglobulin Light Chain (Al) Amyloidosis (Serum Ig Light Chain Only Lambda Based Profile)	Igg Isotype Profile Measurement	rank sums	1.42	0.15422103
AD	MCI + Controls	GCST003044	Crohn's Disease	Crohn's Disease	Mann Whitney U Test	63609.00	0.1553482
AD	MCI + Controls	GCST002504	Peripheral Artery Disease	Peripheral Arterial Disease	Mann Whitney U Test	53937.00	0.15563096
AD	MCI + Controls	GCST002875	Diisocyanate-Induced Asthma	Response To Diisocyanate	Welch's Two-Sample T-Te	1.42	0.1563859
AD	MCI + Controls	GCST003048	Schizophrenia	Schizophrenia	Mann Whitney U Test	55675.00	0.1563911
AD	MCI + Controls	GCST90011812	Lung Cancer	Lung Carcinoma	Mann Whitney U Test	63256.50	0.15772978
AD	MCI + Controls	GCST001957	Obesity (Early Onset Extreme)	Obesity	Mann Whitney U Test	55700.00	0.15902114
AD	MCI + Controls	GCST003624	Diarrhoeal Disease At Age 2 With Doctor Diagnosis	Diarrhea	rank sums	-1.41	0.1595811
AD	MCI + Controls	GCST001173	Type 2 Diabetes	Type II Diabetes Mellitus	rank sums	-1.41	0.15973296
AD	MCI + Controls	GCST002787	Exfoliation Syndrome	Exfoliation Syndrome	Mann Whitney U Test	31517.50	0.16074275
AD	MCI + Controls	GCST001159	Restless Legs Syndrome	Restless Legs Syndrome	Mann Whitney U Test	63556.00	0.16091393
AD	MCI + Controls	GCST009956	Primary Biliary Cirrhosis	Primary Biliary Cirrhosis	Mann Whitney U Test	55718.50	0.16098956
AD	MCI + Controls	GCST003184	Atopic Dermatitis	Atopic Eczema	Mann Whitney U Test	55721.50	0.16131025
AD	MCI + Controls	GCST000842	Bladder Cancer	Bladder Carcinoma	Mann Whitney U Test	55448.00	0.16169136
AD	MCI + Controls	GCST000244	Type 1 Diabetes	Type I Diabetes Mellitus	Mann Whitney U Test	61772.50	0.16247049
AD	MCI + Controls	GCST004806	Immunoglobulin Light Chain (Al) Amyloidosis (Heart And Kidney Involvement)	Kidney Amyloid Deposition Measurement	rank sums	1.40	0.16267001
AD	MCI + Controls	GCST009598	Kidney Stones	Nephrolithiasis	Mann Whitney U Test	55743.50	0.16367795
AD	MCI + Controls	GCST003247	Testicular Germ Cell Tumor	Testicular Germ Cell Tumor	Mann Whitney U Test	55993.00	0.16371009
AD	MCI + Controls	GCST001292	Leprosy	Leprosy	Mann Whitney U Test	62529.00	0.16433753
AD	MCI + Controls	GCST000154	Prostate Cancer	Prostate Carcinoma			

AD	MCI + Controls	GCST001384	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	rank sums	1.31	0.19089031
AD	MCI + Controls	GCST001136	Interstitial Lung Disease	Interstitial Lung Disease	rank sums	1.31	0.19094732
AD	MCI + Controls	GCST003615	Susceptibility To Persistent Hepatitis B Virus Infection	Susceptibility To Viral And Mycobacterial Infections	Mann Whitney U Test	227124.00	0.19170577
AD	MCI + Controls	GCST001002	Cerivastatin-Induced Rhabdomyolysis	Rhabdomyolysis	rank sums	-1.31	0.19171122
AD	MCI + Controls	GCST001938	Ulcerative Colitis	Ulcerative Colitis	Mann Whitney U Test	55409.50	0.19187438
AD	MCI + Controls	GCST003121	Alcohol Dependence	Alcohol Dependence	Mann Whitney U Test	55995.00	0.19261692
AD	MCI + Controls	GCST004961	Major Coronary Event In Placebo-Treated Cardiovascular Disease (Time To Event)	Response To Placebo	rank sums	1.30	0.19345486
AD	MCI + Controls	GCST002350	Chronic Obstructive Pulmonary Disease (Severe)	Chronic Obstructive Pulmonary Disease	rank sums	-1.30	0.19353069
AD	MCI + Controls	GCST002738	Psoriasis	Psoriasis	Mann Whitney U Test	56008.00	0.19422685
AD	MCI + Controls	GCST001644	Eating Disorders	Mental Or Behavioural Disorder	Mann Whitney U Test	56015.50	0.19502669
AD	MCI + Controls	GCST008483	Ulcerative Colitis	Ulcerative Colitis	Mann Whitney U Test	63249.50	0.19597513
AD	MCI + Controls	GCST002568	Esophageal Squamous Cell Carcinoma	Esophageal Squamous Cell Carcinoma	Mann Whitney U Test	63251.00	0.19607472
AD	MCI + Controls	GCST009840	Diabetic Retinopathy In Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	245406.00	0.19669631
AD	MCI + Controls	GCST004867	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	63228.00	0.19893885
AD	MCI + Controls	GCST001804	Behcet's Disease	Behcet's Syndrome	Mann Whitney U Test	63217.00	0.20012562
AD	MCI + Controls	GCST004163	Resistance To Antihypertensive Treatment In Hypertension	Treatment-Resistant Hypertension	rank sums	1.28	0.20045467
AD	MCI + Controls	GCST010505	Suicide Attempts	Attempted Suicide	Mann Whitney U Test	58434.50	0.20276402
AD	MCI + Controls	GCST002508	Frontotemporal Dementia	Frontotemporal Dementia	rank sums	-1.27	0.20350627
AD	MCI + Controls	GCST002405	Cervical Cancer	Cervical Carcinoma	Mann Whitney U Test	63189.00	0.20386084
AD	MCI + Controls	GCST003007	Non-Cardia Gastric Cancer	Gastric Carcinoma	rank sums	-1.27	0.2039067
AD	MCI + Controls	GCST010731	Childhood Steroid-Sensitive Nephrotic Syndrome	Nephrotic Syndrome	Mann Whitney U Test	233.00	0.20496557
AD	MCI + Controls	GCST007420	Breast Cancer (Progesterone-Receptor Positive)	Progesterone-Receptor Negative Breast Cancer	rank sums	-1.27	0.20504649
AD	MCI + Controls	GCST001494	Non-Obstructive Azoosperm				

AD	MCI + Controls	GCST001146	Systemic Sclerosis	Systemic Scleroderma	Mann Whitney U Test	55378.00	0.22248329
AD	MCI + Controls	GCST005387	Binge Eating Behaviour In Bipolar Disorder	Bipolar Disorder	Mann Whitney U Test	172538.00	0.22324712
AD	MCI + Controls	GCST006066	Glaucoma (Primary Open-Angle)	Open-Angle Glaucoma	Mann Whitney U Test	63032.50	0.22450267
AD	MCI + Controls	GCST005407	Glaucoma (Primary Open-Angle)	Open-Angle Glaucoma	Mann Whitney U Test	54473.00	0.22474049
			Clozapine-Induced Agranulocytosis/Granulocytopenia In Treatment-				
AD	MCI + Controls	GCST003450	Resistant Schizophrenia	Treatment Refractory Schizophrenia	Mann Whitney U Test	164695.50	0.22489645
AD	MCI + Controls	GCST007576	Chronotype	Chronotype Measurement	Mann Whitney U Test	63020.00	0.22621593
AD	MCI + Controls	GCST002268	Autism	Autism	Mann Whitney U Test	50168.50	0.2264648
AD	MCI + Controls	GCST010304	Cutaneous Malignant Melanoma	Cutaneous Melanoma	Mann Whitney U Test	63009.00	0.22772936
AD	MCI + Controls	GCST000737	Hypertriglyceridemia	Hypertriglyceridemia	Mann Whitney U Test	49715.50	0.2282498
			Behavioural Changes In Frontotemporal Lobe				
AD	MCI + Controls	GCST006146	Dementia	Frontotemporal Dementia	Mann Whitney U Test	228684.00	0.22837513
AD	MCI + Controls	GCST002922	Multiple Myeloma And Monoclonal Gammopathy	Multiple Myeloma	rank sums	1.20	0.2283907
AD	MCI + Controls	GCST003085	Warfarin Maintenance Dose	Response To Anticoagulant	rank sums	-1.20	0.22912291
AD	MCI + Controls	GCST001382	Thyroid Cancer	Thyroid Carcinoma	Mann Whitney U Test	49543.50	0.22924206
				Chronic Obstructive Pulmonary			
AD	MCI + Controls	GCST002519	Asthma Or Chronic Obstructive Pulmonary Disease	Disease	Mann Whitney U Test	83116.00	0.23053704
AD	MCI + Controls	GCST000863	Hiv-1 Control	Hiv-1 Infection	Mann Whitney U Test	60828.00	0.23083974
AD	MCI + Controls	GCST000563	Ankylosing Spondylitis	Ankylosing Spondylitis	Mann Whitney U Test	53736.00	0.23152198
AD	MCI + Controls	GCST005569	Rheumatoid Arthritis	Rheumatoid Arthritis	Mann Whitney U Test	62980.50	0.23168388
			Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (Doxorubicin)				
AD	MCI + Controls	GCST002009		Response To Doxorubicin	rank sums	1.20	0.23192061
AD	MCI + Controls	GCST006428	Suicide Attempts	Attempted Suicide	Mann Whitney U Test	59642.50	0.23219494
AD	MCI + Controls	GCST002385	Bipolar Disorder	Bipolar Disorder	Mann Whitney U Test	50831.00	0.23237223
AD	MCI + Controls	GCST009399	Smoking Initiation (Ever Regular Vs Never Regular)	Smoking Status Measurement	Mann Whitney U Test		

AD	MCI + Controls	GCST001941	Ovarian Cancer	Ovarian Carcinoma	Mann Whitney U Test	62521.00	0.25561675
AD	MCI + Controls	GCST000411	Autism	Autism	rank sums	1.14	0.25562023
AD	MCI + Controls	GCST001807	Tetralogy Of Fallot	Tetralogy Of Fallot	Mann Whitney U Test	61675.00	0.25658296
AD	MCI + Controls	GCST009156	Uterine Fibroids And Heavy Menstrual Bleeding	Uterine Fibroid	Mann Whitney U Test	229682.00	0.25683944
AD	MCI + Controls	GCST90011815	Non-Hodgkin's Lymphoma	Non-Hodgkins Lymphoma	Mann Whitney U Test	56472.00	0.25756173
AD	MCI + Controls	GCST009636	B-Cell Acute Lymphoblastic Leukaemia (Etv6-Runx1 Positive)	B-Cell Acute Lymphoblastic Leukemia	Mann Whitney U Test	1123.50	0.2577645
AD	MCI + Controls	GCST000712	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	56474.50	0.25793919
AD	MCI + Controls	GCST000639	Urinary Bladder Cancer	Bladder Carcinoma	Mann Whitney U Test	54610.50	0.25896818
AD	MCI + Controls	GCST002433	Rheumatoid Arthritis	Rheumatoid Arthritis	Mann Whitney U Test	60896.50	0.25923151
AD	MCI + Controls	GCST004009	Leprosy	Leprosy	Mann Whitney U Test	56484.00	0.25935454
AD	MCI + Controls	GCST007565	Morning Person	Chronotype Measurement	Mann Whitney U Test	62785.50	0.26005271
AD	MCI + Controls	GCST001665	Intracranial Aneurysm	Brain Aneurysm	rank sums	-1.13	0.26008157
AD	MCI + Controls	GCST000962	Kawasaki Disease	Mucocutaneous Lymph Node Syndrome	Mann Whitney U Test	25296.50	0.26010105
AD	MCI + Controls	GCST000118	Blond Vs. Brown Hair Color	Hair Color	Mann Whitney U Test	51511.00	0.26235252
AD	MCI + Controls	GCST001609	Lung Adenocarcinoma	Lung Adenocarcinoma	Mann Whitney U Test	55082.00	0.26415662
AD	MCI + Controls	GCST010478	Chronic Kidney Disease	Chronic Kidney Disease	Mann Whitney U Test	61977.50	0.26442733
AD	MCI + Controls	GCST000168	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	50372.00	0.26587816
AD	MCI + Controls	GCST001166	Aging (Time To Event)	Aging	Mann Whitney U Test	62745.50	0.26601611
AD	MCI + Controls	GCST007266	Adult Asthma	Asthma	Mann Whitney U Test	62739.50	0.26605292
AD	MCI + Controls	GCST007280	Number Of Twin Births	Multiple Births Measurement	rank sums	1.11	0.26616201
AD	MCI + Controls	GCST002102	Thyroid Cancer	Thyroid Carcinoma	rank sums	-1.11	0.26624096
AD	MCI + Controls	GCST000439	Glioma	Central Nervous System Cancer	Mann Whitney U Test	62037.00	0.26624152
AD	MCI + Controls	GCST009153	Adverse Response To Chemotherapy (Amenorrhea) In Breast Cancer	Response To Ant			

AD	MCI + Controls	GCST002001	Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (All Antimicrotubule Drugs)	Response To Antineoplastic Agent	Mann Whitney U Test	246926.00	0.28913295
			Sarcoidosis (Non-Lofgren's Syndrome Without Extrapulmonary Manifestations)	Sarcoidosis	rank sums	1.06	0.28951318
AD	MCI + Controls	GCST008414	Cannabis Use Disorder	Substance Abuse	rank sums	-1.06	0.28966653
AD	MCI + Controls	GCST001633	Glioma	Central Nervous System Cancer	Mann Whitney U Test	61479.00	0.28977178
AD	MCI + Controls	GCST000529	Ulcerative Colitis	Ulcerative Colitis	Mann Whitney U Test	61377.50	0.29057338
AD	MCI + Controls	GCST007508	Self-Reported Childhood Asthma In Adult Smokers	Smoking Status Measurement	Mann Whitney U Test	160830.00	0.2920073
AD	MCI + Controls	GCST000425	Multiple Sclerosis	Multiple Sclerosis	Mann Whitney U Test	62464.00	0.29362892
AD	MCI + Controls	GCST001051	Follicular Lymphoma	Neoplasm Of Mature B-Cells	rank sums	-1.05	0.29390728
AD	MCI + Controls	GCST000338	Coronary Heart Disease	Coronary Heart Disease	Mann Whitney U Test	26807.50	0.29424614
AD	MCI + Controls	GCST001683	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	54581.00	0.29476472
AD	MCI + Controls	GCST002516	Frontotemporal Dementia	Frontotemporal Dementia	rank sums	-1.05	0.29524896
AD	MCI + Controls	GCST002673	Febrile Seizures (Mmr Vaccine-Unrelated)	Febrile Seizure (Within The Age Range Of 3 Months To 6 Years)	Mann Whitney U Test	53340.50	0.29710641
AD	MCI + Controls	GCST003051	Multiple Myeloma (Survival)	Multiple Myeloma	Mann Whitney U Test	3040.00	0.29757804
AD	MCI + Controls	GCST000037	Breast Cancer	Breast Carcinoma	rank sums	1.04	0.29762365
AD	MCI + Controls	GCST006282	Diabetic Macular Edema In Type 2 Diabetes	Type Ii Diabetes Mellitus	rank sums	1.04	0.29833265
AD	MCI + Controls	GCST005158	Overall Survival In Osteosarcoma	Osteosarcoma	Mann Whitney U Test	218648.00	0.29843588
AD	MCI + Controls	GCST004028	Immunoglobulin Light Chain (Al) Amyloidosis	Al Amyloidosis	Mann Whitney U Test	56733.00	0.29884882
AD	MCI + Controls	GCST009657	Hypertriglyceridemia	Hypertriglyceridemia	Mann Whitney U Test	1053.00	0.29986808
AD	MCI + Controls	GCST009661	Low Hdl-Cholesterol Levels	High Density Lipoprotein Cholesterol Measurement	Mann Whitney U Test	1053.00	0.29986808
AD	MCI + Controls	GCST009662	Hypertriglyceridemia	Hypertriglyceridemia	Mann Whitney U Test	1053.00	0.29986808
AD	MCI + Controls	GCST010729	Triglyceride Levels	Triglyceride Measurement	Mann Whitney U Test	1053.00	0.29986808
AD	MCI + Controls	GCST009663	Metabolic Syndrome	Metabolic Syndrome	Mann Whitney U Test	1053.00	0.2998680

AD	MCI + Controls	GCST007799	Asthma (Adult Onset)	Adult Onset Asthma	Mann Whitney U Test	56897.00	0.32702333
AD	MCI + Controls	GCST003524	Endometrial Cancer	Endometrial Carcinoma	Mann Whitney U Test	62376.00	0.32720125
AD	MCI + Controls	GCST009083	Bacterial Meningitis	Bacterial Meningitis	rank sums	0.98	0.32726752
AD	MCI + Controls	GCST000270	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	62369.50	0.32761743
AD	MCI + Controls	GCST003799	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	56900.50	0.32764695
AD	MCI + Controls	GCST003471	Myocardial Infarction	Myocardial Infarction	Mann Whitney U Test	62372.00	0.32789645
AD	MCI + Controls	GCST010009	Major Depressive Disorder (Lifetime)	Unipolar Depression	rank sums	-0.98	0.32941005
AD	MCI + Controls	GCST007220	Schizophrenia And Type 2 Diabetes	Type Ii Diabetes Mellitus	rank sums	-0.97	0.33000085
AD	MCI + Controls	GCST009237	Asthma (Childhood Onset)	Childhood Onset Asthma	rank sums	0.97	0.33024401
AD	MCI + Controls	GCST006462	Uterine Fibroids	Uterine Fibroid	Mann Whitney U Test	56917.50	0.33066145
AD	MCI + Controls	GCST010936	Covid-19 (Critical Illness Vs. Population)	Covid-19	Mann Whitney U Test	61699.50	0.33312809
AD	MCI + Controls	GCST003377	Venous Thromboembolism	Venous Thromboembolism	Mann Whitney U Test	1643.00	0.33315064
AD	MCI + Controls	GCST001787	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	62235.00	0.33317167
AD	MCI + Controls	GCST010298	Metopic Nonsyndromic Craniosynostosis	Metopic Craniosynostosis	rank sums	0.97	0.33317909
AD	MCI + Controls	GCST004879	Sjvðgren's Syndrome	Sjogren Syndrome	Mann Whitney U Test	51611.50	0.33445931
AD	MCI + Controls	GCST008788	Adolescent Idiopathic Scoliosis	Adolescent Idiopathic Scoliosis	Mann Whitney U Test	62335.00	0.33449793
AD	MCI + Controls	GCST000019	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	5213.00	0.33533441
Objective Response To Lithium Treatment In Bipolar Disorder				Response To Lithium Ion	Mann Whitney U Test	147240.00	0.3356799
AD	MCI + Controls	GCST007367	Meconium Ileus In Cystic Fibrosis	Cystic Fibrosis Associated Meconium Ileus	Mann Whitney U Test	62326.50	0.33600281
AD	MCI + Controls	GCST006390	Biliary Atresia	Biliary Atresia	Mann Whitney U Test	55139.50	0.33671788
AD	MCI + Controls	GCST007050	Gallstone Disease	Gallstones	Mann Whitney U Test	25704.00	0.33697749
AD	MCI + Controls	GCST000797	Endometriosis	Endometriosis	Mann Whitney U Test	14307.50	0.33753287
AD	MCI + Controls	GCST006092	Double-				

AD	MCI + Controls	GCST000010	Nicotine Dependence	Nicotine Dependence	rank sums	0.90	0.36667765
AD	MCI + Controls	GCST001894	Endometriosis	Endometriosis	Mann Whitney U Test	62155.50	0.36765114
AD	MCI + Controls	GCST002378	Thyroid Peroxidase Antibody Positivity	Thyroid Peroxidase Antibody Measurement	Mann Whitney U Test	57124.50	0.36879894
AD	MCI + Controls	GCST008435	Response To Hepatitis B Vaccine	Response To Vaccine	rank sums	-0.90	0.36883216
AD	MCI + Controls	GCST001420	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	57182.00	0.36891751
AD	MCI + Controls	GCST004143	Hypertension	Hypertension	rank sums	0.90	0.36910351
AD	MCI + Controls	GCST008833	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	57138.50	0.37147456
AD	MCI + Controls	GCST90011816	Cervical Cancer	Cervical Carcinoma	Mann Whitney U Test	62134.50	0.37162683
AD	MCI + Controls	GCST000653	Age-Related Macular Degeneration	Age-Related Macular Degeneration	Mann Whitney U Test	53266.00	0.37199972
AD	MCI + Controls	GCST005947	Cleft Palate	Cleft Palate	Mann Whitney U Test	59445.50	0.37263476
AD	MCI + Controls	GCST009516	Non-Del(5q) Myelodysplastic Syndromes	Myelodysplastic Syndrome	Mann Whitney U Test	62125.00	0.37348142
AD	MCI + Controls	GCST005518	Premature Menopause In Childhood Cancer Survivors	Primary Ovarian Insufficiency	Mann Whitney U Test	62123.50	0.37364989
AD	MCI + Controls	GCST004737	Neovascular Age-Related Macular Degeneration	Wet Macular Degeneration	Mann Whitney U Test	242744.00	0.37373613
AD	MCI + Controls	GCST002604	Schizophrenia (Treatment Resistant)	Treatment Refractory Schizophrenia	rank sums	-0.89	0.3739478
AD	MCI + Controls	GCST008860	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	57161.00	0.37579818
AD	MCI + Controls	GCST000172	Lung Cancer	Lung Carcinoma	Mann Whitney U Test	42367.00	0.37677124
AD	MCI + Controls	GCST005930	Hyperemesis Gravidarum	Hyperemesis Gravidarum	rank sums	0.88	0.37740742
AD	MCI + Controls	GCST006423	Fractures	Bone Fracture	Mann Whitney U Test	62104.00	0.37752271
AD	MCI + Controls	GCST003976	Antineutrophil Cytoplasmic Antibody-Associated Vasculitis	Anti-Neutrophil Antibody Associated Vasculitis	Mann Whitney U Test	50743.50	0.37791246
AD	MCI + Controls	GCST001144	Dupuytren's Disease	Dupuytren Contracture	Mann Whitney U Test	54204.00	0.37956239
AD	MCI + Controls	GCST009665	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	62092.50	0.37976429
AD	MCI + Controls	GCST002230	Barrett's Esophagus	Barrett's Esophagus	Mann Whitney U Test	57184.50	0.38008075
AD	MCI + Controls	GCST005057	Small Vessel Stroke	Small Vessel Stroke	Mann Whitney U Test		

Barrett's Esophagus X Pack-Years Of Smoking							
AD	MCI + Controls	GCST006528	Exposure Interaction	Pack-Years Measurement	Mann Whitney U Test	232320.00	0.40920964
AD	MCI + Controls	GCST008772	Suicide	Suicide	Mann Whitney U Test	57080.00	0.40994715
AD	MCI + Controls	GCST000343	Breast Cancer	Breast Carcinoma	rank sums	-0.82	0.41008693
AD	MCI + Controls	GCST008391	Glaucoma (Primary Open-Angle)	Open-Angle Glaucoma	rank sums	-0.82	0.41020281
Attention Deficit Hyperactivity							
AD	MCI + Controls	GCST010289	Attention Deficit Hyperactivity Disorder (Childhood)	Disorder	Mann Whitney U Test	61937.50	0.41033039
AD	MCI + Controls	GCST006395	Glaucoma	Glaucoma	Mann Whitney U Test	61937.50	0.41057861
AD	MCI + Controls	GCST002125	Ige Levels In Asthmatics (D.f. Specific)	Serum Ige Measurement	Mann Whitney U Test	216164.00	0.41158246
AD	MCI + Controls	GCST001040	Endometrial Cancer	Endometrial Neoplasm	rank sums	0.82	0.41219675
AD	MCI + Controls	GCST003017	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	57346.50	0.41261593
Trauma Exposure In Major Depressive Disorder-							
AD	MCI + Controls	GCST009984	Negative Individuals	Response To Trauma Exposure	Mann Whitney U Test	57347.00	0.41271838
AD	MCI + Controls	GCST003252	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	57351.00	0.41353527
AD	MCI + Controls	GCST002751	Spontaneous Preterm Birth (Preterm Birth)	Spontaneous Preterm Birth	rank sums	-0.82	0.41397363
AD	MCI + Controls	GCST003063	Neuropathic Pain In Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	75096.00	0.41402133
AD	MCI + Controls	GCST007364	Gallstone Disease	Gallstones	Mann Whitney U Test	4056.00	0.41457333
AD	MCI + Controls	GCST000012	Type 2 Diabetes	Type Ii Diabetes Mellitus	rank sums	-0.82	0.41459351
AD	MCI + Controls	GCST002411	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	61908.50	0.41648249
AD	MCI + Controls	GCST002909	Gout	Gout	Mann Whitney U Test	26288.00	0.41659914
AD	MCI + Controls	GCST004902	Parkinson's Disease	Parkinson's Disease	Mann Whitney U Test	61907.00	0.41681242
Airway Obstruction (Fev1/Fvc<Lower Limit Of							
AD	MCI + Controls	GCST008246	Normal) In Never Smokers	Smoking Status Measurement	Mann Whitney U Test	90702.00	0.41731177
AD	MCI + Controls	GCST000601	Type 2 Diabetes	Type			

AD	MCI + Controls	GCST002811	Nonsyndromic Cleft Lip With Or Without Cleft Palate	Cleft Palate	Mann Whitney U Test	244620.00	0.44228437
AD	MCI + Controls	GCST004983	Parental Lifespan	Parental Longevity	rank sums	-0.77	0.44282799
AD	MCI + Controls	GCST002181	Adverse Response To Chemotherapy In Breast Cancer (Alopecia)	Chemotherapy-Induced Alopecia	Mann Whitney U Test	20749.00	0.44317904
AD	MCI + Controls	GCST010174	Pelvic Organ Prolapse	Pelvic Organ Prolapse	Mann Whitney U Test	61778.50	0.44368166
AD	MCI + Controls	GCST002022	Testicular Germ Cell Tumor	Testicular Carcinoma	Mann Whitney U Test	61776.00	0.44421458
AD	MCI + Controls	GCST006365	Upper Eyelid Sagging Severity	Eyelid Sagging Measurement	rank sums	-0.77	0.44421954
AD	MCI + Controls	GCST004419	Mucinous Ovarian Carcinoma	Ovarian Mucinous Adenocarcinoma	Mann Whitney U Test	54632.00	0.44523402
AD	MCI + Controls	GCST006048	Rheumatoid Arthritis (Acpa-Positive)	Rheumatoid Arthritis	Mann Whitney U Test	61760.00	0.4476305
AD	MCI + Controls	GCST000650	Systemic Sclerosis	Systemic Scleroderma	Mann Whitney U Test	14197.50	0.44889768
AD	MCI + Controls	GCST003152	White Matter Lesion Progression (Adjusted For White Matter Lesion Burden At Baseline)	White Matter Lesion Progression Measurement	Mann Whitney U Test	56667.50	0.4492745
AD	MCI + Controls	GCST000035	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	55328.00	0.44929075
AD	MCI + Controls	GCST003182	Staphylococcus Aureus Nasal Carriage (Persistent)	Persistent Staphylococcus Aureus Carrier Status	Mann Whitney U Test	57554.00	0.44970032
AD	MCI + Controls	GCST001795	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	61749.50	0.44988026
AD	MCI + Controls	GCST004201	Gallbladder Cancer	Gallbladder Neoplasm	rank sums	-0.75	0.45109588
AD	MCI + Controls	GCST006153	Parkinsonism In Frontotemporal Lobe Dementia	Parkinson's Disease	Mann Whitney U Test	217478.00	0.45153329
AD	MCI + Controls	GCST004298	Atrial Fibrillation	Atrial Fibrillation	rank sums	-0.75	0.4516745
AD	MCI + Controls	GCST006089	Prostate Cancer (Early Onset)	Prostate Carcinoma	Mann Whitney U Test	57541.00	0.4533835
AD	MCI + Controls	GCST006061	Atrial Fibrillation	Atrial Fibrillation	Mann Whitney U Test	57544.00	0.45407536
AD	MCI + Controls	GCST002217	Sjvðgren's Syndrome	Sjogren Syndrome	Mann Whitney U Test	43844.50	0.45472901
AD	MCI + Controls	GCST000169	Colorectal Cancer	Colorectal Cancer	rank sums	0.75	0.45531459
AD	MCI + Controls	GCST001588	Periodontal Microbiota	Periodontitis	Mann Whitney U Test	57550.00	0.45537053
AD	MCI + Controls	GCST007619	Temporomandibular Joint Disorder	Temporomandibular Joint Disorder	Mann Whitney U Test	48.00	0.45554509
AD	MCI + Controls	GCST001					

AD	MCI + Controls	GCST009874	Celiac Disease	Celiac Disease	Mann Whitney U Test	61623.00	0.47748292
AD	MCI + Controls	GCST001433	Duodenal Ulcer	Duodenal Ulcer	rank sums	-0.71	0.47773185
AD	MCI + Controls	GCST005870	Meningioma	Meningioma	rank sums	-0.71	0.47815044
AD	MCI + Controls	GCST002972	Suicide Attempts In Major Depressive Disorder	Unipolar Depression	rank sums	-0.71	0.47828356
AD	MCI + Controls	GCST005838	Stroke	Stroke	Mann Whitney U Test	57660.00	0.47851502
AD	MCI + Controls	GCST001298	Breast Cancer	Breast Carcinoma	rank sums	-0.71	0.47870197
AD	MCI + Controls	GCST002014	Helicobacter Pylori Serologic Status	Anti-Helicobacter Pylori Serum Igg Measurement	rank sums	-0.71	0.47984962
AD	MCI + Controls	GCST003726	Basal Cell Carcinoma	Basal Cell Carcinoma	Mann Whitney U Test	61607.00	0.48103919
AD	MCI + Controls	GCST000192	Blue Vs. Green Eyes	Eye Color	rank sums	-0.70	0.48165896
AD	MCI + Controls	GCST000632	Longevity	Longevity	rank sums	-0.70	0.48248943
AD	MCI + Controls	GCST004249	Alzheimer's Disease In Apoe E4- Carriers	Alzheimer's Disease	rank sums	0.70	0.48261057
AD	MCI + Controls	GCST007737	Anti-Sp100 Seropositivity In Primary Biliary Cholangitis	Primary Biliary Cirrhosis	Mann Whitney U Test	31184.00	0.4829893
AD	MCI + Controls	GCST010857	Amyotrophic Lateral Sclerosis	Amyotrophic Lateral Sclerosis	rank sums	0.70	0.48486197
AD	MCI + Controls	GCST003268	Psoriasis Vulgaris	Psoriasis Vulgaris	Mann Whitney U Test	57686.00	0.48528072
AD	MCI + Controls	GCST005716	Type 2 Diabetes	Type II Diabetes Mellitus	rank sums	0.70	0.48535225
AD	MCI + Controls	GCST90001385	Creutzfeldt-Jakob Disease (Sporadic)	Sporadic Creutzfeldt Jacob Disease	Mann Whitney U Test	60771.50	0.48566632
AD	MCI + Controls	GCST010506	Deliberate Self-Harm	Self-Injurious Behavior	Mann Whitney U Test	57688.00	0.48572816
AD	MCI + Controls	GCST002969	Suicide Behavior	Suicide Behaviour	Mann Whitney U Test	56153.50	0.48686549
AD	MCI + Controls	GCST003738	Barrett's Esophagus	Barrett's Esophagus	Mann Whitney U Test	57697.00	0.48753954
AD	MCI + Controls	GCST009102	Resistant Hypertension	Treatment-Resistant Hypertension	Mann Whitney U Test	26565.00	0.48769872
AD	MCI + Controls	GCST002158	Acute Lymphoblastic Leukemia (B-Cell Precursor)	B-Cell Acute Lymphoblastic Leukemia	rank sums	-0.69	0.48809406
AD	MCI + Controls	GCST002880	Recalcitrant Atopic Dermatitis	Recalcitrant Atopic Dermatitis	Mann Whitney U Test	57726.50	0.48835057
AD	MCI + Controls	GCST007551	Behcet's Disease	Behcet's Syndrome	rank sums	-0.69	0.48914794
AD	MCI + Controls	GCST0059					

			Alloimmunization Response To Red Blood Cell	Response To Red Blood Cell			
AD	MCI + Controls	GCST002691	Transfusion In Sickle Cell Anemia	Transfusion	rank sums	0.66	0.5110931
AD	MCI + Controls	GCST004753	Papillary Thyroid Cancer	Papillary Thyroid Carcinoma	Mann Whitney U Test	61470.50	0.51195252
AD	MCI + Controls	GCST003103	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	rank sums	-0.65	0.51273813
AD	MCI + Controls	GCST003776	Lung Adenocarcinoma	Lung Adenocarcinoma	rank sums	-0.65	0.51334175
AD	MCI + Controls	GCST001963	Alzheimer's Disease (Late Onset)	Alzheimer's Disease	Mann Whitney U Test	10.00	0.51362911
AD	MCI + Controls	GCST001662	Generalized Epilepsy	Epilepsy	Mann Whitney U Test	57813.00	0.51414177
AD	MCI + Controls	GCST006986	Red Vs. Brown/Black Hair Color	Hair Color	Mann Whitney U Test	61460.50	0.51425997
AD	MCI + Controls	GCST001581	Coronary Heart Disease	Coronary Heart Disease	rank sums	0.65	0.51612433
AD	MCI + Controls	GCST001919	Type 2 Diabetes	Type II Diabetes Mellitus	rank sums	-0.65	0.51617192
AD	MCI + Controls	GCST010274	Gout (Combined Type)	Gout	Mann Whitney U Test	57827.50	0.51736741
AD	MCI + Controls	GCST001310	Allergic Rhinitis	Seasonal Allergic Rhinitis	Mann Whitney U Test	57829.50	0.51795572
AD	MCI + Controls	GCST001548	Male-Pattern Baldness	Androgenetic Alopecia	Mann Whitney U Test	61444.00	0.51806926
AD	MCI + Controls	GCST005591	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	57832.50	0.5186544
AD	MCI + Controls	GCST008311	Lymphangioleiomyomatosis (Sporadic)	Lymphangioleiomyomatosis	rank sums	0.64	0.51947982
AD	MCI + Controls	GCST007443	Nasal Polyps	Nasal Cavity Polyp	Mann Whitney U Test	57837.00	0.51969807
			Pyoderma Gangrenosum In Inflammatory Bowel Disease	Pyoderma Gangrenosum			
AD	MCI + Controls	GCST002379			Mann Whitney U Test	216032.00	0.51985353
AD	MCI + Controls	GCST002025	Cystic Fibrosis-Related Diabetes	Type II Diabetes Mellitus	rank sums	-0.64	0.52010638
			Asthma (Time To Childhood Onset) In Early Life	Environmental Tobacco Smoke			
AD	MCI + Controls	GCST009236	Tobacco Smoke Exposure	Exposure Measurement	rank sums	0.64	0.52087762
AD	MCI + Controls	GCST90011807	Esophageal Or Stomach Cancer	Esophageal Carcinoma	Mann Whitney U Test	149094.00	0.52239991
AD	MCI + Controls	GCST001865	Aortic-Valve Calcification	Aortic Valve Calcification	Mann Whitney U Test	1050.00	0.5238636
AD							

AD	MCI + Controls	GCST001947	Alzheimer's Disease (Late Onset)	Alzheimer's Disease	rank sums	0.60	0.54586717
AD	MCI + Controls	GCST003027	Cough In Response To Angiotensin-Converting Enzyme Inhibitor Drugs	Response To Angiotensin-Converting Enzyme Inhibitor	rank sums	0.60	0.54620596
AD	MCI + Controls	GCST003083	Glucocorticoid-Induced Osteonecrosis (Time Dependent Analysis)	Response To Glucocorticoid	rank sums	0.60	0.54643968
AD	MCI + Controls	GCST003081	Glucocorticoid-Induced Osteonecrosis (Age 10 Years And Older)	Response To Glucocorticoid	rank sums	0.60	0.54643968
AD	MCI + Controls	GCST003132	Eating Disorder In Bipolar Disorder	Eating Disorder	Mann Whitney U Test	223694.00	0.54723772
AD	MCI + Controls	GCST003342	Glaucoma (Primary Open-Angle)	Open-Angle Glaucoma	Mann Whitney U Test	61202.50	0.54788583
AD	MCI + Controls	GCST000027	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	54917.50	0.54815189
AD	MCI + Controls	GCST007512	Benign Prostatic Hyperplasia And Lower Urinary Tract Symptoms (Prostate Cancer Excluded)	Lower Urinary Tract Symptom	Mann Whitney U Test	233804.00	0.54837032
AD	MCI + Controls	GCST003817	Mortality In Sepsis	Sepsis	Mann Whitney U Test	242116.00	0.54846316
AD	MCI + Controls	GCST90010715	Arthritis (Juvenile Idiopathic)	Juvenile Idiopathic Arthritis	Mann Whitney U Test	61313.50	0.54875536
AD	MCI + Controls	GCST001012	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	10761.50	0.54948838
AD	MCI + Controls	GCST003178	Event Free Survival In Diffuse Large B-Cell Lymphoma Treated With Immunotherapy	Response To Immunotherapy	rank sums	0.60	0.54984553
AD	MCI + Controls	GCST005013	Childhood Ear Infection	Susceptibility To Childhood Ear Infection Measurement	Mann Whitney U Test	57966.00	0.55005384
AD	MCI + Controls	GCST002890	Prostate Cancer	Prostate Carcinoma	Mann Whitney U Test	57967.50	0.55042614
AD	MCI + Controls	GCST001140	Lung Cancer	Lung Carcinoma	Mann Whitney U Test	59795.00	0.55049263
AD	MCI + Controls	GCST000985	Bipolar Disorder	Bipolar Disorder	rank sums	-0.60	0.55147896
AD	MCI + Controls	GCST010457	Leprosy	Leprosy	Mann Whitney U Test	61194.00	0.55191923
AD	MCI + Controls	GCST002232	Esophageal Adenocarcinoma	Esophageal Adenocarcinoma	Mann Whitney U Test	57992.00	0.55378576
AD	MCI + Controls	GCST002919	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	57985.00	0.55461351
AD	MCI + Controls	GCST005042	Restless Legs Syndrome	Restless Legs Syndrome	Mann Whitney U Test	61288.00	0.55485352
AD	MCI + Controls	GCST005014	Tonsillectomy	Tonsillectomy Risk Measurement	Mann Whitney U Test	57989.50	0.55569184
AD	MCI + Controls	GCST000539	Type 1 Diabetes	Type I Diabetes Mellitus	rank sums	-0.59	0.55589408
AD	MCI + Controls	GCST006281					

Asparaginase-Induced Acute Pancreatitis In Acute							
AD	MCI + Controls	GCST003501	Lymphoblastic Leukemia (Onset Time)	Pancreatitis	Mann Whitney U Test	10.00	0.5737754
AD	MCI + Controls	GCST002140	Multiple Myeloma	Multiple Myeloma	Mann Whitney U Test	60678.50	0.5747639
AD	MCI + Controls	GCST009380	Type 2 Diabetes (Adjusted For Bmi)	Type Ii Diabetes Mellitus	Mann Whitney U Test	58069.00	0.57491771
AD	MCI + Controls	GCST010436	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	32975.00	0.57492511
Attention Deficit Hyperactivity							
AD	MCI + Controls	GCST006916	Attention Deficit Hyperactivity Disorder	Disorder	Mann Whitney U Test	43444.50	0.57524179
AD	MCI + Controls	GCST003155	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	61202.50	0.57553856
AD	MCI + Controls	GCST001992	Vitiligo (Non-Segmental)	Vitiligo	Mann Whitney U Test	651.00	0.57629907
AD	MCI + Controls	GCST000055	Gallstone Disease	Gallstones	Mann Whitney U Test	1014.00	0.57634075
AD	MCI + Controls	GCST000777	Esophageal Cancer And Gastric Cancer	Esophageal Carcinoma	Mann Whitney U Test	97378.50	0.57645794
AD	MCI + Controls	GCST008870	Keratinocyte Cancer (Mtag)	Keratinocyte Carcinoma	Mann Whitney U Test	58076.00	0.57663726
AD	MCI + Controls	GCST005934	Neuropathic Pain In Head And Neck Cancer	Neuropathic Pain	Mann Whitney U Test	95486.00	0.5768071
AD	MCI + Controls	GCST003922	Parkinson's Disease	Parkinson's Disease	Mann Whitney U Test	47263.00	0.57785769
Attention Deficit Hyperactivity							
AD	MCI + Controls	GCST007543	Attention Deficit Hyperactivity Disorder	Disorder	Mann Whitney U Test	61190.50	0.57846928
AD	MCI + Controls	GCST000721	Endometriosis	Endometriosis	Mann Whitney U Test	61061.00	0.58125993
AD	MCI + Controls	GCST006521	Pemphigus Vulgaris	Pemphigus Vulgaris	Mann Whitney U Test	45159.00	0.5812911
Depressive Symptom Measurement							
AD	MCI + Controls	GCST007297	Psychological Distress	Depressive Symptom Measurement	Mann Whitney U Test	61178.50	0.58132495
AD	MCI + Controls	GCST005932	Glioblastoma	Glioma	Mann Whitney U Test	58098.00	0.58200308
AD	MCI + Controls	GCST005172	Coronary Artery Disease	Coronary Heart Disease	Mann Whitney U Test	32179.00	0.58245716
AD	MCI + Controls	GCST001563	Migraine	Migraine Disorder	Mann Whitney U Test	57715.00	0.58248904
AD	MCI + Controls	GCST002149	Schizophrenia	Schizophrenia	Mann Whitney U Test</		

AD	MCI + Controls	GCST009797	Alcohol Consumption (Heavy Vs. Light/Non-Drinkers)	Alcohol Consumption Measurement	rank sums	0.51	0.60808115
AD	MCI + Controls	GCST001884	Age-Related Macular Degeneration	Age-Related Macular Degeneration	Mann Whitney U Test	58205.00	0.60854549
AD	MCI + Controls	GCST009887	Behcet's Disease	Behcet's Syndrome	rank sums	-0.51	0.60862664
AD	MCI + Controls	GCST004299	Atrial Fibrillation	Atrial Fibrillation	rank sums	-0.51	0.60971061
AD	MCI + Controls	GCST000506	Lung Adenocarcinoma	Lung Adenocarcinoma	Mann Whitney U Test	58254.50	0.61045777
AD	MCI + Controls	GCST000691	Partial Epilepsies	Partial Epilepsy	rank sums	0.51	0.61091504
			Decreased Fine Motor Function In Charcot-Marie-Tooth Disease 1a (Eating With Utensils)	Decreased Fine Motor Function	rank sums	0.51	0.61182048
AD	MCI + Controls	GCST007354	Intracranial Aneurysm	Brain Aneurysm	Mann Whitney U Test	58220.50	0.61243165
AD	MCI + Controls	GCST000410	Malaria	Malaria	rank sums	0.51	0.61259781
AD	MCI + Controls	GCST000051	Atrial Fibrillation/Atrial Flutter	Atrial Fibrillation	Mann Whitney U Test	9727.50	0.61287256
AD	MCI + Controls	GCST002547	Epilepsy	Epilepsy	Mann Whitney U Test	230819.50	0.61317616
AD	MCI + Controls	GCST009006	Bicuspid Aortic Valve Without Aortic Dilation	Bicuspid Aortic Valve	rank sums	-0.50	0.6140496
AD	MCI + Controls	GCST002978	Metastasis At Diagnosis In Osteosarcoma	Osteosarcoma	rank sums	0.50	0.61448316
AD	MCI + Controls	GCST001681	Rheumatoid Arthritis	Rheumatoid Arthritis	rank sums	0.50	0.61457506
AD	MCI + Controls	GCST001586	Insomnia (Caffeine-Induced)	Insomnia Measurement	rank sums	0.50	0.61463176
AD	MCI + Controls	GCST010476	Myocardial Infarction	Myocardial Infarction	Mann Whitney U Test	61041.00	0.61535572
AD	MCI + Controls	GCST008474	Peripheral Artery Disease	Peripheral Arterial Disease	Mann Whitney U Test	58234.00	0.61581962
AD	MCI + Controls	GCST000462	Response To Antipsychotic Treatment	Response To Antipsychotic Drug	rank sums	-0.50	0.61631106
AD	MCI + Controls	GCST005907	Major Depressive Disorder	Unipolar Depression	Mann Whitney U Test	61035.50	0.616953
			Venous Thromboembolism Adjusted For Sickle Cell Variant Rs77121243-T	Venous Thromboembolism	Mann Whitney U Test	58243.00	0.61809263
AD	MCI + Controls	GCST000596	Hiv-1 Progression	Hiv-1 Infection	rank sums	0.50	0.61825486
AD	MCI + Controls	GCST002562	Vogt-Koyanagi-Harada Syndrome	Vogt-Koyanagi-Harada Disease	Mann Whitney U Test	53367.00	0.61839846
AD	MCI + Controls	GCST001094	Response To Hepatitis C Treatment	Chronic Hepatitis C Virus Infection	rank sums	-0.50	0.618635

AD	MCI + Controls	GCST001455	Kawasaki Disease	Mucocutaneous Lymph Node Syndrome	Mann Whitney U Test	58356.50	0.64667029
AD	MCI + Controls	GCST000318	Basal Cell Carcinoma	Basal Cell Carcinoma	rank sums	-0.46	0.6479185
AD	MCI + Controls	GCST002563	Hypospadias	Hypospadias	Mann Whitney U Test	60913.00	0.64814673
AD	MCI + Controls	GCST004510	Sporadic Neuroblastoma	Neuroblastoma	Mann Whitney U Test	58362.50	0.64851628
AD	MCI + Controls	GCST000546	Leprosy	Leprosy	Mann Whitney U Test	58363.00	0.64861793
AD	MCI + Controls	GCST001652	Crohn's Disease	Crohn's Disease	Mann Whitney U Test	60909.50	0.64904315
AD	MCI + Controls	GCST000329	Essential Tremor	Essential Tremor	rank sums	-0.45	0.64915862
AD	MCI + Controls	GCST000682	Alzheimer's Disease	Alzheimer's Disease	rank sums	0.45	0.64939795
AD	MCI + Controls	GCST009403	Smoking Initiation (Ever Regular Vs Never Regular)	Smoking Status Measurement	Mann Whitney U Test	247.50	0.64943628
AD	MCI + Controls	GCST008752	Post-Term Birth	Birth Measurement	rank sums	0.45	0.64950163
AD	MCI + Controls	GCST007091	Osteoarthritis (Hip)	Osteoarthritis, Hip	Mann Whitney U Test	58367.00	0.64969075
AD	MCI + Controls	GCST010680	Acute Respiratory Distress Syndrome In Sepsis	Sepsis	rank sums	0.45	0.65027289
AD	MCI + Controls	GCST000250	Male-Pattern Baldness	Androgenetic Alopecia	rank sums	-0.45	0.65162103
AD	MCI + Controls	GCST000916	Endometriosis	Endometriosis	Mann Whitney U Test	57973.50	0.65163053
AD	MCI + Controls	GCST003925	Gout	Gout	Mann Whitney U Test	58375.00	0.65175085
AD	MCI + Controls	GCST002006	Adverse Response To Chemotherapy (Neutropenia/Leucopenia) (Paclitaxel + Carboplatin)	Response To Paclitaxel	Mann Whitney U Test	530190.00	0.6522253
AD	MCI + Controls	GCST003782	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	57188.00	0.65278457
AD	MCI + Controls	GCST006868	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	59141.00	0.65301706
AD	MCI + Controls	GCST004898	Preterm Birth (Maternal Effect)	Premature Birth	Mann Whitney U Test	242044.00	0.65303724
AD	MCI + Controls	GCST008550	Mental Health Study Participation (Completed Survey)	Health Study Participation	rank sums	-0.45	0.65334062
AD	MCI + Controls	GCST005928	Refractory Celiac Disease Type Ii	Refractory Celiac Disease	rank sums	0.45	0.65426413
AD	MCI + Controls	GCST001226	Asthma	Asthma	Mann Whitney U Test	44894.50	0.65454833
AD	MCI + Controls	GCST000					

Nevirapine-Induced Hypersensitivity In Hiv (Stevens-							
AD	MCI + Controls	GCST004115	Johnson Syndrome Or Toxic Epidermal Necrosis)	Stevens-Johnson Syndrome	rank sums	-0.42	0.67553254
AD	MCI + Controls	GCST000806	Age-Related Macular Degeneration	Age-Related Macular Degeneration	Mann Whitney U Test	21084.00	0.67553368
AD	MCI + Controls	GCST009716	Allergic Disease (Asthma, Hay Fever Or Eczema)	Eczema	Mann Whitney U Test	530662.50	0.67586156
AD	MCI + Controls	GCST010011	Help-Seeking From A Gp	Unipolar Depression	Welch's Two-Sample T-Te	0.42	0.67681082
AD	MCI + Controls	GCST003176	Asthma	Asthma	rank sums	0.42	0.67779673
Resistance To Antihypertensive Treatment In							
AD	MCI + Controls	GCST009103	Hypertension	Treatment-Resistant Hypertension	Mann Whitney U Test	122486.00	0.67830776
Nodular Sclerosis Hodgkin							
AD	MCI + Controls	GCST005211	Nodular Sclerosis Hodgkin Lymphoma	Lymphoma	Mann Whitney U Test	60689.50	0.67848756
AD	MCI + Controls	GCST009357	Nonsyndromic Cleft Lip	Cleft Lip	Mann Whitney U Test	60795.00	0.678785
AD	MCI + Controls	GCST002322	Asthma And Hay Fever	Seasonal Allergic Rhinitis	Mann Whitney U Test	241818.00	0.67909675
AD	MCI + Controls	GCST001769	Alcohol And Nicotine Co-Dependence	Alcohol And Nicotine Codependence	Mann Whitney U Test	18165.00	0.67922458
AD	MCI + Controls	GCST008226	Renal Cell Carcinoma	Renal Cell Carcinoma	Mann Whitney U Test	60775.50	0.6794984
AD	MCI + Controls	GCST004346	Psoriasis	Psoriasis	Mann Whitney U Test	58483.50	0.67996353
AD	MCI + Controls	GCST008606	Glucosuria (Mild)	Glycosuria	rank sums	0.41	0.68015305
AD	MCI + Controls	GCST001326	Type 2 Diabetes	Type Ii Diabetes Mellitus	rank sums	0.41	0.68015305
AD	MCI + Controls	GCST000049	Type 2 Diabetes	Type Ii Diabetes Mellitus	rank sums	0.41	0.68015305
AD	MCI + Controls	GCST004894	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	60788.00	0.68058265
AD	MCI + Controls	GCST003251	Late-Onset Myasthenia Gravis	Late-Onset Myasthenia Gravis	Mann Whitney U Test	58486.00	0.68059276
AD	MCI + Controls	GCST010836	Ischemic Stroke	Ischemic Stroke	Mann Whitney U Test	60702.00	0.68173138
AD	MCI + Controls	GCST002412	Non-Small Cell Lung Cancer (Recurrence Rate)	Non-Small Cell Lung Carcinoma	rank sums	-0.41	0.

AD	MCI + Controls	GCST005289	Hirschsprung Disease	Hirschsprung Disease	Mann Whitney U Test	32392.50	0.70510601
AD	MCI + Controls	GCST000491	Myopia (Pathological)	Pathological Myopia	rank sums	0.38	0.70514807
AD	MCI + Controls	GCST009381	Trastuzumab-Induced Cardiotoxicity In Cancer	Response To Trastuzumab	rank sums	-0.38	0.70571131
AD	MCI + Controls	GCST000909	Type 2 Diabetes Nephropathy	Diabetic Nephropathy	Mann Whitney U Test	58379.50	0.7059017
AD	MCI + Controls	GCST001042	Rheumatoid Arthritis	Rheumatoid Arthritis	rank sums	0.38	0.70617389
AD	MCI + Controls	GCST000796	Type 2 Diabetes	Type Ii Diabetes Mellitus	Mann Whitney U Test	60689.00	0.70623703
AD	MCI + Controls	GCST005811	Osteoarthritis (Self-Reported)	Osteoarthritis	Mann Whitney U Test	58583.50	0.70637127
AD	MCI + Controls	GCST000048	Celiac Disease	Celiac Disease	rank sums	-0.38	0.70687149
				Susceptibility To Bacterial Meningitis			
AD	MCI + Controls	GCST005010	Bacterial Meningitis	Measurement	rank sums	-0.38	0.70705679
AD	MCI + Controls	GCST001708	Systemic Lupus Erythematosus	Systemic Lupus Erythematosus	Mann Whitney U Test	60682.50	0.70761394
AD	MCI + Controls	GCST001881	Myopia (Pathological)	Pathological Myopia	Mann Whitney U Test	52402.50	0.70789923
AD	MCI + Controls	GCST008753	Early Spontaneous Preterm Birth	Spontaneous Preterm Birth	Mann Whitney U Test	2414.50	0.70937391
				Chronic Obstructive Pulmonary			
AD	MCI + Controls	GCST007692	Chronic Obstructive Pulmonary Disease	Disease	Mann Whitney U Test	58595.00	0.70943156
AD	MCI + Controls	GCST001912	Acute Lymphoblastic Leukemia (Childhood)	Acute Lymphoblastic Leukemia	Mann Whitney U Test	44163.50	0.70994919
AD	MCI + Controls	GCST002288	Large Artery Stroke	Large Artery Stroke	Mann Whitney U Test	52227.00	0.70995395
AD	MCI + Controls	GCST000645	Glaucoma	Glaucoma	rank sums	-0.37	0.71063034
				Methamphetamine-Induced			
AD	MCI + Controls	GCST001975	Psychosis (Methamphetamine Induced)	Psychosis	rank sums	0.37	0.71113543
AD	MCI + Controls	GCST002080	Migraine With Aura	Migraine With Aura	Mann Whitney U Test	120733.50	0.7112724
				Diabetic Maculopathy With Decreased Visual Acuity			
AD	MCI + Controls	GCST008545	In Type 2 Diabetes	Visual Acuity Measurement	Mann Whitney U Test	96079.50	0.71128296
AD	MCI + Controls	GCST009717	Hay Fever And/Or Eczema	Eczema	Mann Whitney U Test	241468.00	0.71182231
AD	MCI + Controls	GCST002657	Acute Lymphoblastic Leukemia (Childhood)	Acute Lymphoblastic Leukemia	rank sums	-0.37	0.71196029
				Mucocutaneous Lymph Node			

AD	MCI + Controls	GCST004227	Obstetric Antiphospholipid Syndrome	Antiphospholipid Syndrome	Mann Whitney U Test	58788.00	0.76145558
AD	MCI + Controls	GCST000681	Biliary Atresia	Biliary Atresia	Mann Whitney U Test	48268.50	0.76272364
AD	MCI + Controls	GCST001629	Response To Platinum-Based Chemotherapy In Non-Small-Cell Lung Cancer	Response To Platinum Based Chemotherapy	Mann Whitney U Test	235866.00	0.76337796
AD	MCI + Controls	GCST000256	Lung Cancer	Lung Carcinoma	rank sums	0.30	0.76351784
AD	MCI + Controls	GCST004300	Incident Atrial Fibrillation	Atrial Fibrillation	Mann Whitney U Test	58022.50	0.76387665
AD	MCI + Controls	GCST007200	Radiation-Induced Brain Injury In Nasopharyngeal Carcinoma	Response To Radiation	rank sums	0.30	0.76392308
AD	MCI + Controls	GCST000952	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	60474.50	0.76458124
AD	MCI + Controls	GCST001621	Airflow Obstruction	Pulmonary Function Measurement	Mann Whitney U Test	60474.50	0.76458627
AD	MCI + Controls	GCST002814	Alzheimer's Disease (ApoE E4 Interaction)	Alzheimer's Disease	Mann Whitney U Test	236190.00	0.76511203
AD	MCI + Controls	GCST002954	Alzheimer's Disease (Late Onset)	Alzheimer's Disease	Mann Whitney U Test	58877.50	0.76610984
AD	MCI + Controls	GCST000238	Idiopathic Pulmonary Fibrosis	Idiopathic Pulmonary Fibrosis	rank sums	0.30	0.76653272
AD	MCI + Controls	GCST000040	Rheumatoid Arthritis	Rheumatoid Arthritis	Mann Whitney U Test	58705.50	0.76665452
AD	MCI + Controls	GCST009502	Subpleural-Predominant Interstitial Lung Abnormalities	Interstitial Lung Disease	Mann Whitney U Test	53962.50	0.76751807
AD	MCI + Controls	GCST001339	Corneal Astigmatism	Astigmatism	Mann Whitney U Test	44936.50	0.76768197
AD	MCI + Controls	GCST000308	Aids Progression	Aids	rank sums	-0.30	0.76776315
AD	MCI + Controls	GCST001836	Schizophrenia (Negative Symptoms)	Schizophrenia	Mann Whitney U Test	39954.50	0.76954816
AD	MCI + Controls	GCST004290	Multiple Sclerosis	Multiple Sclerosis	Mann Whitney U Test	58819.00	0.76973802
AD	MCI + Controls	GCST001559	Early Cardiac Repolarization	Early Cardiac Repolarization Measurement	Mann Whitney U Test	20257.00	0.77143364
AD	MCI + Controls	GCST000257	Lung Cancer	Lung Carcinoma	rank sums	-0.29	0.77147949
AD	MCI + Controls	GCST004415	Invasive Epithelial Ovarian Cancer	Ovarian Carcinoma	Mann Whitney U Test	60446.50	0.77224639
AD	MCI + Controls	GCST008465	Anorexia Nervosa	Anorexia Nervosa	Mann Whitney U Test	60231.50	0.77372912
AD	MCI + Controls	GCST000408	Primary Biliary Cholangitis	Biliary Liver Cirrhosis	Mann Whitney U Test	54074.00	0.77425122
AD	MCI + Controls	GCST009660	High Fasting Blood Glucose	Fasting Blood Glucose Measurement	rank sums		

AD	MCI + Controls	GCST007948	Kanno Antigen Negativity	Kanno Antigen Measurement	rank sums	-0.26	0.7969185
AD	MCI + Controls	GCST000119	Freckles	Freckles	Mann Whitney U Test	53918.00	0.7970264
AD	MCI + Controls	GCST90000256	Severe Covid-19 Infection With Respiratory Failure (Analysis II)	Covid-19	rank sums	0.26	0.79720323
AD	MCI + Controls	GCST90000256	Severe Covid-19 Infection With Respiratory Failure (Analysis I)	Covid-19	rank sums	0.26	0.79720323
AD	MCI + Controls	GCST004952	Ankle Injury	Ankle Injury	Mann Whitney U Test	60353.00	0.79796155
AD	MCI + Controls	GCST008663	Lung Function In Never Smokers (Low Fev1 Vs Average Fev1)	Smoking Status Measurement	rank sums	0.26	0.79821079
AD	MCI + Controls	GCST002256	Tooth Agenesis (Third Molar)	Tooth Agenesis	rank sums	0.25	0.79893495
AD	MCI + Controls	GCST000782	Migraine	Migraine Disorder	rank sums	0.25	0.79986844
AD	MCI + Controls	GCST006520	Pemphigus Foliaceus	Pemphigus Foliaceus	rank sums	-0.25	0.80001974
AD	MCI + Controls	GCST000122	Rheumatoid Arthritis	Rheumatoid Arthritis	rank sums	0.25	0.80052656
AD	MCI + Controls	GCST003725	Gallstone Disease	Gallstones	Mann Whitney U Test	58931.00	0.80066455
AD	MCI + Controls	GCST008117	Schizoaffective Disorder-Bipolar Type	Schizoaffective Disorder-Bipolar Type	Mann Whitney U Test	60026.00	0.802051
AD	MCI + Controls	GCST006719	Brca1/2-Negative High-Risk Breast Cancer	Brcax Breast Cancer	Mann Whitney U Test	60336.50	0.80252327
AD	MCI + Controls	GCST002240	Bladder Cancer	Bladder Carcinoma	Mann Whitney U Test	58938.50	0.80279205
AD	MCI + Controls	GCST002036	Congenital Heart Malformation	Congenital Heart Malformation	rank sums	-0.25	0.80287129
AD	MCI + Controls	GCST007734	Incident Chronic Kidney Disease	Chronic Kidney Disease	Mann Whitney U Test	38977.50	0.80426494
AD	MCI + Controls	GCST000335	Thyroid Cancer	Thyroid Carcinoma	rank sums	-0.25	0.80606971
AD	MCI + Controls	GCST000946	Myocardial Infarction In Coronary Artery Disease	Myocardial Infarction	rank sums	0.24	0.80645926
AD	MCI + Controls	GCST002354	Anorexia Nervosa	Anorexia Nervosa	Mann Whitney U Test	27361.50	0.80680677
AD	MCI + Controls	GCST001209	Osteoarthritis	Osteoarthritis	rank sums	0.24	0.80715418
AD	MCI + Controls	GCST001567	Bipolar Disorder And Schizophrenia	Schizophrenia	Mann Whitney U Test	240458.00	0.80895497
AD	MCI + Controls	GCST004144	Thyroid Cancer	Thyroid Carcinoma	Mann Whitney U Test	60312.00	0.80930896
AD	MCI + Controls	GCST001917	Ovarian Cancer In Brca1 Mutation Carriers	Ovarian Carcinoma	Mann Whitney U Test	59418.00	0.80951743
AD							

Thiopurine-Induced Leukopenia In Inflammatory							
AD	MCI + Controls	GCST003603	Bowel Disease	Response To Thiopurine	rank sums	0.22	0.82653348
				Susceptibility To Hepatitis B			
AD	MCI + Controls	GCST005004	Hepatitis B	Infection Measurement	rank sums	-0.22	0.82775169
AD	MCI + Controls	GCST008225	Renal Cell Carcinoma	Renal Cell Carcinoma	rank sums	0.22	0.82815301
AD	MCI + Controls	GCST002884	Cutaneous Lupus Erythematosus	Cutaneous Lupus Erythematosus	Mann Whitney U Test	11610.00	0.82931561
AD	MCI + Controls	GCST009653	Central Serous Retinopathy	Central Serous Retinopathy	rank sums	-0.22	0.8294124
AD	MCI + Controls	GCST004296	Atrial Fibrillation	Atrial Fibrillation	Mann Whitney U Test	58156.50	0.82963948
AD	MCI + Controls	GCST009100	Resistant Hypertension	Treatment-Resistant Hypertension	Mann Whitney U Test	59500.50	0.83021346
AD	MCI + Controls	GCST005212	Asthma	Asthma	Mann Whitney U Test	60236.00	0.83044834
AD	MCI + Controls	GCST006911	Asthma (Moderate Or Severe)	Asthma	Mann Whitney U Test	60235.50	0.83058782
AD	MCI + Controls	GCST001826	Lymphoma	Lymphoma	Mann Whitney U Test	46421.50	0.83061642
AD	MCI + Controls	GCST002436	Irritable Bowel Syndrome	Irritable Bowel Syndrome	Mann Whitney U Test	5125.50	0.83136937
AD	MCI + Controls	GCST001457	Breast Cancer	Breast Carcinoma	rank sums	0.21	0.83255157
AD	MCI + Controls	GCST000330	Asthma (Toluene Diisocyanate-Induced)	Asthma	Mann Whitney U Test	60214.00	0.83309333
AD	MCI + Controls	GCST006567	Response To Ketogenic Dietary Therapies In Epilepsy	Response To Ketogenic Diet	rank sums	-0.21	0.83328102
AD	MCI + Controls	GCST003558	Major Depressive Disorder	Unipolar Depression	rank sums	-0.21	0.83345728
AD	MCI + Controls	GCST007631	Hepatitis C (Spontaneous Viral Clearance)	Remission	Mann Whitney U Test	235740.00	0.83363577
AD	MCI + Controls	GCST001500	Wilms Tumor	Nephroblastoma	Mann Whitney U Test	52022.00	0.83384911
				Diabetes In Response To Antihypertensive Drug	Response To Calcium Channel		
AD	MCI + Controls	GCST003797	Treatment (Treatment Strategy Interaction)	Blocker	rank sums	-0.21	0.83412959
AD	MCI + Controls	GCST003230	Survival In Colorectal Cancer (Distant Metastatic)	Survival Time	Mann Whitney U Test	51070.50	0.83446506
AD	MCI + Controls	GCST0006					

AD	MCI + Controls	GCST002643	Follicular Lymphoma	Neoplasm Of Mature B-Cells	Mann Whitney U Test	60131.50	0.85971184
AD	MCI + Controls	GCST000910	Asthma	Asthma	rank sums	0.18	0.85980438
AD	MCI + Controls	GCST000998	Coronary Heart Disease	Coronary Heart Disease	Mann Whitney U Test	59143.00	0.85985359
AD	MCI + Controls	GCST009247	Strabismus	Strabismus	Mann Whitney U Test	60126.50	0.86106062
AD	MCI + Controls	GCST009718	Eczema	Eczema	Mann Whitney U Test	59710.50	0.86141587
AD	MCI + Controls	GCST007236	Breast Cancer	Breast Carcinoma	Mann Whitney U Test	60124.00	0.86182136
AD	MCI + Controls	GCST001582	Hepatitis B (Viral Clearance)	Hepatitis B Virus Infection	rank sums	0.17	0.86188186
AD	MCI + Controls	GCST007992	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	60119.50	0.86308679
AD	MCI + Controls	GCST001766	Non-Alcoholic Fatty Liver Disease Histology (Other)	Non-Alcoholic Fatty Liver Disease	Mann Whitney U Test	60117.50	0.863102
AD	MCI + Controls	GCST001851	Schizophrenia	Schizophrenia	Mann Whitney U Test	60119.00	0.86321583
AD	MCI + Controls	GCST005531	Multiple Sclerosis	Multiple Sclerosis	Mann Whitney U Test	60117.00	0.86378997
AD	MCI + Controls	GCST001011	Oral Cavity And Pharyngeal Cancer	Upper Aerodigestive Tract Neoplasm	Mann Whitney U Test	59159.00	0.86387929
AD	MCI + Controls	GCST010571	Autoimmune Thyroid Disease	Autoimmune Thyroid Disease	Mann Whitney U Test	60115.00	0.86435259
AD	MCI + Controls	GCST009130	Hospital Contact For Infections	Susceptibility To Infectious Disease Measurement	Mann Whitney U Test	60113.50	0.86477454
AD	MCI + Controls	GCST90011818	Kidney Cancer	Kidney Cancer	Mann Whitney U Test	59701.00	0.86510465
AD	MCI + Controls	GCST002460	Urinary Bladder Cancer	Bladder Carcinoma	Mann Whitney U Test	34889.00	0.86594432
AD	MCI + Controls	GCST006131	Colorectal Cancer	Colorectal Cancer	Mann Whitney U Test	59165.50	0.86618154
AD	MCI + Controls	GCST006989	Brown Vs. Black Hair Color	Hair Color	Mann Whitney U Test	60108.50	0.86618155
AD	MCI + Controls	GCST004404	Alcohol Consumption (Drinkers Vs Non-Drinkers)	Alcohol Drinking	Mann Whitney U Test	73814.00	0.86645775
AD	MCI + Controls	GCST004692	Amyotrophic Lateral Sclerosis	Amyotrophic Lateral Sclerosis	rank sums	-0.17	0.86669295
AD	MCI + Controls	GCST000120	Blue Vs. Brown Eyes	Eye Color	rank sums	-0.17	0.86680043
AD	MCI + Controls	GCST002145	Infantile Hypertrophic Pyloric Stenosis	Infantile Hypertrophic Pyloric Stenosis	Mann Whitney U Test	58513.50	0.86752578
AD	MCI + Controls	GCST001659	Stroke (Ischemic)	Stroke	rank sums	-0.17	0.86757309

AD	MCI + Controls	GCST001743	Alzheimer's Disease	Alzheimer's Disease	rank sums	0.00	1
AD	MCI + Controls	GCST010001	Ulcerative Colitis	Ulcerative Colitis	rank sums	0.00	1
AD	MCI + Controls	GCST010717	Disease Free Survival In Colon Cancer	Disease Free Survival	rank sums	0.00	1
AD	MCI + Controls	GCST010716	Survival In Colon Cancer	Overall Survival	rank sums	0.00	1
AD	MCI + Controls	GCST005855	Cholangiocarcinoma In Primary Sclerosing Cholangitis	Sclerosing Cholangitis	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST006275	Vestibular Neuritis	Vestibular Neuronitis	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST004461	Low-Grade Serous Ovarian Cancer	Ovarian Serous Carcinoma	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST009026	Alzheimer,Ãs Disease And/Or Vascular Dementia (Clinical Subgroup Vad++)	Vascular Dementia	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST001250	Basal Cell Carcinoma	Basal Cell Carcinoma	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST007210	Alloimmunization Response To Red Blood Cell Transfusion In Sickle Cell Anemia	Response To Red Blood Cell Transfusion	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST005200	Phenytoin-Induced Maculopapular Exanthema	Response To Phenytoin	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST004114	Nevirapine-Induced Hypersensitivity In Hiv (Drug- Induced Liver Injury)	Response To Reverse Transcriptase Inhibitor	Welch's Two-Sample T-T ϵ	nan	nan
AD	MCI + Controls	GCST007229	Thiopurine-Induced Early Leukopenia In Crohn's Disease	Response To Thiopurine	Welch's Two-Sample T-T ϵ	nan	nan

AD + MCI	Controls	GCST003321	Small Vessel Stroke	Small Vessel Stroke	Welch's Two-Sample T-Test	nan
AD + MCI	Controls	GCST004461	Low-Grade Serous Ovarian Cancer	Ovarian Serous Carcinoma	Welch's Two-Sample T-Test	nan
AD + MCI	Controls	GCST005200	Phenytoin-Induced Maculopapular Exanthema	Response To Phenytoin	Welch's Two-Sample T-Test	nan
AD + MCI	Controls	GCST003231	Survival In Colorectal Cancer (Non-Distant Metastatic)	Survival Time	Welch's Two-Sample T-Test	nan