Alan R Shuldiner

List of Publications by Citations

448 papers	53,541 citations	103 h-index	225 g-index
491 ext. papers	62,250 ext. citations	10.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
448	Genetic studies of body mass index yield new insights for obesity biology. *Nature*, **2015**, 518, 197-206	50.4	2687
447	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nature Genetics*, **2010**, 42, 937-48	36.3	2267
446	Discovery and refinement of loci associated with lipid levels. *Nature Genetics*, **2013**, 45, 1274-1283	36.3	1904
445	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. *Nature Genetics*, **2010**, 42, 105-16	36.3	1673
444	Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature* , **2011**, 478, 103-9	50.4	1564
443	Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature*, **2010**, 467, 832-8	50.4	1514
442	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. *Nature Genetics*, **2012**, 44, 981-90	36.3	1482
441	Defining the role of common variation in the genomic and biological architecture of adult human height. *Nature Genetics*, **2014**, 46, 1173-86	36.3	1339
440	Newly identified loci that influence lipid concentrations and risk of coronary artery disease. *Nature Genetics*, **2008**, 40, 161-9	36.3	1304
439	Association of cytochrome P450 2C19 genotype with the antiplatelet effect and clinical efficacy of clopidogrel therapy. *JAMA - Journal of the American Medical Association*, **2009**, 302, 849-57	27.4	1070
438	New genetic loci link adipose and insulin biology to body fat distribution. *Nature*, **2015**, 518, 187-196	50.4	920
437	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. *Nature Genetics*, **2012**, 44, 491-501	36.3	866
436	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. *Nature Genetics*, **2014**, 46, 234-44	36.3	784
435	Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. *Nature Genetics*, **2010**, 42, 949-60	36.3	724
434	TCF7L2 polymorphisms and progression to diabetes in the Diabetes Prevention Program. *New England Journal of Medicine*, **2006**, 355, 241-50	59.2	679
433	Genome-wide association analysis identifies variants associated with nonalcoholic fatty liver disease that have distinct effects on metabolic traits. *PLoS Genetics*, **2011**, 7, e1001324	6	629
432	Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. *Nature Genetics*, **2012**, 44, 991-1005	36.3	621

431	Clinical Pharmacogenetics Implementation Consortium guidelines for CYP2C19 genotype and clopidogrel therapy: 2013 update. *Clinical Pharmacology and Therapeutics*, **2013**, 94, 317-23	6.1	617
430	A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. *Nature Genetics*, **2012**, 44, 659-69	36.3	615
429	New loci associated with kidney function and chronic kidney disease. *Nature Genetics*, **2010**, 42, 376-84	36.3	599
428	Common variants associated with plasma triglycerides and risk for coronary artery disease. *Nature Genetics*, **2013**, 45, 1345-52	36.3	597
427	Identification of omentin as a novel depot-specific adipokine in human adipose tissue: possible role in modulating insulin action. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E1253-61	6	574
426	Genetic variation in the beta 3-adrenergic receptor and an increased capacity to gain weight in patients with morbid obesity. *New England Journal of Medicine*, **1995**, 333, 352-4	59.2	528
425	Genetic variation in GIPR influences the glucose and insulin responses to an oral glucose challenge. *Nature Genetics*, **2010**, 42, 142-8	36.3	527
424	Omentin plasma levels and gene expression are decreased in obesity. *Diabetes*, **2007**, 56, 1655-61	0.9	526
423	Time of onset of non-insulin-dependent diabetes mellitus and genetic variation in the beta 3-adrenergic-receptor gene. *New England Journal of Medicine*, **1995**, 333, 343-7	59.2	524
422	Genome-wide association analyses identify 18 new loci associated with serum urate concentrations. *Nature Genetics*, **2013**, 45, 145-54	36.3	505
421	Association of a polymorphism in the beta 3-adrenergic-receptor gene with features of the insulin resistance syndrome in Finns. *New England Journal of Medicine*, **1995**, 333, 348-51	59.2	499
420	A null mutation in human APOC3 confers a favorable plasma lipid profile and apparent cardioprotection. *Science*, **2008**, 322, 1702-5	33.3	489
419	Unique lipoprotein phenotype and genotype associated with exceptional longevity. *JAMA - Journal of the American Medical Association*, **2003**, 290, 2030-40	27.4	433
418	Molecular scanning of the human peroxisome proliferator activated receptor gamma (hPPAR gamma) gene in diabetic Caucasians: identification of a Pro12Ala PPAR gamma 2 missense mutation. *Biochemical and Biophysical Research Communications*, **1997**, 241, 270-4	3.4	424
417	Genetic and Pharmacologic Inactivation of ANGPTL3 and Cardiovascular Disease. *New England Journal of Medicine*, **2017**, 377, 211-221	59.2	416
416	Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. *Circulation*, **2011**, 123, 731-8	16.7	395
415	Implementing genomic medicine in the clinic: the future is here. *Genetics in Medicine*, **2013**, 15, 258-67	8.1	385
414	Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. *Nature Genetics*, **2010**, 42, 1077-85	36.3	372

413	A Protein-Truncating HSD17B13 Variant and Protection from Chronic Liver Disease. *New England Journal of Medicine*, **2018**, 378, 1096-1106	59.2	350
412	Clinical Pharmacogenetics Implementation Consortium guidelines for cytochrome P450-2C19 (CYP2C19) genotype and clopidogrel therapy. *Clinical Pharmacology and Therapeutics*, **2011**, 90, 328-32	6.1	346
411	New gene functions in megakaryopoiesis and platelet formation. *Nature*, **2011**, 480, 201-8	50.4	330
410	Distribution and clinical impact of functional variants in 50,726 whole-exome sequences from the DiscovEHR study. *Science*, **2016**, 354,	33.3	320
409	Common variants in the GDF5-UQCC region are associated with variation in human height. *Nature Genetics*, **2008**, 40, 198-203	36.3	315
408	Inactivating Variants in ANGPTL4 and Risk of Coronary Artery Disease. *New England Journal of Medicine*, **2016**, 374, 1123-33	59.2	305
407	FTO genotype is associated with phenotypic variability of body mass index. *Nature*, **2012**, 490, 267-72	50.4	304
406	Ethical and practical guidelines for reporting genetic research results to study participants: updated guidelines from a National Heart, Lung, and Blood Institute working group. *Circulation: Cardiovascular Genetics*, **2010**, 3, 574-80		297
405	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nature Communications*, **2016**, 7, 10023	17.4	295
404	Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits. *PLoS Genetics*, **2013**, 9, e1003500	6	277
403	Telomere length is paternally inherited and is associated with parental lifespan. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 12135-9	11.5	275
402	Association of the Pro12Ala variant in the peroxisome proliferator-activated receptor-gamma2 gene with obesity in two Caucasian populations. *Diabetes*, **1998**, 47, 1806-8	0.9	259
401	Seventy-five genetic loci influencing the human red blood cell. *Nature*, **2012**, 492, 369-75	50.4	257
400	A rapid and versatile method to synthesize internal standards for competitive PCR. *Nucleic Acids Research*, **1993**, 21, 1047	20.1	257
399	Acute-phase serum amyloid A: an inflammatory adipokine and potential link between obesity and its metabolic complications. *PLoS Medicine*, **2006**, 3, e287	11.6	249
398	From the Cover: Whole-genome association study identifies STK39 as a hypertension susceptibility gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 226-31	11.5	240
397	Polymorphisms in the transcription factor 7-like 2 (TCF7L2) gene are associated with type 2 diabetes in the Amish: replication and evidence for a role in both insulin secretion and insulin resistance. *Diabetes*, **2006**, 55, 2654-9	0.9	239
396	Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. *Nature Genetics*, **2011**, 43, 753-60	36.3	237

395	Association between uncoupling protein polymorphisms (UCP2-UCP3) and energy metabolism/obesity in Pima indians. *Human Molecular Genetics*, **1998**, 7, 1431-5	5.6	230
394	Genetic identification of familial hypercholesterolemia within a single U.S. health care system. *Science*, **2016**, 354,	33.3	229
393	Meta-analysis of genome-wide association data identifies two loci influencing age at menarche. *Nature Genetics*, **2009**, 41, 648-50	36.3	223
392	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genetics*, **2015**, 11, e1005378	6	220
391	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. *Nature Genetics*, **2013**, 45, 621-31	36.3	219
390	Large-scale gene-centric meta-analysis across 39 studies identifies type 2 diabetes loci. *American Journal of Human Genetics*, **2012**, 90, 410-25	11	214
389	Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. *Circulation*, **2011**, 124, 2855-64	16.7	213
388	Physical activity and the association of common FTO gene variants with body mass index and obesity. *Archives of Internal Medicine*, **2008**, 168, 1791-7		207
387	Resistin, obesity, and insulin resistance--the emerging role of the adipocyte as an endocrine organ. *New England Journal of Medicine*, **2001**, 345, 1345-6	59.2	206
386	Genetic loci influencing kidney function and chronic kidney disease. *Nature Genetics*, **2010**, 42, 373-5	36.3	205
385	NRXN3 is a novel locus for waist circumference: a genome-wide association study from the CHARGE Consortium. *PLoS Genetics*, **2009**, 5, e1000539	6	203
384	Common variants in 40 genes assessed for diabetes incidence and response to metformin and lifestyle intervention in the diabetes prevention program. *Diabetes*, **2010**, 59, 2672-81	0.9	200
383	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nature Genetics*, **2014**, 46, 826-36	36.3	199
382	The pharmacogenetics research network: from SNP discovery to clinical drug response. *Clinical Pharmacology and Therapeutics*, **2007**, 81, 328-45	6.1	197
381	A mutation in the beta 3-adrenergic receptor gene is associated with obesity and hyperinsulinemia in Japanese subjects. *Biochemical and Biophysical Research Communications*, **1995**, 215, 555-60	3.4	192
380	Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci. *American Journal of Human Genetics*, **2012**, 91, 823-38	11	189
379	Pharmacogenomics: challenges and opportunities. *Annals of Internal Medicine*, **2006**, 145, 749-57	8	181
378	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications*, **2016**, 7, 10495	17.4	180

377	CUBN is a gene locus for albuminuria. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 555-70	12.7	170
376	Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. *Nature Genetics*, **2011**, 43, 940-7	36.3	168
375	Comparative studies of resistin expression and phylogenomics in human and mouse. *Biochemical and Biophysical Research Communications*, **2003**, 310, 927-35	3.4	168
374	Association between a novel variant of the human type 2 deiodinase gene Thr92Ala and insulin resistance: evidence of interaction with the Trp64Arg variant of the beta-3-adrenergic receptor. *Diabetes*, **2002**, 51, 880-3	0.9	168
373	Lipoprotein genotype and conserved pathway for exceptional longevity in humans. *PLoS Biology*, **2006**, 4, e113	9.7	167
372	Analysis of the gut microbiota in the old order Amish and its relation to the metabolic syndrome. *PLoS ONE*, **2012**, 7, e43052	3.7	161
371	Loci associated with ischaemic stroke and its subtypes (SiGN): a genome-wide association study. *Lancet Neurology, The*, **2016**, 15, 174-184	24.1	159
370	Multisite Investigation of Outcomes With Implementation of CYP2C19 Genotype-Guided Antiplatelet Therapy After Percutaneous Coronary Intervention. *JACC: Cardiovascular Interventions*, **2018**, 11, 181-191	5	156
369	A meta-analysis of thyroid-related traits reveals novel loci and gender-specific differences in the regulation of thyroid function. *PLoS Genetics*, **2013**, 9, e1003266	6	146
368	Genome-wide association and functional follow-up reveals new loci for kidney function. *PLoS Genetics*, **2012**, 8, e1002584	6	143
367	Heritability of life span in the Old Order Amish. *American Journal of Medical Genetics Part A*, **2001**, 102, 346-52		143
366	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. *Nature Genetics*, **2020**, 52, 680-691	36.3	140
365	The IGNITE network: a model for genomic medicine implementation and research. *BMC Medical Genomics*, **2016**, 9, 1	3.7	139
364	Identification of novel candidate genes for type 2 diabetes from a genome-wide association scan in the Old Order Amish: evidence for replication from diabetes-related quantitative traits and from independent populations. *Diabetes*, **2007**, 56, 3053-62	0.9	136
363	Null mutation in hormone-sensitive lipase gene and risk of type 2 diabetes. *New England Journal of Medicine*, **2014**, 370, 2307-2315	59.2	131
362	Genome-wide and fine-mapping linkage studies of type 2 diabetes and glucose traits in the Old Order Amish: evidence for a new diabetes locus on chromosome 14q11 and confirmation of a locus on chromosome 1q21-q24. *Diabetes*, **2003**, 52, 550-7	0.9	130
361	The Pharmacogenomics Research Network Translational Pharmacogenetics Program: overcoming challenges of real-world implementation. *Clinical Pharmacology and Therapeutics*, **2013**, 94, 207-10	6.1	128
360	Variations in the G6PC2/ABCB11 genomic region are associated with fasting glucose levels. *Journal of Clinical Investigation*, **2008**, 118, 2620-8	15.9	127

359	A central role for GRB10 in regulation of islet function in man. *PLoS Genetics*, **2014**, 10, e1004235	6	124
358	Exome sequencing and characterization of 49,960 individuals in the UK Biobank. *Nature*, **2020**, 586, 749-756	50.4	122
357	Directional dominance on stature and cognition in diverse human populations. *Nature*, **2015**, 523, 459-462	50.4	119
356	Loci influencing blood pressure identified using a cardiovascular gene-centric array. *Human Molecular Genetics*, **2013**, 22, 1663-78	5.6	119
355	PharmGKB summary: very important pharmacogene information for cytochrome P450, family 2, subfamily C, polypeptide 19. *Pharmacogenetics and Genomics*, **2012**, 22, 159-65	1.9	115
354	Common variants in the SLCO1B3 locus are associated with bilirubin levels and unconjugated hyperbilirubinemia. *Human Molecular Genetics*, **2009**, 18, 2711-8	5.6	113
353	Global implementation of genomic medicine: We are not alone. *Science Translational Medicine*, **2015** , 7, 290ps13	17.5	112
352	Effect of the Pro12Ala variant of the human peroxisome proliferator-activated receptor gamma 2 gene on adiposity, fat distribution, and insulin sensitivity in Japanese men. *Biochemical and Biophysical Research Communications*, **1998**, 251, 195-8	3.4	112
351	Elabela-apelin receptor signaling pathway is functional in mammalian systems. *Scientific Reports*, **2015**, 5, 8170	4.9	108
350	The functional G143E variant of carboxylesterase 1 is associated with increased clopidogrel active metabolite levels and greater clopidogrel response. *Pharmacogenetics and Genomics*, **2013**, 23, 1-8	1.9	107
349	Adiponectin levels and genotype: a potential regulator of life span in humans. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2008**, 63, 447-53	6.4	105
348	Phosphodiesterase 8B gene variants are associated with serum TSH levels and thyroid function. *American Journal of Human Genetics*, **2008**, 82, 1270-80	11	105
347	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. *American Journal of Human Genetics*, **2011**, 88, 6-18	11	103
346	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. *PLoS Genetics*, **2017**, 13, e1006528	6	103
345	A mutation of the beta 3-adrenergic receptor is associated with visceral obesity but decreased serum triglyceride. *Diabetologia*, **1997**, 40, 469-72	10.3	98
344	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. *Diabetes*, **2016**, 65, 803-17	0.9	96
343	Eating behavior in the Old Order Amish: heritability analysis and a genome-wide linkage analysis. *American Journal of Clinical Nutrition*, **2002**, 75, 1098-106	7	96
342	A meta-analytic investigation of linkage and association of common leptin receptor (LEPR) polymorphisms with body mass index and waist circumference. *International Journal of Obesity*, **2002**, 26, 640-6	5.5	94

341	The genetic response to short-term interventions affecting cardiovascular function: rationale and design of the Heredity and Phenotype Intervention (HAPI) Heart Study. *American Heart Journal*, **2008**, 155, 823-8	4.9	93
340	Linkage of plasma adiponectin levels to 3q27 explained by association with variation in the APM1 gene. *Diabetes*, **2005**, 54, 268-74	0.9	93
339	Metformin pharmacogenomics: current status and future directions. *Diabetes*, **2014**, 63, 2590-9	0.9	90
338	Variants of the insulin receptor substrate-1 and fatty acid binding protein 2 genes and the risk of type 2 diabetes, obesity, and hyperinsulinemia in African-Americans: the Atherosclerosis Risk in Communities Study. *Diabetes*, **1999**, 48, 1868-72	0.9	90
337	Rethinking the genetic basis for comorbidity of schizophrenia and type 2 diabetes. *Schizophrenia Research*, **2010**, 123, 234-43	3.6	88
336	Extension of type 2 diabetes genome-wide association scan results in the diabetes prevention program. *Diabetes*, **2008**, 57, 2503-10	0.9	86
335	cDNA cloning, genomic structure, chromosomal mapping, and functional expression of a novel human alanine aminotransferase. *Genomics*, **2002**, 79, 445-50	4.3	86
334	Association between chromosome 9p21 variants and the ankle-brachial index identified by a meta-analysis of 21 genome-wide association studies. *Circulation: Cardiovascular Genetics*, **2012**, 5, 100-12		84
333	Genetic predictors of weight loss and weight regain after intensive lifestyle modification, metformin treatment, or standard care in the Diabetes Prevention Program. *Diabetes Care*, **2012**, 35, 363-6	14.6	84
332	Genome-wide association study of kidney function decline in individuals of European descent. *Kidney International*, **2015**, 87, 1017-29	9.9	83
331	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. *American Journal of Human Genetics*, **2017**, 101, 888-902	11	83
330	Genetic variation in adiponectin receptor 1 and adiponectin receptor 2 is associated with type 2 diabetes in the Old Order Amish. *Diabetes*, **2005**, 54, 2245-50	0.9	83
329	The effect of elinogrel on high platelet reactivity during dual antiplatelet therapy and the relation to CYP2C19*2 genotype: first experience in patients. *Journal of Thrombosis and Haemostasis*, **2010**, 8, 43-53	15.4	81
328	Changes in insulin sensitivity in response to troglitazone do not differ between subjects with and without the common, functional Pro12Ala peroxisome proliferator-activated receptor-gamma2 gene variant: results from the Troglitazone in Prevention of Diabetes (TRIPOD) study. *Diabetes Care*, **2004**, 27, 1365-8	14.6	81
327	Hybrid DNA artifact from PCR of closely related target sequences. *Nucleic Acids Research*, **1989**, 17, 4409	20.1	81
326	Multiethnic genome-wide meta-analysis of ectopic fat depots identifies loci associated with adipocyte development and differentiation. *Nature Genetics*, **2017**, 49, 125-130	36.3	80
325	Genetic variation in PEAR1 is associated with platelet aggregation and cardiovascular outcomes. *Circulation: Cardiovascular Genetics*, **2013**, 6, 184-92		80
324	QTL influencing blood pressure maps to the region of PPH1 on chromosome 2q31-34 in Old Order Amish. *Circulation*, **2000**, 101, 2810-6	16.7	80

323	Fatty acid binding protein-2 gene variants and insulin resistance: gene and gene-environment interaction effects. *Physiological Genomics*, **2002**, 10, 145-57	3.6	79
322	Meta-analysis of Dense Genecentric Association Studies Reveals Common and Uncommon Variants Associated with Height. *American Journal of Human Genetics*, **2012**, 90, 1116-1117	11	78
321	COL4A1 is associated with arterial stiffness by genome-wide association scan. *Circulation: Cardiovascular Genetics*, **2009**, 2, 151-8		78
320	SNP43 of CAPN10 and the risk of type 2 Diabetes in African-Americans: the Atherosclerosis Risk in Communities Study. *Diabetes*, **2002**, 51, 231-7	0.9	78
319	Clopidogrel: a case for indication-specific pharmacogenetics. *Clinical Pharmacology and Therapeutics*, **2012**, 91, 774-6	6.1	77
318	Common genetic variation in the 3NBCL11B gene desert is associated with carotid-femoral pulse wave velocity and excess cardiovascular disease risk: the AortaGen Consortium. *Circulation: Cardiovascular Genetics*, **2012**, 5, 81-90		76
317	Variable bone fragility associated with an Amish COL1A2 variant and a knock-in mouse model. *Journal of Bone and Mineral Research*, **2010**, 25, 247-61	6.3	74
316	A functional variant in the peroxisome proliferator-activated receptor gamma2 promoter is associated with predictors of obesity and type 2 diabetes in Pima Indians. *Diabetes*, **2003**, 52, 1864-71	0.9	74
315	Association of a common nonsynonymous variant in GLUT9 with serum uric acid levels in old order amish. *Arthritis and Rheumatism*, **2008**, 58, 2874-81		72
314	Genetic inactivation of ANGPTL4 improves glucose homeostasis and is associated with reduced risk of diabetes. *Nature Communications*, **2018**, 9, 2252	17.4	71
313	Genotyping: one piece of the puzzle to personalize antiplatelet therapy. *Journal of the American College of Cardiology*, **2010**, 56, 112-6	15.1	71
312	Murine alanine aminotransferase: cDNA cloning, functional expression, and differential gene regulation in mouse fatty liver. *Hepatology*, **2004**, 39, 1297-302	11.2	71
311	Implementation of pharmacogenetics: the University of Maryland Personalized Anti-platelet Pharmacogenetics Program. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2014**, 166C, 76-84	3.1	70
310	The relation between CYP2C19 genotype and phenotype in stented patients on maintenance dual antiplatelet therapy. *American Heart Journal*, **2011**, 161, 598-604	4.9	68
309	Platelet aggregation pathway. *Pharmacogenetics and Genomics*, **2011**, 21, 516-21	1.9	67
308	Genome-Wide Scan of Obesity in the Old Order Amish. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 1199-1205	5.6	67
307	Genetic variation at NCAN locus is associated with inflammation and fibrosis in non-alcoholic fatty liver disease in morbid obesity. *Human Heredity*, **2013**, 75, 34-43	1.1	66
306	Chromosomal localization and partial genomic structure of the human peroxisome proliferator activated receptor-gamma (hPPAR gamma) gene. *Biochemical and Biophysical Research Communications*, **1997**, 233, 756-9	3.4	66

305	Paraoxonase 1 (PON1) gene variants are not associated with clopidogrel response. *Clinical Pharmacology and Therapeutics*, **2011**, 90, 568-74	6.1	65
304	Genome-wide scan of obesity in the Old Order Amish. *Journal of Clinical Endocrinology and Metabolism*, **2001**, 86, 1199-205	5.6	65
303	Associations between genetic variants in the NOS1AP (CAPON) gene and cardiac repolarization in the old order Amish. *Human Heredity*, **2007**, 64, 214-9	1.1	64
302	Genotype-based changes in serum uric acid affect blood pressure. *Kidney International*, **2012**, 81, 502-7	9.9	62
301	Serum 25-hydroxyvitamin d levels are not associated with subclinical vascular disease or C-reactive protein in the old order amish. *Calcified Tissue International*, **2009**, 84, 195-202	3.9	61
300	Purine pathway implicated in mechanism of resistance to aspirin therapy: pharmacometabolomics-informed pharmacogenomics. *Clinical Pharmacology and Therapeutics*, **2013**, 94, 525-32	6.1	60
299	Cardiovascular pharmacogenomics. *Circulation Research*, **2011**, 109, 807-20	15.7	60
298	Variants in the ghrelin gene are associated with metabolic syndrome in the Old Order Amish. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 6672-7	5.6	60
297	Does having children extend life span? A genealogical study of parity and longevity in the Amish. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 190-5	6.4	60
296	The C allele of ATM rs11212617 does not associate with metformin response in the Diabetes Prevention Program. *Diabetes Care*, **2012**, 35, 1864-7	14.6	59
295	Polymorphisms in both promoters of hepatocyte nuclear factor 4-alpha are associated with type 2 diabetes in the Amish. *Diabetes*, **2004**, 53, 3337-41	0.9	59
294	A genome-wide scan of serum lipid levels in the Old Order Amish. *Atherosclerosis*, **2004**, 173, 89-96	3.1	59
293	Variants in scavenger receptor class B type I gene are associated with HDL cholesterol levels in younger women. *Human Heredity*, **2007**, 64, 107-13	1.1	58
292	Familial defective apolipoprotein B-100 and increased low-density lipoprotein cholesterol and coronary artery calcification in the old order amish. *Archives of Internal Medicine*, **2010**, 170, 1850-5		56
291	Whole exome sequencing and characterization of coding variation in 49,960 individuals in the UK Biobank		56
290	Association of the vitamin D metabolism gene CYP24A1 with coronary artery calcification. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2648-54	9.4	55
289	The CYP2C19*17 variant is not independently associated with clopidogrel response. *Journal of Thrombosis and Haemostasis*, **2013**, 11, 1640-6	15.4	54
288	Integration of genome-wide association studies with biological knowledge identifies six novel genes related to kidney function. *Human Molecular Genetics*, **2012**, 21, 5329-43	5.6	54

287	Pro12Ala of the peroxisome proliferator-activated receptor-gamma2 gene is associated with lower serum insulin levels in nonobese African Americans: the Atherosclerosis Risk in Communities Study. *Diabetes*, **2003**, 52, 1568-72	0.9	54
286	Determinants of coronary artery and aortic calcification in the Old Order Amish. *Circulation*, **2007**, 115, 717-24	16.7	53
285	The role of peroxisome proliferator-activated receptor gamma in diabetes and obesity. *Current Diabetes Reports*, **2002**, 2, 179-85	5.6	53
284	Genetic and environmental influences on bone mineral density in pre- and post-menopausal women. *Osteoporosis International*, **2005**, 16, 1849-56	5.3	53
283	Association of single nucleotide polymorphisms on chromosome 9p21.3 with platelet reactivity: a potential mechanism for increased vascular disease. *Circulation: Cardiovascular Genetics*, **2010**, 3, 445-53		48
282	Quantitative trait loci for BMD identified by autosome-wide linkage scan to chromosomes 7q and 21q in men from the Amish Family Osteoporosis Study. *Journal of Bone and Mineral Research*, **2006**, 21, 1433-42	6.3	48
281	The relationship between parity and bone mineral density in women characterized by a homogeneous lifestyle and high parity. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 4536-41	5.6	48
280	TM6SF2 rs58542926 impacts lipid processing in liver and small intestine. *Hepatology*, **2017**, 65, 1526-1542	11.2	47
279	Mutations in Gng3lg and AGPAT2 in Berardinelli-Seip congenital lipodystrophy and Brunzell syndrome: phenotype variability suggests important modifier effects. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 2916-22	5.6	47
278	PCR-induced (ligase-free) subcloning: a rapid reliable method to subclone polymerase chain reaction (PCR) products. *Nucleic Acids Research*, **1990**, 18, 1920	20.1	47
277	Association between bilirubin and cardiovascular disease risk factors: using Mendelian randomization to assess causal inference. *BMC Cardiovascular Disorders*, **2012**, 12, 16	2.3	45
276	Habitual sleep/wake patterns in the Old Order Amish: heritability and association with non-genetic factors. *Sleep*, **2011**, 34, 661-9	1.1	44
275	The Thr92Ala deiodinase type 2 (DIO2) variant is not associated with type 2 diabetes or indices of insulin resistance in the old order of Amish. *Thyroid*, **2005**, 15, 1223-7	6.2	44
274	Does genetic testing for obesity influence confidence in the ability to lose weight? A pilot investigation. *Journal of the American Dietetic Association*, **2001**, 101, 1351-3		44
273	Association between obesity and a polymorphism in the beta(1)-adrenoceptor gene (Gly389Arg ADRB1) in Caucasian women. *International Journal of Obesity*, **2002**, 26, 633-9	5.5	44
272	Determination of gene dosage by a quantitative adaptation of the polymerase chain reaction (gd-PCR): rapid detection of deletions and duplications of gene sequences. *Genomics*, **1994**, 21, 304-10	4.3	44
271	The insulin-like growth factor I (IGF-I) gene is expressed in chick embryos during early organogenesis. *Endocrinology*, **1990**, 127, 1547-9	4.8	44
270	Stroke Genetics Network (SiGN) study: design and rationale for a genome-wide association study of ischemic stroke subtypes. *Stroke*, **2013**, 44, 2694-702	6.7	43

269	Assessment of sex-specific genetic and environmental effects on bone mineral density. *Genetic Epidemiology*, **2004**, 27, 153-61	2.6	43
268	Monogenic diabetes in overweight and obese youth diagnosed with type 2 diabetes: the TODAY clinical trial. *Genetics in Medicine*, **2018**, 20, 583-590	8.1	42
267	TRP64ARG beta 3-adrenergic receptor and obesity in Mexican Americans. *Human Genetics*, **1997**, 101, 306-11	6.3	42
266	Obesity-related phenotypes and the beta3-adrenoceptor gene variant in postmenopausal women. *Diabetes*, **1999**, 48, 1425-8	0.9	42
265	Pancreatic regeneration (reg) gene expression in a rat model of islet hyperplasia. *Surgery*, **1996**, 119, 576-84	3.6	41
264	Isolation and characterization of two different insulins from an amphibian, Xenopus laevis. *Endocrinology*, **1989**, 125, 469-77	4.8	41
263	Associations of autozygosity with a broad range of human phenotypes. *Nature Communications*, **2019**, 10, 4957	17.4	40
262	Variation in the lamin A/C gene: associations with metabolic syndrome. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 1708-13	9.4	40
261	The genetics of obesity. *Endocrinology and Metabolism Clinics of North America*, **2003**, 32, 761-86	5.5	40
260	Evidence for several independent genetic variants affecting lipoprotein (a) cholesterol levels. *Human Molecular Genetics*, **2015**, 24, 2390-400	5.6	39
259	Pharmacogenomics: application to the management of cardiovascular disease. *Clinical Pharmacology and Therapeutics*, **2011**, 90, 519-31	6.1	39
258	Anti-inflammatory effects of simvastatin on adipokines in type 2 diabetic patients with carotid atherosclerosis. *Diabetes and Vascular Disease Research*, **2009**, 6, 262-8	3.3	39
257	The GH receptor exon 3 deletion is a marker of male-specific exceptional longevity associated with increased GH sensitivity and taller stature. *Science Advances*, **2017**, 3, e1602025	14.3	38
256	Profiling and Leveraging Relatedness in a Precision Medicine Cohort of 92,455 Exomes. *American Journal of Human Genetics*, **2018**, 102, 874-889	11	38
255	Aspirin Resistance in healthy drug-naive men versus women (from the Heredity and Phenotype Intervention Heart Study). *American Journal of Cardiology*, **2009**, 104, 606-12	3	38
254	Polymorphism in the calsequestrin 1 (CASQ1) gene on chromosome 1q21 is associated with type 2 diabetes in the old order Amish. *Diabetes*, **2004**, 53, 3292-9	0.9	38
253	Association between body fat response to exercise training and multilocus ADR genotypes. *Obesity* , **2004**, 12, 807-15		38
252	Genetics of insulin resistance. *Current Diabetes Reports*, **2002**, 2, 83-95	5.6	38

251	TCF7L2 variants associate with CKD progression and renal function in population-based cohorts. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1989-99	12.7	37
250	Genomic diagnostics within a medically underserved population: efficacy and implications. *Genetics in Medicine*, **2018**, 20, 31-41	8.1	36
249	Effects of genetic variants previously associated with fasting glucose and insulin in the Diabetes Prevention Program. *PLoS ONE*, **2012**, 7, e44424	3.7	35
248	Evaluation of A2BP1 as an obesity gene. *Diabetes*, **2010**, 59, 2837-45	0.9	35
247	Endurance training-induced changes in the insulin response to oral glucose are associated with the peroxisome proliferator-activated receptor-gamma2 Pro12Ala genotype in men but not in women. *Metabolism: Clinical and Experimental*, **2005**, 54, 97-102	12.7	35
246	CYP2C19 metabolizer status and clopidogrel efficacy in the Secondary Prevention of Small Subcortical Strokes (SPS3) study. *Journal of the American Heart Association*, **2015**, 4, e001652	6	34
245	FABP2 Ala54Thr genotype is associated with glucoregulatory function and lipid oxidation after a high-fat meal in sedentary nondiabetic men and women. *American Journal of Clinical Nutrition*, **2007** , 85, 102-8	7	34
244	A genome-wide scan for autoimmune thyroiditis in the Old Order Amish: replication of genetic linkage on chromosome 5q11.2-q14.3. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 1292-6	5.6	34
243	Obesity gene variant and elite endurance performance. *Metabolism: Clinical and Experimental*, **2001**, 50, 1391-2	12.7	34
242	Exome sequencing and analysis of 454,787 UK Biobank participants. *Nature*, **2021**, 599, 628-634	50.4	34
241	The association of coronary artery calcification and carotid artery intima-media thickness with distinct, traditional coronary artery disease risk factors in asymptomatic adults. *American Journal of Epidemiology*, **2008**, 168, 1016-23	3.8	33
240	Variation within the gene encoding the upstream stimulatory factor 1 does not influence susceptibility to type 2 diabetes in samples from populations with replicated evidence of linkage to chromosome 1q. *Diabetes*, **2006**, 55, 2541-8	0.9	33
239	Pharmacogenomic polygenic response score predicts ischaemic events and cardiovascular mortality in clopidogrel-treated patients. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2020**, 6, 203-210	6.4	33
238	Loss-of-Function ABCC8 Mutations in Pulmonary Arterial Hypertension. *Circulation Genomic and Precision Medicine*, **2018**, 11, e002087	5.2	33
237	Candidate gene association study of coronary artery calcification in chronic kidney disease: findings from the CRIC study (Chronic Renal Insufficiency Cohort). *Journal of the American College of Cardiology*, **2013**, 62, 789-98	15.1	32
236	Genomic characterization of the coding region of the human type II 5'-deiodinase gene. *Molecular and Cellular Endocrinology*, **1998**, 141, 49-52	4.4	32
235	No effect of the Trp64Arg beta(3)-adrenoceptor gene variant on weight loss, body composition, or energy expenditure in obese, caucasian postmenopausal women. *Metabolism: Clinical and Experimental*, **2002**, 51, 801-5	12.7	32
234	Hypertrophy-associated polymorphisms ascertained in a founder cohort applied to heart failure risk and mortality. *Clinical and Translational Science*, **2011**, 4, 17-23	4.9	31

233	The role of cigarette smoking and statins in the development of postmenopausal osteoporosis: a pilot study utilizing the Marshfield Clinic Personalized Medicine Cohort. *Osteoporosis International*, **2010**, 21, 467-77	5.3	31
232	Effect of zinc supplementation on insulin secretion: interaction between zinc and SLC30A8 genotype in Old Order Amish. *Diabetologia*, **2015**, 58, 295-303	10.3	30
231	A recombinant rat regenerating protein is mitogenic to pancreatic derived cells. *Journal of Surgical Research*, **2000**, 89, 60-5	2.5	30
230	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. *Nature Communications*, **2021**, 12, 24	17.4	30
229	Modeled nitrate levels in well water supplies and prevalence of abnormal thyroid conditions among the Old Order Amish in Pennsylvania. *Environmental Health*, **2012**, 11, 6	6	29
228	The ABCG8 G574R variant, serum plant sterol levels, and cardiovascular disease risk in the Old Order Amish. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 413-9	9.4	29
227	A common variant in the telomerase RNA component is associated with short telomere length. *PLoS ONE*, **2010**, 5, e13048	3.7	29
226	Relationship between vascular calcification and bone mineral density in the Old-order Amish. *Calcified Tissue International*, **2007**, 80, 244-50	3.9	29
225	Variants in ARHGEF11, a candidate gene for the linkage to type 2 diabetes on chromosome 1q, are nominally associated with insulin resistance and type 2 diabetes in Pima Indians. *Diabetes*, **2007**, 56, 1454-9	0.9	29
224	Evidence that Rho guanine nucleotide exchange factor 11 (ARHGEF11) on 1q21 is a type 2 diabetes susceptibility gene in the Old Order Amish. *Diabetes*, **2007**, 56, 1363-8	0.9	29
223	Physical activity and prevention of type 2 diabetes. *Lancet, The*, **2003**, 361, 87-8	40	29
222	Transgenic animals. *New England Journal of Medicine*, **1996**, 334, 653-5	59.2	29
221	Role of the beta 3-adrenergic receptor locus in obesity and noninsulin- dependent diabetes among members of Caucasian families with a diabetic sibling pair. *Journal of Clinical Endocrinology and Metabolism*, **1996**, 81, 4422-4427	5.6	29
220	A functional haplotype in EIF2AK3, an ER stress sensor, is associated with lower bone mineral density. *Journal of Bone and Mineral Research*, **2012**, 27, 331-41	6.3	28
219	Activating transcription factor 6 (ATF6) sequence polymorphisms in type 2 diabetes and pre-diabetic traits. *Diabetes*, **2007**, 56, 856-62	0.9	28
218	Evidence that Xenopus laevis contains two different nonallelic insulin-like growth factor-I genes. *Biochemical and Biophysical Research Communications*, **1990**, 166, 223-30	3.4	28
217	Common variants in Mendelian kidney disease genes and their association with renal function. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 2105-17	12.7	27
216	Genetic modulation of lipid profiles following lifestyle modification or metformin treatment: the Diabetes Prevention Program. *PLoS Genetics*, **2012**, 8, e1002895	6	27

215	Common variation in the LMNA gene (encoding lamin A/C) and type 2 diabetes: association analyses in 9,518 subjects. *Diabetes*, **2007**, 56, 879-83	0.9	27
214	Molecular scanning for mutations in the insulin receptor substrate-1 (IRS-1) gene in Mexican Americans with Type 2 diabetes mellitus. *Diabetes/Metabolism Research and Reviews*, **2000**, 16, 370-7	7.5	27
213	Trp64Arg variant of the beta3-adrenoceptor and insulin resistance in obese postmenopausal women. *Journal of Clinical Endocrinology and Metabolism*, **1998**, 83, 4002-5	5.6	27
212	Beta 3-adrenoceptor gene variant in obesity and insulin resistance. *Lancet, The*, **1996**, 348, 1584-5	40	27
211	Molecular scanning for mutations in the beta 3-adrenergic receptor gene in Nauruans with obesity and noninsulin-dependent diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1996**, 81, 4155-4158	5.6	27
210	Exploring the genetics of longevity in the Old Order Amish. *Mechanisms of Ageing and Development*, **2005**, 126, 347-50	5.6	26
209	Effectiveness of clopidogrel dose escalation to normalize active metabolite exposure and antiplatelet effects in CYP2C19 poor metabolizers. *Journal of Clinical Pharmacology*, **2014**, 54, 865-73	2.9	25
208	Impact of common variation in bone-related genes on type 2 diabetes and related traits. *Diabetes*, **2012**, 61, 2176-86	0.9	25
207	Pharmacogenetics and clopidogrel response in patients undergoing percutaneous coronary interventions. *Clinical Pharmacology and Therapeutics*, **2011**, 89, 455-9	6.1	25
206	Accounting for relatedness in family based genetic association studies. *Human Heredity*, **2007**, 64, 234-42	2.1	25
205	Reduced incidence of hip fracture in the Old Order Amish. *Journal of Bone and Mineral Research*, **2004**, 19, 308-13	6.3	25
204	Clinical and Molecular Prevalence of Lipodystrophy in an Unascertained Large Clinical Care Cohort. *Diabetes*, **2020**, 69, 249-258	0.9	25
203	Pan-ancestry exome-wide association analyses of COVID-19 outcomes in 586,157 individuals. *American Journal of Human Genetics*, **2021**, 108, 1350-1355	11	25
202	The common genetic influence over processing speed and white matter microstructure: Evidence from the Old Order Amish and Human Connectome Projects. *NeuroImage*, **2016**, 125, 189-197	7.9	24
201	Identification of a variant in KDR associated with serum VEGFR2 and pharmacodynamics of Pazopanib. *Clinical Cancer Research*, **2015**, 21, 365-72	12.9	24
200	Pharmacogenomics of anti-platelet therapy: how much evidence is enough for clinical implementation?. *Journal of Human Genetics*, **2013**, 58, 339-45	4.3	24
199	RNA template-specific polymerase chain reaction (RS-PCR): a novel strategy to reduce dramatically false positives. *Gene*, **1990**, 91, 139-42	3.8	24
198	rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. *Journal of Hepatology*, **2021**, 74, 20-30	13.4	24

197	Genome-wide association study of triglyceride response to a high-fat meal among participants of the NHLBI Genetics of Lipid Lowering Drugs and Diet Network (GOLDN). *Metabolism: Clinical and Experimental*, **2015**, 64, 1359-71	12.7	23
196	Chronotype and seasonality: morningness is associated with lower seasonal mood and behavior changes in the Old Order Amish. *Journal of Affective Disorders*, **2015**, 174, 209-14	6.6	23
195	Single nucleotide polymorphism upstream of interleukin 28B associated with phase 1 and phase 2 of early viral kinetics in patients infected with HCV genotype 1. *Journal of Hepatology*, **2012**, 56, 557-63	13.4	23
194	Linkage disequilibrium mapping of the replicated type 2 diabetes linkage signal on chromosome 1q. *Diabetes*, **2009**, 58, 1704-9	0.9	23
193	The association of podocin R229Q polymorphism with increased albuminuria or reduced estimated GFR in a large population-based sample of US adults. *American Journal of Kidney Diseases*, **2008**, 52, 868-75	7.4	23
192	Expression, purification, and initial characterization of human alanine aminotransferase (ALT) isoenzyme 1 and 2 in High-five insect cells. *Protein Expression and Purification*, **2008**, 60, 225-31	2	23
191	Polymorphisms in the glucokinase-associated, dual-specificity phosphatase 12 (DUSP12) gene under chromosome 1q21 linkage peak are associated with type 2 diabetes. *Diabetes*, **2006**, 55, 2631-9	0.9	23
190	Genes and pathophysiology of type 2 diabetes: more than just the Randle cycle all over again. *Journal of Clinical Investigation*, **2004**, 114, 1414-1417	15.9	23
189	Circulating CD34+ Cell Count is Associated with Extent of Subclinical Atherosclerosis in Asymptomatic Amish Men, Independent of 10-Year Framingham Risk. *Clinical Medicine Cardiology*, **2009**, 3, 53-60		23
188	Gene-centric meta-analyses for central adiposity traits in up to 57 412 individuals of European descent confirm known loci and reveal several novel associations. *Human Molecular Genetics*, **2014**, 23, 2498-510	5.6	22
187	Glucokinase regulatory protein gene polymorphism affects postprandial lipemic response in a dietary intervention study. *Human Genetics*, **2009**, 126, 567-74	6.3	22
186	The beta3-adrenergic receptor in the obesity and diabetes prone rhesus monkey is very similar to human and contains arginine at codon 64. *Gene*, **1997**, 188, 207-13	3.8	22
185	Investigations of the Y chromosome, male founder structure and YSTR mutation rates in the Old Order Amish. *Human Heredity*, **2008**, 65, 91-104	1.1	22
184	FABP2 genotype is associated with insulin sensitivity in older women. *Metabolism: Clinical and Experimental*, **2001**, 50, 1102-5	12.7	22
183	Sequencing of 640,000 exomes identifies variants associated with protection from obesity. *Science*, **2021**, 373,	33.3	22
182	A Common Variant in the SETD7 Gene Predicts Serum Lycopene Concentrations. *Nutrients*, **2016**, 8, 82	6.7	22
181	Association of APOE polymorphism with chronic kidney disease in a nationally representative sample: a Third National Health and Nutrition Examination Survey (NHANES III) Genetic Study. *BMC Medical Genetics*, **2009**, 10, 108	2.1	21
180	Genetics of diabetes. *Reviews in Endocrine and Metabolic Disorders*, **2004**, 5, 25-36	10.5	21

179	Insulin response to glucose is lower in individuals homozygous for the Arg 64 variant of the beta-3-adrenergic receptor. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 4019-22	5.6	21
178	TCF7L2 polymorphism, weight loss and proinsulin:insulin ratio in the diabetes prevention program. *PLoS ONE*, **2011**, 6, e21518	3.7	21
177	Ligase-free subcloning: a versatile method to subclone polymerase chain reaction (PCR) products in a single day. *Analytical Biochemistry*, **1991**, 194, 9-15	3.1	20
176	Pancreatic reg gene expression is inhibited during cellular differentiation. *Annals of Surgery*, **1997**, 225, 327-32	7.8	20
175	Genome-wide and candidate gene approaches of clopidogrel efficacy using pharmacodynamic and clinical end points-Rationale and design of the International Clopidogrel Pharmacogenomics Consortium (ICPC). *American Heart Journal*, **2018**, 198, 152-159	4.9	19
174	The influence of rare genetic variation in SLC30A8 on diabetes incidence and □cell function. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E926-30	5.6	19
173	Living the good life? Mortality and hospital utilization patterns in the Old Order Amish. *PLoS ONE*, **2012**, 7, e51560	3.7	19
172	Genome-wide association scan identifies variants near Matrix Metalloproteinase (MMP) genes on chromosome 11q21-22 strongly associated with serum MMP-1 levels. *Circulation: Cardiovascular Genetics*, **2009**, 2, 329-37		19
171	Genetic influences on blood pressure response to the cold pressor test: results from the Heredity and Phenotype Intervention Heart Study. *Journal of Hypertension*, **2008**, 26, 729-36	1.9	19
170	Competitive reverse-transcriptase polymerase chain reaction without an artificial internal standard. *Analytical Biochemistry*, **1995**, 224, 339-46	3.1	19
169	Insulin Response to Glucose Is Lower in Individuals Homozygous for the Arg 64 Variant of the □3-Adrenergic Receptor. *Journal of Clinical Endocrinology and Metabolism*, **2000**, 85, 4019-4022	5.6	19
168	Educational innovations in clinical pharmacogenomics. *Clinical Pharmacology and Therapeutics*, **2016**, 99, 582-4	6.1	18
167	Development of a physiology-directed population pharmacokinetic and pharmacodynamic model for characterizing the impact of genetic and demographic factors on clopidogrel response in healthy adults. *European Journal of Pharmaceutical Sciences*, **2016**, 82, 64-78	5.1	18
166	Genetic determinants of the ankle-brachial index: a meta-analysis of a cardiovascular candidate gene 50K SNP panel in the candidate gene association resource (CARe) consortium. *Atherosclerosis*, **2012**, 222, 138-47	3.1	18
165	The CFTR Met 470 allele is associated with lower birth rates in fertile men from a population isolate. *PLoS Genetics*, **2010**, 6, e1000974	6	18
164	No effect of the Trp64Arg beta 3-adrenoceptor variant on in vivo lipolysis in subcutaneous adipose tissue. *Diabetologia*, **1997**, 40, 838-42	10.3	18
163	A genome-wide linkage scan of insulin level derived traits: the Amish Family Diabetes Study. *Diabetes*, **2007**, 56, 2643-8	0.9	18
162	Seasonality shows evidence for polygenic architecture and genetic correlation with schizophrenia and bipolar disorder. *Journal of Clinical Psychiatry*, **2015**, 76, 128-34	4.6	18

161	Gender differences in first and secondhand smoke exposure, spirometric lung function and cardiometabolic health in the old order Amish: A novel population without female smoking. *PLoS ONE*, **2017**, 12, e0174354	3.7	17
160	Determinants of blood pressure response to low-salt intake in a healthy adult population. *Journal of Clinical Hypertension*, **2011**, 13, 795-800	2.3	17
159	Beta2- and beta3-adrenergic receptor polymorphisms and exercise hemodynamics in postmenopausal women. *Journal of Applied Physiology*, **2004**, 96, 526-30	3.7	17
158	Global Pharmacogenomics Within Precision Medicine: Challenges and Opportunities. *Clinical Pharmacology and Therapeutics*, **2020**, 107, 57-61	6.1	17
157	Heritability of complex white matter diffusion traits assessed in a population isolate. *Human Brain Mapping*, **2016**, 37, 525-35	5.9	17
156	Genome-wide analysis of clopidogrel active metabolite levels identifies novel variants that influence antiplatelet response. *Pharmacogenetics and Genomics*, **2017**, 27, 159-163	1.9	16
155	CPT1A methylation is associated with plasma adiponectin. *Nutrition, Metabolism and Cardiovascular Diseases*, **2017**, 27, 225-233	4.5	16
154	Pharmacogenetic Associations of β1-Adrenergic Receptor Polymorphisms With Cardiovascular Outcomes in the SPS3 Trial (Secondary Prevention of Small Subcortical Strokes). *Stroke*, **2017**, 48, 1337-1343	6.7	16
153	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. *Nature Communications*, **2020**, 11, 2542	17.4	16
152	Thrombin-induced platelet-fibrin clot strength: relation to high on-clopidogrel platelet reactivity, genotype, and post-percutaneous coronary intervention outcomes. *Thrombosis and Haemostasis*, **2014**, 111, 713-24	7	16
151	The genetic interface between gestational diabetes and type 2 diabetes. *Journal of Maternal-Fetal and Neonatal Medicine*, **2012**, 25, 36-40	2	16
150	Obesity genes and gene-environment-behavior interactions: recommendations for a way forward. *Obesity*, **2008**, 16 Suppl 3, S79-81	8	16
149	Familial Hypercholesterolemia and Type 2 Diabetes in the Old Order Amish. *Diabetes*, **2017**, 66, 2054-2058	8.9	15
148	Oxylipid Profile of Low-Dose Aspirin Exposure: A Pharmacometabolomics Study. *Journal of the American Heart Association*, **2015**, 4, e002203	6	15
147	Genetic variation of glucose transporter-1 (GLUT1) and albuminuria in 10,278 European Americans and African Americans: a case-control study in the Atherosclerosis Risk in Communities (ARIC) study. *BMC Medical Genetics*, **2011**, 12, 16	2.1	15
146	Letter by Gurbel et al regarding article, "Cytochrome 2C19*17 allelic variant, platelet aggregation, bleeding events, and stent thrombosis in clopidogrel-treated patients with coronary stent placement". *Circulation*, **2010**, 122, e478; author reply e479	16.7	15
145	Correlation of circulating MMP-9 with white blood cell count in humans: effect of smoking. *PLoS ONE*, **2013**, 8, e66277	3.7	15
144	and Loci Associate with Plasma Osmolality. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 2311-2321	12.7	14

143	Reversal of Aging-Induced Increases in Aortic Stiffness by Targeting Cytoskeletal Protein-Protein Interfaces. *Journal of the American Heart Association*, **2018**, 7,	6	14
142	Seasonality of mood and behavior in the Old Order Amish. *Journal of Affective Disorders*, **2013**, 147, 112-8	6.6	14
141	Decreased bone mineral density in subjects carrying familial defective apolipoprotein B-100. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E1999-2005	5.6	14
140	Genetic effects on postprandial variations of inflammatory markers in healthy individuals. *Obesity*, **2010**, 18, 1417-22	8	14
139	Functional variants in MBL2 are associated with type 2 diabetes and pre-diabetes traits in Pima Indians and the old order Amish. *Diabetes*, **2010**, 59, 2080-5	0.9	14
138	Mammographic breast density--evidence for genetic correlations with established breast cancer risk factors. *Cancer Epidemiology Biomarkers and Prevention*, **2008**, 17, 3509-16	4	14
137	Trp64Arg beta3-adrenoceptor: when does a candidate gene become a disease-susceptibility gene?. *Obesity*, **2001**, 9, 806-9		14
136	Clinical Pharmacogenetics Implementation Consortium Guideline for CYP2C19 Genotype and Clopidogrel Therapy: 2022 Update.. *Clinical Pharmacology and Therapeutics*, **2022**,	6.1	14
135	A Unique Presentation of Infantile-Onset Colitis and Eosinophilic Disease without Recurrent Infections Resulting from a Novel Homozygous CARMIL2 Variant. *Journal of Clinical Immunology*, **2019**, 39, 430-439	5.7	13
134	Alcohol Consumption and Risk of Coronary Artery Disease (from the Million Veteran Program). *American Journal of Cardiology*, **2018**, 121, 1162-1168	3	13
133	Heritability of serum sodium concentration: evidence for sex- and ethnic-specific effects. *Physiological Genomics*, **2012**, 44, 220-8	3.6	13
132	New progress in adipocytokine research. *Current Opinion in Endocrinology, Diabetes and Obesity*, **2003**, 10, 115-121		13
131	Persistent Staphylococcus aureus colonization is not a strongly heritable trait in Amish families. *PLoS ONE*, **2011**, 6, e17368	3.7	13
130	Assignment of Functional Relevance to Genes at Type 2 Diabetes-Associated Loci Through Investigation of ECell Mass Deficits. *Molecular Endocrinology*, **2016**, 30, 429-45		13
129	Variation in Maturity-Onset Diabetes of the Young Genes Influence Response to Interventions for Diabetes Prevention. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2678-2689	5.6	12
128	A novel TUFM homozygous variant in a child with mitochondrial cardiomyopathy expands the phenotype of combined oxidative phosphorylation deficiency 4. *Journal of Human Genetics*, **2019**, 64, 589-595	4.3	12
127	Genomewide Association Study of Platelet Reactivity and Cardiovascular Response in Patients Treated With Clopidogrel: A Study by the International Clopidogrel Pharmacogenomics Consortium. *Clinical Pharmacology and Therapeutics*, **2020**, 108, 1067-1077	6.1	12
126	Molecular scanning of beta-3-adrenergic receptor gene in total congenital lipoatrophic diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1997**, 82, 3395-8	5.6	12

125	User-centered design of multi-gene sequencing panel reports for clinicians. *Journal of Biomedical Informatics*, **2016**, 63, 1-10	10.2	12
124	Identifying clinically relevant sources of variability: The clopidogrel challenge. *Clinical Pharmacology and Therapeutics*, **2017**, 101, 264-273	6.1	11
123	CYP2C19 genotype and cardiovascular events. *JAMA - Journal of the American Medical Association*, **2012**, 307, 1482; author reply 1484-5	27.4	11
122	Comparison of BMI and physical activity between old order Amish children and non-Amish children. *Diabetes Care*, **2013**, 36, 873-8	14.6	11
121	Differences in prevalence and severity of coronary artery calcification between two non-Hispanic white populations with diverse lifestyles. *Atherosclerosis*, **2008**, 196, 888-95	3.1	11
120	Mutation spectrum of NOD2 reveals recessive inheritance as a main driver of Early Onset Crohn's Disease. *Scientific Reports*, **2021**, 11, 5595	4.9	11
119	Vitamin and supplement use among old order amish: sex-specific prevalence and associations with use. *Journal of the Academy of Nutrition and Dietetics*, **2015**, 115, 397-405.e3	3.9	10
118	A population-specific reference panel empowers genetic studies of Anabaptist populations. *Scientific Reports*, **2017**, 7, 6079	4.9	10
117	Prioritizing Approaches to Engage Community Members and Build Trust in Biobanks: A Survey of Attitudes and Opinions of Adults within Outpatient Practices at the University of Maryland. *Journal of Personalized Medicine*, **2015**, 5, 264-79	3.6	10
116	Familial aggregation of tobacco use behaviors among Amish men. *Nicotine and Tobacco Research*, **2014**, 16, 923-30	4.9	10
115	Genetics of obesity: more complicated than initially thought. *Lipids*, **2003**, 38, 97-101	1.6	10
114	Analysis of the peroxisome proliferator activated receptor gamma (PPARgamma) gene in HAIRAN syndrome with obesity. *Clinical Endocrinology*, **2000**, 52, 479-85	3.4	10
113	Assignment of the human pancreatic regenerating (REG) gene to chromosome 2p12. *Genomics*, **1994**, 20, 305-7	4.3	10
112	The Pharmacogenomics of Anti-Platelet Intervention (PAPI) Study: Variation in Platelet Response to Clopidogrel and Aspirin. *Current Vascular Pharmacology*, **2016**, 14, 116-24	3.3	9
111	Pharmacogenomics of anti-platelet and anti-coagulation therapy. *Current Cardiology Reports*, **2013**, 15, 381	4.2	9
110	Homozygosity by descent mapping of blood pressure in the Old Order Amish: evidence for sex specific genetic architecture. *BMC Genetics*, **2007**, 8, 66	2.6	9
109	Exome-chip meta-analysis identifies association between variation in ANKRD26 and platelet aggregation. *Platelets*, **2019**, 30, 164-173	3.6	9
108	Genome-wide analysis provides genetic evidence that ACE2 influences COVID-19 risk and yields risk scores associated with severe disease.. *Nature Genetics*, **2022**,	36.3	9

107	Gene Expression Differences Between Offspring of Long-Lived Individuals and Controls in Candidate Longevity Regions: Evidence for PAPSS2 as a Longevity Gene. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2016**, 71, 1295-9	6.4	8
106	Establishing the role of in protein-losing enteropathy: a homozygous missense variant leads to an attenuated phenotype. *Journal of Medical Genetics*, **2018**, 55, 779-784	5.8	8
105	Genome-wide association studies identified novel loci for non-high-density lipoprotein cholesterol and its postprandial lipemic response. *Human Genetics*, **2014**, 133, 919-30	6.3	8
104	Analysis of the bereavement effect after the death of a spouse in the Amish: a population-based retrospective cohort study. *BMJ Open*, **2014**, 4, e003670	3	8
103	Extent and distribution of linkage disequilibrium in the Old Order Amish. *Genetic Epidemiology*, **2010**, 34, 146-50	2.6	8
102	Autosome-wide linkage analysis of hip structural phenotypes in the Old Order Amish. *Bone*, **2008**, 43, 607-12	4.7	8
101	Genetic nondiscrimination legislation: a critical prerequisite for pharmacogenomics data sharing. *Pharmacogenomics*, **2007**, 8, 519	2.6	8
100	Genes and pathophysiology of type 2 diabetes: more than just the Randle cycle all over again. *Journal of Clinical Investigation*, **2004**, 114, 1414-7	15.9	8
99	Variants in ANGPTL4 and the Risk of Coronary Artery Disease. *New England Journal of Medicine*, **2016**, 375, 2305-2306	59.2	8
98	Polygenic Risk of Psychiatric Disorders Exhibits Cross-trait Associations in Electronic Health Record Data From European Ancestry Individuals. *Biological Psychiatry*, **2021**, 89, 236-245	7.9	8
97	Next generation sequencing and the classical HLA loci in full heritage Pima Indians of Arizona: Defining the core HLA variation for North American Paleo-Indians. *Human Immunology*, **2019**, 80, 955-965	2.3	7
96	Lipid Metabolism, Abdominal Adiposity, and Cerebral Health in the Amish. *Obesity*, **2017**, 25, 1876-1880	8	7
95	Genome-wide association analyses highlight etiological differences underlying newly defined subtypes of diabetes. *Nature Genetics*, **2021**, 53, 1534-1542	36.3	7
94	A Template for Authoring and Adapting Genomic Medicine Content in the eMERGE Infobutton Project **2014**, 2014, 944-53	0.7	7
93	Genetic Variants of PEAR1 are Associated with Platelet Function and Antiplatelet Drug Efficacy: A Systematic Review and Meta-Analysis. *Current Pharmaceutical Design*, **2017**, 23, 6815-6827	3.3	7
92	Increased usual physical activity is associated with a blunting of the triglyceride response to a high-fat meal. *Journal of Clinical Lipidology*, **2019**, 13, 109-114	4.9	7
91	Genome-wide association analysis of common genetic variants of resistant hypertension. *Pharmacogenomics Journal*, **2019**, 19, 295-304	3.5	7
90	An APOO Pseudogene on Chromosome 5q Is Associated With Low-Density Lipoprotein Cholesterol Levels. *Circulation*, **2018**, 138, 1343-1355	16.7	6

89	From Genotype to Phenotype: Nonsense Variants in SLC13A1 Are Associated with Decreased Serum Sulfate and Increased Serum Aminotransferases. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2909-18	3.2	6
88	Spaced administration of PA32540 and clopidogrel results in greater platelet inhibition than synchronous administration of enteric-coated aspirin and enteric-coated omeprazole and clopidogrel. *American Heart Journal*, **2013**, 165, 176-82	4.9	6
87	Extension of GWAS results for lipid-related phenotypes to extreme obesity using electronic health record (EHR) data and the Metabochip. *Frontiers in Genetics*, **2014**, 5, 222	4.5	6
86	Molecular Scanning of □3-Adrenergic Receptor Gene in Total Congenital Lipoatrophic Diabetes Mellitus. *Journal of Clinical Endocrinology and Metabolism*, **1997**, 82, 3395-3398	5.6	6
85	Genome sequencing unveils a regulatory landscape of platelet reactivity. *Nature Communications*, **2021**, 12, 3626	17.4	6
84	The CAPN2/CAPN8 Locus on Chromosome 1q Is Associated with Variation in Serum Alpha-Carotene Concentrations. *Journal of Nutrigenetics and Nutrigenomics*, **2016**, 9, 254-264		6
83	Homozygosity for CHEK2 p.Gly167Arg leads to a unique cancer syndrome with multiple complex chromosomal translocations in peripheral blood karyotype. *Journal of Medical Genetics*, **2020**, 57, 500-504	5.8	6
82	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. *Kidney International*, **2021**, 99, 926-939	9.9	6
81	GWAS of serum ALT and AST reveals an association of SLC30A10 Thr95Ile with hypermanganesemia symptoms. *Nature Communications*, **2021**, 12, 4571	17.4	6
80	Genetic Variation in PEAR1, Cardiovascular Outcomes and Effects of Aspirin in a Healthy Elderly Population. *Clinical Pharmacology and Therapeutics*, **2020**, 108, 1289-1298	6.1	5
79	Paediatric systemic lupus erythematosus as a manifestation of constitutional mismatch repair deficiency. *Journal of Medical Genetics*, **2020**, 57, 505-508	5.8	5
78	Clopidogrel pharmacogenetics: Beyond candidate genes and genome-wide association studies. *Clinical Pharmacology and Therapeutics*, **2017**, 101, 323-325	6.1	5
77	A common variant in fibroblast growth factor binding protein 1 (FGFBP1) is associated with bone mineral density and influences gene expression in vitro. *Bone*, **2010**, 47, 272-80	4.7	5
76	Role of a proline insertion in the insulin promoter factor 1 (IPF1) gene in African Americans with type 2 diabetes. *Diabetes*, **2006**, 55, 2909-14	0.9	5
75	Hepatic lipase genotype, diabetes risk, and implications for preventative medicine. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 2015-8	5.6	5
74	BMI in the Old Order Amish. *Medicine and Science in Sports and Exercise*, **2004**, 36, 1447; author reply 1448	1.2	5
73	Clopidogrel Improves Skin Microcirculatory Endothelial Function in Persons With Heightened Platelet Aggregation. *Journal of the American Heart Association*, **2016**, 5,	6	5
72	Polyherbal dietary supplementation for prediabetic adults: study protocol for a randomized controlled trial. *Trials*, **2019**, 20, 24	2.8	5

71	Heritability of plasma neopterin levels in the Old Order Amish. *Journal of Neuroimmunology*, **2017**, 307, 37-41	3.5	4
70	A case of congenital generalized lipodystrophy: metabolic effects of four dietary regimens. Lack of association of CGL with polymorphism in the lamin A/C Gene. *Clinical Endocrinology*, **2001**, 54, 412-4	3.4	4
69	RNA Template-Specific Polymerase Chain Reaction (RS-PCR) : A Modification of RNA-PCR that Dramatically Reduces the Frequency of False Positives. *Methods in Molecular Biology*, **1993**, 15, 169-76	1.4	4
68	Using Workflow Modeling to Identify Areas to Improve Genetic Test Processes in the University of Maryland Translational Pharmacogenomics Project **2015**, 2015, 466-74	0.7	4
67	Self-Reported Sleep Duration and Pattern in Old Order Amish and Non-Amish Adults. *Journal of Clinical Sleep Medicine*, **2019**, 15, 1321-1328	3.1	4
66	Cardiovascular risks impact human brain -acetylaspartate in regionally specific patterns. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25243-25249	11.5	4
65	Effect of serum zinc and copper levels on insulin secretion, insulin resistance and pancreatic □cell dysfunction in US adults: Findings from the National Health and Nutrition Examination Survey (NHANES) 2011-2012. *Diabetes Research and Clinical Practice*, **2021**, 172, 108627	7.4	4
64	Rare genetic coding variants associated with human longevity and protection against age-related diseases. *Nature Aging*, **2021**, 1, 783-794		4
63	Use of Genome Scans to Identify Susceptibility Genes for Type 2 Diabetes. *Growth Hormone*, **2001**, 231-250		4
62	Analysis of rare genetic variation underlying cardiometabolic diseases and traits among 200,000 individuals in the UK Biobank.. *Nature Genetics*, **2022**,	36.3	4
61	Characterization of Exome Variants and Their Metabolic Impact in 6,716 American Indians from the Southwest US. *American Journal of Human Genetics*, **2020**, 107, 251-264	11	3
60	Serum alanine aminotransferase is correlated with hematocrit in healthy human subjects. *Scandinavian Journal of Clinical and Laboratory Investigation*, **2012**, 72, 258-64	2	3
59	No effect of Trp64Arg beta3-adrenoceptor polymorphism on the plasma leptin concentration in Pima Indians. *Metabolism: Clinical and Experimental*, **1998**, 47, 1525-7	12.7	3
58	Molecular scanning of the beta-3-adrenergic receptor gene in Pima Indians and Caucasians. *Diabetes/Metabolism Research and Reviews*, **1999**, 15, 175-80	7.5	3
57	Rapid synthesis of standards for allele-specific oligonucleotide hybridization. *Trends in Genetics*, **1994**, 10, 184-5	8.5	3
56	Preparation and properties of poly(2,2-dialkyltrimethylene sulphones). *Polymer*, **1981**, 22, 1283-1284	3.9	3
55	The free energy of vacancy pairs. *Journal of Chemical Physics*, **1978**, 69, 4114-4116	3.9	3
54	Profiling copy number variation and disease associations from 50,726 DiscovEHR Study exomes		3

53	Increased Gut Microbiome Diversity Following a High Fiber Mediterranean Style Diet. *FASEB Journal* , **2013**, 27, 1056.3	0.9	3
52	Prevalence, control, and treatment of diabetes, hypertension, and high cholesterol in the Amish. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	3
51	Similar burden of pathogenic coding variants in exceptionally long-lived individuals and individuals without exceptional longevity. *Aging Cell*, **2020**, 19, e13216	9.9	3
50	The diagnostic efficacy of exome data analysis using fixed neurodevelopmental gene lists: Implications for prenatal setting. *Prenatal Diagnosis*, **2021**, 41, 701-707	3.2	3
49	A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids. *Nature Communications*, **2021**, 12, 3987	17.4	3
48	Whole genome sequence analyses of eGFR in 23,732 people representing multiple ancestries in the NHLBI trans-omics for precision medicine (TOPMed) consortium. *EBioMedicine*, **2021**, 63, 103157	8.8	3
47	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential.. *Science Advances*, **2022**, 8, eabl6579	14.3	3
46	and Long QT Syndrome in 1/45 Amish: The Road From Identification to Implementation of Culturally Appropriate Precision Medicine. *Circulation Genomic and Precision Medicine*, **2020**, 13, e003133	5.2	2
45	Evaluation of WISP1 as a candidate gene for bone mineral density in the Old Order Amish. *Scientific Reports*, **2018**, 8, 7141	4.9	2
44	Calcified granulomatous disease: occupational associations and lack of familial aggregation. *Lung*, **2014**, 192, 841-7	2.9	2
43	THE INFLUENCE OF CYTOCHROME P450 2C19*2 AND*17 GENOTYPE, DIPLOTYPE AND METABOLIZER STATUS ON PLATELET REACTIVITY IN PATIENTS ON MAINTENANCE CLOPIDOGREL THERAPY. *Journal of the American College of Cardiology*, **2010**, 55, A130.E1220	15.1	2
42	CYP2C19 and clopidogrel response: more than validation in the real world. *Clinical Pharmacology and Therapeutics*, **2012**, 91, 170-1	6.1	2
41	Vesicle-associated membrane protein 4, a positional candidate gene on 1q24-q25, is not associated with type 2 diabetes in the Old Order Amish. *Molecular Genetics and Metabolism*, **2005**, 85, 133-9	3.7	2
40	Insulin, but not insulin-like growth factor-I, is expressed during early nervous system development in prepancreatic Xenopus embryos. *Annals of the New York Academy of Sciences*, **1993**, 692, 268-9	6.5	2
39	The two nonallelic Xenopus insulin genes are expressed coordinately in the adult pancreas. *General and Comparative Endocrinology*, **1994**, 95, 169-77	3	2
38	N-cyclo-[Leu5]enkephalin: a rational approach for the synthesis of conformationally restricted cyclic pentapeptides. *Archives of Biochemistry and Biophysics*, **1985**, 238, 111-7	4.1	2
37	Mapping Genes in Isolated Populations: Lessons from the Old Order Amish **2015**, 141-153		2
36	Assessment of the potential role of natural selection in type 2 diabetes and related traits across human continental ancestry groups: comparison of phenotypic with genotypic divergence. *Diabetologia*, **2020**, 63, 2616-2627	10.3	2

35	Genome-wide association analysis of serum alanine and aspartate aminotransferase, and the modifying effects of BMI in 388k European individuals. *Genetic Epidemiology*, **2021**, 45, 664-681	2.6	2
34	When phenotype does not match genotype: importance of "real-time" refining of phenotypic information for exome data interpretation. *Genetics in Medicine*, **2021**, 23, 215-221	8.1	2
33	The role of phenotype-based search approaches using public online databases in diagnostics of Mendelian disorders. *Genetics in Medicine*, **2021**, 23, 1095-1100	8.1	2
32	Two intronic cis-acting variants in both alleles of the POLR3A gene cause progressive spastic ataxia with hypodontia. *Clinical Genetics*, **2021**, 99, 713-718	4	2
31	Clinical and genetic validity of quantitative bipolarity. *Translational Psychiatry*, **2019**, 9, 228	8.6	1
30	Genetic and functional evidence links a missense variant in to lower LDL and fibrinogen. *Science*, **2021**, 374, 1221-1227	33.3	1
29	Parkinson's Disease-Related Motor and Nonmotor Symptoms in the Lancaster Amish. *Neuroepidemiology*, **2020**, 54, 392-397	5.4	1
28	Exome Sequencing Identifies A Nonsense Variant in DAO Associated With Reduced Energy Expenditure in American Indians. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	1
27	Genetic versus stress and mood determinants of sleep in the Amish. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2021**, 186, 113-121	3.5	1
26	Genome-wide survey of parent-of-origin-specific associations across clinical traits derived from electronic health records.. *Human Genetics and Genomics Advances*, **2021**, 2, 100039	0.8	1
25	Cognitive profiles and heritability estimates in the Old Order Amish. *Psychiatric Genetics*, **2016**, 26, 178-83	2.9	1
24	Heterozygosity for a Pathogenic Variant in That Causes Autosomal Recessive Gitelman Syndrome Is Associated with Lower Serum Potassium. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 756-765	12.7	1
23	KCNJ11 Mutation in One Family is Associated with Adult-Onset Rather than Neonatal-Onset Diabetes Mellitus. *AACE Clinical Case Reports*, **2018**, 4, e411-e414	0.7	1
22	The burden of pathogenic variants in clinically actionable genes in a founder population. *American Journal of Medical Genetics, Part A*, **2021**, 185, 3476-3484	2.5	1
21	Sex-specific effects of serum sulfate level and nonsense variants on DHEA homeostasis. *Molecular Genetics and Metabolism Reports*, **2017**, 10, 84-91	1.8	0
20	Historical Overview of Gene Discovery Methodologies in Type 2 Diabetes **2016**, 3-12		0
19	Genetics of the metabolic complications of obesity. *Progress in Molecular Biology and Translational Science*, **2010**, 94, 349-72	4	0
18	A missense variant Arg611Cys in LIPE which encodes hormone sensitive lipase decreases lipolysis and increases risk of type 2 diabetes in American Indians. *Diabetes/Metabolism Research and Reviews*, **2021**, e3504	7.5	0

17	Multiple dimensions of stress vs. genetic effects on depression. *Translational Psychiatry*, **2021**, 11, 254	8.6	0
16	Clinical characterization of familial hypercholesterolemia due to an amish founder mutation in Apolipoprotein B.. *BMC Cardiovascular Disorders*, **2022**, 22, 109	2.3	0
15	An Amish founder population reveals rare-population genetic determinants of the human lipidome.. *Communications Biology*, **2022**, 5, 334	6.7	0
14	Pharmacogenomic Study of Statin-Associated Muscle Symptoms in the ODYSSEY OUTCOMES Trial.. *Circulation Genomic and Precision Medicine*, **2022**, 101161CIRCGEN121003503	5.2	0
13	Impact of natural selection on global patterns of genetic variation and association with clinical phenotypes at genes involved in SARS-CoV-2 infection.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2123000119	11.5	0
12	Carrying one or two reduced-function CYP2C19 alleles is associated with an increased risk of major adverse cardiovascular events in people undergoing percutaneous coronary intervention and treated with clopidogrel. *Evidence-Based Medicine*, **2011**, 16, 124-5		
11	Genetic Determinants of Arterial Thrombosis193-210		
10	Autoantibodies in Type 1 and Type 2 diabetes in the Old Order Amish of Lancaster County, Pennsylvania. *Diabetologia*, **2003**, 46, 1024-5	10.3	
9	Does bariatric surgery reduce obesity-related comorbidities?. *Current Diabetes Reports*, **2005**, 5, 133-5	5.6	
8	Determination of the genomic structures of two nonallelic preproinsulin genes in Xenopus laevis using the polymerase chain reaction. *General and Comparative Endocrinology*, **1995**, 97, 220-30	3	
7	Rapid (ligase-free) subcloning of polymerase chain reaction products. *Methods in Molecular Biology*, **1993**, 15, 229-39	1.4	
6	The β-Adrenergic Receptor and Susceptibility to Obesity, the Insulin Resistance Syndrome, and Noninsulin-Dependent Diabetes Mellitus **1998**, 301-319		
5	Genetics of Type 2 Diabetes: From Candidate Genes to Genome-Wide Association Analysis **2016**, 1-24		
4	Genetics of Type 2 Diabetes: From Candidate Genes to Genome-Wide Association Analysis **2017**, 1-24		
3	Genetics of Type 2 Diabetes: From Candidate Genes to Genome-Wide Association Analysis **2017**, 191-214		
2	Genetics of Type 2 Diabetes: From Candidate Genes to Genome-Wide Association Analysis **2010**, 147-163		
1	Next generation sequencing for HLA loci in full heritage Pima Indians of Arizona, Part II: HLA-A, -B, and -C with selected non-classical loci at 4-field resolution from whole genome sequences. *Human Immunology*, **2021**, 82, 385-403	2.3	