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Supplementary appendix

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Identification of new susceptibility loci for osteoarthritis -the arcOGEN study

WEBAPPENDIX SUPPLEMENTARY MATERIAL

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WEBAPPENDIX

SUPPLEMENTARY METHODS

arcOGEN samples

Cases. The arcOGEN case samples were collected and genotyped in two stages. All participants gave written informed consent and the study protocols were reviewed and approved by the appropriate review committees. The stage one samples comprised 3,086 cases from existing DNA collections from five United Kingdom locations within the arcOGEN consortium (London, Nottingham, Oxford, Sheffield, and Southampton). The detailed characteristics of these cases are described elsewhere.[1] Briefly, all were unrelated and of European origin, and all had primary OA of the hip or knee of radiographic Kellgren-Lawrence (KL) grade ≥2, or clinical evidence of disease to a level requiring total joint replacement (TJR). The exclusion criteria included the need for joint replacement due to fracture, secondary OA of any cause, and developmental, vascular, or infective causes of joint disease.

The stage two cases were collected prospectively as part of the arcOGEN study at nine locations across the UK (Edinburgh, London, Newcastle-Upon-Tyne, Nottingham, Oxford, Sheffield, Southampton, Wansbeck, and Worcester). The ascertainment criterion for the majority of cases (n=4,212) was primary OA that was severe enough for the individual to require joint replacement of the hip or of the knee; an additional small number (n=112) of cases were collected as part of a randomized, placebo controlled trial of vitamin D replacement (VIDEO Study) where the ascertainment criterion was radiographic disease of the knee, with a KL grade ≥2. All cases were unrelated and of European origin. The exclusion criteria included the need for joint replacement due to fracture, secondary OA of any cause, and developmental, vascular, or infective causes of joint disease. The prospective collections were approved by the National Research Ethics Service in the United Kingdom, and all subjects provided written, informed consent prior to inclusion. The arcOGEN stage one and two study sample characteristics are summarized in Table 1.

Controls. The study used two different types of controls: population-based, unrelated UK controls which came from five distinct sources: the 1958 Birth Cohort (58BC) and the UK Blood Donor Service (UKBS) from the Wellcome Trust Case Control Consortium 2 (WTCCC2) study, the 1958 Birth Cohort from the Type 1 Diabetes Genetics Consortium (T1DGC) study, the Avon Longitudinal Study of Parents and Children (ALSPAC) and the People of the British Isles (PoBI) study (ST1); and unrelated, OA-free controls (females only) from the TwinsUK cohort which comprises twins ascertained to study the heritability and genetics of age-related diseases.[2] These unselected twins were recruited from the general population through national media campaigns in the UK and shown to be comparable to age-matched population singletons in terms of disease-related and lifestyle characteristics.[3]

Genome-wide genotyping

DNA sample preparation and quality control (QC). Genomic DNA from extant cohorts and blood samples from new cases were shipped by the collection centers to the Centre for Integrated Genomic Medical Research (CIGMR), University of Manchester, for processing. DNA extraction was performed as previously described.[1] 2D bar coded matrix plates and patient data manifests for each set of 96 DNAs were shipped to The Wellcome Trust Sanger Institute, Hinxton. The quality of the DNA and subject identity were validated using a Sequenom iPLEX assay designed to genotype four gender-specific SNPs and 26 SNPs present on the Illumina Human 610-Quad array (Illumina, San Diego, USA). Sample preparation (quantification of DNA concentration and QC criteria) was performed as previously described.[1]

Genotyping and allele calling. DNA samples passing QC were rearrayed into 96-well plates for genotyping using Illumina Human 610-Quad BeadChips (Illumina, San Diego, USA), which captures ~90% of common variation in European populations[4], as previously described.[1] Normalized bead intensity data obtained for each sample were converted into SNP genotypes using the Illuminus genotype calling algorithm.[5] The same calling algorithm was used for the controls.

Genotype quality control

Sample QC. Sample QC was performed separately for the cases and each control cohort. We used the same method as previously described.[1] Briefly, individuals were excluded if they had a call rate <97% and if they had a discrepancy between the supplied gender and the gender that was inferred using X-chromosome heterozygosity rates in PLINK.[6] We also excluded samples with excess genome-wide homozygosity and heterozygosity (based on autosomal SNPs only) by examining histograms and removing visual outliers. The thresholds we chose for each particular data set were: arcOGEN cases <30·5% and >34%; ALSPAC <30·5% and >33%; PoBI <26·8% and >28·3%; T1DGC <31% and >32·75%; WTCCC2-58BC <32·5% and >33·74%; WTCCC2-UKBS <26·6% and >28·1%; and TwinsUK <30·42% and >32·67%. We removed duplicated/related samples by calculating the genome-wide pair-wise identity by descent (IBD) for each sample; we excluded any sample with a $\pi^{\wedge} >0{\cdot}2$.[6] We examined ethnicity by performing multidimensional scaling (MDS)[6] and principle component analysis (PCA) using Goldsurfer2[7]; we combined autosomal information from each of our populations with 210 founders from the HapMap phase II release 23a data, which included the European (CEU), African (YRI) and Chinese/Japanese (ASN) populations and we excluded samples of non-European descent. There were 7709 cases pre sample QC and SNP QC was performed on 7,420 cases as described below. Subsequently we removed ten cases that failed other phenotype checks. For the ALSPAC, PoBI, WTCCC2-58BC and WTCCC2-UKBS cohorts we excluded individuals identified from additional QC analyses performed by the suppliers of the datasets. The number of samples

passing all QC filters from each population-based cohort is shown in ST1. Sample QC of the female OA-free controls from the TwinsUK dataset has been previously described.[1] We also excluded 47 samples that failed QC when the normalized intensity data for these samples were pooled with data from a further three genotype platforms HumanHap300, 1M-Duo and 1·2M-Duo (Illumina, San Diego, USA) using the following criteria (i) sample call rate <98%; (ii) heterozygosity across all SNPs ≥2 SD from the sample mean; (iii) evidence of non-European ancestry, assessed by PCA comparison with HapMap phase III populations; (iv) observed pairwise IBD probabilities suggestive of sample identity errors. We also excluded 154 samples that were part of the TwinsUK replication set. 1,828 OA-free samples passing QC and not overlapping with the TwinsUK replication dataset were used for further analyses.

SNP QC. SNP QC was performed separately for the cases and each control cohort on autosomal SNPs using thresholds that have been previously described.[1] In short, SNPs were excluded if they had a minor allele frequency (MAF) ≥5% and a call rate <95%, or a MAF <5% and call rate <99%. All monomorphic SNPs were excluded and also those SNPs with an exact Hardy Weinberg Equilibrium (HWE) p <0·0001. The number of SNPs prior to QC for each dataset was: for the arcOGEN cases: 599,011; for ALSPAC 580,030; for PoBI 1,090,938; for T1DGC 547,458; WTCCC2-58BC 1,115,428; WTCCC2-UKBS 1,115,428. The number of SNPs that passed standard QC in each dataset was: for arcOGEN cases 558,546; for ALSPAC 542,060; for PoBI 965,407; for T1DGC 535,266; for WTCCC2-58BC 1,005,923; for WTCCC2-UKBS 996,623; for TwinsUK 542,037. We extracted 492,811 overlapping SNPs between all population-based control datasets and performed pairwise association tests for all possible pairs. Following inspection of qq plots 866 SNPs with multiplicative $p<10^{-4}$ were removed from all population-based control datasets prior to pooling them into one common control group. 490,130 SNPs from the common control group overlapped with the clean arcOGEN cases SNPs. Finally we removed 70 SNPs following inspection of intensity plots of the top signals ($p<10^{-5}$) that were identified in our case/control association analyses and 4,569 SNPs with MAF <1% (estimated separately for each cohort). The resulting OA cases v. population-based controls dataset contained 7,410 cases, 11,009 controls and 485,491 autosomal SNPs (Table 1). From the TwinsUK dataset 532,499 autosomal SNPs overlapped with the QCed SNPs for arcOGEN cases. We also removed 72 SNPs following inspection of intensity plots of the top signals ($p<10^{-5}$) that were identified in our case/control association analyses and 193 SNPs with MAF <1%. The resulting female OA cases v. OA-free controls from the TwinsUK dataset contained 4,476 cases, 1,828 controls and 532,234 autosomal SNPs (Table 1). Additional QC for differential missingness between cases and controls was performed for the top signals and is described in the section on prioritization of SNPs for replication.

Association analysis of stage 1 and 2 genotype data
Case/control association analyses were carried out using either population-based controls (Table 1 and ST1) or OA-free controls (females only) (Table 1). For the cases v. population-based control analyses 485,491 autosomal SNPs were analyzed under the multiplicative (or log additive) model using PLINK.[6] Analyses were also carried out stratifying the cases by joint site of OA, gender and also by OA severity (TJR cases only). For the female cases v. female OA-free TwinsUK controls association analyses 532,234 SNPs were analyzed under the multiplicative model. Stratifications were performed according to joint site and severity of OA. The genomic control (GC) value is given as the calibrated inflation factor λ_{1000}.[8, 9]

Principal Component Analysis
To account for population stratification we performed principal components analysis (PCA) using EIGENSTRAT.[10] We repeated all genome-wide analyses by using the first ten PCs as covariates in a logistic regression analysis using PLINK.[6] In addition, we visualized qqplots and calculated the calibrated inflation factor λ_{1000} in all PC-adjusted and unadjusted analyses.[8, 9]

Prioritization of SNPs for replication
We prioritized 129 SNPs for follow-up by *in silico* replication by the deCODE, EGCUT, GARP, Rotterdam (RSI and RSII cohorts) and TwinsUK studies primarily based on statistical significance. Briefly, we prioritized signals with multiplicative model $p<10^{-5}$ in the OA v. controls and all other stratified cases v. controls unadjusted analyses and investigated their QC properties. SNPs with differential missingness $p<10^{-4}$ between cases and controls were not taken forward. Similarly, SNPs with poor cluster plots (plotted separately for the cases and for each control group) were omitted from further analyses. We preferentially selected SNPs with MAF>5% to boost power of replication. Independent SNPs were defined on the basis of $r^2<0·4$. We prioritized 100 SNPs, representing 98 independent signals, from the OA v. population-based controls analyses and 29 different SNPs, representing 29 independent signals, from the OA v. OA-free controls analyses (ST4).
After obtaining *in silico* replication data from the deCODE, EGCUT, GARP, Rotterdam and TwinsUK studies, we carried out a meta-analysis across all available data and prioritized 26 of the 129 SNPs for *de novo* replication on the basis of their overall statistical significance (ST5).

Imputation and analysis of imputed data
We imputed genotypes for autosomal SNPs that were present in HapMap Phase III but were not present in the genome-wide chip or did not pass direct genotyping QC. In each sample, genotypes were imputed using the directly typed data and phased genotype data from all HapMap III populations.[11] Genotypes were imputed using the program IMPUTEv2[12] which determines the probability distribution of missing genotypes conditional on a set of known haplotypes and an estimated fine-scale recombination map. Imputation was based on 485,077 autosomal SNPs with MAF>0·01 (excluding SNPs that demonstrated poor genotype clustering upon manual inspection). Analysis of imputed SNPs was carried out using

SNPTESTv2 appropriately accounting for the probability distributions of imputed genotypes.[13] We included only SNPs which passed post-imputation QC filters as follows: MAF >0·01 in cases and controls and an imputation information score >0·4. To examine whether any additional signals have arisen following imputation we removed all SNPs with $p \leq 10^{-3}$ within 100Kb of the 129 prioritized SNPs (SF4) (except for rs11177 and rs6976 for which SNPs within 500kb were removed due to extended LD within the associated region).

***In silico* replication samples, genotyping and analysis**

We sought to replicate in as large a sample size as possible and selected five OA cohorts that had previously been subjected to a GWAS for *in silico* replication of promising signals from the arcOGEN GWAS in the first instance: deCODE, EGCUT, GARP, the Rotterdam study (RSI and RSII cohorts) and TwinsUK (Table 1). Summary association statistics (under the log-additive model) were shared for 129 SNPs by EGCUT, RSI, RSII and TwinsUK, and 128 SNPs by deCODE and GARP. The results of these analyses guided the selection of 26 SNPs for further *de novo* replication.

deCODE. The study population comprises patients with OA of the knee and/or hip obtained on the basis of patients' records at hospitals and health care centers in Iceland.[14] All OA patients had undergone joint replacement surgery of the knee or the hip. A clinician reviewed the patient records to verify the diagnosis. Control individuals were recruited as part of various genetic programs at deCODE. All individuals who had chip genotype data that passed quality control were included in the control group provided they had ever been on any OA list. The study was approved by the Data Protection Authority of Iceland and the National Bioethics Committee of Iceland. Informed consent was obtained from all participants. The samples were assayed with the Infinium HumanHap300 or HumanCNV370 SNP chips (Illumina, San Diego, USA) and called with BeadStudio. All of the genotyped SNPs tested in this report passed quality filtering (call rate >96%, MAF >0·01, HWE $p > 1x10^{-6}$ on any of the three chip types used [HumanHap300, HumanHap300-Duo, and HumanCNV370]). SNPs were imputed using the IMPUTE software[13] and phased haplotypes for the HapMap phase II CEU sample set data release 22. The difference in frequency of each SNP was tested, assuming an additive model, using using a logistic regression test. Any samples with a yield <98% were excluded from the analysis.

Estonian Genome Center, University of Tartu (EGCUT). The Estonian cohort is drawn from the population-based biobank of the Estonian Genome Center of University of Tartu (EGCUT). The whole project is conducted according to the Estonian Genes Research Act and all participants have signed the informed consent.[15-17] The current cohort size is over 51,515, from 18 years of age and over, which reflects closely the age distribution of the adult Estonian population. Subjects were recruited randomly when visiting general practitioners (GPs) or hospitals. Each recruit filled out a Computer Assisted Personal interview during 1-2 hours at a doctor's office, including personal data (place of birth, place(s) of living, nationality etc.), genealogical data (family history, three generations), educational and occupational history, and lifestyle data (physical activity, dietary habits, smoking, alcohol consumption, women's health, quality of life). Anthropometric and physiological measurements were also taken. OA was diagnosed by a GP and by an orthopedic surgeon or rheumatologist based on clinical symptoms (pain, stiffness and synovitis) and confirmed by imaging techniques (X-ray, CT scan or MRI). The OA cases for the current study had an ICD10 M16 and/or M17 diagnosis. All diseases are defined according to the ICD10 coding.[18] At the moment of recruitment, the controls did not report diagnosis of osteoarthritis, psoriasis or autoimmune diseases. All the samples were genotyped with Illumina HumanCNV370 or HumanOmniExpress (Illumina, San Diego, USA) according to the Illumina protocol13 in the Estonian Biocenter. Data quality control was performed with PLINK[6] (SNP call rate >98%; sample call rate >95%; MAF >0·01; HWE $p > 10^{-6}$; cryptic relatedness). Imputation was performed with IMPUTE[13] and phased haplotypes from HapMap phase II release 22 data. Association analyses were carried out with SNPTEST.[13] Inflation factors for directly genotyped and imputed data were 1·02 and 1·01 respectively.

Genetics OsteoArthritis and Progression (GARP) Study. The GARP study from Leiden, the Netherlands, consists of 192 sibling pairs concordant for clinical and radiographically confirmed OA at two or more joint sites among hand, spine (cervical or lumbar), knee or hip. As controls, we used a random sample of 1,670 middle aged subjects from the Rotterdam study. Written informed consent was obtained from each subject as approved by the ethical committees of the Leiden University Medical Center and Erasmus Medical Center. In the GARP study, conventional radiographs of the hands (dorso-volar), knees (posterior-anterior (PA) in weight bearing semiflexed and lateral), hips (PA), lumbar (PA and lateral), and cervical spine (anterior-posterior, lateral, and transbuccal) were obtained from all participants. Radiographic characteristics of OA were defined according to KL grade whereas symptoms were defined as pain in the particular joint on most days of the prior month which is in accordance with the American College of Rheumatology (ACR) recommendations and described in detail elsewhere.[19] For the current study cases with radiographic OA (KL grade≥ 2), knee (N=148), hip (N=106) and knee and/or hip (N=215) were selected. Genotypes of the replication SNPs were filtered from genome wide scan data. For the GARP study the genome wide scan was genotyped using Illumina Infinium HD Human660W-Quad BeadChips (Illumina, San Diego, USA). The controls were genotyped using Illumina Infinium II HumanHap550K Beadchips and Illumina Infinium II HumanHap550-Duo BeadChips (Illumina, San Diego, USA), respectively. Imputation was performed using IMPUTE[13] and phased haplotypes from HapMap phase II release 22 data. Betas of the association were obtained by performing the 'score' method in an additive model as implemented in SNPTEST,[13] whereas p-values and standard errors were assessed by applying the score statistic where we adapted the variance by using kinship matrices to adjust for familial dependencies among sibling pairs.[20] For SNPs with poor QC properties, the following proxies were provided: rs1764345 for rs1629896 (r^2=0·71); rs3827809 for rs1876836 (r^2=0·95); rs2739128 for rs10956694 (r^2=0·84); rs7319621 for rs4544137 (r^2=1). There were no highly correlated SNPs to serve as proxies for rs11725992 so this SNP was removed from the dataset.

The Rotterdam study, RSI and RSII cohorts. The Rotterdam Study is a prospective population-based study on determinants of chronic disabling diseases and consists of three sub-populations.[21] The Rotterdam Study I (RSI) is the first cohort of 7,983 persons, aged 55 years and over living in Rotterdam in the Netherlands. This cohort was extended in 1999 with 3,011 participants using the same inclusion criteria (the Rotterdam Study II (RSII)). The medical ethics committee of Erasmus University Medical School approved the study and written informed consent was obtained from each participant. For all sub-populations, subjects were scored for the presence of OA using standardized radiographs of the hip and knee. Hip OA cases were defined as a KL grade≥2 (defined as at least definite JSN) or a total hip replacement (THR). Knee OA cases were defined as a KL grade ≥2 (defined as at least two osteophytes and possible JSN) or a total knee replacement TKR. Hip and knee replacements due to fracture were excluded. Genotyping of the samples of RSI and RSII with the HumanHap550v3 Genotyping BeadChip (Illumina, San Diego, USA) was carried out at the Genetic Laboratory of the Department of Internal Medicine of Erasmus Medical Center, Rotterdam, the Netherlands. The BeadStudio GenCall algorithm was used for genotype calling. QC procedures were as described previously.[22] The following sample exclusion criteria were applied: call rate <97·5%; gender mismatches with typed X-linked markers; autosomal heterozygosity >0·336 ~FDR >0·1%, duplicates and/or first or second degree relatives using IBS probabilities >97% from PLINK; ethnic outliers using IBS distances >3SD from PLINK.[6] Analysis was restricted to SNPs with a call rate ≥98%, MAF ≥0·01, and HWE p ≥$1x10^{-6}$. MACH software was used for imputation and statistical analysis was carried out using MACH2QTL and GRIMP.[23, 24]

TwinsUK replication. The study participants were white unrelated participants randomly chosen from monozygotic and dizygotic twin pairs from the TwinsUK adult twin registry, a cohort used to study the heritability and genetics of age-related diseases.[25] These unselected twins were recruited from the general population through national media campaigns in the UK. In this study, cases had a KL grade ≥2 at the hip or the knee, whereas controls had a KL grade <2 at the hip or the knee. Ethics approval was obtained from the Guy's and St. Thomas' Hospital Ethics Committee. Written informed consent was obtained from every participant. Samples were genotyped with the Infinium HumanHap300 assay (Illumina, San Diego, USA) at the Duke University Genotyping Center (NC USA), Helsinki University (Finland) and the Wellcome Trust Sanger Institute. The Illuminus calling algorithm was used for genotype calling.[5] Analysis was restricted to SNPs with a call rate >90%, MAF ≥0·01, and HWE p ≥$1x10^{-4}$ whilst imputation was performed using IMPUTE.[13] At imputed loci, all genotypes with posterior probabilities <0·9 were discarded and the imputed loci were filtered out using usual QC filters.

***De novo* replication samples, genotyping and analysis**

The case set comprised 2,409 subjects collected from arcOGEN stage one or stage two that had not been included in the GWAS. The control set comprised 2,319 individuals from the WTCC2-58BC and WTCCC2-UKBS cohorts that were not part of the discovery GWAS. Genotyping was performed using the Sequenom MassARRAY iPLEX Gold assay. For the iPLEX Gold, assays for all SNPs were designed using the eXTEND suite and MassARRAY Assay Design software version 3·1 (Sequenom). Samples were amplified in multiplexed PCR reactions before allele-specific extension. Allelic discrimination was obtained by analysis with a MassARRAY Analyzer Compact mass spectrometer. Genotypes were automatically assigned and manually confirmed using MassARRAY Typer Analyzer software version 4·0 (Sequenom). Gender markers were included in iPLEX assays as a QC metric for confirmation of plate/sample identity. The mean assay call rate across both the case and control datasets was 98·9%, excluding samples with a call rate of <80% (97·2% including all samples). For two SNPs that did not pass assay design the following proxies were used: rs13283416 for rs4836732 (r^2=0·86); rs1470185 for rs719535 (r^2=0·96).

Replication data SNP QC

SNPs were further excluded from the *in silico* replication datasets if their call rate was <95%, HWE p <10^{-4} and imputation info score <0·5. SNPs were removed from the *de novo* replication dataset if their call rate was <80%, HWE p <10^{-4} and if the gender in the manifest was discordant with the gender in the Sequenom iPLEX assay. The number of SNPs passing our additional QC criteria from each dataset is shown in Table 1.

Effective sample size

With the exception of deCODE the effective sample size was calculated by multiplying N_eff_cases by 2 using the following formula N_eff_case= 2*N_case*N_ctrl/(N_case + N_ctrl) where N_case is the number of cases and N_ctrl is the number of controls.

Meta-analysis

We used a meta-analysis framework to combine results across replication studies and across all data. Combined estimates of ORs for reference alleles were obtained by weighting the logORs of each study by the inverse of their variance using a fixed effects model. We investigated evidence of heterogeneity of ORs using the Cochran's Q and I^2 statistics.[26, 27] We additionally assessed the combined results using a random effects meta-analysis model. Regional plots of association were plotted using LocusZoom.[28]

BMI adjustment

We investigated attenuation of the 129 prioritized signals and the established obesity loci by carrying out a logistic regression analysis in the OA v. TwinsUK control dataset using BMI as a covariate. The logistic regression analysis for each SNP was performed for the stratum where the lowest p-value had been observed in the discovery set (ST4 and ST11).

eQTL analysis
We performed an eQTL analysis of index variants at association signals using the GTEx (Genotype-Tissue Expression),[29] SCAN[30] and Pritchard laboratories (http://eqtl.uchicago.edu/cgi-bin/gbrowse/eqtl/)[29, 31-36] browsers. *In silico* eQTL analysis suggested that six out of the nine replicating SNPs are likely to be trans expression quantitative trail loci (trans eQTLs), as they regulate the expression of distantly located genes.

Gene expression bioinformatics
Gene expression data were assessed through the NCBI GEO (Gene expression Omnibus) database (http://www.ncbi.nlm.nih.gov/geo/).

ENCODE regulatory regions
We investigated the presence of enhancer and promoter-associated histone modifications, hypersensitive sites, transcription levels, and transcription factors in the chromosomal region encompassing the association signals by accessing the ENCODE project data (http://www.ensembl.org/Homo_sapiens/encode.html). The rs6976 and rs11177 eQTLs are likely to occur within DNase hypersensitive regions, and rs6976 occurs in a putative transcription factor binding region for C_Fos. The SNP rs10492367 is enriched for DNase hypersensitive sites and contains a binding site for the SP1 transcription factor.

RT-PCR gene expression assay
Joint tissues were obtained from individuals undergoing elective joint replacement of the hip or of the knee for OA. The tissues collected were cartilage, tendon, ligament, meniscus, synovium, fat pad, and osteophyte. We also collected cartilage from patients who did not have clinical OA but who instead had undergone a neck-of-femur (NOF) fracture. The local ethics committee granted ethical approval and informed consent was obtained from each donor. RNA was extracted from the tissues as described previously[37] and 1µg of total RNA was then used for each cDNA synthesis using random hexamers, the reverse transcriptase enzyme SuperScript II and the SuperScript kit (Invitrogen). This produced 20µl of cDNA, 0.5µl of which was then used in a 15µl PCR containing 7.5µM each of the gene specific forward and reverse primers (ST13). The PCR products were electrophoresed through 3% w/v agarose gels and stained using ethidium bromide.

Immunohistochemistry and Western Blotting
Cartilage samples were obtained from patients undergoing total knee replacement for osteoarthritis or from normal knee joints obtained from subjects undergoing above knee amputation. Informed consent was obtained in all cases and the studies were approved by NHS Lothian ethical review committee. Immunohistochemical staining for guanine nucleotide-binding protein-like 3 (or nucleostemin) was performed on a touch preparation of fresh human articular cartilage and on cytospins prepared from cultured human articular chondrocytes using a polyclonal goat primary antibody to nucleostemin (R&D Systems®) and a HRP-linked rabbit anti-goat secondary antibody (Dako). The signal was visualised using the DakoEnVision®+ System-HRP (DAB) followed by counterstaining with hematoxylin. Western blots were performed according to standard techniques on protein extracts prepared from short term primary cultures of human articular chondrocytes and probed using a primary monoclonal mouse anti-nucleostemin antibody (Millipore) with detection by a a peroxidase-conjugated AffiniPure Donkey Anti-Mouse IgG (Jackson ImmunoResearch Laboratories, Inc.). This antibody detects a major band corresponding to nucleostemin at approximately 62kD. Protein extracts prepared from the JJ012 chondrosarcoma cell line was used as a positive control following treatment with chondroitinase. Beta-actin was used to control for loading in the Western blots. This was detected using a primary rabbit anti-beta-actin antibody (Sigma) and the same secondary antibody as was used for detection of nucleostemin. The signal was quantitated with GeneTool v.3.06.04 software (Syngene) and levels of nucleostemin were corrected for beta-actin.

SUPPLEMENTARY RESULTS

Population stratification
To eliminate possible false positives arising from hidden population structure we first examined multidimensional scaling plots of our samples and the HapMap II populations and removed individuals with non-European ancestry (Supplementary Methods). Large allelic differences between wide-spread geographical locations have been previously observed in the British population for 13 loci,[38] none of which overlap with the eight loci reported in this study. To ensure these associations did not arise due to population stratification, we repeated the analysis with adjustment for the first ten principal components (PCs) (Supplementary Methods). The inflation factor λ_{1000} values were very similar in the unadjusted compared with the adjusted analyses (ST2) and remained below 1·015 for all strata. The p-values before and after adjustment were also similar for all signals (ST3) therefore we performed all downstream analyses using unadjusted results.

Imputation results
We imputed genotypes at 907,069 HapMap III SNPs based on 485,077 autosomal directly typed SNPs with MAF >0·01. We included only SNPs that passed post-imputation QC filters in downstream analyses. We inspected qq plots prior to and following the removal of SNPs in the vicinity of the 129 SNPs that were taken forward to replication to examine whether any additional signals have arisen following imputation. Following the removal of the 129 prioritized signals from the imputed data analysis no SNPs with $p<10^{-5}$ were identified in any of the strata analyzed across the genome (SF3). We then examined the regional plots of association of the eight novel loci to see whether imputation had given rise to any additional

signals. We find that for all of the eight replicating loci imputation has not resulted in the identification of any additional SNPs with substantially lower (i.e. more than an order of magnitude) p-values than the directly typed SNPs that were followed up (SF4).

Effect of phenotype definition in controls

We performed discovery set analyses using two types of controls: population-based controls unselected for OA (n=11,009) and OA-free controls (females only, n=1,828) from TwinsUK. We examined the strength of association of the three previously established OA loci (ST8) and of the novel signals (Table 2) in the two types of analysis. Here, we focus on the stratum where the most significant meta-analysis p-value was observed. Evidence for association with the *GDF5* proxy SNP rs4911494 was stronger when female knee OA cases (n=2,135) were analyzed using OA-free controls (OR 1·10[1·01-1·21], p=0·039) compared to knee OA cases (n=3,498) analyzed using population-based controls (OR 1·01[0·96-1·07], p=0·726) despite the smaller sample size (ST8). Evidence for association with rs3815148 at the chr7 locus was stronger when knee OA cases were analyzed using population-based controls (OR 1·12[1·05-1·19], p=0·0006) compared to the female knee OA cases v. disease-free controls analysis (OR 1·19[1·07-1·32], p=0·002) (ST8). Similarly, evidence for association with the *MCF2L* SNP rs11842874 was stronger when all OA cases were analyzed using population-based controls (OR 1·13[1·05-1·23], p=0·002) compared to the female analysis employing disease-free controls (OR 1·11[0·95-1·29], p=0·186) (ST8). Evidence for association at the novel loci was similar or stronger in the discovery set analyses employing population-based controls (ST9).

We additionally repeated meta-analyses across the discovery and replication sets using OA-free controls only, for the eight replicating loci in Table 2. We find that, for all eight loci, association was more significant in the analysis employing population-based controls. Effect size estimates for the replicating loci are the same or smaller for all variants except one (*CHST11*) in the meta-analyses employing disease-free controls (ST10).

Previously established OA loci

The genome wide significant locus previously reported on chr7 was associated with knee OA (OR 1·12[1·05-1·19], p=0·0006 for knee OA v. population-based controls) (ST8). The OA-associated SNP rs143383 in *GDF5* was not genotyped in our study. Proxy SNP rs4911494 (r^2=0·93 with rs143383 based on HapMap CEU) showed weak evidence for association in the analysis employing disease-free controls (OR 1·10[1·01-1·21], p=0·039 for female knee OA v. disease-free controls) but no evidence for association in the analysis employing population-based controls (OR 1·01[0·96-1·07], p=0·7256 for knee OA). Association between rs143383 and hip OA was first described in two independent Japanese populations (OR 1·79[1·53-2·09], p=2x10^{-13}).[39] Evidence for association with knee OA was weaker in datasets from China (p=3x10^{-4}) and Japan (p=0·002). A large-scale meta-analysis employing 4,791 hip OA cases and 6,006 controls, and 4,367 knee OA cases and 6,291 controls[40] showed that in samples of European descent there was less compelling evidence for association with hip OA (1·07[1·01-1·14], p=0·034) and more compelling evidence for association with knee OA (1·13[1·06-1·20], p=9x10^{-5}) but with a much weaker effect size than the East Asian set) (ST8). These differences can be ascribed to allele frequency disparities between ethnic groups. The *GDF5* SNP was eventually found to be genome-wide significantly associated with knee OA in Europeans in a subsequent meta-analysis across a total of 6,861 knee OA cases and 10,103 controls.[41] The arcOGEN knee OA discovery set comprises a much smaller number of knee only OA cases (n=3,498), and this could explain the weaker association observed at the *GDF5* proxy SNP. The rs11842874 variant in the *MCF2L* locus was associated with all OA in the full arcOGEN GWAS (OR 1·13[1·05-1·23], p=2·5x10^{-3}) (ST8).

SF1. QQ plots.

Plots A to R show qq plots for arcOGEN cases v. population-based controls. Plots S to X show qq plots for arcOGEN cases v. OA-free controls. The expected p-value is indicated by the red line and the associated 95% confidence intervals are indicated by the black lines either side. The black dots indicate the observed p-values. Because of the large sample size the λ_{1000} is given.[8, 9] A. All OA, λ_{1000}=1·0091; B. Male OA, λ_{1000}= 1·0097; C. Female OA, λ_{1000}= 1·0119; D. TJR, λ_{1000}=1·01; E. Male TJR, λ_{1000}= 1·0089; F. Female TJR, λ_{1000}= 1·012; G. Hip OA, λ_{1000}= 1·011; H. Male hip OA, λ_{1000}=1·0117; I. Female hip OA, λ_{1000}= 1·0129; J. THR, λ_{1000}= 1·0118; K. Male THR, λ_{1000}= 1·0121; L. Female THR, λ_{1000}=1·0131; M. Knee OA, λ_{1000}= 1·013; N. Male knee OA, λ_{1000}= 1·0142; O. Female knee OA, λ_{1000}= 1·0127; P. TKR, λ_{1000}= 1·0133; Q. Male TKR, λ_{1000}= 1·0155; R. Female TKR, λ_{1000}= 1·0145; S. Female OA, λ_{1000}=1·0096; T. Female TJR, λ_{1000}= 1·0122; U. Female hip OA, λ_{1000}= 1·0149; V. Female THR, λ_{1000}= 1·015; W. Female knee, λ_{1000}= 1·0076; X. Female TKR, λ_{1000}= 1·0164.

SF2. Manhattan plots.

Plots A to R show Manhattan plots for arcOGEN cases v. population-based controls. Plots S to X show Manhattan plots for arcOGEN cases v. OA-free controls. The red horizontal line indicates genome-wide significance. A. All OA; B. Male OA; C. Female OA; D. TJR; E. Male TJR; F. Female TJR; G. Hip OA; H. Male hip OA; I. Female hip OA; J. THR; K. Male THR; L. Female THR; M. Knee OA; N. Male knee OA; O. Female knee OA; P. TKR; Q. Male TKR; R. Female TKR; S. Female OA; T. Female TJR; U. Female hip OA; V. Female THR; W. Female knee; X. Female TKR.

SF3. QQ plots for directly typed and imputed data.

QQ plots of the all OA v. population-based controls analysis comprising directly typed and HapMap III imputed SNPs. The expected p-value is indicated by the red line and the associated 95% confidence intervals are indicated by the black lines either side. A. All SNPs following post imputation QC filters; B. All SNPs following post imputation QC filters excluding

SNPs in the vicinity of the 129 prioritized SNPs. The same pattern i.e. deflation of the test statistic following removal of the 129 prioritized loci was observed for all stratified analyses that comprise imputed and directly-typed SNPs.

SF4. Regional plots of the replicating signals in analyses comprising directly genotyped and imputed SNPs.
Case-control association results (-log10 p-value) for imputed and genotyped SNPs in the discovery set are plotted against genomic position (NCBI build 36) for the stratum where the most significant meta-analysis p-value was observed. The index genotyped SNP is denoted by a purple diamond. The circles indicate association results of imputed SNPs and the squares indicate association results of genotyped SNPs in the region; the color reflects the correlation coefficient (r^2) of each genotyped SNP with the index SNP estimated using the CEU HapMap II panel. Estimated recombination rates (in centimorgans per megabase) are plotted in light blue. The region shown in the plots extends to either 500kb upstream and downstream of the index SNP or until the next recombination hotspot if this lies further than 500kb away. a) chr3 signal centered around rs6976 in TJR; b) chr9 signal centered around rs4836732 in female THR; c) chr6 signal centered around rs9350591 in hip OA; d) chr12 signal centered around rs10492367 in hip OA; e) chr12 signal centered around rs835487 in THR; f) chr3 signal centered around rs12107036 in female TKR; g) chr16 signal centered around rs8044769 in females; h) chr6 signal centered around rs10948172 in males.

SF5. a) Immunohistochemical staining for guanine nucleotide-binding protein-like 3 (nucleostemin) in cytospins of cultured human chondrocytes, showing nucleolar localization of the protein. A higher power view is shown in the inset. b) Immunohistochemical staining for nucleostemin in fresh frozen cartilage showing intranuclear staining (arrows). c) Detection of nucleostemin and beta-actin in cultured chondrocytes from control subjects (n=5) and patients with osteoarthritis of the knee (n=5) by Western blotting and in JJ012 chondrosarcoma cells which were used as a positive control (+ve). d) Quantitation of nucleostemin expression corrected for beta-actin using the data derived from panel c. The p-value shown refers to the difference between the OA and control groups. Values in the graphs are mean + sem. MW = Molecular weight kilodaltons (KDa), NS – nucleostemin; actin – beta actin

SF6. Regional association plots of replicating signals approaching genome-wide significance.
Case-control association results (-log10 p-value) for genotyped SNPs in the discovery set are plotted against genomic position (NCBI build 36) for the stratum where the most significant meta-analysis p-value was observed. The index SNP is denoted by a purple diamond in the discovery set and by a purple square in the final meta-analysis. The circles indicate association results of genotyped SNPs in the region; the colour reflects the correlation coefficient (r2) of each genotyped SNP with the index SNP estimated using the CEU HapMap II panel. Estimated recombination rates (in centimorgans per megabase) are plotted in light blue. The region shown in the plots extends to either 500kb upstream and downstream of the index SNP or until the next recombination hotspot if this lies further than 500kb away. a) chr3 signal centered around rs12107036 in female TKR; b) chr16 signal centered around rs8044769 in females; c) chr6 signal centered around rs10948172 in males.

ST1. Population-based controls used in the arcOGEN GWAS.

ST2. λ_{1000} values for the unadjusted analyses and the analyses adjusted for the first ten PCs.

ST3. Association p-values before and after adjustment for the first ten principal components.

ST4. Association summary statistics and genotype counts for the SNPs prioritized for replication for the stratum where the lowest p-value was observed.

ST5. Association summary statistics for the 129 prioritized SNPs in arcOGEN, replication cohorts and meta-analyses across all strata.

ST6. Association summary statistics for the eight replicating signals in the analyses employing all OA cases.

ST7. Association summary statistics for the replicating signals in analyses employing all cases or TJR-only cases.

ST8. Allele frequencies and association summary statistics for previously established OA loci.

ST9. Association summary statistics for the replicating signals in analyses employing population-based controls or OA-free controls in the discovery set.

ST10. Association summary statistics for the replicating signals in meta-analyses including all controls or OA-free controls only.

ST 11. Association p-values before and after BMI adjustment for the 129 prioritized SNPs.

ST 12. Expression in joint tissues, assessed by reverse-transcription PCR. NOF cartilage was collected from patients undergoing surgery for a neck-of-femur fracture.

ST 13. Oligonucleotide primers used to assess expression of the genes in joint tissue RNA.

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SF1

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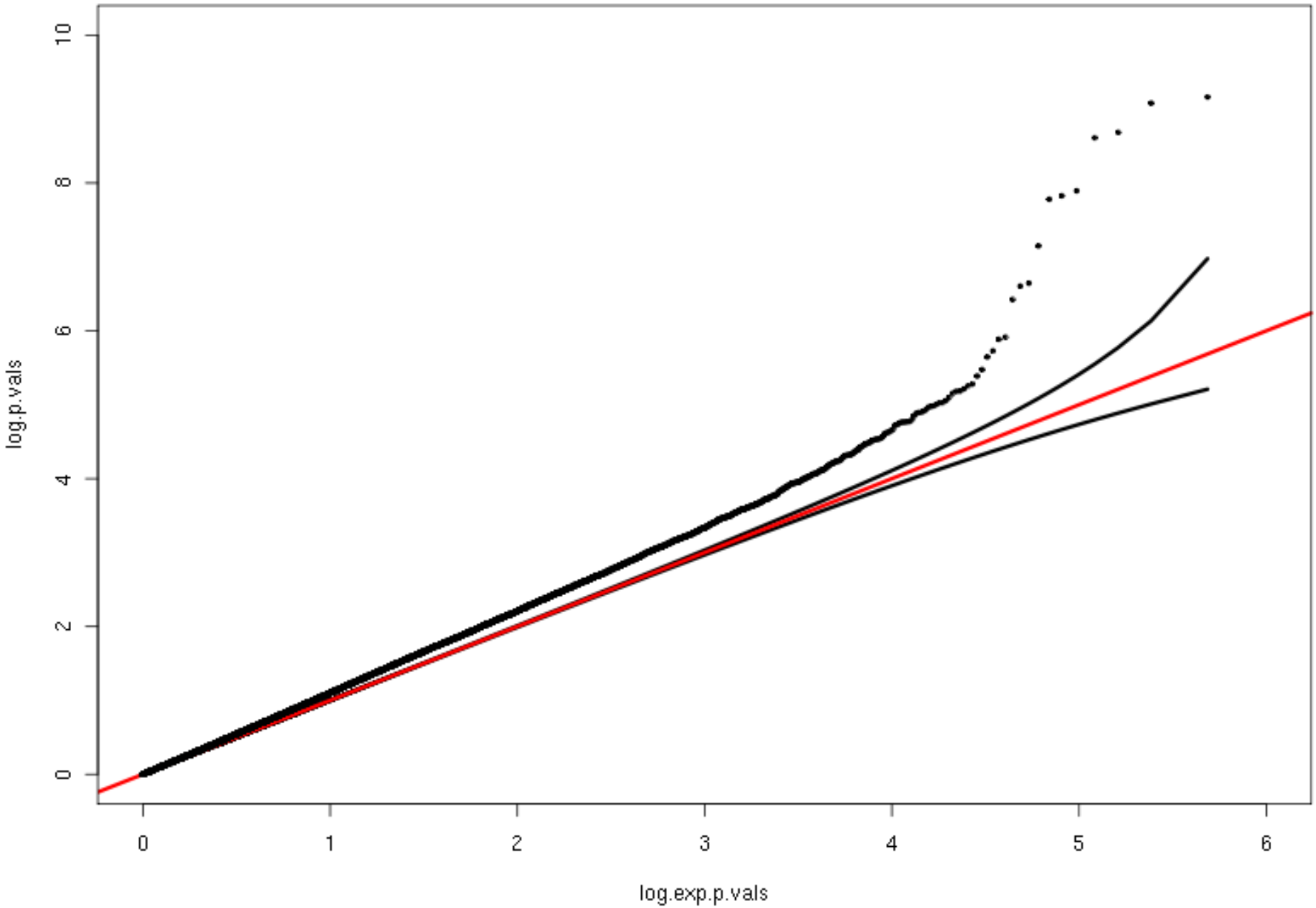

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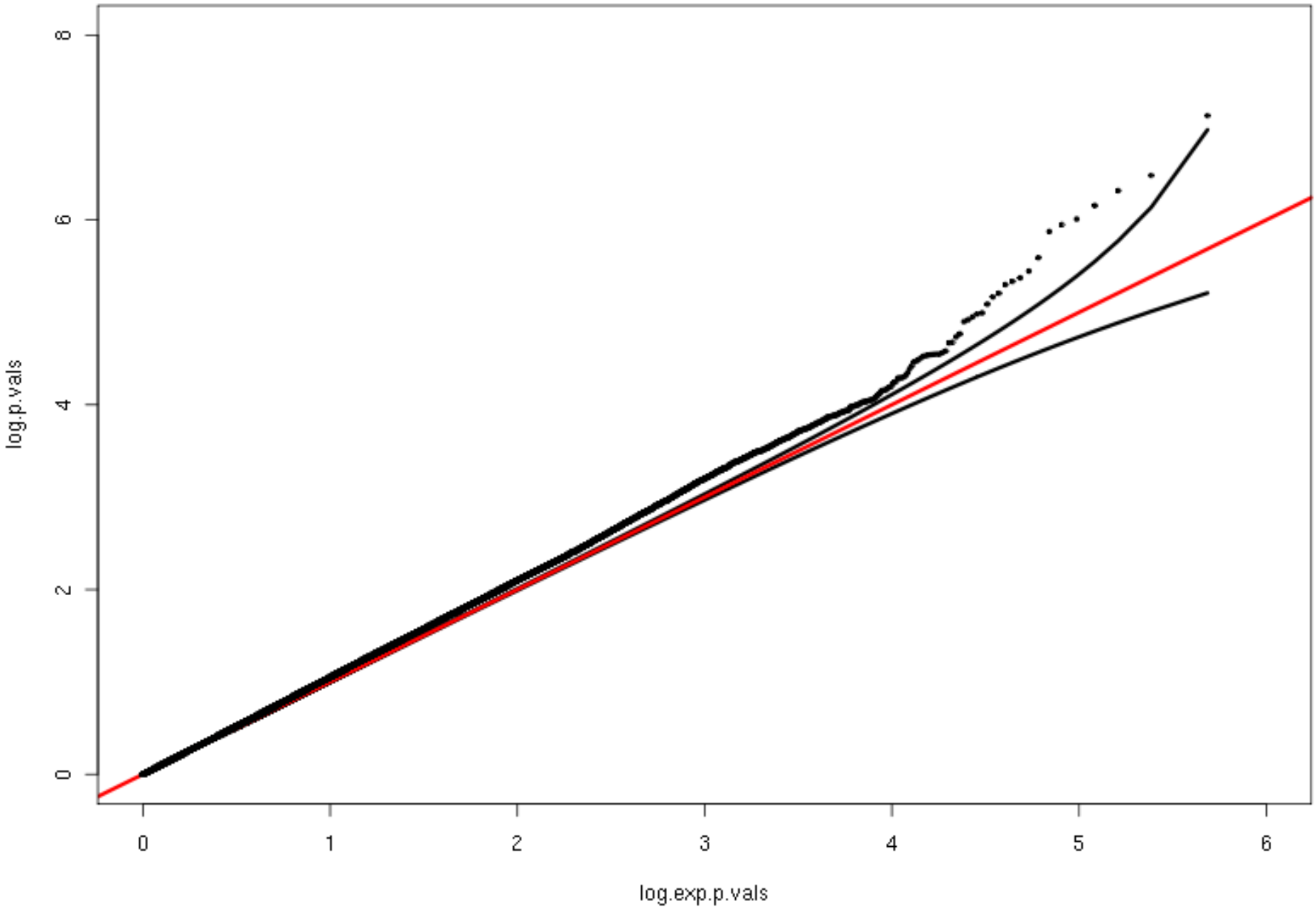

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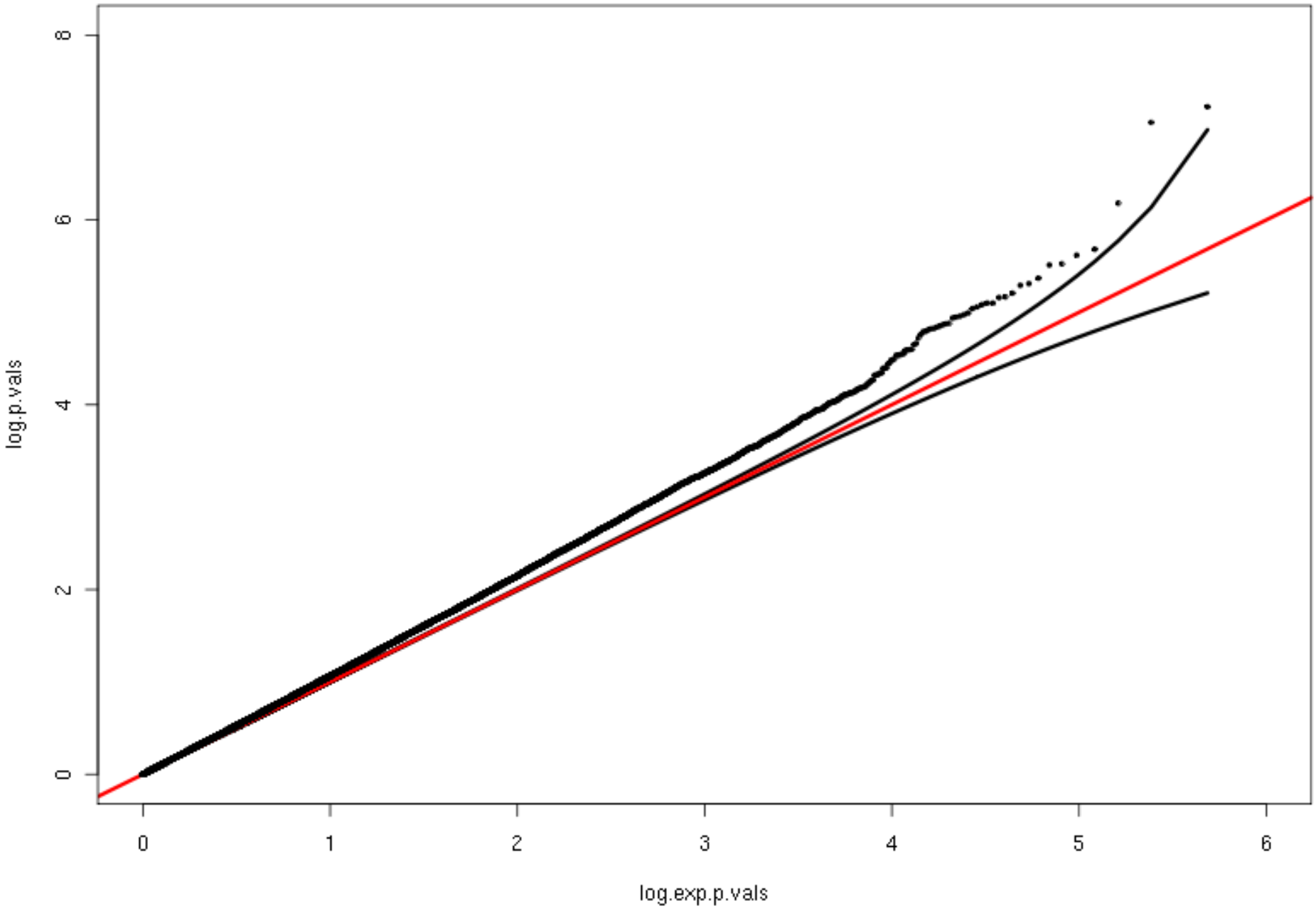

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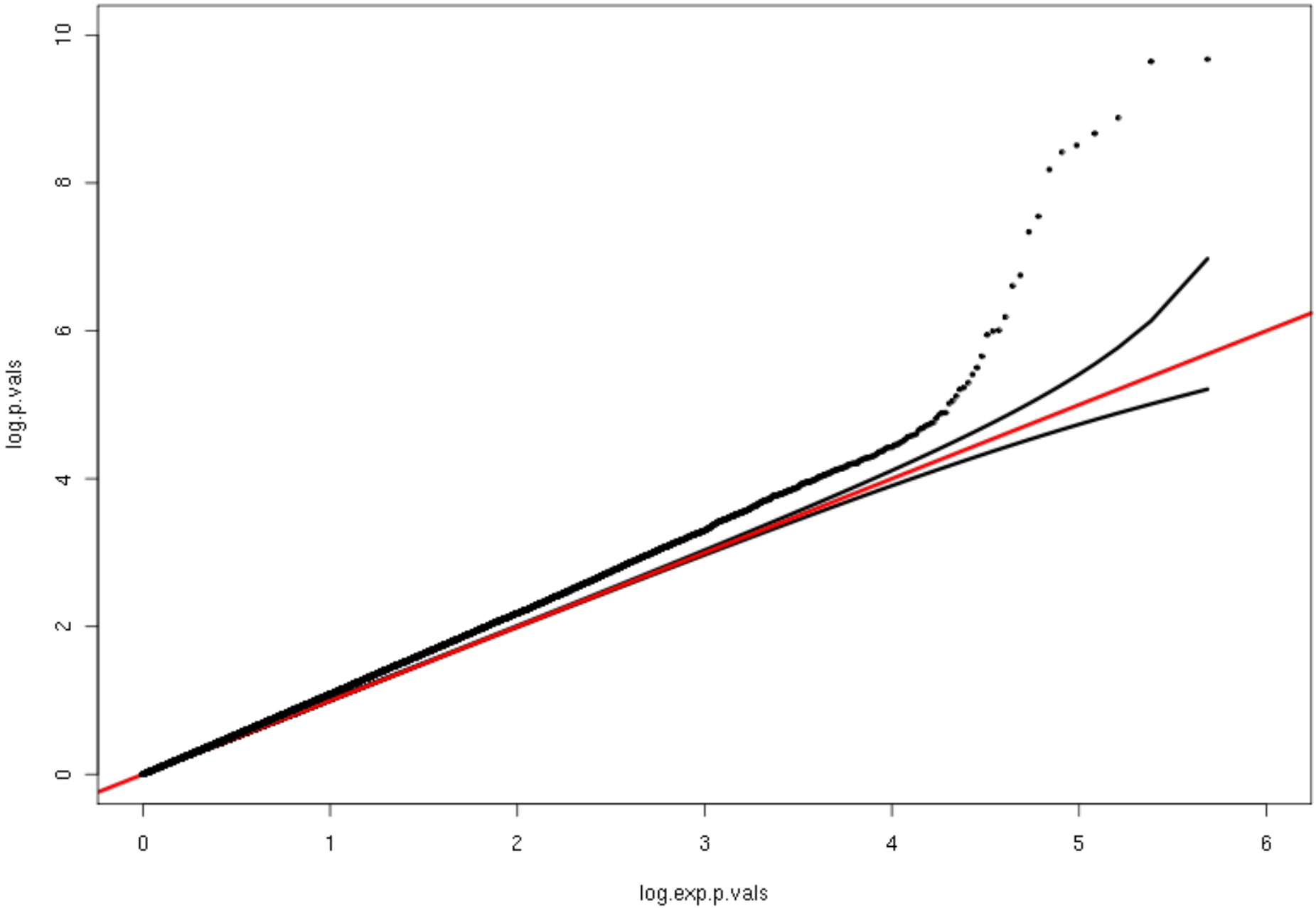

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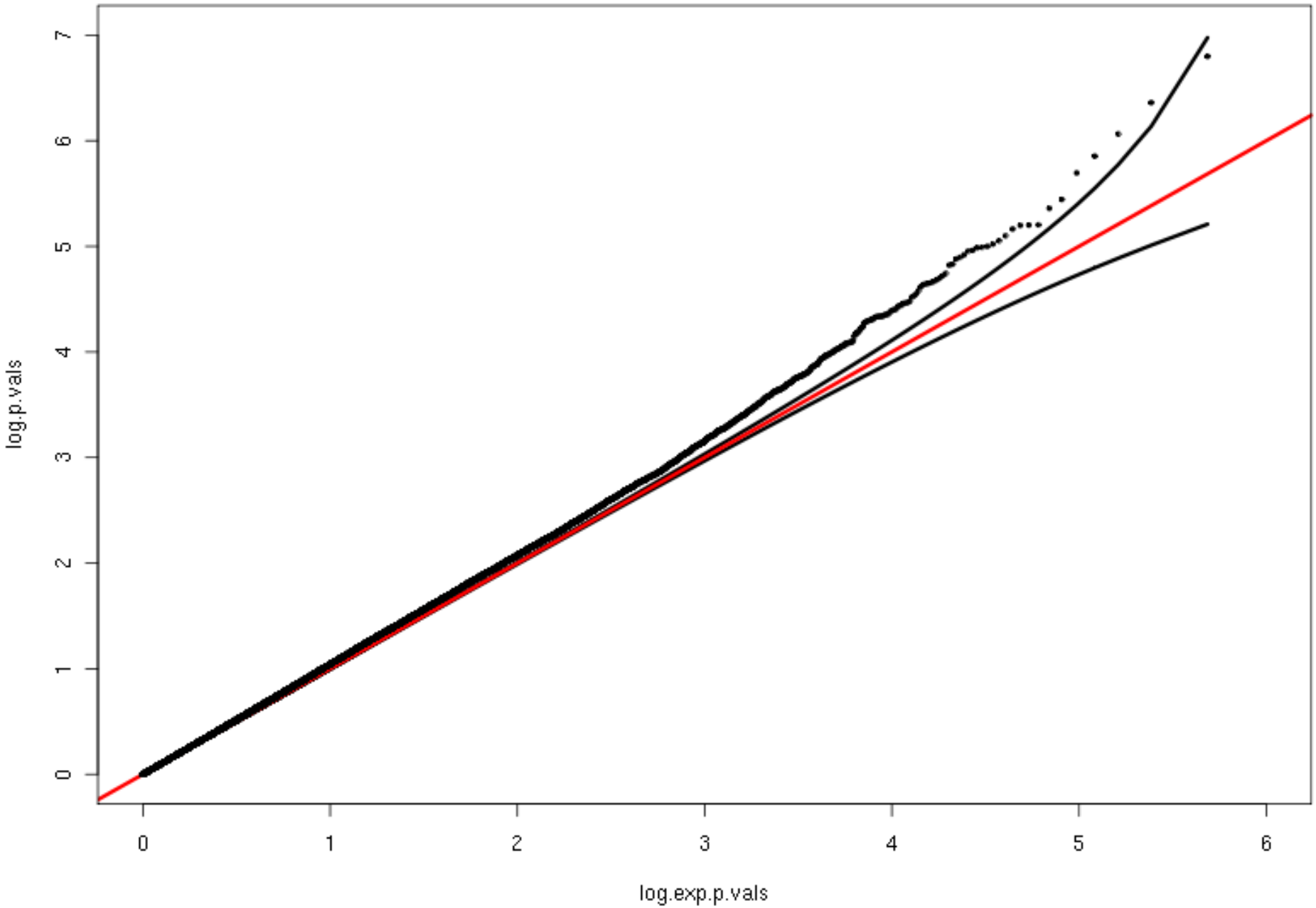

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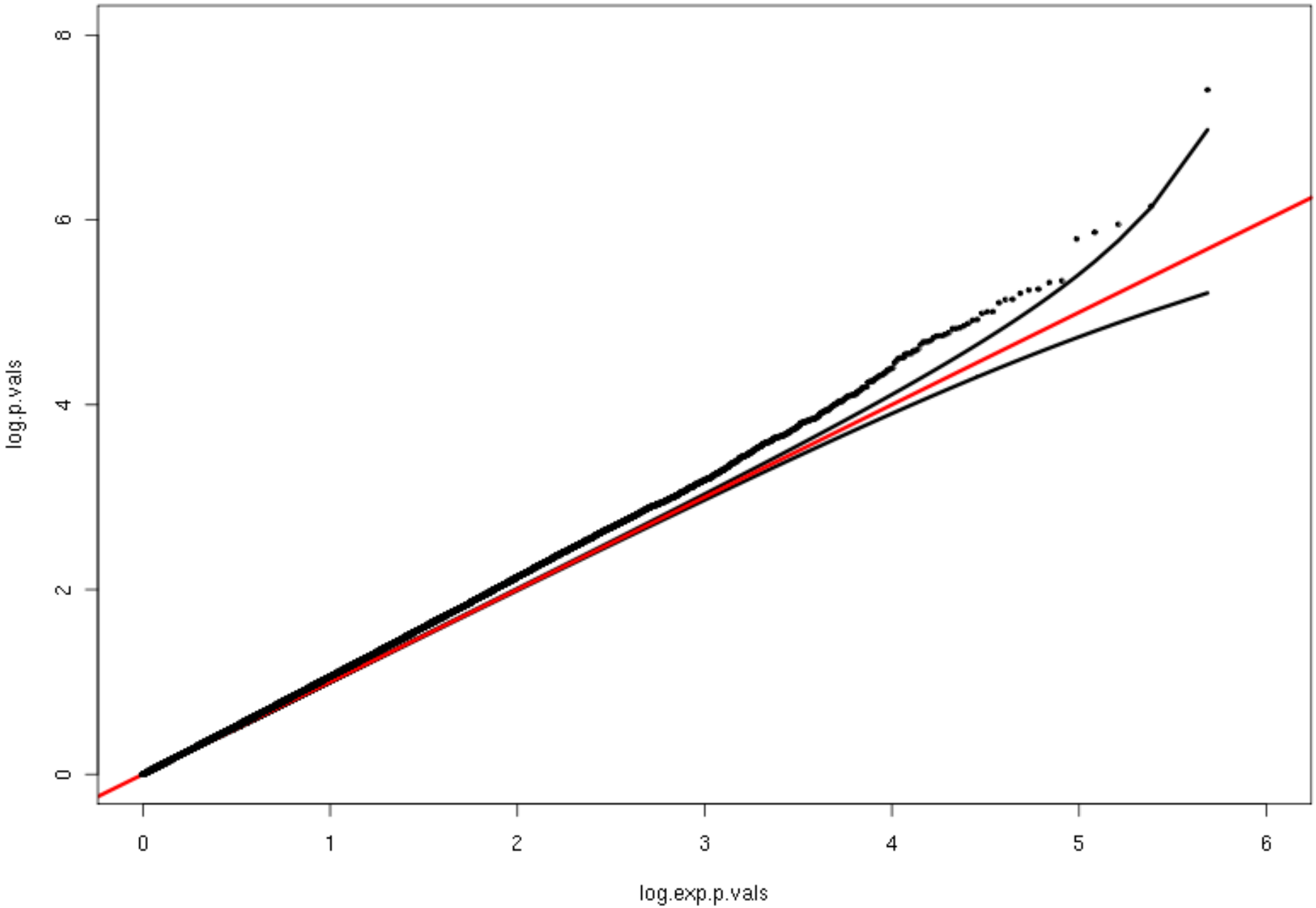

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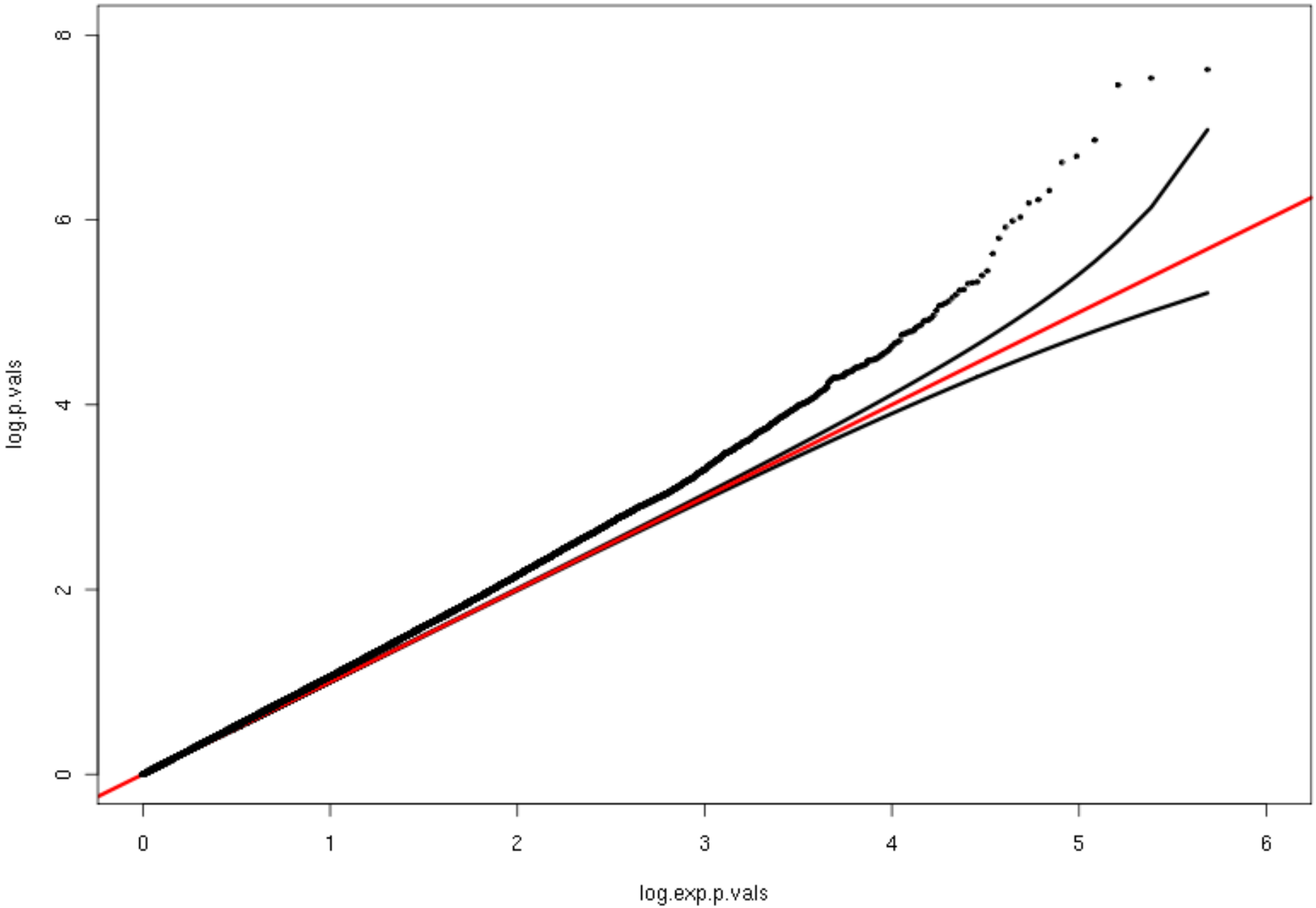

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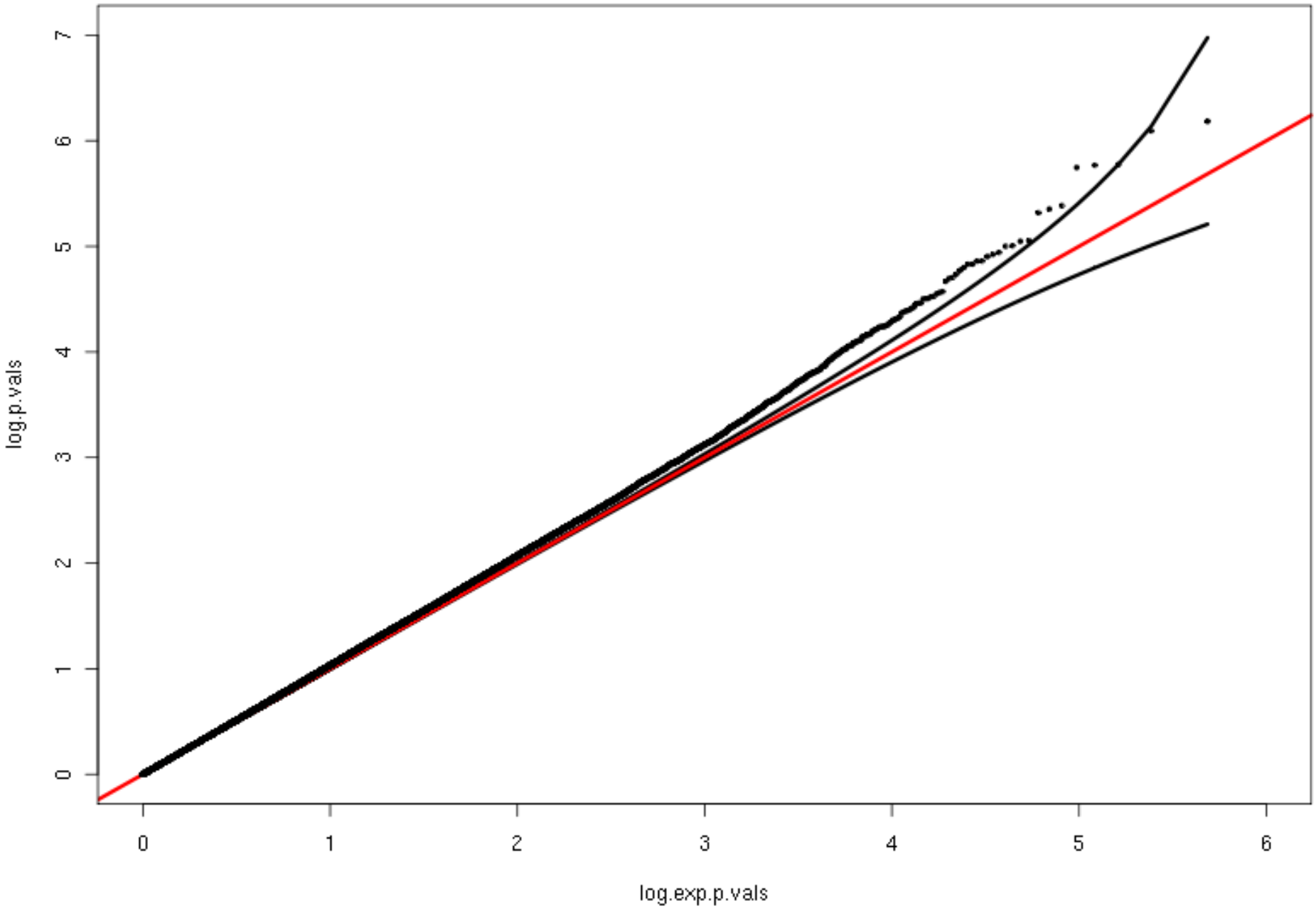

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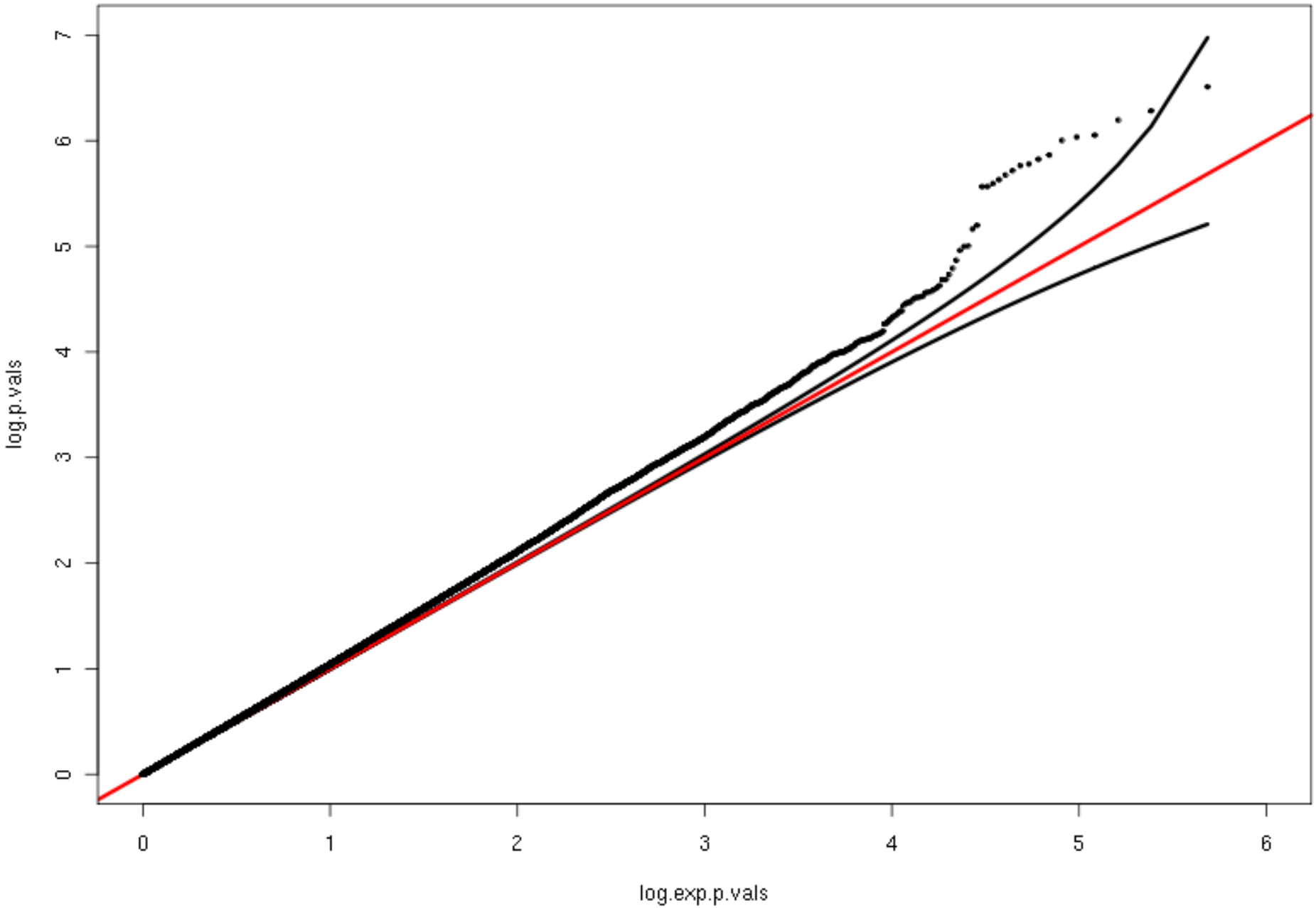
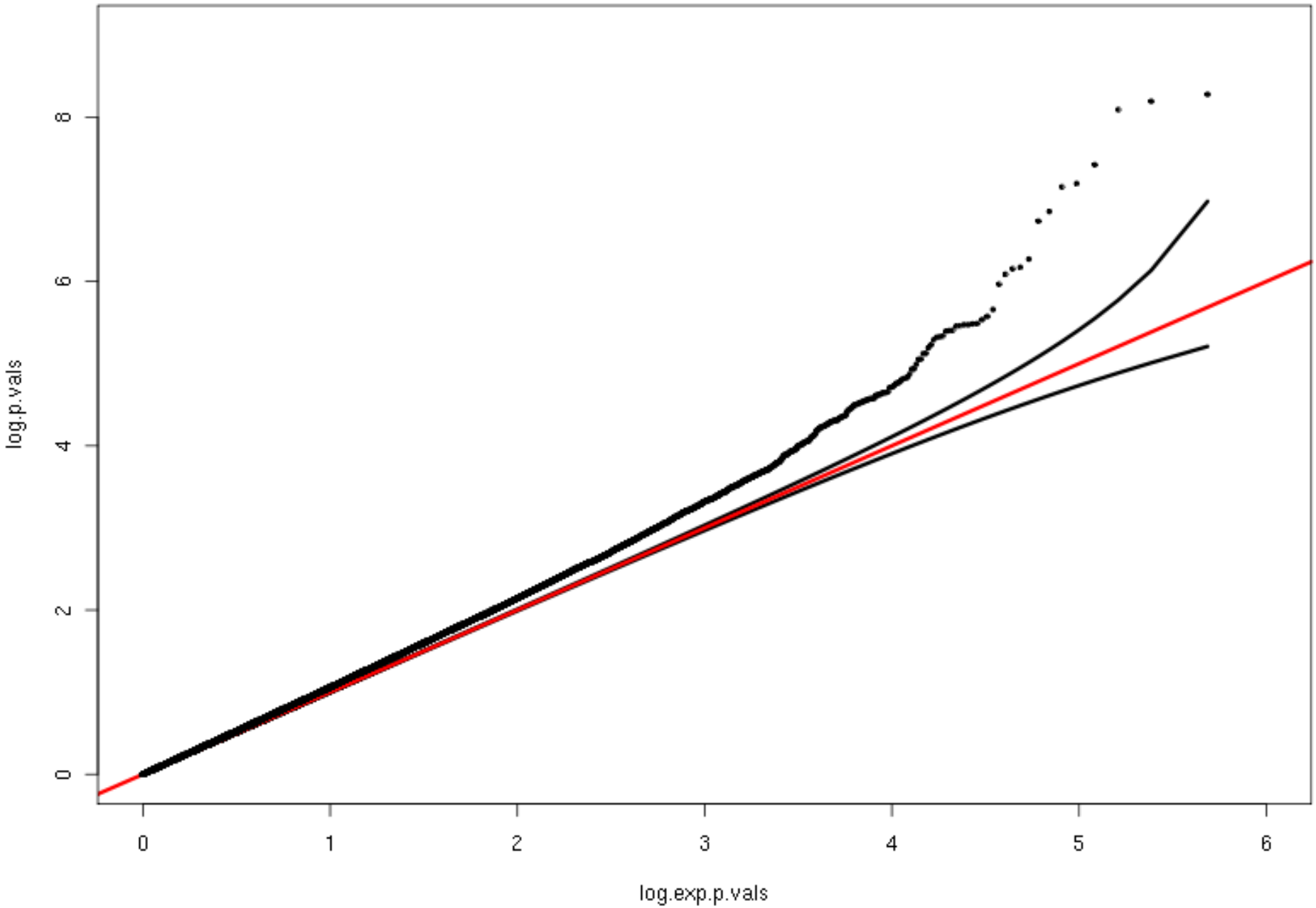


J.



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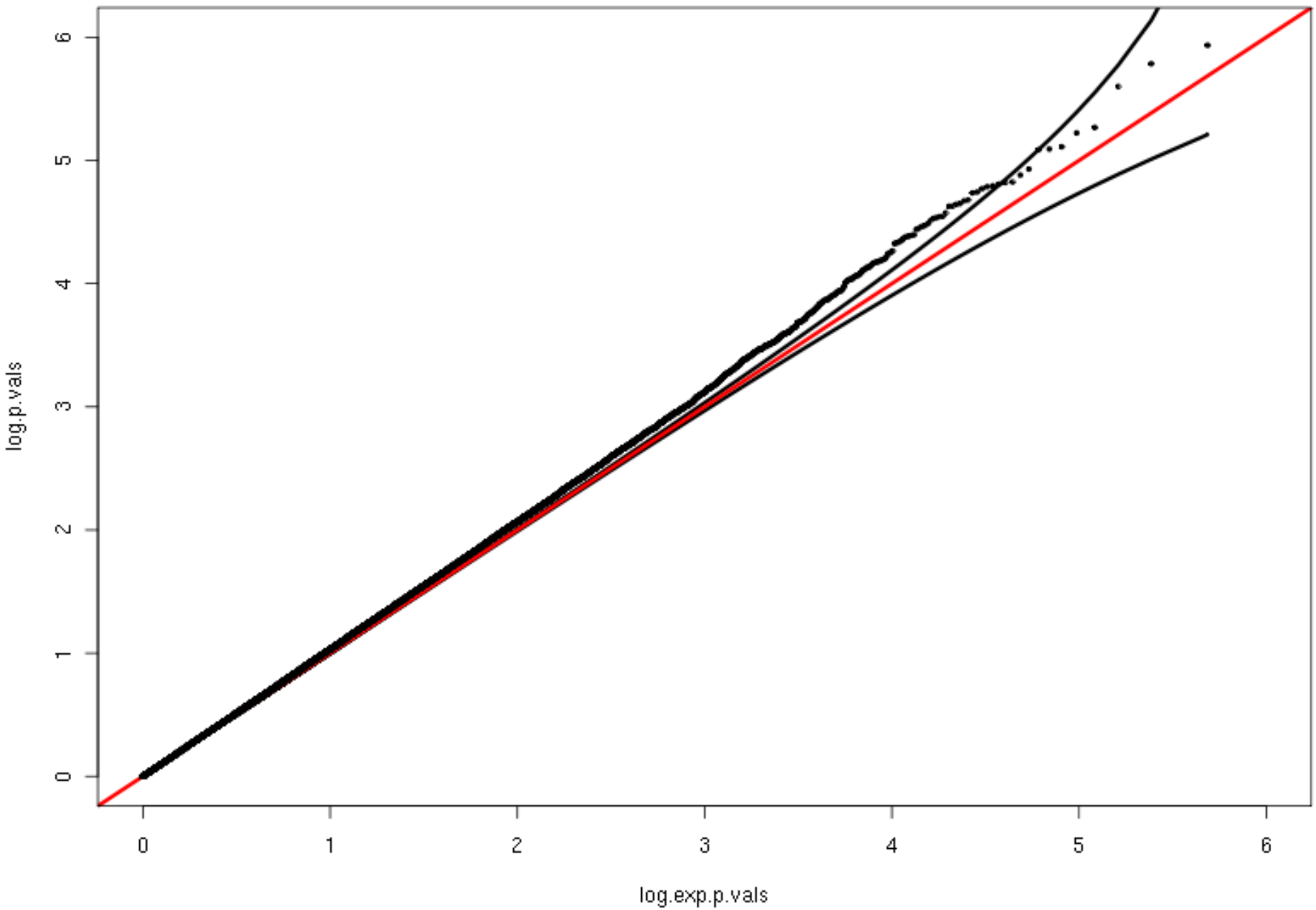

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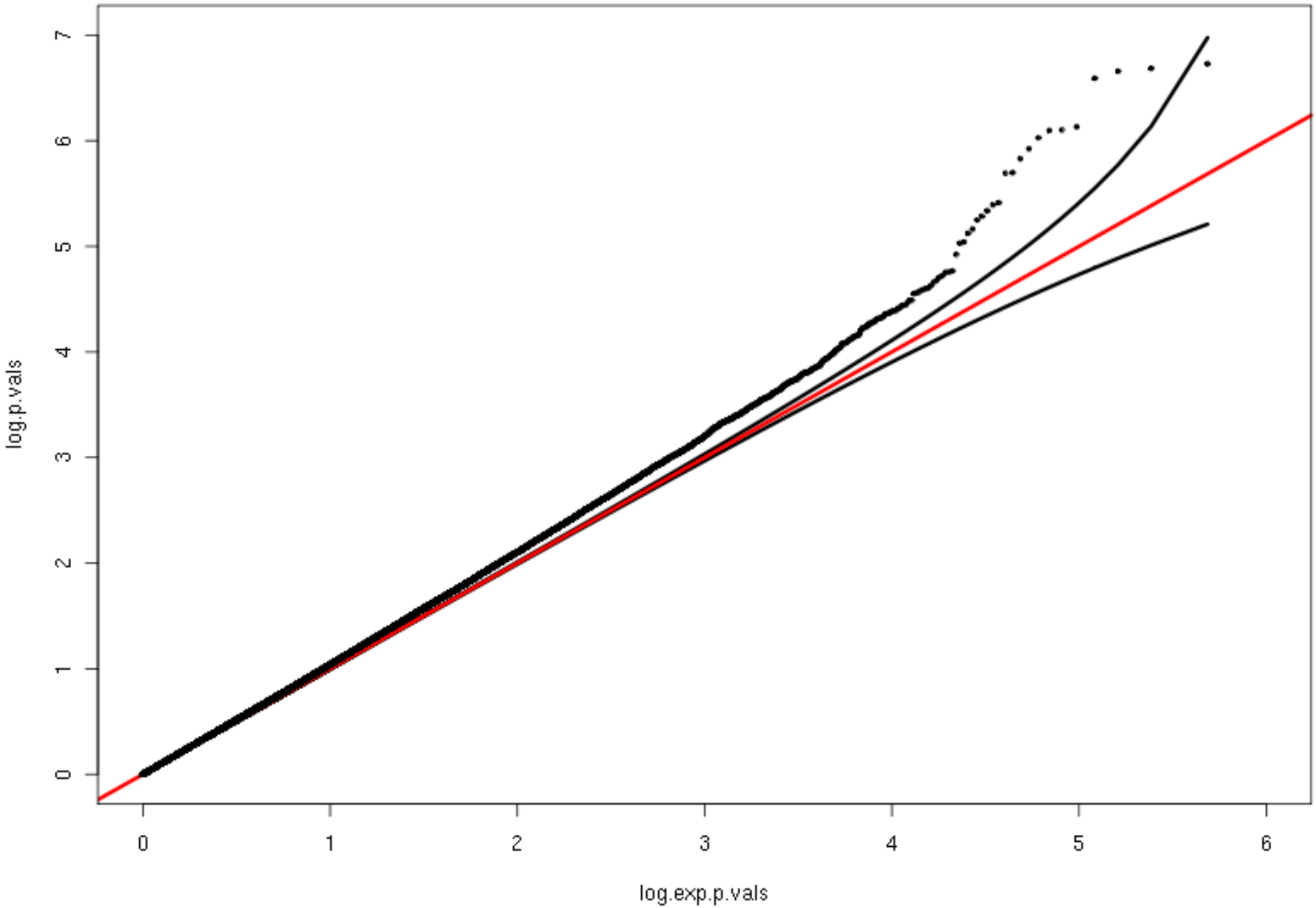

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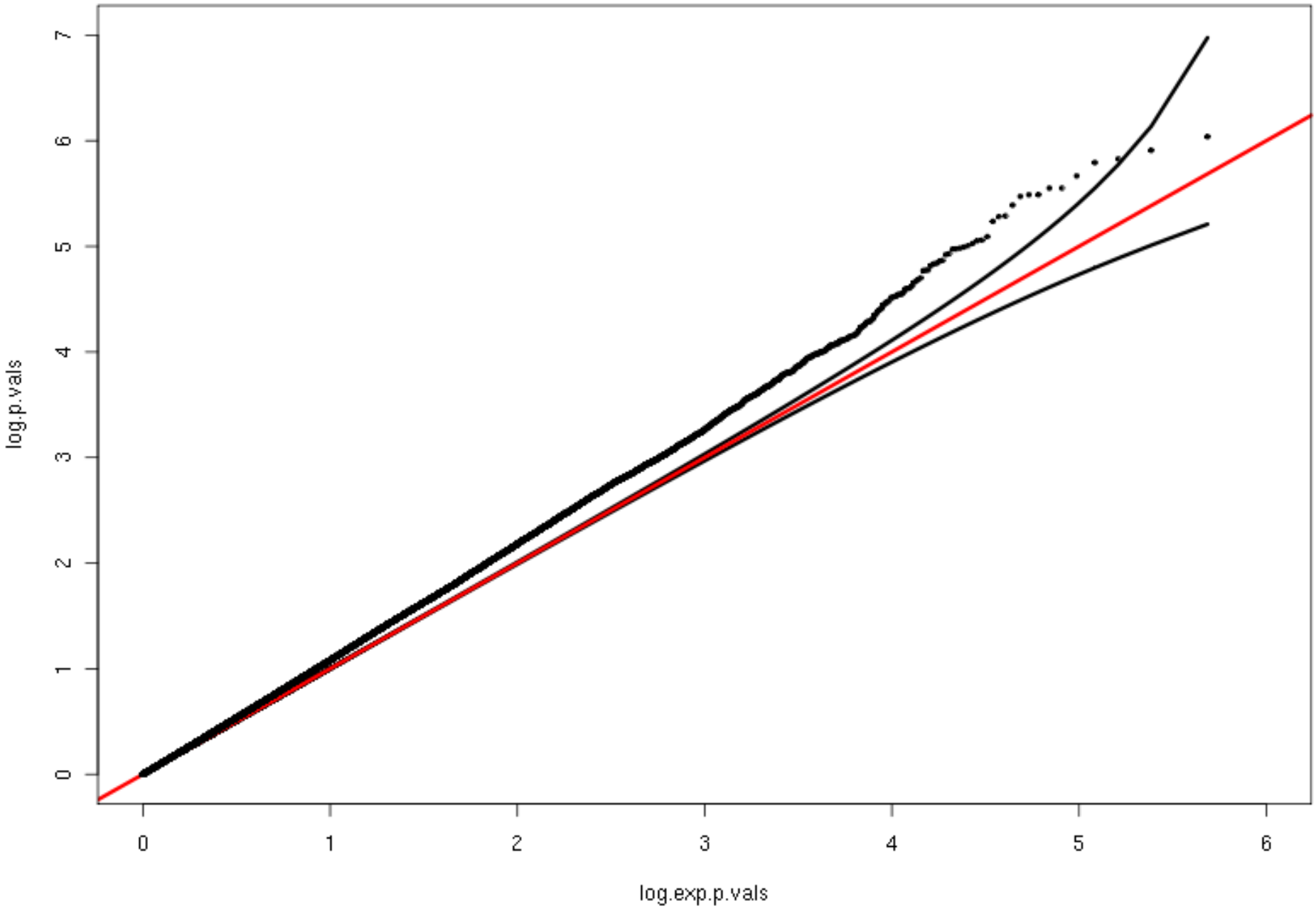

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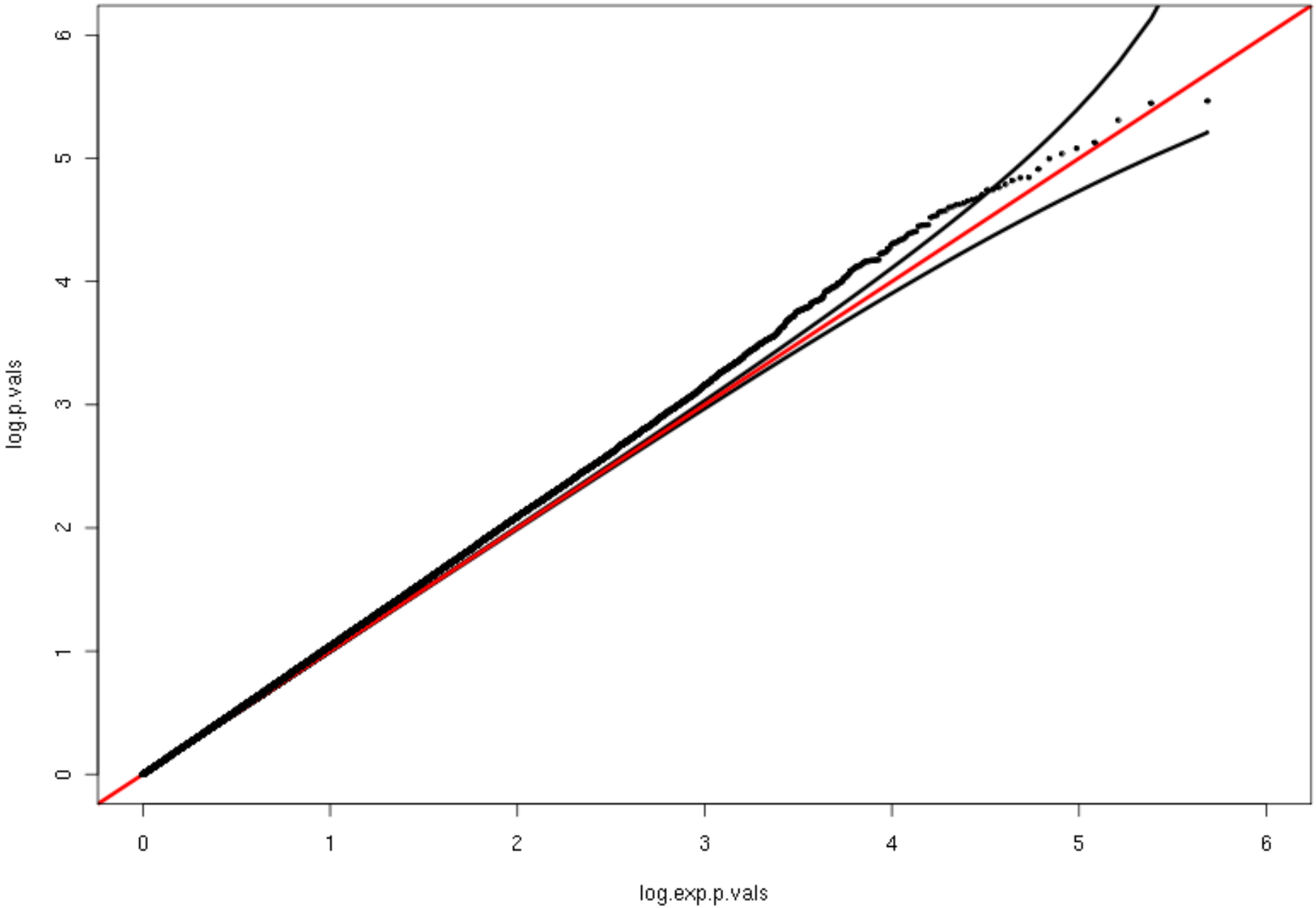

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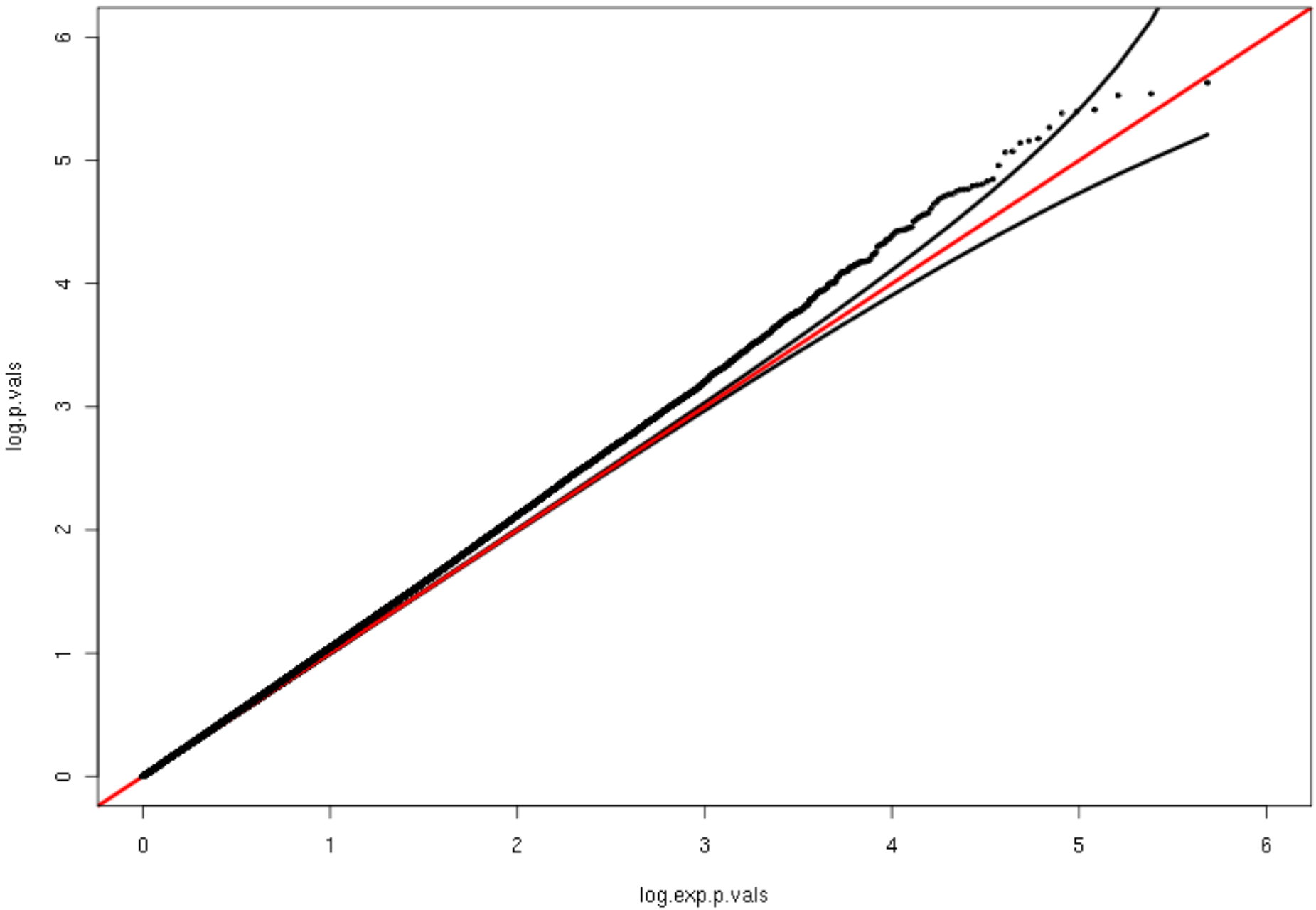

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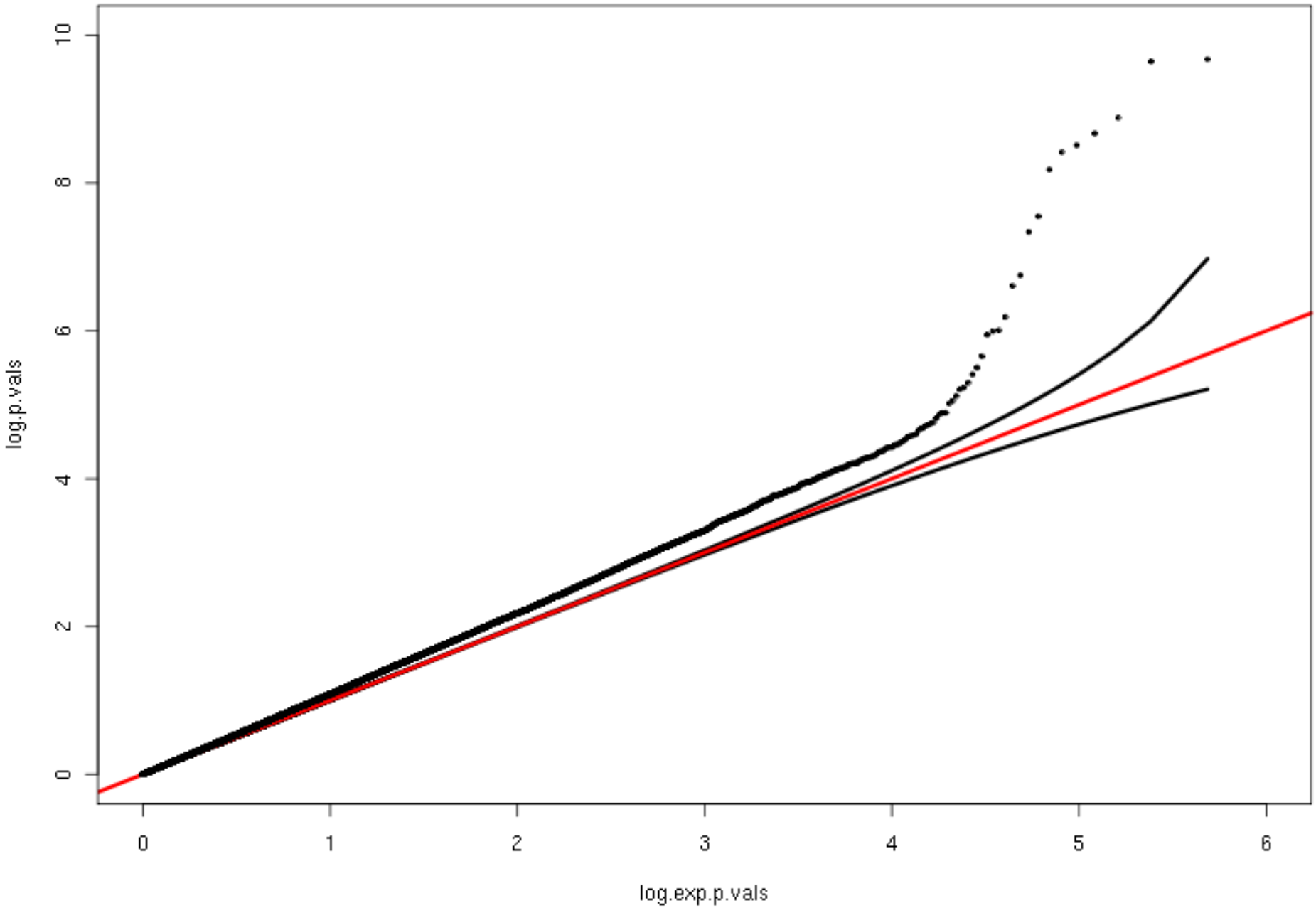

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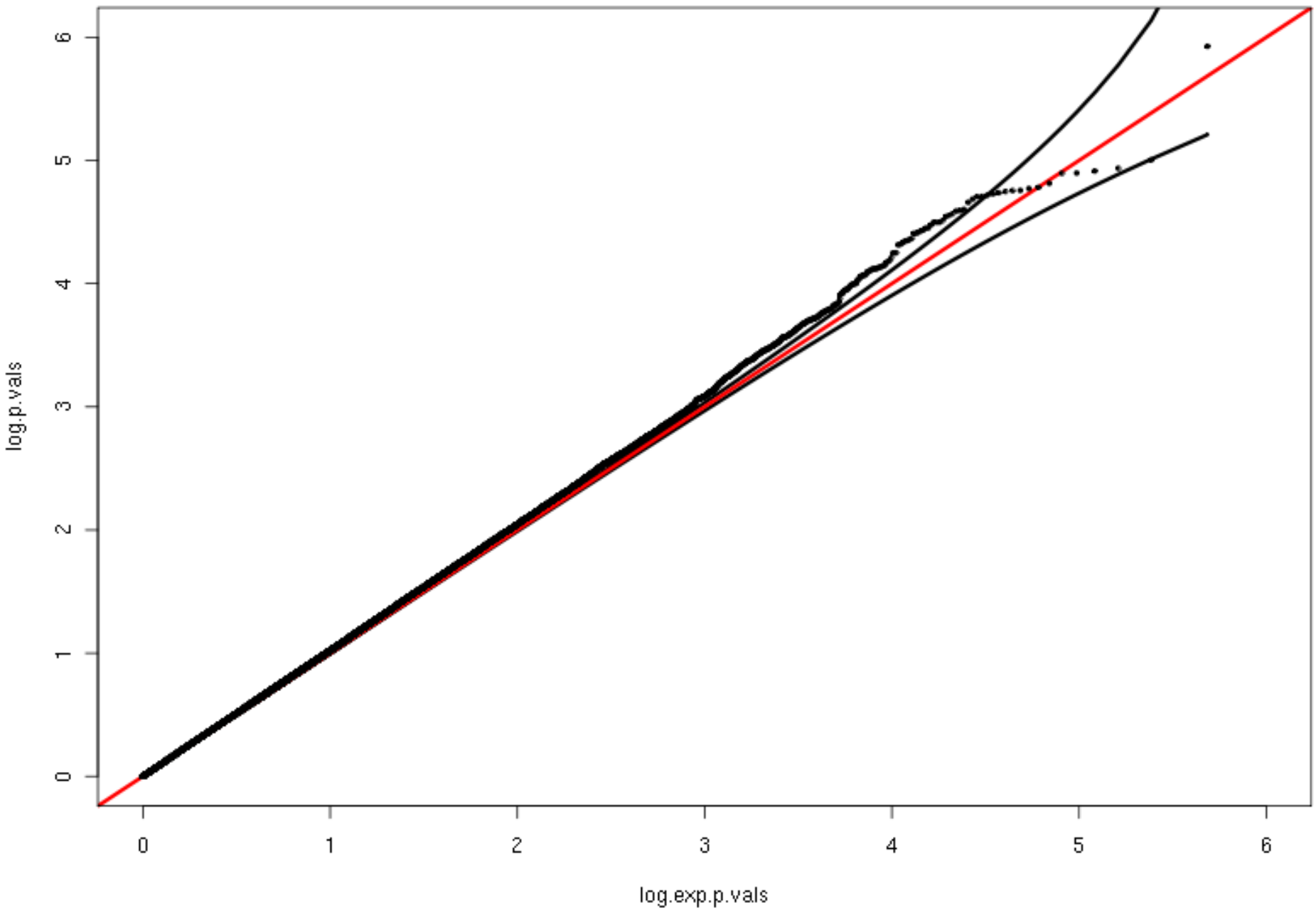

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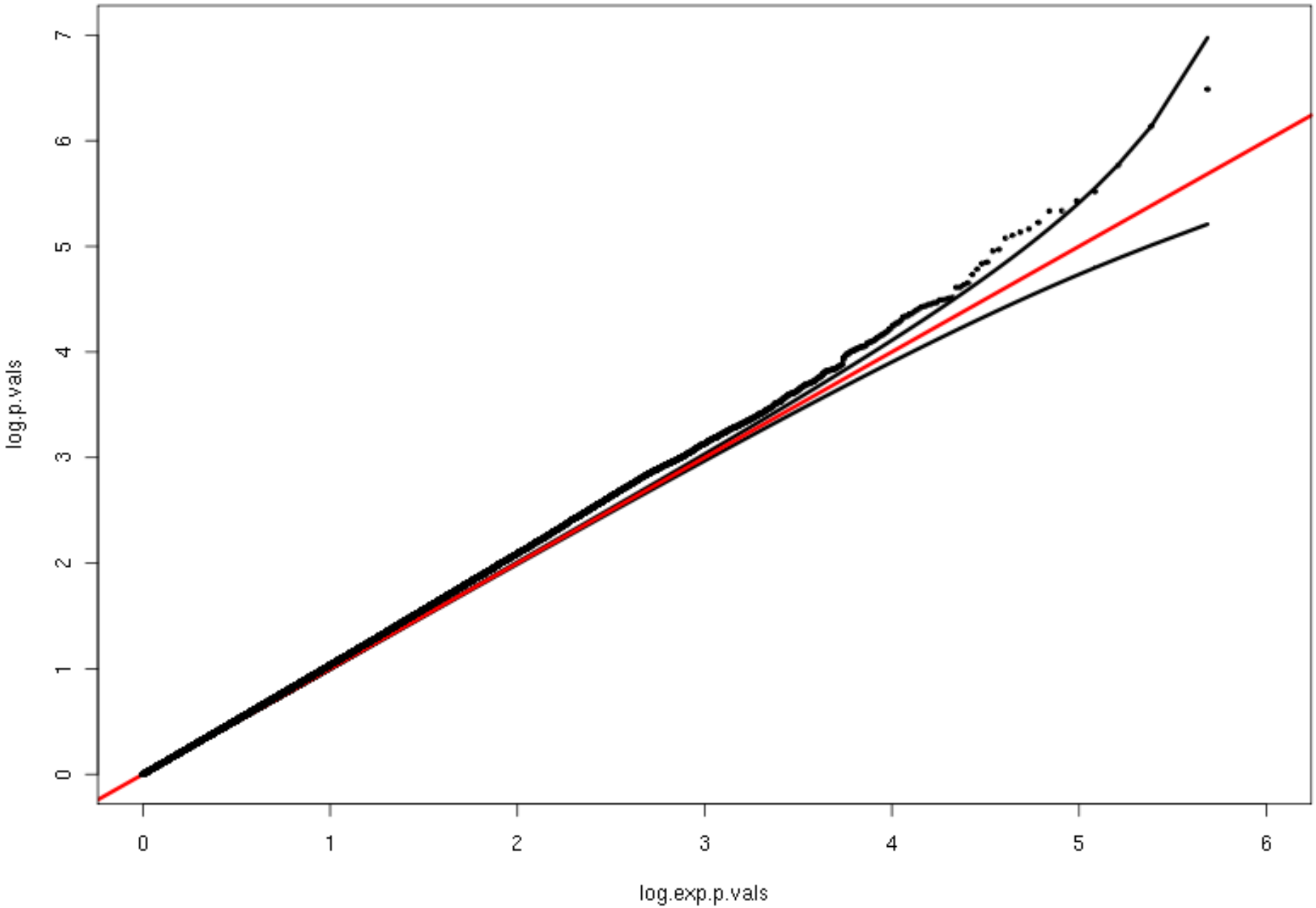

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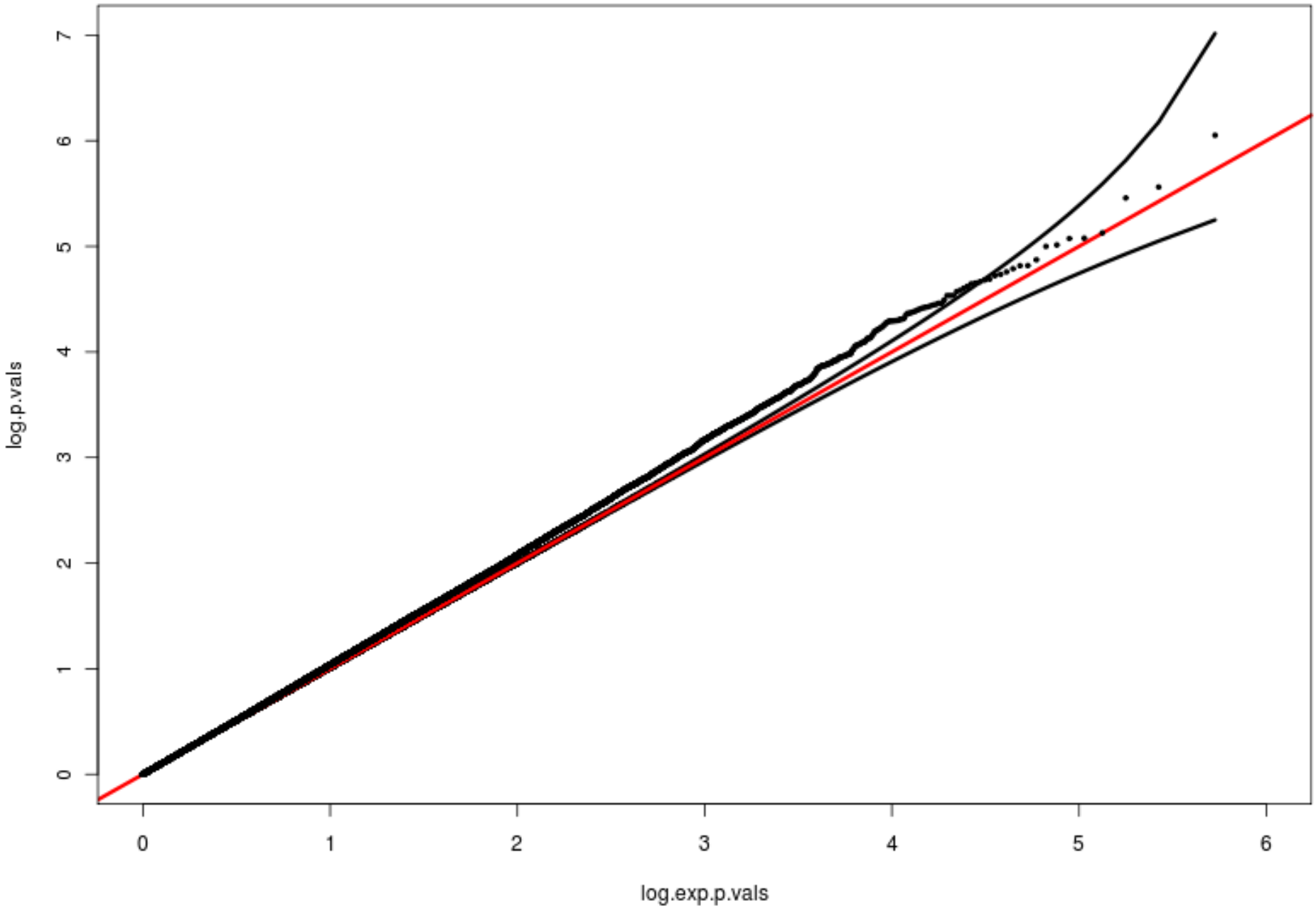

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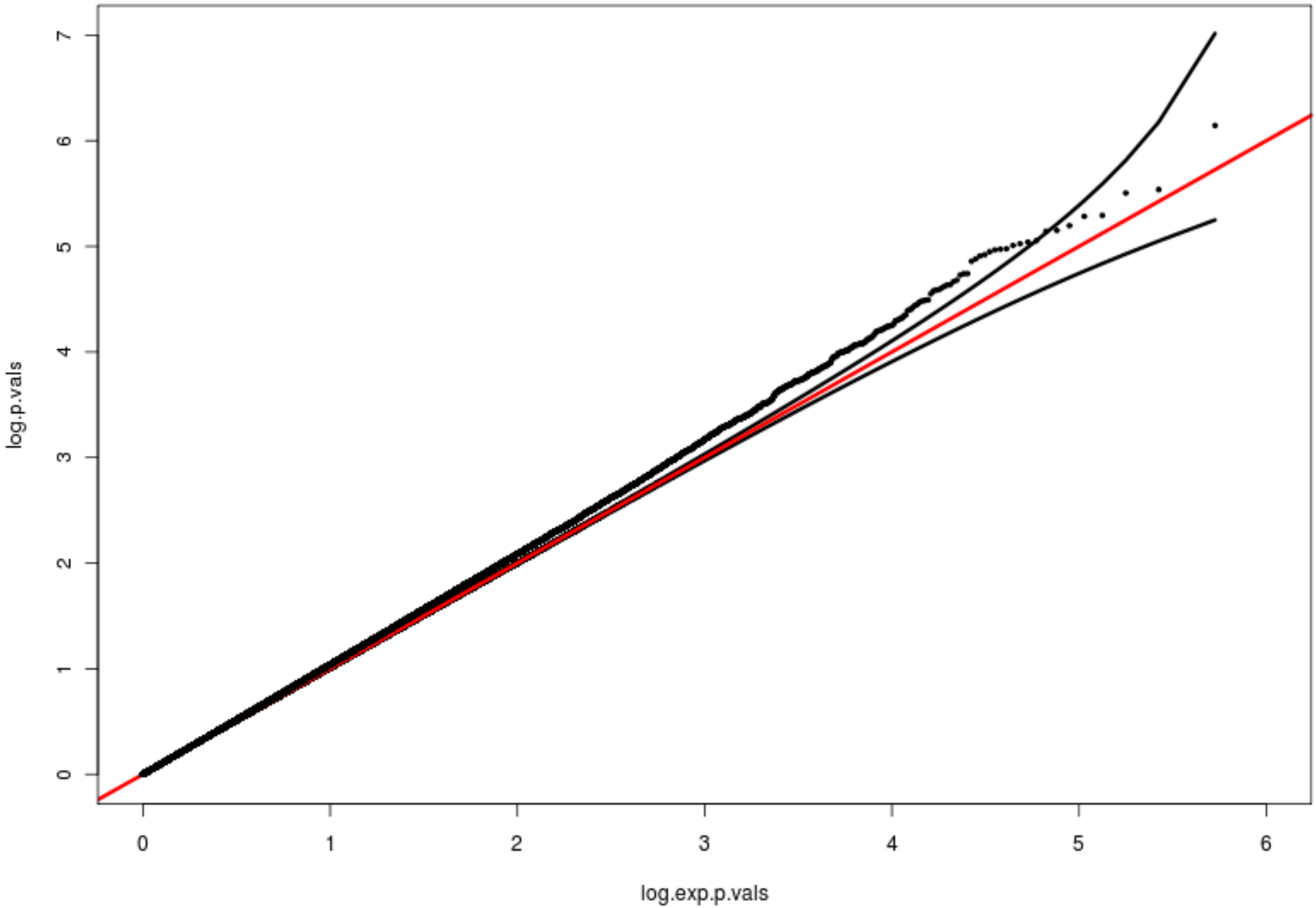

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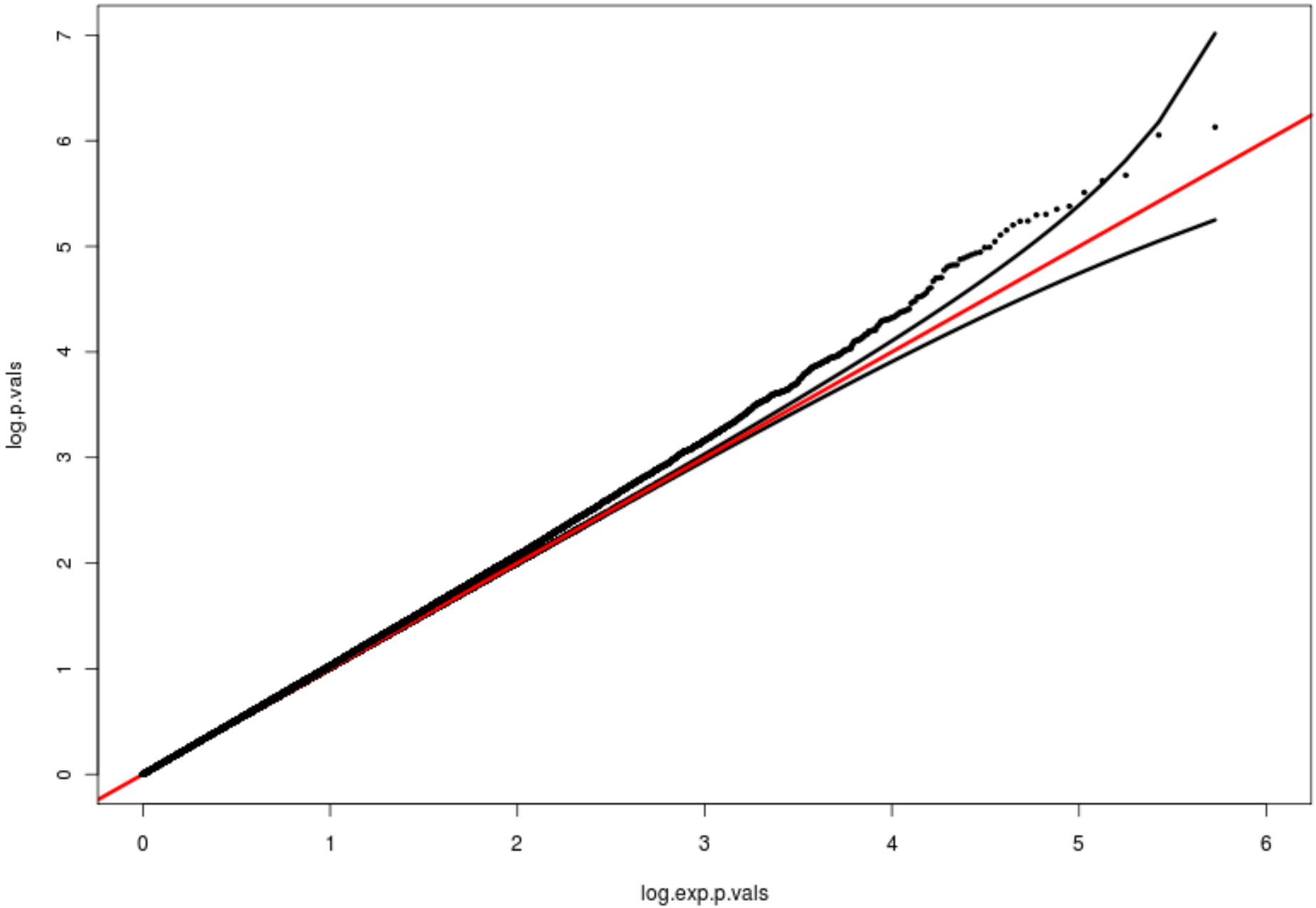

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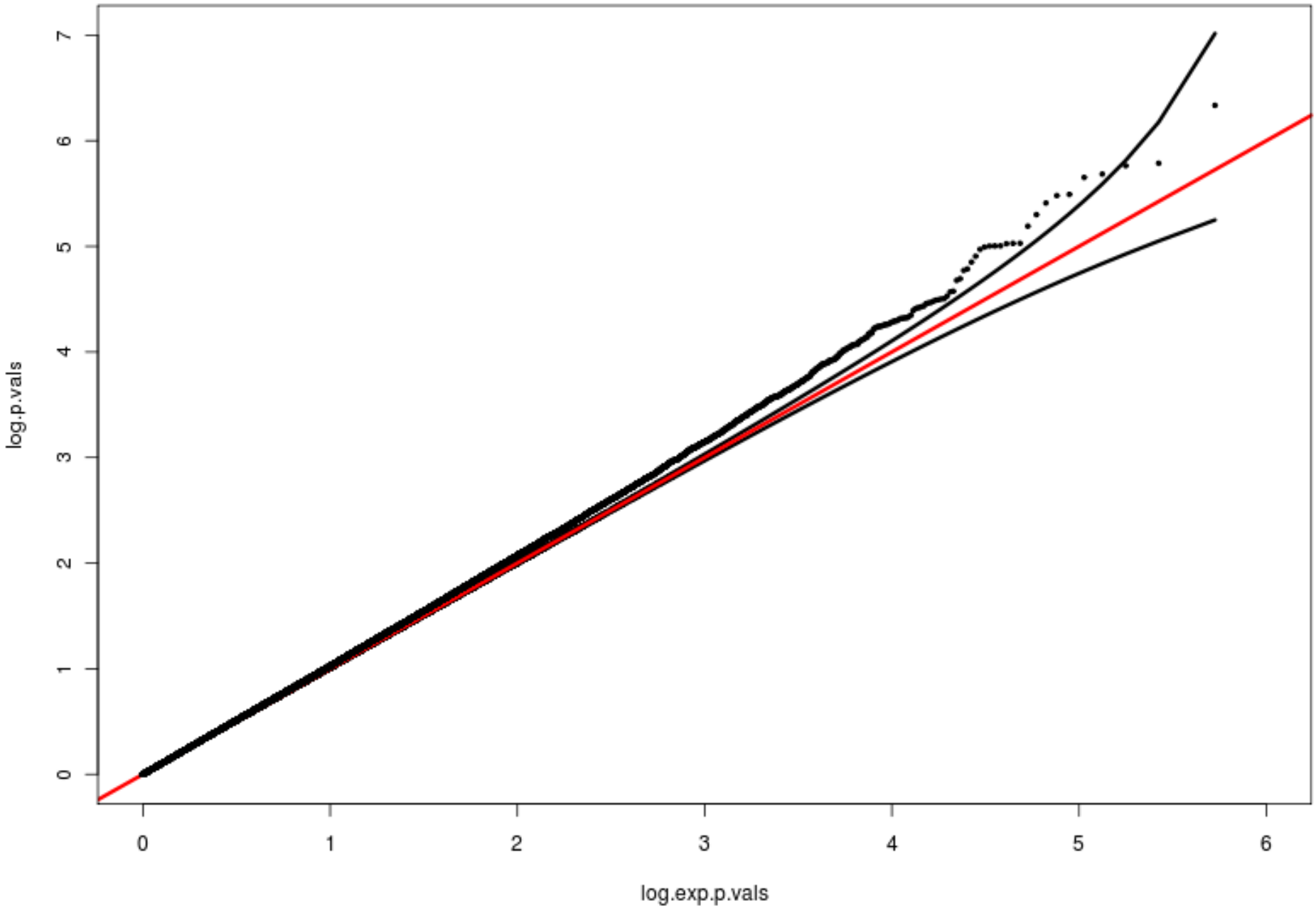

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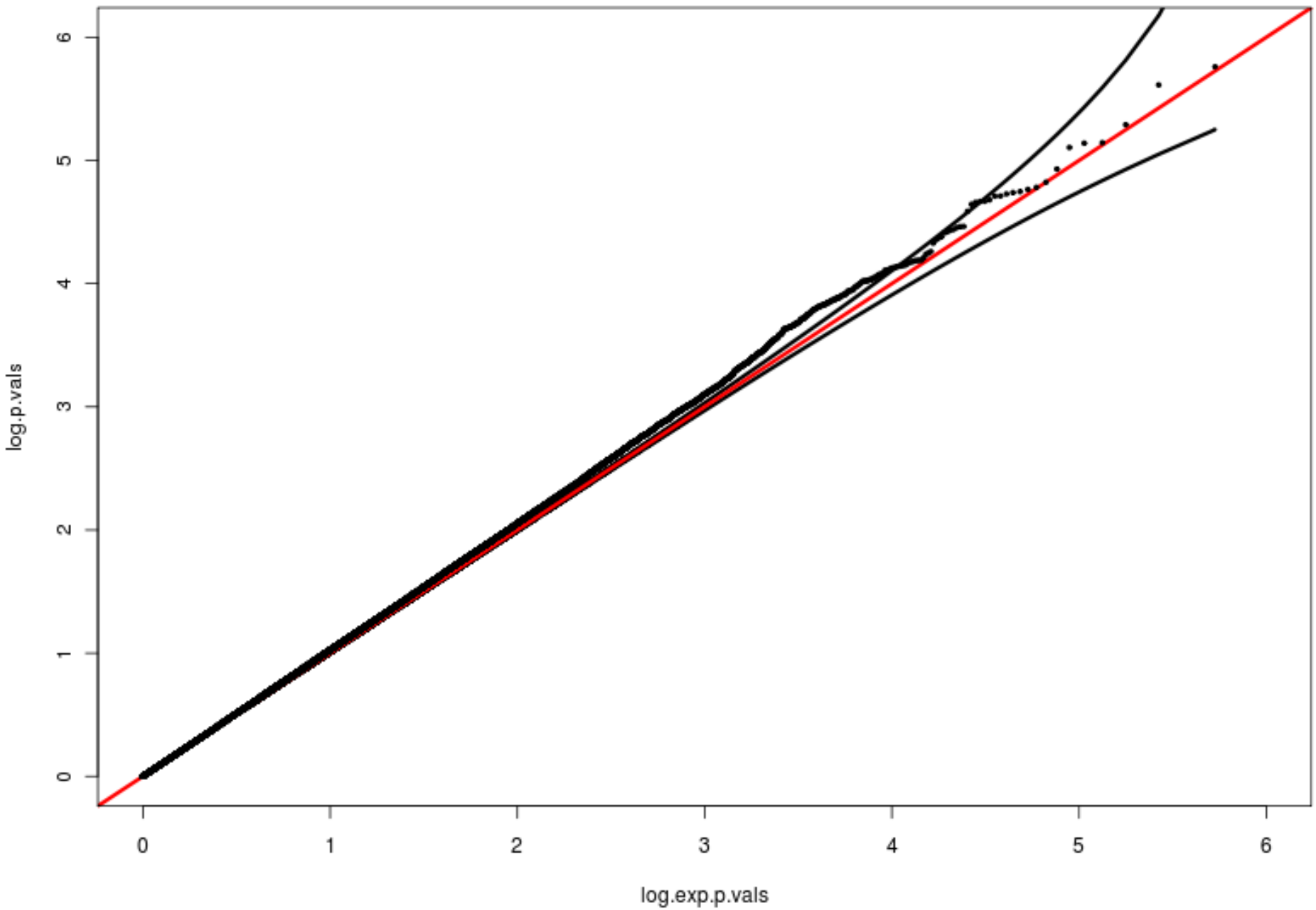

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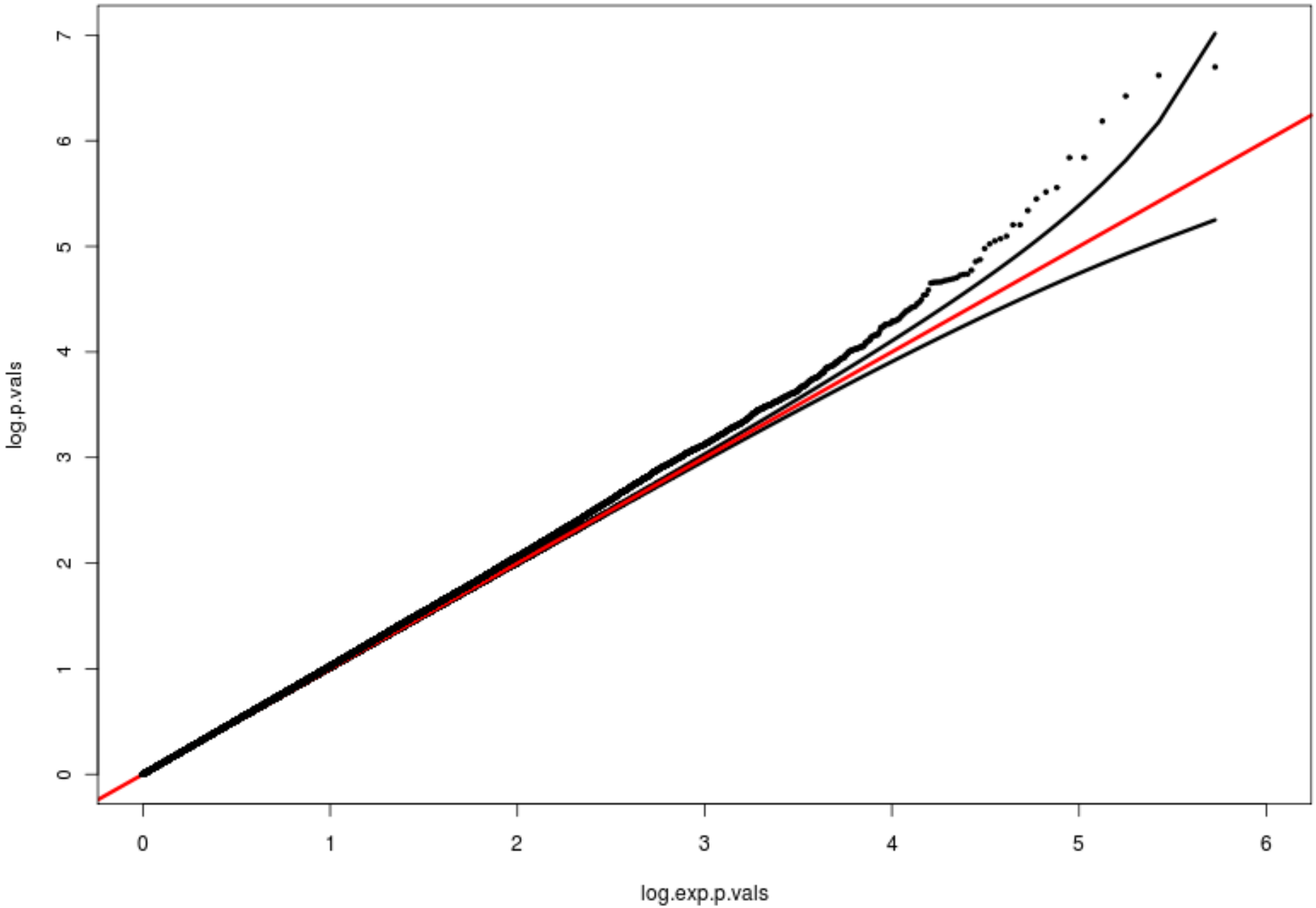

SF2

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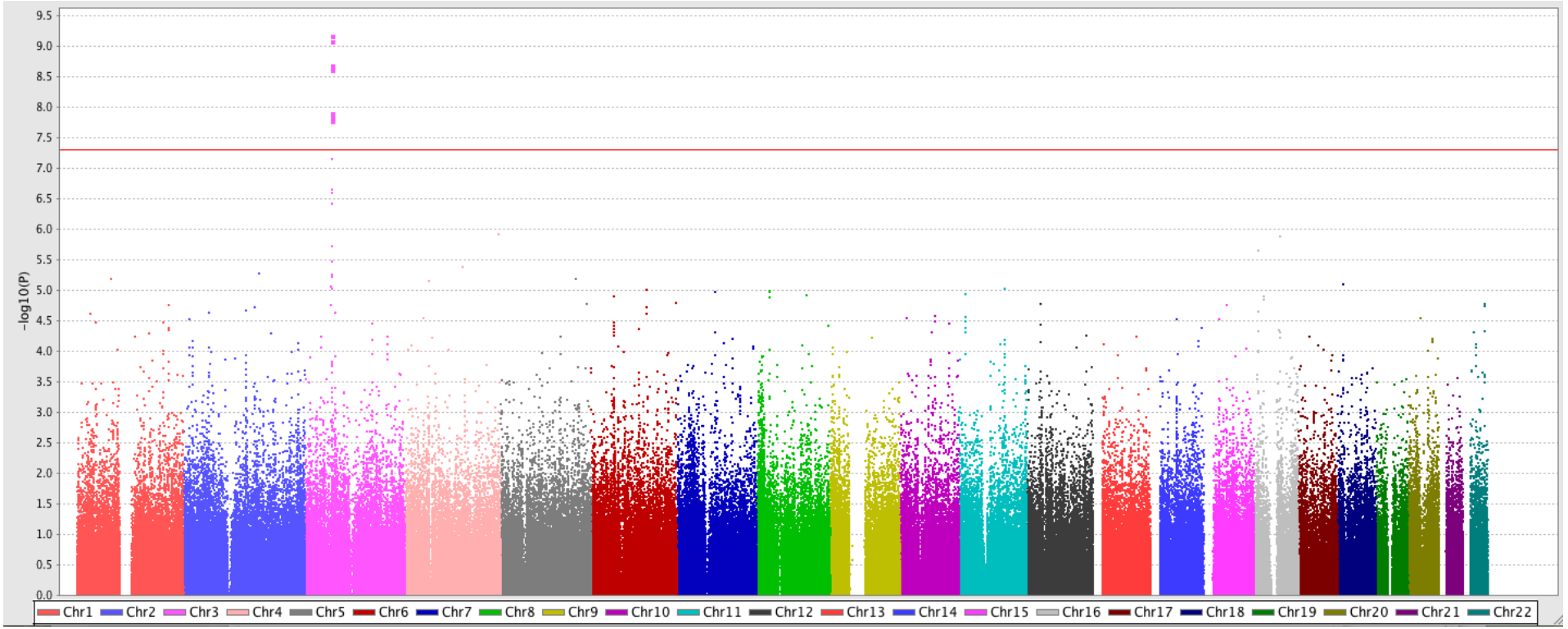
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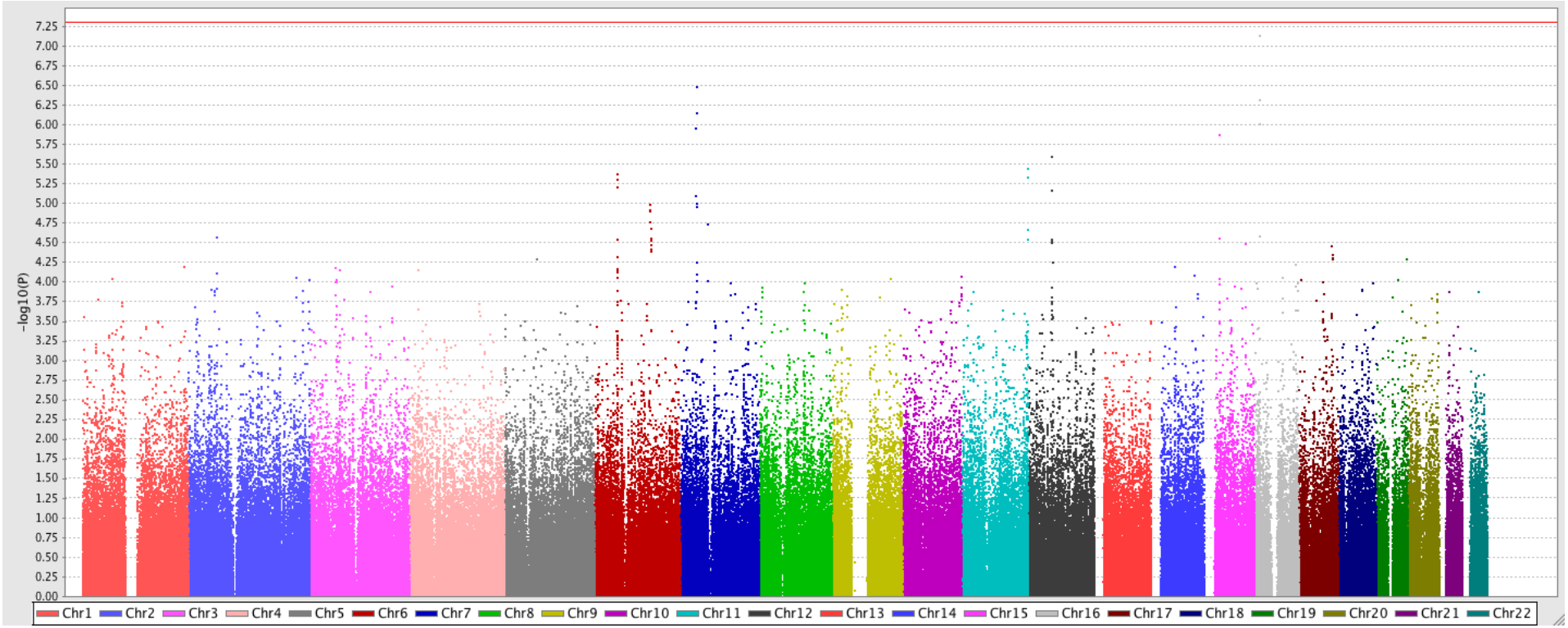
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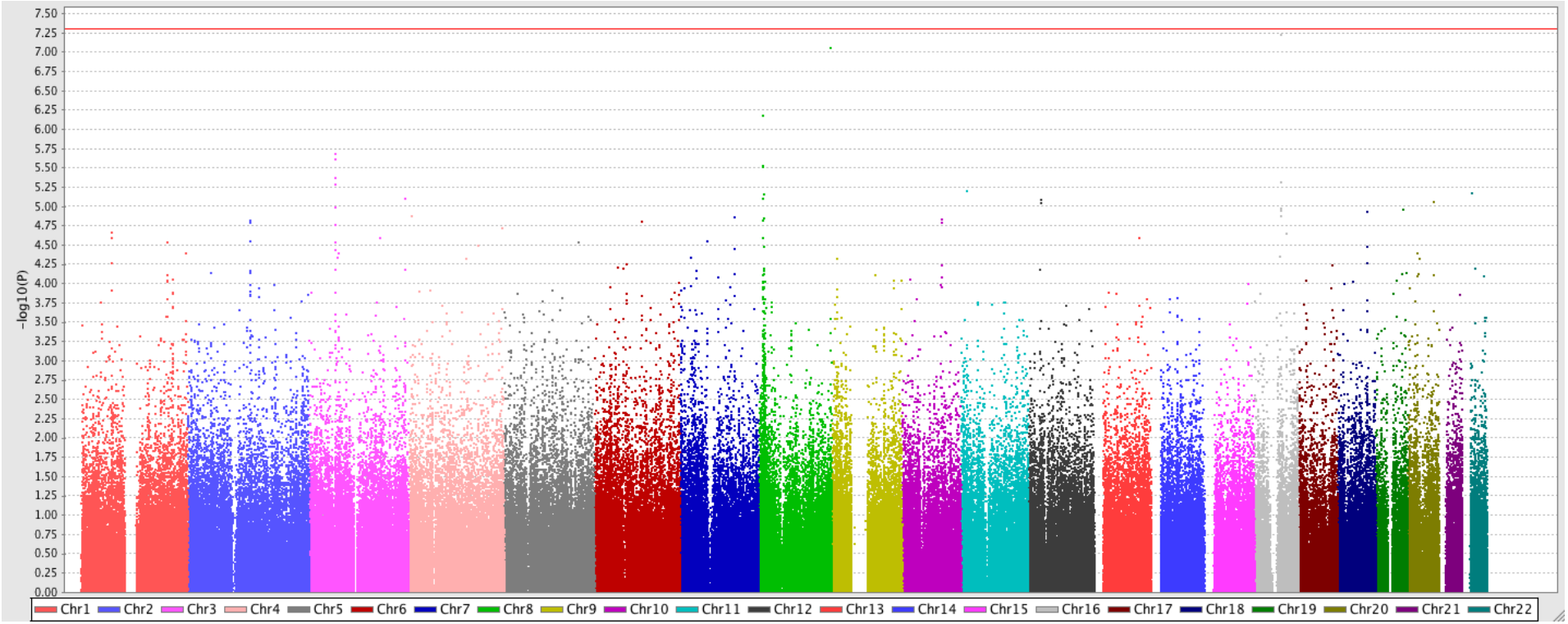
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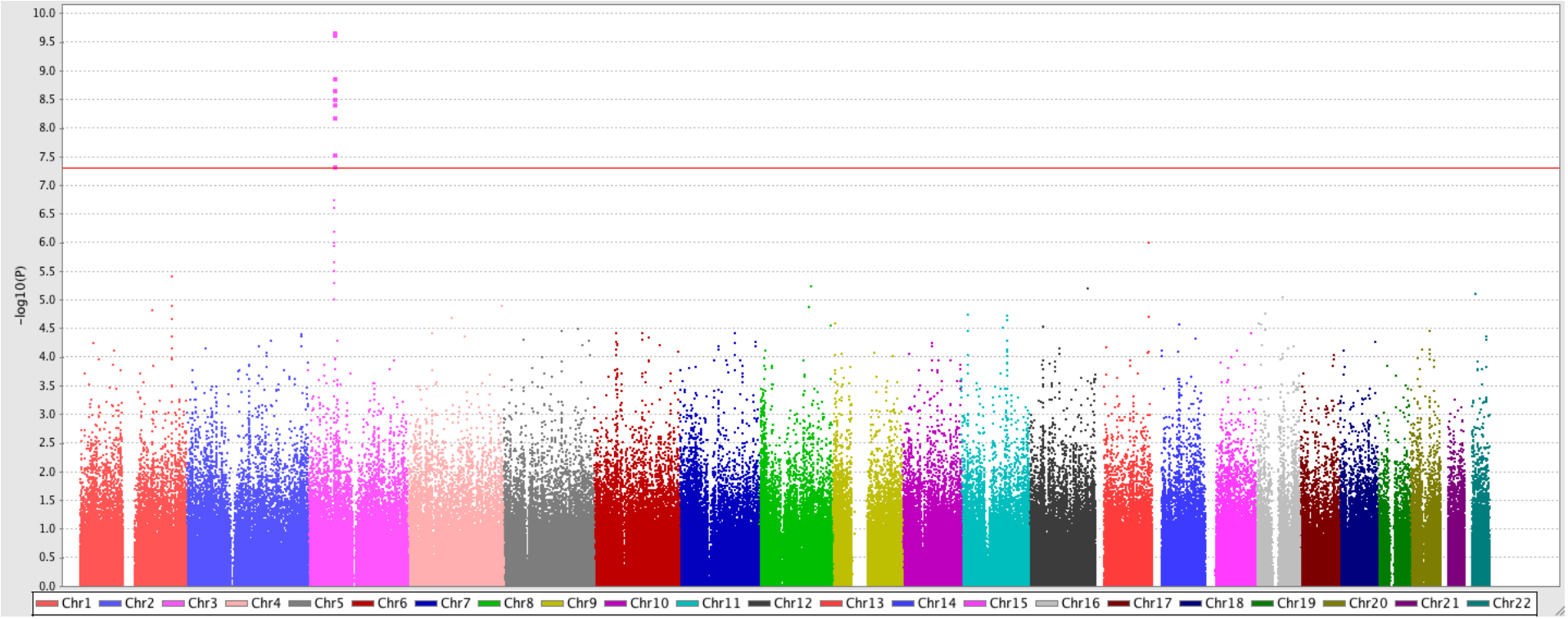
D.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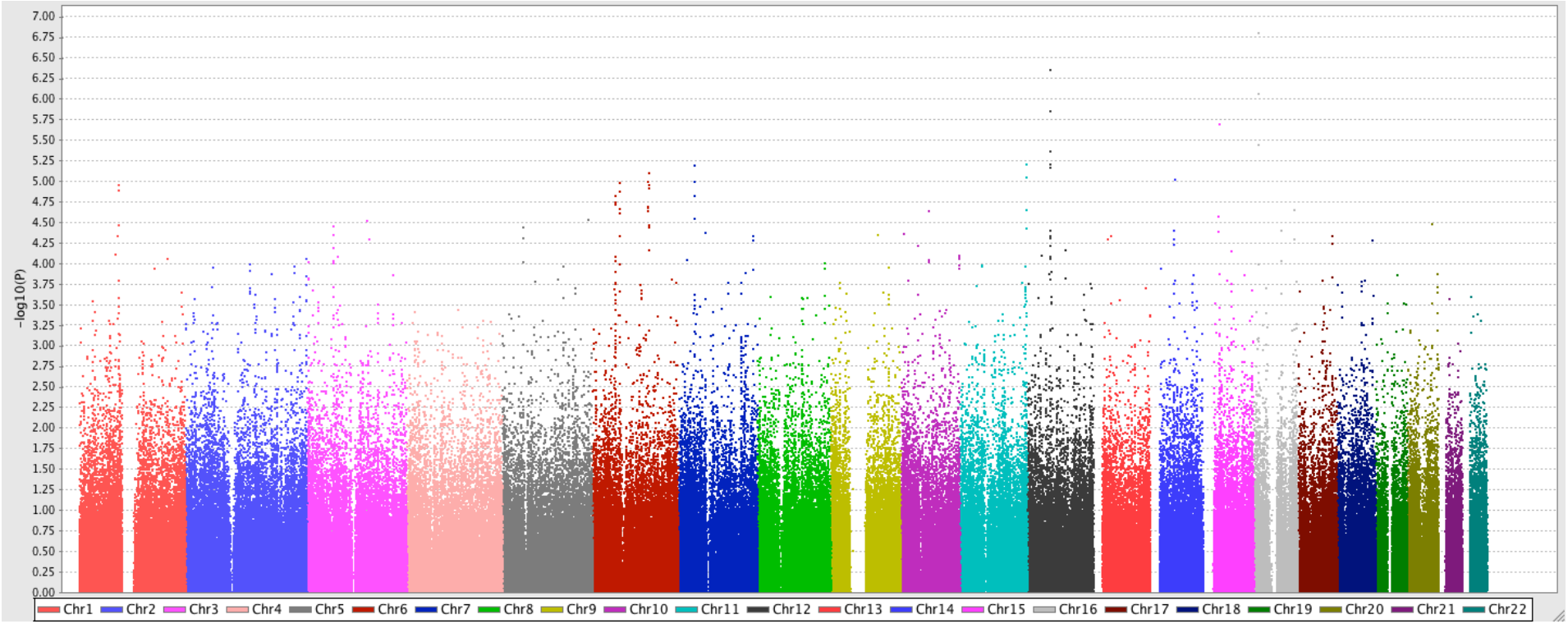
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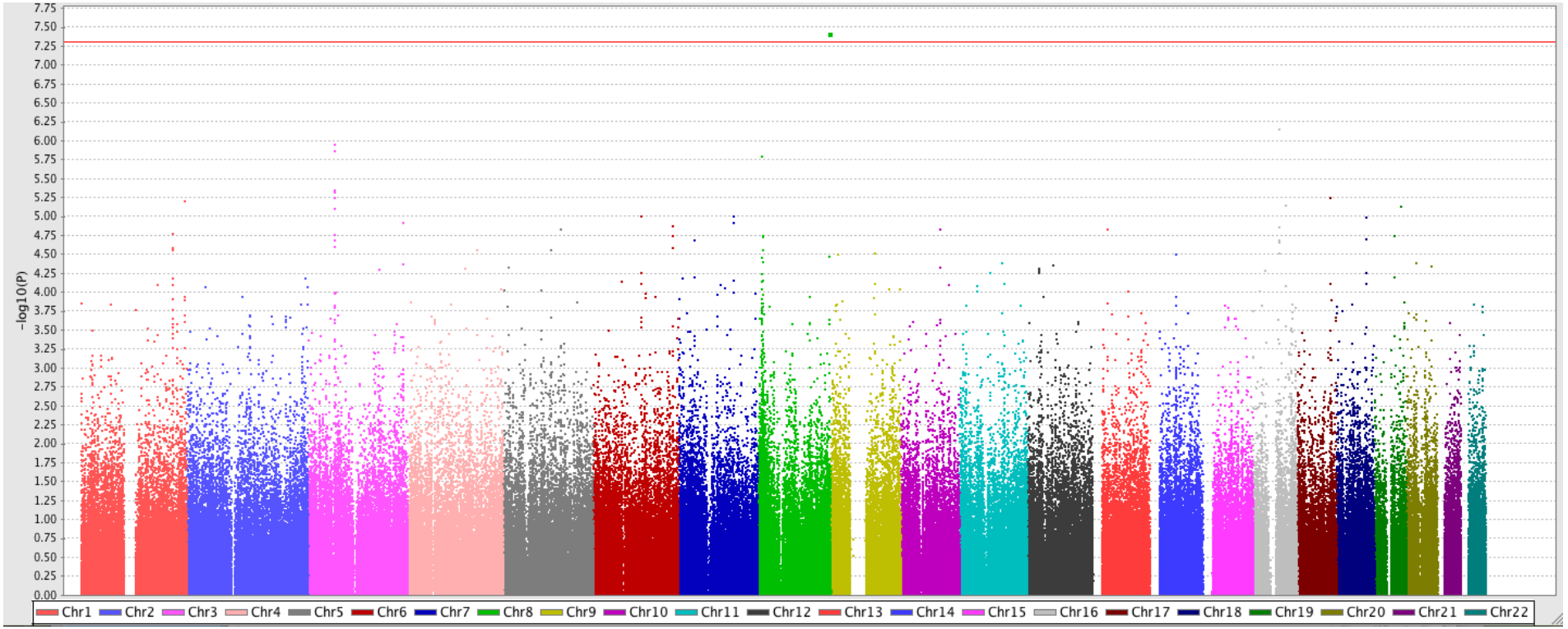
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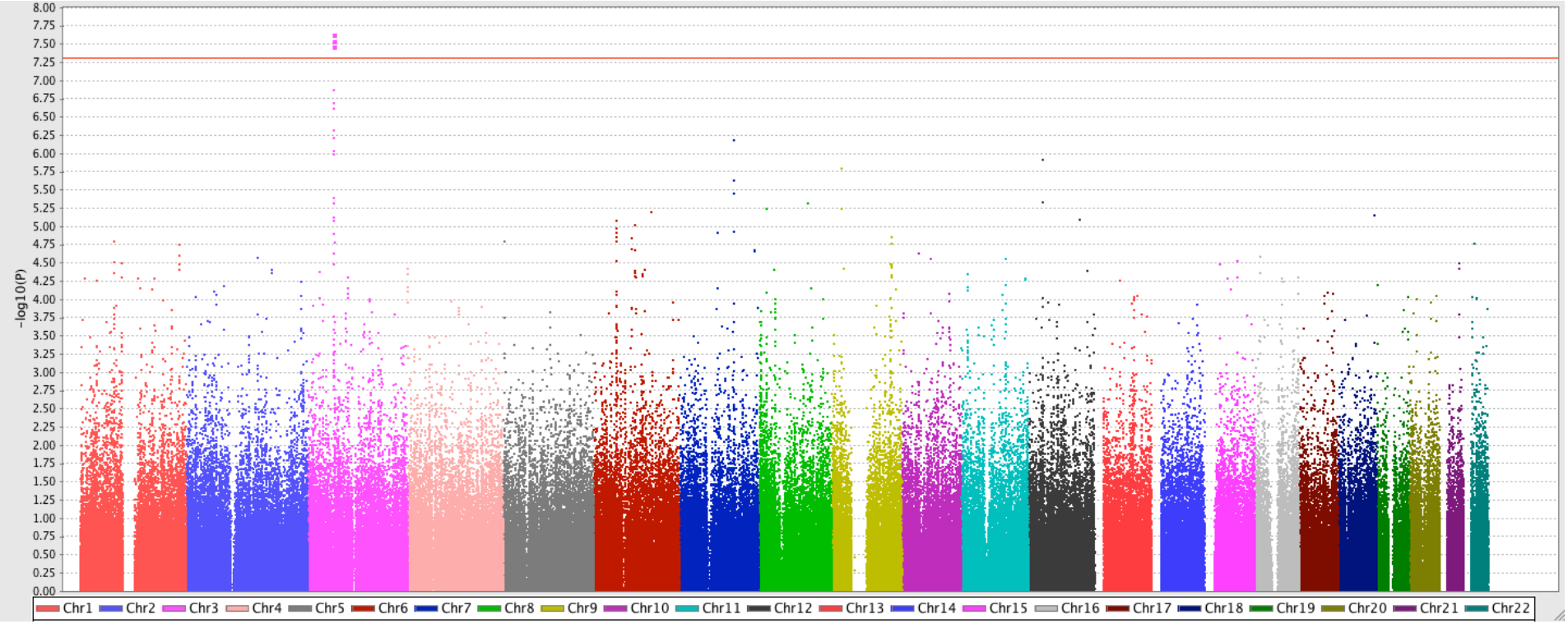
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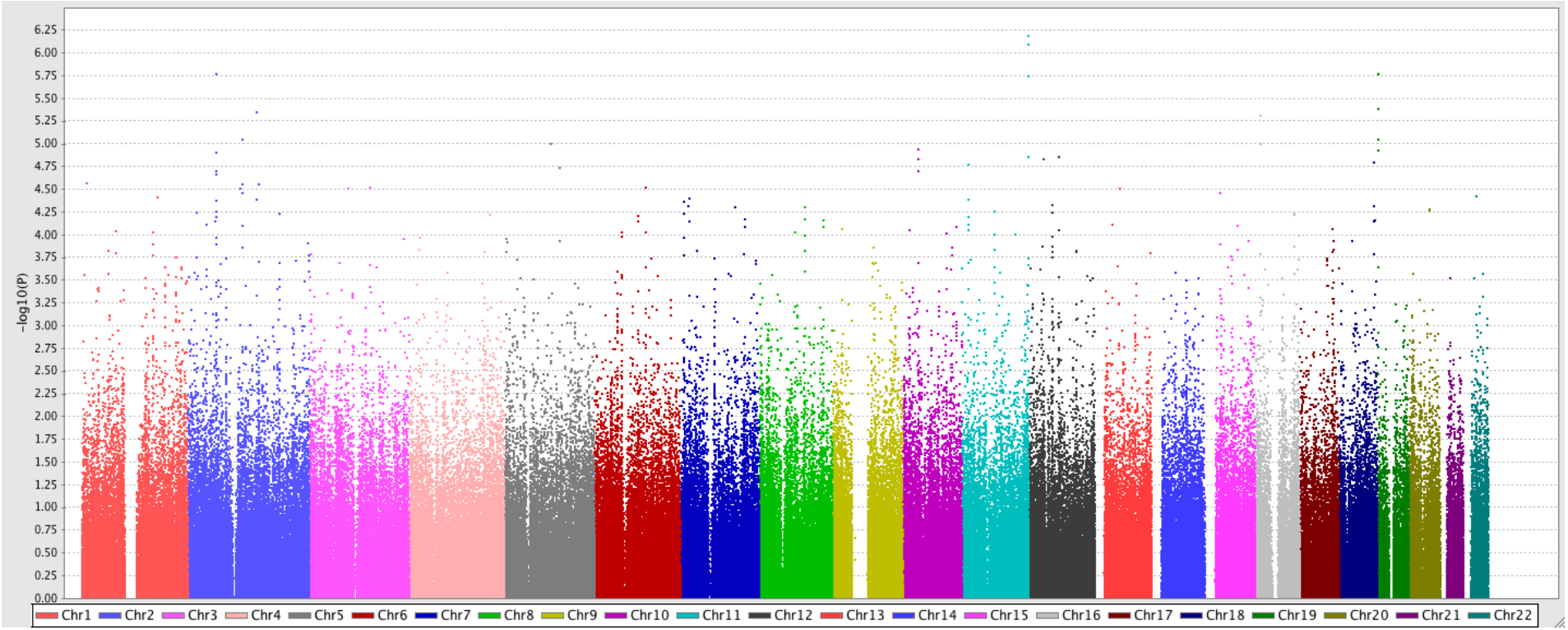
H.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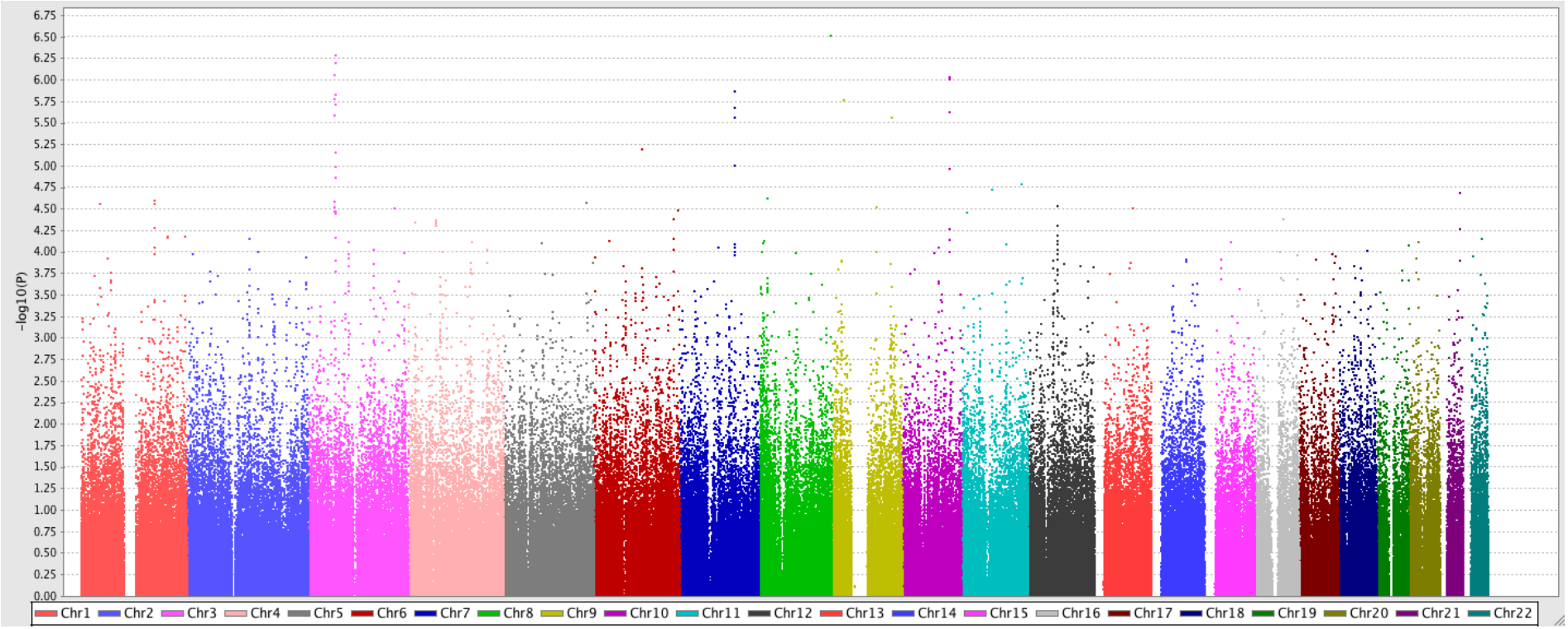
I.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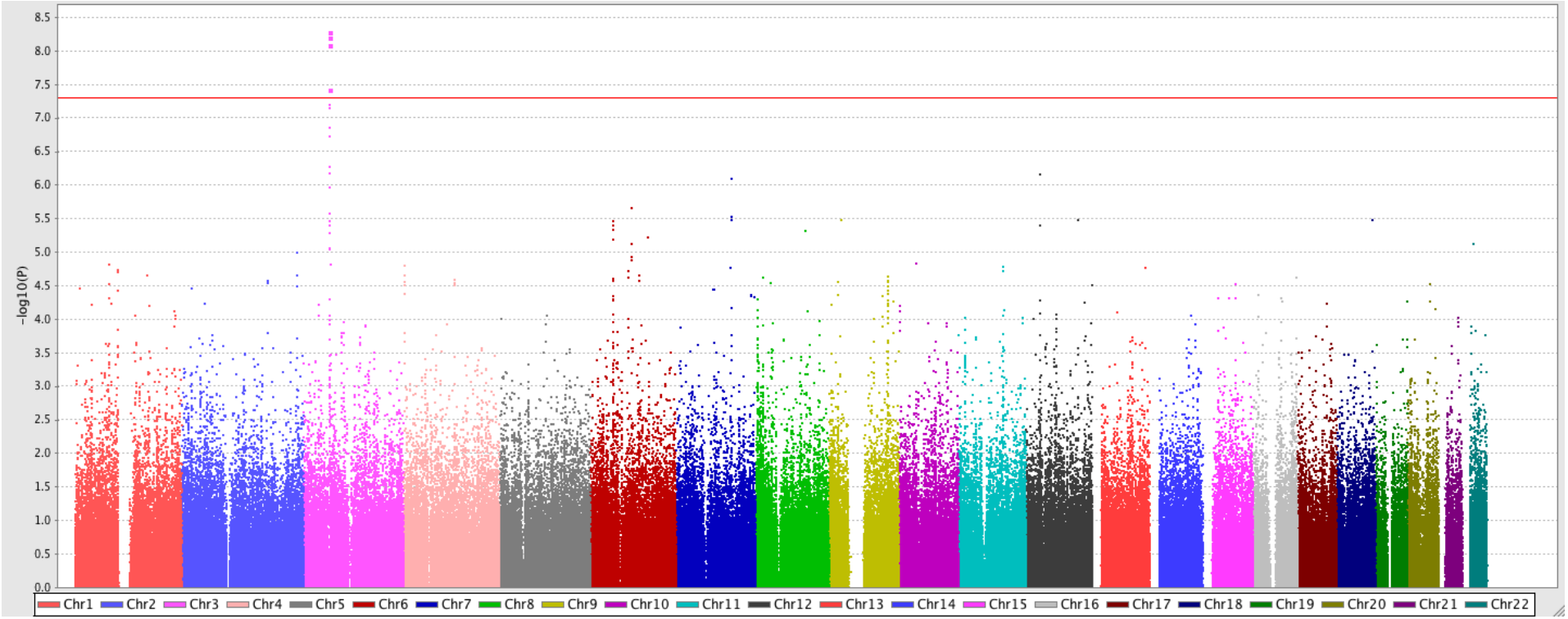
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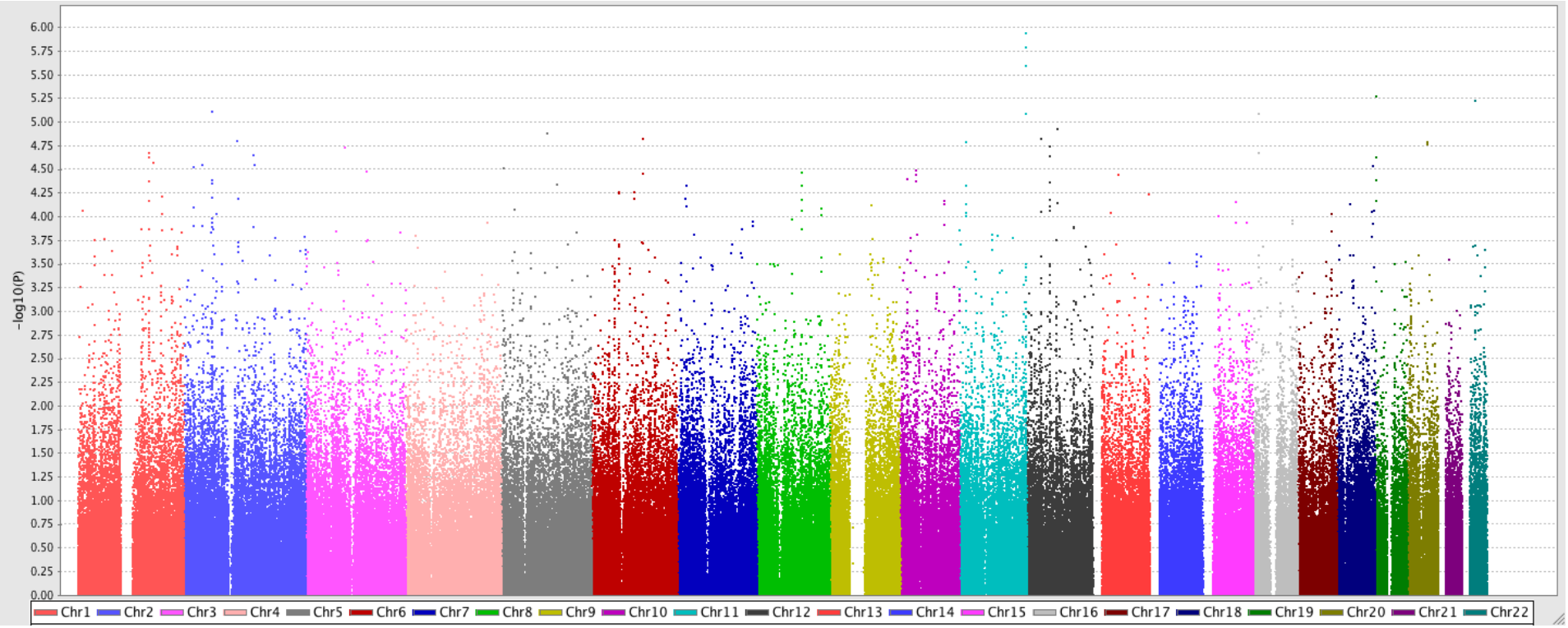
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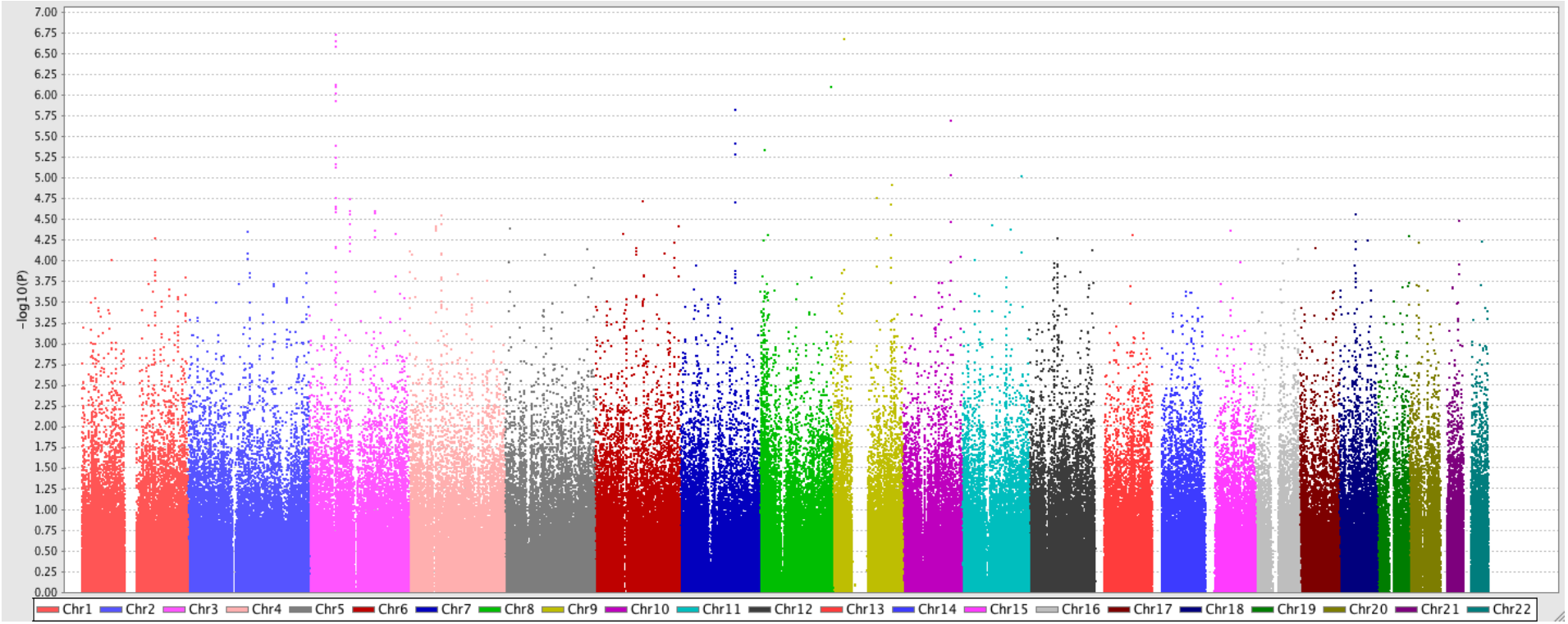
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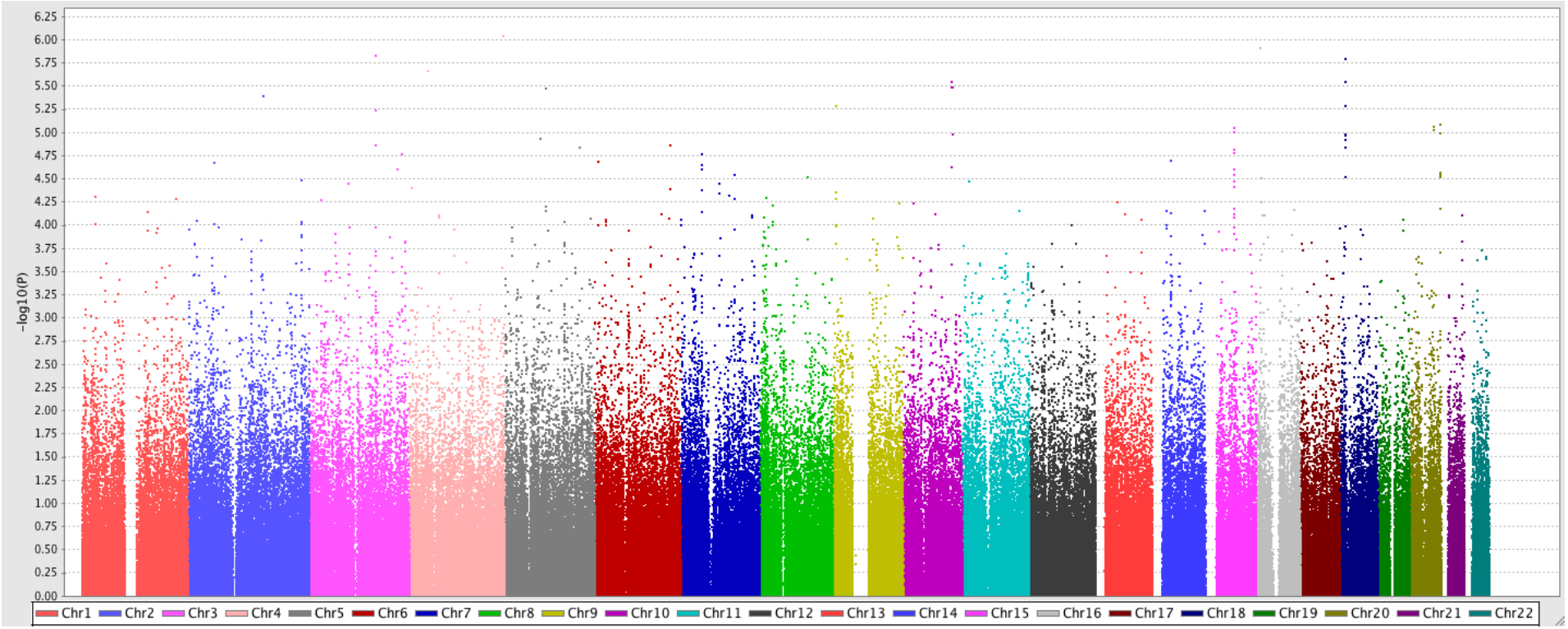
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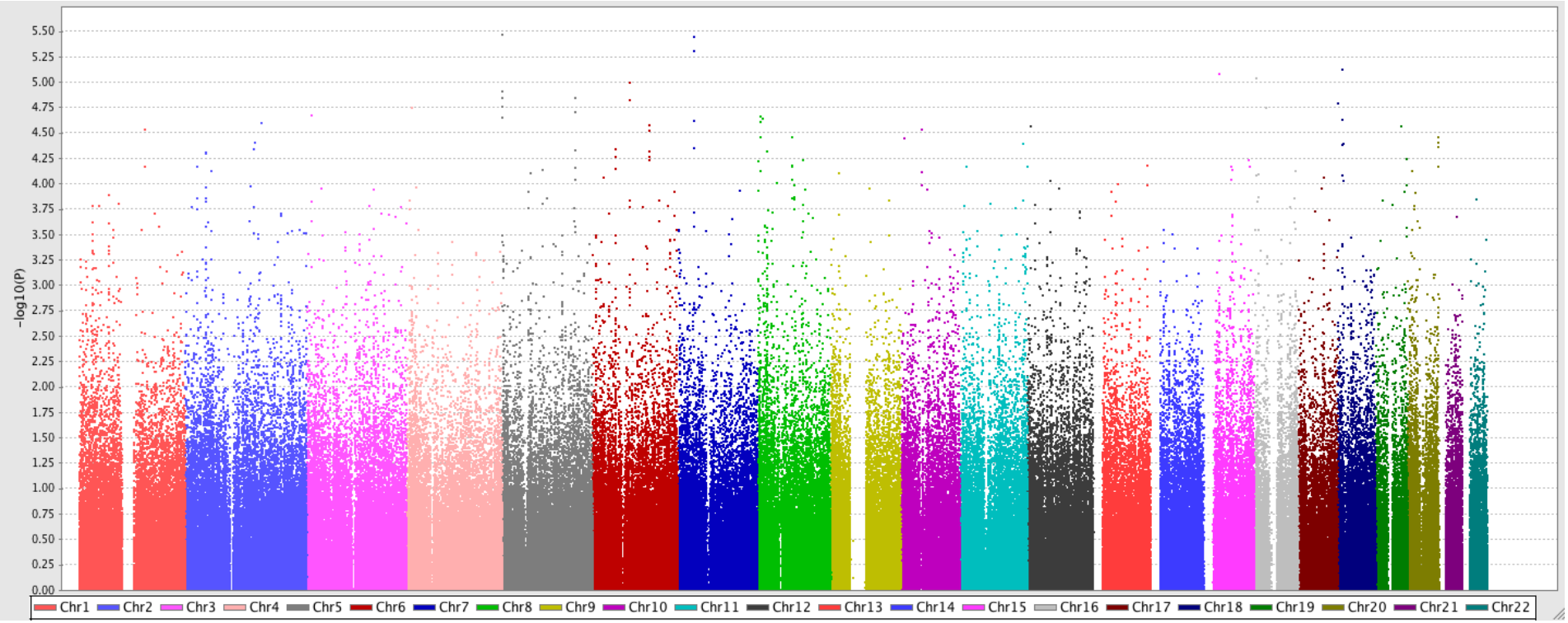
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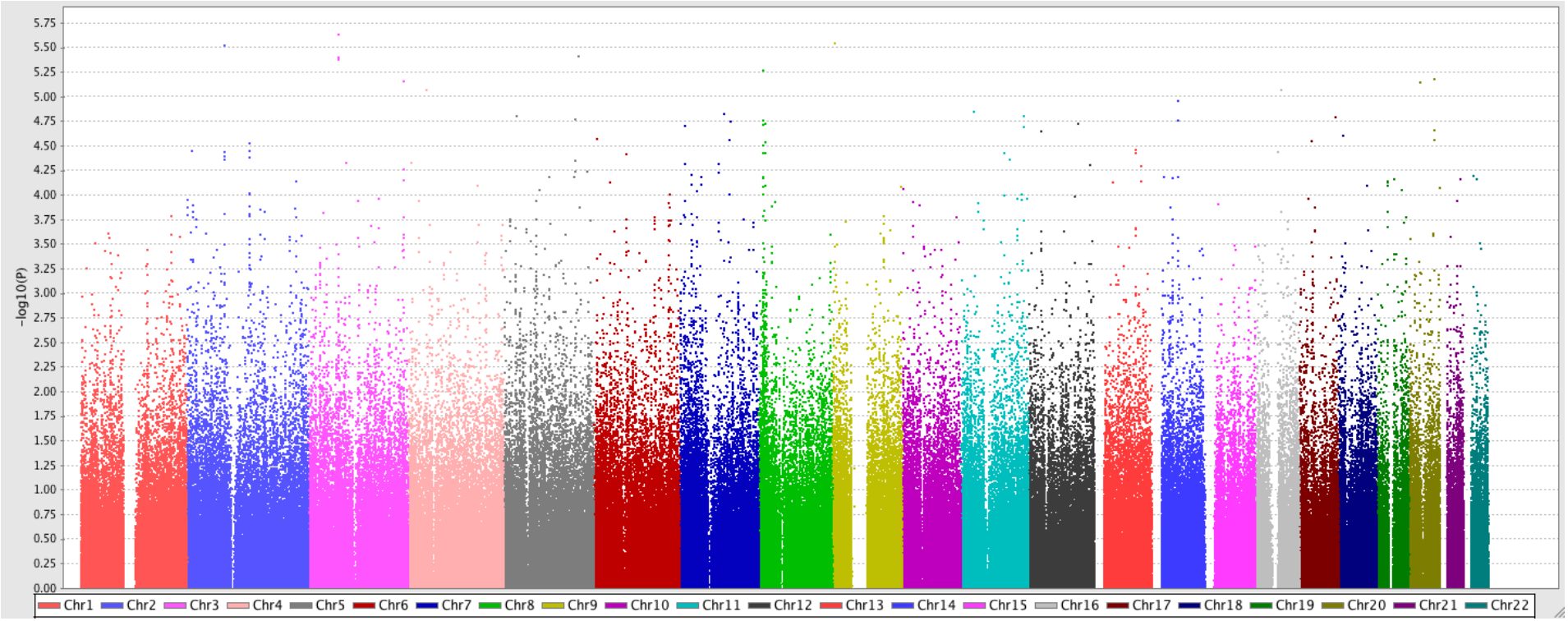
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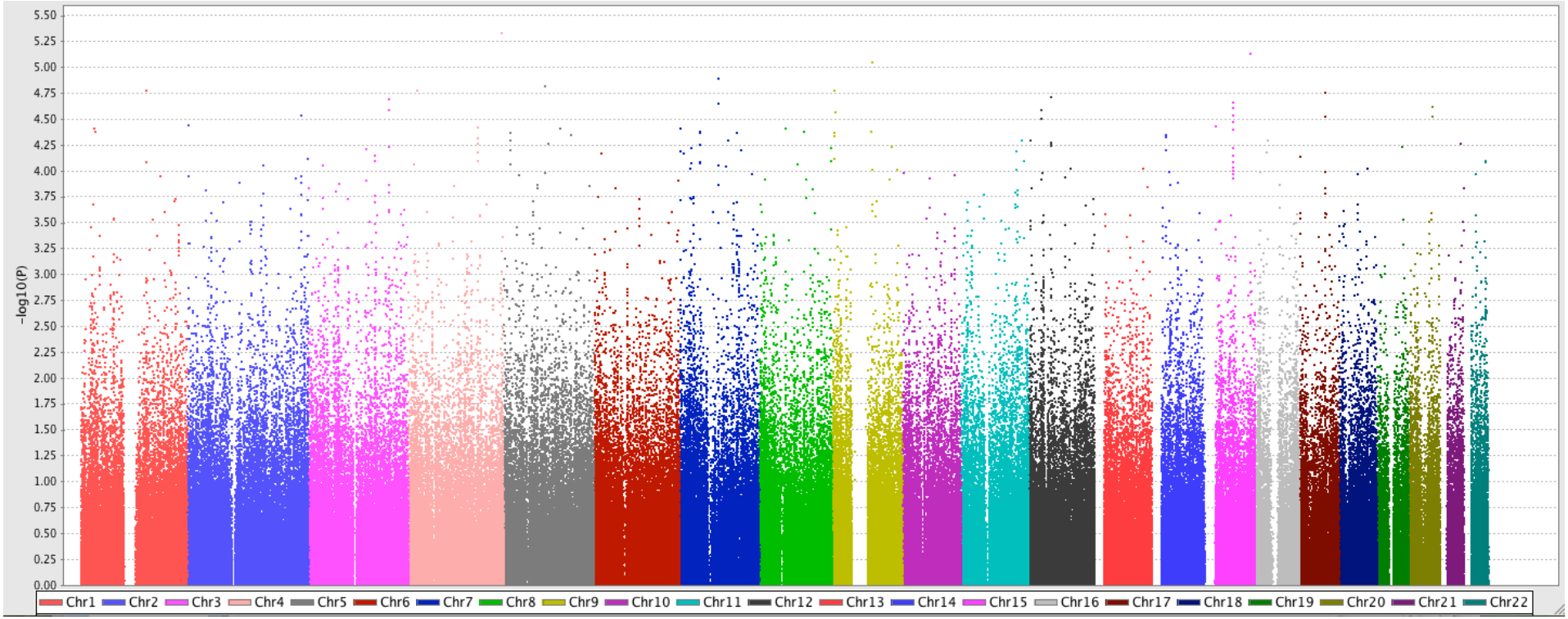
P.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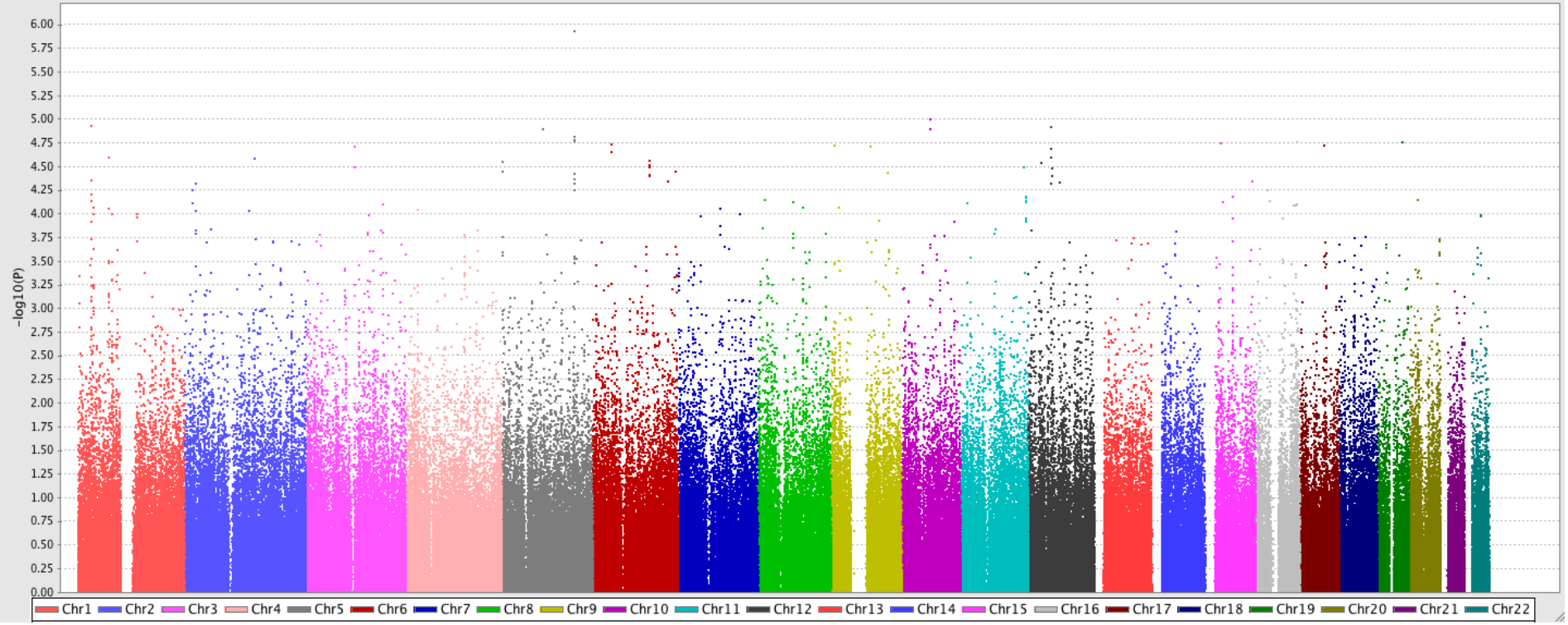
Q.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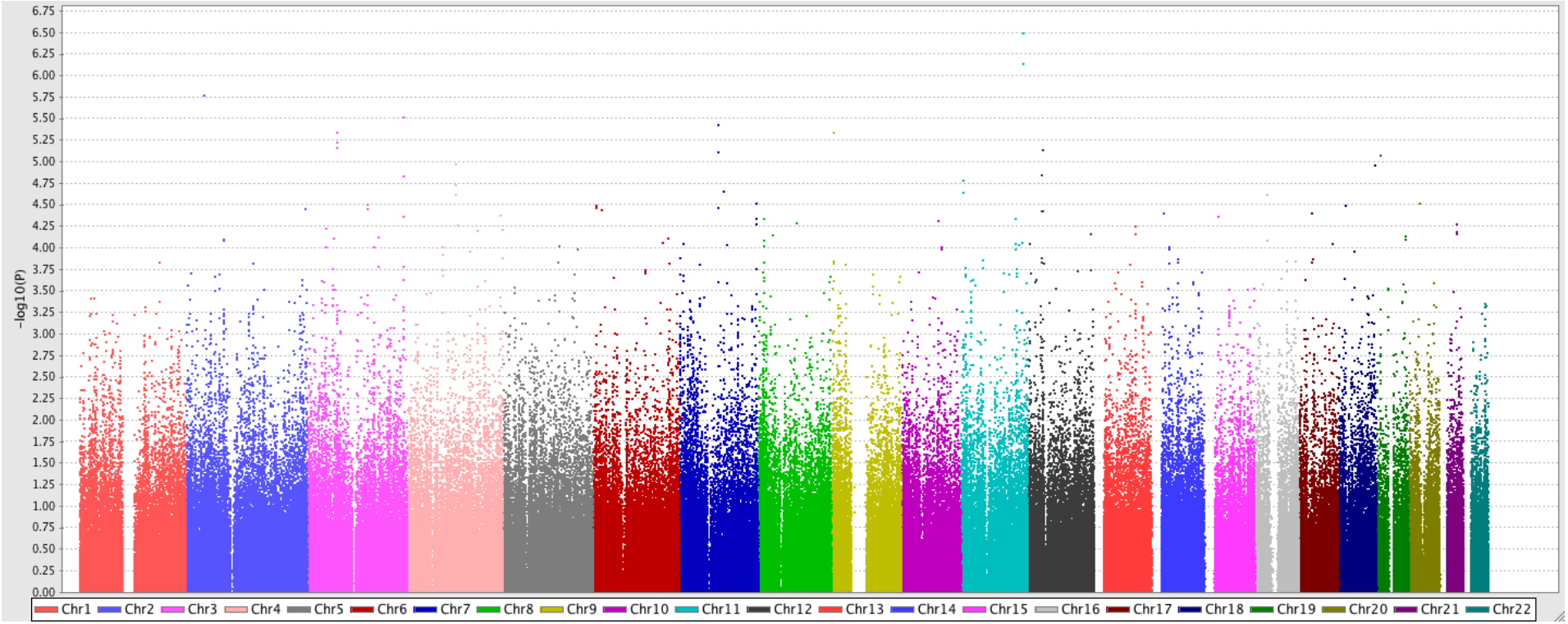
R.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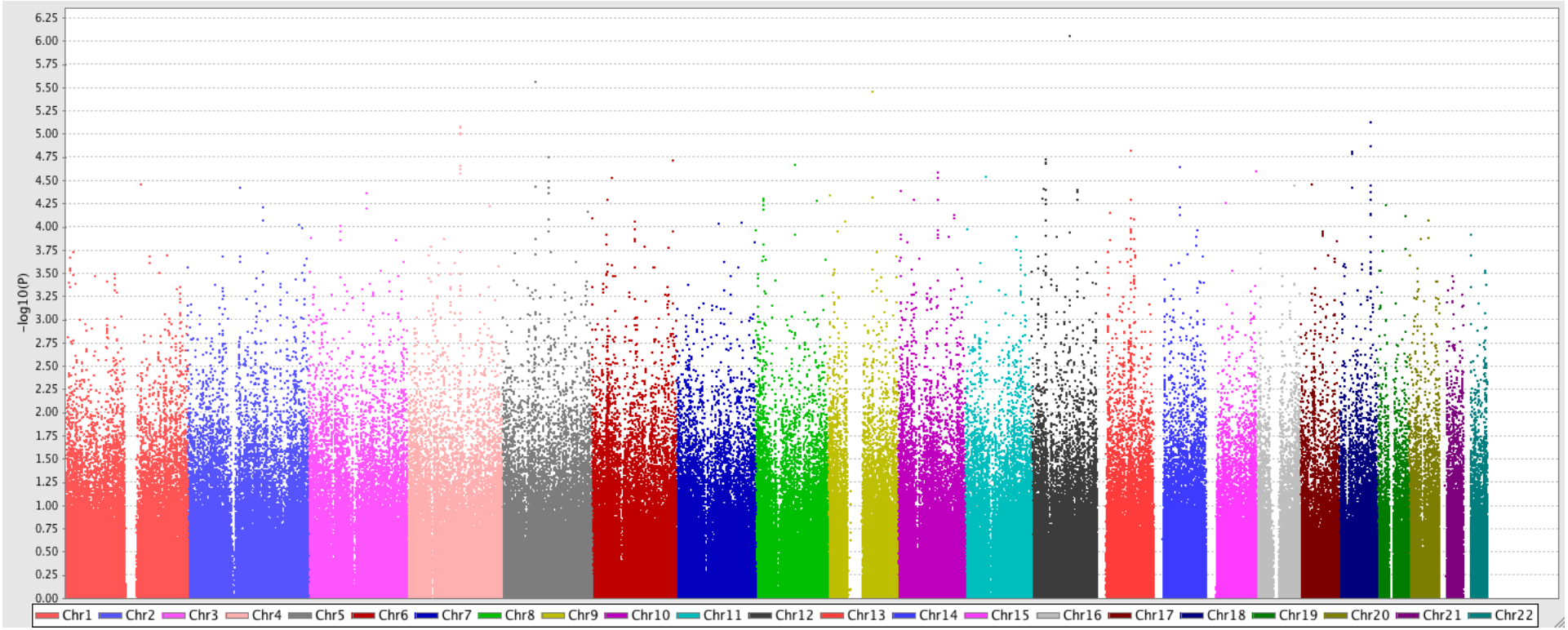
S.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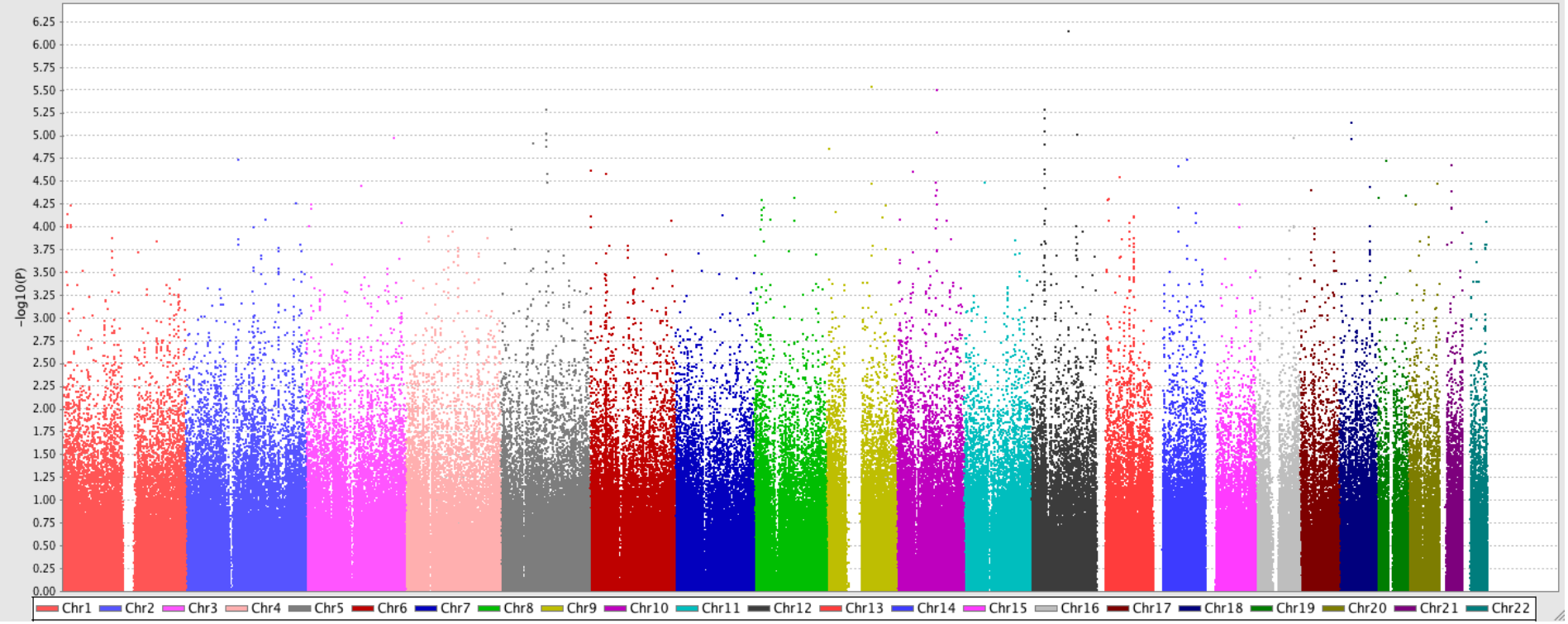
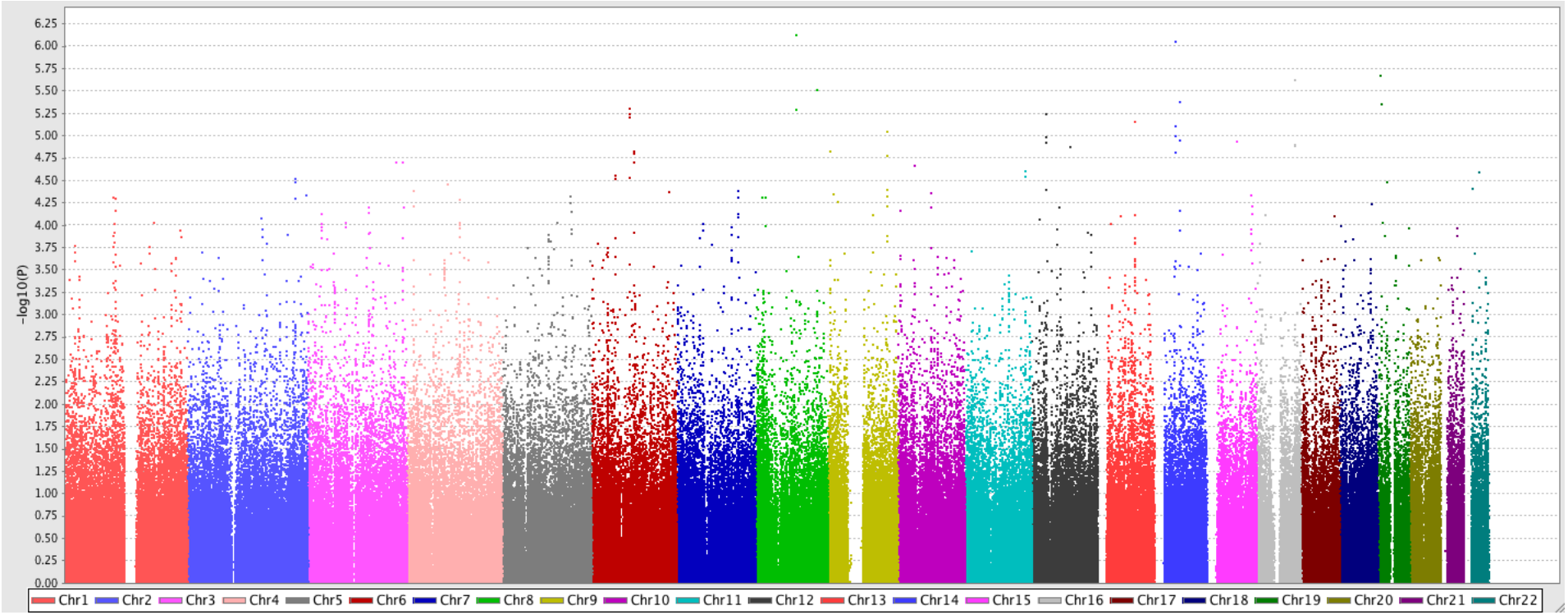
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

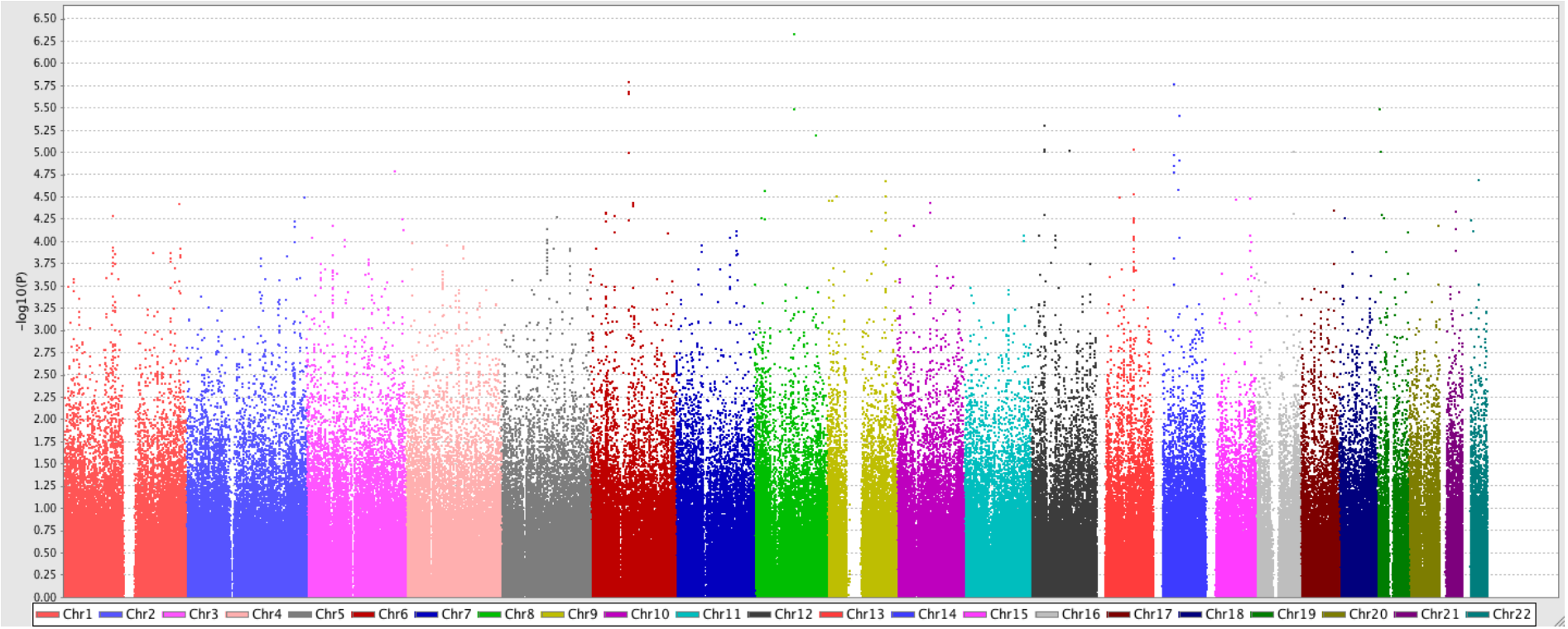
T.


6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−log10(P)
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

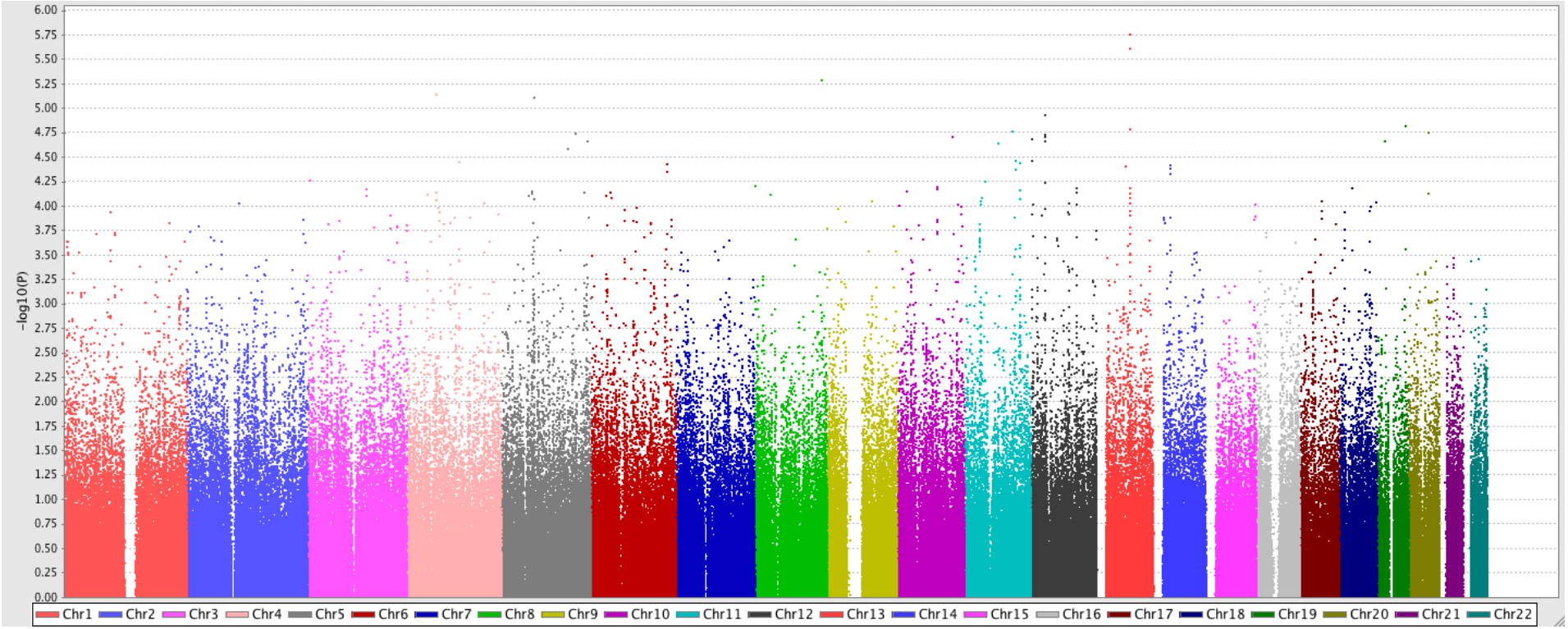
U.


-log10(P)
6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

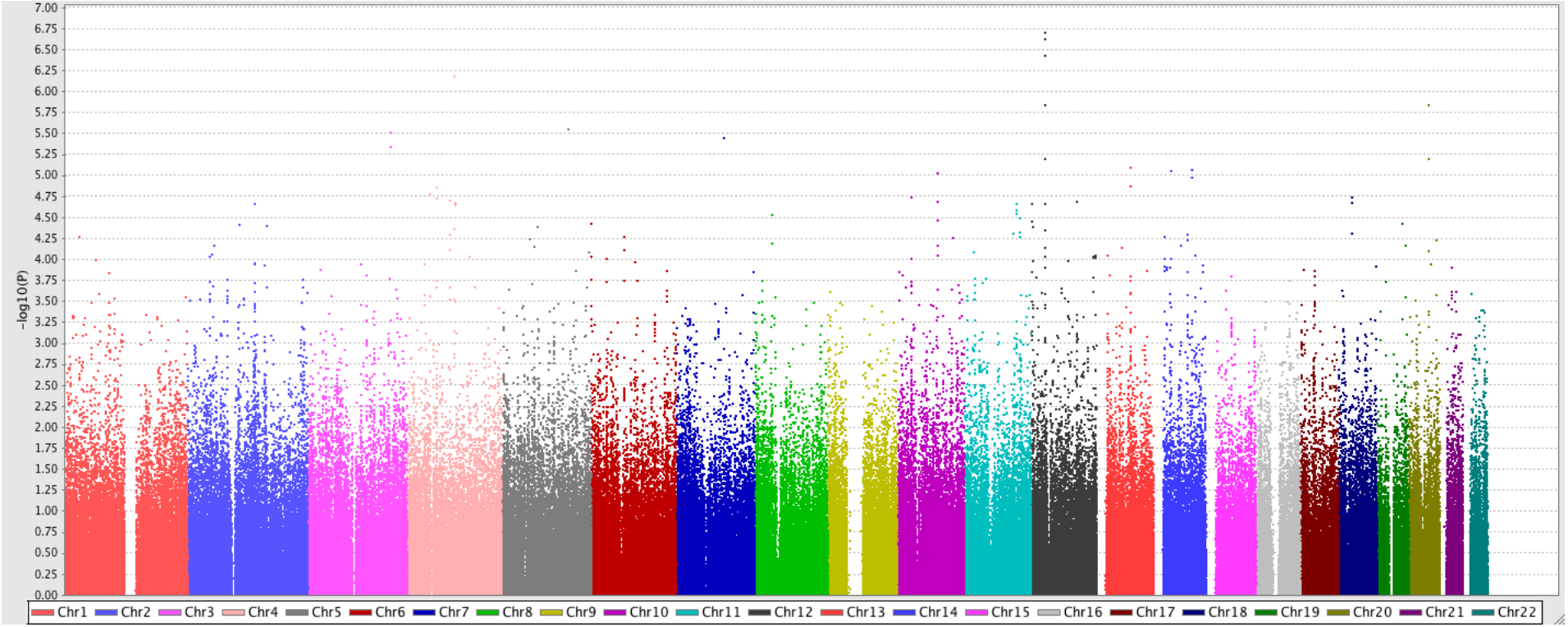
V.


6.50
6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
−log10(P)
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

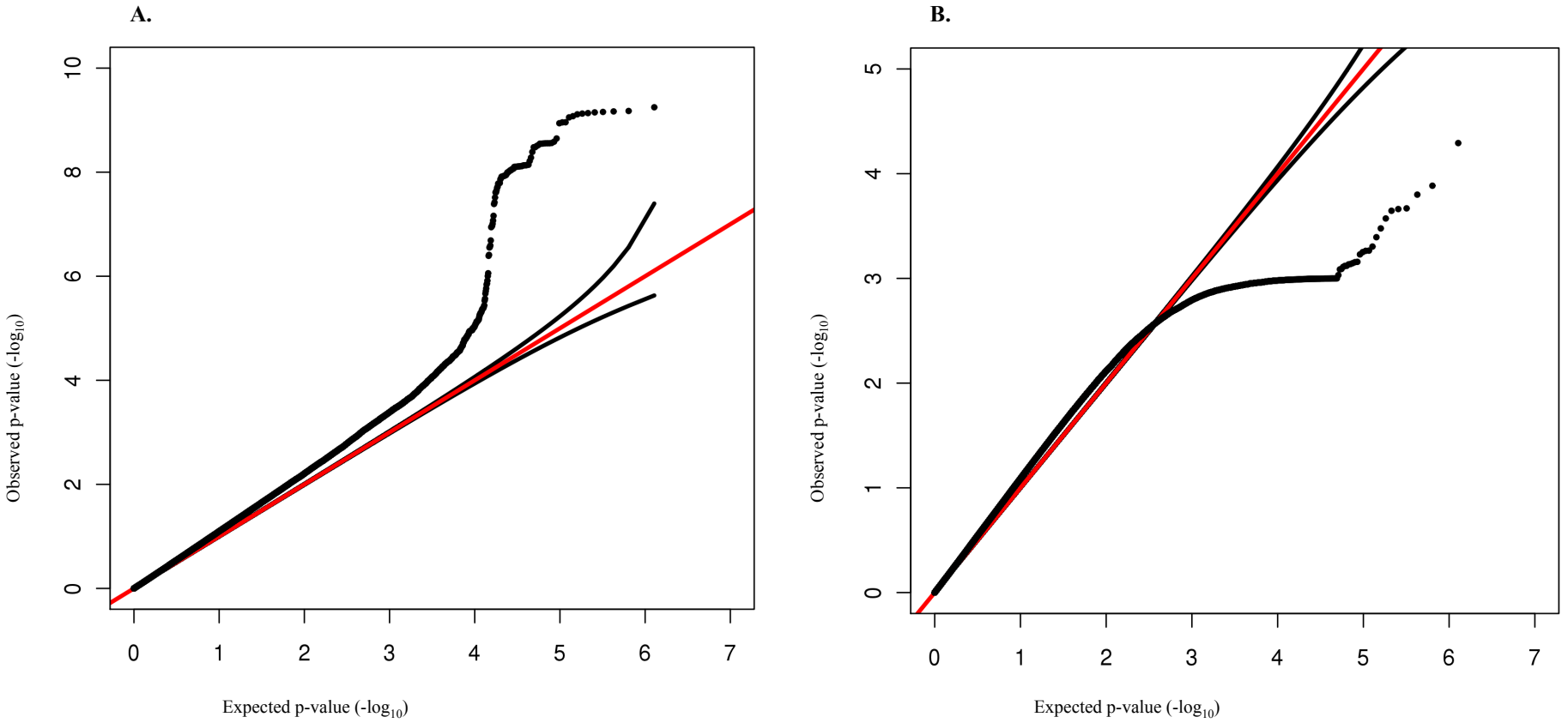
W.


-log10(P)
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

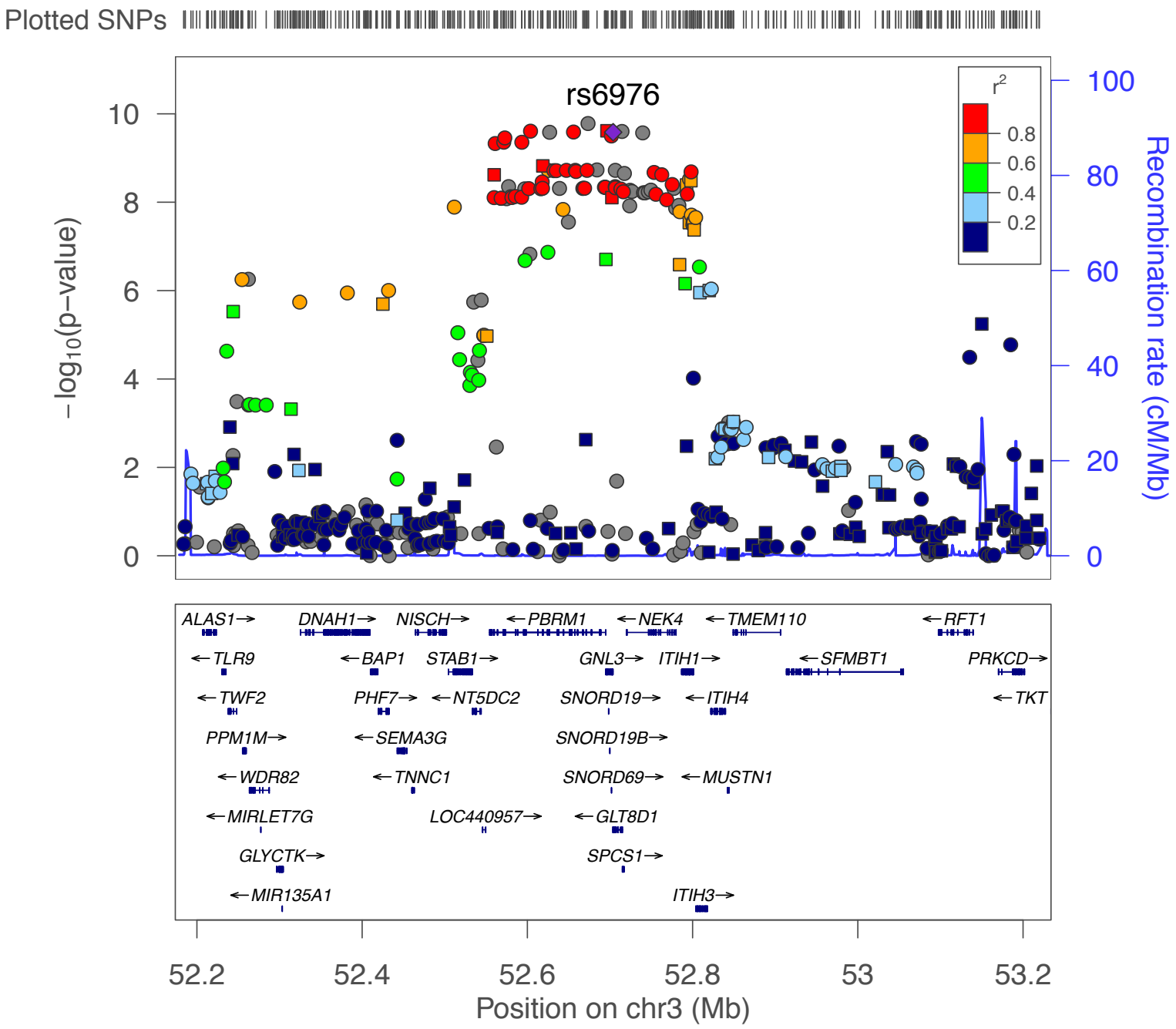
X.


7.00
6.75
6.50
6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
-log10(P)
Chr1 Chr2 Chr3 Chr4 Chr5 Chr6 Chr7 Chr8 Chr9 Chr10 Chr11 Chr12 Chr13 Chr14 Chr15 Chr16 Chr17 Chr18 Chr19 Chr20 Chr21 Chr22

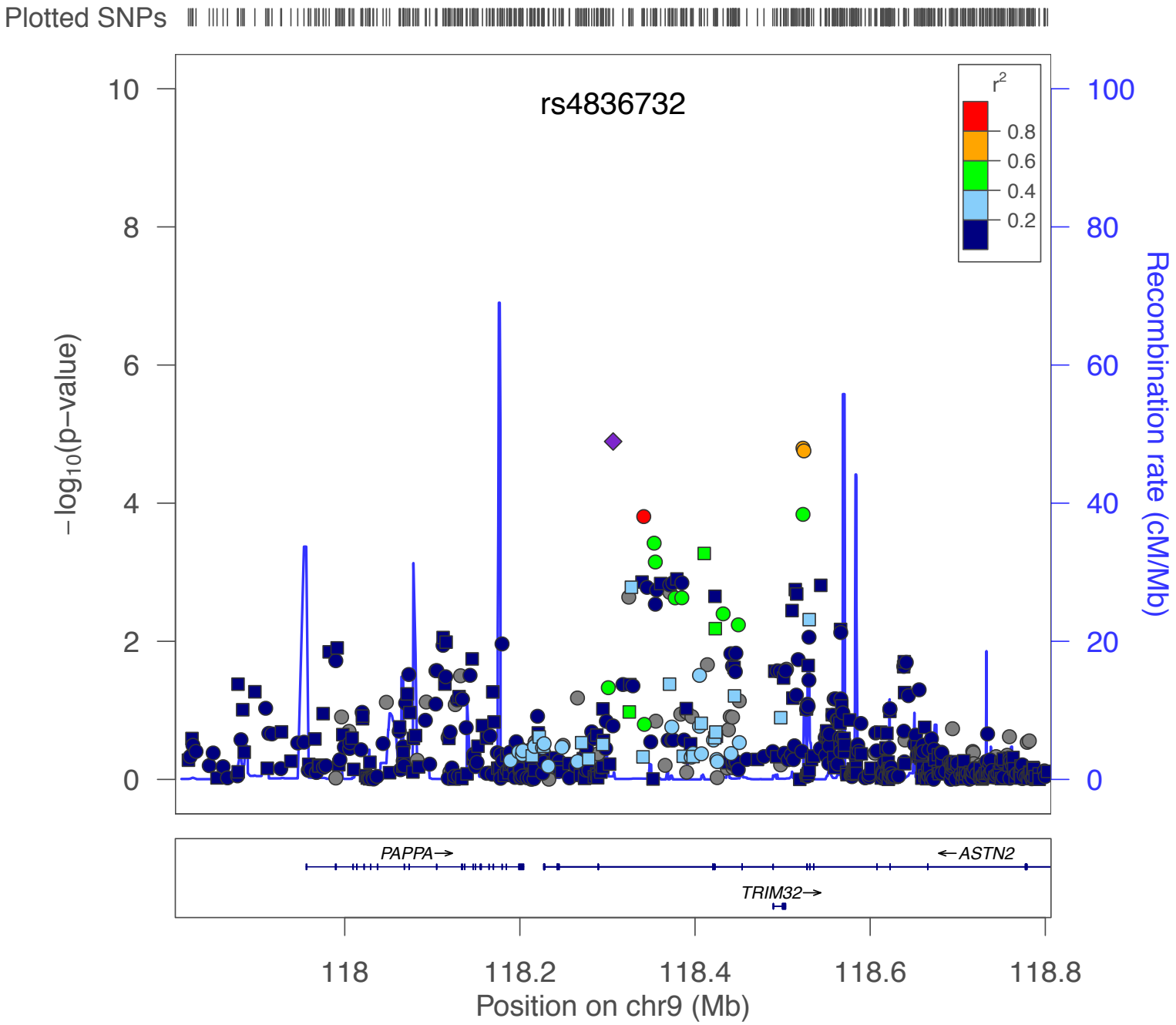
SF3


A.
B.
Observed p-value (-log10)
Expected p-value (-log10)
0
1
2
3
4
5
6
7
8
10

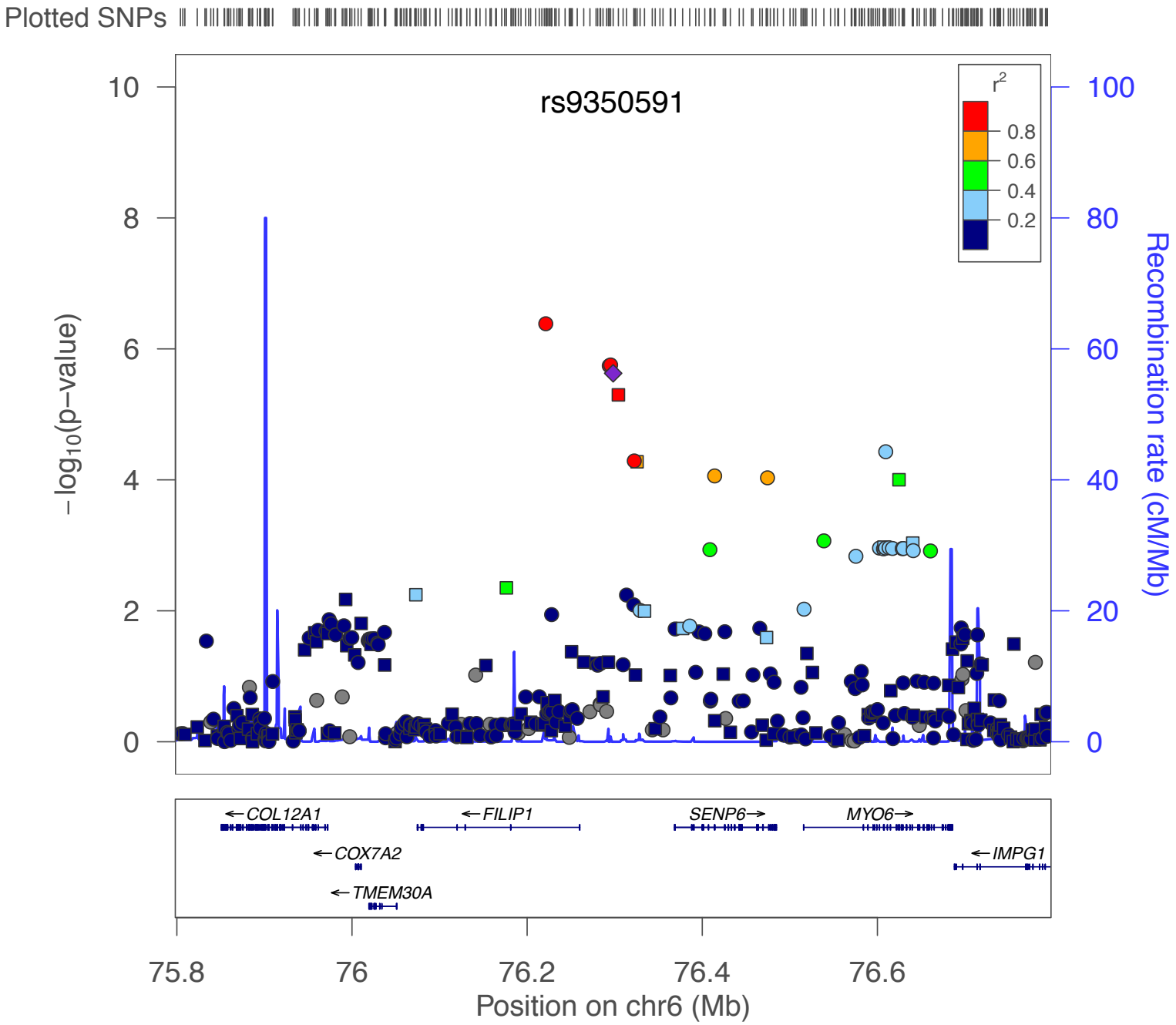
SF4 **a)**


Plotted SNPs
rs6976
r²
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
ALAS1→
DNAH1→
NISCH→
←PBRM1
←NEK4
←TMEM110
←RFT1
←TLR9
←BAP1
STAB1→
GNL3→
ITIH1→
←SFMBT1
PRKCD→
←TWF2
PHF7→
←NT5DC2
SNORD19→
←ITIH4
←TKT
PPM1M→
←SEMA3G
SNORD19B→
←WDR82
←TNNC1
SNORD69→
←MUSTN1
←MIRLET7G
LOC440957→
←GLT8D1
GLYCTK→
SPCS1→
←MIR135A1
ITIH3→
Position on chr3 (Mb)

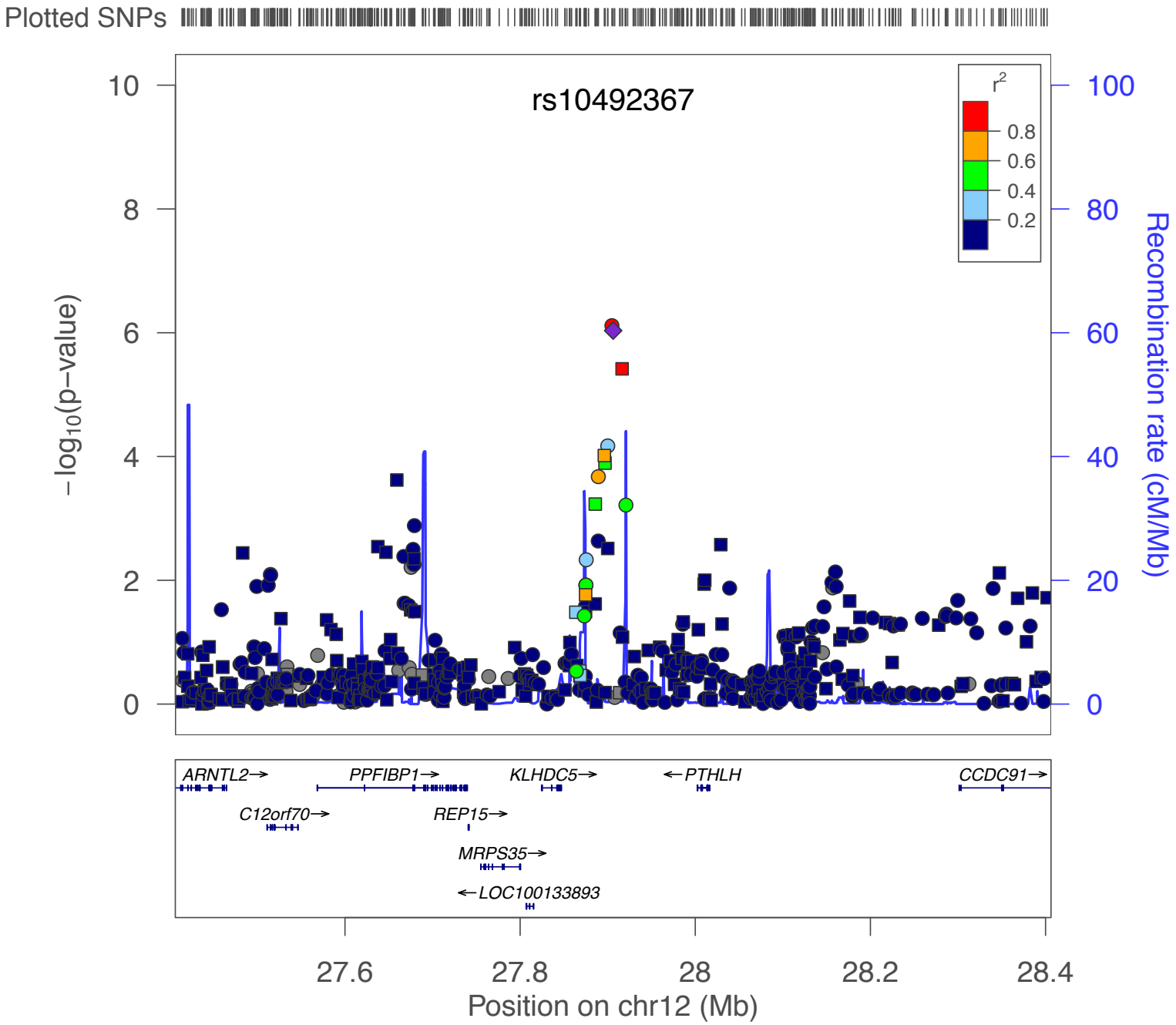
b)


Plotted SNPs
rs4836732
r²
0.8
0.6
0.4
0.2
10
8
6
4
2
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
PAPPA→
←ASTN2
TRIM32→
118
118.2
118.4
118.6
118.8
Position on chr9 (Mb)

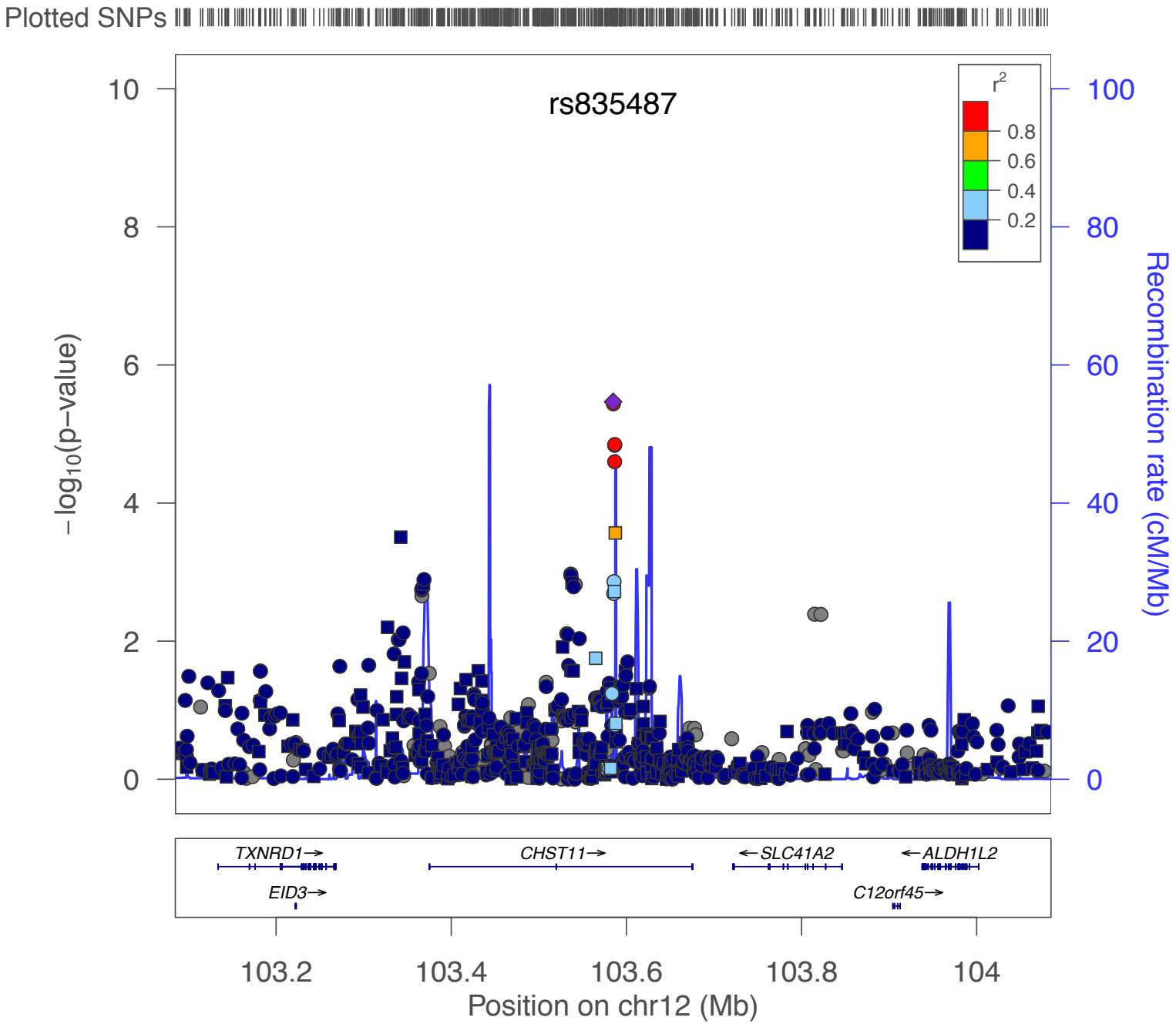
c)


Plotted SNPs
rs9350591
r²
0.8
0.6
0.4
0.2
10
8
6
4
2
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
←COL12A1
←FILIP1
SENP6→
MYO6→
←COX7A2
←IMPG1
←TMEM30A
75.8
76
76.2
76.4
76.6
Position on chr6 (Mb)

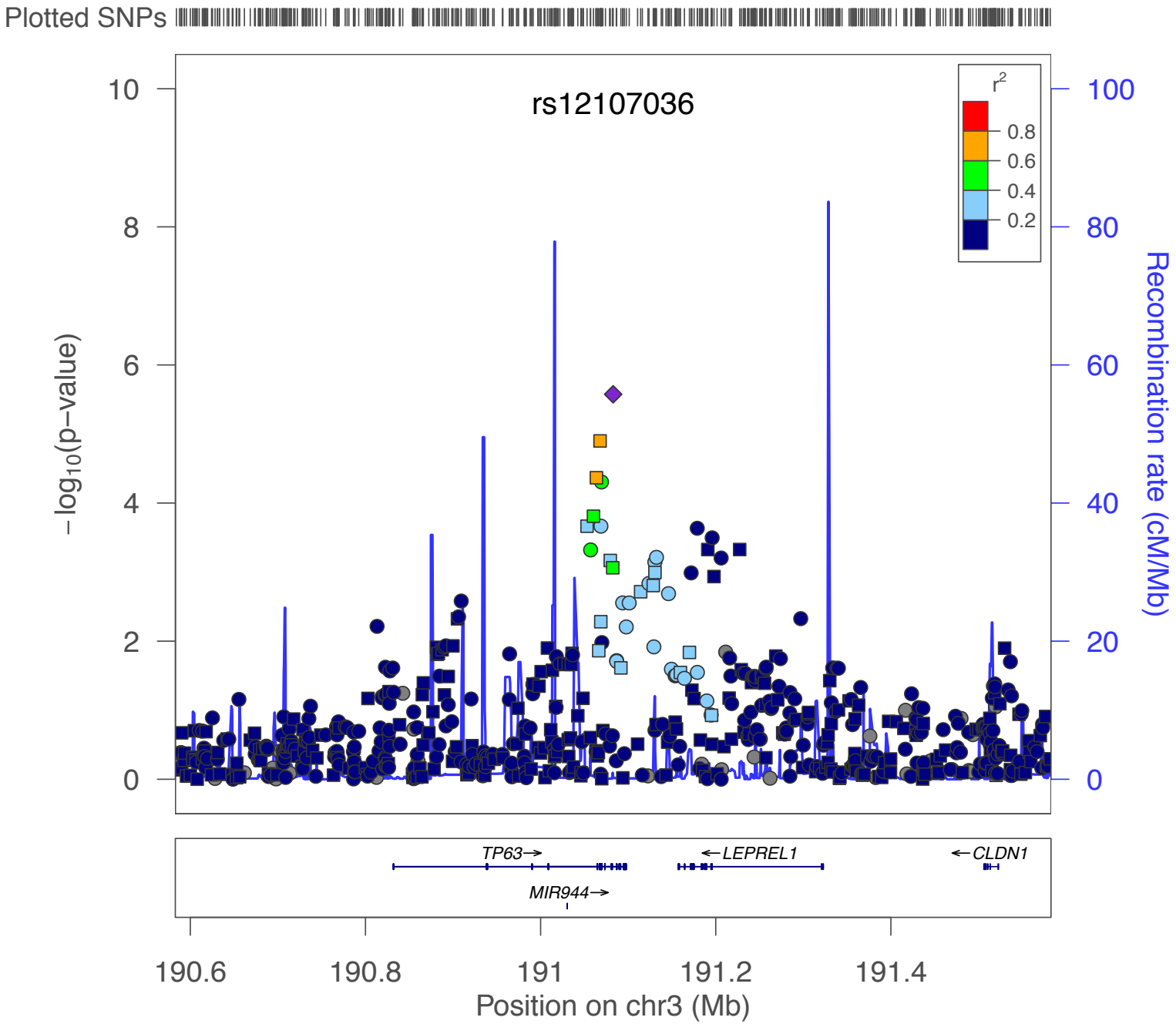
d)


Plotted SNPs
rs10492367
r²
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
10
8
6
4
2
0
100
80
60
40
20
0
ARNTL2→
PPFIBP1→
KLHDC5→
←PTHLH
CCDC91→
C12orf70→
REP15→
MRPS35→
←LOC100133893
27.6
27.8
28
28.2
28.4
Position on chr12 (Mb)

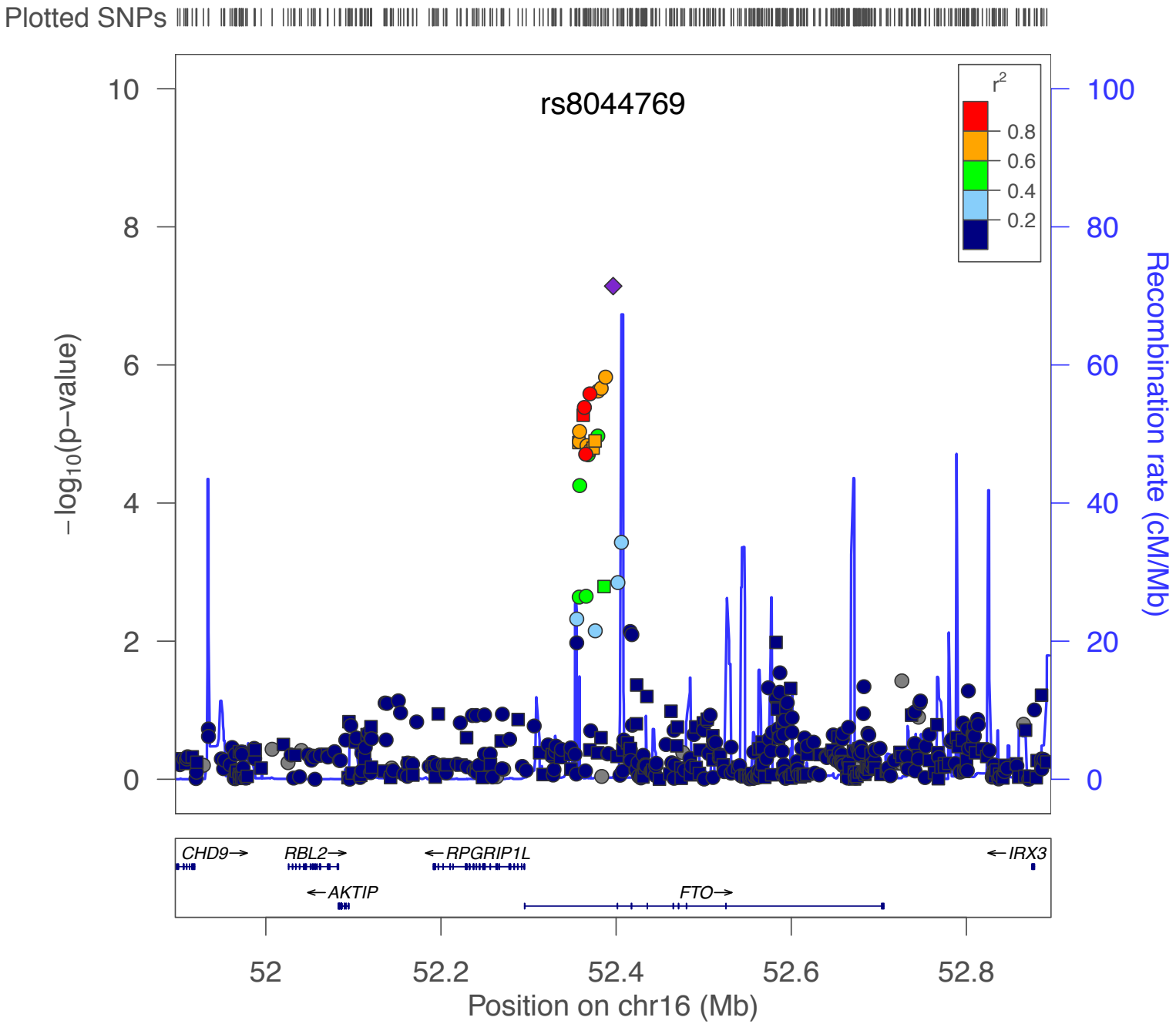
e)


Plotted SNPs
rs835487
r2
0.8
0.6
0.4
0.2
10
8
6
4
2
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
TXNRD1→
CHST11→
←SLC41A2
←ALDH1L2
EID3→
C12orf45→
103.2
103.4
103.6
103.8
104
Position on chr12 (Mb)

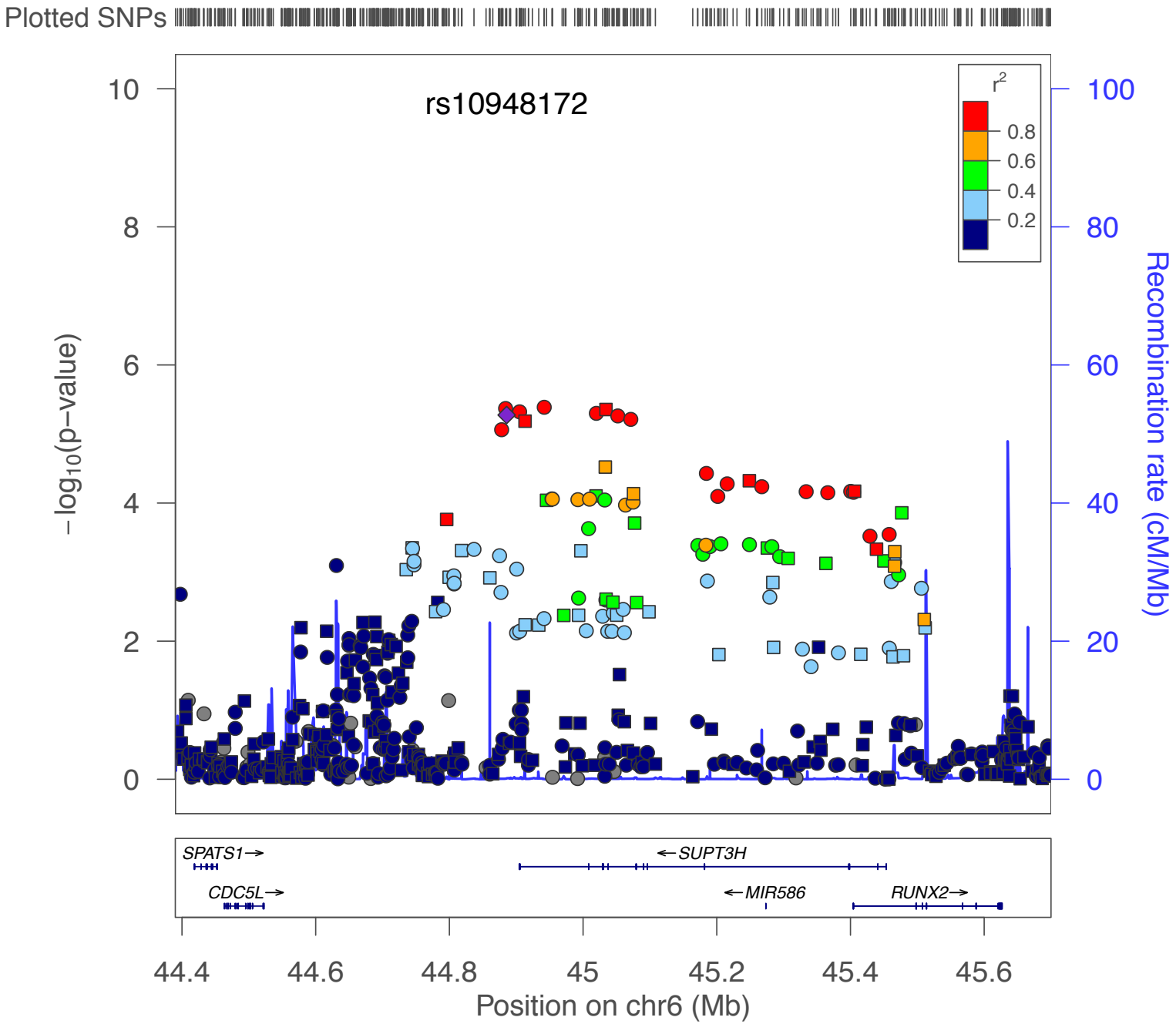
f)


Plotted SNPs
rs12107036
r2
0.8
0.6
0.4
0.2
10
8
6
4
2
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
TP63→
←LEPREL1
←CLDN1
MIR944→
190.6
190.8
191
191.2
191.4
Position on chr3 (Mb)

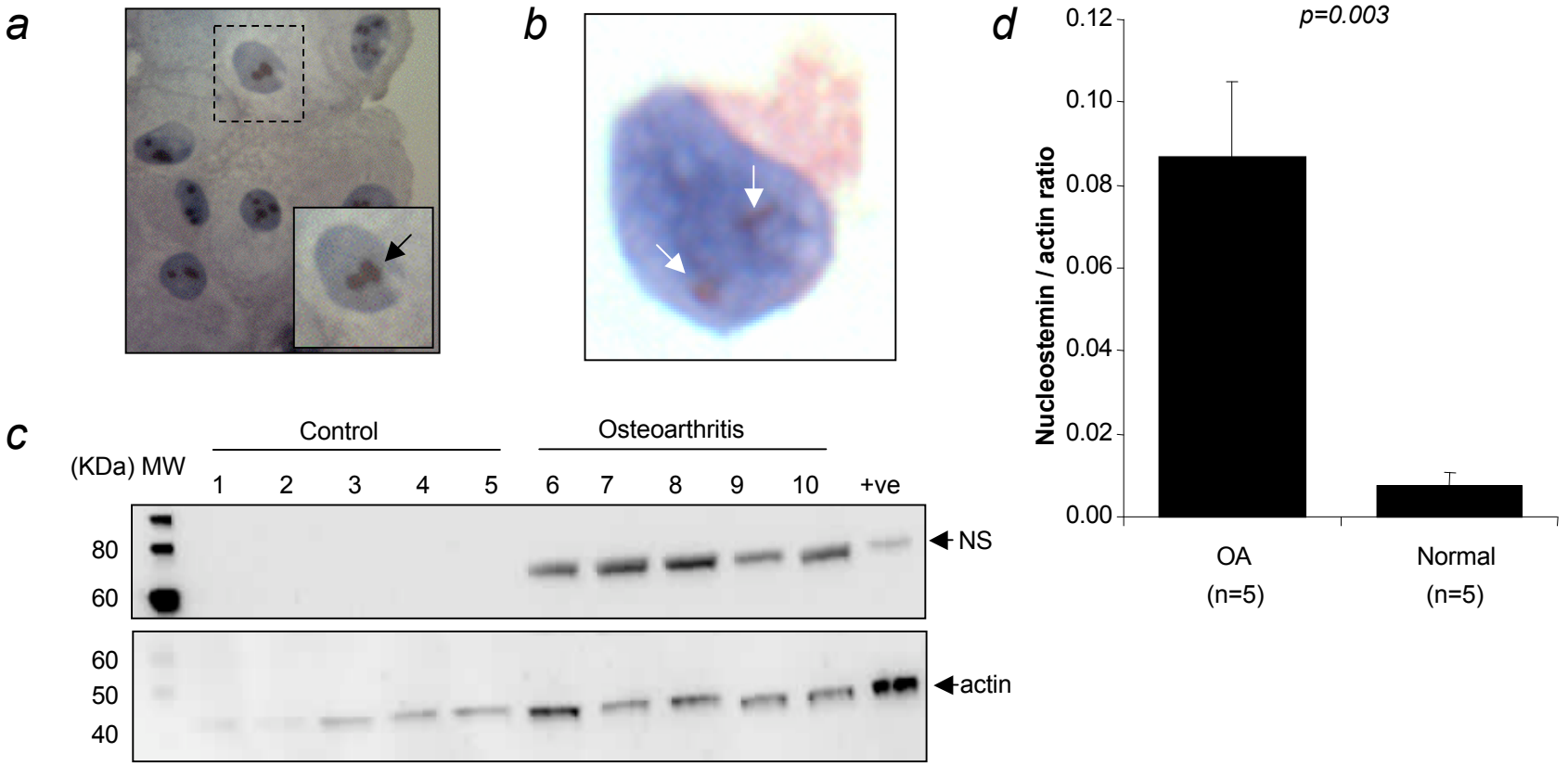
g)


Plotted SNPs
rs8044769
r²
0.8
0.6
0.4
0.2
10
8
6
4
2
0
100
80
60
40
20
0
−log10(p−value)
Recombination rate (cM/Mb)
CHD9→
RBL2→
←RPGRIP1L
←IRX3
←AKTIP
FTO→
52
52.2
52.4
52.6
52.8
Position on chr16 (Mb)

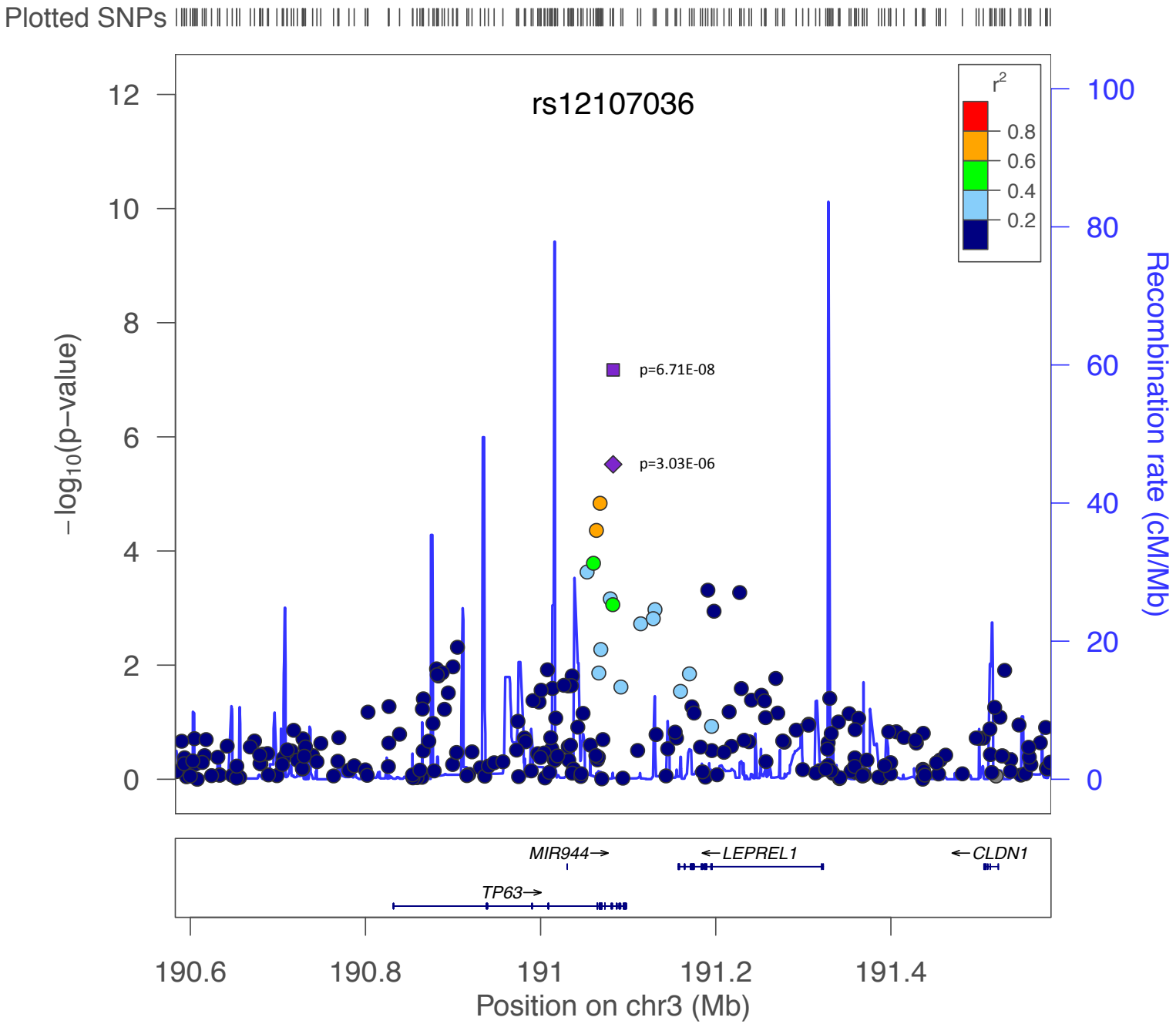
h)


Plotted SNPs
rs10948172
r2
0.8
0.6
0.4
0.2
−log10(p−value)
Recombination rate (cM/Mb)
SPATS1
SUPT3H
CDC5L
MIR586
RUNX2
Position on chr6 (Mb)

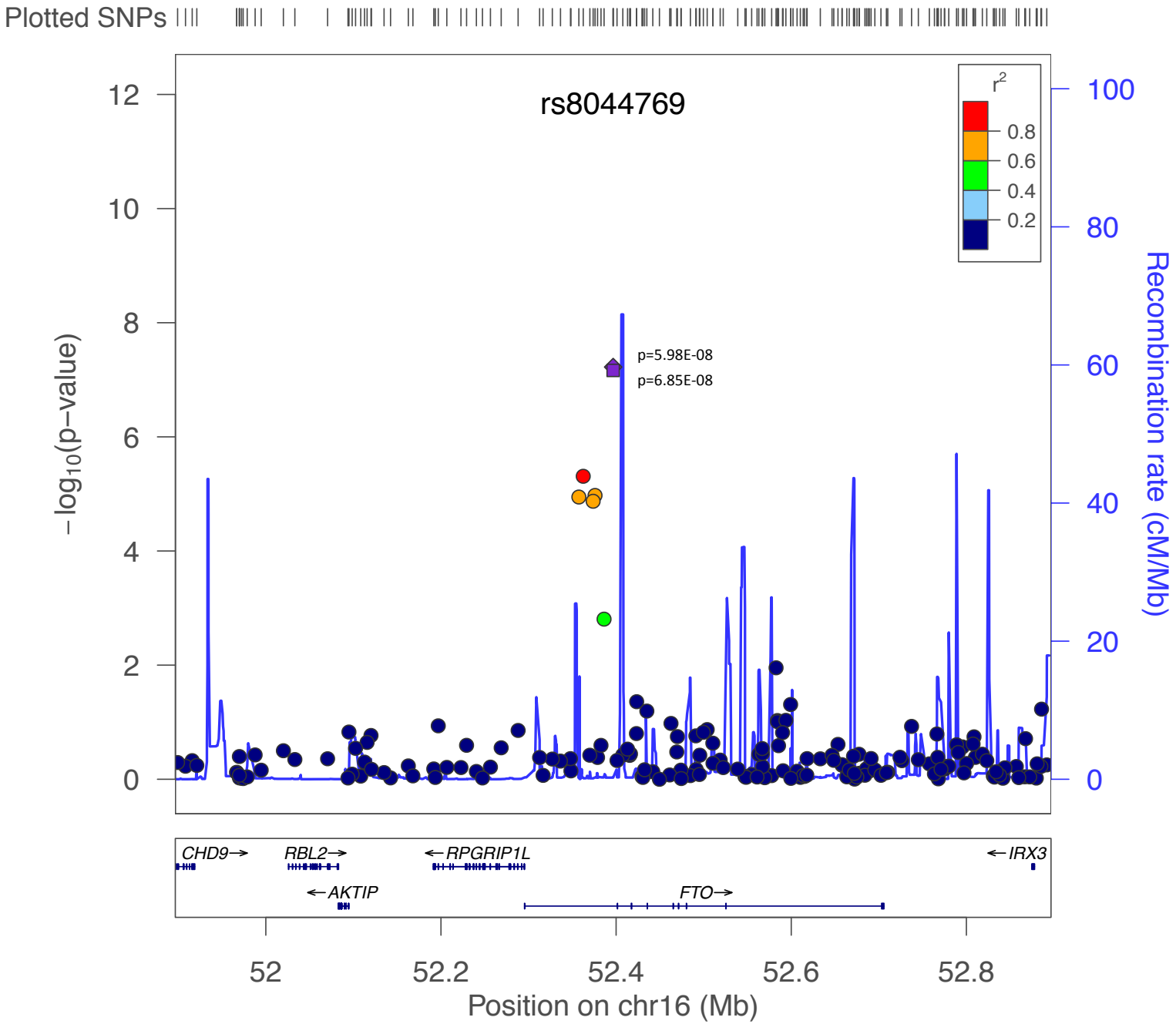
SF5


a
b
c
d
Control
Osteoarthritis
(KDa) MW
1 2 3 4 5 6 7 8 9 10 +ve
80
60
NS
60
50
40
actin
p=0.003
Nucleostemin / actin ratio
0.12
0.10
0.08
0.06
0.04
0.02
0.00
OA
(n=5)
Normal
(n=5)

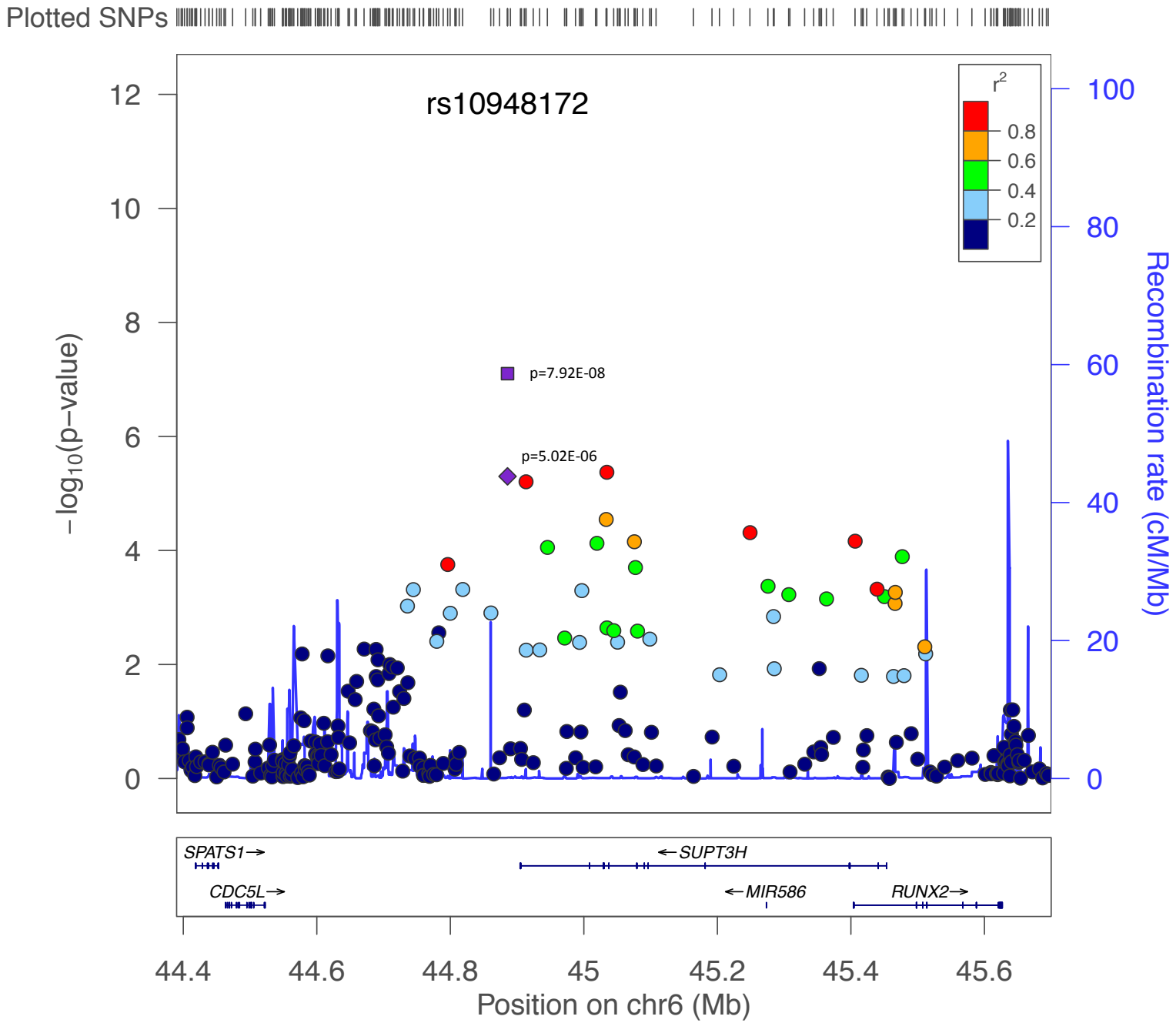
SF6 a)


Plotted SNPs
rs12107036
r2
0.8
0.6
0.4
0.2
p=6.71E-08
p=3.03E-06
−log10(p−value)
Recombination rate (cM/Mb)
MIR944
LEPREL1
CLDN1
TP63
Position on chr3 (Mb)

b)


Plotted SNPs
rs8044769
r²
0.8
0.6
0.4
0.2
p=5.98E-08
p=6.85E-08
−log10(p−value)
Recombination rate (cM/Mb)
12
10
8
6
4
2
0
100
80
60
40
20
0
CHD9→
RBL2→
←RPGRIP1L
←IRX3
←AKTIP
FTO→
52
52.2
52.4
52.6
52.8
Position on chr16 (Mb)

c)


Plotted SNPs
rs10948172
r2
0.8
0.6
0.4
0.2
p=7.92E-08
p=5.02E-06
−log10(p−value)
Recombination rate (cM/Mb)
SPATS1→
←SUPT3H
CDC5L→
←MIR586
RUNX2→
Position on chr6 (Mb)

ST1. Population-based controls used in the arcOGEN GWAS.

Cohort	Platform	N samples pre QC	N samples post QC
WTCCC2-UKBS	Illumina Human1-2M-DuoCustom	2737	2501
WTCCC2-58BC	Illumina Human1-2M-DuoCustom	2930	2699
T1DGC-58BC	Illumina HumanHap550-2	2596	2530
ALSPAC	Illumina Human670-QuadCustom	772	743
PoBI	Illumina Human1-2M-DuoCustom	2912	2536
All		11947	11009

ST2. λ_{1000} values for the unadjusted analyses and the analyses adjusted for the first 10 principal components (PCs).

Stratum	λ_{1000} unadjusted	λ_{1000} adjusted
All OA	1.0091	1.0082
Male OA	1.0097	1.0091
Female OA	1.0119	1.0101
TJR	1.01	1.0095
Male TJR	1.0089	1.0092
Female TJR	1.012	1.011
Hip OA	1.011	1.0101
Male hip OA	1.0117	1.0121
Female hip OA	1.0129	1.0119
THR	1.0118	1.0111
Male THR	1.0121	1.0126
Female THR	1.0131	1.0116
Knee OA	1.013	1.0104
Male knee OA	1.0142	1.0119
Female knee OA	1.0127	1.0107
TKR	1.0133	1.013
Male TKR	1.0155	1.0149
Female TKR	1.0145	1.0145

ST3. Association p-values before and after adjustment for the first 10 principal components.

Chr	SNP	Position	P unadjusted	P adjusted	P adj/P unadj
3	rs69763[1]	52703844	2·27E-10	5·72E-10	2·52
3	rs111773[1]	52696345	2·12E-10	6·02E-10	2·84
9	rs4836732	118306516	1·19E-05	1·42E-05	1·19
6	rs9350591	76298247	2·49E-06	4·63E-06	1·86
12	rs10492367	27906237	1·20E-06	9·76E-07	0·81
12	rs835487	103584897	3·26E-06	3·00E-06	0·92
3	rs12107036	191082854	3·03E-06	3·98E-06	1·31
16	rs8044769	52396636	5·98E-08	1·27E-07	2·12
6	rs10948172	44885669	5·02E-06	4·47E-06	0·89

[1] Both SNPs represent the same signal, r^2=1.

ST4. Association summary statistics and genotype counts for the SNPs prioritised for replication for the stratum where the lowest p-value was observed.

Chr	SNP	Position	EA[1]	NEA[2]	EAF[3] cases	EAF controls	OR	OR_95L	OR_95U	P	Stratum	Genotype counts[4] cases	Genotype counts controls
1	rs1854169	102046864	C	**T**	0·192	0·2113	0·89	0·84	0·93	6·53E-06	All	296/2251/4855	505/3642/6859
1	rs1417066	217740451	**G**	A	0·4628	0·4364	1·11	1·06	1·16	3·90E-06	TJR	1234/2902/1666	2084/5432/3482
1	rs1629896	223752551	**G**	A	0·09447	0·07824	1·23	1·13	1·34	4·82E-06	Knee**	53/677/3414	65/1592/9347
1	rs987179	242876559	A	**G**	0·2759	0·3078	0·86	0·8	0·92	6·23E-06	TJR Female	265/1325/1772	500/2390/2617
2	rs1024816	37454712	**G**	A	0·1045	0·07534	1·43	1·24	1·66	1·72E-06	TKR Female	9/236/970	39/753/4723
2	rs3791679	55950396	G	**A**	0·1944	0·2379	0·77	0·7	0·86	1·71E-06	Hip Male	46/426/860	330/1954/3210
2	rs10779958	74609286	**C**	A	0·1677	0·1379	1·26	1·14	1·39	2·97E-06	Knee Female	58/600/1477	113/1295/4106
2	rs6754683	108522707	A	**G**	0·3791	0·4265	0·82	0·75	0·9	8·84E-06	Hip Male	183/644/505	981/2723/1789
2	rs4622728	125523313	T	**C**	0·4467	0·4849	0·86	0·8	0·92	6·22E-06	Knee** Female	530/1211/801	1300/2746/1466
2	rs1432237	137524977	G	**A**	0·1672	0·2068	0·77	0·69	0·86	4·44E-06	Hip Male	36/373/922	211/1849/3432
2	rs12618428	151441225	G	**A**	0·1128	0·1341	0·82	0·76	0·89	7·72E-07	Knee**	60/814/3267	192/2566/8243
2	rs6716254	175250720	C	**T**	0·2846	0·3207	0·84	0·78	0·91	8·05E-06	Hip** Female	173/985/1180	539/2459/2517
3	rs6793234	8801396	**G**	A	0·1305	0·1023	1·32	1·17	1·48	6·86E-06	Knee** Male	26/366/1210	63/998/4430
3	rs11177	52696345	**A**	G	0·4105	0·375	1·16	1·11	1·22	2·12E-10	TJR	998/2768/2037	1547/5154/4297
3	rs6976	52703844	**T**	C	0·4103	0·3748	1·16	1·11	1·22	2·27E-10	TJR	998/2763/2039	1546/5157/4301
3	rs10510816	59630570	A	**C**	0·4243	0·4667	0·84	0·78	0·9	2·34E-06	Knee Female	376/1059/699	1188/2769/1555
3	rs1355782	132970356	C	**T**	0·3435	0·375	0·87	0·83	0·92	3·83E-07	Knee**	490/1866/1787	1553/5150/4305
3	rs16851066	142325511	**A**	G	0·07696	0·05761	1·36	1·19	1·56	5·37E-06	Hip** Female	9/342/1988	16/603/4892
3	rs9867979*	166345704	**A**	G	0·113	0·07772	1·51	1·27	1·8	3·06E-06	TKR Female	16/243/958	15/254/1558
3	rs12107036	191082854	A	**G**	0·4269	0·479	0·81	0·74	0·89	3·03E-06	TKR Female	210/619/388	1255/2772/1486
4	rs16837352	5555175	**T**	G	0·1647	0·1434	1·18	1·1	1·26	3·78E-06	Knee**	108/1148/2886	230/2697/8079
4	rs17578878	37577120	T	**C**	0·09631	0·1161	0·81	0·75	0·88	9·87E-07	Knee**	30/738/3375	140/2276/8592
4	rs11725992	48082608	C	**T**	0·06502	0·0774	0·83	0·76	0·9	7·01E-06	All	31/901/6473	69/1565/9367
4	rs6842739*	60172105	A	**G**	0·2697	0·3156	0·8	0·73	0·88	7·19E-06	Knee Female	146/858/1128	178/798/852
4	rs2626053*	96474111	A	**G**	0·1487	0·1986	0·71	0·61	0·81	6·54E-07	TKR Female	31/300/886	73/580/1175
4	rs2636726*	106528673	**A**	G	0·4801	0·4365	1·19	1·1	1·29	8·44E-06	All Female	1068/2160/1246	350/894/582

4	rs12500935	114760230	**A**	G	0·1068	0·09227	1·18	1·1	1·26	4·10E-06	All	73/1437/5899	95/1841/9070
4	rs1566347	186969560	T	**C**	0·3124	0·3443	0·87	0·82	0·92	9·15E-07	Knee	344/1497/1656	1278/5021/4706
5	rs4957048	636442	A	**G**	0·185	0·2261	0·78	0·7	0·86	3·42E-06	Knee Male	52/400/910	260/1963/3269
5	rs1083523*	66314669	**C**	T	0·4896	0·4436	1·2	1·11	1·3	2·75E-06	All Female	1102/2175/1195	349/923/555
5	rs2610424	71292415	**C**	T	0·4661	0·4372	1·12	1·07	1·18	6·62E-06	Knee**	908/2045/1189	2108/5408/3490
5	rs457008	81110411	T	**C**	0·4574	0·4893	0·88	0·83	0·93	3·37E-06	Knee	721/1757/1019	2638/5483/2874
5	rs10036746	91780688	**A**	G	0·1152	0·08752	1·36	1·19	1·56	9·86E-06	Hip Male	22/263/1047	56/849/4585
5	rs11135394*	93212891	C	**T**	0·2138	0·2519	0·81	0·73	0·89	9·46E-06	TJR Female	154/1129/2078	121/679/1028
5	rs12515798*	134333096	**T**	C	0·2136	0·166	1·37	1·2	1·56	2·78E-06	TKR Female	50/420/747	53/501/1274
5	rs10515550	144792886	T	**C**	0·4126	0·4567	0·84	0·77	0·9	9·93E-06	Knee** male	270/781/550	1189/2639/1665
5	rs13167773	148567182	T	**C**	0·1104	0·1384	0·77	0·69	0·86	3·87E-06	Knee Female	22/427/1685	113/1299/4097
5	rs10051783	167755230	**T**	C	0·1649	0·1379	1·23	1·13	1·35	6·94E-06	Knee** Female	64/710/1767	96/1329/4088
6	rs10948172	44885669	**G**	A	0·3265	0·2925	1·17	1·1	1·26	5·02E-06	All Male	337/1239/1354	452/2308/2731
6	rs9350591	76298247	**T**	C	0·1337	0·1136	1·2	1·11	1·3	2·49E-06	Hip**	61/923/2924	143/2215/8647
6	rs569731*	76414313	A	**G**	0·1158	0·1545	0·72	0·63	0·82	1·64E-06	THR Female	18/373/1375	40/484/1301
6	rs10943837	82727239	**T**	C	0·3708	0·3382	1·15	1·09	1·22	2·19E-06	THR	435/1384/1220	1260/4925/4821
6	rs2493984	95440213	**G**	A	0·3472	0·3093	1·19	1·11	1·28	3·25E-06	Hip** Female	292/1041/1007	541/2328/2643
6	rs7755798	109743847	**T**	C	0·1813	0·1636	1·13	1·07	1·2	9·87E-06	All	264/2156/4982	307/2975/7686
6	rs2027532	112741889	**C**	T	0·2581	0·2191	1·24	1·13	1·36	3·72E-06	Knee** male	101/625/876	247/1914/3333
6	rs6931833	114078284	A	**G**	0·2239	0·2522	0·86	0·8	0·92	5·92E-06	THR	166/1028/1843	679/4194/6135
7	rs17627827	16731521	G	**A**	0·04488	0·06843	0·64	0·53	0·77	1·71E-06	Hip** Male	3/135/1433	25/701/4761
7	rs6461679	22976588	T	**C**	0·3501	0·3886	0·85	0·79	0·91	2·67E-06	Knee** Female	304/1171/1066	828/2629/2056
7	rs7785659	32427540	**T**	C	0·1761	0·136	1·36	1·22	1·51	1·37E-08	Knee** male	46/472/1083	98/1296/4092
7	rs7805536	32540095	**C**	T	0·1951	0·1544	1·33	1·2	1·47	4·38E-08	Knee** male	53/519/1030	123/1450/3919
7	rs1859572	76870933	**T**	C	0·2393	0·2132	1·16	1·09	1·23	1·74E-06	Hip**	223/1426/2262	491/3709/6799
7	rs6466265	77998184	**G**	A	0·2288	0·1878	1·28	1·16	1·43	3·72E-06	TKR Female	52/453/712	222/1626/3664
7	rs1488517*	95446689	**C**	T	0·3127	0·2582	1·31	1·17	1·46	3·56E-06	TKR Female	114/533/570	121/702/1005
7	rs2966417	109944782	A	**G**	0·2036	0·2329	0·84	0·79	0·9	6·57E-07	Hip	125/1079/2060	594/3937/6471

8	rs4841020	8638760	G	**A**	0·1516	0·1814	0·81	0·74	0·88	3·04E-06	Knee** Female	64/642/1834	192/1617/3705
8	rs1876836	8719166	T	**C**	0·224	0·2542	0·85	0·79	0·9	6·59E-07	All Female	227/1551/2698	372/2059/3082
8	rs4841067	8784655	G	**A**	0·13	0·1593	0·79	0·71	0·87	5·40E-06	Knee Female	39/477/1619	149/1458/3903
8	rs609792	9857300	**T**	C	0·2465	0·2099	1·23	1·13	1·35	4·61E-06	THR Female	112/648/1009	238/1838/3437
8	rs6997710	10247861	**G**	A	0·1061	0·08732	1·24	1·13	1·36	6·92E-06	All Female	49/852/3574	34/895/4585
8	rs1421259	15607043	**A**	G	0·3792	0·3486	1·14	1·08	1·21	5·74E-06	Hip	487/1503/1276	1317/5032/4646
8	rs2979715*	80724814	**C**	T	0·236	0·1874	1·34	1·2	1·5	4·63E-07	THR Female	85/663/1017	71/542/1212
8	rs2467753*	80759808	**G**	T	0·188	0·1481	1·33	1·19	1·5	1·54E-06	Hip** female	74/732/1535	44/453/1330
8	rs2289496	98357340	C	**A**	0·3571	0·3894	0·87	0·82	0·92	4·78E-06	THR	385/1400/1253	1658/5253/4093
8	rs16870112	104191422	**A**	C	0·09592	0·08131	1·2	1·11	1·3	5·85E-06	TJR	59/995/4748	90/1609/9302
8	rs10956114*	124156008	G	**A**	0·333	0·3846	0·8	0·73	0·88	3·09E-06	Hip Female	207/874/853	246/914/668
8	rs4072286	142805713	**G**	T	0·3905	0·3495	1·19	1·12	1·27	3·92E-08	TJR Female	504/1616/1240	683/2488/2342
9	rs2146423	4647040	G	**A**	0·4101	0·4519	0·84	0·78	0·91	2·88E-06	Knee Female	375/1001/759	1149/2686/1679
9	rs945442	18917768	**C**	A	0·2505	0·2221	1·17	1·1	1·25	1·58E-06	Hip	213/1209/1841	559/3770/6674
9	rs3780296	79327254	**C**	T	0·4344	0·3981	1·16	1·09	1·24	8·97E-06	TKR	431/1018/715	1747/5270/3989
9	rs4072357*	89688030	T	**C**	0·4071	0·4546	0·82	0·76	0·89	2·90E-06	TJR Female	546/1642/1170	379/904/545
9	rs4836732	118306516	**C**	T	0·5081	0·467	1·18	1·1	1·26	2·48E-06	Hip** Female	602/1169/564	1209/2710/1571
9	rs719535*	118516091	**T**	C	0·2653	0·2213	1·27	1·14	1·41	9·02E-06	Hip Female	153/720/1061	91/627/1110
9	rs2900277	131434091	G	**T**	0·2193	0·2438	0·87	0·82	0·93	8·44E-06	Knee**	194/1429/2519	676/4013/6316
10	rs2474714*	33535989	G	**A**	0·4022	0·451	0·82	0·75	0·89	7·56E-06	Hip** Female	365/1153/823	365/918/544
10	rs9299558	56603927	A	**C**	0·436	0·491	0·8	0·73	0·88	9·92E-06	TKR Male	178/468/299	1314/2757/1413
10	rs1250552*	80728033	**G**	A	0·4984	0·4505	1·21	1·12	1·31	3·13E-06	TJR Female	819/1711/830	369/909/550
10	rs787640	95114663	**G**	A	0·3064	0·2654	1·22	1·13	1·33	9·23E-07	Hip Female	168/849/917	391/2145/2979
10	rs11188412	97391986	A	**G**	0·05532	0·07134	0·76	0·68	0·85	3·24E-06	Knee	7/373/3118	54/1462/9487
11	rs4757420	12371653	T	**G**	0·1543	0·1783	0·84	0·78	0·91	6·20E-06	All Female	116/1149/3211	163/1639/3709
11	rs7119797	61922811	T	**C**	0·4559	0·4957	0·85	0·8	0·91	5·06E-06	Hip** Female	464/1204/670	1352/2761/1399
11	rs17159801	82496946	**A**	G	0·1332	0·1131	1·21	1·12	1·3	2·34E-06	Hip**	68/906/2938	145/2198/8656
11	rs2691829	90240224	**T**	C	0·4096	0·3866	1·1	1·06	1·15	9·38E-06	All	1238/3593/2577	1680/5149/4176

11	rs6589848	120229228	T	**C**	0·1668	0·2005	0·8	0·72	0·88	9·36E-06	THR Female	48/494/1227	222/1766/3523
11	rs7941193	125876053	**A**	G	0·215	0·1712	1·33	1·19	1·48	3·26E-07	TKR Female	66/391/759	151/1585/3776
11	rs7122854	132673733	**G**	A	0·205	0·1647	1·31	1·18	1·46	8·08E-07	Hip Male	55/436/841	142/1524/3823
12	rs7305794	24860894	**T**	C	0·2926	0·2642	1·15	1·08	1·23	8·26E-06	All Female	396/1825/2251	379/2153/2977
12	rs10492367	27906237	**T**	G	0·2157	0·1873	1·19	1·11	1·28	7·00E-07	THR	117/1076/1843	366/3392/7249
12	rs6487684	28534480	**T**	C	0·2646	0·2223	1·26	1·14	1·39	7·35E-06	TKR Female	85/474/658	273/1905/3334
12	rs1034762	46675910	**A**	C	0·1701	0·1392	1·27	1·16	1·39	4·36E-07	TJR Male	64/701/1672	106/1317/4071
12	rs11107957*	76956186	**C**	A	0·2882	0·2429	1·26	1·15	1·38	7·19E-07	TJR Female	279/1380/1703	130/628/1070
12	rs1404866	83888610	**T**	G	0·2581	0·23	1·17	1·1	1·24	3·04E-07	Knee**	292/1551/2293	565/3932/6508
12	rs11107219*	92770487	**G**	A	0·08326	0·05935	1·44	1·22	1·69	9·81E-06	TJR Female	18/524/2821	6/205/1617
12	rs835487	103584897	**G**	A	0·3768	0·3446	1·15	1·08	1·22	3·26E-06	THR	420/1450/1169	1330/4924/4751
12	rs11064722	118157566	**T**	C	0·2148	0·194	1·14	1·08	1·2	6·16E-06	TJR	296/1901/3605	424/3421/7155
13	rs4544137*	67072419	T	**C**	0·04925	0·07467	0·64	0·53	0·77	2·44E-06	Knee Female	1/208/1923	6/261/1561
13	rs7994526*	67263831	G	**A**	0·05298	0·0796	0·65	0·54	0·77	1·74E-06	Knee Female	5/216/1912	8/275/1545
13	rs2036717*	75645031	**C**	T	0·1116	0·08096	1·43	1·22	1·67	7·04E-06	Hip Female	20/391/1520	10/276/1542
13	rs9520058	105855421	G	**T**	0·344	0·3709	0·89	0·85	0·93	1·01E-06	TJR	681/2629/2491	1533/5100/4374
14	rs8015303*	34316223	**G**	A	0·08628	0·05689	1·57	1·28	1·91	8·89E-06	TKR Female	6/198/1013	6/196/1626
14	rs1627411*	42241078	T	**C**	0·1529	0·1958	0·74	0·66	0·84	8·83E-07	Hip Female	41/509/1383	77/562/1189
14	rs7155791	49487980	**T**	C	0·1486	0·1229	1·25	1·13	1·37	9·52E-06	TJR Male	57/611/1772	93/1164/4236
14	rs1998094*	51653209	**C**	T	0·1343	0·09907	1·41	1·23	1·62	7·91E-07	Hip** Female	52/525/1764	18/326/1483
14	rs10144429*	77722272	**A**	G	0·3439	0·2899	1·28	1·15	1·43	8·48E-06	TKR Female	119/599/499	149/762/917
15	rs11634255	30874764	**G**	A	0·4742	0·4354	1·17	1·1	1·25	1·34E-06	All Male	663/1455/814	1015/2752/1725
15	rs4646626	56043419	**C**	T	0·485	0·4546	1·13	1·07	1·19	8·86E-06	Knee	810/1770/915	2303/5399/3303
15	rs8032755	91403060	A	**G**	0·3863	0·4231	0·86	0·8	0·92	7·40E-06	TKR	313/1046/805	1951/5408/3644
16	rs2908646	4971845	**A**	G	0·5275	0·4801	1·21	1·11	1·32	9·17E-06	Knee Male	386/666/311	1277/2720/1496
16	rs12596722	9324789	**C**	A	0·3517	0·3205	1·15	1·09	1·22	1·23E-06	Knee	455/1548/1491	1121/4813/5073
16	rs12923310	9695438	T	**G**	0·3274	0·369	0·83	0·78	0·89	7·45E-08	All Male	313/1293/1325	721/2611/2160
16	rs8044769	52396636	T	**C**	0·4592	0·4977	0·86	0·81	0·91	5·98E-08	All Female	969/2171/1334	1368/2753/1393

16	rs9937815	54888333	**G**	A	0·3451	0·3177	1·13	1·07	1·2	8·75E-06	Hip**	473/1752/1684	1119/4753/5131
16	rs7404629	64970230	A	**G**	0·1958	0·2243	0·84	0·78	0·91	7·23E-06	TJR Female	124/1068/2168	302/1869/3342
16	rs16947129*	76709247	**C**	T	0·2006	0·1587	1·33	1·18	1·5	2·39E-06	Hip Female	75/625/1232	49/482/1296
17	rs4078062	16919559	**A**	G	0·1354	0·1111	1·25	1·13	1·39	9·41E-06	Knee** Female	48/592/1901	65/1095/4354
17	rs8080960	67298538	**G**	A	0·4533	0·4185	1·15	1·08	1·23	5·75E-06	TJR Female	712/1624/1026	963/2688/1861
18	rs11665347	10468812	A	**G**	0·2915	0·3133	0·9	0·86	0·94	7·97E-06	All	627/3064/3716	1092/4711/5200
18	rs12454396*	62299667	T	**C**	0·335	0·3769	0·83	0·77	0·9	7·47E-06	All Female	514/1968/1989	268/842/718
18	rs17089382	70369681	**T**	C	0·1267	0·1056	1·23	1·13	1·34	3·28E-06	THR	59/652/2327	135/2054/8813
19	rs12974139	2135005	C	**T**	0·3795	0·4305	0·81	0·74	0·88	1·69E-06	Hip Male	186/639/507	1030/2670/1793
19	rs1610093*	4505774	C	**T**	0·06437	0·09382	0·66	0·56	0·79	2·13E-06	Hip Female	7/235/1692	10/323/1495
19	rs10426443	8017982	G	**A**	0·1464	0·1845	0·76	0·67	0·86	8·37E-06	TKR Female	32/292/892	179/1677/3658
19	rs10426377	53784046	**A**	C	0·2706	0·2405	1·17	1·09	1·26	7·29E-06	TJR Female	232/1355/1774	336/1978/3196
20	rs1360400	22909890	**A**	G	0·4655	0·4254	1·18	1·1	1·26	7·22E-06	Knee Female	458/1068/605	1012/2667/1835
20	rs172981*	40543116	C	**T**	0·06409	0·09929	0·62	0·51	0·76	1·45E-06	TKR Female	5/146/1066	18/327/1483
20	rs17785895	47866466	G	**A**	0·1016	0·1211	0·82	0·75	0·9	9·41E-06	Knee	35/640/2820	162/2340/8499
20	rs4925370	60300986	**G**	A	0·4866	0·456	1·13	1·07	1·19	8·11E-06	Knee	821/1760/915	2303/5428/3271
22	rs3747081	19682120	**A**	G	0·1223	0·1022	1·22	1·12	1·34	6·81E-06	All Female	70/955/3451	57/1013/4444
22	rs7287616	22259852	T	**C**	0·2307	0·259	0·86	0·8	0·92	7·52E-06	THR	169/1064/1805	726/4246/6030
22	rs5762347	26489672	**A**	G	0·3661	0·3193	1·23	1·13	1·35	5·98E-06	THR Male	174/582/514	548/2411/2532

[1] EA Effect allele.
[2] NEA Non effect allele.
The bold allele is the risk allele.
[3] EAF Effect allele frequency.
[4] Genotype counts: 11/12/22, where 1 is the EA and 2 is the NEA.
* Signals prioritised from the OA vs TwinsUK analyses.
** Indicates analyses where a subset of samples with OA at the hip and the knee are also included in the arcOGEN discovery set and in the UK replication set.

ST5. Association summary statistics for the 129 prioritised SNPs in arcOGEN, replication cohorts and meta-analyses across all strata.

All

Marker	Chr	Position	EA1	NEA2	arcOGEN				TJR arcOGEN				deCODE				EGCUT				GARP				RS1				RS2				TwinsUK				UK_replication				TJR_UK_replication				Meta arcOGEN_insilico_denovo_fixed					
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	q_p	i2
rs1854169	1	102046864	C	T	0.89	0.84	0.93	6.53E-06	0.89	0.84	0.94	7.63E-05	1.01	0.93	1.08	0.901	1.23	0.96	1.57	1.02E-01	0.78	0.60	1.02	6.80E-02	0.94	0.85	1.04	0.236	0.93	0.78	1.12	4.56E-01	0.77	0.55	1.08	1.26E-01									0.93	0.89	0.96	8.25E-05	1.93E-02	0.603
rs1417066	1	217740451	G	A	1.10	1.05	1.14	1.72E-05	1.11	1.06	1.16	3.90E-06	1.04	0.98	1.11	0.159					0.93	0.76	1.14	4.94E-01	1.11	1.02	1.20	0.012	1.04	0.90	1.20	6.40E-01	1.19	0.89	1.59	2.47E-01	1.04	0.96	1.13	3.31E-01	1.05	0.97	1.15	2.25E-01	1.07	1.04	1.10	1.16E-06	4.82E-01	0.000
rs1629896	1	223752551	G	A	1.12	1.04	1.21	3.46E-03	1.10	1.01	1.19	2.48E-02	0.95	0.84	1.07	0.398	1.02	0.69	1.51	9.25E-01	1.22	0.92	1.62	1.67E-01	1.01	0.89	1.16	0.84	0.84	0.62	1.13	2.53E-01	0.69	0.42	1.11	1.26E-01									1.05	0.99	1.11	9.16E-02	6.14E-02	0.501
rs987179	1	242876559	A	G	0.93	0.89	0.97	1.38E-03	0.92	0.88	0.97	1.00E-03	1.04	0.97	1.11	0.281	1.07	0.85	1.34	5.78E-01	0.94	0.76	1.17	5.96E-01	1.02	0.93	1.11	0.725	0.91	0.77	1.07	2.60E-01	1.09	0.80	1.49	5.92E-01									0.97	0.94	1.00	6.80E-02	1.08E-01	0.425
rs1024816	2	37454712	G	A	1.14	1.06	1.23	6.82E-04	1.18	1.09	1.27	7.11E-05	1.00	0.87	1.15	0.973	1.01	0.71	1.42	9.64E-01	1.03	0.72	1.48	8.71E-01	1.04	0.90	1.20	0.628	0.89	0.67	1.19	4.44E-01	1.13	0.71	1.81	6.05E-01									1.08	1.02	1.15	6.28E-03	5.22E-01	0.000
rs3791679	2	55950396	G	A	0.91	0.86	0.95	1.02E-04	0.92	0.87	0.97	1.30E-03	1.09	1.00	1.18	0.0422	0.83	0.66	1.04	1.12E-01	1.07	0.85	1.35	5.49E-01	1.02	0.92	1.12	0.748	0.87	0.73	1.04	1.18E-01	0.83	0.59	1.17	2.99E-01									0.96	0.92	0.99	1.57E-02	2.83E-03	0.699
rs10779958	2	74609286	C	A	1.09	1.02	1.15	5.64E-03	1.08	1.02	1.15	1.53E-02	1.03	0.95	1.12	0.509					0.98	0.73	1.31	8.99E-01	0.93	0.83	1.04	0.205	1.11	0.90	1.37	3.31E-01	1.11	0.73	1.67	6.32E-01									1.05	1.00	1.09	3.61E-02	2.72E-01	0.216
rs6754683	2	108522707	A	G	0.96	0.92	1.00	7.72E-02	0.95	0.91	1.00	4.78E-02	0.98	0.92	1.04	0.513	1.11	0.91	1.36	3.05E-01	1.17	0.96	1.43	1.30E-01	0.94	0.87	1.02	0.129	0.83	0.71	0.96	1.21E-02	1.07	0.81	1.41	6.38E-01									0.97	0.94	1.00	2.28E-02	9.78E-02	0.440
rs4622728	2	125523313	T	C	0.92	0.89	0.96	2.43E-04	0.93	0.89	0.97	1.00E-03	0.99	0.93	1.05	0.733	0.98	0.81	1.20	8.60E-01	1.04	0.85	1.27	7.01E-01	1.04	0.96	1.13	0.301	0.89	0.77	1.03	1.10E-01	1.00	0.76	1.33	9.79E-01									0.96	0.93	0.99	5.71E-03	1.42E-01	0.376
rs1432237	2	137524977	G	A	0.96	0.91	1.01	9.03E-02	0.94	0.89	0.99	2.67E-02	1.02	0.94	1.11	0.615	0.95	0.74	1.21	6.57E-01	1.07	0.84	1.36	5.92E-01	1.00	0.91	1.11	0.947	1.02	0.85	1.21	8.57E-01	0.94	0.67	1.31	7.07E-01									0.98	0.94	1.02	3.27E-01	8.34E-01	0.000
rs12618428	2	151441225	G	A	0.86	0.81	0.92	5.25E-06	0.88	0.82	0.94	2.38E-04	1.12	1.02	1.23	0.021					1.20	0.91	1.58	2.06E-01	1.02	0.91	1.15	0.682	0.97	0.78	1.21	8.04E-01	0.88	0.54	1.46	6.33E-01									0.96	0.91	1.00	5.33E-02	1.87E-04	0.795
rs6716254	2	175250720	C	T	0.91	0.87	0.95	5.07E-05	0.92	0.88	0.97	1.06E-03	1.07	1.00	1.14	0.0668	1.06	0.86	1.32	5.90E-01	1.01	0.81	1.26	9.49E-01	0.99	0.91	1.08	0.882	1.08	0.92	1.27	3.50E-01	1.06	0.77	1.45	7.21E-01									0.97	0.94	1.00	6.02E-02	7.35E-03	0.659
rs6793234	3	8801396	G	A	1.05	0.98	1.12	1.76E-01	1.00	0.93	1.08	9.99E-01	1.07	0.97	1.18	0.163	1.21	0.89	1.65	2.25E-01	0.99	0.72	1.37	9.70E-01	0.94	0.82	1.07	0.358	0.84	0.65	1.08	1.80E-01	1.61	1.04	2.49	3.29E-02									1.04	0.99	1.09	1.27E-01	1.23E-01	0.402
rs11177	3	52696345	A	G	1.14	1.10	1.19	6.87E-10	1.16	1.11	1.22	2.12E-10	1.08	1.02	1.16	0.015	1.22	1.00	1.49	5.46E-02	1.04	0.85	1.28	7.03E-01	0.95	0.87	1.03	0.184	1.01	0.87	1.17	8.81E-01	1.22	0.90	1.66	1.95E-01	1.05	0.97	1.14	2.26E-01	1.05	0.97	1.15	2.36E-01	1.09	1.06	1.12	5.13E-09	1.25E-02	0.609
rs6976	3	52703844	T	C	1.14	1.10	1.19	8.34E-10	1.16	1.11	1.22	2.27E-10	1.08	1.01	1.15	0.0256	1.22	0.99	1.49	5.64E-02	1.03	0.84	1.27	7.58E-01	0.95	0.87	1.03	0.182	1.01	0.87	1.18	8.64E-01	1.22	0.90	1.66	1.95E-01	1.06	0.98	1.16	1.46E-01	1.07	0.98	1.16	1.43E-01	1.09	1.06	1.12	6.56E-09	1.49E-02	0.598
rs10510816	3	59630570	A	C	0.96	0.92	1.00	4.58E-02	0.96	0.92	1.01	8.27E-02	0.96	0.90	1.02	0.173					0.83	0.68	1.01	6.66E-02	0.98	0.91	1.07	0.678	1.06	0.92	1.22	4.39E-01	1.09	0.83	1.43	5.45E-01									0.96	0.94	0.99	1.91E-02	4.39E-01	0.000
rs1355782	3	132970356	C	T	0.91	0.87	0.95	3.54E-05	0.92	0.88	0.96	5.47E-04	1.04	0.97	1.11	0.265	1.08	0.89	1.33	4.30E-01	1.25	1.02	1.54	3.07E-02	0.92	0.85	1.00	0.045	0.91	0.78	1.06	2.26E-01	0.99	0.73	1.33	9.30E-01									0.95	0.92	0.98	2.17E-03	2.73E-03	0.701
rs16851066	3	142325511	A	G	1.17	1.07	1.27	3.75E-04	1.17	1.07	1.28	8.57E-04	1.09	0.96	1.23	0.183					1.09	0.74	1.61	6.63E-01	0.97	0.82	1.14	0.669	1.17	0.89	1.53	2.58E-01	1.13	0.64	1.97	6.78E-01									1.12	1.05	1.19	4.76E-04	5.49E-01	0.000
rs12107036	3	191082854	A	G	0.92	0.89	0.96	2.38E-04	0.93	0.89	0.97	9.95E-04	0.99	0.92	1.05	0.637	1.14	0.93	1.39	2.12E-01	0.99	0.81	1.21	8.98E-01	0.96	0.89	1.04	0.36	1.03	0.89	1.19	7.32E-01	1.03	0.78	1.37	8.16E-01	0.97	0.90	1.06	5.12E-01	0.96	0.88	1.04	2.99E-01	0.96	0.93	0.98	2.15E-03	3.66E-01	0.083
rs16837352	4	5555175	T	G	1.12	1.06	1.19	9.33E-05	1.10	1.03	1.17	3.55E-03	0.93	0.89	0.97	2.12E-03					1.17	0.90	1.51	2.45E-01	0.98	0.87	1.09	0.669	0.96	0.79	1.16	6.57E-01	0.72	0.45	1.13	1.51E-01									1.00	0.96	1.03	8.63E-01	2.96E-05	0.824
rs17578878	4	37577120	T	C	0.87	0.81	0.93	2.92E-05	0.88	0.81	0.94	3.58E-04	1.01	0.91	1.11	0.855	1.11	0.76	1.61	5.99E-01	0.79	0.57	1.10	1.66E-01	0.99	0.88	1.12	0.891	1.02	0.81	1.28	8.83E-01	0.74	0.42	1.28	2.80E-01									0.93	0.89	0.97	2.58E-03	9.66E-02	0.442
rs11725992	4	48082608	C	T	0.83	0.76	0.90	7.01E-06	0.83	0.76	0.91	3.75E-05	0.92	0.81	1.04	0.174	0.83	0.55	1.24	3.57E-01					0.90	0.77	1.04	0.159	1.34	1.03	1.73	2.61E-02	1.22	0.76	1.96	4.12E-01									0.88	0.83	0.94	3.09E-05	2.06E-02	0.624
rs12500935	4	114760230	A	G	1.18	1.10	1.26	4.10E-06	1.17	1.08	1.26	4.34E-05	1.07	0.97	1.18	0.156					0.64	0.43	0.94	2.25E-02	1.00	0.87	1.14	0.975	1.02	0.79	1.31	8.83E-01	1.00	0.75	1.34	9.76E-01									1.11	1.05	1.16	9.44E-05	1.78E-02	0.634
rs1566347	4	186969560	T	C	0.90	0.86	0.94	1.22E-06	0.90	0.86	0.94	1.28E-05	1.04	0.97	1.11	0.266	1.20	0.97	1.49	8.92E-02	0.83	0.67	1.04	1.11E-01	0.99	0.91	1.08	0.82	0.99	0.85	1.16	9.27E-01	1.02	0.73	1.42	9.19E-01									0.95	0.92	0.98	2.49E-03	1.82E-03	0.715
rs4957048	5	636442	A	G	0.92	0.87	0.97	1.02E-03	0.92	0.87	0.97	1.70E-03	0.97	0.90	1.05	0.471	0.89	0.68	1.15	3.74E-01	1.00	0.78	1.27	9.93E-01	0.91	0.83	1.00	0.057	0.97	0.81	1.15	6.99E-01	1.13	0.84	1.51	4.19E-01	0.96	0.87	1.06	4.11E-01	0.96	0.86	1.06	3.78E-01	0.94	0.91	0.97	1.73E-04	8.99E-01	0.000
rs2610424	5	71292415	C	T	1.08	1.04	1.13	2.44E-04	1.07	1.02	1.11	6.35E-03	1.07	1.00	1.14	0.0479	0.68	0.55	0.84	2.65E-04	0.94	0.77	1.15	5.64E-01	0.98	0.90	1.06	0.552	0.98	0.84	1.13	7.58E-01	1.15	0.86	1.53	3.51E-01									1.05	1.01	1.08	4.68E-03	5.73E-04	0.748
rs457008	5	81110411	T	C	0.93	0.89	0.97	9.93E-04	0.94	0.90	0.98	5.54E-03	0.99	0.93	1.06	0.85	0.99	0.81	1.21	9.26E-01	0.94	0.77	1.15	5.52E-01	0.97	0.90	1.05	0.507	1.11	0.96	1.28	1.71E-01	1.13	0.70	1.81	6.25E-01									0.96	0.93	0.99	1.28E-02	2.12E-01	0.284
rs10036746	5	91780688	A	G	1.09	1.02	1.18	1.46E-02	1.11	1.02	1.20	1.06E-02	0.95	0.85	1.06	0.37					0.78	0.54	1.12	1.78E-01	1.08	0.95	1.22	0.256	1.05	0.82	1.34	7.03E-01	0.98	0.75	1.28	8.94E-01									1.05	1.00	1.11	7.57E-02	2.01E-01	0.312
rs10515550	5	144792886	T	C	0.96	0.92	1.00	4.29E-02	0.95	0.91	1.00	3.44E-02	1.00	0.93	1.06	0.888					0.93	0.76	1.14	5.05E-01	1.01	0.93	1.09	0.895	1.09	0.95	1.26	2.17E-01	1.41	0.86	2.32	1.72E-01									0.98	0.95	1.01	1.84E-01	4.92E-01	0.000
rs13167773	5	148567182	T	C	0.87	0.81	0.92	6.57E-06	0.87	0.81	0.93	3.19E-05	0.98	0.92	1.04	0.494					0.92	0.67	1.26	5.99E-01	1.05	0.94	1.18	0.378	1.12	0.90	1.39	3.10E-01	0.80	0.53	1.21	2.88E-01									0.95	0.91	0.98	5.72E-03	4.46E-03	0.706
rs10051783	5	167755230	T	C	1.08	1.02	1.15	1.09E-02	1.07	1.00	1.14	4.64E-02	1.03	0.94	1.13	0.489	0.96	0.73	1.26	7.54E-01	0.89	0.67	1.18	4.14E-01	0.92	0.82	1.03	0.137	0.90	0.74	1.10	3.09E-01	0.84	0.62	1.14	2.60E-01									1.03	0.98	1.07	2.36E-01	1.02E-01	0.433
rs10948172	6	44885669	G	A	1.10	1.05	1.15	3.31E-05	1.11	1.05	1.16	5.39E-05	1.08	1.01	1.16	0.0333					1.11	0.89	1.37	3.68E-01	1.06	0.97	1.15	0.213	1.12	0.96	1.31	1.60E-01	1.26	0.81	1.97	3.09E-01	1.06	0.97	1.15	2.27E-01	1.09	0.99	1.19	8.33E-02	1.08	1.05	1.12	6.14E-07	6.83E-01	0.000
rs9350591	6	76298247	T	C	1.10	1.03	1.18	2.75E-03	1.12	1.04	1.20	1.66E-03	1.06	0.96	1.17	0.254	1.06	0.81	1.40	6.63E-01	0.96	0.70	1.32	8.02E-01	1.08	0.95	1.22	0.224	1.02	0.81	1.28	8.73E-01	0.73	0.54	1.00	4.75E-02	1.10	0.97	1.25	1.36E-01	1.11	0.97	1.27	1.29E-01	1.09	1.04	1.13	2.78E-04	9.67E-01	0.000
rs10943837	6	82727239	T	C	1.04	0.99	1.09	9.03E-02	1.05	1.00	1.10	4.63E-02	0.94	0.88	1.01	0.0829	1.00	0.81	1.25	9.74E-01	1.13	0.91	1.39	2.77E-01	1.00	0.92	1.09	0.974	0.99	0.85	1.16	9.36E-01	0.89	0.66	1.20	4.54E-01									1.01	0.97	1.04	7.31E-01	8.92E-02	0.453
rs2493984	6	95440213	G	A	1.10	1.05	1.15	4.31E-05	1.11	1.05	1.16	3.85E-05	1.03	0.96	1.11	0.392	1.17	0.94	1.45	1.64E-01	1.10	0.89	1.36	3.58E-01	1.03	0.94	1.12	0.519	1.10	0.94	1.28	2.55E-01	0.95	0.65	1.40	7.96E-01	0.97	0.89	1.06	5.37E-01	0.97	0.89	1.07	5.81E-01	1.06	1.03	1.09	2.42E-04	2.24E-01	0.257
rs7755798	6	109743847	T	C	1.13	1.07	1.20	9.87E-06	1.13	1.07	1.20	4.56E-05	0.98	0.90	1.07	0.67	1.01	0.76	1.33	9.56E-01	0.62	0.46	0.84	2.10E-03	0.89	0.81	0.99	0.03	0.96	0.80	1.15	6.56E-01	1.09	0.78	1.51	6.13E-01									1.03	0.99	1.07	1.56E-01	8.69E-06	0.820
rs2027532	6	112741889	C	T	1.06	1.00	1.11	3.46E-02	1.06	1.00	1.12	3.89E-02	0.98	0.91	1.06	0.683	0.99	0.80	1.23	9.40E-01	0.90	0.70	1.14	3.90E-01	1.05	0.95	1.15	0.338	1.18	1.00	1.39	5.14E-02	0.93	0.66	1.30	6.72E-01									1.04	1.00	1.08	4.38E-02	3.89E-01	0.050
rs6931833	6	114078284	A	G	0.94	0.90	0.99	2.14E-02	0.93	0.88	0.98	5.69E-03	1.03	0.96	1.11	0.435					1.01	0.80	1.28	9.17E-01	1.01	0.92	1.11	0.812	1.11	0.94	1.31	2.09E-01	0.62	0.30	1.30	2.03E-01									0.98	0.95	1.02	3.30E-01	2.39E-01	0.260
rs17627827	7	16731521	G	A	0.98	0.90	1.07	6.17E-01	0.97	0.88	1.06	4.52E-01									1.29	0.91	1.84	1.54E-01	0.95	0.81	1.12	0.549	0.85	0.64	1.14	2.87E-01	0.89	0.67	1.18	4.10E-01									0.97	0.91	1.04	4.28E-01	3.07E-01	0.169
rs6461679	7	22976588	T	C	0.93	0.89	0.97	1.23E-03	0.94	0.90	0.98	7.52E-03	0.94	0.88	1.01	0.0959	0.91	0.75	1.11	3.65E-01	0.97	0.79	1.19	7.65E-01	0.98	0.90	1.07	0.66	1.06	0.91	1.23	4.52E-01	0.96	0.64	1.44	8.48E-01									0.95	0.92	0.98	5.80E-04	7.14E-01	0.000
rs7785659	7	32427540	T	C	1.09	1.02	1.15	6.36E-03	1.06	0.99	1.13	7.36E-02	1.04	0.94	1.16	0.457	1.10	0.85	1.43	4.74E-01	1.24	0.96	1.61	1.03E-01	1.09	0.97	1.21	0.132	1.03	0.84	1.25	7.86E-01	0.85	0.57	1.26	4.18E-01	1.01	0.90	1.14	8.72E-01	1.03	0.91	1.16	6.88E-01	1.07	1.03	1.11	1.50E-03	8.66E-01	0.000
rs7805536	7	32540095	C	T	1.08	1.03	1.15	4.47E-03	1.07	1.01	1.14	3.07E-02	0.99	0.90	1.09	0.85					1.36	1.07	1.74	1.34E-02	1.08	0.97	1.20	0.15	0.99	0.82	1.20	9.37E-01	0.73	0.53	1.02	6.45E-02	1.04	0.93	1.16	4.70E-01	1.05	0.94	1.18	3.76E-01	1.06	1.02	1.10	2.88E-03	2.12E-01	0.283
rs1859572	7	76870933	T	C	1.12	1.06	1.18	1.08E-05	1.12	1.06	1.18	6.36E-05	1.04	0.96	1.12	0.364	0.99	0.77	1.28	9.54E-01	0.99	0.78	1.27	9.49E-01	1.01	0.91	1.10	0.915	0.96	0.81	1.15	6.62E-01	0.81	0.58	1.13	2.09E-01									1.07	1.03	1.11	6.55E-04	6.26E-02	0.499
rs6466265	7	77998184	G	A	1.10	1.04	1.16	4.78E-04	1.10	1.04	1.17	5.73E-04	1.05	0.97	1.15	0.209					1.19	0.94	1.51	1.36E-01	0.90	0.81	0.99	0.03	1.07	0.89	1.28	4.50E-01	1.13	0.80	1.58	4.93E-01	0.83	0.75	0.93	7.74E-04	0.82	0.74	0.92	6.25E-04	1.03	0.99	1.07	1.46E-01	2.19E-05	0.809
rs2966417	7	109944782	A	G	0.91	0.86	0.95	1.30E-04	0.90	0.85	0.95	9.25E-05	0.99	0.92	1.07	0.874	1.06	0.83	1.36	6.33E-01	1.15	0.91	1.46	2.40E-01	1.06	0.96	1.17	0.236	0.90	0.75	1.07	2.21E-01	1.23	0.84	1.80	2.91E-01									0.96	0.92	0.99	1.76E-02	2.98E-02	0.571
rs4841020	8	8638760	G	A	0.91	0.86	0.96	1.32E-03	0.93	0.88	0.99	2.25E-02	0.93	0.85	1.00	0.0637	1.32	1.00	1.75	5.41E-02	0.87	0.66	1.15	3.37E-01	0.96	0.86	1.07	0.437	1.17	0.97	1.41	1.04E-01	1.01	0.73	1.40	9.57E-01									0.94	0.90	0.98	3.65E-03	2.65E-02	0.580
rs1876836	8	8719166	T	C	0.92	0.87	0.96	5.65E-04	0.91	0.87	0.96	7.27E-04	0.96	0.89	1.03	0.209	1.18	0.93	1.51	1.76E-01	0.87	0.69	1.11	2.64E-01	1.02	0.93	1.12	0.647	1.12	0.94	1.32	1.98E-01	1.25	0.84	1.86	2.81E-01	1.00	0.91	1.11	9.36E-01	1.01	0.92	1.12	8.29E-01	0.96	0.93	0.99	1.58E-02	8.70E-02	0.437
rs4841067	8	8784655	G	A	0.92	0.86	0.97	4.16E-03	0.94	0.88	1.00	4.38E-02	0.99	0.91	1.08	0.827	1.08	0.82	1.43	5.96E-01	1.04	0.78	1.37	7.98E-01	0.98	0.88	1.10	0.738	0.96	0.78	1.19	7.30E-01	0.70	0.49	0.99	4.22E-02									0.95	0.92	1.00	3.20E-02	4.87E-01	0.000
rs609792	8	9857300	T	C	1.05	1.00	1.11	4.17E-02	1.06	1.00	1.12	4.38E-02	0.96	0.89	1.04	0.317					1.07	0.83	1.37	6.11E-01	1.02	0.92	1.12	0.756	0.95	0.79	1.14	5.68E-01	1.42	0.85	2.36	1.82E-01									1.02	0.98	1.06	3.59E-01	1.04E-01	0.452
rs6997710	8	10247861	G	A	1.15	1.07	1.23	1.70E-04	1.14	1.06	1.23	6.94E-04	1.10	0.98	1.23	0.1	0.91	0.67	1.25	5.59E-01	1.00	0.72	1.39	9.96E-01	0.96	0.82	1.12	0.578	1.14	0.87	1.49	3.35E-01	1.21	0.90	1.63	2.11E-01									1.10	1.05	1.16	2.64E-04	3.37E-01	0.121
rs1421259	8	15607043	A	G	1.06	1.01	1.10	1.44E-02	1.07	1.02	1.12	4.00E-03	0.93	0.87	0.99	0.0257					1.06	0.86	1.30	6.07E-01	1.04	0.96	1.13	0.312	0.97	0.84	1.13	6.87E-01	1.20	0.87	1.65	2.58E-01									1.02	0.99	1.05	2.40E-01	2.64E-02	0.606
rs2289496	8	98357340	C	A	0.91	0.87	0.95	1.23E-05	0.90	0.86	0.94	1.35E-05	0.95	0.89	1.02	0.144	1.08	0.88	1.32	4.69E-01	0.87	0.70	1.08	2.06E-01	1.02	0.94	1.11	0.602	1.12	0.96	1.30	1.36E-01	0.89	0.55	1.44	6.27E-01									0.95	0.92	0.98	8.41E-04	1.44E-02	0.622
rs16870112	8	104191422	A	C	1.16	1.07	1.24	1.12E-04	1.20	1.11	1.30	5.85E-06	1.07	0.96	1.19	0.226	1.31	0.86	2.01	2.13E-01	1.10	0.78	1.55	6.15E-01	1.05	0.92	1.21	0.444	0.83	0.64	1.07	1.51E-01	1.14	0.84	1.57	3.99E-01									1.10	1.04	1.16	4.09E-04	2.02E-01	0.296
rs4072286	8	142805713	G	T	1.10	1.05	1.14	3.75E-05	1.11	1.05	1.16	2.74E-05	0.99	0.93	1.06	0.798	1.09	0.87	1.37	4.36E-01	1.03	0.84	1.27	7.50E-01	0.94	0.85	1.03	0.172	0.94	0.81	1.09	4.02E-01	0.89	0.65	1.22	4.63E-01									1.04	1.01	1.08	8.76E-03	3.04E-02	0.569
rs2146423	9	4647040	G	A	0.93	0.89	0.97	1.26E-03	0.95	0.90	0.99	1.73E-02	1.02	0.96	1.08	0.562					1.05	0.86	1.29	6.18E-01	0.96	0.89	1.05	0.377	1.02	0.88	1.18	7.82E-01	1.23	0.89	1.70	2.09E-01									0.96	0.94	0.99	1.83E-02	2.06E-01	0.305
rs945442	9	18917768	C	A	1.07	1.02	1.13	4.82E-03	1.07	1.01	1.13	1.91E-02	0.97	0.90	1.04	0.393	1.01	0.81	1.27	9.12E-01	1.05	0.84	1.33	6.53E-01	1.02	0.93	1.12	0.729	1.03	0.87	1.23	6.96E-01	0.94	0.70	1.25	6.56E-01									1.04	1.00	1.07	4.07E-02	3.58E-01	0.093
rs3780296	9	79327254	C	T	1.05	1.01	1.10	2.31E-02	1.06	1.02	1.11	9.27E-03	0.92	0.86	0.99	0.0153	0.97	0.79	1.18	7.43E-01	0.91	0.74	1.12	3.64E-01	1.04	0.96	1.13	0.329	1.05	0.90	1.22	5.15E-01	0.99	0.75	1.30	9.18E-01									1.01	0.98	1.04	4.32E-01	4.16E-02	0.542
rs4836732	9	118306516	C	T	1.05	1.01	1.10	2.14E-02	1.06	1.01	1.11	1.62E-02	1.09	1.02	1.16	0.0107	1.07	0.87	1.30	5.41E-01	0.90	0.74	1.10	3.19E-01	0.99	0.92	1.08	0.832	0.92	0.80	1.06	2.39E-01	1.18	0.86	1.63	3.01E-01	1.05	0.96	1.14	2.79E-01	1.07	0.99	1.17	1.04E-01	1.04	1.01	1.07	1.56E-02	1.96E-01	0.304
rs2900277	9	131434091	G	T	0.93	0.89	0.98	3.58E-03	0.94	0.90	1.00	3.19E-02	0.93	0.86	1.00	0.041	0.95	0.76	1.18	6.28E-01	1.18	0.94	1.48	1.55E-01	0.91	0.83	1.00	0.047	0.94	0.79	1.12	5.20E-01	1.10	0.83	1.44	5.08E-01	1.02	0.93	1.13	6.31E-01	1.03	0.94	1.14	5.16E-01	0.95	0.91	0.98	1.01E-03	2.09E-01	0.275
rs9299558	10	56603927	A	C	0.94	0.90	0.97	1.62E-03	0.93	0.89	0.97	1.09E-03	1.05	0.98	1.11	0.178					1.12	0.92	1.37	2.47E-01	0.95	0.87	1.02	0.168	1.00	0.87	1.16	9.57E-01	1.08	0.79	1.47	6.31E-01									0.97	0.94	1.00	6.55E-02	4.40E-02	0.561
rs787640	10	95114663	G	A	1.04	0.99	1.09	1.25E-01	1.04	0.99	1.10	1.10E-01	1.02	0.95	1.09	0.637					1.10	0.88	1.36	3.95E-01	0.96	0.87	1.04	0.311	0.92	0.78	1.09	3.47E-01	1.50	0.76	2.95	2.44E-01									1.02	0.98	1.06	2.83E-01	5.66E-01	0.000
rs11188412	10	97391986	A	G	0.84	0.77	0.91	3.52E-05	0.87	0.80	0.96	3.26E-03	1.01	0.88	1.15	0.894	0.86	0.59	1.25	4.26E-01	0.55	0.34	0.89	1.45E-02	0.94	0.80	1.11	0.456	1.13	0.84	1.52	4.04E-01	1.14	0.76	1.69	5.32E-01	0.93	0.79	1.10	3.91E-01	0.96	0.81	1.14	6.29E-01	0.90	0.85	0.96	4.66E-04	4.07E-02	0.522
rs4757420	11	12371653	T	G	0.88	0.83	0.93	1.17E-05	0.89	0.84	0.94	1.35E-04	0.94	0.86	1.03	0.2	1.03	0.81	1.30	8.27E-01	1.04	0.79	1.38	7.67E-01	0.94	0.84	1.05	0.24	1.07	0.88	1.30	5.15E-01	1.10	0.82	1.47	5.42E-01									0.92	0.88	0.96	8.00E-05	2.79E-01	0.197
rs7119797	11	61922811	T	C	0.93	0.89	0.97	8.85E-04	0.92	0.88	0.97	5.03E-04	1.03	0.97	1.09	0.404					0.93	0.76	1.14	5.10E-01	0.99	0.92	1.08	0.872	1.02	0.88	1.18	7.79E-01	0.95	0.58	1.57	8.43E-01									0.97	0.94	1.00	3.65E-02	1.37E-01	0.403
rs17159801	11	82496946	A	G	1.14	1.07	1.21	7.68E-05	1.16	1.08	1.24	3.07E-05	1.05	0.96	1.15	0.27					1.16	0.84	1.60	3.57E-01	0.96	0.84	1.09	0.516	1.00	0.79	1.28	9.83E-01	0.84	0.63	1.12	2.26E-01									1.08	1.03	1.13	8.19E-04	2.42E-01	0.256
rs2691829	11	90240224	T	C	1.10	1.06	1.15	9.38E-06	1.10	1.06	1.16	2.23E-05	1.03	0.96	1.10	0.414					0.89	0.72	1.10	2.82E-01	0.96	0.88	1.04	0.283	0.79	0.68	0.92	2.00E-03	1.07	0.75	1.52	7.27E-01									1.04	1.01	1.07	2.16E-02	3.56E-05	0.822
rs6589848	11	120229228	T	C	0.95	0.90	1.00	4.53E-02	0.93	0.88	0.98	1.23E-02	0.95	0.88	1.03	0.228					1.04	0.81	1.34	7.48E-01	1.03	0.93	1.14	0.53	1.10	0.92	1.32	2.89E-01	0.92	0.64	1.31	6.32E-01									0.97	0.93	1.01	1.26E-01	4.42E-01	0.000
rs7941193	11	125876053	A	G	1.05	0.99	1.10	9.65E-02	1.04	0.99	1.11	1.45E-01	1.02	0.94	1.10	0.653	1.17	0.90	1.51	2.40E-01	1.28	1.00	1.63	5.30E-02	1.03	0.93	1.14	0.588	0.99	0.81	1.19	8.75E-01	1.10	0.78	1.57	5.84E-01	0.88	0.79	0.98	1.67E-02	0.86	0.77	0.96	9.25E-03	1.02	0.98	1.06	2.83E-01	6.54E-02	0.473
rs7122854	11	132673733	G	A	1.09	1.03	1.15	2.28E-03	1.09	1.03	1.16	3.35E-03	0.94	0.86	1.02	0.154					1.15	0.90	1.47	2.66E-01	1.07	0.97	1.18	0.183	0.89	0.73	1.07	2.18E-01	0.85	0.62	1.17	3.19E-01									1.05	1.00	1.09	2.89E-02	4.13E-02	0.567
rs7305794	12	24860894	T	C	1.09	1.04	1.14	5.60E-04	1.08	1.03	1.13	3.60E-03	0.95	0.88	1.02	0.169					1.13	0.90	1.40	2.97E-01	1.03	0.94	1.12	0.555	1.00	0.85	1.18	9.94E-01	1.33	0.90	1.97	1.50E-01									1.04	1.01	1.08	2.39E-02	4.72E-02	0.554
rs10492367	12	27906237	T	G	1.12	1.06	1.18	1.68E-05	1.13	1.07	1.19	2.92E-05	0.99	0.91	1.07	0.728	1.14	0.89	1.46	2.99E-01	1.05	0.82	1.36	6.86E-01	1.01	0.92	1.11	0.838	0.95	0.78	1.15	5.94E-01	0.76	0.53	1.08	1.22E-01	1.05	0.94	1.16	3.84E-01	1.07	0.96	1.19	2.47E-01	1.06	1.03	1.10	9.02E-04	1.16E-01	0.395
rs6487684	12	28534480	T	C	1.07	1.01	1.12	1.28E-02	1.08	1.03	1.14	3.61E-03	1.05	0.98	1.14	0.174	1.10	0.89	1.37	3.77E-01	1.12	0.89	1.42	3.35E-01	0.99	0.90	1.09	0.802	1.01	0.85	1.20	9.05E-01	1.07	0.71	1.62	7.44E-01									1.05	1.01	1.09	1.18E-02	4.52E-01	0.000
rs1034762	12	46675910	A	C	1.08	1.02	1.14	1.09E-02	1.10	1.03	1.17	2.55E-03	1.04	0.94	1.14	0.461	0.90	0.70	1.16	4.18E-01	1.07	0.81	1.42	6.16E-01	1.10	0.99	1.23	0.079	1.19	0.98	1.44	8.32E-02	1.03	0.73	1.45	8.69E-01									1.07	1.03	1.12	1.08E-03	7.35E-01	0.000
rs1404866	12	83888610	T	G	1.09	1.04	1.15	5.12E-04	1.10	1.04	1.16	5.54E-04	0.98	0.90	1.07	0.704					0.70	0.53	0.91	6.71E-03	1.00	0.91	1.10	0.989	1.14	0.96	1.35	1.25E-01	1.13	0.85	1.49	4.12E-01									1.05	1.01	1.09	1.52E-02	7.31E-03	0.684
rs835487	12	103584897	G	A	1.07	1.02	1.12	3.33E-03	1.09	1.04	1.14	6.91E-04	1.10	1.03	1.17	4.46E-03	0.99	0.80	1.23	9.54E-01	1.23	1.00	1.52	4.61E-02	0.98	0.90	1.07	0.655	0.83	0.71	0.97	2.09E-02	1.16	0.80	1.69	4.28E-01	1.05	0.96	1.14	2.85E-01	1.04	0.95	1.14	3.74E-01	1.05	1.02	1.08	6.22E-04	2.14E-02	0.574
rs11064722	12	118157566	T	C	1.11	1.06	1.17	5.43E-05	1.14	1.08	1.20	6.16E-06	1.04	0.97	1.11	0.297	0.92	0.70	1.20	5.20E-01	0.76	0.57	1.00	4.76E-02	1.01	0.91	1.11	0.855	1.05	0.87	1.25	6.26E-01	1.14	0.86	1.52	3.69E-01									1.06	1.03	1.10	9.94E-04	7.03E-02	0.485
rs9520058	13	105855421	G	T	0.92	0.88	0.96	1.88E-04	0.89	0.85	0.93	1.01E-06	1.01	0.95	1.08	0.703					1.00	0.81	1.24	9.86E-01	1.00	0.92	1.08	0.921	1.03	0.88	1.19	7.46E-01	1.28	0.84	1.96	2.51E-01									0.96	0.93	0.99	1.74E-02	9.54E-02	0.466
rs7155791	14	49487980	T	C	1.08	1.01	1.14	2.17E-02	1.11	1.04	1.19	1.65E-03	0.96	0.88	1.06	0.43	1.10	0.82	1.47	5.35E-01	0.74	0.52	1.05	9.29E-02	1.09	0.97	1.23	0.147	0.94	0.75	1.17	5.74E-01	1.02	0.77	1.37	8.75E-01									1.04	0.99	1.09	8.34E-02	1.28E-01	0.395
rs11634255	15	30874764	G	A	1.07	1.03	1.12	1.61E-03	1.07	1.02	1.12	2.98E-03	0.97	0.92	1.04	0.397					1.00	0.82	1.22	9.86E-01	0.99	0.91	1.07	0.805	1.00	0.87	1.16	9.80E-01	1.00	0.75	1.34	9.79E-01									1.03	1.00	1.06	7.54E-02	1.76E-01	0.347
rs4646626	15	56043419	C	T	1.06	1.02	1.11	5.11E-03	1.06	1.01	1.10	2.04E-02	1.00	0.93	1.06	0.918	1.04	0.85	1.27	7.13E-01	1.00	0.82	1.23	9.70E-01	1.02	0.94	1.10	0.707	0.91	0.79	1.06	2.31E-01	0.90	0.64	1.26	5.35E-01									1.03	1.00	1.06	4.72E-02	4.69E-01	0.000
rs8032755	15	91403060	A	G	0.93	0.89	0.97	6.04E-04	0.91	0.87	0.95	3.79E-05	0.94	0.89	0.99	0.0123					1.00	0.81	1.22	9.70E-01	1.02	0.94	1.11	0.656	0.92	0.79	1.07	2.64E-01	1.35	1.01	1.79	3.97E-02	0.95	0.87	1.03	2.00E-01	0.92	0.85	1.00	6.28E-02	0.94	0.92	0.97	3.51E-05	5.90E-01	0.000
rs2908646	16	4971845	A	G	1.06	1.01	1.10	1.09E-02	1.05	1.00	1.10	3.12E-02	1.01	0.95	1.08	0.753					0.91	0.74	1.11	3.62E-01	1.03	0.95	1.11	0.485	0.91	0.79	1.06	2.19E-01	1.09	0.81	1.46	5.84E-01									1.03	1.00	1.07	3.27E-02	1.00E-01	0.458
rs12596722	16	9324789	C	A	1.10	1.05	1.15	4.75E-05	1.07	1.02	1.13	3.39E-03	0.99	0.93	1.06	0.736					0.66	0.53	0.83	2.12E-04	1.04	0.96	1.13	0.347	0.97	0.83	1.14	7.33E-01	1.33	0.98	1.79	6.41E-02									1.05	1.01	1.08	6.80E-03	2.25E-04	0.791
rs12923310	16	9695438	T	G	0.90	0.86	0.94	2.26E-06	0.90	0.86	0.95	2.68E-05	1.00	0.94	1.07	0.94					1.28	1.04	1.57	1.76E-02	0.98	0.90	1.06	0.601	0.98	0.84	1.14	7.51E-01	1.21	0.91	1.62	1.87E-01									0.95	0.92	0.98	1.94E-03	5.37E-04	0.772
rs8044769	16	52396636	T	C	0.90	0.87	0.94	1.30E-06	0.90	0.86	0.94	8.92E-06	0.94	0.89	1.01	0.0734	0.87	0.71	1.06	1.58E-01	0.89	0.73	1.09	2.81E-01	1.00	0.92	1.08	0.946	0.96	0.83	1.10	5.36E-01	1.24	0.92	1.67	1.56E-01	0.98	0.90	1.06	5.97E-01	0.97	0.89	1.06	4.80E-01	0.93	0.91	0.96	3.56E-06	1.56E-01	0.341
rs9937815	16	54888333	G	A	1.07	1.02	1.12	3.59E-03	1.09	1.04	1.14	5.97E-04	1.01	0.95	1.08	0.688					1.18	0.96	1.46	1.15E-01	0.97	0.89	1.05	0.461	1.03	0.88	1.19	7.48E-01	1.14	0.81	1.60	4.55E-01									1.04	1.01	1.08	1.05E-02	1.99E-01	0.315
rs7404629	16	64970230	A	G	0.91	0.86	0.96	2.30E-04	0.89	0.85	0.94	6.93E-05	1.03	0.95	1.12	0.477	1.32	1.01	1.71	3.84E-02	0.95	0.74	1.21	6.79E-01	1.13	1.02	1.24	0.015	1.03	0.86	1.23	7.44E-01	1.04	0.70	1.56	8.40E-01									0.98	0.94	1.02	2.49E-01	7.02E-04	0.742
rs4078062	17	16919559	A	G	1.11	1.04	1.19	1.25E-03	1.09	1.02	1.17	1.36E-02	1.00	0.89	1.11	0.924	0.95	0.69	1.29	7.27E-01	0.75	0.52	1.08	1.27E-01	0.99	0.87	1.12	0.882	0.89	0.71	1.13	3.55E-01	0.98	0.74	1.30	8.81E-01									1.05	1.00	1.10	5.94E-02	1.20E-01	0.406
rs8080960	17	67298538	G	A	1.07	1.03	1.12	1.48E-03	1.10	1.05	1.15	8.94E-05	1.00	0.94	1.07	0.974	1.08	0.89	1.32	4.46E-01	1.32	1.08	1.61	7.91E-03	1.02	0.94	1.11	0.58	1.03	0.89	1.19	7.11E-01	1.18	0.87	1.62	2.92E-01									1.05	1.02	1.08	2.38E-03	1.89E-01	0.313
rs11665347	18	10468812	A	G	0.90	0.86	0.94	7.97E-06	0.91	0.87	0.96	1.45E-04	0.92	0.86	0.99	0.0253					1.26	1.02	1.57	3.60E-02	1.04	0.95	1.13	0.409	1.02	0.87	1.19	8.41E-01	0.59	0.37	0.93	2.48E-02									0.94	0.91	0.97	3.68E-04	2.46E-03	0.729
rs17089382	18	70369681	T	C	1.13	1.06	1.21	1.90E-04	1.16	1.08	1.24	5.38E-05	0.95	0.87	1.04	0.264					0.83	0.59	1.16	2.66E-01	0.93	0.82	1.05	0.265	0.90	0.71	1.13	3.57E-01	1.04	0.78	1.40	7.72E-01									1.02	0.98	1.07	3.17E-01	4.40E-04	0.777
rs12974139	19	2135005	C	T	0.93	0.89	0.97	3.22E-04	0.93	0.89	0.97	1.14E-03	0.95	0.89	1.02	0.14					1.07	0.87	1.31	5.13E-01	0.92	0.85	1.00	0.044	1.13	0.98	1.31	9.52E-02	0.88	0.62	1.25	4.67E-01	0.97	0.90	1.06	5.39E-01	0.97	0.89	1.06	4.92E-01	0.95	0.92	0.98	2.72E-04	1.35E-01	0.385
rs10426443	19	8017982	G	A	0.98	0.93	1.03	4.45E-01	0.96	0.91	1.02	1.89E-01	0.99	0.92	1.08	0.854	1.01	0.79	1.30	9.33E-01	1.26	0.98	1.62	7.53E-02	1.02	0.92	1.13	0.766	0.97	0.80	1.18	7.58E-01	0.99	0.67	1.45	9.44E-01									0.99	0.96	1.03	7.23E-01	6.02E-01	0.000
rs10426377	19	53784046	A	C	1.08	1.03	1.14	1.08E-03	1.09	1.04	1.15	1.09E-03	1.00	0.97	1.04	0.855					0.90	0.71	1.14	3.74E-01	1.05	0.95	1.16	0.334	1.11	0.93	1.31	2.43E-01	1.16	0.87	1.55	3.08E-01									1.04	1.01	1.07	1.57E-02	1.68E-01	0.358
rs1360400	20	22909890	A	G	1.03	0.99	1.08	1.34E-01	1.02	0.97	1.07	4.22E-01	0.96	0.90	1.02	0.165	1.03	0.84	1.26	7.87E-01	1.15	0.94	1.41	1.59E-01	1.04	0.96	1.13	0.339	1.01	0.87	1.18	8.63E-01	0.96	0.61	1.51	8.63E-01									1.02	0.99	1.05	2.36E-01	3.43E-01	0.113
rs17785895	20	47866466	G	A	0.87	0.82	0.93	6.41E-05	0.87	0.81	0.93	1.12E-04	0.90	0.82	1.00	0.0386	1.07	0.74	1.55	7.30E-01	0.99	0.73	1.35	9.53E-01	0.96	0.85	1.10	0.592	1.15	0.91	1.44	2.43E-01	0.85	0.64	1.13	2.62E-01									0.91	0.87	0.95	1.03E-04	3.11E-01	0.155
rs4925370	20	60300986	G	A	1.06	1.02	1.10	7.59E-03	1.05	1.00	1.09	5.48E-02	1.08	1.01	1.15	0.0207					1.11	0.90	1.35	3.36E-01	1.05	0.97	1.13	0.271	1.01	0.87	1.17	9.05E-01	1.07	0.68	1.67	7.68E-01	1.04	0.96	1.13	3.71E-01	1.03	0.95	1.13	4.63E-01	1.06	1.03	1.09	2.64E-04	7.53E-01	0.000
rs3747081	22	19682120	A	G	1.10	1.04	1.18	2.79E-03	1.09	1.01	1.16	2.16E-02	1.02	0.92	1.12	0.753	1.00	0.76	1.31	9.86E-01	0.82	0.59	1.15	2.39E-01	1.07	0.95	1.21	0.277	0.94	0.74	1.18	5.71E-01	1.12	0.81	1.56	4.89E-01									1.06	1.01	1.11	1.22E-02	4.40E-01	0.000
rs7287616	22	22259852	T	C	0.90	0.86	0.95	4.81E-05	0.89	0.84	0.94	7.66E-06	1.03	0.96	1.10	0.446	0.97	0.76	1.24	8.25E-01	0.95	0.75	1.20	6.53E-01	0.97	0.89	1.07	0.573	0.92	0.78	1.09	3.45E-01	0.83	0.62	1.12	2.23E-01									0.95	0.92	0.98	2.92E-03	1.14E-01	0.415
rs5762347	22	26489672	A	G	1.07	1.03	1.12	1.72E-03	1.08	1.03	1.14	1.21E-03	1.05	0.98	1.13	0.164					1.32	1.07	1.62	9.52E-03	1.01	0.92	1.11	0.772	1.00	0.85	1.16	9.64E-01					1.09	1.00	1.19	5.23E-02	1.08	0.99	1.18	1.03E-01	1.06	1.03	1.10	1.23E-04	1.67E-01	0.342

Meta arcOGEN_insilico_denovo_random						Meta insilico_denovo_fixed						Meta insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.94	0.87	1.01	1.04E-01	1.93E-02	0.603	0.97	0.92	1.02	2.10E-01	8.47E-02	0.461	0.94	0.86	1.03	2.11E-01	8.47E-02	0.461
1.07	1.04	1.10	1.16E-06	4.82E-01	0.000	1.06	1.02	1.10	5.38E-03	6.24E-01	0.000	1.06	1.02	1.10	5.38E-03	6.24E-01	0.000
1.01	0.92	1.12	7.81E-01	6.14E-02	0.501	0.97	0.90	1.04	4.03E-01	2.45E-01	0.241	0.96	0.87	1.06	4.39E-01	2.45E-01	0.241
0.98	0.93	1.04	5.61E-01	1.08E-01	0.425	1.02	0.97	1.07	4.14E-01	7.95E-01	0.000	1.02	0.97	1.07	4.14E-01	7.95E-01	0.000
1.08	1.02	1.15	6.28E-03	5.22E-01	0.000	1.01	0.93	1.11	7.35E-01	9.71E-01	0.000	1.01	0.93	1.11	7.35E-01	9.71E-01	0.000
0.96	0.88	1.05	3.71E-01	2.83E-03	0.699	1.01	0.96	1.07	6.12E-01	7.33E-02	0.480	0.97	0.89	1.07	5.53E-01	7.33E-02	0.480
1.04	0.98	1.10	1.92E-01	2.72E-01	0.216	1.01	0.95	1.07	8.32E-01	6.41E-01	0.000	1.01	0.95	1.07	8.32E-01	6.41E-01	0.000
0.97	0.92	1.02	2.42E-01	9.78E-02	0.440	0.97	0.93	1.01	1.75E-01	8.36E-02	0.462	0.98	0.91	1.06	6.48E-01	8.36E-02	0.462
0.97	0.92	1.02	2.17E-01	1.42E-01	0.376	1.00	0.95	1.04	8.95E-01	7.09E-01	0.000	1.00	0.95	1.04	8.95E-01	7.09E-01	0.000
0.98	0.94	1.02	3.27E-01	8.34E-01	0.000	1.01	0.95	1.06	7.79E-01	9.87E-01	0.000	1.01	0.95	1.06	7.79E-01	9.87E-01	0.000
1.00	0.88	1.14	9.47E-01	1.87E-04	0.795	1.07	1.00	1.14	5.74E-02	5.56E-01	0.000	1.07	1.00	1.14	5.74E-02	5.56E-01	0.000
1.01	0.93	1.08	8.74E-01	7.35E-03	0.659	1.04	0.99	1.09	1.07E-01	9.03E-01	0.000	1.04	0.99	1.09	1.07E-01	9.03E-01	0.000
1.03	0.95	1.12	4.18E-01	1.23E-01	0.402	1.04	0.97	1.12	2.61E-01	3.16E-02	0.566	1.07	0.94	1.22	3.17E-01	3.16E-02	0.566
1.07	1.01	1.13	2.11E-02	1.25E-02	0.609	1.05	1.01	1.09	1.65E-02	1.79E-01	0.312	1.05	1.00	1.11	6.67E-02	1.79E-01	0.312
1.07	1.01	1.13	1.95E-02	1.49E-02	0.598	1.05	1.01	1.09	1.75E-02	1.96E-01	0.291	1.05	1.00	1.11	6.24E-02	1.96E-01	0.291
0.96	0.94	0.99	1.91E-02	4.39E-01	0.000	0.97	0.93	1.02	2.36E-01	3.81E-01	0.056	0.97	0.93	1.02	2.88E-01	3.81E-01	0.056
0.98	0.91	1.06	6.74E-01	2.73E-03	0.701	1.00	0.95	1.04	8.88E-01	5.53E-02	0.513	1.01	0.93	1.09	8.90E-01	5.53E-02	0.513
1.12	1.05	1.19	4.76E-04	5.49E-01	0.000	1.06	0.97	1.16	1.69E-01	8.71E-01	0.000	1.06	0.97	1.16	1.69E-01	8.71E-01	0.000
0.96	0.93	0.99	1.19E-02	3.66E-01	0.083	0.99	0.95	1.02	4.54E-01	8.85E-01	0.000	0.99	0.95	1.02	4.54E-01	8.85E-01	0.000
1.00	0.90	1.12	9.96E-01	2.96E-05	0.824	0.94	0.90	0.98	2.22E-03	2.91E-01	0.189	0.95	0.89	1.01	1.02E-01	2.91E-01	0.189
0.95	0.88	1.03	2.43E-01	9.66E-02	0.442	1.00	0.93	1.07	9.99E-01	8.64E-01	0.000	1.00	0.93	1.07	9.99E-01	8.64E-01	0.000
0.92	0.81	1.04	1.76E-01	2.06E-02	0.624	0.94	0.86	1.02	1.40E-01	8.90E-02	0.476	0.94	0.82	1.09	4.27E-01	8.90E-02	0.476
1.05	0.94	1.17	3.69E-01	1.78E-02	0.634	1.04	0.96	1.11	3.42E-01	1.81E-01	0.340	1.02	0.91	1.14	7.49E-01	1.81E-01	0.340
0.98	0.91	1.06	6.31E-01	1.82E-03	0.715	1.02	0.97	1.06	5.01E-01	3.95E-01	0.041	1.01	0.97	1.07	5.50E-01	3.95E-01	0.041
0.94	0.91	0.97	1.73E-04	8.99E-01	0.000	0.95	0.91	1.00	4.02E-02	9.61E-01	0.000	0.95	0.91	1.00	4.02E-02	9.61E-01	0.000
0.99	0.91	1.07	8.10E-01	5.73E-04	0.748	1.01	0.96	1.05	7.10E-01	4.04E-03	0.685	0.97	0.88	1.07	5.86E-01	4.04E-03	0.685
0.97	0.93	1.02	2.40E-01	2.12E-01	0.284	1.00	0.96	1.04	9.70E-01	5.96E-01	0.000	1.00	0.96	1.04	9.70E-01	5.96E-01	0.000
1.03	0.96	1.12	3.74E-01	2.01E-01	0.312	1.00	0.93	1.08	9.46E-01	4.57E-01	0.000	1.00	0.93	1.08	9.46E-01	4.57E-01	0.000
0.98	0.95	1.01	1.84E-01	4.92E-01	0.000	1.00	0.96	1.05	8.33E-01	8.43E-01	0.000	1.00	0.96	1.05	8.33E-01	8.43E-01	0.000
0.98	0.89	1.08	7.49E-01	4.46E-03	0.706	1.01	0.96	1.06	7.73E-01	2.92E-01	0.187	1.02	0.95	1.10	5.12E-01	2.92E-01	0.187
0.99	0.92	1.06	7.86E-01	1.02E-01	0.433	0.96	0.91	1.03	2.49E-01	5.16E-01	0.000	0.96	0.91	1.03	2.49E-01	5.16E-01	0.000
1.08	1.05	1.12	6.14E-07	6.83E-01	0.000	1.06	1.02	1.11	5.87E-03	4.98E-01	0.000	1.06	1.02	1.11	5.87E-03	4.98E-01	0.000
1.09	1.04	1.13	2.78E-04	9.67E-01	0.000	1.07	1.01	1.14	2.07E-02	9.64E-01	0.000	1.07	1.01	1.14	2.07E-02	9.64E-01	0.000
0.99	0.94	1.05	8.44E-01	8.92E-02	0.453	0.96	0.92	1.01	1.17E-01	1.38E-01	0.381	0.96	0.90	1.03	2.93E-01	1.38E-01	0.381
1.05	1.01	1.10	1.99E-02	2.24E-01	0.257	1.02	0.98	1.07	2.96E-01	5.90E-01	0.000	1.02	0.98	1.07	2.96E-01	5.90E-01	0.000
0.95	0.84	1.07	3.84E-01	8.69E-06	0.820	0.93	0.88	0.98	1.04E-02	1.38E-01	0.381	0.92	0.84	1.00	5.75E-02	1.38E-01	0.381
1.04	1.00	1.08	6.78E-02	3.89E-01	0.050	1.02	0.97	1.07	4.45E-01	4.73E-01	0.000	1.02	0.97	1.07	4.45E-01	4.73E-01	0.000
0.99	0.95	1.04	8.06E-01	2.39E-01	0.260	1.03	0.97	1.08	3.38E-01	8.92E-01	0.000	1.03	0.97	1.08	3.38E-01	8.92E-01	0.000
0.97	0.88	1.06	5.17E-01	3.07E-01	0.169	0.94	0.83	1.07	3.75E-01	1.98E-01	0.336	0.93	0.77	1.13	4.78E-01	1.98E-01	0.336
0.95	0.92	0.98	5.80E-04	7.14E-01	0.000	0.96	0.92	1.01	9.09E-02	8.14E-01	0.000	0.96	0.92	1.01	9.09E-02	8.14E-01	0.000
1.07	1.03	1.11	1.50E-03	8.66E-01	0.000	1.05	0.99	1.11	8.25E-02	8.91E-01	0.000	1.05	0.99	1.11	8.25E-02	8.91E-01	0.000
1.06	1.00	1.12	4.23E-02	2.12E-01	0.283	1.04	0.98	1.09	2.03E-01	2.16E-01	0.278	1.04	0.97	1.11	3.01E-01	2.16E-01	0.278
1.03	0.96	1.10	4.32E-01	6.26E-02	0.499	1.00	0.95	1.05	9.71E-01	2.46E-01	0.239	0.98	0.91	1.06	6.26E-01	2.46E-01	0.239
0.99	0.90	1.10	8.69E-01	2.19E-05	0.809	0.96	0.91	1.01	1.05E-01	2.83E-03	0.699	0.95	0.86	1.06	3.96E-01	2.83E-03	0.699
0.99	0.92	1.07	7.99E-01	2.98E-02	0.571	1.02	0.97	1.08	4.64E-01	5.57E-01	0.000	1.02	0.97	1.08	4.64E-01	5.57E-01	0.000
0.98	0.91	1.07	6.93E-01	2.65E-02	0.580	0.98	0.93	1.04	4.89E-01	4.18E-02	0.541	1.03	0.93	1.15	5.31E-01	4.18E-02	0.541
0.98	0.93	1.04	4.99E-01	8.70E-02	0.437	1.00	0.95	1.04	9.06E-01	4.93E-01	0.000	1.00	0.95	1.04	9.06E-01	4.93E-01	0.000
0.95	0.92	1.00	3.20E-02	4.87E-01	0.000	1.00	0.94	1.06	9.75E-01	8.11E-01	0.000	1.00	0.94	1.06	9.75E-01	8.11E-01	0.000
1.00	0.94	1.06	9.77E-01	1.04E-01	0.452	0.97	0.92	1.02	2.25E-01	1.33E-01	0.409	0.95	0.87	1.04	2.65E-01	1.33E-01	0.409
1.09	1.03	1.16	6.00E-03	3.37E-01	0.121	1.06	0.98	1.15	1.46E-01	4.60E-01	0.000	1.06	0.98	1.15	1.46E-01	4.60E-01	0.000
1.01	0.95	1.08	6.68E-01	2.64E-02	0.606	0.98	0.94	1.03	4.99E-01	1.03E-01	0.455	1.01	0.94	1.09	8.16E-01	1.03E-01	0.455
0.98	0.92	1.05	6.41E-01	1.44E-02	0.622	1.00	0.95	1.05	9.58E-01	1.60E-01	0.351	1.02	0.95	1.09	6.35E-01	1.60E-01	0.351
1.08	1.00	1.16	5.41E-02	2.02E-01	0.296	1.04	0.96	1.12	3.13E-01	5.02E-01	0.000	1.04	0.96	1.12	3.13E-01	5.02E-01	0.000
1.02	0.96	1.09	5.75E-01	3.04E-02	0.569	0.99	0.94	1.03	6.05E-01	6.67E-01	0.000	0.99	0.94	1.03	6.05E-01	6.67E-01	0.000
0.97	0.93	1.01	1.94E-01	2.06E-01	0.305	1.00	0.96	1.04	8.56E-01	7.28E-01	0.000	1.00	0.96	1.04	8.56E-01	7.28E-01	0.000
1.03	0.99	1.08	9.80E-02	3.58E-01	0.093	1.01	0.96	1.06	8.06E-01	6.27E-01	0.000	1.01	0.96	1.06	8.06E-01	6.27E-01	0.000
1.00	0.94	1.06	9.20E-01	4.16E-02	0.542	0.97	0.93	1.01	1.76E-01	3.35E-01	0.124	0.97	0.92	1.02	3.00E-01	3.35E-01	0.124
1.03	0.98	1.07	2.30E-01	1.96E-01	0.304	1.02	0.98	1.07	2.81E-01	2.31E-01	0.259	1.01	0.95	1.07	7.25E-01	2.31E-01	0.259
0.95	0.91	1.00	4.15E-02	2.09E-01	0.275	0.96	0.92	1.01	1.02E-01	1.66E-01	0.328	0.98	0.92	1.04	4.64E-01	1.66E-01	0.328
0.99	0.94	1.05	8.19E-01	4.40E-02	0.561	1.02	0.97	1.07	3.87E-01	4.75E-01	0.000	1.02	0.97	1.07	3.87E-01	4.75E-01	0.000
1.02	0.98	1.06	2.83E-01	5.66E-01	0.000	1.00	0.95	1.05	9.78E-01	7.14E-01	0.000	1.00	0.95	1.05	9.78E-01	7.14E-01	0.000
0.92	0.83	1.03	1.37E-01	4.07E-02	0.522	0.97	0.89	1.05	4.37E-01	1.57E-01	0.340	0.97	0.86	1.08	5.61E-01	1.57E-01	0.340
0.93	0.89	0.99	1.46E-02	2.79E-01	0.197	0.97	0.91	1.03	3.43E-01	7.70E-01	0.000	0.97	0.91	1.03	3.43E-01	7.70E-01	0.000
0.98	0.94	1.03	4.27E-01	1.37E-01	0.403	1.01	0.97	1.06	5.88E-01	8.84E-01	0.000	1.01	0.97	1.06	5.88E-01	8.84E-01	0.000
1.07	1.00	1.14	4.56E-02	2.42E-01	0.256	1.02	0.96	1.09	4.85E-01	8.47E-01	0.000	1.02	0.96	1.09	4.85E-01	8.47E-01	0.000
0.96	0.87	1.05	3.76E-01	3.56E-05	0.822	0.96	0.92	1.01	1.09E-01	2.64E-02	0.606	0.92	0.84	1.00	6.27E-02	2.64E-02	0.606
0.97	0.93	1.01	1.26E-01	4.42E-01	0.000	1.00	0.94	1.06	9.79E-01	6.61E-01	0.000	1.00	0.94	1.06	9.79E-01	6.61E-01	0.000
1.02	0.96	1.08	6.06E-01	6.54E-02	0.473	1.00	0.95	1.05	8.93E-01	1.05E-01	0.411	1.00	0.93	1.08	9.11E-01	1.05E-01	0.411
1.03	0.95	1.11	4.93E-01	4.13E-02	0.567	1.00	0.94	1.06	9.62E-01	2.07E-01	0.305	1.01	0.93	1.09	8.98E-01	2.07E-01	0.305
1.02	0.96	1.09	5.28E-01	4.72E-02	0.554	0.98	0.93	1.03	5.17E-01	4.25E-01	0.000	0.98	0.93	1.03	5.17E-01	4.25E-01	0.000
1.05	0.99	1.11	8.74E-02	1.16E-01	0.395	1.02	0.97	1.07	4.22E-01	5.46E-01	0.000	1.02	0.97	1.07	4.22E-01	5.46E-01	0.000
1.05	1.01	1.09	1.18E-02	4.52E-01	0.000	1.02	0.97	1.08	4.08E-01	2.60E-01	0.222	1.02	0.95	1.09	6.59E-01	2.60E-01	0.222
1.07	1.03	1.12	1.08E-03	7.35E-01	0.000	1.07	1.00	1.13	3.79E-02	7.44E-01	0.000	1.07	1.00	1.13	3.79E-02	7.44E-01	0.000
1.01	0.93	1.10	8.00E-01	7.31E-03	0.684	0.99	0.94	1.05	7.91E-01	8.25E-02	0.487	0.99	0.90	1.08	7.79E-01	8.25E-02	0.487
1.04	0.98	1.10	1.87E-01	2.14E-02	0.574	1.04	1.00	1.08	4.32E-02	2.48E-02	0.564	1.03	0.96	1.11	3.65E-01	2.48E-02	0.564
1.04	0.97	1.11	3.06E-01	7.03E-02	0.485	1.02	0.97	1.07	4.56E-01	3.85E-01	0.055	1.02	0.96	1.08	5.53E-01	3.85E-01	0.055
0.98	0.93	1.04	5.35E-01	9.54E-02	0.466	1.02	0.97	1.06	5.05E-01	9.22E-01	0.000	1.02	0.97	1.06	5.05E-01	9.22E-01	0.000
1.03	0.96	1.10	4.68E-01	1.28E-01	0.395	1.01	0.95	1.07	7.99E-01	1.83E-01	0.321	1.01	0.92	1.12	7.58E-01	1.83E-01	0.321
1.02	0.97	1.06	4.84E-01	1.76E-01	0.347	0.98	0.94	1.03	4.75E-01	9.96E-01	0.000	0.98	0.94	1.03	4.75E-01	9.96E-01	0.000
1.03	1.00	1.06	4.72E-02	4.69E-01	0.000	1.00	0.96	1.04	9.49E-01	9.39E-01	0.000	1.00	0.96	1.04	9.49E-01	9.39E-01	0.000
0.94	0.92	0.97	3.51E-05	5.90E-01	0.000	0.95	0.92	0.99	1.04E-02	6.97E-01	0.000	0.95	0.92	0.99	1.04E-02	6.97E-01	0.000
1.02	0.97	1.08	4.07E-01	1.00E-01	0.458	1.02	0.97	1.06	4.96E-01	5.22E-02	0.544	1.03	0.94	1.11	5.45E-01	5.22E-02	0.544
0.99	0.90	1.08	8.15E-01	2.25E-04	0.791	0.99	0.95	1.04	7.34E-01	1.21E-02	0.658	0.97	0.87	1.07	5.07E-01	1.21E-02	0.658
1.01	0.93	1.10	8.15E-01	5.37E-04	0.772	1.02	0.97	1.07	4.12E-01	3.49E-02	0.583	1.06	0.97	1.17	1.76E-01	3.49E-02	0.583
0.95	0.91	0.99	9.19E-03	1.56E-01	0.341	0.97	0.93	1.01	1.08E-01	3.52E-01	0.101	0.97	0.93	1.01	1.66E-01	3.52E-01	0.101
1.04	0.99	1.09	1.13E-01	1.99E-01	0.315	1.02	0.97	1.07	4.14E-01	2.50E-01	0.245	1.03	0.97	1.10	3.30E-01	2.50E-01	0.245
1.04	0.94	1.15	4.31E-01	7.02E-04	0.742	1.07	1.01	1.13	1.40E-02	4.67E-01	0.000	1.07	1.01	1.13	1.40E-02	4.67E-01	0.000
1.01	0.93	1.09	8.67E-01	1.20E-01	0.406	0.97	0.90	1.05	4.55E-01	8.21E-01	0.000	0.97	0.90	1.05	4.55E-01	8.21E-01	0.000
1.05	1.00	1.10	4.74E-02	1.89E-01	0.313	1.02	0.98	1.07	2.82E-01	3.18E-01	0.146	1.03	0.98	1.09	2.63E-01	3.18E-01	0.146
1.00	0.92	1.08	9.45E-01	2.46E-03	0.729	1.00	0.95	1.05	8.55E-01	3.10E-02	0.593	1.05	0.95	1.15	3.68E-01	3.10E-02	0.593
0.94	0.83	1.07	3.54E-01	4.40E-04	0.777	0.92	0.86	0.98	1.10E-02	1.43E-01	0.394	0.88	0.79	0.98	2.42E-02	1.43E-01	0.394
0.96	0.92	1.00	7.17E-02	1.35E-01	0.385	0.97	0.93	1.01	1.21E-01	2.60E-01	0.222	0.98	0.93	1.03	3.55E-01	2.60E-01	0.222
0.99	0.96	1.03	7.23E-01	6.02E-01	0.000	1.00	0.95	1.06	8.71E-01	5.96E-01	0.000	1.00	0.95	1.06	8.71E-01	5.96E-01	0.000
1.04	0.99	1.09	9.65E-02	1.68E-01	0.358	1.01	0.98	1.05	5.42E-01	7.37E-01	0.000	1.01	0.98	1.05	5.42E-01	7.37E-01	0.000
1.02	0.98	1.06	3.20E-01	3.43E-01	0.113	1.01	0.96	1.05	7.71E-01	3.34E-01	0.126	1.01	0.96	1.07	5.79E-01	3.34E-01	0.126
0.92	0.87	0.98	6.06E-03	3.11E-01	0.155	0.95	0.89	1.02	1.38E-01	6.64E-01	0.000	0.95	0.89	1.02	1.38E-01	6.64E-01	0.000
1.06	1.03	1.09	2.64E-04	7.53E-01	0.000	1.05	1.01	1.09	1.93E-02	4.79E-01	0.000	1.05	1.01	1.09	1.93E-02	4.79E-01	0.000
1.06	1.01	1.11	1.22E-02	4.40E-01	0.000	1.02	0.95	1.09	5.98E-01	8.18E-01	0.000	1.02	0.95	1.09	5.98E-01	8.18E-01	0.000
0.96	0.91	1.02	1.70E-01	1.14E-01	0.415	1.00	0.95	1.05	9.60E-01	7.90E-01	0.000	1.00	0.95	1.05	9.60E-01	7.90E-01	0.000
1.06	1.01	1.11	1.29E-02	1.67E-01	0.342	1.05	1.00	1.09	3.72E-02	8.55E-02	0.459	1.04	0.97	1.11	2.51E-01	8.55E-02	0.459

Meta TJR_arcOGEN_insilico_denovo_fixed						Meta TJR_arcOGEN_insilico_denovo_random						Meta TJR_insilico_denovo_fixed						Meta TJR_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.93	0.89	0.97	2.15E-03	1.27E-02	0.839	0.94	0.84	1.06	3.37E-01	1.27E-02	0.839	1.01	0.93	1.08	8.95E-01	1.00E+00	na	1.01	0.93	1.08	8.95E-01	1.00E+00	na
1.08	1.05	1.12	3.37E-06	2.08E-01	0.362	1.08	1.03	1.13	9.11E-04	2.08E-01	0.362	1.05	1.00	1.10	6.49E-02	8.58E-01	0.000	1.05	1.00	1.10	6.49E-02	8.58E-01	0.000
1.05	0.98	1.12	1.67E-01	4.98E-02	0.740	1.03	0.89	1.18	6.98E-01	4.98E-02	0.740	0.95	0.84	1.07	4.00E-01	1.00E+00	na	0.95	0.84	1.07	4.00E-01	1.00E+00	na
0.96	0.92	1.00	4.37E-02	4.92E-03	0.874	0.98	0.87	1.10	6.75E-01	4.92E-03	0.874	1.04	0.97	1.11	2.81E-01	1.00E+00	na	1.04	0.97	1.11	2.81E-01	1.00E+00	na
1.13	1.05	1.21	5.97E-04	5.21E-02	0.735	1.10	0.94	1.28	2.42E-01	5.21E-02	0.735	1.00	0.87	1.15	9.78E-01	1.00E+00	na	1.00	0.87	1.15	9.78E-01	1.00E+00	na
0.97	0.92	1.01	1.24E-01	5.00E-04	0.917	0.99	0.84	1.18	9.51E-01	5.00E-04	0.917	1.09	1.00	1.18	4.21E-02	1.00E+00	na	1.09	1.00	1.18	4.21E-02	1.00E+00	na
1.06	1.01	1.12	1.94E-02	3.58E-01	0.000	1.06	1.01	1.12	1.94E-02	3.58E-01	0.000	1.03	0.95	1.12	5.05E-01	1.00E+00	na	1.03	0.95	1.12	5.05E-01	1.00E+00	na
0.96	0.93	1.00	4.65E-02	5.36E-01	0.000	0.96	0.93	1.00	4.65E-02	5.36E-01	0.000	0.98	0.92	1.04	5.18E-01	1.00E+00	0.000	0.98	0.92	1.04	5.18E-01	1.00E+00	0.000
0.95	0.91	0.98	3.99E-03	1.04E-01	0.621	0.95	0.90	1.02	1.39E-01	1.04E-01	0.621	0.99	0.93	1.05	7.33E-01	1.00E+00	na	0.99	0.93	1.05	7.33E-01	1.00E+00	na
0.96	0.92	1.01	1.25E-01	9.44E-02	0.643	0.97	0.90	1.06	5.23E-01	9.44E-02	0.643	1.02	0.94	1.11	6.18E-01	1.00E+00	na	1.02	0.94	1.11	6.18E-01	1.00E+00	na
0.96	0.90	1.01	1.03E-01	5.88E-05	0.938	0.99	0.78	1.25	9.31E-01	5.88E-05	0.938	1.12	1.02	1.23	2.10E-02	1.00E+00	na	1.12	1.02	1.23	2.10E-02	1.00E+00	na
0.97	0.93	1.01	1.00E-01	7.73E-04	0.912	0.99	0.86	1.14	8.86E-01	7.73E-04	0.912	1.07	1.00	1.14	6.89E-02	1.00E+00	na	1.07	1.00	1.14	6.89E-02	1.00E+00	na
1.03	0.97	1.09	4.06E-01	2.64E-01	0.198	1.03	0.96	1.10	4.29E-01	2.64E-01	0.198	1.07	0.97	1.18	1.64E-01	1.00E+00	na	1.07	0.97	1.18	1.64E-01	1.00E+00	na
1.12	1.08	1.16	1.25E-10	7.70E-02	0.610	1.11	1.04	1.18	8.17E-04	7.70E-02	0.610	1.07	1.02	1.13	7.70E-03	6.12E-01	0.000	1.07	1.02	1.13	7.70E-03	6.12E-01	0.000
1.12	1.08	1.16	7.24E-11	8.95E-02	0.586	1.11	1.05	1.17	4.54E-04	8.95E-02	0.586	1.07	1.02	1.13	7.79E-03	8.66E-01	0.000	1.07	1.02	1.13	7.79E-03	8.66E-01	0.000
0.96	0.92	1.00	2.86E-02	9.02E-01	0.000	0.96	0.92	1.00	2.86E-02	9.02E-01	0.000	0.96	0.90	1.02	1.81E-01	1.00E+00	na	0.96	0.90	1.02	1.81E-01	1.00E+00	na
0.96	0.92	1.00	3.01E-02	3.60E-03	0.882	0.98	0.87	1.10	6.77E-01	3.60E-03	0.882	1.04	0.97	1.11	2.66E-01	1.00E+00	na	1.04	0.97	1.11	2.66E-01	1.00E+00	na
1.14	1.06	1.22	5.44E-04	3.57E-01	0.000	1.14	1.06	1.22	5.44E-04	3.57E-01	0.000	1.09	0.96	1.23	1.82E-01	1.00E+00	na	1.09	0.96	1.23	1.82E-01	1.00E+00	na
0.95	0.92	0.98	1.78E-03	3.07E-01	0.153	0.95	0.91	0.99	6.94E-03	3.07E-01	0.153	0.97	0.93	1.03	3.20E-01	5.82E-01	0.000	0.97	0.93	1.03	3.20E-01	5.82E-01	0.000
0.99	0.95	1.02	4.29E-01	2.76E-05	0.943	1.01	0.86	1.19	9.19E-01	2.76E-05	0.943	0.93	0.89	0.97	1.82E-03	1.00E+00	0.000	0.93	0.89	0.97	1.82E-03	1.00E+00	0.000
0.92	0.87	0.98	5.65E-03	2.42E-02	0.803	0.94	0.82	1.07	3.51E-01	2.42E-02	0.803	1.01	0.91	1.11	8.59E-01	1.00E+00	na	1.01	0.91	1.11	8.59E-01	1.00E+00	na
0.86	0.80	0.92	3.68E-05	1.83E-01	0.436	0.87	0.78	0.96	4.15E-03	1.83E-01	0.436	0.92	0.81	1.04	1.72E-01	1.00E+00	na	0.92	0.81	1.04	1.72E-01	1.00E+00	na
1.13	1.07	1.20	4.34E-05	1.66E-01	0.478	1.13	1.04	1.22	5.58E-03	1.66E-01	0.478	1.07	0.97	1.18	1.55E-01	1.00E+00	na	1.07	0.97	1.18	1.55E-01	1.00E+00	na
0.94	0.91	0.98	4.07E-03	5.21E-04	0.917	0.96	0.84	1.11	6.12E-01	5.21E-04	0.917	1.04	0.97	1.11	2.66E-01	1.00E+00	na	1.04	0.97	1.11	2.66E-01	1.00E+00	na
0.94	0.90	0.98	2.05E-03	4.39E-01	0.000	0.94	0.90	0.98	2.05E-03	4.39E-01	0.000	0.97	0.91	1.03	2.68E-01	7.88E-01	0.000	0.97	0.91	1.03	2.68E-01	7.88E-01	0.000
1.07	1.03	1.11	7.25E-04	9.44E-01	0.000	1.07	1.03	1.11	7.25E-04	9.44E-01	0.000	1.07	1.00	1.14	4.66E-02	1.00E+00	na	1.07	1.00	1.14	4.66E-02	1.00E+00	na
0.96	0.92	0.99	1.79E-02	1.46E-01	0.527	0.96	0.91	1.02	1.67E-01	1.46E-01	0.527	0.99	0.93	1.06	8.52E-01	1.00E+00	na	0.99	0.93	1.06	8.52E-01	1.00E+00	na
1.05	0.99	1.12	1.11E-01	2.76E-02	0.794	1.03	0.89	1.20	6.90E-01	2.76E-02	0.794	0.95	0.85	1.06	3.66E-01	1.00E+00	na	0.95	0.85	1.06	3.66E-01	1.00E+00	na
0.97	0.93	1.00	6.97E-02	2.69E-01	0.182	0.97	0.93	1.01	1.21E-01	2.69E-01	0.182	1.00	0.93	1.06	8.77E-01	1.00E+00	na	1.00	0.93	1.06	8.77E-01	1.00E+00	na
0.93	0.88	0.97	9.31E-04	9.39E-03	0.852	0.92	0.82	1.04	1.81E-01	9.39E-03	0.852	0.98	0.92	1.04	5.03E-01	1.00E+00	na	0.98	0.92	1.04	5.03E-01	1.00E+00	na
1.05	1.00	1.11	4.32E-02	5.51E-01	0.000	1.05	1.00	1.11	4.32E-02	5.51E-01	0.000	1.03	0.94	1.13	4.89E-01	1.00E+00	na	1.03	0.94	1.13	4.89E-01	1.00E+00	na
1.10	1.06	1.14	1.39E-06	8.32E-01	0.000	1.10	1.06	1.14	1.39E-06	8.32E-01	0.000	1.08	1.02	1.14	6.13E-03	9.25E-01	0.000	1.08	1.02	1.14	6.13E-03	9.25E-01	0.000
1.10	1.04	1.16	3.42E-04	6.77E-01	0.000	1.10	1.04	1.16	3.42E-04	6.77E-01	0.000	1.08	0.99	1.16	6.87E-02	5.86E-01	0.000	1.08	0.99	1.16	6.87E-02	5.86E-01	0.000
1.01	0.97	1.05	5.24E-01	9.86E-03	0.850	1.00	0.90	1.11	9.53E-01	9.86E-03	0.850	0.94	0.88	1.01	8.02E-02	1.00E+00	na	0.94	0.88	1.01	8.02E-02	1.00E+00	na
1.06	1.03	1.10	9.02E-04	3.31E-02	0.707	1.04	0.97	1.12	2.48E-01	3.31E-02	0.707	1.01	0.95	1.07	7.37E-01	3.38E-01	0.000	1.01	0.95	1.07	7.37E-01	3.38E-01	0.000
1.08	1.03	1.14	1.45E-03	9.99E-03	0.849	1.06	0.92	1.22	4.28E-01	9.99E-03	0.849	0.98	0.90	1.07	6.78E-01	1.00E+00	na	0.98	0.90	1.07	6.78E-01	1.00E+00	na
1.03	0.99	1.08	1.50E-01	1.22E-01	0.581	1.03	0.96	1.10	4.85E-01	1.22E-01	0.581	0.98	0.91	1.06	6.73E-01	1.00E+00	na	0.98	0.91	1.06	6.73E-01	1.00E+00	na
0.96	0.92	1.00	7.69E-02	2.33E-02	0.806	0.97	0.88	1.08	6.16E-01	2.33E-02	0.806	1.03	0.96	1.11	4.33E-01	1.00E+00	na	1.03	0.96	1.11	4.33E-01	1.00E+00	na
0.97	0.88	1.06	4.53E-01	1.00E+00	na	0.97	0.88	1.06	4.53E-01	1.00E+00	na												
0.94	0.90	0.98	1.65E-03	8.89E-01	0.000	0.94	0.90	0.98	1.65E-03	8.89E-01	0.000	0.94	0.88	1.01	9.64E-02	1.00E+00	na	0.94	0.88	1.01	9.64E-02	1.00E+00	na
1.05	1.00	1.10	5.60E-02	8.78E-01	0.000	1.05	1.00	1.10	5.60E-02	8.78E-01	0.000	1.03	0.95	1.12	4.12E-01	8.51E-01	0.000	1.03	0.95	1.12	4.12E-01	8.51E-01	0.000
1.05	1.00	1.10	5.29E-02	4.24E-01	0.000	1.05	1.00	1.10	5.29E-02	4.24E-01	0.000	1.02	0.94	1.09	6.69E-01	4.23E-01	0.000	1.02	0.94	1.09	6.69E-01	4.23E-01	0.000
1.09	1.04	1.14	1.23E-04	1.29E-01	0.567	1.08	1.01	1.16	2.97E-02	1.29E-01	0.567	1.04	0.96	1.12	3.62E-01	1.00E+00	na	1.04	0.96	1.12	3.62E-01	1.00E+00	na
1.04	1.00	1.09	5.36E-02	2.56E-05	0.905	0.99	0.85	1.16	9.21E-01	2.56E-05	0.905	0.97	0.90	1.03	3.14E-01	4.73E-04	0.918	0.93	0.73	1.19	5.82E-01	4.73E-04	0.918
0.93	0.89	0.97	1.01E-03	3.40E-02	0.778	0.94	0.85	1.04	2.31E-01	3.40E-02	0.778	0.99	0.92	1.07	8.79E-01	1.00E+00	na	0.99	0.92	1.07	8.79E-01	1.00E+00	na
0.93	0.89	0.98	3.30E-03	8.99E-01	0.000	0.93	0.89	0.98	3.30E-03	8.99E-01	0.000	0.93	0.85	1.00	6.27E-02	1.00E+00	na	0.93	0.85	1.00	6.27E-02	1.00E+00	na
0.94	0.90	0.98	1.99E-03	1.79E-01	0.419	0.95	0.90	1.00	5.24E-02	1.79E-01	0.419	0.97	0.92	1.03	3.81E-01	3.66E-01	0.000	0.97	0.92	1.03	3.81E-01	3.66E-01	0.000
0.96	0.91	1.01	7.90E-02	3.13E-01	0.017	0.96	0.91	1.01	8.31E-02	3.13E-01	0.017	0.99	0.91	1.08	8.20E-01	1.00E+00	na	0.99	0.91	1.08	8.20E-01	1.00E+00	na
1.02	0.98	1.07	2.74E-01	4.84E-02	0.743	1.01	0.92	1.11	7.82E-01	4.84E-02	0.743	0.96	0.89	1.04	3.27E-01	1.00E+00	na	0.96	0.89	1.04	3.27E-01	1.00E+00	na
1.13	1.06	1.20	1.93E-04	5.74E-01	0.000	1.13	1.06	1.20	1.93E-04	5.74E-01	0.000	1.10	0.98	1.23	1.01E-01	1.00E+00	na	1.10	0.98	1.23	1.01E-01	1.00E+00	na
1.02	0.98	1.06	3.22E-01	4.27E-04	0.919	1.00	0.87	1.15	9.86E-01	4.27E-04	0.919	0.93	0.87	0.99	2.33E-02	1.00E+00	na	0.93	0.87	0.99	2.33E-02	1.00E+00	na
0.92	0.88	0.95	1.05E-05	2.05E-01	0.378	0.92	0.88	0.97	1.41E-03	2.05E-01	0.378	0.95	0.89	1.02	1.44E-01	1.00E+00	na	0.95	0.89	1.02	1.44E-01	1.00E+00	na
1.15	1.08	1.23	1.29E-05	9.84E-02	0.634	1.14	1.02	1.27	2.04E-02	9.84E-02	0.634	1.07	0.96	1.19	2.26E-01	1.00E+00	na	1.07	0.96	1.19	2.26E-01	1.00E+00	na
1.06	1.02	1.10	1.65E-03	6.90E-03	0.863	1.05	0.94	1.17	3.74E-01	6.90E-03	0.863	0.99	0.93	1.06	8.01E-01	1.00E+00	na	0.99	0.93	1.06	8.01E-01	1.00E+00	na
0.97	0.94	1.01	1.31E-01	5.51E-02	0.728	0.98	0.91	1.05	5.51E-01	5.51E-02	0.728	1.02	0.96	1.08	5.67E-01	1.00E+00	na	1.02	0.96	1.08	5.67E-01	1.00E+00	na
1.03	0.99	1.08	1.65E-01	3.59E-02	0.773	1.02	0.93	1.12	6.84E-01	3.59E-02	0.773	0.97	0.90	1.04	3.89E-01	1.00E+00	na	0.97	0.90	1.04	3.89E-01	1.00E+00	na
1.01	0.98	1.05	4.89E-01	4.68E-04	0.918	0.99	0.86	1.14	9.09E-01	4.68E-04	0.918	0.92	0.86	0.98	1.43E-02	1.00E+00	na	0.92	0.86	0.98	1.43E-02	1.00E+00	na
1.07	1.03	1.10	1.61E-04	7.80E-01	0.000	1.07	1.03	1.10	1.61E-04	7.80E-01	0.000	1.08	1.03	1.14	2.72E-03	8.12E-01	0.000	1.08	1.03	1.14	2.72E-03	8.12E-01	0.000
0.95	0.92	0.99	1.64E-02	1.96E-01	0.387	0.96	0.91	1.01	1.07E-01	1.96E-01	0.387	0.96	0.91	1.02	2.29E-01	8.36E-02	0.666	0.97	0.87	1.08	6.20E-01	8.36E-02	0.666
0.96	0.93	1.00	5.77E-02	2.94E-03	0.887	0.98	0.87	1.10	7.65E-01	2.94E-03	0.887	1.05	0.98	1.11	1.79E-01	1.00E+00	na	1.05	0.98	1.11	1.79E-01	1.00E+00	na
1.03	0.99	1.08	1.16E-01	5.86E-01	0.000	1.03	0.99	1.08	1.16E-01	5.86E-01	0.000	1.02	0.95	1.09	6.43E-01	1.00E+00	na	1.02	0.95	1.09	6.43E-01	1.00E+00	na
0.92	0.86	0.99	1.87E-02	1.86E-01	0.405	0.93	0.85	1.03	1.49E-01	1.86E-01	0.405	0.99	0.89	1.10	8.48E-01	6.44E-01	0.000	0.99	0.89	1.10	8.48E-01	6.44E-01	0.000
0.90	0.86	0.95	1.01E-04	2.90E-01	0.107	0.91	0.86	0.96	3.51E-04	2.90E-01	0.107	0.94	0.86	1.03	1.93E-01	1.00E+00	na	0.94	0.86	1.03	1.93E-01	1.00E+00	na
0.96	0.92	0.99	1.97E-02	6.55E-03	0.865	0.97	0.88	1.08	5.87E-01	6.55E-03	0.865	1.03	0.97	1.09	4.02E-01	1.00E+00	na	1.03	0.97	1.09	4.02E-01	1.00E+00	na
1.11	1.06	1.18	8.38E-05	8.54E-02	0.662	1.11	1.01	1.22	3.69E-02	8.54E-02	0.662	1.05	0.96	1.14	2.69E-01	1.00E+00	na	1.05	0.96	1.14	2.69E-01	1.00E+00	na
1.08	1.04	1.12	6.79E-05	8.21E-02	0.669	1.07	1.00	1.15	5.64E-02	8.21E-02	0.669	1.03	0.96	1.10	4.15E-01	1.00E+00	na	1.03	0.96	1.10	4.15E-01	1.00E+00	na
0.94	0.89	0.98	5.96E-03	6.51E-01	0.000	0.94	0.89	0.98	5.96E-03	6.51E-01	0.000	0.95	0.88	1.03	2.24E-01	1.00E+00	na	0.95	0.88	1.03	2.24E-01	1.00E+00	na
1.01	0.96	1.05	7.57E-01	1.12E-02	0.778	0.98	0.89	1.08	7.13E-01	1.12E-02	0.778	0.96	0.90	1.03	2.41E-01	1.81E-02	0.821	0.94	0.80	1.11	4.72E-01	1.81E-02	0.821
1.04	0.99	1.10	8.98E-02	5.19E-03	0.872	1.02	0.88	1.18	8.34E-01	5.19E-03	0.872	0.94	0.86	1.03	1.59E-01	1.00E+00	na	0.94	0.86	1.03	1.59E-01	1.00E+00	na
1.04	0.99	1.08	9.02E-02	5.86E-03	0.868	1.01	0.90	1.15	8.15E-01	5.86E-03	0.868	0.95	0.88	1.02	1.76E-01	1.00E+00	na	0.95	0.88	1.02	1.76E-01	1.00E+00	na
1.08	1.03	1.12	5.52E-04	2.66E-02	0.724	1.06	0.97	1.16	1.80E-01	2.66E-02	0.724	1.01	0.95	1.08	6.74E-01	2.58E-01	0.220	1.02	0.94	1.09	6.69E-01	2.58E-01	0.220
1.07	1.03	1.12	1.68E-03	5.68E-01	0.000	1.07	1.03	1.12	1.68E-03	5.68E-01	0.000	1.05	0.98	1.14	1.74E-01	1.00E+00	na	1.05	0.98	1.14	1.74E-01	1.00E+00	na
1.08	1.03	1.14	3.51E-03	3.06E-01	0.044	1.08	1.02	1.14	4.92E-03	3.06E-01	0.044	1.04	0.94	1.14	4.59E-01	1.00E+00	na	1.04	0.94	1.14	4.59E-01	1.00E+00	na
1.06	1.02	1.11	5.97E-03	3.26E-02	0.781	1.04	0.94	1.16	4.21E-01	3.26E-02	0.781	0.98	0.90	1.07	7.09E-01	1.00E+00	na	0.98	0.90	1.07	7.09E-01	1.00E+00	na
1.08	1.04	1.12	1.10E-05	6.12E-01	0.000	1.08	1.04	1.12	1.10E-05	6.12E-01	0.000	1.08	1.02	1.14	4.95E-03	3.28E-01	0.000	1.08	1.02	1.14	4.95E-03	3.28E-01	0.000
1.09	1.05	1.14	3.33E-05	3.72E-02	0.770	1.09	0.99	1.19	6.98E-02	3.72E-02	0.770	1.04	0.97	1.11	3.00E-01	1.00E+00	na	1.04	0.97	1.11	3.00E-01	1.00E+00	na
0.93	0.89	0.97	1.78E-04	1.49E-03	0.901	0.95	0.83	1.08	4.04E-01	1.49E-03	0.901	1.01	0.95	1.08	6.98E-01	1.00E+00	na	1.01	0.95	1.08	6.98E-01	1.00E+00	na
1.06	1.00	1.12	3.64E-02	1.29E-02	0.838	1.04	0.90	1.19	5.91E-01	1.29E-02	0.838	0.96	0.88	1.06	4.31E-01	1.00E+00	0.000	0.96	0.88	1.06	4.31E-01	1.00E+00	0.000
1.03	1.00	1.07	6.28E-02	1.23E-02	0.841	1.02	0.93	1.12	6.25E-01	1.23E-02	0.841	0.97	0.92	1.03	3.83E-01	1.00E+00	na	0.97	0.92	1.03	3.83E-01	1.00E+00	na
1.04	1.00	1.08	6.63E-02	1.64E-01	0.484	1.03	0.98	1.09	2.76E-01	1.64E-01	0.484	1.00	0.93	1.06	9.28E-01	1.00E+00	na	1.00	0.93	1.06	9.28E-01	1.00E+00	na
0.92	0.89	0.95	3.12E-07	7.12E-01	0.000	0.92	0.89	0.95	3.12E-07	7.12E-01	0.000	0.93	0.89	0.97	1.66E-03	7.77E-01	0.000	0.93	0.89	0.97	1.66E-03	7.77E-01	0.000
1.04	1.00	1.08	5.64E-02	3.18E-01	0.000	1.04	1.00	1.08	5.64E-02	3.18E-01	0.000	1.01	0.95	1.08	7.58E-01	1.00E+00	na	1.01	0.95	1.08	7.58E-01	1.00E+00	na
1.04	1.00	1.09	2.77E-02	4.92E-02	0.742	1.03	0.95	1.12	4.13E-01	4.92E-02	0.742	0.99	0.93	1.06	7.46E-01	1.00E+00	na	0.99	0.93	1.06	7.46E-01	1.00E+00	na
0.94	0.90	0.97	7.66E-04	1.17E-02	0.843	0.95	0.86	1.05	3.20E-01	1.17E-02	0.843	1.00	0.94	1.07	9.29E-01	1.00E+00	na	1.00	0.94	1.07	9.29E-01	1.00E+00	na
0.92	0.89	0.96	5.87E-06	2.61E-01	0.256	0.93	0.89	0.97	3.90E-04	2.61E-01	0.256	0.95	0.91	1.00	6.88E-02	6.17E-01	0.000	0.95	0.91	1.00	6.88E-02	6.17E-01	0.000
1.06	1.02	1.10	2.16E-03	9.37E-02	0.644	1.05	0.99	1.13	1.27E-01	9.37E-02	0.644	1.01	0.95	1.08	6.81E-01	1.00E+00	na	1.01	0.95	1.08	6.81E-01	1.00E+00	na
0.93	0.89	0.98	3.46E-03	5.32E-03	0.871	0.96	0.83	1.10	5.32E-01	5.32E-03	0.871	1.03	0.95	1.12	4.76E-01	1.00E+00	na	1.03	0.95	1.12	4.76E-01	1.00E+00	na
1.06	1.00	1.13	4.13E-02	1.69E-01	0.470	1.05	0.96	1.15	2.47E-01	1.69E-01	0.470	1.00	0.89	1.11	9.30E-01	1.00E+00	na	1.00	0.89	1.11	9.30E-01	1.00E+00	na
1.06	1.02	1.10	1.49E-03	2.55E-02	0.800	1.05	0.96	1.15	2.93E-01	2.55E-02	0.800	1.00	0.94	1.07	9.76E-01	1.00E+00	na	1.00	0.94	1.07	9.76E-01	1.00E+00	na
0.91	0.88	0.95	1.14E-05	7.53E-01	0.000	0.91	0.88	0.95	1.14E-05	7.53E-01	0.000	0.92	0.86	0.99	2.70E-02	1.00E+00	na	0.92	0.86	0.99	2.70E-02	1.00E+00	na
1.07	1.01	1.13	1.49E-02	5.67E-04	0.916	1.05	0.87	1.27	6.10E-01	5.67E-04	0.916	0.95	0.87	1.04	2.59E-01	1.00E+00	na	0.95	0.87	1.04	2.59E-01	1.00E+00	na
0.94	0.91	0.97	4.99E-04	5.94E-01	0.000	0.94	0.91	0.97	4.99E-04	5.94E-01	0.000	0.96	0.91	1.01	1.16E-01	7.44E-01	0.000	0.96	0.91	1.01	1.16E-01	7.44E-01	0.000
0.97	0.93	1.02	2.40E-01	5.35E-01	0.000	0.97	0.93	1.02	2.40E-01	5.35E-01	0.000	0.99	0.92	1.07	8.43E-01	1.00E+00	na	0.99	0.92	1.07	8.43E-01	1.00E+00	na
1.04	1.00	1.07	2.96E-02	1.35E-02	0.836	1.04	0.96	1.13	2.90E-01	1.35E-02	0.836	1.00	0.97	1.04	8.43E-01	1.00E+00	na	1.00	0.97	1.04	8.43E-01	1.00E+00	na
1.00	0.96	1.03	8.80E-01	1.11E-01	0.607	0.99	0.93	1.05	7.75E-01	1.11E-01	0.607	0.96	0.90	1.02	1.66E-01	1.00E+00	na	0.96	0.90	1.02	1.66E-01	1.00E+00	na
0.88	0.83	0.93	1.50E-05	5.12E-01	0.000	0.88	0.83	0.93	1.50E-05	5.12E-01	0.000	0.90	0.82	0.99	3.75E-02	1.00E+00	na	0.90	0.82	0.99	3.75E-02	1.00E+00	na
1.05	1.02	1.09	3.23E-03	6.67E-01	0.000	1.05	1.02	1.09	3.23E-03	6.67E-01	0.000	1.06	1.01	1.12	2.26E-02	4.38E-01	0.000	1.06	1.01	1.12	2.26E-02	4.38E-01	0.000
1.06	1.00	1.12	4.08E-02	2.80E-01	0.143	1.06	1.00	1.13	6.90E-02	2.80E-01	0.143	1.02	0.92	1.12	7.51E-01	1.00E+00	na	1.02	0.92	1.12	7.51E-01	1.00E+00	na
0.94	0.90	0.98	2.04E-03	8.99E-04	0.909	0.95	0.83	1.10	5.10E-01	8.99E-04	0.909	1.03	0.96	1.10	4.46E-01	1.00E+00	0.000	1.03	0.96	1.10	4.46E-01	1.00E+00	0.000
1.07	1.04	1.11	1.21E-04	7.92E-01	0.000	1.07	1.04	1.11	1.21E-04	7.92E-01	0.000	1.06	1.00	1.12	3.56E-02	6.63E-01	0.000	1.06	1.00	1.12	3.56E-02	6.63E-01	0.000

Female

					arcOGEN				TJR arcOGEN				deCODE			
Marker	Chr	Position	EA	NEA	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1	102046864	C	T	0.90	0.84	0.97	3.78E-03	0.90	0.84	0.98	9.11E-03	1.02	0.93	1.13	6.83E-01
rs1417066	1	217740451	G	A	1.11	1.05	1.18	2.01E-04	1.14	1.07	1.21	2.81E-05	1.03	0.96	1.12	4.14E-01
rs1629896	1	223752551	G	A	1.11	1.00	1.22	5.27E-02	1.07	0.96	1.20	2.24E-01	0.94	0.81	1.10	4.66E-01
rs987179	1	242876559	A	G	0.88	0.83	0.94	4.02E-05	0.86	0.80	0.92	6.23E-06	1.06	0.97	1.16	2.04E-01
rs1024816	2	37454712	G	A	1.19	1.08	1.32	6.79E-04	1.24	1.12	1.39	8.52E-05	1.00	0.83	1.20	9.97E-01
rs3791679	2	55950396	G	A	0.95	0.89	1.02	1.52E-01	0.97	0.90	1.04	4.14E-01	1.10	0.99	1.22	8.09E-02
rs10779958	2	74609286	C	A	1.14	1.06	1.24	1.03E-03	1.12	1.02	1.22	1.31E-02	1.01	0.90	1.13	9.04E-01
rs6754683	2	108522707	A	G	1.01	0.96	1.07	7.04E-01	1.00	0.94	1.06	9.43E-01	1.01	0.92	1.09	9.02E-01
rs4622728	2	125523313	T	C	0.89	0.84	0.94	6.73E-05	0.90	0.85	0.95	5.36E-04	0.99	0.91	1.08	8.99E-01
rs1432237	2	137524977	G	A	1.03	0.96	1.11	3.80E-01	1.01	0.94	1.09	8.16E-01	1.01	0.90	1.12	8.98E-01
rs12618428	2	151441225	G	A	0.88	0.81	0.96	4.11E-03	0.90	0.82	0.99	2.51E-02	1.11	0.98	1.25	1.17E-01
rs6716254	2	175250720	C	T	0.90	0.85	0.96	6.08E-04	0.91	0.85	0.97	6.33E-03	1.03	0.94	1.13	4.74E-01
rs6793234	3	8801396	G	A	0.96	0.88	1.05	3.65E-01	0.92	0.83	1.01	8.89E-02	0.97	0.85	1.10	6.00E-01
rs11177	3	52696345	A	G	1.15	1.08	1.22	2.41E-06	1.17	1.10	1.24	1.36E-06	1.10	1.01	1.19	3.55E-02
rs6976	3	52703844	T	C	1.15	1.09	1.22	2.07E-06	1.17	1.10	1.24	1.12E-06	1.08	1.00	1.18	6.29E-02
rs10510816	3	59630570	A	C	0.91	0.86	0.96	5.46E-04	0.91	0.86	0.97	3.75E-03	0.95	0.87	1.03	2.12E-01
rs1355782	3	132970356	C	T	0.92	0.87	0.98	8.27E-03	0.93	0.87	0.99	2.56E-02	1.11	1.02	1.21	1.64E-02
rs16851066	3	142325511	A	G	1.28	1.14	1.43	2.52E-05	1.29	1.14	1.45	5.07E-05	1.10	0.94	1.29	2.30E-01
rs9867979	3	166345704	A	G	1.26	1.09	1.45	1.28E-03	1.29	1.12	1.50	5.08E-04	1.02	0.87	1.19	8.28E-01
rs12107036	3	191082854	A	G	0.88	0.83	0.93	7.95E-06	0.87	0.82	0.93	1.20E-05	0.96	0.89	1.05	3.74E-01
rs16837352	4	5555175	T	G	1.19	1.10	1.28	1.32E-05	1.16	1.07	1.26	5.77E-04	0.94	0.89	1.00	5.37E-02
rs17578878	4	37577120	T	C	0.85	0.78	0.93	4.09E-04	0.86	0.78	0.95	2.37E-03	0.99	0.87	1.13	8.77E-01
rs11725992	4	48082608	C	T	0.82	0.73	0.91	3.11E-04	0.84	0.74	0.94	2.99E-03	0.97	0.83	1.14	7.03E-01
rs6842739	4	60172105	A	G	0.86	0.79	0.94	5.81E-04	0.87	0.80	0.95	1.86E-03	0.96	0.87	1.05	3.44E-01
rs2626053	4	96474111	A	G	0.85	0.77	0.93	8.46E-04	0.82	0.74	0.91	2.40E-04	0.98	0.88	1.10	7.73E-01
rs2636726	4	106528673	A	G	1.19	1.10	1.29	8.44E-06	1.17	1.08	1.26	2.13E-04	0.94	0.86	1.02	1.54E-01
rs12500935	4	114760230	A	G	1.21	1.11	1.33	4.79E-05	1.23	1.11	1.36	4.81E-05	1.07	0.94	1.21	3.07E-01
rs1566347	4	186969560	T	C	0.88	0.83	0.93	1.90E-05	0.88	0.82	0.94	9.22E-05	1.08	0.99	1.18	7.34E-02
rs4957048	5	636442	A	G	0.95	0.89	1.02	1.30E-01	0.94	0.87	1.01	8.60E-02	1.03	0.94	1.14	5.03E-01
rs1083523	5	66314669	C	T	1.20	1.11	1.30	2.75E-06	1.20	1.11	1.30	1.20E-05	0.93	0.86	1.00	4.43E-02
rs2610424	5	71292415	C	T	1.11	1.05	1.18	2.25E-04	1.09	1.03	1.16	4.75E-03	1.04	0.95	1.13	4.07E-01
rs457008	5	81110411	T	C	0.94	0.89	0.99	2.56E-02	0.93	0.88	0.99	2.61E-02	0.99	0.91	1.07	7.68E-01
rs10036746	5	91780688	A	G	1.05	0.95	1.16	3.46E-01	1.03	0.92	1.14	6.13E-01	1.00	0.87	1.16	9.66E-01
rs11135394	5	93212891	C	T	0.83	0.76	0.90	3.23E-05	0.81	0.73	0.89	9.46E-06	0.99	0.89	1.09	8.27E-01
rs12515798	5	134333096	T	C	1.18	1.06	1.30	1.94E-03	1.19	1.07	1.33	1.15E-03	1.03	0.93	1.14	6.02E-01
rs10515550	5	144792886	T	C	1.00	0.94	1.05	8.69E-01	0.99	0.93	1.06	8.02E-01	0.98	0.90	1.06	5.57E-01
rs13167773	5	148567182	T	C	0.84	0.77	0.91	2.90E-05	0.84	0.76	0.92	1.36E-04	1.01	0.93	1.09	8.39E-01
rs10051783	5	167755230	T	C	1.16	1.07	1.25	2.67E-04	1.13	1.04	1.23	4.49E-03	1.01	0.90	1.14	8.67E-01
rs10948172	6	44885669	G	A	1.06	0.99	1.12	7.56E-02	1.06	0.99	1.13	8.82E-02	1.08	0.99	1.19	9.60E-02
rs9350591	6	76298247	T	C	1.08	0.99	1.17	9.50E-02	1.09	0.99	1.20	6.72E-02	1.04	0.91	1.18	5.56E-01
rs569731	6	76414313	A	G	0.83	0.74	0.92	5.62E-04	0.80	0.71	0.90	1.62E-04	0.99	0.89	1.10	8.35E-01
rs10943837	6	82727239	T	C	1.03	0.97	1.09	3.20E-01	1.06	0.99	1.13	9.10E-02	0.94	0.86	1.02	1.57E-01
rs2493984	6	95440213	G	A	1.14	1.07	1.21	1.55E-05	1.16	1.08	1.23	9.88E-06	1.09	1.00	1.20	6.32E-02
rs7755798	6	109743847	T	C	1.08	1.00	1.16	4.03E-02	1.07	0.98	1.16	1.20E-01	0.93	0.83	1.05	2.62E-01
rs2027532	6	112741889	C	T	0.98	0.91	1.04	4.56E-01	0.97	0.90	1.04	3.62E-01	0.94	0.85	1.03	1.97E-01
rs6931833	6	114078284	A	G	0.95	0.89	1.02	1.53E-01	0.95	0.88	1.02	1.19E-01	0.97	0.88	1.06	4.76E-01
rs17627827	7	16731521	G	A	1.14	1.02	1.27	2.13E-02	1.15	1.02	1.29	2.30E-02				
rs6461679	7	22976588	T	C	0.89	0.84	0.94	4.65E-05	0.89	0.84	0.95	3.31E-04	0.94	0.86	1.03	1.75E-01
rs7785659	7	32427540	T	C	0.98	0.90	1.06	5.53E-01	0.94	0.86	1.02	1.45E-01	1.08	0.94	1.24	2.61E-01
rs7805536	7	32540095	C	T	0.98	0.91	1.06	5.70E-01	0.96	0.88	1.04	2.83E-01	1.01	0.89	1.14	8.84E-01
rs1859572	7	76870933	T	C	1.14	1.07	1.22	8.23E-05	1.15	1.07	1.24	1.08E-04	1.08	0.98	1.20	1.32E-01
rs6466265	7	77998184	G	A	1.14	1.06	1.22	2.16E-04	1.15	1.07	1.25	2.06E-04	1.09	0.98	1.21	1.22E-01
rs1488517	7	95446689	C	T	1.17	1.07	1.27	4.79E-04	1.20	1.10	1.32	7.46E-05	1.07	0.98	1.17	1.15E-01
rs2966417	7	109944782	A	G	0.87	0.82	0.93	7.42E-05	0.86	0.80	0.93	6.90E-05	1.03	0.93	1.14	5.33E-01
rs4841020	8	8638760	G	A	0.84	0.78	0.90	3.08E-06	0.86	0.79	0.93	1.58E-04	0.92	0.83	1.03	1.34E-01
rs1876836	8	8719166	T	C	0.85	0.79	0.90	6.59E-07	0.84	0.78	0.90	1.61E-06	0.93	0.85	1.03	1.52E-01
rs4841067	8	8784655	G	A	0.84	0.78	0.91	1.41E-05	0.87	0.80	0.95	1.17E-03	0.94	0.84	1.05	2.87E-01
rs609792	8	9857300	T	C	1.13	1.05	1.21	5.03E-04	1.14	1.06	1.22	5.09E-04	0.98	0.88	1.08	6.27E-01
rs6997710	8	10247861	G	A	1.24	1.13	1.36	6.92E-06	1.25	1.13	1.38	1.80E-05	1.15	0.99	1.33	6.31E-02
rs1421259	8	15607043	A	G	1.04	0.98	1.10	2.42E-01	1.05	0.98	1.12	1.63E-01	0.94	0.87	1.03	1.89E-01
rs2979715	8	80724814	C	T	1.21	1.10	1.33	1.21E-04	1.23	1.11	1.36	8.57E-05	0.96	0.87	1.06	4.28E-01
rs2467753	8	80759808	G	T	1.26	1.13	1.40	2.16E-05	1.26	1.13	1.40	4.83E-05	0.93	0.84	1.04	2.04E-01
rs2289496	8	98357340	C	A	0.90	0.85	0.95	3.97E-04	0.89	0.84	0.95	3.53E-04	0.99	0.91	1.08	8.11E-01
rs16870112	8	104191422	A	C	1.17	1.06	1.29	1.66E-03	1.23	1.11	1.36	1.16E-04	1.02	0.88	1.18	8.23E-01
rs10956114	8	124156008	G	A	0.85	0.78	0.92	5.22E-05	0.85	0.79	0.93	2.02E-04	1.04	0.95	1.14	3.96E-01
rs4072286	8	142805713	G	T	1.17	1.11	1.24	8.81E-08	1.19	1.12	1.27	3.92E-08	0.97	0.89	1.05	4.90E-01
rs2146423	9	4647040	G	A	0.90	0.85	0.95	1.89E-04	0.91	0.85	0.96	1.86E-03	1.04	0.97	1.13	2.74E-01
rs945442	9	18917768	C	A	1.06	0.99	1.13	8.86E-02	1.05	0.97	1.12	2.18E-01	0.98	0.89	1.08	7.17E-01
rs3780296	9	79327254	C	T	1.05	0.99	1.11	1.17E-01	1.07	1.01	1.14	3.23E-02	0.93	0.85	1.01	8.25E-02
rs4072357	9	89688030	T	C	0.83	0.77	0.90	3.49E-06	0.82	0.76	0.89	2.90E-06	1.03	0.94	1.12	5.55E-01
rs4836732	9	118306516	C	T	1.09	1.03	1.15	3.92E-03	1.10	1.03	1.16	3.60E-03	1.14	1.05	1.24	2.32E-03
rs719535	9	118516091	T	C	1.17	1.07	1.29	6.16E-04	1.22	1.11	1.34	5.83E-05	1.10	1.00	1.21	4.89E-02
rs2900277	9	131434091	G	T	0.92	0.86	0.98	8.55E-03	0.94	0.87	1.01	7.70E-02	0.94	0.85	1.03	1.78E-01
rs2474714	10	33535989	G	A	0.85	0.79	0.92	5.08E-05	0.84	0.77	0.91	2.50E-05	0.95	0.88	1.04	2.74E-01
rs9299558	10	56603927	A	C	0.97	0.92	1.03	2.97E-01	0.97	0.92	1.04	3.92E-01	0.99	0.91	1.08	8.14E-01
rs1250552	10	80728033	G	A	1.18	1.09	1.28	2.61E-05	1.21	1.12	1.31	3.13E-06	1.02	0.94	1.11	6.84E-01
rs787640	10	95114663	G	A	1.09	1.03	1.16	4.97E-03	1.11	1.04	1.19	2.03E-03	1.01	0.92	1.11	8.67E-01
rs11188412	10	97391986	A	G	0.88	0.78	0.98	2.40E-02	0.93	0.83	1.06	2.74E-01	0.98	0.82	1.17	8.23E-01
rs4757420	11	12371653	T	G	0.84	0.78	0.91	6.20E-06	0.85	0.79	0.93	1.51E-04	0.93	0.83	1.05	2.67E-01
rs7119797	11	61922811	T	C	0.90	0.85	0.95	1.84E-04	0.88	0.83	0.94	5.58E-05	1.07	0.99	1.17	8.87E-02
rs17159801	11	82496946	A	G	1.16	1.06	1.26	9.33E-04	1.17	1.06	1.28	1.29E-03	1.08	0.97	1.21	1.76E-01
rs2691829	11	90240224	T	C	1.11	1.04	1.17	5.98E-04	1.11	1.04	1.18	1.07E-03	1.02	0.93	1.11	7.36E-01
rs6589848	11	120229228	T	C	0.89	0.83	0.96	1.94E-03	0.88	0.81	0.95	7.66E-04	0.95	0.86	1.06	3.93E-01
rs7941193	11	125876053	A	G	1.14	1.06	1.22	4.70E-04	1.15	1.06	1.24	4.47E-04	0.98	0.88	1.09	7.07E-01
rs7122854	11	132673733	G	A	1.00	0.93	1.07	9.43E-01	1.00	0.92	1.08	9.12E-01	0.93	0.82	1.04	2.00E-01
rs7305794	12	24860894	T	C	1.15	1.08	1.23	8.26E-06	1.15	1.08	1.23	4.90E-05	1.00	0.91	1.10	9.63E-01
rs10492367	12	27906237	T	G	1.10	1.02	1.18	1.08E-02	1.10	1.02	1.19	1.20E-02	0.98	0.88	1.09	7.43E-01
rs6487684	12	28534480	T	C	1.10	1.03	1.17	5.38E-03	1.14	1.06	1.22	4.44E-04	1.04	0.94	1.15	4.49E-01
rs1034762	12	46675910	A	C	0.97	0.90	1.05	4.71E-01	0.98	0.90	1.07	6.31E-01	1.05	0.92	1.19	4.74E-01
rs11107957	12	76956186	C	A	1.25	1.14	1.36	8.88E-07	1.26	1.15	1.38	7.19E-07	0.99	0.91	1.08	8.48E-01
rs1404866	12	83888610	T	G	1.11	1.04	1.18	2.03E-03	1.13	1.05	1.21	9.09E-04	1.03	0.93	1.15	5.49E-01
rs11107219	12	92770487	G	A	1.39	1.19	1.62	4.25E-05	1.44	1.22	1.69	9.81E-06	0.94	0.82	1.08	3.92E-01
rs835487	12	103584897	G	A	1.09	1.02	1.15	6.29E-03	1.11	1.04	1.18	1.14E-03	1.05	0.96	1.14	3.12E-01
rs11064722	12	118157566	T	C	1.11	1.04	1.19	3.21E-03	1.13	1.05	1.22	1.67E-03	1.05	0.96	1.14	3.19E-01
rs4544137	13	67072419	T	C	0.74	0.64	0.86	1.05E-04	0.75	0.64	0.88	5.13E-04	0.94	0.78	1.14	5.25E-01
rs7994526	13	67263831	G	A	0.72	0.62	0.84	1.52E-05	0.73	0.63	0.86	9.10E-05	1.11	0.94	1.31	2.27E-01
rs2036717	13	75645031	C	T	1.22	1.06	1.40	4.39E-03	1.25	1.09	1.45	2.02E-03	1.02	0.87	1.19	8.02E-01
rs9520058	13	105855421	G	T	0.92	0.87	0.98	6.81E-03	0.90	0.84	0.96	8.25E-04	0.99	0.91	1.08	7.73E-01
rs8015303	14	34316223	G	A	1.33	1.13	1.56	5.56E-04	1.36	1.15	1.60	3.07E-04	0.92	0.79	1.08	2.97E-01
rs1627411	14	42241078	T	C	0.85	0.77	0.94	1.05E-03	0.85	0.76	0.94	1.45E-03	1.10	0.98	1.24	9.68E-02
rs7155791	14	49487980	T	C	0.99	0.91	1.08	8.97E-01	1.01	0.93	1.11	7.65E-01	0.95	0.84	1.07	3.60E-01
rs1998094	14	51653209	C	T	1.31	1.16	1.49	2.26E-05	1.33	1.16	1.51	2.16E-05	1.02	0.89	1.17	7.60E-01
rs10144429	14	77722272	A	G	1.14	1.05	1.24	2.35E-03	1.16	1.06	1.27	8.23E-04	0.92	0.84	1.00	5.16E-02
rs11634255	15	30874764	G	A	1.00	0.95	1.06	9.34E-01	0.99	0.94	1.06	8.49E-01	0.95	0.88	1.03	2.00E-01
rs4646626	15	56043419	C	T	1.06	1.00	1.12	5.71E-02	1.06	1.00	1.13	6.73E-02	0.94	0.87	1.03	1.82E-01
rs8032755	15	91403060	A	G	0.95	0.89	1.00	5.49E-02	0.93	0.87	0.99	1.48E-02	0.95	0.89	1.02	1.84E-01
rs2908646	16	4971845	A	G	1.00	0.94	1.05	8.83E-01	1.00	0.94	1.06	9.50E-01	1.03	0.94	1.12	5.27E-01
rs12596722	16	9324789	C	A	1.10	1.04	1.17	1.46E-03	1.08	1.01	1.15	2.11E-02	0.96	0.88	1.05	3.34E-01
rs12923310	16	9695438	T	G	0.96	0.90	1.02	1.63E-01	0.97	0.91	1.04	4.14E-01	0.98	0.90	1.07	6.16E-01
rs8044769	16	52396636	T	C	0.86	0.81	0.91	5.98E-08	0.86	0.81	0.91	7.09E-07	0.85	0.78	0.92	1.01E-04
rs9937815	16	54888333	G	A	1.09	1.03	1.16	5.18E-03	1.10	1.04	1.18	2.66E-03	1.02	0.94	1.12	5.84E-01
rs7404629	16	64970230	A	G	0.86	0.81	0.92	2.24E-05	0.84	0.78	0.91	7.23E-06	1.05	0.94	1.17	3.65E-01
rs16947129	16	76709247	C	T	1.24	1.12	1.38	3.59E-05	1.27	1.14	1.42	1.07E-05	1.01	0.91	1.11	9.24E-01
rs4078062	17	16919559	A	G	1.17	1.08	1.28	2.99E-04	1.15	1.05	1.27	2.80E-03	0.97	0.84	1.13	7.20E-01
rs8080960	17	67298538	G	A	1.11	1.05	1.18	2.19E-04	1.15	1.08	1.23	5.75E-06	1.01	0.93	1.10	8.58E-01
rs11665347	18	10468812	A	G	0.91	0.85	0.96	1.39E-03	0.91	0.85	0.97	6.39E-03	0.94	0.85	1.03	1.68E-01
rs12454396	18	62299667	T	C	0.83	0.77	0.90	7.47E-06	0.84	0.77	0.91	3.61E-05	0.98	0.90	1.07	6.35E-01
rs17089382	18	70369681	T	C	1.07	0.98	1.17	1.46E-01	1.09	0.99	1.20	8.67E-02	0.96	0.86	1.08	5.25E-01
rs12974139	19	2135005	C	T	0.95	0.90	1.01	8.54E-02	0.96	0.90	1.02	1.43E-01	0.92	0.85	1.00	5.56E-02
rs1610093	19	4505774	C	T	0.78	0.68	0.89	2.98E-04	0.74	0.64	0.86	4.80E-05	0.92	0.80	1.05	2.25E-01
rs10426443	19	8017982	G	A	0.94	0.87	1.01	8.41E-02	0.91	0.84	0.98	1.75E-02	0.94	0.84	1.04	2.39E-01
rs10426377	19	53784046	A	C	1.15	1.08	1.23	1.10E-05	1.17	1.09	1.26	7.29E-06	0.96	0.91	1.01	1.10E-01
rs1360400	20	22909890	A	G	1.06	1.00	1.12	5.89E-02	1.03	0.97	1.10	2.91E-01	0.91	0.84	0.99	3.73E-02
rs172981	20	40543116	C	T	0.77	0.67	0.88	8.47E-05	0.76	0.66	0.88	1.28E-04	0.98	0.84	1.14	7.73E-01
rs17785895	20	47866466	G	A	0.86	0.78	0.94	6.29E-04	0.86	0.78	0.95	2.49E-03	0.82	0.72	0.93	1.75E-03
rs4925370	20	60300986	G	A	1.09	1.03	1.15	3.60E-03	1.07	1.01	1.14	2.14E-02	1.08	1.00	1.18	6.05E-02
rs3747081	22	19682120	A	G	1.22	1.12	1.34	6.81E-06	1.18	1.07	1.30	7.00E-04	0.97	0.85	1.11	6.75E-01
rs7287616	22	22259852	T	C	0.91	0.86	0.98	6.53E-03	0.90	0.84	0.97	4.41E-03	1.07	0.98	1.17	1.54E-01
rs5762347	22	26489672	A	G	1.04	0.98	1.10	2.57E-01	1.05	0.99	1.12	1.30E-01	1.01	0.92	1.10	8.88E-01

	EGCUT				GARP				RS1				RS2			
Marker	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1.16	0.88	1.54	3.00E-01	0.84	0.62	1.13	2.55E-01	0.96	0.85	1.09	5.42E-01	1.05	0.83	1.32	6.81E-01
rs1417066					0.92	0.73	1.16	4.84E-01	1.08	0.97	1.20	1.55E-01	1.05	0.87	1.27	6.09E-01
rs1629896	0.82	0.52	1.28	3.79E-01	1.14	0.82	1.58	4.50E-01	1.05	0.89	1.25	5.53E-01	0.97	0.67	1.41	8.92E-01
rs987179	1.00	0.77	1.30	9.94E-01	0.87	0.68	1.13	2.89E-01	1.00	0.89	1.12	9.90E-01	0.87	0.70	1.07	1.90E-01
rs1024816	1.00	0.68	1.49	9.83E-01	1.01	0.67	1.53	9.53E-01	1.02	0.85	1.22	8.54E-01	1.07	0.74	1.54	7.26E-01
rs3791679	0.86	0.66	1.12	2.58E-01	1.10	0.84	1.44	4.84E-01	1.03	0.91	1.16	6.19E-01	0.90	0.72	1.12	3.40E-01
rs10779958					1.02	0.74	1.42	8.98E-01	0.96	0.84	1.11	6.08E-01	1.00	0.76	1.32	9.76E-01
rs6754683	1.14	0.90	1.44	2.94E-01	1.16	0.92	1.47	2.10E-01	0.95	0.86	1.05	3.32E-01	0.85	0.70	1.02	8.69E-02
rs4622728	0.91	0.73	1.15	4.30E-01	1.01	0.80	1.28	9.28E-01	1.04	0.94	1.15	4.76E-01	0.97	0.80	1.17	7.65E-01
rs1432237	0.90	0.68	1.19	4.59E-01	1.07	0.81	1.42	6.24E-01	0.96	0.85	1.09	5.07E-01	1.04	0.83	1.31	7.13E-01
rs12618428					1.14	0.81	1.58	4.56E-01	1.02	0.88	1.19	7.84E-01	0.91	0.69	1.21	5.36E-01
rs6716254	1.12	0.88	1.44	3.57E-01	0.99	0.77	1.27	9.24E-01	1.02	0.91	1.14	7.08E-01	1.05	0.85	1.30	6.46E-01
rs6793234	1.30	0.91	1.85	1.52E-01	0.91	0.63	1.32	6.16E-01	0.88	0.74	1.05	1.47E-01	0.76	0.55	1.06	1.03E-01
rs11177	1.13	0.89	1.43	3.08E-01	1.00	0.79	1.27	9.95E-01	0.91	0.82	1.01	7.50E-02	0.92	0.76	1.12	4.13E-01
rs6976	1.13	0.89	1.42	3.10E-01	0.99	0.78	1.25	9.20E-01	0.91	0.82	1.01	7.70E-02	0.92	0.76	1.12	4.27E-01
rs10510816					0.80	0.63	1.01	5.19E-02	0.92	0.83	1.02	9.70E-02	1.05	0.87	1.27	6.01E-01
rs1355782	1.20	0.95	1.51	1.31E-01	1.27	1.00	1.61	5.05E-02	0.94	0.84	1.04	2.22E-01	1.03	0.85	1.25	7.86E-01
rs16851066					1.15	0.74	1.81	5.39E-01	0.92	0.75	1.14	4.70E-01	1.13	0.78	1.64	5.11E-01
rs9867979	1.28	0.73	2.25	3.93E-01	0.62	0.39	0.97	3.89E-02	0.98	0.82	1.18	8.53E-01	0.89	0.65	1.23	4.88E-01
rs12107036	1.04	0.82	1.31	7.41E-01	1.04	0.82	1.31	7.44E-01	0.98	0.88	1.08	6.52E-01	0.99	0.82	1.19	9.05E-01
rs16837352					1.26	0.94	1.69	1.18E-01	0.86	0.75	1.00	4.20E-02	0.99	0.76	1.29	9.55E-01
rs17578878	0.92	0.60	1.41	6.98E-01	0.70	0.48	1.04	7.18E-02	0.97	0.83	1.14	7.21E-01	1.11	0.83	1.48	4.81E-01
rs11725992	0.72	0.46	1.14	1.62E-01					1.01	0.84	1.22	8.80E-01	1.26	0.92	1.74	1.49E-01
rs6842739					0.93	0.72	1.22	6.10E-01	0.97	0.87	1.09	6.56E-01	0.89	0.72	1.09	2.65E-01
rs2626053	1.04	0.77	1.40	8.16E-01	0.87	0.64	1.17	3.48E-01	0.99	0.87	1.13	8.68E-01	1.05	0.83	1.33	6.80E-01
rs2636726	0.88	0.70	1.10	2.58E-01	0.92	0.73	1.16	4.71E-01	1.04	0.93	1.15	4.97E-01	0.84	0.69	1.01	6.74E-02
rs12500935					0.69	0.44	1.06	8.82E-02	0.98	0.82	1.16	7.87E-01	0.90	0.64	1.26	5.30E-01
rs1566347	1.27	1.00	1.63	5.14E-02	0.92	0.71	1.19	5.38E-01	0.97	0.87	1.08	5.46E-01	1.07	0.87	1.31	5.20E-01
rs4957048	1.04	0.76	1.42	8.04E-01	1.10	0.84	1.45	4.95E-01	0.91	0.81	1.03	1.49E-01	0.82	0.65	1.04	9.76E-02
rs1083523					0.77	0.61	0.98	2.90E-02	0.98	0.89	1.09	7.29E-01	1.05	0.87	1.27	6.11E-01
rs2610424	0.66	0.52	0.84	6.36E-04	0.92	0.73	1.16	4.62E-01	0.97	0.88	1.08	5.82E-01	1.01	0.83	1.22	9.38E-01
rs457008	0.99	0.79	1.24	9.18E-01	0.91	0.72	1.15	4.34E-01	0.94	0.85	1.04	2.63E-01	1.06	0.87	1.28	5.66E-01
rs10036746					0.94	0.63	1.39	7.46E-01	1.03	0.87	1.21	7.58E-01	1.04	0.76	1.43	8.09E-01
rs11135394					1.11	0.85	1.46	4.43E-01	1.06	0.94	1.19	3.69E-01	1.06	0.85	1.32	6.06E-01
rs12515798	0.99	0.73	1.33	9.30E-01	0.82	0.60	1.11	2.00E-01	1.03	0.90	1.17	6.76E-01	1.41	1.13	1.77	2.51E-03
rs10515550					0.96	0.76	1.22	7.52E-01	0.99	0.90	1.10	9.12E-01	1.25	1.04	1.51	1.64E-02
rs13167773					0.90	0.63	1.28	5.55E-01	1.04	0.89	1.20	6.29E-01	1.16	0.88	1.53	2.90E-01
rs10051783	0.87	0.63	1.20	3.93E-01	0.99	0.72	1.37	9.58E-01	0.93	0.80	1.07	2.90E-01	0.94	0.73	1.22	6.54E-01
rs10948172					1.04	0.81	1.34	7.61E-01	1.02	0.91	1.14	7.59E-01	1.13	0.92	1.40	2.36E-01
rs9350591	0.92	0.66	1.28	6.19E-01	0.91	0.63	1.32	6.27E-01	0.99	0.85	1.16	9.21E-01	1.12	0.83	1.50	4.68E-01
rs569731	0.84	0.60	1.19	3.22E-01	1.17	0.84	1.63	3.40E-01	0.90	0.77	1.05	1.92E-01	0.75	0.56	1.01	5.76E-02
rs10943837	0.98	0.76	1.26	8.78E-01	1.04	0.82	1.33	7.42E-01	1.07	0.95	1.19	2.62E-01	0.88	0.72	1.07	1.98E-01
rs2493984	1.16	0.91	1.49	2.35E-01	1.18	0.93	1.51	1.66E-01	1.02	0.91	1.14	7.25E-01	1.17	0.95	1.43	1.39E-01
rs7755798	1.08	0.79	1.47	6.29E-01	0.63	0.45	0.88	8.79E-03	0.85	0.74	0.97	1.60E-02	1.01	0.79	1.28	9.46E-01
rs2027532	0.96	0.75	1.24	7.81E-01	0.91	0.69	1.20	5.19E-01	1.07	0.95	1.20	2.92E-01	1.15	0.92	1.42	2.14E-01
rs6931833					0.92	0.70	1.21	5.57E-01	1.01	0.89	1.13	9.34E-01	1.12	0.91	1.38	2.99E-01
rs17627827					1.27	0.84	1.92	2.55E-01	0.94	0.77	1.15	5.59E-01	0.88	0.60	1.28	4.98E-01
rs6461679	0.91	0.72	1.14	4.11E-01	1.00	0.79	1.27	9.71E-01	0.97	0.88	1.08	6.13E-01	1.08	0.89	1.32	4.28E-01
rs7785659	1.25	0.92	1.69	1.49E-01	1.14	0.84	1.55	3.85E-01	1.12	0.97	1.28	1.31E-01	0.90	0.69	1.17	4.26E-01
rs7805536					1.24	0.93	1.66	1.36E-01	1.08	0.94	1.23	2.64E-01	0.84	0.65	1.09	1.95E-01
rs1859572	1.10	0.82	1.49	5.23E-01	0.94	0.71	1.25	6.95E-01	0.97	0.87	1.09	6.60E-01	0.88	0.70	1.10	2.59E-01
rs6466265					1.08	0.82	1.43	5.63E-01	0.97	0.86	1.10	6.66E-01	0.96	0.75	1.23	7.61E-01
rs1488517					0.96	0.74	1.24	7.41E-01	0.99	0.89	1.11	9.09E-01	1.07	0.87	1.33	5.07E-01
rs2966417	1.17	0.88	1.55	2.79E-01	1.03	0.78	1.36	8.43E-01	1.11	0.98	1.25	9.10E-02	0.91	0.72	1.14	4.02E-01
rs4841020	1.31	0.94	1.83	1.15E-01	0.74	0.53	1.04	8.25E-02	0.95	0.83	1.10	5.06E-01	1.18	0.92	1.50	1.85E-01
rs1876836	1.17	0.87	1.58	2.90E-01	0.87	0.66	1.15	3.13E-01	0.99	0.88	1.12	8.96E-01	1.13	0.91	1.41	2.68E-01
rs4841067	1.07	0.78	1.48	6.73E-01	1.14	0.83	1.57	4.04E-01	0.95	0.82	1.10	4.66E-01	0.90	0.68	1.18	4.45E-01
rs609792					1.12	0.85	1.49	4.13E-01	1.05	0.92	1.19	4.48E-01	0.98	0.78	1.25	8.92E-01
rs6997710	0.79	0.55	1.14	2.04E-01	1.05	0.72	1.52	7.99E-01	0.99	0.81	1.21	8.98E-01	1.33	0.94	1.88	1.05E-01
rs1421259					0.94	0.74	1.20	6.35E-01	0.99	0.90	1.10	9.07E-01	0.98	0.81	1.19	8.41E-01
rs2979715	0.94	0.70	1.25	6.50E-01	0.92	0.69	1.23	5.64E-01	0.96	0.84	1.08	4.94E-01	1.04	0.83	1.30	7.51E-01
rs2467753	0.88	0.66	1.19	4.14E-01	0.74	0.53	1.02	6.47E-02	0.97	0.85	1.11	7.00E-01	1.05	0.83	1.34	6.64E-01
rs2289496	1.10	0.86	1.39	4.49E-01	0.81	0.63	1.03	8.45E-02	0.96	0.86	1.06	4.27E-01	1.14	0.94	1.39	1.73E-01
rs16870112	1.35	0.81	2.23	2.50E-01	0.86	0.56	1.32	4.92E-01	1.14	0.95	1.36	1.52E-01	0.86	0.62	1.19	3.70E-01
rs10956114					1.01	0.79	1.29	9.15E-01	0.98	0.88	1.09	7.43E-01	1.25	1.04	1.52	2.05E-02
rs4072286	1.04	0.80	1.35	7.75E-01	0.96	0.76	1.22	7.48E-01	0.93	0.82	1.05	2.17E-01	0.93	0.77	1.12	4.49E-01
rs2146423					1.05	0.83	1.33	6.88E-01	0.93	0.84	1.04	2.06E-01	1.00	0.83	1.21	9.87E-01
rs945442	1.03	0.79	1.33	8.49E-01	1.15	0.89	1.50	2.85E-01	1.03	0.91	1.16	6.41E-01	1.02	0.81	1.27	8.87E-01
rs3780296	0.87	0.69	1.11	2.63E-01	1.02	0.80	1.28	9.02E-01	1.05	0.94	1.16	3.98E-01	1.12	0.92	1.36	2.54E-01
rs4072357	1.06	0.82	1.38	6.41E-01	1.05	0.83	1.32	6.92E-01	0.98	0.88	1.09	6.71E-01	1.36	1.12	1.65	1.78E-03
rs4836732	1.04	0.83	1.32	7.16E-01	0.89	0.70	1.12	3.12E-01	0.99	0.89	1.09	7.81E-01	0.94	0.78	1.14	5.45E-01
rs719535	1.02	0.79	1.32	8.55E-01	1.09	0.83	1.42	5.63E-01	1.02	0.91	1.15	7.05E-01	1.00	0.80	1.26	9.73E-01
rs2900277	1.02	0.78	1.33	8.90E-01	1.22	0.94	1.58	1.28E-01	0.93	0.83	1.05	2.60E-01	0.92	0.74	1.16	4.80E-01
rs2474714	1.03	0.82	1.31	7.89E-01	0.99	0.78	1.25	9.04E-01	1.07	0.97	1.19	1.79E-01	0.82	0.68	1.00	4.94E-02
rs9299558					1.08	0.86	1.36	5.07E-01	0.91	0.82	1.01	7.40E-02	1.01	0.84	1.21	9.51E-01
rs1250552					0.92	0.73	1.16	4.79E-01	1.01	0.91	1.11	9.22E-01	1.10	0.91	1.34	3.10E-01
rs787640					1.07	0.84	1.38	5.69E-01	0.95	0.84	1.06	3.48E-01	0.99	0.81	1.22	9.47E-01
rs11188412	0.87	0.56	1.35	5.23E-01	0.39	0.21	0.72	2.19E-03	0.90	0.73	1.11	3.25E-01	1.29	0.87	1.92	2.01E-01
rs4757420	1.01	0.77	1.32	9.28E-01	1.13	0.82	1.57	4.63E-01	0.95	0.83	1.10	5.06E-01	1.43	1.11	1.85	5.76E-03
rs7119797					0.92	0.73	1.15	4.53E-01	0.97	0.87	1.07	5.27E-01	1.04	0.86	1.25	7.00E-01
rs17159801					1.21	0.84	1.75	2.93E-01	0.81	0.68	0.96	1.60E-02	0.95	0.70	1.31	7.72E-01
rs2691829					0.97	0.77	1.23	8.06E-01	1.00	0.90	1.11	9.79E-01	0.73	0.60	0.89	2.00E-03
rs6589848					0.90	0.67	1.21	4.89E-01	1.02	0.90	1.16	7.48E-01	1.09	0.86	1.38	4.61E-01
rs7941193	0.98	0.73	1.33	9.15E-01	1.15	0.86	1.53	3.39E-01	1.00	0.87	1.14	9.72E-01	1.18	0.93	1.50	1.84E-01
rs7122854					1.13	0.85	1.49	4.18E-01	1.11	0.97	1.26	1.18E-01	0.83	0.65	1.06	1.32E-01
rs7305794					1.10	0.85	1.41	4.77E-01	1.04	0.93	1.16	4.84E-01	1.06	0.86	1.31	5.67E-01
rs10492367	0.96	0.72	1.29	7.84E-01	1.11	0.83	1.48	4.97E-01	1.03	0.91	1.17	6.65E-01	0.93	0.73	1.18	5.43E-01
rs6487684	1.23	0.96	1.58	1.03E-01	1.20	0.92	1.57	1.85E-01	0.98	0.87	1.11	7.48E-01	0.89	0.71	1.12	3.27E-01
rs1034762	0.96	0.71	1.30	7.90E-01	0.99	0.71	1.37	9.29E-01	1.05	0.91	1.20	4.99E-01	1.19	0.93	1.52	1.73E-01
rs11107957					1.04	0.81	1.34	7.65E-01	0.97	0.87	1.08	5.86E-01	0.78	0.62	0.97	2.52E-02
rs1404866					0.76	0.56	1.02	6.18E-02	1.03	0.92	1.17	5.91E-01	1.17	0.94	1.46	1.59E-01
rs11107219					0.96	0.61	1.50	8.53E-01	1.06	0.86	1.29	5.98E-01	0.83	0.57	1.20	3.11E-01
rs835487	0.95	0.74	1.23	7.08E-01	1.24	0.97	1.58	7.68E-02	0.95	0.86	1.06	3.85E-01	0.86	0.70	1.05	1.28E-01
rs11064722	1.00	0.73	1.36	9.96E-01	0.72	0.52	0.99	3.97E-02	0.96	0.85	1.09	5.62E-01	1.15	0.91	1.45	2.38E-01
rs4544137	0.79	0.46	1.34	3.76E-01	0.49	0.25	0.94	2.77E-02	0.91	0.73	1.14	4.21E-01	0.97	0.65	1.46	8.91E-01
rs7994526	0.99	0.51	1.91	9.75E-01	0.58	0.32	1.04	5.69E-02	0.96	0.77	1.18	6.78E-01	1.14	0.78	1.66	5.10E-01
rs2036717	1.10	0.73	1.64	6.52E-01	0.85	0.57	1.27	4.30E-01	0.94	0.80	1.11	4.76E-01	1.06	0.78	1.45	7.00E-01
rs9520058					0.89	0.69	1.13	3.44E-01	0.99	0.89	1.10	8.64E-01	1.07	0.88	1.30	5.03E-01
rs8015303	1.07	0.67	1.72	7.84E-01	0.93	0.60	1.45	7.69E-01	0.90	0.73	1.09	2.80E-01	0.94	0.66	1.34	7.24E-01
rs1627411	1.10	0.79	1.55	5.63E-01	1.14	0.86	1.52	3.62E-01	0.88	0.78	1.01	6.80E-02	0.77	0.60	0.98	3.77E-02
rs7155791	1.28	0.91	1.79	1.56E-01	0.78	0.53	1.16	2.16E-01	1.10	0.95	1.28	1.98E-01	0.89	0.67	1.19	4.42E-01
rs1998094	1.15	0.82	1.62	4.09E-01	1.00	0.70	1.42	9.90E-01	1.16	0.99	1.36	5.90E-02	0.74	0.55	0.99	4.63E-02
rs10144429	1.07	0.84	1.36	6.07E-01	0.92	0.72	1.18	5.01E-01	0.99	0.89	1.11	9.06E-01	0.91	0.74	1.11	3.48E-01
rs11634255					1.02	0.81	1.28	8.86E-01	1.03	0.93	1.14	6.00E-01	0.99	0.82	1.19	8.78E-01
rs4646626	0.99	0.78	1.25	9.18E-01	0.97	0.77	1.22	7.67E-01	1.02	0.92	1.14	6.46E-01	1.01	0.83	1.22	9.43E-01
rs8032755					0.94	0.74	1.19	6.12E-01	0.99	0.89	1.10	7.86E-01	0.88	0.73	1.07	2.11E-01
rs2908646					0.95	0.76	1.20	6.86E-01	1.06	0.96	1.18	2.31E-01	0.84	0.70	1.01	7.05E-02
rs12596722					0.69	0.53	0.89	3.77E-03	1.06	0.95	1.18	2.93E-01	0.93	0.76	1.14	4.67E-01
rs12923310					1.32	1.05	1.68	1.87E-02	0.92	0.83	1.02	1.30E-01	1.01	0.83	1.24	9.09E-01
rs8044769	0.78	0.61	0.98	3.21E-02	0.91	0.72	1.15	4.39E-01	0.99	0.90	1.10	9.00E-01	0.92	0.76	1.11	3.75E-01
rs9937815					1.21	0.95	1.55	1.14E-01	0.97	0.87	1.08	5.97E-01	1.04	0.85	1.27	6.76E-01
rs7404629	1.24	0.92	1.67	1.67E-01	1.02	0.77	1.34	9.03E-01	1.17	1.03	1.32	1.40E-02	1.14	0.91	1.43	2.56E-01
rs16947129					1.12	0.83	1.51	4.49E-01	1.03	0.90	1.18	6.40E-01	1.02	0.79	1.30	8.94E-01
rs4078062	1.02	0.71	1.47	9.13E-01	0.79	0.52	1.20	2.62E-01	1.08	0.92	1.27	3.65E-01	0.87	0.65	1.18	3.78E-01
rs8080960	0.96	0.76	1.21	7.30E-01	1.41	1.12	1.78	3.83E-03	0.98	0.89	1.09	7.50E-01	1.05	0.87	1.27	5.79E-01
rs11665347					1.32	1.03	1.69	3.00E-02	1.08	0.96	1.21	2.04E-01	1.00	0.81	1.23	9.84E-01
rs12454396	0.81	0.63	1.04	1.04E-01	0.81	0.63	1.04	9.37E-02	1.03	0.93	1.15	5.35E-01	1.00	0.82	1.22	9.96E-01
rs17089382					0.83	0.57	1.22	3.45E-01	0.90	0.77	1.05	1.92E-01	0.80	0.59	1.08	1.47E-01
rs12974139					1.08	0.86	1.37	4.94E-01	0.90	0.81	1.00	5.30E-02	1.07	0.89	1.29	4.69E-01
rs1610093	0.93	0.59	1.48	7.66E-01	1.39	0.96	2.01	7.11E-02	1.04	0.86	1.26	6.86E-01	0.75	0.53	1.06	1.01E-01
rs10426443	0.98	0.73	1.30	8.82E-01	1.46	1.10	1.94	1.12E-02	1.00	0.87	1.14	9.74E-01	0.90	0.70	1.17	4.38E-01
rs10426377					0.99	0.75	1.29	9.27E-01	1.09	0.96	1.23	1.95E-01	1.16	0.93	1.44	1.86E-01
rs1360400	1.05	0.83	1.33	6.72E-01	1.05	0.83	1.32	6.94E-01	1.09	0.99	1.21	9.00E-02	0.97	0.80	1.17	7.34E-01
rs172981	0.64	0.43	0.96	3.20E-02	0.71	0.45	1.13	1.48E-01	1.12	0.94	1.34	2.21E-01	1.06	0.76	1.49	7.26E-01
rs17785895	1.28	0.83	1.96	2.65E-01	0.86	0.59	1.24	3.83E-01	0.95	0.81	1.12	5.70E-01	1.09	0.81	1.46	5.62E-01
rs4925370					1.10	0.87	1.38	4.40E-01	1.04	0.94	1.15	4.84E-01	0.98	0.81	1.19	8.57E-01
rs3747081	1.01	0.73	1.39	9.56E-01	0.71	0.48	1.05	8.79E-02	1.04	0.89	1.22	6.34E-01	0.92	0.68	1.24	5.78E-01
rs7287616	0.97	0.59	1.60	9.14E-01	1.01	0.77	1.32	9.41E-01	1.00	0.89	1.13	9.56E-01	0.99	0.79	1.23	9.06E-01
rs5762347					1.27	1.00	1.62	5.14E-02	0.96	0.86	1.09	5.60E-01	0.82	0.67	1.01	6.59E-02

	TwinsUK				UK replication				TJR UK replication				Meta arcOGEN insilico denovo fixed					
Marker	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	q_p	i2
rs1854169	0.77	0.55	1.08	1.26E-01									0.95	0.90	0.99	2.74E-02	1.73E-01	0.334
rs1417066	1.19	0.89	1.59	2.47E-01	1.07	0.90	1.27	4.33E-01	1.07	0.90	1.27	4.49E-01	1.08	1.04	1.12	1.19E-04	5.98E-01	0.000
rs1629896	0.69	0.42	1.11	1.26E-01									1.04	0.97	1.11	2.99E-01	2.98E-01	0.173
rs987179	1.09	0.80	1.49	5.92E-01									0.94	0.90	0.98	7.75E-03	2.56E-02	0.583
rs1024816	1.13	0.71	1.81	6.05E-01									1.11	1.03	1.20	6.11E-03	6.19E-01	0.000
rs3791679	0.83	0.59	1.17	2.99E-01									0.99	0.94	1.04	6.23E-01	1.82E-01	0.323
rs10779958	1.11	0.73	1.67	6.32E-01									1.06	1.01	1.13	2.58E-02	2.58E-01	0.235
rs6754683	1.07	0.81	1.41	6.38E-01									1.00	0.96	1.04	9.85E-01	3.21E-01	0.142
rs4622728	1.00	0.76	1.33	9.79E-01									0.95	0.91	0.98	5.88E-03	1.45E-01	0.371
rs1432237	0.94	0.67	1.31	7.07E-01									1.01	0.96	1.06	6.94E-01	9.07E-01	0.000
rs12618428	0.88	0.54	1.46	6.33E-01									0.96	0.91	1.02	2.16E-01	6.51E-02	0.518
rs6716254	1.06	0.77	1.45	7.21E-01									0.96	0.92	1.01	8.98E-02	9.87E-02	0.438
rs6793234	1.61	1.04	2.49	3.29E-02									0.96	0.90	1.02	2.05E-01	8.56E-02	0.459
rs11177	1.22	0.90	1.66	1.95E-01	0.90	0.76	1.07	2.39E-01	0.91	0.77	1.09	3.01E-01	1.07	1.03	1.12	4.61E-04	1.92E-03	0.692
rs6976	1.22	0.90	1.66	1.95E-01	0.91	0.77	1.08	3.00E-01	0.92	0.78	1.10	3.73E-01	1.07	1.03	1.11	5.80E-04	2.39E-03	0.684
rs10510816	1.09	0.83	1.43	5.45E-01									0.92	0.89	0.96	1.25E-04	3.51E-01	0.101
rs1355782	0.99	0.73	1.33	9.30E-01									0.99	0.95	1.03	6.50E-01	2.79E-03	0.700
rs16851066	1.13	0.64	1.97	6.78E-01									1.16	1.07	1.25	3.89E-04	1.54E-01	0.378
rs9867979	1.37	0.80	2.34	2.50E-01									1.07	0.99	1.17	9.43E-02	2.43E-02	0.587
rs12107036	1.03	0.78	1.37	8.16E-01	0.83	0.70	0.98	3.03E-02	0.80	0.67	0.95	1.22E-02	0.92	0.89	0.96	5.70E-05	2.11E-01	0.273
rs16837352	0.72	0.45	1.13	1.51E-01									1.01	0.97	1.06	6.45E-01	7.63E-06	0.841
rs17578878	1.08	0.71	1.66	7.10E-01									0.91	0.86	0.97	4.54E-03	2.02E-01	0.296
rs11725992	0.74	0.42	1.28	2.80E-01									0.90	0.83	0.97	6.98E-03	5.11E-02	0.546
rs6842739	0.97	0.72	1.31	8.38E-01									0.92	0.87	0.97	1.16E-03	5.50E-01	0.000
rs2626053	1.10	0.77	1.56	6.04E-01									0.94	0.89	0.99	3.24E-02	2.37E-01	0.251
rs2636726	1.02	0.76	1.35	9.14E-01									1.03	0.99	1.08	1.75E-01	2.81E-04	0.764
rs12500935	1.22	0.76	1.96	4.12E-01									1.11	1.04	1.19	2.35E-03	3.30E-02	0.588
rs1566347	1.00	0.75	1.34	9.76E-01									0.96	0.92	1.00	4.71E-02	1.02E-03	0.732
rs4957048	1.02	0.73	1.42	9.19E-01	0.91	0.74	1.11	3.46E-01	0.88	0.72	1.08	2.28E-01	0.96	0.92	1.01	8.38E-02	4.89E-01	0.000
rs1083523	1.00	0.74	1.35	9.85E-01									1.02	0.98	1.07	2.84E-01	1.42E-05	0.834
rs2610424	1.13	0.84	1.51	4.19E-01									1.05	1.01	1.09	2.68E-02	8.52E-04	0.737
rs457008	1.15	0.86	1.53	3.51E-01									0.96	0.92	1.00	3.71E-02	6.89E-01	0.000
rs10036746	1.13	0.70	1.81	6.25E-01									1.03	0.96	1.11	3.69E-01	9.87E-01	0.000
rs11135394	0.55	0.39	0.78	7.72E-04									0.93	0.88	0.99	1.37E-02	1.90E-04	0.794
rs12515798	1.20	0.84	1.70	3.10E-01									1.09	1.03	1.16	3.35E-03	3.85E-02	0.549
rs10515550	0.98	0.75	1.28	8.94E-01									1.00	0.96	1.04	9.73E-01	2.72E-01	0.214
rs13167773	1.41	0.86	2.32	1.72E-01									0.95	0.90	1.00	3.95E-02	4.85E-03	0.703
rs10051783	0.80	0.53	1.21	2.88E-01									1.06	1.00	1.12	5.15E-02	5.06E-02	0.522
rs10948172	0.84	0.62	1.14	2.60E-01	0.98	0.82	1.18	8.46E-01	1.00	0.82	1.20	9.62E-01	1.05	1.01	1.10	2.48E-02	7.04E-01	0.000
rs9350591	1.26	0.81	1.97	3.09E-01	1.06	0.82	1.38	6.53E-01	1.11	0.85	1.45	4.33E-01	1.05	0.99	1.11	1.14E-01	8.94E-01	0.000
rs569731	1.03	0.69	1.54	8.87E-01									0.91	0.85	0.97	2.35E-03	1.30E-01	0.392
rs10943837	0.73	0.54	1.00	4.75E-02									1.00	0.96	1.04	9.37E-01	1.27E-01	0.397
rs2493984	0.89	0.66	1.20	4.54E-01	0.84	0.70	1.01	5.91E-02	0.84	0.70	1.01	5.89E-02	1.09	1.05	1.14	3.13E-05	4.55E-02	0.512
rs7755798	0.95	0.65	1.40	7.96E-01									0.99	0.94	1.05	7.69E-01	6.19E-03	0.667
rs2027532	1.09	0.78	1.51	6.13E-01									0.99	0.94	1.04	6.10E-01	4.84E-01	0.000
rs6931833	0.93	0.66	1.30	6.72E-01									0.97	0.93	1.02	2.07E-01	7.61E-01	0.000
rs17627827	0.62	0.30	1.30	2.03E-01									0.95	0.81	1.12	5.43E-01	3.40E-01	0.106
rs6461679	0.89	0.67	1.18	4.10E-01									0.92	0.89	0.96	1.32E-04	4.14E-01	0.013
rs7785659	0.96	0.64	1.44	8.48E-01	0.84	0.67	1.07	1.58E-01	0.84	0.66	1.07	1.46E-01	1.02	0.96	1.07	5.93E-01	2.39E-01	0.239
rs7805536	0.85	0.57	1.26	4.18E-01	0.83	0.67	1.04	9.75E-02	0.81	0.65	1.02	6.72E-02	0.99	0.94	1.04	6.68E-01	1.97E-01	0.302
rs1859572	0.73	0.53	1.02	6.45E-02									1.07	1.02	1.12	5.97E-03	1.48E-02	0.621
rs6466265	0.81	0.58	1.13	2.09E-01	0.95	0.76	1.19	6.70E-01	0.96	0.77	1.21	7.49E-01	1.07	1.02	1.13	4.43E-03	1.09E-01	0.422
rs1488517	1.02	0.73	1.42	9.12E-01									1.08	1.03	1.13	3.48E-03	2.51E-01	0.244
rs2966417	1.13	0.80	1.58	4.93E-01									0.96	0.91	1.00	7.82E-02	5.97E-03	0.669
rs4841020	1.23	0.84	1.80	2.91E-01									0.90	0.86	0.95	1.05E-04	6.66E-03	0.664
rs1876836	1.01	0.73	1.40	9.57E-01	0.95	0.78	1.16	6.29E-01	0.97	0.79	1.19	7.62E-01	0.91	0.87	0.95	5.80E-05	4.85E-02	0.505
rs4841067	1.25	0.84	1.86	2.81E-01									0.90	0.85	0.95	2.94E-04	1.31E-01	0.391
rs609792	0.70	0.49	0.99	4.22E-02									1.06	1.01	1.11	1.90E-02	3.54E-02	0.582
rs6997710	1.42	0.85	2.36	1.82E-01									1.17	1.09	1.25	1.03E-05	1.21E-01	0.405
rs1421259	1.21	0.90	1.63	2.11E-01									1.00	0.96	1.05	8.75E-01	4.24E-01	0.000
rs2979715	1.04	0.74	1.46	8.22E-01									1.04	0.99	1.10	1.48E-01	2.57E-02	0.583
rs2467753	1.16	0.81	1.67	4.10E-01									1.04	0.98	1.10	2.37E-01	7.27E-04	0.742
rs2289496	1.20	0.87	1.65	2.58E-01									0.95	0.91	0.99	8.05E-03	4.75E-02	0.529
rs16870112	0.89	0.55	1.44	6.27E-01									1.10	1.03	1.18	7.09E-03	2.69E-01	0.211
rs10956114	1.10	0.82	1.49	5.22E-01									0.96	0.92	1.01	1.41E-01	8.94E-04	0.759
rs4072286	1.14	0.84	1.57	3.99E-01									1.07	1.02	1.11	2.37E-03	1.02E-03	0.732
rs2146423	0.89	0.65	1.22	4.63E-01									0.95	0.91	0.99	8.78E-03	5.26E-02	0.543
rs945442	1.23	0.89	1.70	2.09E-01									1.04	0.99	1.09	1.05E-01	7.60E-01	0.000
rs3780296	0.94	0.70	1.25	6.56E-01									1.01	0.97	1.06	5.33E-01	1.96E-01	0.304
rs4072357	0.95	0.71	1.27	7.45E-01									0.96	0.92	1.01	8.17E-02	5.81E-05	0.794
rs4836732	0.99	0.75	1.30	9.18E-01	1.22	1.03	1.45	2.42E-02	1.25	1.05	1.48	1.36E-02	1.07	1.03	1.12	3.22E-04	1.24E-01	0.383
rs719535	1.13	0.83	1.54	4.43E-01	1.19	0.97	1.45	8.83E-02	1.19	0.97	1.46	8.65E-02	1.10	1.05	1.16	1.38E-04	6.43E-01	0.000
rs2900277	1.18	0.86	1.63	3.01E-01	0.94	0.77	1.14	5.08E-01	0.94	0.77	1.15	5.43E-01	0.94	0.90	0.98	5.80E-03	4.27E-01	0.002
rs2474714	0.79	0.59	1.05	1.02E-01									0.93	0.89	0.98	2.51E-03	9.61E-03	0.645
rs9299558	1.10	0.83	1.44	5.08E-01									0.97	0.93	1.01	1.85E-01	6.38E-01	0.000
rs1250552	0.88	0.65	1.17	3.69E-01									1.07	1.02	1.12	5.13E-03	3.22E-02	0.590
rs787640	1.08	0.79	1.47	6.31E-01									1.05	1.00	1.10	5.11E-02	3.92E-01	0.039
rs11188412	1.50	0.76	2.95	2.44E-01	0.95	0.66	1.37	7.93E-01	0.95	0.66	1.38	7.93E-01	0.91	0.84	0.99	2.59E-02	6.13E-02	0.481
rs4757420	1.14	0.76	1.69	5.32E-01									0.92	0.87	0.97	1.31E-03	2.28E-03	0.707
rs7119797	1.10	0.82	1.47	5.42E-01									0.96	0.92	1.00	4.12E-02	1.49E-02	0.646
rs17159801	0.95	0.58	1.57	8.43E-01									1.08	1.01	1.14	1.93E-02	1.53E-02	0.644
rs2691829	0.84	0.63	1.12	2.26E-01									1.04	1.00	1.08	7.23E-02	1.33E-03	0.748
rs6589848	1.07	0.75	1.52	7.27E-01									0.94	0.89	0.99	1.62E-02	3.30E-01	0.132
rs7941193	0.92	0.64	1.31	6.32E-01	1.03	0.82	1.29	7.85E-01	1.00	0.79	1.26	9.96E-01	1.07	1.02	1.13	8.29E-03	3.12E-01	0.150
rs7122854	1.10	0.78	1.57	5.84E-01									1.00	0.95	1.05	9.03E-01	2.07E-01	0.304
rs7305794	0.85	0.62	1.17	3.19E-01									1.09	1.04	1.14	3.24E-04	1.12E-01	0.441
rs10492367	1.33	0.90	1.97	1.50E-01	1.18	0.95	1.47	1.42E-01	1.21	0.97	1.52	9.26E-02	1.06	1.01	1.11	2.51E-02	4.38E-01	0.000
rs6487684	0.76	0.53	1.08	1.22E-01									1.06	1.01	1.11	1.96E-02	9.62E-02	0.442
rs1034762	1.07	0.71	1.62	7.44E-01									1.01	0.96	1.07	7.20E-01	7.57E-01	0.000
rs11107957	0.86	0.60	1.22	4.03E-01									1.05	1.00	1.10	6.89E-02	6.35E-05	0.813
rs1404866	1.03	0.73	1.45	8.69E-01									1.07	1.02	1.12	5.55E-03	1.72E-01	0.353
rs11107219	0.86	0.46	1.60	6.24E-01									1.08	0.99	1.18	9.76E-02	6.15E-03	0.692
rs835487	1.13	0.85	1.49	4.12E-01	1.18	0.99	1.41	7.21E-02	1.15	0.96	1.39	1.28E-01	1.05	1.01	1.09	1.88E-02	6.53E-02	0.473
rs11064722	1.16	0.80	1.69	4.28E-01									1.06	1.01	1.11	2.03E-02	9.03E-02	0.451
rs4544137	0.76	0.42	1.40	3.87E-01									0.83	0.75	0.91	1.44E-04	2.62E-01	0.220
rs7994526	0.96	0.53	1.73	8.80E-01									0.90	0.82	0.98	1.95E-02	5.07E-03	0.676
rs2036717	1.15	0.70	1.89	5.83E-01									1.06	0.98	1.15	1.32E-01	2.62E-01	0.219
rs9520058	1.14	0.86	1.52	3.69E-01									0.96	0.92	1.00	4.05E-02	3.66E-01	0.079
rs8015303	0.70	0.38	1.27	2.37E-01									1.03	0.94	1.13	5.38E-01	1.88E-02	0.605
rs1627411	0.90	0.63	1.29	5.55E-01									0.93	0.88	0.99	1.55E-02	6.69E-03	0.663
rs7155791	1.28	0.84	1.96	2.51E-01									1.00	0.94	1.06	9.71E-01	2.44E-01	0.242
rs1998094	1.92	1.19	3.09	7.18E-03									1.14	1.06	1.22	4.08E-04	2.03E-03	0.711
rs10144429	0.97	0.71	1.31	8.21E-01									1.01	0.96	1.06	7.49E-01	2.28E-02	0.592
rs11634255	1.02	0.77	1.37	8.75E-01									0.99	0.95	1.03	7.19E-01	8.61E-01	0.000
rs4646626	1.00	0.75	1.34	9.79E-01									1.02	0.98	1.06	4.09E-01	5.48E-01	0.000
rs8032755	0.90	0.64	1.26	5.35E-01	1.10	0.93	1.31	2.65E-01	1.09	0.91	1.30	3.57E-01	0.96	0.92	0.99	2.57E-02	6.84E-01	0.000
rs2908646	1.35	1.01	1.79	3.97E-02									1.01	0.97	1.05	6.20E-01	1.02E-01	0.455
rs12596722	1.09	0.81	1.46	5.84E-01									1.04	0.99	1.08	9.02E-02	2.58E-03	0.727
rs12923310	1.33	0.98	1.79	6.41E-02									0.98	0.94	1.02	2.37E-01	3.16E-02	0.592
rs8044769	1.21	0.91	1.62	1.87E-01	1.28	1.08	1.52	4.20E-03	1.28	1.07	1.52	6.14E-03	0.90	0.87	0.94	6.85E-08	5.57E-05	0.776
rs9937815	1.24	0.92	1.67	1.56E-01									1.06	1.01	1.10	8.68E-03	2.84E-01	0.199
rs7404629	1.14	0.81	1.60	4.55E-01									0.97	0.93	1.02	2.63E-01	1.32E-04	0.780
rs16947129	1.12	0.76	1.65	5.66E-01									1.09	1.03	1.16	3.52E-03	8.69E-02	0.480
rs4078062	1.04	0.70	1.56	8.40E-01									1.09	1.02	1.16	1.05E-02	1.47E-01	0.369
rs8080960	0.98	0.74	1.30	8.81E-01									1.06	1.02	1.11	2.51E-03	3.53E-02	0.557
rs11665347	1.18	0.87	1.62	2.92E-01									0.96	0.91	1.00	4.85E-02	7.65E-03	0.682
rs12454396	0.74	0.55	1.01	5.61E-02									0.92	0.88	0.96	4.08E-04	8.80E-03	0.650
rs17089382	0.59	0.37	0.93	2.48E-02									0.98	0.92	1.04	5.54E-01	3.52E-02	0.582
rs12974139	1.04	0.78	1.40	7.72E-01	1.05	0.88	1.24	5.98E-01	1.07	0.90	1.27	4.56E-01	0.95	0.92	0.99	1.61E-02	4.22E-01	0.002
rs1610093	1.09	0.68	1.74	7.27E-01									0.90	0.83	0.97	9.02E-03	3.21E-02	0.565
rs10426443	0.88	0.62	1.25	4.67E-01									0.96	0.91	1.01	1.07E-01	1.34E-01	0.387
rs10426377	0.99	0.67	1.45	9.44E-01									1.04	1.00	1.08	4.36E-02	6.39E-04	0.768
rs1360400	1.16	0.87	1.55	3.08E-01									1.03	0.99	1.07	2.01E-01	9.34E-02	0.447
rs172981	1.17	0.66	2.08	5.94E-01									0.90	0.83	0.98	1.40E-02	5.88E-03	0.669
rs17785895	0.96	0.61	1.51	8.63E-01									0.88	0.83	0.94	4.90E-05	2.62E-01	0.219
rs4925370	0.85	0.64	1.13	2.62E-01	1.13	0.95	1.34	1.66E-01	1.12	0.94	1.34	1.95E-01	1.07	1.03	1.11	5.10E-04	6.20E-01	0.000
rs3747081	1.07	0.68	1.67	7.68E-01									1.09	1.03	1.16	4.57E-03	1.39E-02	0.624
rs7287616	1.12	0.81	1.56	4.89E-01									0.97	0.93	1.02	2.60E-01	1.92E-01	0.310
rs5762347	0.83	0.62	1.12	2.23E-01	1.17	0.97	1.40	9.61E-02	1.15	0.95	1.38	1.47E-01	1.02	0.97	1.06	4.39E-01	4.79E-02	0.528

Meta arcOGEN insilico denovo random						Meta insilico denovo fixed						Meta insilico denovo random						Meta TJR arcOGEN insilico denovo fixed						Meta TJR arcOGEN insilico denovo random						Meta TJR insilico denovo fixed						Meta TJR insilico denovo random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.96	0.89	1.03	2.21E-01	1.73E-01	0.334	0.99	0.93	1.06	7.82E-01	3.68E-01	0.076	0.99	0.92	1.06	7.58E-01	3.68E-01	0.076	0.95	0.89	1.00	7.09E-02	5.47E-02	0.729	0.96	0.85	1.08	4.64E-01	5.47E-02	0.729	1.02	0.93	1.13	6.83E-01	1.00E+00	na	1.02	0.93	1.13	6.83E-01	1.00E+00	na
1.08	1.04	1.12	1.19E-04	5.98E-01	0.000	1.05	0.99	1.11	8.53E-02	7.94E-01	0.000	1.05	0.99	1.11	8.53E-02	7.94E-01	0.000	1.10	1.05	1.15	9.98E-05	1.51E-01	0.472	1.09	1.01	1.17	2.20E-02	1.51E-01	0.472	1.04	0.97	1.12	2.91E-01	7.26E-01	0.000	1.04	0.97	1.12	2.91E-01	7.26E-01	0.000
1.02	0.94	1.12	5.92E-01	2.98E-01	0.173	0.98	0.89	1.08	6.68E-01	4.94E-01	0.000	0.98	0.89	1.08	6.68E-01	4.94E-01	0.000	1.03	0.94	1.12	5.68E-01	1.95E-01	0.405	1.02	0.90	1.15	7.76E-01	1.95E-01	0.405	0.94	0.81	1.10	4.65E-01	1.00E+00	na	0.94	0.81	1.10	4.65E-01	1.00E+00	na
0.96	0.88	1.04	3.43E-01	2.56E-02	0.583	1.01	0.95	1.08	7.30E-01	4.70E-01	0.000	1.01	0.95	1.08	7.30E-01	4.70E-01	0.000	0.92	0.88	0.98	4.38E-03	1.95E-04	0.928	0.95	0.77	1.17	6.35E-01	1.95E-04	0.928	1.06	0.97	1.16	2.04E-01	1.00E+00	na	1.06	0.97	1.16	2.04E-01	1.00E+00	na
1.11	1.03	1.20	6.11E-03	6.19E-01	0.000	1.02	0.92	1.14	7.09E-01	9.98E-01	0.000	1.02	0.92	1.14	7.09E-01	9.98E-01	0.000	1.18	1.07	1.29	7.16E-04	4.73E-02	0.746	1.13	0.91	1.40	2.58E-01	4.73E-02	0.746	1.00	0.83	1.20	9.97E-01	1.00E+00	0.000	1.00	0.83	1.20	9.97E-01	1.00E+00	0.000
0.99	0.92	1.06	8.11E-01	1.82E-01	0.323	1.03	0.96	1.10	4.40E-01	2.65E-01	0.224	1.01	0.93	1.10	7.76E-01	2.65E-01	0.224	1.01	0.95	1.07	7.54E-01	5.73E-02	0.723	1.03	0.91	1.16	6.76E-01	5.73E-02	0.723	1.10	0.99	1.22	8.08E-02	1.00E+00	na	1.10	0.99	1.22	8.08E-02	1.00E+00	na
1.05	0.98	1.13	1.81E-01	2.58E-01	0.235	0.99	0.92	1.08	8.93E-01	9.63E-01	0.000	0.99	0.92	1.08	8.93E-01	9.63E-01	0.000	1.07	1.00	1.15	4.18E-02	1.56E-01	0.502	1.07	0.97	1.18	2.03E-01	1.56E-01	0.502	1.01	0.90	1.13	9.04E-01	1.00E+00	na	1.01	0.90	1.13	9.04E-01	1.00E+00	na
1.00	0.95	1.05	9.74E-01	3.21E-01	0.142	0.99	0.94	1.05	7.27E-01	2.42E-01	0.257	0.99	0.92	1.07	8.70E-01	2.42E-01	0.257	1.00	0.95	1.05	9.89E-01	8.86E-01	0.000	1.00	0.95	1.05	9.89E-01	8.86E-01	0.000	1.01	0.92	1.09	9.01E-01	1.00E+00	na	1.01	0.92	1.09	9.01E-01	1.00E+00	na
0.96	0.91	1.02	2.28E-01	1.45E-01	0.371	1.00	0.95	1.06	9.37E-01	9.34E-01	0.000	1.00	0.95	1.06	9.37E-01	9.34E-01	0.000	0.93	0.89	0.98	4.09E-03	5.31E-02	0.733	0.94	0.85	1.04	2.33E-01	5.31E-02	0.733	0.99	0.91	1.08	8.99E-01	1.00E+00	na	0.99	0.91	1.08	8.99E-01	1.00E+00	na
1.01	0.96	1.06	6.94E-01	9.07E-01	0.000	0.99	0.92	1.06	7.48E-01	9.23E-01	0.000	0.99	0.92	1.06	7.48E-01	9.23E-01	0.000	1.01	0.95	1.07	7.92E-01	9.78E-01	0.000	1.01	0.95	1.07	7.92E-01	9.78E-01	0.000	1.01	0.90	1.12	8.97E-01	1.00E+00	na	1.01	0.90	1.12	8.97E-01	1.00E+00	na
0.99	0.89	1.10	8.17E-01	6.51E-02	0.518	1.05	0.97	1.15	2.49E-01	6.70E-01	0.000	1.05	0.97	1.15	2.49E-01	6.70E-01	0.000	0.97	0.90	1.04	3.80E-01	9.73E-03	0.850	0.99	0.81	1.21	9.45E-01	9.73E-03	0.850	1.11	0.98	1.25	1.18E-01	1.00E+00	na	1.11	0.98	1.25	1.18E-01	1.00E+00	na
0.99	0.93	1.07	8.67E-01	9.87E-02	0.438	1.03	0.97	1.10	2.79E-01	9.85E-01	0.000	1.03	0.97	1.10	2.79E-01	9.85E-01	0.000	0.95	0.90	1.00	7.28E-02	2.98E-02	0.788	0.97	0.86	1.09	5.93E-01	2.98E-02	0.788	1.03	0.94	1.13	4.75E-01	1.00E+00	na	1.03	0.94	1.13	4.75E-01	1.00E+00	na
0.97	0.87	1.08	5.82E-01	8.56E-02	0.459	0.96	0.88	1.05	3.75E-01	4.96E-02	0.549	0.99	0.84	1.16	8.84E-01	4.96E-02	0.549	0.93	0.86	1.01	9.47E-02	5.45E-01	0.000	0.93	0.86	1.01	9.47E-02	5.45E-01	0.000	0.97	0.85	1.10	6.00E-01	1.00E+00	na	0.97	0.85	1.10	6.00E-01	1.00E+00	na
1.03	0.94	1.12	5.01E-01	1.92E-03	0.692	1.01	0.95	1.06	7.82E-01	5.63E-02	0.511	1.00	0.92	1.10	9.65E-01	5.63E-02	0.511	1.12	1.07	1.18	3.23E-06	2.84E-02	0.719	1.08	0.97	1.20	1.43E-01	2.84E-02	0.719	1.06	0.98	1.14	1.52E-01	6.37E-02	0.709	1.02	0.85	1.21	8.59E-01	6.37E-02	0.709
1.03	0.94	1.12	5.08E-01	2.39E-03	0.684	1.00	0.95	1.06	8.74E-01	8.82E-02	0.455	1.00	0.92	1.09	9.97E-01	8.82E-02	0.455	1.12	1.07	1.17	5.60E-06	3.23E-02	0.709	1.08	0.98	1.20	1.36E-01	3.23E-02	0.709	1.05	0.97	1.14	1.99E-01	1.06E-01	0.617	1.02	0.88	1.19	8.01E-01	1.06E-01	0.617
0.93	0.88	0.97	1.07E-03	3.51E-01	0.101	0.94	0.89	1.00	5.23E-02	3.32E-01	0.129	0.94	0.88	1.01	9.33E-02	3.32E-01	0.129	0.92	0.88	0.97	2.03E-03	5.08E-01	0.000	0.92	0.88	0.97	2.03E-03	5.08E-01	0.000	0.95	0.87	1.03	2.13E-01	1.00E+00	na	0.95	0.87	1.03	2.13E-01	1.00E+00	na
1.04	0.94	1.14	4.61E-01	2.79E-03	0.700	1.06	1.00	1.13	4.26E-02	1.06E-01	0.450	1.07	0.97	1.17	1.64E-01	1.06E-01	0.450	0.99	0.94	1.04	7.14E-01	1.11E-03	0.906	1.01	0.85	1.20	8.76E-01	1.11E-03	0.906	1.11	1.02	1.21	1.64E-02	1.00E+00	na	1.11	1.02	1.21	1.64E-02	1.00E+00	na
1.12	1.00	1.27	5.68E-02	1.54E-01	0.378	1.05	0.94	1.17	3.93E-01	6.71E-01	0.000	1.05	0.94	1.17	3.93E-01	6.71E-01	0.000	1.21	1.10	1.34	8.83E-05	1.28E-01	0.568	1.20	1.03	1.40	1.78E-02	1.28E-01	0.568	1.10	0.94	1.29	2.30E-01	1.00E+00	na	1.10	0.94	1.29	2.30E-01	1.00E+00	na
1.03	0.89	1.21	6.59E-01	2.43E-02	0.587	0.98	0.89	1.09	7.64E-01	2.31E-01	0.271	0.98	0.85	1.12	7.45E-01	2.31E-01	0.271	1.16	1.04	1.29	7.38E-03	2.75E-02	0.794	1.15	0.91	1.45	2.47E-01	2.75E-02	0.794	1.02	0.87	1.19	8.28E-01	1.00E+00	na	1.02	0.87	1.19	8.28E-01	1.00E+00	na
0.94	0.89	0.99	1.76E-02	2.11E-01	0.273	0.97	0.91	1.02	1.98E-01	6.44E-01	0.000	0.97	0.91	1.02	1.98E-01	6.44E-01	0.000	0.90	0.85	0.94	4.37E-06	7.61E-02	0.612	0.89	0.82	0.97	1.06E-02	7.61E-02	0.612	0.93	0.86	1.00	5.90E-02	6.18E-02	0.713	0.89	0.75	1.07	2.09E-01	6.18E-02	0.713
1.00	0.87	1.15	9.86E-01	7.63E-06	0.841	0.94	0.89	0.99	1.55E-02	1.36E-01	0.429	0.94	0.85	1.05	2.54E-01	1.36E-01	0.429	1.01	0.96	1.06	6.23E-01	8.53E-05	0.935	1.04	0.85	1.28	6.90E-01	8.53E-05	0.935	0.94	0.89	1.00	5.37E-02	1.00E+00	na	0.94	0.89	1.00	5.37E-02	1.00E+00	na
0.93	0.85	1.02	1.06E-01	2.02E-01	0.296	0.98	0.90	1.07	6.09E-01	5.74E-01	0.000	0.98	0.90	1.07	6.09E-01	5.74E-01	0.000	0.90	0.84	0.98	1.15E-02	8.98E-02	0.653	0.92	0.80	1.05	2.11E-01	8.98E-02	0.653	0.99	0.87	1.13	8.77E-01	1.00E+00	na	0.99	0.87	1.13	8.77E-01	1.00E+00	na
0.93	0.81	1.06	2.86E-01	5.11E-02	0.546	0.99	0.89	1.10	8.04E-01	2.59E-01	0.243	0.98	0.86	1.13	8.08E-01	2.59E-01	0.243	0.88	0.80	0.97	9.34E-03	1.40E-01	0.541	0.89	0.77	1.03	1.20E-01	1.40E-01	0.541	0.97	0.83	1.14	7.04E-01	1.00E+00	na	0.97	0.83	1.14	7.04E-01	1.00E+00	na
0.92	0.87	0.97	1.16E-03	5.50E-01	0.000	0.95	0.89	1.02	1.42E-01	9.65E-01	0.000	0.95	0.89	1.02	1.42E-01	9.65E-01	0.000	0.91	0.85	0.97	3.55E-03	1.50E-01	0.518	0.91	0.83	1.00	4.66E-02	1.50E-01	0.518	0.96	0.87	1.05	3.44E-01	1.00E+00	na	0.96	0.87	1.05	3.44E-01	1.00E+00	na
0.95	0.88	1.02	1.60E-01	2.37E-01	0.251	0.99	0.92	1.07	8.31E-01	9.21E-01	0.000	0.99	0.92	1.07	8.31E-01	9.21E-01	0.000	0.90	0.83	0.97	4.42E-03	1.94E-02	0.817	0.90	0.76	1.07	2.36E-01	1.94E-02	0.817	0.98	0.88	1.10	7.72E-01	1.00E+00	na	0.98	0.88	1.10	7.72E-01	1.00E+00	na
0.98	0.88	1.10	7.71E-01	2.81E-04	0.764	0.95	0.90	1.01	1.05E-01	4.17E-01	0.000	0.95	0.90	1.01	1.05E-01	4.17E-01	0.000	1.05	0.99	1.12	8.68E-02	3.18E-04	0.923	1.05	0.85	1.29	6.67E-01	3.18E-04	0.923	0.94	0.86	1.02	1.54E-01	1.00E+00	0.000	0.94	0.86	1.02	1.54E-01	1.00E+00	0.000
1.04	0.92	1.19	5.07E-01	3.30E-02	0.588	1.01	0.92	1.11	7.94E-01	2.87E-01	0.201	1.00	0.89	1.12	9.69E-01	2.87E-01	0.201	1.17	1.08	1.26	1.39E-04	8.30E-02	0.667	1.15	1.00	1.33	4.54E-02	8.30E-02	0.667	1.07	0.94	1.21	3.07E-01	1.00E+00	na	1.07	0.94	1.21	3.07E-01	1.00E+00	na
1.01	0.91	1.11	8.95E-01	1.02E-03	0.732	1.04	0.98	1.11	1.48E-01	3.05E-01	0.169	1.04	0.97	1.12	2.38E-01	3.05E-01	0.169	0.95	0.90	1.00	3.95E-02	1.59E-04	0.930	0.97	0.79	1.19	7.95E-01	1.59E-04	0.930	1.08	0.99	1.18	7.33E-02	1.00E+00	na	1.08	0.99	1.18	7.33E-02	1.00E+00	na
0.96	0.92	1.01	8.38E-02	4.89E-01	0.000	0.97	0.91	1.03	3.43E-01	3.96E-01	0.039	0.97	0.91	1.03	3.45E-01	3.96E-01	0.039	0.96	0.91	1.02	1.98E-01	2.02E-01	0.375	0.96	0.89	1.04	3.77E-01	2.02E-01	0.375	1.00	0.92	1.10	9.42E-01	1.68E-01	0.473	0.98	0.85	1.14	7.93E-01	1.68E-01	0.473
0.99	0.88	1.13	9.15E-01	1.42E-05	0.834	0.95	0.90	1.00	4.28E-02	2.96E-01	0.186	0.95	0.89	1.01	1.07E-01	2.96E-01	0.186	1.04	0.99	1.10	1.25E-01	4.86E-06	0.952	1.05	0.82	1.36	6.93E-01	4.86E-06	0.952	0.93	0.86	1.00	4.43E-02	1.00E+00	na	0.93	0.86	1.00	4.43E-02	1.00E+00	na
0.99	0.90	1.09	7.71E-01	8.52E-04	0.737	0.98	0.93	1.04	5.47E-01	1.86E-02	0.632	0.95	0.86	1.06	3.89E-01	1.86E-02	0.632	1.07	1.02	1.13	5.72E-03	3.30E-01	0.000	1.07	1.02	1.13	5.72E-03	3.30E-01	0.000	1.04	0.95	1.13	4.07E-01	1.00E+00	na	1.04	0.95	1.13	4.07E-01	1.00E+00	na
0.96	0.92	1.00	3.71E-02	6.89E-01	0.000	0.98	0.93	1.04	4.76E-01	7.40E-01	0.000	0.98	0.93	1.04	4.76E-01	7.40E-01	0.000	0.95	0.91	1.00	4.91E-02	2.85E-01	0.125	0.95	0.90	1.00	7.51E-02	2.85E-01	0.125	0.99	0.91	1.07	7.68E-01	1.00E+00	na	0.99	0.91	1.07	7.68E-01	1.00E+00	na
1.03	0.96	1.11	3.69E-01	9.87E-01	0.000	1.02	0.92	1.12	7.47E-01	9.80E-01	0.000	1.02	0.92	1.12	7.47E-01	9.80E-01	0.000	1.02	0.94	1.11	6.63E-01	7.90E-01	0.000	1.02	0.94	1.11	6.63E-01	7.90E-01	0.000	1.00	0.87	1.16	9.66E-01	1.00E+00	na	1.00	0.87	1.16	9.66E-01	1.00E+00	na
0.94	0.81	1.07	3.42E-01	1.90E-04	0.794	1.00	0.94	1.07	9.36E-01	1.07E-02	0.695	0.97	0.84	1.12	6.98E-01	1.07E-02	0.695	0.89	0.83	0.95	7.17E-04	4.13E-03	0.878	0.89	0.73	1.09	2.63E-01	4.13E-03	0.878	0.99	0.89	1.09	8.27E-01	1.00E+00	na	0.99	0.89	1.09	8.27E-01	1.00E+00	na
1.09	0.99	1.20	9.32E-02	3.85E-02	0.549	1.05	0.98	1.13	1.53E-01	6.78E-02	0.513	1.07	0.95	1.20	2.97E-01	6.78E-02	0.513	1.10	1.02	1.19	8.83E-03	4.72E-02	0.746	1.11	0.96	1.28	1.76E-01	4.72E-02	0.746	1.03	0.93	1.14	6.01E-01	1.00E+00	na	1.03	0.93	1.14	6.01E-01	1.00E+00	na
1.00	0.95	1.06	9.04E-01	2.72E-01	0.214	1.00	0.95	1.06	9.06E-01	1.76E-01	0.367	1.02	0.94	1.10	7.08E-01	1.76E-01	0.367	0.99	0.94	1.04	5.83E-01	7.43E-01	0.000	0.99	0.94	1.04	5.83E-01	7.43E-01	0.000	0.98	0.90	1.06	5.56E-01	1.00E+00	na	0.98	0.90	1.06	5.56E-01	1.00E+00	na
0.99	0.87	1.12	8.62E-01	4.85E-03	0.703	1.02	0.96	1.10	4.76E-01	5.39E-01	0.000	1.02	0.96	1.10	4.76E-01	5.39E-01	0.000	0.93	0.88	0.99	1.82E-02	2.75E-03	0.889	0.92	0.77	1.10	3.70E-01	2.75E-03	0.889	1.01	0.93	1.09	8.39E-01	1.00E+00	na	1.01	0.93	1.09	8.39E-01	1.00E+00	na
1.00	0.90	1.11	1.00E+00	5.06E-02	0.522	0.96	0.89	1.04	3.41E-01	8.39E-01	0.000	0.96	0.89	1.04	3.41E-01	8.39E-01	0.000	1.09	1.02	1.17	1.69E-02	1.25E-01	0.576	1.08	0.96	1.20	1.88E-01	1.25E-01	0.576	1.01	0.90	1.14	8.67E-01	1.00E+00	na	1.01	0.90	1.14	8.67E-01	1.00E+00	na
1.05	1.01	1.10	2.48E-02	7.04E-01	0.000	1.04	0.98	1.11	1.61E-01	5.91E-01	0.000	1.04	0.98	1.11	1.61E-01	5.91E-01	0.000	1.06	1.01	1.12	2.44E-02	7.39E-01	0.000	1.06	1.01	1.12	2.44E-02	7.39E-01	0.000	1.06	0.98	1.16	1.40E-01	4.40E-01	0.000	1.06	0.98	1.16	1.40E-01	4.40E-01	0.000
1.05	0.99	1.11	1.14E-01	8.94E-01	0.000	1.03	0.94	1.11	5.52E-01	8.94E-01	0.000	1.03	0.94	1.11	5.52E-01	8.94E-01	0.000	1.08	1.00	1.16	4.83E-02	8.15E-01	0.000	1.08	1.00	1.16	4.83E-02	8.15E-01	0.000	1.05	0.94	1.18	3.83E-01	6.57E-01	0.000	1.05	0.94	1.18	3.83E-01	6.57E-01	0.000
0.91	0.83	1.00	4.37E-02	1.30E-01	0.392	0.95	0.88	1.03	1.99E-01	3.43E-01	0.113	0.95	0.86	1.03	2.17E-01	3.43E-01	0.113	0.90	0.83	0.97	6.95E-03	8.60E-03	0.855	0.89	0.73	1.09	2.73E-01	8.60E-03	0.855	0.99	0.89	1.10	8.35E-01	1.00E+00	na	0.99	0.89	1.10	8.35E-01	1.00E+00	na
0.98	0.92	1.05	6.10E-01	1.27E-01	0.397	0.96	0.91	1.03	2.49E-01	1.77E-01	0.346	0.96	0.88	1.05	3.54E-01	1.77E-01	0.346	1.01	0.96	1.07	5.88E-01	3.25E-02	0.781	1.00	0.89	1.12	9.97E-01	3.25E-02	0.781	0.94	0.86	1.02	1.57E-01	1.00E+00	na	0.94	0.86	1.02	1.57E-01	1.00E+00	na
1.07	0.99	1.15	8.42E-02	4.55E-02	0.512	1.05	0.99	1.11	1.06E-01	1.04E-01	0.431	1.04	0.96	1.14	3.33E-01	1.04E-01	0.431	1.11	1.05	1.17	8.20E-05	4.72E-03	0.813	1.05	0.91	1.20	5.12E-01	4.72E-03	0.813	1.03	0.95	1.12	4.17E-01	1.17E-02	0.843	0.97	0.75	1.25	8.06E-01	1.17E-02	0.843
0.94	0.84	1.06	3.17E-01	6.19E-03	0.667	0.90	0.84	0.98	1.12E-02	1.85E-01	0.334	0.90	0.81	1.01	6.40E-02	1.85E-01	0.334	1.02	0.96	1.09	5.10E-01	7.21E-02	0.691	1.01	0.88	1.14	9.33E-01	7.21E-02	0.691	0.93	0.83	1.05	2.63E-01	1.00E+00	na	0.93	0.83	1.05	2.63E-01	1.00E+00	na
0.99	0.94	1.04	6.10E-01	4.84E-01	0.000	1.00	0.94	1.07	9.83E-01	3.94E-01	0.035	1.00	0.94	1.07	9.54E-01	3.94E-01	0.035	0.96	0.90	1.01	1.35E-01	6.12E-01	0.000	0.96	0.90	1.01	1.35E-01	6.12E-01	0.000	0.94	0.85	1.03	1.98E-01	1.00E+00	na	0.94	0.85	1.03	1.98E-01	1.00E+00	na
0.97	0.93	1.02	2.07E-01	7.61E-01	0.000	0.99	0.92	1.06	7.42E-01	7.29E-01	0.000	0.99	0.92	1.06	7.42E-01	7.29E-01	0.000	0.95	0.90	1.01	9.32E-02	7.23E-01	0.000	0.95	0.90	1.01	9.32E-02	7.23E-01	0.000	0.97	0.88	1.06	4.75E-01	1.00E+00	na	0.97	0.88	1.06	4.75E-01	1.00E+00	na
0.95	0.80	1.14	5.97E-01	3.40E-01	0.106													1.03	0.88	1.20	7.22E-01	1.56E-01	0.398	1.15	1.02	1.30	2.34E-02	1.00E+00	na	1.15	1.02	1.30	2.34E-02	1.00E+00	na	1.07	0.98	1.18	1.27E-01	1.56E-01	0.398
0.92	0.89	0.96	2.06E-04	4.14E-01	0.013	0.96	0.91	1.02	1.73E-01	8.00E-01	0.000	0.96	0.91	1.02	1.73E-01	8.00E-01	0.000	0.91	0.86	0.96	2.03E-04	3.37E-01	0.000	0.91	0.86	0.96	2.03E-04	3.37E-01	0.000	0.94	0.86	1.03	1.75E-01	1.00E+00	na	0.94	0.86	1.03	1.75E-01	1.00E+00	na
1.02	0.95	1.10	5.32E-01	2.39E-01	0.239	1.06	0.98	1.14	1.78E-01	2.92E-01	0.180	1.05	0.96	1.15	3.08E-01	2.92E-01	0.180	0.96	0.90	1.03	3.03E-01	1.08E-01	0.550	0.96	0.85	1.09	5.69E-01	1.08E-01	0.550	1.02	0.90	1.15	7.99E-01	6.86E-02	0.698	0.97	0.75	1.25	8.12E-01	6.86E-02	0.698
0.99	0.91	1.06	7.23E-01	1.97E-01	0.302	1.00	0.92	1.08	9.71E-01	1.33E-01	0.409	0.98	0.88	1.10	7.76E-01	1.33E-01	0.409	0.96	0.90	1.02	1.89E-01	2.48E-01	0.283	0.95	0.87	1.04	2.69E-01	2.48E-01	0.283	0.96	0.86	1.07	4.46E-01	9.50E-02	0.641	0.92	0.75	1.14	4.60E-01	9.50E-02	0.641
1.01	0.92	1.11	7.97E-01	1.48E-02	0.621	1.00	0.94	1.07	9.90E-01	1.66E-01	0.362	0.98	0.89	1.08	6.73E-01	1.66E-01	0.362	1.13	1.06	1.20	5.98E-05	3.12E-01	0.021	1.13	1.06	1.20	7.68E-05	3.12E-01	0.021	1.08	0.98	1.20	1.32E-01	1.00E+00	na	1.08	0.98	1.20	1.32E-01	1.00E+00	na
1.04	0.96	1.12	3.19E-01	1.09E-01	0.422	1.01	0.95	1.08	7.18E-01	4.57E-01	0.000	1.01	0.95	1.08	7.18E-01	4.57E-01	0.000	1.12	1.05	1.19	2.10E-04	2.80E-01	0.214	1.11	1.03	1.20	4.43E-03	2.80E-01	0.214	1.06	0.97	1.17	2.08E-01	3.41E-01	0.000	1.06	0.97	1.17	2.08E-01	3.41E-01	0.000
1.07	1.01	1.14	3.19E-02	2.51E-01	0.244	1.04	0.97	1.10	2.59E-01	7.70E-01	0.000	1.04	0.97	1.10	2.59E-01	7.70E-01	0.000	1.13	1.06	1.21	9.89E-05	8.22E-02	0.669	1.13	1.02	1.27	2.40E-02	8.22E-02	0.669	1.07	0.98	1.17	1.15E-01	1.00E+00	na	1.07	0.98	1.17	1.15E-01	1.00E+00	na
1.01	0.91	1.12	8.80E-01	5.97E-03	0.669	1.05	0.98	1.13	1.28E-01	6.75E-01	0.000	1.05	0.98	1.13	1.28E-01	6.75E-01	0.000	0.92	0.86	0.97	4.27E-03	4.50E-03	0.876	0.94	0.79	1.12	4.94E-01	4.50E-03	0.876	1.03	0.93	1.14	5.33E-01	1.00E+00	na	1.03	0.93	1.14	5.33E-01	1.00E+00	na
0.96	0.86	1.08	5.01E-01	6.66E-03	0.664	0.97	0.90	1.04	3.87E-01	6.29E-02	0.523	1.00	0.88	1.14	9.60E-01	6.29E-02	0.523	0.88	0.82	0.94	9.31E-05	2.74E-01	0.166	0.88	0.82	0.95	4.93E-04	2.74E-01	0.166	0.92	0.83	1.03	1.34E-01	1.00E+00	na	0.92	0.83	1.03	1.34E-01	1.00E+00	na
0.95	0.88	1.03	2.03E-01	4.85E-02	0.505	0.97	0.92	1.04	3.96E-01	5.52E-01	0.000	0.97	0.92	1.04	3.96E-01	5.52E-01	0.000	0.88	0.83	0.93	4.21E-06	1.36E-01	0.499	0.89	0.82	0.97	1.14E-02	1.36E-01	0.499	0.94	0.86	1.02	1.54E-01	7.36E-01	0.000	0.94	0.86	1.02	1.54E-01	7.36E-01	0.000
0.94	0.86	1.02	1.35E-01	1.31E-01	0.391	0.97	0.90	1.05	4.27E-01	6.11E-01	0.000	0.97	0.90	1.05	4.27E-01	6.11E-01	0.000	0.89	0.83	0.96	1.20E-03	2.79E-01	0.145	0.89	0.83	0.96	3.54E-03	2.79E-01	0.145	0.94	0.84	1.05	2.86E-01	1.00E+00	na	0.94	0.84	1.05	2.86E-01	1.00E+00	na
1.03	0.93	1.13	6.06E-01	3.54E-02	0.582	0.99	0.92	1.07	8.31E-01	2.39E-01	0.274	0.99	0.90	1.09	8.31E-01	2.39E-01	0.274	1.08	1.02	1.14	1.21E-02	1.42E-02	0.834	1.06	0.91	1.23	4.64E-01	1.42E-02	0.834	0.98	0.88	1.08	6.27E-01	1.00E+00	na	0.98	0.88	1.08	6.27E-01	1.00E+00	na
1.13	1.01	1.26	2.90E-02	1.21E-01	0.405	1.09	0.99	1.21	9.14E-02	2.44E-01	0.253	1.08	0.95	1.23	2.21E-01	2.44E-01	0.253	1.21	1.12	1.32	5.00E-06	3.48E-01	0.000	1.21	1.12	1.32	5.00E-06	3.48E-01	0.000	1.15	0.99	1.33	6.31E-02	1.00E+00	na	1.15	0.99	1.33	6.31E-02	1.00E+00	na
1.00	0.96	1.05	8.75E-01	4.24E-01	0.000	0.97	0.92	1.03	3.47E-01	6.05E-01	0.000	0.97	0.92	1.03	3.47E-01	6.05E-01	0.000	1.01	0.96	1.06	7.29E-01	5.96E-02	0.718	1.00	0.90	1.10	9.68E-01	5.96E-02	0.718	0.94	0.87	1.03	1.89E-01	1.00E+00	na	0.94	0.87	1.03	1.89E-01	1.00E+00	na
1.02	0.92	1.13	6.93E-01	2.57E-02	0.583	0.97	0.90	1.04	3.35E-01	9.80E-01	0.000	0.97	0.90	1.04	3.35E-01	9.80E-01	0.000	1.08	1.01	1.16	2.86E-02	7.93E-04	0.911	1.08	0.85	1.38	5.05E-01	7.93E-04	0.911	0.96	0.87	1.06	4.28E-01	1.00E+00	na	0.96	0.87	1.06	4.28E-01	1.00E+00	na
1.00	0.88	1.15	9.65E-01	7.27E-04	0.742	0.95	0.88	1.02	1.54E-01	4.52E-01	0.000	0.95	0.88	1.02	1.54E-01	4.52E-01	0.000	1.08	1.00	1.16	5.82E-02	1.31E-04	0.932	1.08	0.81	1.45	5.91E-01	1.31E-04	0.932	0.93	0.84	1.04	2.04E-01	1.00E+00	na	0.93	0.84	1.04	2.04E-01	1.00E+00	na
0.98	0.90	1.05	5.22E-01	4.75E-02	0.529	1.00	0.94	1.06	8.81E-01	2.05E-01	0.307	1.00	0.92	1.09	9.43E-01	2.05E-01	0.307	0.92	0.88	0.97	2.26E-03	6.17E-02	0.714	0.93	0.84	1.03	1.90E-01	6.17E-02	0.714	0.99	0.91	1.08	8.10E-01	1.00E+00	na	0.99	0.91	1.08	8.10E-01	1.00E+00	na
1.08	0.99	1.18	9.56E-02	2.69E-01	0.211	1.03	0.93	1.14	5.40E-01	4.78E-01	0.000	1.03	0.93	1.14	5.40E-01	4.78E-01	0.000	1.15	1.06	1.25	1.13E-03	3.93E-02	0.764	1.13	0.94	1.35	2.09E-01	3.93E-02	0.764	1.02	0.88	1.18	8.23E-01	1.00E+00	na	1.02	0.88	1.18	8.23E-01	1.00E+00	na
1.01	0.90	1.13	8.44E-01	8.94E-04	0.759	1.04	0.98	1.11	2.05E-01	2.84E-01	0.206	1.05	0.97	1.13	2.30E-01	2.84E-01	0.206	0.93	0.88	0.99	3.01E-02	1.73E-03	0.898	0.94	0.78	1.14	5.42E-01	1.73E-03	0.898	1.04	0.95	1.14	3.97E-01	1.00E+00	na	1.04	0.95	1.14	3.97E-01	1.00E+00	na
1.02	0.92	1.13	7.56E-01	1.02E-03	0.732	0.97	0.91	1.03	2.60E-01	8.56E-01	0.000	0.97	0.91	1.03	2.60E-01	8.56E-01	0.000	1.11	1.05	1.16	6.64E-05	1.03E-04	0.934	1.08	0.88	1.32	4.62E-01	1.03E-04	0.934	0.97	0.89	1.05	4.91E-01	1.00E+00	na	0.97	0.89	1.05	4.91E-01	1.00E+00	na
0.96	0.90	1.03	2.99E-01	5.26E-02	0.543	1.00	0.95	1.06	9.95E-01	4.27E-01	0.000	1.00	0.95	1.06	9.95E-01	4.27E-01	0.000	0.96	0.91	1.01	8.24E-02	5.13E-03	0.872	0.97	0.85	1.11	6.76E-01	5.13E-03	0.872	1.04	0.97	1.13	2.74E-01	1.00E+00	na	1.04	0.97	1.13	2.74E-01	1.00E+00	na
1.04	0.99	1.09	1.05E-01	7.60E-01	0.000	1.02	0.96	1.09	5.49E-01	7.38E-01	0.000	1.02	0.96	1.09	5.49E-01	7.38E-01	0.000	1.02	0.97	1.08	4.48E-01	3.02E-01	0.061	1.02	0.96	1.08	4.74E-01	3.02E-01	0.061	0.98	0.89	1.08	7.16E-01	1.00E+00	na	0.98	0.89	1.08	7.16E-01	1.00E+00	na
1.01	0.95	1.07	8.45E-01	1.96E-01	0.304	0.98	0.92	1.04	4.75E-01	3.03E-01	0.171	0.98	0.92	1.05	6.49E-01	3.03E-01	0.171	1.02	0.97	1.07	4.62E-01	7.72E-03	0.859	1.00	0.87	1.15	9.89E-01	7.72E-03	0.859	0.93	0.85	1.01	8.25E-02	1.00E+00	na	0.93	0.85	1.01	8.25E-02	1.00E+00	na
1.01	0.90	1.14	8.07E-01	5.81E-05	0.794	1.04	0.98	1.10	2.02E-01	1.06E-01	0.449	1.06	0.96	1.16	2.44E-01	1.06E-01	0.449	0.92	0.86	0.97	3.15E-03	2.39E-04	0.926	0.92	0.74	1.14	4.41E-01	2.39E-04	0.926	1.03	0.94	1.12	5.55E-01	1.00E+00	na	1.03	0.94	1.12	5.55E-01	1.00E+00	na
1.06	1.00	1.12	5.43E-02	1.24E-01	0.383	1.06	1.01	1.12	2.71E-02	8.72E-02	0.456	1.04	0.96	1.13	3.05E-01	8.72E-02	0.456	1.12	1.07	1.17	3.24E-06	3.49E-01	0.051	1.12	1.07	1.18	7.06E-06	3.49E-01	0.051	1.16	1.07	1.25	1.39E-04	3.65E-01	0.000	1.16	1.07	1.25	1.39E-04	3.65E-01	0.000
1.10	1.05	1.16	1.38E-04	6.43E-01	0.000	1.07	1.01	1.14	2.15E-02	8.59E-01	0.000	1.07	1.01	1.14	2.15E-02	8.59E-01	0.000	1.16	1.09	1.23	5.91E-06	3.15E-01	0.134	1.16	1.08	1.24	3.70E-05	3.15E-01	0.134	1.11	1.02	1.21	1.22E-02	4.67E-01	0.000	1.11	1.02	1.21	1.22E-02	4.67E-01	0.000
0.94	0.90	0.98	6.03E-03	4.27E-01	0.002	0.96	0.90	1.02	1.85E-01	4.28E-01	0.000	0.96	0.90	1.02	1.85E-01	4.28E-01	0.000	0.94	0.89	0.99	2.12E-02	9.98E-01	0.000	0.94	0.89	0.99	2.12E-02	9.98E-01	0.000	0.94	0.86	1.02	1.39E-01	9.57E-01	0.000	0.94	0.86	1.02	1.39E-01	9.57E-01	0.000
0.93	0.85	1.02	1.26E-01	9.61E-03	0.645	0.98	0.92	1.03	4.21E-01	1.09E-01	0.445	0.96	0.88	1.05	3.85E-01	1.09E-01	0.445	0.89	0.84	0.95	1.43E-04	3.34E-02	0.779	0.89	0.79	1.01	7.95E-02	3.34E-02	0.779	0.95	0.88	1.04	2.73E-01	1.00E+00	na	0.95	0.88	1.04	2.73E-01	1.00E+00	na
0.97	0.93	1.01	1.85E-01	6.38E-01	0.000	0.98	0.92	1.03	4.08E-01	4.95E-01	0.000	0.98	0.92	1.03	4.08E-01	4.95E-01	0.000	0.98	0.93	1.03	4.06E-01	7.54E-01	0.000	0.98	0.93	1.03	4.06E-01	7.54E-01	0.000	0.99	0.91	1.08	8.14E-01	1.00E+00	na	0.99	0.91	1.08	8.14E-01	1.00E+00	na
1.05	0.96	1.14	3.04E-01	3.22E-02	0.590	1.01	0.95	1.07	7.32E-01	6.64E-01	0.000	1.01	0.95	1.07	7.32E-01	6.64E-01	0.000	1.11	1.05	1.18	2.62E-04	3.33E-03	0.884	1.11	0.94	1.32	2.28E-01	3.33E-03	0.884	1.02	0.94	1.11	6.83E-01	1.00E+00	na	1.02	0.94	1.11	6.83E-01	1.00E+00	na
1.04	1.00	1.10	7.82E-02	3.92E-01	0.039	1.00	0.93	1.07	9.27E-01	8.72E-01	0.000	1.00	0.93	1.07	9.27E-01	8.72E-01	0.000	1.08	1.02	1.14	8.58E-03	9.56E-02	0.640	1.06	0.97	1.17	1.97E-01	9.56E-02	0.640	1.01	0.92	1.11	8.66E-01	1.00E+00	na	1.01	0.92	1.11	8.66E-01	1.00E+00	na
0.93	0.81	1.06	2.82E-01	6.13E-02	0.481	0.95	0.85	1.06	3.70E-01	5.09E-02	0.522	0.94	0.78	1.14	5.30E-01	5.09E-02	0.522	0.95	0.86	1.05	2.88E-01	9.09E-01	0.000	0.95	0.86	1.05	2.88E-01	9.09E-01	0.000	0.97	0.83	1.14	7.53E-01	8.88E-01	0.000	0.97	0.83	1.14	7.53E-01	8.88E-01	0.000
1.00	0.89	1.13	9.69E-01	2.28E-03	0.707	1.00	0.93	1.08	9.84E-01	6.59E-02	0.517	1.05	0.92	1.19	4.74E-01	6.59E-02	0.517	0.88	0.82	0.94	1.77E-04	2.19E-01	0.339	0.88	0.81	0.96	5.03E-03	2.19E-01	0.339	0.93	0.83	1.05	2.67E-01	1.00E+00	na	0.93	0.83	1.05	2.67E-01	1.00E+00	na
0.98	0.90	1.07	7.10E-01	1.49E-02	0.646	1.03	0.97	1.09	3.32E-01	5.04E-01	0.000	1.03	0.97	1.09	3.32E-01	5.04E-01	0.000	0.95	0.90	0.99	2.66E-02	1.67E-04	0.929	0.97	0.80	1.18	7.69E-01	1.67E-04	0.929	1.07	0.99	1.17	8.86E-02	1.00E+00	na	1.07	0.99	1.17	8.86E-02	1.00E+00	na
1.03	0.90	1.17	6.72E-01	1.53E-02	0.644	1.00	0.92	1.09	9.94E-01	7.09E-02	0.537	0.98	0.84	1.15	8.30E-01	7.09E-02	0.537	1.13	1.05	1.22	8.07E-04	3.22E-01	0.000	1.13	1.05	1.22	8.07E-04	3.22E-01	0.000	1.08	0.97	1.21	1.76E-01	1.00E+00	na	1.08	0.97	1.21	1.76E-01	1.00E+00	na
0.97	0.87	1.07	5.35E-01	1.33E-03	0.748	0.97	0.91	1.03	3.04E-01	3.79E-02	0.606	0.93	0.83	1.04	2.03E-01	3.79E-02	0.606	1.08	1.02	1.13	4.47E-03	1.06E-01	0.617	1.07	0.98	1.16	1.41E-01	1.06E-01	0.617	1.02	0.93	1.11	7.39E-01	1.00E+00	na	1.02	0.93	1.11	7.39E-01	1.00E+00	na
0.95	0.89	1.01	7.55E-02	3.30E-01	0.132	0.99	0.92	1.06	7.86E-01	7.58E-01	0.000	0.99	0.92	1.06	7.86E-01	7.58E-01	0.000	0.90	0.85	0.96	1.29E-03	1.97E-01	0.400	0.91	0.83	0.99	2.20E-02	1.97E-01	0.400	0.95	0.86	1.06	3.93E-01	1.00E+00	na	0.95	0.86	1.06	3.93E-01	1.00E+00	na
1.06	1.00	1.13	5.85E-02	3.12E-01	0.150	1.01	0.94	1.08	7.37E-01	8.07E-01	0.000	1.01	0.94	1.08	7.37E-01	8.07E-01	0.000	1.08	1.02	1.15	1.21E-02	4.65E-02	0.674	1.06	0.93	1.19	3.98E-01	4.65E-02	0.674	0.98	0.89	1.08	7.36E-01	8.69E-01	0.000	0.98	0.89	1.08	7.36E-01	8.69E-01	0.000
1.00	0.93	1.08	9.63E-01	2.07E-01	0.304	1.00	0.92	1.08	9.19E-01	1.27E-01	0.443	1.00	0.89	1.13	9.89E-01	1.27E-01	0.443	0.97	0.91	1.04	4.17E-01	3.19E-01	0.000	0.97	0.91	1.04	4.17E-01	3.19E-01	0.000	0.93	0.82	1.04	2.01E-01	1.00E+00	na	0.93	0.82	1.04	2.01E-01	1.00E+00	na
1.06	0.99	1.14	1.07E-01	1.12E-01	0.441	1.02	0.96	1.09	5.55E-01	7.43E-01	0.000	1.02	0.96	1.09	5.55E-01	7.43E-01	0.000	1.10	1.04	1.16	7.99E-04	2.20E-02	0.809	1.08	0.94	1.23	2.71E-01	2.20E-02	0.809	1.00	0.91	1.10	9.63E-01	1.00E+00	na	1.00	0.91	1.10	9.63E-01	1.00E+00	na
1.06	1.01	1.11	2.51E-02	4.38E-01	0.000	1.02	0.96	1.09	5.05E-01	5.42E-01	0.000	1.02	0.96	1.09	5.05E-01	5.42E-01	0.000	1.07	1.01	1.14	2.49E-02	1.18E-01	0.532	1.07	0.97	1.18	1.79E-01	1.18E-01	0.532	1.02	0.93	1.12	6.74E-01	9.73E-02	0.636	1.06	0.87	1.30	5.37E-01	9.73E-02	0.636
1.04	0.96	1.12	3.15E-01	9.62E-02	0.442	1.02	0.95	1.09	6.08E-01	1.45E-01	0.391	1.02	0.92	1.12	7.43E-01	1.45E-01	0.391	1.10	1.04	1.17	1.04E-03	1.54E-01	0.507	1.09	1.00	1.19	4.07E-02	1.54E-01	0.507	1.04	0.94	1.15	4.49E-01	1.00E+00	na	1.04	0.94	1.15	4.49E-01	1.00E+00	na
1.01	0.96	1.07	7.20E-01	7.57E-01	0.000	1.05	0.97	1.14	2.11E-01	9.19E-01	0.000	1.05	0.97	1.14	2.11E-01	9.19E-01	0.000	1.00	0.93	1.07	9.96E-01	3.88E-01	0.000	1.00	0.93	1.07	9.96E-01	3.88E-01	0.000	1.05	0.92	1.19	4.74E-01	1.00E+00	na	1.05	0.92	1.19	4.74E-01	1.00E+00	na
0.99	0.87	1.14	9.37E-01	6.35E-05	0.813	0.97	0.91	1.03	2.59E-01	3.01E-01	0.178	0.96	0.89	1.03	2.61E-01	3.01E-01	0.178	1.10	1.04	1.18	1.52E-03	1.39E-04	0.931	1.12	0.88	1.42	3.55E-01	1.39E-04	0.931	0.99	0.91	1.08	8.47E-01	1.00E+00	na	0.99	0.91	1.08	8.47E-01	1.00E+00	na
1.05	0.98	1.13	1.50E-01	1.72E-01	0.353	1.03	0.96	1.10	4.48E-01	2.52E-01	0.254	1.02	0.94	1.12	6.05E-01	2.52E-01	0.254	1.10	1.04	1.17	1.91E-03	1.95E-01	0.405	1.09	1.01	1.18	3.74E-02	1.95E-01	0.405	1.03	0.93	1.15	5.49E-01	1.00E+00	na	1.03	0.93	1.15	5.49E-01	1.00E+00	na
1.03	0.86	1.25	7.27E-01	6.15E-03	0.692	0.96	0.86	1.07	4.32E-01	7.89E-01	0.000	0.96	0.86	1.07	4.32E-01	7.89E-01	0.000	1.13	1.02	1.26	2.34E-02	1.06E-04	0.933	1.16	0.76	1.76	4.84E-01	1.06E-04	0.933	0.94	0.82	1.08	3.92E-01	1.00E+00	na	0.94	0.82	1.08	3.92E-01	1.00E+00	na
1.04	0.97	1.11	2.45E-01	6.53E-02	0.473	1.02	0.97	1.08	4.92E-01	8.97E-02	0.452	1.03	0.94	1.12	5.28E-01	8.97E-02	0.452	1.09	1.04	1.15	4.32E-04	4.47E-01	0.000	1.09	1.04	1.15	4.32E-04	4.47E-01	0.000	1.06	0.98	1.15	1.18E-01	3.43E-01	0.000	1.06	0.98	1.15	1.18E-01	3.43E-01	0.000
1.04	0.96	1.12	3.74E-01	9.03E-02	0.451	1.01	0.95	1.08	6.61E-01	1.91E-01	0.326	1.01	0.92	1.11	8.89E-01	1.91E-01	0.326	1.09	1.03	1.16	2.33E-03	1.97E-01	0.400	1.09	1.01	1.18	2.27E-02	1.97E-01	0.400	1.05	0.96	1.14	3.19E-01	1.00E+00	na	1.05	0.96	1.14	3.19E-01	1.00E+00	na
0.83	0.74	0.94	3.39E-03	2.62E-01	0.220	0.89	0.79	1.01	8.22E-02	5.26E-01	0.000	0.89	0.79	1.01	8.22E-02	5.26E-01	0.000	0.83	0.73	0.93	2.27E-03	7.92E-02	0.676	0.84	0.67	1.04	1.08E-01	7.92E-02	0.676	0.94	0.78	1.14	5.25E-01	1.00E+00	na	0.94	0.78	1.14	5.25E-01	1.00E+00	na
0.91	0.75	1.11	3.71E-01	5.07E-03	0.676	1.03	0.91	1.16	6.51E-01	3.90E-01	0.042	1.02	0.90	1.16	7.13E-01	3.90E-01	0.042	0.89	0.79	1.00	4.16E-02	4.03E-04	0.920	0.90	0.60	1.35	6.14E-01	4.03E-04	0.920	1.11	0.94	1.31	2.27E-01	1.00E+00	na	1.11	0.94	1.31	2.27E-01	1.00E+00	na
1.06	0.96	1.16	2.76E-01	2.62E-01	0.219	0.99	0.90	1.09	8.81E-01	8.66E-01	0.000	0.99	0.90	1.09	8.81E-01	8.66E-01	0.000	1.14	1.03	1.27	1.52E-02	5.78E-02	0.722	1.13	0.93	1.39	2.24E-01	5.78E-02	0.722	1.02	0.87	1.19	8.03E-01	1.00E+00	na	1.02	0.87	1.19	8.03E-01	1.00E+00	na
0.96	0.92	1.01	9.08E-02	3.66E-01	0.079	1.00	0.94	1.06	8.85E-01	6.87E-01	0.000	1.00	0.94	1.06	8.85E-01	6.87E-01	0.000	0.93	0.88	0.98	4.09E-03	8.08E-02	0.672	0.94	0.85	1.03	1.70E-01	8.08E-02	0.672	0.99	0.91	1.08	7.74E-01	1.00E+00	na	0.99	0.91	1.08	7.74E-01	1.00E+00	na
0.99	0.84	1.17	9.34E-01	1.88E-02	0.605	0.92	0.82	1.02	1.15E-01	9.39E-01	0.000	0.92	0.82	1.02	1.15E-01	9.39E-01	0.000	1.10	0.98	1.23	9.44E-02	8.31E-04	0.910	1.12	0.76	1.63	5.69E-01	8.31E-04	0.910	0.92	0.79	1.08	2.97E-01	1.00E+00	na	0.92	0.79	1.08	2.97E-01	1.00E+00	na
0.94	0.84	1.06	3.24E-01	6.69E-03	0.663	0.98	0.91	1.05	5.60E-01	2.75E-02	0.603	0.97	0.85	1.11	6.62E-01	2.75E-02	0.603	0.95	0.88	1.03	2.05E-01	7.88E-04	0.911	0.96	0.74	1.25	7.85E-01	7.88E-04	0.911	1.10	0.98	1.24	9.70E-02	1.00E+00	na	1.10	0.98	1.24	9.70E-02	1.00E+00	na
1.01	0.93	1.09	8.85E-01	2.44E-01	0.242	1.01	0.93	1.09	8.58E-01	1.64E-01	0.365	1.02	0.90	1.15	7.91E-01	1.64E-01	0.365	0.99	0.92	1.06	7.59E-01	3.61E-01	0.000	0.99	0.92	1.06	7.59E-01	3.61E-01	0.000	0.95	0.84	1.07	3.59E-01	1.00E+00	na	0.95	0.84	1.07	3.59E-01	1.00E+00	na
1.12	0.96	1.30	1.56E-01	2.03E-03	0.711	1.06	0.97	1.16	1.78E-01	1.88E-02	0.631	1.07	0.91	1.27	4.13E-01	1.88E-02	0.631	1.17	1.06	1.28	1.26E-03	5.94E-03	0.868	1.16	0.90	1.50	2.46E-01	5.94E-03	0.868	1.02	0.89	1.17	7.59E-01	1.00E+00	na	1.02	0.89	1.17	7.59E-01	1.00E+00	na
0.99	0.91	1.08	8.76E-01	2.28E-02	0.592	0.95	0.89	1.01	7.80E-02	7.95E-01	0.000	0.95	0.89	1.01	7.80E-02	7.95E-01	0.000	1.03	0.97	1.10	3.16E-01	1.89E-04	0.928	1.03	0.82	1.30	7.95E-01	1.89E-04	0.928	0.92	0.84	1.00	5.17E-02	1.00E+00	na	0.92	0.84	1.00	5.17E-02	1.00E+00	na
0.99	0.95	1.03	7.19E-01	8.61E-01	0.000	0.98	0.93	1.04	5.60E-01	7.92E-01	0.000	0.98	0.93	1.04	5.60E-01	7.92E-01	0.000	0.98	0.93	1.03	3.50E-01	3.69E-01	0.000	0.98	0.93	1.03	3.50E-01	3.69E-01	0.000	0.95	0.88	1.03	2.00E-01	1.00E+00	na	0.95	0.88	1.03	2.00E-01	1.00E+00	na
1.02	0.98	1.06	4.09E-01	5.48E-01	0.000	0.98	0.92	1.04	4.50E-01	9.18E-01	0.000	0.98	0.92	1.04	4.50E-01	9.18E-01	0.000	1.02	0.97	1.07	4.71E-01	3.18E-02	0.783	1.00	0.90	1.12	9.54E-01	3.18E-02	0.783	0.94	0.87	1.03	1.82E-01	1.00E+00	na	0.94	0.87	1.03	1.82E-01	1.00E+00	na
0.96	0.92	0.99	2.57E-02	6.84E-01	0.000	0.97	0.92	1.02	2.02E-01	6.06E-01	0.000	0.97	0.92	1.02	2.02E-01	6.06E-01	0.000	0.95	0.91	0.99	1.72E-02	2.38E-01	0.304	0.95	0.90	1.01	9.95E-02	2.38E-01	0.304	0.97	0.91	1.04	3.66E-01	1.80E-01	0.444	0.99	0.88	1.11	8.89E-01	1.80E-01	0.444
1.01	0.95	1.08	7.10E-01	1.02E-01	0.455	1.03	0.97	1.09	3.87E-01	7.02E-02	0.538	1.02	0.92	1.12	7.08E-01	7.02E-02	0.538	1.01	0.96	1.06	7.48E-01	5.83E-01	0.000	1.01	0.96	1.06	7.48E-01	5.83E-01	0.000	1.03	0.94	1.12	5.27E-01	1.00E+00	na	1.03	0.94	1.12	5.27E-01	1.00E+00	na
0.99	0.89	1.09	7.95E-01	2.58E-03	0.727	0.97	0.92	1.03	3.77E-01	3.78E-02	0.606	0.95	0.85	1.07	3.97E-01	3.78E-02	0.606	1.03	0.98	1.09	2.10E-01	3.19E-02	0.783	1.02	0.91	1.15	7.33E-01	3.19E-02	0.783	0.96	0.88	1.05	3.34E-01	1.00E+00	na	0.96	0.88	1.05	3.34E-01	1.00E+00	na
1.01	0.93	1.09	8.63E-01	3.16E-02	0.592	0.99	0.93	1.05	7.88E-01	2.04E-02	0.656	1.05	0.93	1.18	4.60E-01	2.04E-02	0.656	0.98	0.93	1.03	3.40E-01	9.36E-01	0.000	0.98	0.93	1.03	3.40E-01	9.36E-01	0.000	0.98	0.90	1.07	6.16E-01	1.00E+00	na	0.98	0.90	1.07	6.16E-01	1.00E+00	na
0.95	0.86	1.04	2.74E-01	5.57E-05	0.776	0.94	0.89	0.99	2.01E-02	2.53E-04	0.767	0.97	0.86	1.10	6.25E-01	2.53E-04	0.767	0.88	0.84	0.92	1.12E-07	7.51E-05	0.895	0.95	0.80	1.13	5.68E-01	7.51E-05	0.895	0.91	0.85	0.99	2.08E-02	3.20E-05	0.942	1.03	0.69	1.54	8.79E-01	3.20E-05	0.942
1.06	1.00	1.11	4.78E-02	2.84E-01	0.199	1.03	0.97	1.09	3.74E-01	3.46E-01	0.106	1.03	0.96	1.10	3.65E-01	3.46E-01	0.106	1.07	1.02	1.13	6.21E-03	1.75E-01	0.455	1.07	1.00	1.15	6.78E-02	1.75E-01	0.455	1.02	0.94	1.12	5.84E-01	1.00E+00	na	1.02	0.94	1.12	5.84E-01	1.00E+00	na
1.06	0.93	1.21	3.73E-01	1.32E-04	0.780	1.11	1.03	1.19	4.89E-03	7.75E-01	0.000	1.11	1.03	1.19	4.89E-03	7.75E-01	0.000	0.90	0.85	0.96	1.41E-03	1.05E-03	0.907	0.94	0.75	1.17	5.64E-01	1.05E-03	0.907	1.05	0.94	1.17	3.65E-01	1.00E+00	na	1.05	0.94	1.17	3.65E-01	1.00E+00	na
1.09	0.99	1.20	8.58E-02	8.69E-02	0.480	1.02	0.95	1.10	5.24E-01	9.52E-01	0.000	1.02	0.95	1.10	5.24E-01	9.52E-01	0.000	1.13	1.05	1.21	1.77E-03	1.87E-03	0.897	1.13	0.90	1.42	2.99E-01	1.87E-03	0.897	1.01	0.91	1.11	9.24E-01	1.00E+00	na	1.01	0.91	1.11	9.24E-01	1.00E+00	na
1.04	0.95	1.15	3.99E-01	1.47E-01	0.369	0.99	0.91	1.09	9.02E-01	6.88E-01	0.000	0.99	0.91	1.09	9.02E-01	6.88E-01	0.000	1.10	1.01	1.19	1.99E-02	5.78E-02	0.722	1.07	0.91	1.26	4.21E-01	5.78E-02	0.722	0.97	0.84	1.13	7.20E-01	1.00E+00	na	0.97	0.84	1.13	7.20E-01	1.00E+00	na
1.05	0.98	1.13	1.58E-01	3.53E-02	0.557	1.02	0.96	1.08	5.33E-01	1.22E-01	0.424	1.03	0.95	1.12	4.41E-01	1.22E-01	0.424	1.10	1.05	1.16	1.53E-04	1.10E-02	0.845	1.08	0.95	1.23	2.45E-01	1.10E-02	0.845	1.01	0.93	1.10	8.59E-01	1.00E+00	na	1.01	0.93	1.10	8.59E-01	1.00E+00	na
1.02	0.92	1.12	7.66E-01	7.65E-03	0.682	1.02	0.95	1.09	5.97E-01	5.77E-02	0.562	1.06	0.94	1.19	3.42E-01	5.77E-02	0.562	0.92	0.87	0.97	2.54E-03	6.53E-01	0.000	0.92	0.87	0.97	2.54E-03	6.53E-01	0.000	0.94	0.85	1.03	1.67E-01	1.00E+00	na	0.94	0.85	1.03	1.67E-01	1.00E+00	na
0.91	0.83	1.00	4.11E-02	8.80E-03	0.650	0.97	0.91	1.03	2.61E-01	1.37E-01	0.403	0.94	0.86	1.03	1.81E-01	1.37E-01	0.403	0.90	0.85	0.96	9.39E-04	1.18E-02	0.842	0.91	0.78	1.05	2.01E-01	1.18E-02	0.842	0.98	0.90	1.07	6.36E-01	1.00E+00	na	0.98	0.90	1.07	6.36E-01	1.00E+00	na
0.92	0.82	1.04	1.88E-01	3.52E-02	0.582	0.91	0.84	0.99	2.82E-02	2.50E-01	0.257	0.89	0.79	0.99	3.91E-02	2.50E-01	0.257	1.03	0.96	1.11	3.71E-01	1.11E-01	0.606	1.03	0.91	1.16	6.48E-01	1.11E-01	0.606	0.96	0.86	1.08	5.25E-01	1.00E+00	na	0.96	0.86	1.08	5.25E-01	1.00E+00	na
0.95	0.92	0.99	1.65E-02	4.22E-01	0.002	0.95	0.90	1.01	9.18E-02	3.05E-01	0.168	0.96	0.90	1.03	2.52E-01	3.05E-01	0.168	0.95	0.91	1.00	4.41E-02	3.17E-01	0.130	0.95	0.90	1.01	7.91E-02	3.17E-01	0.130	0.95	0.88	1.02	1.63E-01	1.32E-01	0.559	0.97	0.84	1.12	6.91E-01	1.32E-01	0.559
0.93	0.81	1.08	3.42E-01	3.21E-02	0.565	0.97	0.88	1.07	5.27E-01	2.06E-01	0.305	0.98	0.86	1.12	7.94E-01	2.06E-01	0.305	0.83	0.75	0.92	2.45E-04	3.56E-02	0.774	0.83	0.67	1.02	7.45E-02	3.56E-02	0.774	0.92	0.80	1.05	2.25E-01	1.00E+00	na	0.92	0.80	1.05	2.25E-01	1.00E+00	na
0.97	0.90	1.06	5.26E-01	1.34E-01	0.387	0.98	0.91	1.05	5.87E-01	1.05E-01	0.450	1.00	0.89	1.12	9.66E-01	1.05E-01	0.450	0.92	0.86	0.98	9.08E-03	6.39E-01	0.000	0.92	0.86	0.98	9.08E-03	6.39E-01	0.000	0.94	0.84	1.04	2.38E-01	1.00E+00	na	0.94	0.84	1.04	2.38E-01	1.00E+00	na
1.06	0.96	1.18	2.60E-01	6.39E-04	0.768	0.98	0.94	1.03	4.92E-01	2.31E-01	0.286	1.01	0.94	1.10	7.34E-01	2.31E-01	0.286	1.03	0.99	1.07	1.75E-01	5.75E-06	0.951	1.06	0.87	1.29	5.69E-01	5.75E-06	0.951	0.96	0.91	1.01	1.11E-01	1.00E+00	na	0.96	0.91	1.01	1.11E-01	1.00E+00	na
1.02	0.96	1.09	4.84E-01	9.34E-02	0.447	1.00	0.94	1.06	9.47E-01	1.13E-01	0.438	1.01	0.93	1.10	7.61E-01	1.13E-01	0.438	0.99	0.94	1.04	7.10E-01	2.11E-02	0.812	0.98	0.87	1.10	6.89E-01	2.11E-02	0.812	0.91	0.84	0.99	3.75E-02	1.00E+00	na	0.91	0.84	0.99	3.75E-02	1.00E+00	na
0.91	0.77	1.07	2.48E-01	5.88E-03	0.669	0.99	0.90	1.10	9.08E-01	1.18E-01	0.431	0.96	0.82	1.13	6.45E-01	1.18E-01	0.431	0.85	0.77	0.95	2.73E-03	1.70E-02	0.824	0.86	0.67	1.10	2.34E-01	1.70E-02	0.824	0.98	0.84	1.14	7.73E-01	1.00E+00	na	0.98	0.84	1.14	7.73E-01	1.00E+00	na
0.89	0.82	0.97	6.19E-03	2.62E-01	0.219	0.90	0.83	0.98	1.99E-02	2.15E-01	0.293	0.93	0.82	1.04	2.12E-01	2.15E-01	0.293	0.84	0.78	0.91	1.74E-05	4.98E-01	0.000	0.84	0.78	0.91	1.74E-05	4.98E-01	0.000	0.82	0.72	0.93	1.76E-03	1.00E+00	na	0.82	0.72	0.93	1.76E-03	1.00E+00	na
1.07	1.03	1.11	5.10E-04	6.20E-01	0.000	1.06	1.00	1.12	4.59E-02	5.58E-01	0.000	1.06	1.00	1.12	4.59E-02	5.58E-01	0.000	1.08	1.03	1.13	1.31E-03	8.92E-01	0.000	1.08	1.03	1.13	1.31E-03	8.92E-01	0.000	1.09	1.01	1.18	2.43E-02	7.17E-01	0.000	1.09	1.01	1.18	2.43E-02	7.17E-01	0.000
1.02	0.90	1.16	7.32E-01	1.39E-02	0.624	0.98	0.90	1.07	6.41E-01	6.25E-01	0.000	0.98	0.90	1.07	6.41E-01	6.25E-01	0.000	1.10	1.02	1.19	1.29E-02	1.85E-02	0.820	1.08	0.89	1.30	4.43E-01	1.85E-02	0.820	0.97	0.85	1.11	6.75E-01	1.00E+00	na	0.97	0.85	1.11	6.75E-01	1.00E+00	na
0.99	0.93	1.06	7.56E-01	1.92E-01	0.310	1.04	0.97	1.11	2.65E-01	9.35E-01	0.000	1.04	0.97	1.11	2.65E-01	9.35E-01	0.000	0.96	0.91	1.02	1.71E-01	4.02E-03	0.879	0.98	0.83	1.15	8.04E-01	4.02E-03	0.879	1.07	0.98	1.17	1.54E-01	1.00E+00	na	1.07	0.98	1.17	1.54E-01	1.00E+00	na
1.01	0.94	1.09	7.94E-01	4.79E-02	0.528	1.00	0.94	1.06	9.65E-01	3.46E-02	0.584	1.00	0.90	1.11	9.78E-01	3.46E-02	0.584	1.04	0.99	1.10	9.50E-02	4.41E-01	0.000	1.04	0.99	1.10	9.50E-02	4.41E-01	0.000	1.03	0.95	1.12	4.39E-01	2.16E-01	0.346	1.05	0.93	1.18	4.41E-01	2.16E-01	0.346

Male

Marker	Chr	Position	EA	NEA	arcOGEN				TJR arcOGEN				deCODE				EGCUT				RS1				RS2				UK replication				TJR UK replication				Meta arcOGEN insilico denovo fixed						Meta arcOGEN insilico denovo random					
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
rs1854169	1	102046864	C	T	0.87	0.80	0.94	4.71E-04	0.88	0.81	0.96	2.94E-03	0.98	0.88	1.10	7.60E-01	1.27	0.78	2.05	3.39E-01	0.91	0.77	1.07	0.251	0.78	0.58	1.05	1.04E-01									0.90	0.85	0.96	8.13E-04	2.11E-01	0.316	0.91	0.84	0.99	3.12E-02	2.11E-01	0.316
rs1417066	1	217740451	G	A	1.08	1.02	1.16	1.33E-02	1.09	1.01	1.16	1.86E-02	1.06	0.96	1.16	2.30E-01					1.16	1.01	1.33	0.033	1.01	0.80	1.27	9.43E-01	1.02	0.91	1.14	7.29E-01	1.05	0.94	1.18	0.3771	1.07	1.03	1.12	1.92E-03	6.46E-01	0.000	1.07	1.03	1.12	1.92E-03	6.46E-01	0.000
rs1629896	1	223752551	G	A	1.14	1.02	1.28	2.33E-02	1.14	1.01	1.28	3.93E-02	0.96	0.80	1.15	6.68E-01	1.98	0.89	4.42	9.36E-02	0.92	0.72	1.16	0.47	0.61	0.36	1.04	7.01E-02									1.06	0.97	1.15	2.33E-01	3.38E-02	0.616	1.00	0.83	1.21	9.91E-01	3.38E-02	0.616
rs987179	1	242876559	A	G	0.99	0.92	1.06	8.03E-01	1.00	0.93	1.08	9.38E-01	1.01	0.91	1.12	8.80E-01	1.21	0.78	1.88	4.02E-01	1.04	0.90	1.20	0.633	0.98	0.76	1.28	8.98E-01									1.00	0.95	1.06	8.77E-01	9.00E-01	0.000	1.00	0.95	1.06	8.77E-01	9.00E-01	0.000
rs1024816	2	37454712	G	A	1.09	0.98	1.22	1.27E-01	1.11	0.99	1.25	8.18E-02	1.01	0.81	1.25	9.51E-01	0.93	0.47	1.83	8.37E-01	1.06	0.83	1.35	0.644	0.72	0.45	1.14	1.63E-01									1.05	0.96	1.15	2.64E-01	5.10E-01	0.000	1.05	0.96	1.15	2.64E-01	5.10E-01	0.000
rs3791679	2	55950396	G	A	0.85	0.79	0.92	2.73E-05	0.85	0.78	0.92	1.11E-04	1.07	0.94	1.21	2.98E-01	0.82	0.54	1.26	3.73E-01	1.02	0.87	1.19	0.815	0.82	0.62	1.09	1.80E-01									0.91	0.86	0.97	2.53E-03	1.63E-02	0.671	0.93	0.82	1.06	3.00E-01	1.63E-02	0.671
rs10779958	2	74609286	C	A	1.04	0.95	1.13	3.89E-01	1.06	0.97	1.16	2.19E-01	1.06	0.93	1.21	3.76E-01					0.88	0.73	1.07	0.203	1.27	0.92	1.76	1.52E-01									1.03	0.97	1.10	3.59E-01	2.10E-01	0.337	1.03	0.94	1.13	5.46E-01	2.10E-01	0.337
rs6754683	2	108522707	A	G	0.91	0.85	0.97	2.70E-03	0.91	0.85	0.97	5.96E-03	0.94	0.85	1.04	2.53E-01	0.95	0.64	1.39	7.83E-01	0.91	0.79	1.04	0.166	0.77	0.61	0.99	3.81E-02									0.91	0.87	0.96	1.77E-04	6.77E-01	0.000	0.91	0.87	0.96	1.77E-04	6.77E-01	0.000
rs4622728	2	125523313	T	C	0.96	0.90	1.03	2.54E-01	0.96	0.90	1.03	2.32E-01	0.98	0.89	1.08	7.14E-01	1.39	0.94	2.04	9.85E-02	1.02	0.89	1.16	0.798	0.78	0.61	0.99	3.93E-02									0.97	0.93	1.02	2.48E-01	1.27E-01	0.442	0.97	0.90	1.06	5.30E-01	1.27E-01	0.442
rs1432237	2	137524977	G	A	0.86	0.79	0.93	2.44E-04	0.85	0.78	0.93	3.47E-04	1.04	0.92	1.18	5.20E-01	1.04	0.64	1.68	8.72E-01	1.08	0.92	1.27	0.34	0.99	0.74	1.32	9.52E-01									0.94	0.88	1.00	3.79E-02	3.36E-02	0.617	0.98	0.87	1.11	7.57E-01	3.36E-02	0.617
rs12618428	2	151441225	G	A	0.84	0.76	0.93	4.09E-04	0.86	0.77	0.95	3.35E-03	1.14	0.99	1.32	7.84E-02					1.07	0.88	1.30	0.479	1.09	0.77	1.52	6.35E-01									0.95	0.88	1.02	1.58E-01	2.57E-03	0.790	1.01	0.84	1.22	8.99E-01	2.57E-03	0.790
rs6716254	2	175250720	C	T	0.93	0.87	1.00	3.83E-02	0.94	0.87	1.01	7.67E-02	1.11	1.00	1.24	5.30E-02	0.90	0.59	1.38	6.32E-01	0.94	0.81	1.09	0.403	1.12	0.87	1.44	3.96E-01									0.98	0.93	1.03	4.13E-01	6.16E-02	0.555	1.00	0.90	1.10	9.75E-01	6.16E-02	0.555
rs6793234	3	8801396	G	A	1.17	1.06	1.29	2.36E-03	1.11	0.99	1.23	6.64E-02	1.22	1.06	1.41	6.42E-03	0.88	0.48	1.60	6.68E-01	1.05	0.84	1.31	0.673	0.96	0.64	1.44	8.47E-01									1.16	1.07	1.25	1.73E-04	5.66E-01	0.000	1.16	1.07	1.25	1.73E-04	5.66E-01	0.000
rs11177	3	52696345	A	G	1.14	1.07	1.22	6.61E-05	1.16	1.08	1.24	3.47E-05	1.07	0.96	1.18	2.10E-01	1.46	0.99	2.15	5.76E-02	1.05	0.92	1.20	0.488	1.18	0.93	1.49	1.61E-01	1.08	0.97	1.21	1.62E-01	1.07	0.95	1.20	0.2603	1.11	1.06	1.16	4.62E-06	5.05E-01	0.000	1.11	1.06	1.16	4.62E-06	5.05E-01	0.000
rs6976	3	52703844	T	C	1.14	1.07	1.21	9.30E-05	1.15	1.08	1.24	4.45E-05	1.06	0.96	1.18	2.19E-01	1.46	0.99	2.15	5.88E-02	1.05	0.91	1.20	0.505	1.18	0.94	1.49	1.60E-01	1.10	0.98	1.23	1.03E-01	1.09	0.97	1.23	0.1558	1.11	1.06	1.16	3.32E-06	5.53E-01	0.000	1.11	1.06	1.16	3.32E-06	5.53E-01	0.000
rs10510816	3	59630570	A	C	1.03	0.97	1.10	3.53E-01	1.02	0.95	1.09	5.66E-01	0.97	0.88	1.07	5.56E-01					1.08	0.94	1.24	0.272	1.05	0.83	1.32	6.89E-01									1.02	0.97	1.07	3.69E-01	6.23E-01	0.000	1.02	0.97	1.07	3.69E-01	6.23E-01	0.000
rs1355782	3	132970356	C	T	0.89	0.84	0.96	9.08E-04	0.91	0.85	0.97	6.67E-03	0.95	0.86	1.05	2.91E-01	0.82	0.55	1.21	3.12E-01	0.86	0.75	0.98	0.03	0.78	0.61	0.99	4.43E-02									0.90	0.85	0.94	1.42E-05	5.61E-01	0.000	0.90	0.85	0.94	1.42E-05	5.61E-01	0.000
rs16851066	3	142325511	A	G	1.04	0.91	1.18	5.60E-01	1.04	0.90	1.19	6.18E-01	1.06	0.88	1.28	5.45E-01					1.07	0.82	1.39	0.61	1.30	0.87	1.94	2.02E-01									1.06	0.96	1.17	2.20E-01	7.81E-01	0.000	1.06	0.96	1.17	2.20E-01	7.81E-01	0.000
rs12107036	3	191082854	A	G	0.98	0.92	1.05	5.59E-01	1.00	0.93	1.07	9.06E-01	1.02	0.92	1.12	7.60E-01	1.40	0.95	2.05	8.69E-02	0.93	0.82	1.07	0.315	1.07	0.85	1.36	5.67E-01	1.01	0.90	1.12	9.24E-01	1.01	0.90	1.13	0.8659	0.99	0.95	1.04	7.49E-01	4.31E-01	0.000	0.99	0.95	1.04	7.49E-01	4.31E-01	0.000
rs16837352	4	5555175	T	G	1.04	0.95	1.13	4.56E-01	1.02	0.93	1.12	6.62E-01	0.91	0.85	0.98	1.17E-02					1.19	1.00	1.43	0.052	0.94	0.69	1.26	6.59E-01									0.98	0.93	1.03	3.75E-01	1.71E-02	0.705	1.01	0.90	1.13	8.89E-01	1.71E-02	0.705
rs17578878	4	37577120	T	C	0.89	0.80	0.98	1.99E-02	0.90	0.80	1.00	4.75E-02	1.04	0.89	1.21	6.39E-01	1.65	0.78	3.48	1.89E-01	1.05	0.86	1.29	0.632	0.84	0.57	1.26	4.03E-01									0.95	0.88	1.02	1.81E-01	1.64E-01	0.386	0.97	0.86	1.09	6.37E-01	1.64E-01	0.386
rs11725992	4	48082608	C	T	0.84	0.74	0.95	5.24E-03	0.81	0.71	0.93	2.92E-03	0.85	0.71	1.03	1.01E-01	1.11	0.50	2.46	8.02E-01	0.68	0.51	0.89	0.006	1.36	0.88	2.11	1.62E-01									0.84	0.77	0.93	5.18E-04	1.20E-01	0.453	0.86	0.73	1.01	6.39E-02	1.20E-01	0.453
rs12500935	4	114760230	A	G	1.14	1.03	1.27	1.50E-02	1.10	0.98	1.23	1.08E-01	1.08	0.93	1.25	3.39E-01					1.03	0.82	1.28	0.816	1.23	0.84	1.80	2.79E-01									1.11	1.03	1.20	8.66E-03	7.76E-01	0.000	1.11	1.03	1.20	8.66E-03	7.76E-01	0.000
rs1566347	4	186969560	T	C	0.91	0.85	0.98	9.28E-03	0.92	0.86	0.99	2.34E-02	0.98	0.89	1.09	7.20E-01	0.85	0.56	1.29	4.39E-01	1.05	0.91	1.21	0.473	0.90	0.71	1.15	4.18E-01									0.95	0.90	0.99	3.06E-02	4.14E-01	0.000	0.95	0.90	0.99	3.06E-02	4.14E-01	0.000
rs4957048	5	636442	A	G	0.87	0.80	0.94	4.00E-04	0.88	0.81	0.96	3.42E-03	0.89	0.79	1.00	5.84E-02	0.60	0.36	0.99	4.74E-02	0.90	0.77	1.06	0.209	1.23	0.94	1.61	1.39E-01	0.95	0.83	1.08	4.33E-01	0.98	0.85	1.12	0.7584	0.90	0.85	0.95	7.33E-05	1.14E-01	0.437	0.91	0.84	0.99	2.39E-02	1.14E-01	0.437
rs2610424	5	71292415	C	T	1.05	0.98	1.12	1.47E-01	1.04	0.97	1.11	2.98E-01	1.11	1.01	1.23	3.96E-02	0.75	0.50	1.12	1.56E-01	1.00	0.87	1.14	0.968	0.93	0.74	1.17	5.28E-01									1.05	1.00	1.10	7.14E-02	2.41E-01	0.272	1.04	0.97	1.11	2.80E-01	2.41E-01	0.272
rs457008	5	81110411	T	C	0.93	0.88	0.99	3.10E-02	0.95	0.89	1.02	1.52E-01	1.00	0.91	1.10	9.64E-01	1.01	0.69	1.49	9.52E-01	1.02	0.89	1.18	0.728	1.20	0.96	1.51	1.11E-01									0.97	0.93	1.02	2.45E-01	2.04E-01	0.326	0.99	0.92	1.06	7.87E-01	2.04E-01	0.326
rs10036746	5	91780688	A	G	1.16	1.04	1.29	6.64E-03	1.21	1.08	1.36	7.92E-04	0.88	0.74	1.05	1.53E-01					1.25	1.02	1.53	0.03	1.09	0.74	1.61	6.70E-01									1.10	1.02	1.20	1.94E-02	3.36E-02	0.655	1.09	0.92	1.28	3.20E-01	3.36E-02	0.655
rs10515550	5	144792886	T	C	0.91	0.85	0.97	3.20E-03	0.90	0.84	0.97	3.57E-03	1.03	0.93	1.13	6.08E-01					1.02	0.89	1.16	0.801	0.87	0.69	1.09	2.22E-01									0.95	0.90	1.00	3.18E-02	1.16E-01	0.493	0.96	0.89	1.04	3.19E-01	1.16E-01	0.493
rs13167773	5	148567182	T	C	0.92	0.84	1.01	7.04E-02	0.91	0.83	1.01	6.77E-02	0.94	0.85	1.03	2.04E-01					1.07	0.88	1.30	0.485	1.01	0.70	1.44	9.63E-01									0.94	0.89	1.00	7.06E-02	5.57E-01	0.000	0.94	0.89	1.00	7.06E-02	5.57E-01	0.000
rs10051783	5	167755230	T	C	0.98	0.90	1.08	7.16E-01	0.99	0.90	1.09	8.85E-01	1.06	0.93	1.22	3.93E-01	1.42	0.84	2.40	1.87E-01	0.91	0.76	1.10	0.334	0.84	0.60	1.17	2.96E-01									0.99	0.93	1.06	7.79E-01	3.24E-01	0.142	0.99	0.91	1.07	8.07E-01	3.24E-01	0.142
rs10948172	6	44885669	G	A	1.17	1.10	1.26	5.02E-06	1.17	1.09	1.26	1.51E-05	1.08	0.97	1.20	1.77E-01					1.10	0.95	1.27	0.198	1.11	0.87	1.42	3.99E-01	1.16	1.03	1.30	1.63E-02	1.20	1.06	1.36	0.003453	1.14	1.09	1.20	7.92E-08	7.35E-01	0.000	1.14	1.09	1.20	7.92E-08	7.35E-01	0.000
rs9350591	6	76298247	T	C	1.14	1.03	1.25	1.06E-02	1.15	1.03	1.27	9.22E-03	1.09	0.93	1.26	2.85E-01	1.54	0.92	2.59	1.03E-01	1.23	1.01	1.51	0.04	0.88	0.60	1.29	5.01E-01	1.04	0.87	1.23	7.06E-01	0.98	0.81	1.18	0.8331	1.12	1.04	1.20	1.34E-03	4.32E-01	0.000	1.12	1.04	1.20	1.34E-03	4.32E-01	0.000
rs10943837	6	82727239	T	C	1.05	0.98	1.12	1.36E-01	1.04	0.97	1.12	2.83E-01	0.95	0.85	1.05	3.03E-01	1.03	0.67	1.57	9.01E-01	0.94	0.82	1.08	0.371	1.18	0.92	1.52	1.86E-01									1.02	0.97	1.07	5.61E-01	2.39E-01	0.273	1.01	0.94	1.08	8.26E-01	2.39E-01	0.273
rs2493984	6	95440213	G	A	1.04	0.97	1.11	3.25E-01	1.04	0.97	1.12	2.97E-01	0.95	0.85	1.07	4.06E-01	1.04	0.67	1.60	8.57E-01	1.07	0.92	1.23	0.371	1.00	0.78	1.28	9.78E-01	1.05	0.93	1.18	4.05E-01	1.06	0.93	1.20	0.3734	1.02	0.98	1.07	3.35E-01	8.17E-01	0.000	1.02	0.98	1.07	3.35E-01	8.17E-01	0.000
rs7755798	6	109743847	T	C	1.21	1.11	1.31	1.04E-05	1.22	1.12	1.33	1.00E-05	1.04	0.91	1.20	5.35E-01	0.71	0.41	1.25	2.39E-01	1.00	0.85	1.18	0.991	0.90	0.67	1.22	5.11E-01									1.11	1.05	1.19	7.60E-04	3.66E-02	0.609	1.05	0.92	1.19	4.83E-01	3.66E-02	0.609
rs2027532	6	112741889	C	T	1.17	1.09	1.26	4.09E-05	1.18	1.09	1.28	3.62E-05	1.05	0.94	1.18	3.96E-01	1.16	0.77	1.75	4.76E-01	1.00	0.86	1.18	0.957	1.24	0.95	1.61	1.14E-01									1.12	1.06	1.18	8.77E-05	2.71E-01	0.225	1.11	1.03	1.19	5.23E-03	2.71E-01	0.225
rs6931833	6	114078284	A	G	0.93	0.87	1.01	6.84E-02	0.91	0.84	0.98	1.63E-02	1.12	1.01	1.25	3.74E-02					1.01	0.87	1.18	0.864	1.08	0.83	1.41	5.49E-01									1.00	0.94	1.05	9.01E-01	4.54E-02	0.626	1.02	0.92	1.13	6.93E-01	4.54E-02	0.626
rs17627827	7	16731521	G	A	0.77	0.67	0.88	1.79E-04	0.75	0.65	0.86	9.07E-05									1.02	0.79	1.32	0.872	0.83	0.52	1.32	4.37E-01									0.82	0.73	0.92	8.96E-04	1.69E-01	0.438	0.85	0.70	1.03	1.05E-01	1.69E-01	0.438
rs6461679	7	22976588	T	C	0.99	0.93	1.06	7.36E-01	1.00	0.93	1.07	9.33E-01	0.95	0.86	1.05	3.39E-01	0.82	0.56	1.20	3.04E-01	1.02	0.89	1.17	0.795	1.03	0.82	1.31	7.77E-01									0.98	0.94	1.03	4.96E-01	7.76E-01	0.000	0.98	0.94	1.03	4.96E-01	7.76E-01	0.000
rs7785659	7	32427540	T	C	1.24	1.14	1.36	1.13E-06	1.23	1.12	1.35	1.48E-05	0.98	0.83	1.16	8.48E-01	0.73	0.44	1.21	2.29E-01	1.05	0.88	1.27	0.584	1.26	0.94	1.71	1.24E-01	1.13	0.97	1.32	1.12E-01	1.18	1.01	1.39	0.04254	1.15	1.08	1.23	1.13E-05	5.31E-02	0.542	1.11	0.99	1.24	6.46E-02	5.31E-02	0.542
rs7805536	7	32540095	C	T	1.24	1.14	1.35	6.99E-07	1.22	1.12	1.34	1.02E-05	0.96	0.83	1.12	6.29E-01					1.09	0.91	1.29	0.344	1.25	0.94	1.66	1.24E-01	1.12	0.96	1.30	1.43E-01	1.18	1.02	1.38	0.03163	1.15	1.08	1.22	3.94E-06	5.96E-02	0.559	1.12	1.01	1.25	2.52E-02	5.96E-02	0.559
rs1859572	7	76870933	T	C	1.09	1.01	1.18	2.39E-02	1.07	0.99	1.16	8.82E-02	0.98	0.87	1.10	7.24E-01	0.80	0.50	1.29	3.63E-01	1.00	0.85	1.18	0.959	1.06	0.80	1.40	7.05E-01									1.05	0.99	1.11	1.23E-01	4.23E-01	0.000	1.05	0.99	1.11	1.23E-01	4.23E-01	0.000
rs6466265	7	77998184	G	A	1.04	0.96	1.13	2.95E-01	1.04	0.96	1.14	3.13E-01	1.01	0.89	1.15	8.97E-01					0.80	0.68	0.94	0.007	1.25	0.95	1.63	1.10E-01	0.80	0.69	0.92	2.47E-03	0.76	0.65	0.89	0.000583	0.97	0.92	1.03	3.36E-01	7.48E-04	0.791	0.95	0.83	1.09	4.87E-01	7.48E-04	0.791
rs2966417	7	109944782	A	G	0.96	0.89	1.03	2.43E-01	0.95	0.87	1.03	1.74E-01	0.94	0.84	1.06	3.42E-01	0.77	0.48	1.25	2.89E-01	0.94	0.80	1.11	0.496	0.90	0.68	1.18	4.45E-01									0.95	0.89	1.00	5.65E-02	9.23E-01	0.000	0.95	0.89	1.00	5.65E-02	9.23E-01	0.000
rs4841020	8	8638760	G	A	1.01	0.93	1.10	8.36E-01	1.03	0.94	1.13	5.49E-01	0.93	0.82	1.06	2.79E-01	1.40	0.82	2.40	2.13E-01	1.00	0.84	1.19	0.98	1.14	0.84	1.56	3.91E-01									1.00	0.94	1.06	9.40E-01	4.81E-01	0.000	1.00	0.94	1.06	9.40E-01	4.81E-01	0.000
rs1876836	8	8719166	T	C	1.01	0.93	1.08	8.74E-01	1.00	0.93	1.09	9.46E-01	0.99	0.88	1.10	8.22E-01	1.17	0.74	1.84	4.94E-01	1.12	0.96	1.30	0.142	1.11	0.84	1.45	4.65E-01	1.05	0.92	1.19	5.03E-01	1.04	0.90	1.18	0.6211	1.03	0.97	1.08	3.35E-01	7.50E-01	0.000	1.03	0.97	1.08	3.35E-01	7.50E-01	0.000
rs4841067	8	8784655	G	A	1.02	0.93	1.12	6.42E-01	1.02	0.93	1.12	6.61E-01	1.06	0.93	1.21	3.73E-01	1.01	0.59	1.74	9.65E-01	1.07	0.89	1.29	0.447	1.06	0.77	1.47	7.13E-01									1.04	0.97	1.11	2.58E-01	9.84E-01	0.000	1.04	0.97	1.11	2.58E-01	9.84E-01	0.000
rs609792	8	9857300	T	C	0.97	0.90	1.05	4.44E-01	0.97	0.89	1.05	4.53E-01	0.95	0.84	1.06	3.47E-01					0.98	0.83	1.15	0.806	0.89	0.66	1.19	4.26E-01									0.96	0.91	1.02	1.93E-01	9.27E-01	0.000	0.96	0.91	1.02	1.93E-01	9.27E-01	0.000
rs6997710	8	10247861	G	A	1.03	0.92	1.15	6.16E-01	1.02	0.90	1.14	7.91E-01	1.03	0.87	1.23	6.96E-01	1.56	0.85	2.87	1.49E-01	0.91	0.70	1.19	0.494	0.88	0.56	1.38	5.68E-01									1.02	0.94	1.11	6.54E-01	5.40E-01	0.000	1.02	0.94	1.11	6.54E-01	5.40E-01	0.000
rs1421259	8	15607043	A	G	1.09	1.02	1.16	1.54E-02	1.11	1.03	1.19	5.31E-03	0.91	0.82	1.00	5.97E-02					1.10	0.96	1.27	0.155	0.95	0.75	1.20	6.42E-01									1.03	0.98	1.09	1.89E-01	1.99E-02	0.695	1.02	0.91	1.13	7.81E-01	1.99E-02	0.695
rs2289496	8	98357340	C	A	0.92	0.86	0.99	1.61E-02	0.92	0.86	0.98	1.60E-02	0.90	0.81	1.00	4.79E-02	1.17	0.79	1.72	4.34E-01	1.11	0.96	1.27	0.152	1.09	0.86	1.39	4.77E-01									0.95	0.90	1.00	3.91E-02	7.37E-02	0.532	0.98	0.89	1.08	6.89E-01	7.37E-02	0.532
rs16870112	8	104191422	A	C	1.12	1.00	1.26	4.94E-02	1.15	1.02	1.29	2.52E-02	1.14	0.97	1.35	1.10E-01	1.23	0.55	2.76	6.09E-01	0.94	0.75	1.19	0.623	0.72	0.46	1.13	1.51E-01									1.08	1.00	1.18	6.38E-02	2.34E-01	0.281	1.06	0.95	1.19	3.06E-01	2.34E-01	0.281
rs4072286	8	142805713	G	T	1.01	0.94	1.08	8.13E-01	1.01	0.94	1.08	8.17E-01	1.02	0.93	1.12	6.84E-01	1.30	0.84	2.01	2.49E-01	0.96	0.82	1.12	0.581	0.94	0.74	1.21	6.34E-01									1.01	0.96	1.06	7.89E-01	7.41E-01	0.000	1.01	0.96	1.06	7.89E-01	7.41E-01	0.000
rs2146423	9	4647040	G	A	0.98	0.92	1.05	5.86E-01	1.00	0.93	1.07	9.57E-01	0.98	0.90	1.07	6.92E-01					1.01	0.88	1.16	0.849	1.08	0.85	1.36	5.39E-01									0.99	0.94	1.04	6.57E-01	8.83E-01	0.000	0.99	0.94	1.04	6.57E-01	8.83E-01	0.000
rs945442	9	18917768	C	A	1.09	1.01	1.17	3.31E-02	1.09	1.00	1.18	4.41E-02	0.95	0.85	1.07	4.05E-01	0.97	0.62	1.51	8.87E-01	0.99	0.84	1.16	0.863	1.08	0.82	1.41	5.99E-01									1.04	0.98	1.10	2.20E-01	3.95E-01	0.020	1.03	0.98	1.10	2.47E-01	3.95E-01	0.020
rs3780296	9	79327254	C	T	1.06	0.99	1.13	8.73E-02	1.05	0.98	1.13	1.34E-01	0.92	0.83	1.01	8.57E-02	1.08	0.73	1.59	6.96E-01	1.04	0.91	1.20	0.561	0.96	0.76	1.22	7.49E-01									1.02	0.97	1.07	5.13E-01	1.96E-01	0.338	1.01	0.94	1.08	8.72E-01	1.96E-01	0.338
rs4836732	9	118306516	C	T	1.00	0.94	1.07	8.90E-01	1.01	0.95	1.08	7.39E-01	1.02	0.92	1.12	7.64E-01	1.07	0.72	1.59	7.31E-01	0.96	0.84	1.10	0.586	0.86	0.68	1.08	1.92E-01	0.97	0.87	1.09	6.29E-01	1.01	0.90	1.13	0.9257	0.99	0.95	1.04	7.11E-01	8.00E-01	0.000	0.99	0.95	1.04	7.11E-01	8.00E-01	0.000
rs2900277	9	131434091	G	T	0.95	0.88	1.03	1.94E-01	0.95	0.88	1.03	2.29E-01	0.91	0.81	1.02	1.15E-01	0.81	0.53	1.23	3.24E-01	0.82	0.70	0.97	0.018	0.95	0.72	1.25	7.07E-01	1.02	0.90	1.16	7.54E-01	1.04	0.91	1.19	0.5646	0.94	0.89	0.99	1.33E-02	3.80E-01	0.057	0.94	0.89	0.99	1.76E-02	3.80E-01	0.057
rs9299558	10	56603927	A	C	0.89	0.84	0.95	4.18E-04	0.87	0.82	0.93	9.14E-05	1.12	1.02	1.24	1.98E-02					1.02	0.89	1.16	0.822	1.00	0.79	1.25	9.66E-01									0.96	0.92	1.01	1.44E-01	1.22E-03	0.811	1.00	0.88	1.14	9.81E-01	1.22E-03	0.811
rs787640	10	95114663	G	A	0.97	0.91	1.05	4.75E-01	0.96	0.89	1.04	3.44E-01	1.03	0.92	1.15	5.93E-01					0.97	0.83	1.12	0.659	0.81	0.62	1.06	1.29E-01									0.98	0.93	1.04	4.69E-01	4.36E-01	0.000	0.98	0.93	1.04	4.69E-01	4.36E-01	0.000
rs11188412	10	97391986	A	G	0.78	0.69	0.89	2.54E-04	0.80	0.69	0.92	1.41E-03	1.05	0.85	1.29	6.54E-01	0.86	0.41	1.80	6.90E-01	1.03	0.79	1.34	0.838	1.02	0.65	1.61	9.31E-01	1.06	0.86	1.32	5.83E-01	1.12	0.90	1.40	0.3068	0.91	0.83	1.00	4.24E-02	7.71E-02	0.497	0.95	0.82	1.10	5.30E-01	7.71E-02	0.497
rs4757420	11	12371653	T	G	0.94	0.86	1.02	1.30E-01	0.93	0.85	1.02	1.20E-01	0.95	0.83	1.10	4.95E-01	0.95	0.60	1.53	8.43E-01	0.89	0.73	1.07	0.218	0.69	0.49	0.97	3.40E-02									0.92	0.86	0.99	2.00E-02	5.23E-01	0.000	0.92	0.86	0.99	2.00E-02	5.23E-01	0.000
rs7119797	11	61922811	T	C	0.98	0.92	1.04	5.34E-01	0.98	0.92	1.05	5.44E-01	0.97	0.88	1.06	4.90E-01					1.04	0.91	1.19	0.58	0.96	0.75	1.21	7.03E-01									0.98	0.94	1.03	4.92E-01	8.34E-01	0.000	0.98	0.94	1.03	4.92E-01	8.34E-01	0.000
rs17159801	11	82496946	A	G	1.13	1.02	1.24	1.67E-02	1.16	1.05	1.28	5.00E-03	1.01	0.88	1.15	8.95E-01					1.25	1.01	1.56	0.041	1.13	0.77	1.65	5.42E-01									1.10	1.03	1.19	7.32E-03	3.65E-01	0.057	1.10	1.02	1.19	1.14E-02	3.65E-01	0.057
rs2691829	11	90240224	T	C	1.09	1.02	1.17	7.19E-03	1.10	1.02	1.18	8.51E-03	1.05	0.95	1.16	3.74E-01					0.90	0.79	1.04	0.142	0.88	0.69	1.11	2.76E-01									1.05	0.99	1.10	8.43E-02	4.10E-02	0.637	1.01	0.91	1.11	9.10E-01	4.10E-02	0.637
rs6589848	11	120229228	T	C	1.03	0.95	1.11	5.07E-01	1.00	0.92	1.09	9.34E-01	0.94	0.83	1.07	3.76E-01					1.03	0.87	1.22	0.718	1.06	0.79	1.42	6.89E-01									1.01	0.95	1.07	7.73E-01	7.02E-01	0.000	1.01	0.95	1.07	7.73E-01	7.02E-01	0.000
rs7941193	11	125876053	A	G	0.95	0.88	1.04	2.58E-01	0.94	0.86	1.02	1.39E-01	1.07	0.95	1.21	2.57E-01	1.65	1.02	2.67	4.20E-02	1.11	0.94	1.31	0.227	0.77	0.56	1.06	1.04E-01	0.89	0.77	1.03	1.06E-01	0.89	0.77	1.03	0.1114	0.98	0.93	1.04	5.87E-01	2.18E-02	0.621	1.00	0.90	1.11	9.66E-01	2.18E-02	0.621
rs7122854	11	132673733	G	A	1.21	1.12	1.32	3.58E-06	1.22	1.12	1.33	8.87E-06	0.95	0.83	1.09	4.74E-01					1.03	0.87	1.22	0.728	0.94	0.69	1.29	7.21E-01									1.11	1.04	1.19	1.02E-03	1.05E-02	0.733	1.05	0.91	1.22	5.07E-01	1.05E-02	0.733
rs7305794	12	24860894	T	C	1.01	0.94	1.08	8.30E-01	1.00	0.92	1.07	9.26E-01	0.88	0.78	0.99	2.86E-02					1.00	0.86	1.16	0.999	0.96	0.74	1.24	7.54E-01									0.97	0.92	1.03	3.48E-01	2.56E-01	0.259	0.97	0.90	1.04	3.52E-01	2.56E-01	0.259
rs10492367	12	27906237	T	G	1.15	1.07	1.25	4.42E-04	1.16	1.06	1.26	7.38E-04	0.99	0.87	1.12	8.42E-01	1.77	1.11	2.82	1.62E-02	1.03	0.88	1.21	0.696	0.96	0.71	1.31	7.98E-01	1.03	0.89	1.18	7.14E-01	1.03	0.89	1.19	0.687	1.08	1.03	1.14	4.33E-03	6.57E-02	0.517	1.07	0.97	1.17	1.60E-01	6.57E-02	0.517
rs6487684	12	28534480	T	C	1.01	0.94	1.09	7.80E-01	1.01	0.93	1.09	8.67E-01	1.07	0.96	1.21	2.31E-01	0.75	0.49	1.15	1.89E-01	0.99	0.84	1.17	0.913	1.23	0.93	1.61	1.46E-01									1.03	0.97	1.09	3.73E-01	3.33E-01	0.127	1.03	0.96	1.10	4.16E-01	3.33E-01	0.127
rs1034762	12	46675910	A	C	1.23	1.13	1.35	2.56E-06	1.27	1.16	1.39	4.36E-07	1.02	0.88	1.18	8.17E-01	0.73	0.45	1.18	1.99E-01	1.17	0.97	1.40	0.102	1.14	0.83	1.56	4.10E-01									1.16	1.09	1.24	1.46E-05	7.80E-02	0.524	1.12	0.99	1.26	7.87E-02	7.80E-02	0.524
rs1404866	12	83888610	T	G	1.06	0.99	1.15	1.10E-01	1.06	0.98	1.14	1.80E-01	0.91	0.80	1.04	1.83E-01					0.96	0.82	1.12	0.597	1.12	0.85	1.46	4.22E-01									1.02	0.96	1.08	5.16E-01	1.86E-01	0.376	1.01	0.92	1.10	9.06E-01	1.86E-01	0.376
rs835487	12	103584897	G	A	1.05	0.98	1.12	1.43E-01	1.06	0.98	1.13	1.27E-01	1.18	1.06	1.30	1.61E-03	1.20	0.80	1.80	3.85E-01	1.03	0.89	1.19	0.673	0.81	0.63	1.04	9.20E-02	0.96	0.86	1.08	5.21E-01	0.98	0.87	1.11	0.8057	1.05	1.00	1.10	3.41E-02	3.80E-02	0.575	1.04	0.95	1.13	3.97E-01	3.80E-02	0.575
rs11064722	12	118157566	T	C	1.13	1.04	1.22	2.28E-03	1.16	1.07	1.26	5.01E-04	1.02	0.92	1.14	6.44E-01	0.75	0.44	1.26	2.76E-01	1.09	0.92	1.28	0.319	0.89	0.66	1.19	4.23E-01									1.08	1.02	1.14	1.12E-02	2.12E-01	0.314	1.06	0.98	1.15	1.61E-01	2.12E-01	0.314
rs9520058	13	105855421	G	T	0.91	0.85	0.97	6.31E-03	0.87	0.81	0.94	1.99E-04	1.05	0.95	1.16	3.49E-01					1.01	0.88	1.16	0.85	0.94	0.74	1.20	6.48E-01									0.96	0.91	1.01	1.00E-01	1.19E-01	0.488	0.97	0.90	1.06	5.36E-01	1.19E-01	0.488
rs7155791	14	49487980	T	C	1.19	1.09	1.31	2.11E-04	1.25	1.13	1.37	9.52E-06	0.99	0.86	1.14	9.06E-01	0.73	0.41	1.28	2.67E-01	1.06	0.87	1.29	0.535	0.98	0.68	1.41	9.16E-01									1.10	1.03	1.18	5.27E-03	1.08E-01	0.472	1.06	0.94	1.20	3.20E-01	1.08E-01	0.472
rs11634255	15	30874764	G	A	1.17	1.10	1.25	1.34E-06	1.18	1.10	1.26	2.02E-06	1.01	0.92	1.11	8.28E-01					0.94	0.83	1.08	0.393	1.02	0.81	1.28	8.79E-01									1.08	1.03	1.14	7.47E-04	4.39E-03	0.771	1.04	0.93	1.17	4.93E-01	4.39E-03	0.771
rs4646626	15	56043419	C	T	1.07	1.01	1.14	3.18E-02	1.05	0.98	1.13	1.48E-01	1.07	0.97	1.18	1.62E-01	1.11	0.75	1.63	6.00E-01	1.01	0.89	1.15	0.879	0.80	0.63	1.01	6.05E-02									1.05	1.00	1.10	4.17E-02	1.83E-01	0.358	1.04	0.96	1.11	3.30E-01	1.83E-01	0.358
rs8032755	15	91403060	A	G	0.90	0.85	0.96	2.08E-03	0.88	0.83	0.95	4.87E-04	0.91	0.84	0.99	2.12E-02					1.08	0.94	1.24	0.282	0.97	0.76	1.23	7.81E-01	0.93	0.83	1.04	1.74E-01	0.88	0.79	0.99	0.03863	0.93	0.89	0.97	4.54E-04	2.33E-01	0.282	0.93	0.88	0.99	1.37E-02	2.33E-01	0.282
rs2908646	16	4971845	A	G	1.13	1.06	1.21	1.05E-04	1.11	1.04	1.19	1.76E-03	0.99	0.90	1.09	8.03E-01					0.96	0.84	1.09	0.528	1.02	0.81	1.29	8.82E-01									1.07	1.02	1.12	8.32E-03	3.77E-02	0.645	1.03	0.94	1.14	4.92E-01	3.77E-02	0.645
rs12596722	16	9324789	C	A	1.09	1.02	1.16	1.61E-02	1.07	0.99	1.15	8.20E-02	1.03	0.93	1.14	5.49E-01					1.02	0.89	1.18	0.743	1.02	0.79	1.32	8.78E-01									1.06	1.01	1.12	2.50E-02	7.64E-01	0.000	1.06	1.01	1.12	2.50E-02	7.64E-01	0.000
rs12923310	16	9695438	T	G	0.83	0.78	0.89	7.45E-08	0.83	0.77	0.89	1.59E-07	1.04	0.94	1.14	4.97E-01					1.06	0.92	1.22	0.437	0.95	0.74	1.20	6.46E-01									0.91	0.87	0.96	4.13E-04	5.05E-04	0.831	0.96	0.83	1.11	5.78E-01	5.05E-04	0.831
rs8044769	16	52396636	T	C	0.96	0.90	1.03	2.26E-01	0.96	0.90	1.03	2.29E-01	1.09	0.99	1.21	7.21E-02	1.06	0.72	1.55	7.67E-01	1.02	0.89	1.16	0.804	1.00	0.80	1.27	9.76E-01	0.93	0.83	1.04	1.87E-01	0.92	0.82	1.03	0.1415	0.99	0.95	1.03	6.68E-01	2.67E-01	0.222	1.00	0.94	1.05	8.68E-01	2.67E-01	0.222
rs9937815	16	54888333	G	A	1.05	0.98	1.12	2.00E-01	1.07	1.00	1.15	6.32E-02	1.00	0.90	1.11	9.78E-01					1.00	0.87	1.15	0.978	1.03	0.81	1.30	8.33E-01									1.03	0.98	1.08	3.05E-01	8.89E-01	0.000	1.03	0.98	1.08	3.05E-01	8.89E-01	0.000
rs7404629	16	64970230	A	G	0.97	0.90	1.05	4.65E-01	0.96	0.88	1.04	3.39E-01	1.00	0.88	1.14	9.80E-01	1.49	0.89	2.50	1.26E-01	1.02	0.86	1.20	0.827	0.89	0.66	1.19	4.17E-01									0.99	0.93	1.05	6.42E-01	4.98E-01	0.000	0.99	0.93	1.05	6.42E-01	4.98E-01	0.000
rs4078062	17	16919559	A	G	1.03	0.93	1.14	5.42E-01	1.02	0.91	1.13	7.75E-01	1.02	0.86	1.21	7.83E-01	0.86	0.48	1.57	6.32E-01	0.89	0.72	1.09	0.263	0.89	0.60	1.32	5.59E-01									1.00	0.93	1.08	9.76E-01	7.04E-01	0.000	1.00	0.93	1.08	9.76E-01	7.04E-01	0.000
rs8080960	17	67298538	G	A	1.03	0.96	1.09	4.44E-01	1.03	0.96	1.10	3.70E-01	0.99	0.89	1.09	7.82E-01	1.41	0.96	2.06	7.77E-02	1.10	0.96	1.26	0.154	1.01	0.80	1.28	9.19E-01									1.03	0.98	1.08	2.41E-01	3.69E-01	0.067	1.03	0.98	1.09	2.61E-01	3.69E-01	0.067
rs11665347	18	10468812	A	G	0.90	0.84	0.96	2.75E-03	0.91	0.84	0.98	1.04E-02	0.90	0.81	1.01	6.50E-02					1.03	0.89	1.19	0.732	1.04	0.81	1.34	7.40E-01									0.92	0.87	0.97	2.95E-03	2.84E-01	0.210	0.93	0.87	0.99	3.06E-02	2.84E-01	0.210
rs17089382	18	70369681	T	C	1.22	1.10	1.35	1.05E-04	1.24	1.12	1.38	5.29E-05	0.94	0.82	1.07	3.37E-01					0.92	0.75	1.14	0.463	1.08	0.76	1.54	6.81E-01									1.08	1.00	1.16	3.77E-02	6.33E-03	0.757	1.04	0.87	1.23	6.89E-01	6.33E-03	0.757
rs12974139	19	2135005	C	T	0.89	0.83	0.95	3.22E-04	0.89	0.83	0.95	9.60E-04	1.00	0.91	1.10	9.99E-01					0.93	0.81	1.07	0.298	1.25	1.00	1.58	5.37E-02	0.98	0.87	1.09	6.94E-01	0.94	0.83	1.06	0.2884	0.94	0.90	0.98	8.70E-03	2.64E-02	0.637	0.97	0.89	1.06	4.94E-01	2.64E-02	0.637
rs10426443	19	8017982	G	A	1.04	0.96	1.13	3.84E-01	1.03	0.95	1.13	4.64E-01	1.07	0.95	1.21	2.73E-01	1.07	0.66	1.75	7.74E-01	1.10	0.93	1.31	0.268	1.08	0.80	1.46	5.99E-01									1.06	0.99	1.12	8.04E-02	9.74E-01	0.000	1.06	0.99	1.12	8.04E-02	9.74E-01	0.000
rs10426377	19	53784046	A	C	1.01	0.94	1.09	7.90E-01	1.01	0.93	1.09	8.97E-01	1.07	1.01	1.13	3.28E-02					1.00	0.85	1.17	0.948	1.05	0.80	1.37	7.26E-01									1.04	1.00	1.09	7.47E-02	6.66E-01	0.000	1.04	1.00	1.09	7.47E-02	6.66E-01	0.000
rs1360400	20	22909890	A	G	1.00	0.94	1.07	9.68E-01	1.00	0.93	1.07	9.76E-01	1.01	0.92	1.12	7.73E-01	1.01	0.68	1.49	9.77E-01	0.96	0.84	1.10	0.58	1.07	0.84	1.37	5.98E-01									1.00	0.95	1.05	9.98E-01	9.48E-01	0.000	1.00	0.95	1.05	9.98E-01	9.48E-01	0.000
rs17785895	20	47866466	G	A	0.90	0.81	0.99	3.64E-02	0.88	0.79	0.98	1.62E-02	1.03	0.89	1.19	6.74E-01	0.73	0.35	1.53	4.11E-01	0.97	0.78	1.21	0.776	1.20	0.83	1.73	3.43E-01									0.95	0.88	1.02	1.83E-01	3.51E-01	0.097	0.96	0.88	1.04	3.02E-01	3.51E-01	0.097
rs4925370	20	60300986	G	A	1.03	0.97	1.10	3.56E-01	1.02	0.95	1.09	6.42E-01	1.07	0.97	1.18	1.86E-01					1.04	0.91	1.19	0.552	1.03	0.82	1.30	7.80E-01	0.98	0.88	1.10	7.39E-01	0.98	0.87	1.10	0.7241	1.03	0.99	1.08	1.75E-01	8.67E-01	0.000	1.03	0.99	1.08	1.75E-01	8.67E-01	0.000
rs3747081	22	19682120	A	G	1.00	0.90	1.10	9.35E-01	1.01	0.91	1.12	8.88E-01	1.08	0.93	1.25	3.41E-01	0.87	0.52	1.46	6.06E-01	1.11	0.90	1.36	0.315	0.97	0.68	1.39	8.74E-01									1.02	0.95	1.10	5.21E-01	7.83E-01	0.000	1.02	0.95	1.10	5.21E-01	7.83E-01	0.000
rs7287616	22	22259852	T	C	0.89	0.83	0.96	2.53E-03	0.87	0.80	0.94	4.38E-04	0.97	0.87	1.08	6.19E-01	1.24	0.54	2.84	6.08E-01	0.94	0.81	1.09	0.408	0.84	0.64	1.11	2.16E-01									0.92	0.87	0.97	2.52E-03	6.13E-01	0.000	0.92	0.87	0.97	2.52E-03	6.13E-01	0.000
rs5762347	22	26489672	A	G	1.12	1.05	1.20	7.55E-04	1.12	1.04	1.20	2.32E-03	1.11	1.00	1.24	4.97E-02					1.06	0.91	1.25	0.446	1.31	1.03	1.66	2.73E-02	1.02	0.90	1.14	7.79E-01	1.02	0.90	1.15	0.7471	1.10	1.05	1.16	5.58E-05	3.58E-01	0.086	1.10	1.05	1.16	2.33E-04	3.58E-01	0.086

Meta insilico denovo fixed						Meta insilico denovo random						Meta TJR arcOGEN insilico denovo fixed						Meta TJR arcOGEN insilico denovo random						Meta TJR insilico denovo fixed						Meta TJR insilico denovo random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.95	0.87	1.04	2.59E-01	3.08E-01	0.166	0.95	0.85	1.05	2.98E-01	3.08E-01	0.166	0.91	0.85	0.98	1.02E-02	1.27E-01	0.570	0.92	0.83	1.03	1.45E-01	1.27E-01	0.570	0.98	0.88	1.10	7.61E-01	1.00E+00	na	0.98	0.88	1.10	7.61E-01	1.00E+00	na
1.06	1.00	1.13	5.43E-02	5.17E-01	0.000	1.06	1.00	1.13	5.43E-02	5.17E-01	0.000	1.07	1.02	1.13	6.14E-03	8.67E-01	0.000	1.07	1.02	1.13	6.14E-03	8.67E-01	0.000	1.06	0.98	1.14	1.37E-01	9.45E-01	0.000	1.06	0.98	1.14	1.37E-01	9.45E-01	0.000
0.94	0.82	1.08	3.76E-01	1.15E-01	0.494	0.94	0.74	1.19	5.87E-01	1.15E-01	0.494	1.08	0.98	1.19	1.40E-01	1.35E-01	0.552	1.06	0.90	1.25	4.79E-01	1.35E-01	0.552	0.96	0.80	1.15	6.69E-01	1.00E+00	na	0.96	0.80	1.15	6.69E-01	1.00E+00	na
1.02	0.94	1.11	6.04E-01	8.60E-01	0.000	1.02	0.94	1.11	6.04E-01	8.60E-01	0.000	1.00	0.95	1.07	8.79E-01	9.38E-01	0.000	1.00	0.95	1.07	8.79E-01	9.38E-01	0.000	1.01	0.91	1.12	8.80E-01	1.00E+00	na	1.01	0.91	1.12	8.80E-01	1.00E+00	na
0.99	0.85	1.15	8.69E-01	5.33E-01	0.000	0.99	0.85	1.15	8.69E-01	5.33E-01	0.000	1.09	0.98	1.20	1.21E-01	4.30E-01	0.000	1.09	0.98	1.20	1.21E-01	4.30E-01	0.000	1.01	0.81	1.25	9.51E-01	1.00E+00	0.000	1.01	0.81	1.25	9.51E-01	1.00E+00	0.000
1.01	0.92	1.11	7.82E-01	3.02E-01	0.178	1.00	0.90	1.11	9.82E-01	3.02E-01	0.178	0.91	0.85	0.98	7.56E-03	2.85E-03	0.888	0.95	0.76	1.19	6.45E-01	2.85E-03	0.888	1.07	0.94	1.21	2.98E-01	1.00E+00	na	1.07	0.94	1.21	2.98E-01	1.00E+00	na
1.02	0.92	1.13	6.81E-01	1.08E-01	0.552	1.03	0.87	1.22	7.63E-01	1.08E-01	0.552	1.06	0.98	1.14	1.29E-01	9.98E-01	0.000	1.06	0.98	1.14	1.29E-01	9.98E-01	0.000	1.06	0.93	1.21	3.76E-01	1.00E+00	na	1.06	0.93	1.21	3.76E-01	1.00E+00	na
0.92	0.85	0.99	2.34E-02	5.18E-01	0.000	0.92	0.85	0.99	2.34E-02	5.18E-01	0.000	0.92	0.87	0.97	3.62E-03	5.34E-01	0.000	0.92	0.87	0.97	3.62E-03	5.34E-01	0.000	0.94	0.85	1.04	2.54E-01	1.00E+00	na	0.94	0.85	1.04	2.54E-01	1.00E+00	na
0.98	0.91	1.06	6.55E-01	7.15E-02	0.572	0.98	0.86	1.13	8.02E-01	7.15E-02	0.572	0.97	0.91	1.02	2.33E-01	7.10E-01	0.000	0.97	0.91	1.02	2.33E-01	7.10E-01	0.000	0.98	0.89	1.08	7.14E-01	1.00E+00	na	0.98	0.89	1.08	7.14E-01	1.00E+00	na
1.05	0.96	1.15	3.07E-01	9.63E-01	0.000	1.05	0.96	1.15	3.07E-01	9.63E-01	0.000	0.91	0.85	0.98	9.80E-03	1.06E-02	0.847	0.94	0.77	1.14	5.22E-01	1.06E-02	0.847	1.04	0.92	1.18	5.20E-01	1.00E+00	na	1.04	0.92	1.18	5.20E-01	1.00E+00	na
1.11	1.00	1.24	6.08E-02	8.74E-01	0.000	1.11	1.00	1.24	6.08E-02	8.74E-01	0.000	0.94	0.87	1.03	1.70E-01	1.73E-03	0.898	0.98	0.75	1.30	9.06E-01	1.73E-03	0.898	1.14	0.99	1.31	7.84E-02	1.00E+00	na	1.14	0.99	1.31	7.84E-02	1.00E+00	na
1.05	0.97	1.14	2.34E-01	2.68E-01	0.238	1.04	0.94	1.15	4.41E-01	2.68E-01	0.238	0.99	0.93	1.05	7.00E-01	9.49E-03	0.851	1.02	0.86	1.20	8.56E-01	9.49E-03	0.851	1.11	1.00	1.24	5.31E-02	1.00E+00	na	1.11	1.00	1.24	5.31E-02	1.00E+00	na
1.14	1.02	1.28	2.55E-02	4.17E-01	0.000	1.14	1.02	1.28	2.55E-02	4.17E-01	0.000	1.15	1.05	1.25	1.93E-03	2.79E-01	0.147	1.15	1.05	1.26	4.07E-03	2.79E-01	0.147	1.22	1.06	1.41	6.44E-03	1.00E+00	na	1.22	1.06	1.41	6.44E-03	1.00E+00	na
1.08	1.02	1.15	1.06E-02	5.47E-01	0.000	1.08	1.02	1.15	1.06E-02	5.47E-01	0.000	1.12	1.06	1.17	2.56E-05	3.12E-01	0.140	1.11	1.05	1.18	2.05E-04	3.12E-01	0.140	1.07	0.99	1.15	9.19E-02	9.67E-01	0.000	1.07	0.99	1.15	9.19E-02	9.67E-01	0.000
1.09	1.02	1.16	7.77E-03	5.47E-01	0.000	1.09	1.02	1.16	7.77E-03	5.47E-01	0.000	1.12	1.06	1.18	2.07E-05	3.86E-01	0.000	1.12	1.06	1.18	2.07E-05	3.86E-01	0.000	1.07	1.00	1.16	6.35E-02	7.77E-01	0.000	1.07	1.00	1.16	6.35E-02	7.77E-01	0.000
1.01	0.94	1.09	7.79E-01	4.46E-01	0.000	1.01	0.94	1.09	7.79E-01	4.46E-01	0.000	1.00	0.95	1.06	8.85E-01	4.18E-01	0.000	1.00	0.95	1.06	8.85E-01	4.18E-01	0.000	0.97	0.88	1.07	5.55E-01	1.00E+00	na	0.97	0.88	1.07	5.55E-01	1.00E+00	na
0.90	0.83	0.97	5.07E-03	3.96E-01	0.000	0.90	0.83	0.97	5.07E-03	3.96E-01	0.000	0.92	0.87	0.97	4.69E-03	4.94E-01	0.000	0.92	0.87	0.97	4.69E-03	4.94E-01	0.000	0.95	0.86	1.05	2.91E-01	1.00E+00	na	0.95	0.86	1.05	2.91E-01	1.00E+00	na
1.09	0.94	1.26	2.34E-01	6.59E-01	0.000	1.09	0.94	1.26	2.34E-01	6.59E-01	0.000	1.04	0.93	1.17	4.46E-01	8.46E-01	0.000	1.04	0.93	1.17	4.46E-01	8.46E-01	0.000	1.06	0.88	1.28	5.45E-01	1.00E+00	na	1.06	0.88	1.28	5.45E-01	1.00E+00	na
1.00	0.94	1.07	9.10E-01	3.28E-01	0.135	1.01	0.94	1.08	8.82E-01	3.28E-01	0.135	1.00	0.95	1.06	8.88E-01	9.44E-01	0.000	1.00	0.95	1.06	8.88E-01	9.44E-01	0.000	1.01	0.94	1.09	7.32E-01	9.45E-01	0.000	1.01	0.94	1.09	7.32E-01	9.45E-01	0.000
0.95	0.89	1.01	1.02E-01	2.11E-02	0.741	1.00	0.83	1.21	9.74E-01	2.11E-02	0.741	0.95	0.90	1.01	8.07E-02	6.10E-02	0.715	0.96	0.86	1.07	4.83E-01	6.10E-02	0.715	0.91	0.85	0.98	1.17E-02	1.00E+00	na	0.91	0.85	0.98	1.17E-02	1.00E+00	na
1.03	0.92	1.16	5.56E-01	4.70E-01	0.000	1.03	0.92	1.16	5.56E-01	4.70E-01	0.000	0.94	0.86	1.03	1.83E-01	1.24E-01	0.578	0.95	0.83	1.10	5.19E-01	1.24E-01	0.578	1.04	0.89	1.21	6.39E-01	1.00E+00	na	1.04	0.89	1.21	6.39E-01	1.00E+00	na
0.86	0.74	0.99	3.70E-02	6.41E-02	0.587	0.90	0.69	1.19	4.60E-01	6.41E-02	0.587	0.83	0.74	0.92	7.49E-04	6.95E-01	0.000	0.83	0.74	0.92	7.49E-04	6.95E-01	0.000	0.85	0.71	1.03	1.01E-01	1.00E+00	na	0.85	0.71	1.03	1.01E-01	1.00E+00	na
1.08	0.96	1.21	2.18E-01	7.28E-01	0.000	1.08	0.96	1.21	2.18E-01	7.28E-01	0.000	1.09	1.00	1.19	6.33E-02	8.45E-01	0.000	1.09	1.00	1.19	6.33E-02	8.45E-01	0.000	1.08	0.93	1.25	3.40E-01	1.00E+00	na	1.08	0.93	1.25	3.40E-01	1.00E+00	na
0.99	0.91	1.07	7.54E-01	6.28E-01	0.000	0.99	0.91	1.07	7.54E-01	6.28E-01	0.000	0.94	0.89	1.00	4.00E-02	3.07E-01	0.040	0.94	0.89	1.00	4.67E-02	3.07E-01	0.040	0.98	0.89	1.09	7.20E-01	1.00E+00	na	0.98	0.89	1.09	7.20E-01	1.00E+00	na
0.92	0.86	0.99	3.50E-02	1.06E-01	0.476	0.93	0.83	1.04	2.04E-01	1.06E-01	0.476	0.90	0.85	0.96	1.11E-03	4.50E-01	0.000	0.90	0.85	0.96	1.11E-03	4.50E-01	0.000	0.93	0.85	1.02	1.03E-01	3.12E-01	0.022	0.93	0.85	1.02	1.08E-01	3.12E-01	0.022
1.04	0.97	1.12	2.81E-01	1.40E-01	0.452	1.01	0.89	1.14	8.97E-01	1.40E-01	0.452	1.06	1.00	1.12	4.32E-02	2.66E-01	0.193	1.06	1.00	1.13	6.53E-02	2.66E-01	0.193	1.11	1.01	1.23	3.96E-02	1.00E+00	na	1.11	1.01	1.23	3.96E-02	1.00E+00	na
1.03	0.95	1.11	4.74E-01	5.50E-01	0.000	1.03	0.95	1.11	4.74E-01	5.50E-01	0.000	0.97	0.92	1.02	2.50E-01	3.94E-01	0.000	0.97	0.92	1.02	2.50E-01	3.94E-01	0.000	1.00	0.91	1.11	9.63E-01	1.00E+00	na	1.00	0.91	1.11	9.63E-01	1.00E+00	na
1.03	0.91	1.17	6.59E-01	3.59E-02	0.699	1.05	0.82	1.35	6.87E-01	3.59E-02	0.699	1.10	1.00	1.21	3.93E-02	2.52E-03	0.890	1.04	0.76	1.42	8.03E-01	2.52E-03	0.890	0.88	0.74	1.05	1.53E-01	1.00E+00	na	0.88	0.74	1.05	1.53E-01	1.00E+00	na
1.01	0.93	1.08	8.77E-01	4.04E-01	0.000	1.01	0.93	1.08	8.77E-01	4.04E-01	0.000	0.94	0.89	1.00	3.57E-02	3.72E-02	0.770	0.96	0.85	1.08	4.98E-01	3.72E-02	0.770	1.03	0.93	1.13	6.07E-01	1.00E+00	na	1.03	0.93	1.13	6.07E-01	1.00E+00	na
0.97	0.89	1.05	4.22E-01	4.90E-01	0.000	0.97	0.89	1.05	4.22E-01	4.90E-01	0.000	0.93	0.86	0.99	2.91E-02	6.67E-01	0.000	0.93	0.86	0.99	2.91E-02	6.67E-01	0.000	0.94	0.85	1.03	2.05E-01	1.00E+00	na	0.94	0.85	1.03	2.05E-01	1.00E+00	na
1.00	0.90	1.11	9.89E-01	2.03E-01	0.349	0.99	0.86	1.15	9.11E-01	2.03E-01	0.349	1.01	0.94	1.10	7.12E-01	4.33E-01	0.000	1.01	0.94	1.10	7.12E-01	4.33E-01	0.000	1.06	0.93	1.22	3.93E-01	1.00E+00	0.000	1.06	0.93	1.22	3.93E-01	1.00E+00	0.000
1.11	1.04	1.19	2.48E-03	8.59E-01	0.000	1.11	1.04	1.19	2.48E-03	8.59E-01	0.000	1.15	1.09	1.22	1.97E-07	3.36E-01	0.084	1.15	1.09	1.22	1.05E-06	3.36E-01	0.084	1.13	1.04	1.23	3.17E-03	1.90E-01	0.417	1.13	1.02	1.26	2.17E-02	1.90E-01	0.417
1.10	1.00	1.21	4.67E-02	3.22E-01	0.144	1.10	0.99	1.23	7.37E-02	3.22E-01	0.144	1.10	1.02	1.19	1.61E-02	3.48E-01	0.052	1.10	1.01	1.19	2.26E-02	3.48E-01	0.052	1.04	0.93	1.17	4.84E-01	4.04E-01	0.000	1.04	0.93	1.17	4.84E-01	4.04E-01	0.000
0.97	0.90	1.05	4.03E-01	4.04E-01	0.000	0.97	0.90	1.05	4.03E-01	4.04E-01	0.000	1.01	0.95	1.07	7.61E-01	1.44E-01	0.532	1.00	0.91	1.10	9.97E-01	1.44E-01	0.532	0.95	0.85	1.05	3.02E-01	1.00E+00	na	0.95	0.85	1.05	3.02E-01	1.00E+00	na
1.01	0.95	1.08	7.02E-01	7.29E-01	0.000	1.01	0.95	1.08	7.02E-01	7.29E-01	0.000	1.02	0.97	1.08	4.44E-01	3.71E-01	0.000	1.02	0.97	1.08	4.44E-01	3.71E-01	0.000	1.00	0.92	1.08	9.81E-01	2.23E-01	0.328	1.00	0.90	1.11	9.86E-01	2.23E-01	0.328
1.00	0.91	1.10	9.86E-01	5.31E-01	0.000	1.00	0.91	1.10	9.86E-01	5.31E-01	0.000	1.17	1.08	1.26	4.79E-05	6.64E-02	0.703	1.14	0.98	1.32	8.67E-02	6.64E-02	0.703	1.04	0.91	1.20	5.35E-01	1.00E+00	na	1.04	0.91	1.20	5.35E-01	1.00E+00	na
1.06	0.97	1.15	2.02E-01	5.54E-01	0.000	1.06	0.97	1.15	2.02E-01	5.54E-01	0.000	1.14	1.07	1.21	1.09E-04	1.04E-01	0.622	1.12	1.00	1.26	4.40E-02	1.04E-01	0.622	1.05	0.94	1.18	3.96E-01	1.00E+00	na	1.05	0.94	1.18	3.96E-01	1.00E+00	na
1.08	1.00	1.18	6.22E-02	5.40E-01	0.000	1.08	1.00	1.18	6.22E-02	5.40E-01	0.000	0.98	0.92	1.04	4.79E-01	1.93E-03	0.896	1.01	0.82	1.24	9.59E-01	1.93E-03	0.896	1.12	1.01	1.25	3.74E-02	1.00E+00	na	1.12	1.01	1.25	3.74E-02	1.00E+00	na
0.97	0.78	1.22	8.07E-01	4.50E-01	0.000	0.97	0.78	1.22	8.07E-01	4.50E-01	0.000	0.75	0.65	0.86	9.67E-05	1.00E+00	na	0.75	0.65	0.86	9.67E-05	1.00E+00	na												
0.97	0.90	1.05	5.14E-01	6.36E-01	0.000	0.97	0.90	1.05	5.14E-01	6.36E-01	0.000	0.98	0.93	1.04	5.48E-01	4.55E-01	0.000	0.98	0.93	1.04	5.48E-01	4.55E-01	0.000	0.95	0.86	1.05	3.39E-01	1.00E+00	na	0.95	0.86	1.05	3.39E-01	1.00E+00	na
1.06	0.97	1.16	1.82E-01	2.99E-01	0.181	1.06	0.96	1.18	2.53E-01	2.99E-01	0.181	1.17	1.09	1.26	2.74E-05	7.19E-02	0.620	1.14	1.00	1.30	4.69E-02	7.19E-02	0.620	1.08	0.96	1.21	1.86E-01	1.23E-01	0.578	1.08	0.90	1.29	4.03E-01	1.23E-01	0.578
1.07	0.98	1.16	1.36E-01	3.31E-01	0.122	1.07	0.97	1.18	1.54E-01	3.31E-01	0.122	1.16	1.08	1.24	3.64E-05	2.60E-02	0.726	1.13	0.98	1.30	1.04E-01	2.60E-02	0.726	1.06	0.96	1.19	2.51E-01	6.00E-02	0.717	1.07	0.87	1.31	5.27E-01	6.00E-02	0.717
0.99	0.90	1.08	7.53E-01	8.02E-01	0.000	0.99	0.90	1.08	7.53E-01	8.02E-01	0.000	1.04	0.97	1.12	2.23E-01	2.14E-01	0.352	1.04	0.95	1.13	4.25E-01	2.14E-01	0.352	0.98	0.87	1.10	7.24E-01	1.00E+00	na	0.98	0.87	1.10	7.24E-01	1.00E+00	na
0.91	0.84	0.98	1.64E-02	4.26E-03	0.772	0.93	0.78	1.10	3.96E-01	4.26E-03	0.772	0.98	0.92	1.05	5.56E-01	1.97E-03	0.839	0.94	0.79	1.12	4.70E-01	1.97E-03	0.839	0.90	0.82	0.99	3.71E-02	6.33E-03	0.866	0.88	0.67	1.16	3.61E-01	6.33E-03	0.866
0.93	0.85	1.02	1.17E-01	8.69E-01	0.000	0.93	0.85	1.02	1.17E-01	8.69E-01	0.000	0.94	0.88	1.01	9.72E-02	9.75E-01	0.000	0.94	0.88	1.01	9.72E-02	9.75E-01	0.000	0.94	0.84	1.06	3.41E-01	1.00E+00	na	0.94	0.84	1.06	3.41E-01	1.00E+00	na
0.98	0.89	1.08	7.34E-01	3.44E-01	0.099	0.99	0.89	1.10	8.66E-01	3.44E-01	0.099	0.99	0.92	1.07	8.78E-01	2.20E-01	0.334	0.99	0.90	1.09	8.21E-01	2.20E-01	0.334	0.93	0.82	1.06	2.80E-01	1.00E+00	na	0.93	0.82	1.06	2.80E-01	1.00E+00	na
1.04	0.97	1.12	2.40E-01	6.99E-01	0.000	1.04	0.97	1.12	2.40E-01	6.99E-01	0.000	1.00	0.95	1.06	8.81E-01	8.69E-01	0.000	1.00	0.95	1.06	8.81E-01	8.69E-01	0.000	1.01	0.92	1.10	8.88E-01	5.97E-01	0.000	1.01	0.92	1.10	8.88E-01	5.97E-01	0.000
1.06	0.96	1.17	2.34E-01	9.98E-01	0.000	1.06	0.96	1.17	2.34E-01	9.98E-01	0.000	1.03	0.96	1.12	3.85E-01	6.36E-01	0.000	1.03	0.96	1.12	3.85E-01	6.36E-01	0.000	1.06	0.93	1.21	3.73E-01	1.00E+00	na	1.06	0.93	1.21	3.73E-01	1.00E+00	na
0.95	0.87	1.04	2.68E-01	8.42E-01	0.000	0.95	0.87	1.04	2.68E-01	8.42E-01	0.000	0.96	0.90	1.03	2.48E-01	7.42E-01	0.000	0.96	0.90	1.03	2.48E-01	7.42E-01	0.000	0.95	0.84	1.06	3.47E-01	1.00E+00	0.000	0.95	0.84	1.06	3.47E-01	1.00E+00	0.000
1.01	0.88	1.15	9.25E-01	3.84E-01	0.016	1.01	0.88	1.15	9.30E-01	3.84E-01	0.016	1.02	0.93	1.12	6.59E-01	8.62E-01	0.000	1.02	0.93	1.12	6.59E-01	8.62E-01	0.000	1.03	0.87	1.23	6.96E-01	1.00E+00	na	1.03	0.87	1.23	6.96E-01	1.00E+00	na
0.97	0.90	1.05	4.14E-01	8.27E-02	0.599	0.98	0.86	1.12	7.82E-01	8.27E-02	0.599	1.04	0.98	1.10	2.31E-01	1.68E-03	0.899	1.01	0.83	1.22	9.58E-01	1.68E-03	0.899	0.91	0.82	1.00	5.94E-02	1.00E+00	0.000	0.91	0.82	1.00	5.94E-02	1.00E+00	0.000
0.99	0.91	1.07	7.36E-01	7.53E-02	0.565	1.03	0.89	1.18	7.12E-01	7.53E-02	0.565	0.91	0.86	0.97	1.93E-03	7.58E-01	0.000	0.91	0.86	0.97	1.93E-03	7.58E-01	0.000	0.90	0.81	1.00	4.81E-02	1.00E+00	na	0.90	0.81	1.00	4.81E-02	1.00E+00	na
1.04	0.92	1.18	5.52E-01	1.87E-01	0.376	1.00	0.83	1.21	9.69E-01	1.87E-01	0.376	1.15	1.04	1.26	6.04E-03	9.85E-01	0.000	1.15	1.04	1.26	6.04E-03	9.85E-01	0.000	1.14	0.97	1.35	1.10E-01	1.00E+00	na	1.14	0.97	1.35	1.10E-01	1.00E+00	na
1.01	0.93	1.08	8.94E-01	5.79E-01	0.000	1.01	0.93	1.08	8.94E-01	5.79E-01	0.000	1.01	0.96	1.07	6.74E-01	8.44E-01	0.000	1.01	0.96	1.07	6.74E-01	8.44E-01	0.000	1.02	0.93	1.12	6.84E-01	1.00E+00	na	1.02	0.93	1.12	6.84E-01	1.00E+00	na
1.00	0.93	1.07	9.54E-01	7.58E-01	0.000	1.00	0.93	1.07	9.54E-01	7.58E-01	0.000	0.99	0.94	1.05	7.76E-01	7.77E-01	0.000	0.99	0.94	1.05	7.76E-01	7.77E-01	0.000	0.98	0.90	1.07	6.91E-01	1.00E+00	na	0.98	0.90	1.07	6.91E-01	1.00E+00	na
0.98	0.90	1.06	5.71E-01	8.78E-01	0.000	0.98	0.90	1.06	5.71E-01	8.78E-01	0.000	1.04	0.97	1.11	2.57E-01	6.36E-02	0.709	1.02	0.90	1.16	7.15E-01	6.36E-02	0.709	0.95	0.85	1.07	4.06E-01	1.00E+00	na	0.95	0.85	1.07	4.06E-01	1.00E+00	na
0.96	0.89	1.04	3.28E-01	4.61E-01	0.000	0.96	0.89	1.04	3.28E-01	4.61E-01	0.000	1.01	0.95	1.07	7.88E-01	2.35E-02	0.805	0.99	0.86	1.13	8.55E-01	2.35E-02	0.805	0.92	0.83	1.01	8.57E-02	1.00E+00	na	0.92	0.83	1.01	8.57E-02	1.00E+00	na
0.98	0.92	1.04	5.23E-01	7.26E-01	0.000	0.98	0.92	1.04	5.23E-01	7.26E-01	0.000	1.01	0.96	1.06	6.51E-01	9.93E-01	0.000	1.01	0.96	1.06	6.51E-01	9.93E-01	0.000	1.01	0.94	1.09	7.69E-01	9.07E-01	0.000	1.01	0.94	1.09	7.69E-01	9.07E-01	0.000
0.92	0.86	0.99	2.91E-02	2.90E-01	0.196	0.92	0.85	1.00	5.43E-02	2.90E-01	0.196	0.96	0.90	1.02	1.48E-01	3.38E-01	0.078	0.96	0.90	1.02	1.76E-01	3.38E-01	0.078	0.96	0.88	1.05	4.10E-01	1.45E-01	0.530	0.97	0.85	1.10	6.34E-01	1.45E-01	0.530
1.08	1.00	1.16	5.38E-02	4.08E-01	0.000	1.08	1.00	1.16	5.38E-02	4.08E-01	0.000	0.95	0.90	1.00	5.58E-02	3.54E-05	0.942	0.99	0.77	1.27	9.27E-01	3.54E-05	0.942	1.12	1.02	1.24	1.98E-02	1.00E+00	na	1.12	1.02	1.24	1.98E-02	1.00E+00	na
0.99	0.91	1.08	7.85E-01	2.64E-01	0.249	0.98	0.88	1.09	6.74E-01	2.64E-01	0.249	0.98	0.93	1.05	6.33E-01	3.30E-01	0.000	0.98	0.93	1.05	6.33E-01	3.30E-01	0.000	1.03	0.92	1.15	5.93E-01	1.00E+00	na	1.03	0.92	1.15	5.93E-01	1.00E+00	na
1.04	0.92	1.18	5.22E-01	9.89E-01	0.000	1.04	0.92	1.18	5.22E-01	9.89E-01	0.000	0.92	0.83	1.02	1.00E-01	1.30E-02	0.770	0.97	0.77	1.21	7.65E-01	1.30E-02	0.770	1.08	0.93	1.26	3.07E-01	6.58E-01	0.000	1.08	0.93	1.26	3.07E-01	6.58E-01	0.000
0.91	0.82	1.01	6.77E-02	3.93E-01	0.000	0.91	0.82	1.01	6.77E-02	3.93E-01	0.000	0.94	0.87	1.01	9.39E-02	7.82E-01	0.000	0.94	0.87	1.01	9.39E-02	7.82E-01	0.000	0.95	0.83	1.10	4.95E-01	1.00E+00	na	0.95	0.83	1.10	4.95E-01	1.00E+00	na
0.99	0.92	1.06	7.41E-01	6.57E-01	0.000	0.99	0.92	1.06	7.41E-01	6.57E-01	0.000	0.98	0.92	1.03	3.72E-01	8.30E-01	0.000	0.98	0.92	1.03	3.72E-01	8.30E-01	0.000	0.97	0.88	1.06	4.91E-01	1.00E+00	na	0.97	0.88	1.06	4.91E-01	1.00E+00	na
1.08	0.97	1.20	1.84E-01	2.43E-01	0.293	1.10	0.95	1.27	2.15E-01	2.43E-01	0.293	1.10	1.02	1.19	1.98E-02	1.13E-01	0.602	1.09	0.95	1.24	2.11E-01	1.13E-01	0.602	1.01	0.88	1.15	8.95E-01	1.00E+00	na	1.01	0.88	1.15	8.95E-01	1.00E+00	na
0.98	0.91	1.06	6.10E-01	1.47E-01	0.478	0.96	0.85	1.08	5.13E-01	1.47E-01	0.478	1.08	1.02	1.15	7.25E-03	4.71E-01	0.000	1.08	1.02	1.15	7.25E-03	4.71E-01	0.000	1.05	0.95	1.16	3.74E-01	1.00E+00	na	1.05	0.95	1.16	3.74E-01	1.00E+00	na
0.98	0.89	1.08	7.29E-01	6.24E-01	0.000	0.98	0.89	1.08	7.29E-01	6.24E-01	0.000	0.99	0.92	1.06	6.75E-01	4.32E-01	0.000	0.99	0.92	1.06	6.75E-01	4.32E-01	0.000	0.94	0.83	1.07	3.76E-01	1.00E+00	na	0.94	0.83	1.07	3.76E-01	1.00E+00	na
1.01	0.94	1.09	7.50E-01	1.66E-02	0.669	1.02	0.87	1.19	8.28E-01	1.66E-02	0.669	0.96	0.90	1.03	2.35E-01	1.01E-01	0.564	0.96	0.87	1.07	4.86E-01	1.01E-01	0.564	0.99	0.90	1.09	8.79E-01	5.13E-02	0.737	0.98	0.81	1.18	8.35E-01	5.13E-02	0.737
0.98	0.88	1.08	6.61E-01	7.54E-01	0.000	0.98	0.88	1.08	6.61E-01	7.54E-01	0.000	1.13	1.05	1.22	8.59E-04	2.81E-03	0.888	1.08	0.85	1.38	5.19E-01	2.81E-03	0.888	0.95	0.83	1.09	4.75E-01	1.00E+00	na	0.95	0.83	1.09	4.75E-01	1.00E+00	na
0.93	0.85	1.01	8.11E-02	3.98E-01	0.000	0.93	0.85	1.01	8.11E-02	3.98E-01	0.000	0.96	0.90	1.02	2.01E-01	7.53E-02	0.684	0.94	0.84	1.07	3.48E-01	7.53E-02	0.684	0.88	0.78	0.99	2.87E-02	1.00E+00	na	0.88	0.78	0.99	2.87E-02	1.00E+00	na
1.02	0.95	1.10	5.57E-01	2.14E-01	0.311	1.03	0.93	1.14	5.35E-01	2.14E-01	0.311	1.09	1.02	1.16	9.27E-03	8.61E-02	0.592	1.07	0.96	1.18	2.29E-01	8.61E-02	0.592	1.01	0.92	1.10	9.12E-01	6.64E-01	0.000	1.01	0.92	1.10	9.12E-01	6.64E-01	0.000
1.05	0.96	1.14	3.01E-01	2.38E-01	0.290	1.04	0.93	1.17	4.98E-01	2.38E-01	0.290	1.03	0.96	1.10	4.11E-01	3.75E-01	0.000	1.03	0.96	1.10	4.11E-01	3.75E-01	0.000	1.07	0.96	1.21	2.31E-01	1.00E+00	na	1.07	0.96	1.21	2.31E-01	1.00E+00	na
1.06	0.95	1.18	2.72E-01	2.77E-01	0.223	1.06	0.93	1.21	3.80E-01	2.77E-01	0.223	1.19	1.10	1.29	1.10E-05	1.41E-02	0.834	1.15	0.92	1.42	2.16E-01	1.41E-02	0.834	1.02	0.88	1.18	8.17E-01	1.00E+00	na	1.02	0.88	1.18	8.17E-01	1.00E+00	na
0.95	0.87	1.05	3.29E-01	4.22E-01	0.000	0.95	0.87	1.05	3.29E-01	4.22E-01	0.000	1.02	0.95	1.09	6.43E-01	6.68E-02	0.702	0.99	0.86	1.14	9.15E-01	6.68E-02	0.702	0.91	0.80	1.04	1.83E-01	1.00E+00	na	0.91	0.80	1.04	1.83E-01	1.00E+00	na
1.05	0.99	1.12	1.26E-01	1.91E-02	0.660	1.02	0.90	1.16	7.01E-01	1.91E-02	0.660	1.07	1.02	1.13	8.17E-03	6.96E-02	0.625	1.07	0.98	1.17	1.28E-01	6.96E-02	0.625	1.09	1.01	1.18	2.38E-02	2.69E-02	0.796	1.08	0.91	1.29	3.87E-01	2.69E-02	0.796
1.02	0.94	1.11	6.41E-01	4.22E-01	0.000	1.02	0.94	1.11	6.41E-01	4.22E-01	0.000	1.10	1.04	1.18	2.53E-03	7.09E-02	0.693	1.09	0.97	1.23	1.41E-01	7.09E-02	0.693	1.02	0.92	1.14	6.45E-01	1.00E+00	na	1.02	0.92	1.14	6.45E-01	1.00E+00	na
1.03	0.95	1.11	5.15E-01	7.10E-01	0.000	1.03	0.95	1.11	5.15E-01	7.10E-01	0.000	0.93	0.88	0.98	1.25E-02	3.63E-03	0.882	0.95	0.80	1.14	6.08E-01	3.63E-03	0.882	1.05	0.95	1.16	3.49E-01	1.00E+00	na	1.05	0.95	1.16	3.49E-01	1.00E+00	na
1.00	0.90	1.11	9.85E-01	6.62E-01	0.000	1.00	0.90	1.11	9.85E-01	6.62E-01	0.000	1.16	1.07	1.25	3.65E-04	8.44E-03	0.856	1.12	0.89	1.40	3.28E-01	8.44E-03	0.856	0.99	0.86	1.14	9.06E-01	1.00E+00	na	0.99	0.86	1.14	9.06E-01	1.00E+00	na
0.99	0.92	1.06	7.35E-01	6.36E-01	0.000	0.99	0.92	1.06	7.35E-01	6.36E-01	0.000	1.12	1.06	1.18	7.63E-05	8.43E-03	0.856	1.09	0.94	1.27	2.39E-01	8.43E-03	0.856	1.01	0.92	1.11	8.27E-01	1.00E+00	0.000	1.01	0.92	1.11	8.27E-01	1.00E+00	0.000
1.02	0.95	1.10	5.20E-01	1.47E-01	0.441	1.00	0.90	1.12	9.61E-01	1.47E-01	0.441	1.06	1.00	1.12	4.75E-02	7.35E-01	0.000	1.06	1.00	1.12	4.75E-02	7.35E-01	0.000	1.07	0.97	1.18	1.62E-01	1.00E+00	na	1.07	0.97	1.18	1.62E-01	1.00E+00	na
0.94	0.89	1.00	5.00E-02	2.06E-01	0.344	0.95	0.88	1.03	2.30E-01	2.06E-01	0.344	0.89	0.85	0.94	3.68E-06	8.57E-01	0.000	0.89	0.85	0.94	3.68E-06	8.57E-01	0.000	0.90	0.84	0.96	2.14E-03	6.88E-01	0.000	0.90	0.84	0.96	2.14E-03	6.88E-01	0.000
0.98	0.91	1.06	6.33E-01	8.98E-01	0.000	0.98	0.91	1.06	6.33E-01	8.98E-01	0.000	1.07	1.01	1.13	1.51E-02	4.83E-02	0.744	1.05	0.94	1.19	3.75E-01	4.83E-02	0.744	0.99	0.90	1.09	8.04E-01	1.00E+00	0.000	0.99	0.90	1.09	8.04E-01	1.00E+00	0.000
1.03	0.95	1.11	5.05E-01	9.90E-01	0.000	1.03	0.95	1.11	5.05E-01	9.90E-01	0.000	1.05	0.99	1.12	7.74E-02	6.08E-01	0.000	1.05	0.99	1.12	7.74E-02	6.08E-01	0.000	1.03	0.93	1.14	5.49E-01	1.00E+00	na	1.03	0.93	1.14	5.49E-01	1.00E+00	na
1.03	0.96	1.12	4.13E-01	7.24E-01	0.000	1.03	0.96	1.12	4.13E-01	7.24E-01	0.000	0.89	0.84	0.94	1.07E-04	3.39E-04	0.922	0.92	0.74	1.15	4.73E-01	3.39E-04	0.922	1.04	0.94	1.14	4.98E-01	1.00E+00	na	1.04	0.94	1.14	4.98E-01	1.00E+00	na
1.02	0.96	1.08	5.68E-01	3.06E-01	0.170	1.02	0.95	1.09	6.52E-01	3.06E-01	0.170	0.98	0.94	1.03	5.40E-01	3.93E-02	0.691	0.99	0.90	1.09	8.07E-01	3.93E-02	0.691	1.02	0.94	1.09	6.78E-01	2.23E-02	0.809	1.00	0.85	1.19	9.59E-01	2.23E-02	0.809
1.00	0.93	1.08	9.28E-01	9.81E-01	0.000	1.00	0.93	1.08	9.28E-01	9.81E-01	0.000	1.05	0.99	1.11	1.25E-01	2.95E-01	0.089	1.05	0.98	1.11	1.56E-01	2.95E-01	0.089	1.00	0.90	1.11	9.78E-01	1.00E+00	na	1.00	0.90	1.11	9.78E-01	1.00E+00	na
1.01	0.92	1.11	8.68E-01	3.88E-01	0.008	1.01	0.92	1.11	8.68E-01	3.88E-01	0.008	0.97	0.91	1.04	4.26E-01	5.93E-01	0.000	0.97	0.91	1.04	4.26E-01	5.93E-01	0.000	1.00	0.88	1.14	9.80E-01	1.00E+00	na	1.00	0.88	1.14	9.80E-01	1.00E+00	na
0.96	0.85	1.08	4.79E-01	7.28E-01	0.000	0.96	0.85	1.08	4.79E-01	7.28E-01	0.000	1.02	0.93	1.11	6.94E-01	9.37E-01	0.000	1.02	0.93	1.11	6.94E-01	9.37E-01	0.000	1.02	0.86	1.21	7.83E-01	1.00E+00	na	1.02	0.86	1.21	7.83E-01	1.00E+00	na
1.04	0.96	1.11	3.60E-01	2.36E-01	0.293	1.05	0.95	1.16	3.43E-01	2.36E-01	0.293	1.02	0.96	1.08	5.59E-01	4.58E-01	0.000	1.02	0.96	1.08	5.59E-01	4.58E-01	0.000	0.99	0.89	1.09	7.82E-01	1.00E+00	na	0.99	0.89	1.09	7.82E-01	1.00E+00	na
0.96	0.88	1.04	2.95E-01	2.77E-01	0.222	0.96	0.87	1.06	4.65E-01	2.77E-01	0.222	0.91	0.85	0.96	1.62E-03	9.03E-01	0.000	0.91	0.85	0.96	1.62E-03	9.03E-01	0.000	0.90	0.81	1.01	6.52E-02	1.00E+00	0.000	0.90	0.81	1.01	6.52E-02	1.00E+00	0.000
0.94	0.85	1.05	2.89E-01	7.37E-01	0.000	0.94	0.85	1.05	2.89E-01	7.37E-01	0.000	1.11	1.03	1.21	1.05E-02	1.09E-03	0.906	1.08	0.82	1.43	5.75E-01	1.09E-03	0.906	0.94	0.82	1.07	3.37E-01	1.00E+00	na	0.94	0.82	1.07	3.37E-01	1.00E+00	na
0.99	0.93	1.06	8.74E-01	1.78E-01	0.390	1.00	0.92	1.09	9.75E-01	1.78E-01	0.390	0.93	0.88	0.98	3.77E-03	1.66E-01	0.443	0.94	0.87	1.00	6.76E-02	1.66E-01	0.443	0.97	0.90	1.05	4.94E-01	4.16E-01	0.000	0.97	0.90	1.05	4.94E-01	4.16E-01	0.000
1.08	0.99	1.19	9.83E-02	9.96E-01	0.000	1.08	0.99	1.19	9.83E-02	9.96E-01	0.000	1.05	0.97	1.12	2.18E-01	6.39E-01	0.000	1.05	0.97	1.12	2.18E-01	6.39E-01	0.000	1.07	0.95	1.21	2.73E-01	1.00E+00	na	1.07	0.95	1.21	2.73E-01	1.00E+00	na
1.06	1.00	1.12	4.22E-02	7.61E-01	0.000	1.06	1.00	1.12	4.22E-02	7.61E-01	0.000	1.04	1.00	1.09	7.80E-02	2.27E-01	0.316	1.04	0.98	1.10	1.76E-01	2.27E-01	0.316	1.07	1.01	1.13	3.29E-02	1.00E+00	na	1.07	1.01	1.13	3.29E-02	1.00E+00	na
1.00	0.93	1.08	9.60E-01	8.68E-01	0.000	1.00	0.93	1.08	9.60E-01	8.68E-01	0.000	1.00	0.95	1.06	8.90E-01	7.99E-01	0.000	1.00	0.95	1.06	8.90E-01	7.99E-01	0.000	1.01	0.92	1.12	7.73E-01	1.00E+00	na	1.01	0.92	1.12	7.73E-01	1.00E+00	na
1.02	0.91	1.14	7.26E-01	6.36E-01	0.000	1.02	0.91	1.14	7.26E-01	6.36E-01	0.000	0.93	0.85	1.01	9.50E-02	7.55E-02	0.683	0.94	0.81	1.11	4.76E-01	7.55E-02	0.683	1.03	0.89	1.19	6.75E-01	1.00E+00	na	1.03	0.89	1.19	6.75E-01	1.00E+00	na
1.03	0.97	1.10	3.18E-01	7.37E-01	0.000	1.03	0.97	1.10	3.18E-01	7.37E-01	0.000	1.02	0.97	1.08	3.83E-01	5.17E-01	0.000	1.02	0.97	1.08	3.83E-01	5.17E-01	0.000	1.03	0.96	1.11	4.28E-01	2.65E-01	0.195	1.03	0.95	1.12	5.03E-01	2.65E-01	0.195
1.06	0.95	1.19	2.81E-01	8.05E-01	0.000	1.06	0.95	1.19	2.81E-01	8.05E-01	0.000	1.03	0.94	1.12	5.17E-01	4.77E-01	0.000	1.03	0.94	1.12	5.17E-01	4.77E-01	0.000	1.08	0.93	1.25	3.41E-01	1.00E+00	na	1.08	0.93	1.25	3.41E-01	1.00E+00	na
0.95	0.88	1.03	2.47E-01	7.14E-01	0.000	0.95	0.88	1.03	2.47E-01	7.14E-01	0.000	0.90	0.85	0.96	1.77E-03	9.31E-02	0.645	0.91	0.82	1.02	1.11E-01	9.31E-02	0.645	0.97	0.87	1.08	6.18E-01	1.00E+00	na	0.97	0.87	1.08	6.18E-01	1.00E+00	na
1.08	1.01	1.16	1.88E-02	2.76E-01	0.224	1.09	1.00	1.18	3.78E-02	2.76E-01	0.224	1.10	1.04	1.16	7.04E-04	4.32E-01	0.000	1.10	1.04	1.16	7.04E-04	4.32E-01	0.000	1.07	0.99	1.16	9.15E-02	2.94E-01	0.093	1.07	0.98	1.17	1.11E-01	2.94E-01	0.093

Hip

Marker	Chr	Position	EA	NEA	arcOGEN				THR arcOGEN				arcOGEN HIP+			
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1	102046864	C	T	0.89	0.83	0.96	1.24E-03	0.90	0.84	0.97	3.63E-03	0.89	0.83	0.94	2.29E-04
rs1417066	1	217740451	G	A	1.11	1.05	1.17	2.37E-04	1.11	1.05	1.17	5.46E-04	1.12	1.07	1.18	1.18E-05
rs1629896	1	223752551	G	A	0.98	0.89	1.09	7.31E-01	0.97	0.87	1.08	5.83E-01	1.04	0.94	1.14	4.83E-01
rs987179	1	242876559	A	G	0.91	0.85	0.96	1.72E-03	0.91	0.86	0.97	4.63E-03	0.90	0.85	0.95	2.49E-04
rs1024816	2	37454712	G	A	1.15	1.04	1.27	5.14E-03	1.16	1.05	1.28	4.03E-03	1.13	1.03	1.24	9.95E-03
rs3791679	2	55950396	G	A	0.87	0.82	0.93	7.68E-05	0.88	0.82	0.94	2.45E-04	0.88	0.83	0.94	8.62E-05
rs10779958	2	74609286	C	A	1.03	0.95	1.11	4.68E-01	1.03	0.95	1.12	4.53E-01	1.04	0.96	1.11	3.60E-01
rs6754683	2	108522707	A	G	0.93	0.88	0.99	1.58E-02	0.93	0.88	0.99	2.13E-02	0.95	0.90	1.00	5.67E-02
rs4622728	2	125523313	T	C	0.96	0.91	1.01	1.32E-01	0.96	0.91	1.02	1.88E-01	0.94	0.90	0.99	2.97E-02
rs1432237	2	137524977	G	A	0.90	0.84	0.97	3.22E-03	0.90	0.84	0.97	5.70E-03	0.90	0.84	0.96	1.42E-03
rs12618428	2	151441225	G	A	0.92	0.84	1.00	4.37E-02	0.94	0.86	1.02	1.60E-01	0.90	0.83	0.97	8.80E-03
rs6716254	2	175250720	C	T	0.91	0.86	0.97	3.49E-03	0.93	0.87	0.99	1.50E-02	0.90	0.85	0.95	1.37E-04
rs6793234	3	8801396	G	A	0.96	0.88	1.05	3.67E-01	0.94	0.86	1.04	2.20E-01	0.98	0.90	1.07	7.02E-01
rs11177	3	52696345	A	G	1.17	1.11	1.24	2.92E-08	1.19	1.12	1.26	6.40E-09	1.18	1.12	1.24	1.95E-09
rs6976	3	52703844	T	C	1.17	1.11	1.24	2.36E-08	1.19	1.12	1.26	5.27E-09	1.18	1.12	1.24	1.98E-09
rs10510816	3	59630570	A	C	1.00	0.94	1.05	8.81E-01	1.00	0.95	1.06	9.05E-01	0.99	0.94	1.04	6.83E-01
rs1355782	3	132970356	C	T	0.97	0.91	1.02	2.38E-01	0.97	0.91	1.03	2.78E-01	0.95	0.90	1.00	6.75E-02
rs16851066	3	142325511	A	G	1.19	1.07	1.33	1.46E-03	1.20	1.07	1.34	1.90E-03	1.23	1.11	1.36	9.19E-05
rs12107036	3	191082854	A	G	0.92	0.87	0.97	2.16E-03	0.92	0.87	0.97	2.53E-03	0.95	0.90	1.00	3.72E-02
rs16837352	4	5555175	T	G	1.05	0.98	1.14	1.81E-01	1.06	0.98	1.14	1.81E-01	1.08	1.01	1.16	2.97E-02
rs17578878	4	37577120	T	C	0.94	0.86	1.02	1.49E-01	0.93	0.85	1.02	1.04E-01	0.92	0.85	1.00	5.29E-02
rs11725992	4	48082608	C	T	0.83	0.74	0.92	7.87E-04	0.84	0.75	0.94	1.84E-03	0.82	0.74	0.91	2.08E-04
rs12500935	4	114760230	A	G	1.16	1.06	1.27	1.21E-03	1.15	1.04	1.26	4.46E-03	1.17	1.08	1.28	2.15E-04
rs1566347	4	186969560	T	C	0.92	0.87	0.98	7.46E-03	0.93	0.88	0.99	2.23E-02	0.92	0.87	0.98	4.73E-03
rs4957048	5	636442	A	G	0.95	0.89	1.02	1.29E-01	0.95	0.89	1.02	1.64E-01	0.94	0.88	1.00	4.08E-02
rs2610424	5	71292415	C	T	1.03	0.97	1.09	2.95E-01	1.01	0.96	1.07	6.58E-01	1.04	0.99	1.10	1.27E-01
rs457008	5	81110411	T	C	0.98	0.93	1.03	4.22E-01	0.98	0.93	1.04	4.70E-01	0.98	0.93	1.03	4.83E-01
rs10036746	5	91780688	A	G	1.16	1.05	1.27	2.42E-03	1.15	1.05	1.27	3.33E-03	1.14	1.05	1.25	3.19E-03
rs10515550	5	144792886	T	C	0.98	0.93	1.04	5.55E-01	0.98	0.93	1.04	5.52E-01	0.97	0.92	1.02	2.56E-01
rs13167773	5	148567182	T	C	0.89	0.82	0.97	7.99E-03	0.88	0.81	0.95	2.45E-03	0.90	0.83	0.97	5.07E-03
rs10051783	5	167755230	T	C	1.04	0.96	1.12	3.36E-01	1.02	0.94	1.11	5.62E-01	1.06	0.98	1.14	1.31E-01
rs10948172	6	44885669	G	A	1.12	1.05	1.19	2.31E-04	1.13	1.06	1.20	1.55E-04	1.12	1.06	1.19	4.37E-05
rs9350591	6	76298247	T	C	1.20	1.11	1.30	1.46E-05	1.20	1.11	1.31	1.94E-05	1.20	1.11	1.30	2.49E-06
rs10943837	6	82727239	T	C	1.14	1.08	1.21	9.52E-06	1.15	1.09	1.22	2.19E-06	1.10	1.04	1.16	4.83E-04
rs2493984	6	95440213	G	A	1.12	1.05	1.18	3.01E-04	1.11	1.05	1.18	4.69E-04	1.12	1.06	1.18	1.05E-04
rs7755798	6	109743847	T	C	1.11	1.04	1.20	3.82E-03	1.12	1.04	1.21	3.07E-03	1.12	1.05	1.20	9.75E-04
rs2027532	6	112741889	C	T	1.03	0.97	1.11	3.13E-01	1.03	0.96	1.10	3.89E-01	1.04	0.98	1.11	1.94E-01
rs6931833	6	114078284	A	G	0.86	0.81	0.92	6.42E-06	0.86	0.80	0.92	5.92E-06	0.89	0.84	0.95	1.66E-04
rs17627827	7	16731521	G	A	0.97	0.86	1.08	5.53E-01	0.96	0.86	1.08	5.37E-01	0.95	0.86	1.06	3.64E-01
rs6461679	7	22976588	T	C	0.98	0.93	1.04	5.27E-01	0.99	0.93	1.05	6.26E-01	0.96	0.91	1.01	9.25E-02
rs7785659	7	32427540	T	C	1.04	0.96	1.12	3.95E-01	1.02	0.94	1.11	5.73E-01	1.07	0.99	1.15	7.01E-02
rs7805536	7	32540095	C	T	1.05	0.97	1.13	1.97E-01	1.05	0.97	1.13	2.46E-01	1.08	1.01	1.15	3.44E-02
rs1859572	7	76870933	T	C	1.16	1.08	1.24	1.22E-05	1.15	1.08	1.23	3.63E-05	1.16	1.09	1.23	1.74E-06
rs6466265	7	77998184	G	A	1.04	0.97	1.11	2.94E-01	1.04	0.97	1.11	3.20E-01	1.05	0.98	1.12	1.34E-01
rs2966417	7	109944782	A	G	0.84	0.79	0.90	6.57E-07	0.84	0.78	0.90	8.16E-07	0.85	0.80	0.91	9.09E-07
rs4841020	8	8638760	G	A	0.96	0.89	1.03	2.66E-01	0.97	0.90	1.05	4.48E-01	0.94	0.88	1.01	8.73E-02
rs1876836	8	8719166	T	C	0.95	0.89	1.01	9.56E-02	0.95	0.89	1.01	1.23E-01	0.93	0.88	0.99	2.45E-02
rs4841067	8	8784655	G	A	0.95	0.88	1.03	2.11E-01	0.97	0.89	1.05	3.93E-01	0.95	0.89	1.02	1.83E-01
rs609792	8	9857300	T	C	1.08	1.01	1.15	2.93E-02	1.10	1.03	1.17	7.66E-03	1.06	1.00	1.13	6.26E-02
rs6997710	8	10247861	G	A	1.13	1.03	1.24	1.11E-02	1.14	1.04	1.25	7.12E-03	1.16	1.06	1.26	8.32E-04
rs1421259	8	15607043	A	G	1.14	1.08	1.21	5.74E-06	1.14	1.07	1.20	2.37E-05	1.11	1.06	1.18	7.97E-05
rs2289496	8	98357340	C	A	0.87	0.83	0.93	4.79E-06	0.87	0.82	0.92	4.78E-06	0.88	0.84	0.93	6.98E-06
rs16870112	8	104191422	A	C	1.21	1.10	1.33	6.93E-05	1.22	1.10	1.34	7.71E-05	1.20	1.10	1.31	5.47E-05
rs4072286	8	142805713	G	T	1.09	1.03	1.15	2.97E-03	1.09	1.03	1.15	4.94E-03	1.09	1.03	1.15	2.66E-03
rs2146423	9	4647040	G	A	0.97	0.92	1.03	3.57E-01	0.99	0.93	1.05	7.11E-01	0.98	0.93	1.03	4.95E-01
rs945442	9	18917768	C	A	1.17	1.10	1.25	1.58E-06	1.15	1.08	1.23	2.74E-05	1.12	1.06	1.19	1.83E-04
rs3780296	9	79327254	C	T	1.00	0.95	1.06	9.17E-01	1.01	0.95	1.07	6.99E-01	1.00	0.95	1.05	9.38E-01
rs4836732	9	118306516	C	T	1.13	1.07	1.20	1.38E-05	1.13	1.07	1.20	2.30E-05	1.12	1.06	1.18	2.15E-05
rs2900277	9	131434091	G	T	1.01	0.94	1.07	8.63E-01	1.02	0.95	1.08	6.63E-01	0.98	0.92	1.04	4.81E-01
rs9299558	10	56603927	A	C	0.95	0.89	1.00	4.53E-02	0.94	0.88	0.99	2.13E-02	0.94	0.89	0.99	1.75E-02
rs787640	10	95114663	G	A	1.12	1.05	1.19	2.47E-04	1.12	1.05	1.19	4.35E-04	1.09	1.03	1.15	3.10E-03
rs11188412	10	97391986	A	G	0.88	0.79	0.99	2.79E-02	0.89	0.79	0.99	3.87E-02	0.90	0.81	1.00	5.33E-02
rs4757420	11	12371653	T	G	0.87	0.81	0.94	2.56E-04	0.89	0.82	0.96	2.80E-03	0.87	0.81	0.94	1.72E-04
rs7119797	11	61922811	T	C	0.90	0.85	0.95	2.23E-04	0.90	0.85	0.96	4.45E-04	0.90	0.86	0.95	6.91E-05
rs17159801	11	82496946	A	G	1.18	1.09	1.28	8.64E-05	1.18	1.08	1.28	2.19E-04	1.21	1.12	1.30	2.34E-06
rs2691829	11	90240224	T	C	1.13	1.07	1.19	2.79E-05	1.13	1.07	1.20	1.92E-05	1.10	1.04	1.16	5.45E-04
rs6589848	11	120229228	T	C	0.89	0.83	0.96	1.65E-03	0.88	0.82	0.95	1.06E-03	0.91	0.85	0.97	3.46E-03
rs7941193	11	125876053	A	G	1.01	0.94	1.09	7.44E-01	1.01	0.93	1.08	8.73E-01	1.01	0.95	1.08	7.32E-01
rs7122854	11	132673733	G	A	1.11	1.03	1.19	5.46E-03	1.11	1.03	1.19	6.61E-03	1.11	1.04	1.19	2.29E-03
rs7305794	12	24860894	T	C	1.07	1.01	1.14	2.53E-02	1.06	1.00	1.13	5.37E-02	1.08	1.02	1.14	1.05E-02
rs10492367	12	27906237	T	G	1.18	1.11	1.27	1.20E-06	1.19	1.11	1.28	7.00E-07	1.17	1.09	1.24	2.86E-06
rs6487684	12	28534480	T	C	1.05	0.99	1.13	1.21E-01	1.07	1.00	1.14	5.01E-02	1.04	0.97	1.10	2.65E-01
rs1034762	12	46675910	A	C	1.08	1.00	1.17	5.49E-02	1.08	1.00	1.17	4.97E-02	1.08	1.01	1.16	2.89E-02
rs1404866	12	83888610	T	G	1.00	0.94	1.07	9.93E-01	1.00	0.94	1.07	9.34E-01	1.05	0.99	1.12	8.89E-02
rs835487	12	103584897	G	A	1.14	1.08	1.21	7.95E-06	1.15	1.08	1.22	3.26E-06	1.11	1.05	1.17	1.70E-04
rs11064722	12	118157566	T	C	1.15	1.08	1.23	4.06E-05	1.15	1.08	1.24	5.67E-05	1.15	1.08	1.23	9.35E-06
rs9520058	13	105855421	G	T	0.89	0.84	0.95	1.70E-04	0.88	0.83	0.93	1.72E-05	0.89	0.85	0.94	4.63E-05
rs7155791	14	49487980	T	C	1.07	0.98	1.16	1.33E-01	1.09	1.00	1.18	5.20E-02	1.07	1.00	1.16	6.72E-02
rs11634255	15	30874764	G	A	1.06	1.00	1.12	5.71E-02	1.06	1.00	1.12	4.05E-02	1.05	1.00	1.11	5.59E-02
rs4646626	15	56043419	C	T	0.99	0.94	1.05	7.82E-01	0.99	0.94	1.05	7.96E-01	1.00	0.95	1.06	8.91E-01
rs8032755	15	91403060	A	G	0.95	0.90	1.01	9.97E-02	0.95	0.89	1.00	6.66E-02	0.94	0.89	0.99	2.84E-02
rs2908646	16	4971845	A	G	1.05	0.99	1.11	8.18E-02	1.04	0.99	1.10	1.47E-01	1.04	0.99	1.10	1.16E-01
rs12596722	16	9324789	C	A	1.05	0.99	1.12	9.30E-02	1.03	0.97	1.10	2.84E-01	1.05	0.99	1.11	8.78E-02
rs12923310	16	9695438	T	G	0.89	0.84	0.94	4.38E-05	0.89	0.84	0.94	9.01E-05	0.90	0.85	0.95	1.73E-04
rs8044769	16	52396636	T	C	0.90	0.85	0.95	1.76E-04	0.90	0.85	0.95	3.11E-04	0.90	0.86	0.95	8.96E-05
rs9937815	16	54888333	G	A	1.13	1.06	1.20	5.23E-05	1.13	1.07	1.20	4.83E-05	1.13	1.07	1.20	8.75E-06
rs7404629	16	64970230	A	G	0.90	0.84	0.96	1.67E-03	0.89	0.83	0.95	8.42E-04	0.90	0.85	0.96	1.58E-03
rs4078062	17	16919559	A	G	1.06	0.97	1.15	2.09E-01	1.06	0.97	1.16	2.14E-01	1.08	1.00	1.17	5.69E-02
rs8080960	17	67298538	G	A	1.10	1.04	1.17	5.28E-04	1.11	1.05	1.17	4.10E-04	1.10	1.04	1.16	4.39E-04
rs11665347	18	10468812	A	G	0.92	0.87	0.98	9.45E-03	0.91	0.85	0.97	2.68E-03	0.93	0.87	0.98	6.87E-03
rs17089382	18	70369681	T	C	1.22	1.12	1.32	6.90E-06	1.23	1.13	1.34	3.28E-06	1.18	1.09	1.28	4.58E-05
rs12974139	19	2135005	C	T	0.89	0.84	0.94	6.42E-05	0.90	0.85	0.95	2.42E-04	0.90	0.85	0.94	4.44E-05
rs10426443	19	8017982	G	A	1.02	0.95	1.10	5.09E-01	1.02	0.95	1.10	5.90E-01	1.02	0.96	1.09	4.86E-01
rs10426377	19	53784046	A	C	1.09	1.03	1.16	5.60E-03	1.09	1.02	1.17	7.45E-03	1.09	1.03	1.16	3.08E-03
rs1360400	20	22909890	A	G	0.99	0.94	1.05	6.92E-01	0.99	0.93	1.05	6.48E-01	0.98	0.93	1.03	3.58E-01
rs17785895	20	47866466	G	A	0.93	0.85	1.01	9.10E-02	0.92	0.84	1.01	6.60E-02	0.92	0.85	1.00	5.17E-02
rs4925370	20	60300986	G	A	1.00	0.95	1.06	9.97E-01	1.01	0.95	1.07	8.34E-01	1.00	0.95	1.05	9.37E-01
rs3747081	22	19682120	A	G	1.12	1.03	1.22	1.01E-02	1.11	1.02	1.21	1.70E-02	1.09	1.01	1.18	3.55E-02
rs7287616	22	22259852	T	C	0.87	0.81	0.93	1.72E-05	0.86	0.80	0.92	7.52E-06	0.88	0.83	0.93	2.27E-05
rs5762347	22	26489672	A	G	1.11	1.05	1.18	5.24E-04	1.12	1.06	1.19	1.48E-04	1.10	1.04	1.16	5.01E-04

Marker	deCODE				EGCUT				GARP				RS1			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1.00	0.92	1.09	9.89E-01	1.13	0.72	1.77	6.01E-01	0.69	0.47	1.02	6.23E-02	0.98	0.85	1.12	7.50E-01
rs1417066	1.05	0.98	1.13	1.80E-01					0.77	0.58	1.02	6.64E-02	1.10	0.98	1.23	9.30E-02
rs1629896	0.94	0.81	1.08	3.65E-01	1.09	0.54	2.23	8.08E-01	1.18	0.80	1.76	4.58E-01	0.94	0.78	1.14	5.63E-01
rs987179	1.07	0.98	1.16	1.28E-01	0.85	0.56	1.28	4.25E-01	1.09	0.81	1.46	6.47E-01	0.96	0.85	1.08	4.81E-01
rs1024816	1.04	0.88	1.22	6.80E-01	1.34	0.72	2.48	3.57E-01	1.11	0.68	1.81	7.18E-01	1.13	0.93	1.37	2.24E-01
rs3791679	1.08	0.98	1.19	1.42E-01	0.79	0.52	1.18	2.40E-01	0.99	0.72	1.37	9.86E-01	1.03	0.90	1.17	6.94E-01
rs10779958	1.03	0.93	1.13	6.29E-01					0.90	0.59	1.36	5.81E-01	0.82	0.69	0.96	1.60E-02
rs6754683	0.98	0.91	1.06	5.79E-01	1.15	0.80	1.66	4.54E-01	1.07	0.81	1.42	6.08E-01	0.91	0.81	1.01	8.70E-02
rs4622728	0.93	0.87	1.01	7.56E-02	0.92	0.64	1.31	6.29E-01	0.94	0.71	1.25	7.14E-01	1.06	0.94	1.18	3.35E-01
rs1432237	0.96	0.87	1.06	4.12E-01	1.07	0.69	1.67	7.47E-01	1.01	0.72	1.42	8.93E-01	0.97	0.85	1.12	6.99E-01
rs12618428	1.24	1.11	1.38	1.47E-04					1.15	0.78	1.70	4.17E-01	0.98	0.83	1.15	7.87E-01
rs6716254	1.10	1.01	1.19	2.64E-02	0.98	0.66	1.44	9.07E-01	1.02	0.75	1.38	9.32E-01	0.97	0.86	1.10	6.55E-01
rs6793234	1.14	1.01	1.27	2.97E-02	1.15	0.66	2.00	6.19E-01	1.18	0.78	1.80	4.72E-01	0.87	0.72	1.06	1.68E-01
rs11177	1.11	1.03	1.20	9.95E-03	1.27	0.88	1.83	2.04E-01	0.95	0.71	1.26	6.76E-01	0.89	0.80	1.00	5.20E-02
rs6976	1.10	1.02	1.19	1.93E-02	1.26	0.88	1.81	2.11E-01	0.94	0.70	1.25	6.31E-01	0.89	0.80	1.00	5.20E-02
rs10510816	0.98	0.90	1.05	5.33E-01					0.76	0.57	1.00	4.37E-02	0.95	0.85	1.06	3.57E-01
rs1355782	1.05	0.97	1.13	2.49E-01	0.84	0.58	1.20	3.35E-01	1.08	0.81	1.43	5.68E-01	0.96	0.86	1.08	4.81E-01
rs16851066	1.09	0.94	1.26	2.38E-01					0.77	0.41	1.43	4.33E-01	1.02	0.82	1.28	8.35E-01
rs12107036	1.02	0.95	1.10	5.47E-01	1.25	0.87	1.80	2.19E-01	0.97	0.73	1.28	8.29E-01	0.92	0.82	1.03	1.53E-01
rs16837352	0.93	0.88	0.98	8.57E-03					1.10	0.76	1.58	6.21E-01	0.90	0.77	1.05	1.98E-01
rs17578878	1.06	0.94	1.19	3.56E-01	1.36	0.69	2.66	3.73E-01	0.70	0.43	1.14	1.25E-01	0.94	0.79	1.13	5.17E-01
rs11725992	0.94	0.81	1.08	3.62E-01	0.79	0.38	1.61	5.10E-01					0.91	0.74	1.13	3.96E-01
rs12500935	1.08	0.96	1.21	1.79E-01					0.77	0.46	1.27	2.84E-01	1.03	0.86	1.24	7.18E-01
rs1566347	1.02	0.95	1.11	5.87E-01	1.16	0.79	1.70	4.44E-01	0.76	0.55	1.05	1.03E-01	1.06	0.94	1.19	3.63E-01
rs4957048	0.95	0.87	1.05	3.07E-01	0.57	0.36	0.92	2.07E-02	0.87	0.61	1.23	4.61E-01	1.01	0.88	1.15	8.81E-01
rs2610424	1.11	1.03	1.20	6.21E-03	0.63	0.43	0.91	1.37E-02	0.80	0.60	1.07	1.38E-01	1.04	0.93	1.16	5.24E-01
rs457008	0.98	0.91	1.06	6.75E-01	0.93	0.66	1.33	7.07E-01	0.85	0.64	1.12	2.44E-01	1.01	0.91	1.14	8.04E-01
rs10036746	0.97	0.85	1.10	6.20E-01					0.76	0.46	1.27	3.14E-01	0.97	0.81	1.16	7.28E-01
rs10515550	1.01	0.94	1.09	7.59E-01					0.99	0.75	1.31	9.80E-01	1.06	0.95	1.19	2.91E-01
rs13167773	0.98	0.91	1.06	5.95E-01					0.96	0.62	1.47	7.22E-01	1.08	0.92	1.27	3.49E-01
rs10051783	1.00	0.89	1.11	9.24E-01	1.14	0.70	1.87	5.92E-01	0.80	0.53	1.21	2.83E-01	0.99	0.85	1.16	9.17E-01
rs10948172	1.09	1.00	1.19	4.32E-02					0.97	0.71	1.31	8.10E-01	1.09	0.97	1.23	1.44E-01
rs9350591	1.10	0.98	1.24	9.60E-02	1.13	0.68	1.85	6.42E-01	1.09	0.71	1.67	7.07E-01	1.19	1.00	1.40	4.30E-02
rs10943837	0.94	0.87	1.02	1.28E-01	0.99	0.67	1.46	9.46E-01	0.89	0.66	1.20	4.20E-01	1.08	0.96	1.22	1.79E-01
rs2493984	1.01	0.93	1.10	8.49E-01	1.56	1.05	2.32	2.71E-02	1.06	0.79	1.42	6.84E-01	1.03	0.91	1.16	6.16E-01
rs7755798	0.96	0.86	1.07	4.96E-01	0.70	0.43	1.16	1.68E-01	0.75	0.51	1.11	1.76E-01	0.85	0.73	0.98	2.60E-02
rs2027532	1.01	0.92	1.10	8.60E-01	0.96	0.65	1.42	8.43E-01	0.90	0.64	1.26	4.92E-01	0.99	0.86	1.13	8.47E-01
rs6931833	1.01	0.93	1.10	8.27E-01					1.03	0.75	1.42	8.74E-01	0.97	0.85	1.11	6.69E-01
rs17627827									1.28	0.78	2.08	3.28E-01	0.97	0.77	1.21	7.56E-01
rs6461679	0.94	0.87	1.02	1.54E-01	0.82	0.58	1.17	2.71E-01	1.24	0.94	1.64	1.36E-01	1.00	0.89	1.12	9.79E-01
rs7785659	1.03	0.90	1.17	6.77E-01	1.42	0.89	2.27	1.44E-01	1.15	0.79	1.65	4.76E-01	1.06	0.91	1.24	4.28E-01
rs7805536	0.99	0.89	1.11	9.01E-01					1.35	0.96	1.89	8.62E-02	1.08	0.93	1.24	3.03E-01
rs1859572	1.00	0.91	1.10	9.34E-01	1.13	0.72	1.78	5.97E-01	0.66	0.45	0.97	2.85E-02	1.00	0.87	1.14	9.59E-01
rs6466265	1.01	0.92	1.12	8.03E-01					1.12	0.81	1.57	5.20E-01	0.88	0.77	1.01	6.80E-02
rs2966417	1.00	0.91	1.10	9.99E-01	0.80	0.52	1.25	3.36E-01	1.07	0.77	1.50	7.45E-01	1.11	0.97	1.26	1.34E-01
rs4841020	0.89	0.81	0.98	1.87E-02	1.04	0.63	1.74	8.71E-01	0.98	0.68	1.43	9.26E-01	0.96	0.83	1.11	5.91E-01
rs1876836	0.94	0.87	1.03	1.85E-01	0.77	0.50	1.20	2.54E-01	0.82	0.58	1.15	2.35E-01	1.02	0.90	1.16	7.72E-01
rs4841067	1.01	0.91	1.12	9.12E-01	0.87	0.53	1.45	6.01E-01	1.17	0.81	1.70	3.47E-01	0.92	0.79	1.09	3.41E-01
rs609792	0.94	0.86	1.03	1.65E-01					1.04	0.74	1.47	8.18E-01	1.08	0.94	1.24	2.55E-01
rs6997710	1.12	0.98	1.28	9.37E-02	0.78	0.45	1.38	3.99E-01	0.81	0.50	1.34	3.89E-01	0.91	0.73	1.13	3.96E-01
rs1421259	0.96	0.89	1.04	3.18E-01					1.19	0.90	1.58	2.20E-01	1.03	0.91	1.15	6.71E-01
rs2289496	0.93	0.86	1.01	6.96E-02	1.18	0.82	1.70	3.78E-01	0.87	0.65	1.17	2.96E-01	1.04	0.93	1.17	4.80E-01
rs16870112	1.09	0.95	1.24	2.09E-01	1.59	0.73	3.43	2.42E-01	1.39	0.90	2.15	1.41E-01	1.06	0.88	1.28	5.35E-01
rs4072286	0.99	0.92	1.07	7.95E-01	1.39	0.93	2.09	1.07E-01	1.17	0.88	1.55	3.35E-01	0.93	0.81	1.06	2.53E-01
rs2146423	1.01	0.94	1.08	8.30E-01					1.02	0.77	1.35	8.67E-01	0.93	0.83	1.04	2.13E-01
rs945442	0.99	0.91	1.08	8.07E-01	1.20	0.80	1.80	3.83E-01	1.17	0.86	1.60	3.00E-01	1.01	0.89	1.15	8.78E-01
rs3780296	0.91	0.84	0.98	1.32E-02	1.02	0.71	1.47	9.11E-01	0.87	0.65	1.15	3.40E-01	0.95	0.85	1.06	3.72E-01
rs4836732	1.10	1.02	1.19	1.11E-02	0.89	0.62	1.28	5.36E-01	0.79	0.59	1.04	7.38E-02	1.03	0.93	1.16	5.49E-01
rs2900277	0.95	0.87	1.04	2.72E-01	0.92	0.61	1.38	6.83E-01	1.22	0.89	1.66	2.52E-01	0.92	0.81	1.05	2.33E-01
rs9299558	1.04	0.97	1.13	2.90E-01					0.98	0.74	1.29	8.80E-01	1.00	0.90	1.12	9.45E-01
rs787640	1.01	0.93	1.10	7.75E-01					1.09	0.81	1.48	5.26E-01	1.03	0.91	1.16	6.41E-01
rs11188412	1.09	0.94	1.28	2.59E-01	0.59	0.30	1.17	1.29E-01	0.41	0.19	0.88	1.78E-02	1.12	0.90	1.38	3.17E-01
rs4757420	0.93	0.84	1.04	2.08E-01	0.75	0.49	1.14	1.81E-01	0.90	0.60	1.34	7.24E-01	0.98	0.84	1.15	8.09E-01
rs7119797	1.00	0.99	1.08	9.28E-01					0.86	0.65	1.13	2.41E-01	1.01	0.91	1.13	8.29E-01
rs17159801	1.02	0.92	1.13	7.05E-01					0.81	0.48	1.34	3.90E-01	0.89	0.73	1.07	2.23E-01
rs2691829	1.05	0.97	1.14	2.15E-01					1.05	0.79	1.39	7.71E-01	0.95	0.85	1.06	3.54E-01
rs6589848	0.93	0.84	1.02	1.23E-01					0.91	0.63	1.31	5.24E-01	1.18	1.03	1.35	1.80E-02
rs7941193	0.97	0.88	1.07	5.88E-01	1.43	0.90	2.27	1.30E-01	1.56	1.13	2.15	1.02E-02	1.02	0.88	1.19	7.57E-01
rs7122854	0.95	0.86	1.06	3.77E-01					1.12	0.80	1.57	5.79E-01	1.03	0.90	1.19	6.43E-01
rs7305794	0.95	0.87	1.03	2.12E-01					0.94	0.69	1.29	7.20E-01	1.02	0.91	1.15	7.21E-01
rs10492367	1.06	0.97	1.17	2.18E-01	1.52	0.98	2.35	6.01E-02	1.19	0.85	1.66	2.90E-01	1.07	0.94	1.23	3.06E-01
rs6487684	1.04	0.95	1.14	3.61E-01	1.16	0.79	1.72	4.50E-01	1.14	0.83	1.58	4.44E-01	1.05	0.92	1.20	5.01E-01
rs1034762	1.00	0.89	1.12	9.55E-01	0.80	0.50	1.26	3.32E-01	1.15	0.79	1.67	4.55E-01	1.01	0.87	1.18	8.77E-01
rs1404866	1.00	0.90	1.12	9.73E-01					0.55	0.37	0.82	3.36E-03	0.93	0.82	1.06	2.88E-01
rs835487	1.16	1.07	1.25	1.93E-04	0.99	0.68	1.46	9.77E-01	1.07	0.80	1.44	5.49E-01	0.95	0.84	1.07	3.84E-01
rs11064722	1.01	0.93	1.09	8.44E-01	0.95	0.59	1.54	8.43E-01	0.74	0.51	1.09	1.33E-01	1.00	0.87	1.15	9.86E-01
rs9520058	0.99	0.91	1.07	7.32E-01					1.29	0.97	1.71	8.54E-02	1.04	0.92	1.16	5.56E-01
rs7155791	1.05	0.95	1.17	3.40E-01	1.00	0.59	1.68	9.87E-01	0.77	0.48	1.25	2.63E-01	1.00	0.85	1.18	9.97E-01
rs11634255	0.96	0.89	1.03	2.78E-01					0.99	0.75	1.30	9.66E-01	0.89	0.80	1.00	4.50E-02
rs4646626	0.92	0.85	0.99	3.42E-02	0.99	0.69	1.42	9.47E-01	1.06	0.80	1.40	6.37E-01	0.98	0.87	1.09	6.69E-01
rs8032755	0.93	0.88	0.99	2.65E-02					1.05	0.79	1.39	7.49E-01	1.02	0.91	1.14	7.56E-01
rs2908646	1.00	0.93	1.08	9.75E-01					0.92	0.69	1.21	5.54E-01	0.95	0.85	1.07	4.14E-01
rs12596722	1.03	0.95	1.11	5.20E-01					0.69	0.51	0.94	1.70E-02	1.02	0.91	1.15	7.09E-01
rs12923310	1.02	0.95	1.11	5.59E-01					1.15	0.86	1.53	3.86E-01	0.94	0.83	1.06	2.93E-01
rs8044769	0.93	0.86	1.00	6.01E-02	1.03	0.72	1.47	8.82E-01	0.95	0.72	1.25	6.79E-01	1.09	0.98	1.22	1.17E-01
rs9937815	1.02	0.94	1.11	6.06E-01					1.32	1.00	1.76	3.73E-02	1.00	0.89	1.12	9.93E-01
rs7404629	1.03	0.93	1.14	5.55E-01	0.90	0.56	1.45	6.75E-01	0.86	0.61	1.22	3.98E-01	1.08	0.94	1.24	2.89E-01
rs4078062	1.04	0.91	1.19	5.46E-01	1.47	0.84	2.56	1.77E-01	0.84	0.52	1.36	5.36E-01	0.90	0.75	1.08	2.46E-01
rs8080960	0.99	0.91	1.07	7.27E-01	1.09	0.76	1.56	6.40E-01	1.42	1.08	1.88	1.48E-02	0.98	0.88	1.10	7.62E-01
rs11665347	0.92	0.84	1.00	5.48E-02					1.01	0.74	1.37	9.27E-01	0.99	0.88	1.12	8.96E-01
rs17089382	0.95	0.86	1.06	3.49E-01					0.93	0.59	1.45	7.18E-01	0.98	0.82	1.16	7.96E-01
rs12974139	0.96	0.89	1.04	3.06E-01					0.90	0.68	1.20	4.41E-01	0.84	0.75	0.94	2.00E-03
rs10426443	0.97	0.88	1.07	5.46E-01	0.68	0.43	1.08	1.01E-01	1.25	0.88	1.76	1.94E-01	1.03	0.89	1.19	6.95E-01
rs10426377	1.01	0.97	1.06	5.58E-01					1.06	0.77	1.46	7.21E-01	1.11	0.98	1.27	1.10E-01
rs1360400	0.95	0.88	1.03	1.96E-01	1.60	1.11	2.30	1.14E-02	1.14	0.86	1.51	3.94E-01	1.05	0.94	1.17	4.28E-01
rs17785895	0.91	0.81	1.02	9.50E-02	1.03	0.52	2.01	9.40E-01	1.08	0.71	1.63	7.82E-01	1.00	0.84	1.20	9.79E-01
rs4925370	1.09	1.01	1.17	3.27E-02					1.15	0.87	1.51	4.40E-01	1.06	0.95	1.18	3.16E-01
rs3747081	1.01	0.90	1.13	9.18E-01	1.25	0.77	2.04	3.69E-01	0.74	0.46	1.21	2.04E-01	1.11	0.94	1.31	2.30E-01
rs7287616	0.97	0.89	1.06	4.79E-01	0.98	0.63	1.52	9.21E-01	0.98	0.71	1.35	9.41E-01	0.98	0.86	1.11	7.54E-01
rs5762347	1.08	0.99	1.17	7.91E-02					1.32	0.99	1.76	6.04E-02	1.01	0.89	1.16	8.43E-01

Marker	RS2				TwinsUK				UK_replication				THR_UK_replication				UK_replication HIP+			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	0.83	0.62	1.12	2.28E-01	1.32	0.84	2.08	2.41E-01												
rs1417066	1.07	0.85	1.35	5.39E-01	0.93	0.64	1.37	7.14E-01	1.06	0.95	1.17	3.04E-01	1.05	0.94	1.17	0.3841	1.09	0.98	1.20	1.04E-01
rs1629896	0.70	0.42	1.17	1.69E-01	1.15	0.61	2.17	6.47E-01												
rs987179	0.91	0.70	1.19	5.09E-01	0.86	0.56	1.31	4.53E-01												
rs1024816	0.91	0.58	1.43	6.84E-01	0.82	0.42	1.60	5.63E-01												
rs3791679	0.81	0.61	1.07	1.38E-01	1.36	0.86	2.16	2.05E-01												
rs10779958	1.29	0.94	1.77	1.14E-01	0.81	0.47	1.40	4.35E-01												
rs6754683	0.90	0.71	1.13	3.57E-01	1.11	0.75	1.63	6.09E-01												
rs4622728	0.82	0.65	1.04	1.00E-01	0.72	0.49	1.06	9.23E-02												
rs1432237	0.98	0.74	1.31	9.14E-01	0.93	0.58	1.50	7.58E-01												
rs12618428	1.05	0.75	1.47	7.65E-01	1.03	0.54	1.96	9.28E-01												
rs6716254	1.17	0.91	1.51	2.24E-01	0.98	0.65	1.48	9.26E-01												
rs6793234	0.70	0.45	1.09	1.12E-01	0.66	0.37	1.20	1.61E-01												
rs11177	1.19	0.94	1.50	1.57E-01	0.75	0.50	1.13	1.59E-01	1.07	0.96	1.19	2.36E-01	1.07	0.96	1.19	0.2365	1.06	0.96	1.18	2.33E-01
rs6976	1.19	0.94	1.50	1.53E-01	0.75	0.50	1.13	1.59E-01	1.08	0.97	1.20	1.51E-01	1.08	0.97	1.20	0.1589	1.08	0.97	1.19	1.57E-01
rs10510816	0.97	0.77	1.22	7.72E-01	0.76	0.52	1.12	1.66E-01												
rs1355782	0.95	0.75	1.20	6.60E-01	0.86	0.58	1.28	4.35E-01												
rs16851066	0.90	0.56	1.45	6.64E-01	0.57	0.24	1.40	2.10E-01												
rs12107036	1.00	0.79	1.25	9.82E-01	0.96	0.65	1.40	8.18E-01	0.95	0.86	1.06	3.77E-01	0.95	0.85	1.05	0.3009	0.97	0.88	1.07	5.05E-01
rs16837352	0.92	0.67	1.26	5.96E-01	1.49	0.89	2.50	8.88E-02												
rs17578878	1.11	0.77	1.59	5.87E-01	0.96	0.54	1.71	8.93E-01												
rs11725992	0.97	0.62	1.52	8.98E-01	1.01	0.47	2.18	9.87E-01												
rs12500935	0.90	0.59	1.37	6.25E-01	0.84	0.45	1.56	5.53E-01												
rs1566347	0.99	0.77	1.27	9.36E-01	1.33	0.89	1.98	1.59E-01												
rs4957048	1.15	0.88	1.51	2.96E-01	1.20	0.77	1.87	4.27E-01	0.94	0.83	1.07	3.51E-01	0.95	0.83	1.08	0.3994	0.95	0.85	1.07	4.38E-01
rs2610424	0.81	0.64	1.02	7.38E-02	1.00	0.68	1.47	9.98E-01												
rs457008	1.21	0.96	1.52	1.02E-01	0.82	0.56	1.21	3.06E-01												
rs10036746	1.25	0.86	1.80	2.38E-01	0.88	0.45	1.73	7.28E-01												
rs10515550	1.22	0.97	1.53	8.51E-02	1.09	0.74	1.60	6.86E-01												
rs13167773	1.03	0.72	1.47	8.63E-01	0.58	0.31	1.09	6.29E-02												
rs10051783	1.00	0.73	1.37	9.95E-01	1.21	0.69	2.12	4.97E-01												
rs10948172	1.20	0.94	1.54	1.43E-01	1.36	0.90	2.05	1.55E-01	1.03	0.92	1.16	5.67E-01	1.03	0.92	1.16	0.5971	1.03	0.92	1.14	6.35E-01
rs9350591	1.11	0.78	1.59	5.52E-01	1.16	0.67	2.01	5.88E-01	1.29	1.11	1.52	1.31E-03	1.28	1.09	1.50	0.002839	1.25	1.07	1.45	3.83E-03
rs10943837	0.95	0.74	1.22	6.92E-01	1.17	0.79	1.73	4.09E-01												
rs2493984	1.12	0.87	1.43	3.78E-01	1.21	0.81	1.83	3.60E-01	1.00	0.89	1.11	9.41E-01	0.98	0.88	1.10	0.7816	0.98	0.88	1.09	6.87E-01
rs7755798	1.01	0.75	1.36	9.42E-01	0.87	0.50	1.52	6.30E-01												
rs2027532	1.22	0.93	1.59	1.44E-01	0.75	0.46	1.22	2.63E-01												
rs6931833	1.14	0.88	1.47	3.36E-01	1.18	0.77	1.82	4.33E-01												
rs17627827	0.93	0.59	1.46	7.40E-01	1.73	0.85	3.54	1.00E-01												
rs6461679	1.03	0.81	1.31	7.94E-01	1.25	0.85	1.85	2.69E-01												
rs7785659	0.88	0.63	1.22	4.39E-01	1.07	0.62	1.84	8.05E-01	0.98	0.84	1.14	7.89E-01	0.99	0.85	1.15	0.8797	1.01	0.88	1.17	8.57E-01
rs7805536	0.82	0.60	1.14	2.39E-01	1.18	0.70	1.98	5.28E-01	0.99	0.85	1.14	8.44E-01	1.00	0.86	1.15	0.9471	1.05	0.92	1.20	4.62E-01
rs1859572	0.86	0.64	1.15	3.04E-01	1.12	0.71	1.78	6.15E-01												
rs6466265	1.12	0.84	1.49	4.49E-01	1.32	0.84	2.10	2.38E-01	0.79	0.69	0.91	1.15E-03	0.80	0.69	0.92	0.001612	0.80	0.70	0.91	7.53E-04
rs2966417	0.90	0.68	1.20	4.70E-01	0.81	0.51	1.29	3.64E-01												
rs4841020	1.03	0.75	1.40	8.70E-01	0.67	0.38	1.18	1.74E-01												
rs1876836	1.06	0.80	1.39	6.99E-01	0.88	0.55	1.42	6.26E-01	1.02	0.90	1.15	7.78E-01	1.02	0.90	1.16	0.7314	1.00	0.89	1.12	9.95E-01
rs4841067	0.82	0.58	1.18	2.85E-01	0.56	0.31	1.03	6.14E-02												
rs609792	1.06	0.80	1.41	6.71E-01	1.53	0.98	2.38	5.51E-02												
rs6997710	0.72	0.44	1.19	2.01E-01	0.63	0.30	1.33	2.25E-01												
rs1421259	0.85	0.67	1.08	1.85E-01	0.84	0.56	1.26	4.09E-01												
rs2289496	1.07	0.84	1.36	5.81E-01	0.72	0.47	1.09	9.16E-02												
rs16870112	0.89	0.59	1.34	5.70E-01	0.55	0.24	1.25	1.59E-01												
rs4072286	0.96	0.76	1.22	7.66E-01	0.85	0.57	1.27	4.08E-01												
rs2146423	1.14	0.91	1.44	2.53E-01	1.06	0.72	1.57	7.48E-01												
rs945442	0.74	0.55	0.99	4.39E-02	0.76	0.48	1.19	2.43E-01												
rs3780296	0.98	0.77	1.24	8.74E-01	1.08	0.73	1.59	6.90E-01												
rs4836732	0.93	0.74	1.17	5.56E-01	1.15	0.78	1.69	4.79E-01	1.11	1.00	1.23	5.95E-02	1.11	1.00	1.23	0.05906	1.15	1.04	1.27	4.85E-03
rs2900277	1.02	0.77	1.34	9.00E-01	0.56	0.34	0.92	2.60E-02	0.98	0.86	1.10	7.10E-01	0.99	0.87	1.12	0.8304	0.96	0.86	1.08	5.26E-01
rs9299558	1.01	0.81	1.27	9.25E-01	0.99	0.68	1.45	9.63E-01												
rs787640	0.87	0.67	1.14	3.10E-01	1.02	0.67	1.56	9.34E-01												
rs11188412	1.00	0.62	1.64	9.87E-01	0.73	0.30	1.81	4.88E-01	0.87	0.70	1.08	2.16E-01	0.87	0.69	1.08	0.2032	0.82	0.67	1.01	6.19E-02
rs4757420	1.25	0.93	1.69	1.37E-01	1.05	0.62	1.77	8.49E-01												
rs7119797	1.08	0.85	1.36	5.41E-01	0.93	0.63	1.36	7.06E-01												
rs17159801	0.95	0.64	1.41	7.92E-01	0.99	0.52	1.88	9.66E-01												
rs2691829	0.68	0.53	0.87	3.00E-03	1.16	0.78	1.73	4.52E-01												
rs6589848	1.14	0.86	1.51	3.67E-01	1.07	0.66	1.72	7.80E-01												
rs7941193	0.99	0.73	1.34	9.49E-01	1.21	0.76	1.94	4.18E-01	0.84	0.73	0.96	1.17E-02	0.84	0.73	0.96	0.01358	0.86	0.76	0.98	2.03E-02
rs7122854	0.91	0.67	1.23	5.43E-01	0.78	0.47	1.29	3.55E-01												
rs7305794	0.78	0.59	1.03	7.49E-02	0.84	0.54	1.31	4.35E-01												
rs10492367	0.96	0.71	1.30	7.98E-01	0.65	0.37	1.12	1.03E-01	1.26	1.11	1.43	3.86E-04	1.24	1.09	1.41	0.001041	1.19	1.05	1.34	5.66E-03
rs6487684	1.11	0.84	1.46	4.59E-01	1.83	1.18	2.85	6.44E-03												
rs1034762	1.29	0.96	1.74	9.70E-02	0.59	0.31	1.13	9.52E-02												
rs1404866	1.09	0.83	1.43	5.41E-01	1.16	0.75	1.81	4.95E-01												
rs835487	1.11	0.87	1.41	3.90E-01	1.07	0.72	1.58	7.41E-01	1.04	0.93	1.16	4.74E-01	1.03	0.92	1.15	0.647	1.04	0.94	1.16	4.07E-01
rs11064722	1.07	0.80	1.42	6.51E-01	0.78	0.47	1.28	3.12E-01												
rs9520058	1.08	0.85	1.37	5.17E-01	0.82	0.55	1.23	3.64E-01												
rs7155791	0.80	0.55	1.16	2.34E-01	0.80	0.45	1.44	4.55E-01												
rs11634255	0.98	0.78	1.23	8.35E-01	1.04	0.71	1.53	8.37E-01												
rs4646626	0.83	0.66	1.05	1.28E-01	0.91	0.62	1.34	6.34E-01												
rs8032755	0.72	0.57	0.92	9.34E-03	1.02	0.69	1.50	9.25E-01	0.89	0.80	0.99	3.59E-02	0.90	0.80	1.00	0.04526	0.88	0.80	0.97	1.29E-02
rs2908646	1.04	0.82	1.31	7.66E-01	0.68	0.46	0.99	4.34E-02												
rs12596722	1.06	0.82	1.35	6.68E-01	0.75	0.49	1.14	1.72E-01												
rs12923310	0.92	0.72	1.18	5.30E-01	0.87	0.58	1.30	4.96E-01												
rs8044769	0.92	0.73	1.16	4.98E-01	1.10	0.75	1.62	6.12E-01	0.99	0.89	1.10	8.82E-01	1.00	0.90	1.11	0.9699	0.98	0.89	1.08	7.38E-01
rs9937815	1.19	0.94	1.51	1.58E-01	0.65	0.43	0.99	4.97E-02												
rs7404629	0.81	0.60	1.10	1.71E-01	0.80	0.49	1.32	4.09E-01												
rs4078062	0.85	0.58	1.25	4.13E-01	0.49	0.24	0.98	3.98E-02												
rs8080960	0.95	0.76	1.20	6.79E-01	0.97	0.66	1.44	8.95E-01												
rs11665347	0.97	0.75	1.25	8.20E-01	0.73	0.47	1.13	1.61E-01												
rs17089382	0.85	0.59	1.25	4.16E-01	1.55	0.90	2.70	9.05E-02												
rs12974139	1.07	0.85	1.35	5.62E-01	0.73	0.49	1.09	1.02E-01	0.91	0.82	1.02	9.46E-02	0.90	0.81	1.01	0.06269	0.95	0.86	1.05	3.03E-01
rs10426443	1.01	0.74	1.37	9.64E-01	1.11	0.69	1.81	6.70E-01												
rs10426377	1.21	0.93	1.57	1.57E-01	1.09	0.71	1.69	6.60E-01												
rs1360400	0.97	0.76	1.24	8.19E-01	0.77	0.52	1.14	1.81E-01												
rs17785895	1.35	0.96	1.91	8.85E-02	1.03	0.56	1.90	9.31E-01												
rs4925370	0.94	0.74	1.18	5.73E-01	1.18	0.80	1.72	4.12E-01	1.00	0.90	1.12	9.45E-01	1.01	0.90	1.12	0.9261	0.99	0.89	1.09	7.97E-01
rs3747081	0.83	0.57	1.22	3.47E-01	0.92	0.50	1.69	7.92E-01												
rs7287616	0.93	0.71	1.22	6.09E-01	1.01	0.65	1.58	9.60E-01												
rs5762347	0.94	0.73	1.20	6.04E-01	1.43	0.96	2.12	7.55E-02	1.10	0.98	1.22	9.96E-02	1.10	0.98	1.23	0.1022	1.11	1.00	1.23	5.05E-02

Marker	Meta arcOGEN_insilico_denovo_fixed						Meta arcOGEN_insilico_denovo_random					
	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
rs1854169	0.94	0.89	0.98	8.60E-03	1.13E-01	0.417	0.94	0.87	1.03	1.80E-01	1.13E-01	0.417
rs1417066	1.08	1.04	1.12	1.08E-04	2.55E-01	0.229	1.07	1.02	1.12	6.85E-03	2.55E-01	0.229
rs1629896	0.97	0.90	1.04	3.53E-01	7.67E-01	0.000	0.97	0.90	1.04	3.53E-01	7.67E-01	0.000
rs987179	0.96	0.92	1.00	6.52E-02	8.66E-02	0.457	0.97	0.89	1.04	3.92E-01	8.66E-02	0.457
rs1024816	1.11	1.03	1.20	4.63E-03	8.02E-01	0.000	1.11	1.03	1.20	4.63E-03	8.02E-01	0.000
rs3791679	0.95	0.90	0.99	2.46E-02	5.78E-03	0.670	0.97	0.86	1.08	5.54E-01	5.78E-03	0.670
rs10779958	1.01	0.95	1.06	8.48E-01	1.05E-01	0.450	0.99	0.90	1.09	8.24E-01	1.05E-01	0.450
rs6754683	0.95	0.91	0.99	1.07E-02	6.68E-01	0.000	0.95	0.91	0.99	1.07E-02	6.68E-01	0.000
rs4622728	0.95	0.92	0.99	2.14E-02	3.25E-01	0.137	0.95	0.91	1.00	5.61E-02	3.25E-01	0.137
rs1432237	0.93	0.89	0.98	6.93E-03	8.74E-01	0.000	0.93	0.89	0.98	6.93E-03	8.74E-01	0.000
rs12618428	1.02	0.96	1.08	4.84E-01	2.18E-03	0.733	1.05	0.90	1.22	5.29E-01	2.18E-03	0.733
rs6716254	0.98	0.94	1.02	3.56E-01	2.59E-02	0.582	1.01	0.92	1.10	9.00E-01	2.59E-02	0.582
rs6793234	1.00	0.93	1.06	9.20E-01	4.43E-02	0.536	0.97	0.86	1.10	6.73E-01	4.43E-02	0.536
rs11177	1.10	1.06	1.14	2.02E-06	5.39E-04	0.729	1.06	0.96	1.16	2.43E-01	5.39E-04	0.729
rs6976	1.10	1.06	1.14	1.40E-06	5.08E-04	0.731	1.06	0.96	1.16	2.41E-01	5.08E-04	0.731
rs10510816	0.97	0.94	1.02	2.19E-01	3.62E-01	0.085	0.97	0.93	1.02	2.12E-01	3.62E-01	0.085
rs1355782	0.99	0.95	1.03	4.91E-01	5.78E-01	0.000	0.99	0.95	1.03	4.91E-01	5.78E-01	0.000
rs16851066	1.12	1.03	1.21	6.29E-03	2.57E-01	0.236	1.09	0.98	1.21	1.19E-01	2.57E-01	0.236
rs12107036	0.95	0.92	0.99	1.30E-02	3.29E-01	0.130	0.96	0.92	1.00	5.64E-02	3.29E-01	0.130
rs16837352	0.97	0.93	1.01	1.40E-01	5.38E-02	0.540	0.98	0.90	1.07	6.78E-01	5.38E-02	0.540
rs17578878	0.97	0.91	1.04	4.15E-01	4.29E-01	0.000	0.97	0.91	1.04	4.15E-01	4.29E-01	0.000
rs11725992	0.88	0.81	0.95	9.12E-04	8.02E-01	0.000	0.88	0.81	0.95	9.12E-04	8.02E-01	0.000
rs12500935	1.10	1.03	1.17	3.71E-03	3.53E-01	0.099	1.09	1.01	1.18	2.03E-02	3.53E-01	0.099
rs1566347	0.97	0.93	1.01	1.96E-01	6.11E-02	0.502	0.99	0.92	1.08	8.75E-01	6.11E-02	0.502
rs4957048	0.96	0.92	1.00	5.93E-02	2.97E-01	0.169	0.96	0.91	1.01	1.48E-01	2.97E-01	0.169
rs2610424	1.03	0.99	1.08	1.01E-01	6.43E-03	0.665	0.98	0.89	1.07	6.42E-01	6.43E-03	0.665
rs457008	0.98	0.95	1.02	4.53E-01	4.88E-01	0.000	0.98	0.95	1.02	4.53E-01	4.88E-01	0.000
rs10036746	1.07	1.00	1.14	6.20E-02	1.25E-01	0.420	1.04	0.93	1.16	5.16E-01	1.25E-01	0.420
rs10515550	1.01	0.97	1.05	6.44E-01	4.84E-01	0.000	1.01	0.97	1.05	6.44E-01	4.84E-01	0.000
rs13167773	0.95	0.91	1.00	6.46E-02	1.74E-01	0.351	0.96	0.88	1.04	3.01E-01	1.74E-01	0.351
rs10051783	1.02	0.96	1.08	5.62E-01	8.73E-01	0.000	1.02	0.96	1.08	5.62E-01	8.73E-01	0.000
rs10948172	1.10	1.06	1.14	5.42E-06	7.19E-01	0.000	1.10	1.06	1.14	5.42E-06	7.19E-01	0.000
rs9350591	1.18	1.12	1.25	6.42E-09	8.83E-01	0.000	1.18	1.12	1.25	6.42E-09	8.83E-01	0.000
rs10943837	1.06	1.02	1.11	6.08E-03	8.31E-03	0.653	1.03	0.93	1.13	5.66E-01	8.31E-03	0.653
rs2493984	1.07	1.03	1.11	1.39E-03	2.06E-01	0.279	1.06	1.00	1.12	3.62E-02	2.06E-01	0.279
rs7755798	1.02	0.97	1.08	4.96E-01	9.60E-03	0.645	0.94	0.83	1.07	3.60E-01	9.60E-03	0.645
rs2027532	1.02	0.97	1.07	4.16E-01	6.46E-01	0.000	1.02	0.97	1.07	4.16E-01	6.46E-01	0.000
rs6931833	0.93	0.89	0.98	2.97E-03	2.07E-02	0.624	0.97	0.88	1.08	6.13E-01	2.07E-02	0.624
rs17627827	1.04	0.87	1.25	6.77E-01	3.57E-01	0.073	0.99	0.90	1.09	7.72E-01	4.51E-01	0.000
rs6461679	0.98	0.94	1.02	3.59E-01	3.80E-01	0.063	0.98	0.94	1.03	4.38E-01	3.80E-01	0.063
rs7785659	1.03	0.98	1.09	2.62E-01	8.23E-01	0.000	1.03	0.98	1.09	2.62E-01	8.23E-01	0.000
rs7805536	1.03	0.98	1.09	2.08E-01	4.31E-01	0.000	1.03	0.98	1.09	2.08E-01	4.31E-01	0.000
rs1859572	1.08	1.02	1.13	3.07E-03	1.11E-02	0.637	1.01	0.90	1.13	8.49E-01	1.11E-02	0.637
rs6466265	0.99	0.94	1.03	5.59E-01	8.05E-03	0.654	0.98	0.88	1.08	6.36E-01	8.05E-03	0.654
rs2966417	0.92	0.88	0.97	1.02E-03	4.83E-03	0.678	0.95	0.85	1.07	3.90E-01	4.83E-03	0.678
rs4841020	0.94	0.89	0.99	1.71E-02	7.41E-01	0.000	0.94	0.89	0.99	1.71E-02	7.41E-01	0.000
rs1876836	0.96	0.92	1.00	6.87E-02	7.18E-01	0.000	0.96	0.92	1.00	6.87E-02	7.18E-01	0.000
rs4841067	0.96	0.91	1.01	1.35E-01	4.21E-01	0.003	0.96	0.91	1.01	1.37E-01	4.21E-01	0.003
rs609792	1.04	0.99	1.09	1.34E-01	9.49E-02	0.467	1.04	0.96	1.14	3.22E-01	9.49E-02	0.467
rs6997710	1.07	1.00	1.15	4.44E-02	1.08E-01	0.425	1.01	0.89	1.14	9.29E-01	1.08E-01	0.425
rs1421259	1.06	1.02	1.11	4.77E-03	3.04E-03	0.721	1.02	0.92	1.13	7.02E-01	3.04E-03	0.721
rs2289496	0.92	0.88	0.96	4.85E-05	5.36E-02	0.516	0.94	0.87	1.02	1.48E-01	5.36E-02	0.516
rs16870112	1.15	1.07	1.23	1.05E-04	1.94E-01	0.307	1.12	1.01	1.25	2.74E-02	1.94E-01	0.307
rs4072286	1.04	1.00	1.08	5.64E-02	9.26E-02	0.448	1.03	0.95	1.10	5.11E-01	9.26E-02	0.448
rs2146423	0.99	0.95	1.03	4.74E-01	6.43E-01	0.000	0.99	0.95	1.03	4.74E-01	6.43E-01	0.000
rs945442	1.08	1.03	1.13	1.55E-03	2.41E-03	0.705	1.02	0.91	1.15	7.17E-01	2.41E-03	0.705
rs3780296	0.97	0.93	1.01	9.65E-02	4.99E-01	0.000	0.97	0.93	1.01	9.65E-02	4.99E-01	0.000
rs4836732	1.09	1.05	1.14	2.01E-06	1.38E-01	0.365	1.07	1.01	1.13	1.61E-02	1.38E-01	0.365
rs2900277	0.98	0.94	1.02	3.04E-01	2.66E-01	0.206	0.97	0.92	1.03	3.26E-01	2.66E-01	0.206
rs9299558	0.98	0.94	1.02	3.69E-01	4.94E-01	0.000	0.98	0.94	1.02	3.69E-01	4.94E-01	0.000
rs787640	1.07	1.02	1.12	3.72E-03	2.64E-01	0.226	1.06	0.99	1.12	7.60E-02	2.64E-01	0.226
rs11188412	0.94	0.87	1.02	1.41E-01	4.34E-02	0.516	0.93	0.81	1.07	3.25E-01	4.34E-02	0.516
rs4757420	0.91	0.86	0.96	8.30E-04	2.29E-01	0.261	0.93	0.86	1.00	6.02E-02	2.29E-01	0.261
rs7119797	1.00	0.99	1.00	6.88E-01	9.58E-03	0.671	0.97	0.91	1.03	3.13E-01	9.58E-03	0.671
rs17159801	1.08	1.02	1.15	9.94E-03	5.07E-02	0.547	1.02	0.91	1.16	6.90E-01	5.07E-02	0.547
rs2691829	1.07	1.02	1.11	2.76E-03	9.45E-04	0.758	1.00	0.90	1.12	9.75E-01	9.45E-04	0.758
rs6589848	0.95	0.90	1.00	4.12E-02	1.08E-02	0.664	0.99	0.89	1.12	9.23E-01	1.08E-02	0.664
rs7941193	0.99	0.95	1.04	8.37E-01	1.72E-02	0.589	1.02	0.93	1.12	7.01E-01	1.72E-02	0.589
rs7122854	1.05	0.99	1.10	9.84E-02	1.79E-01	0.343	1.03	0.95	1.11	5.27E-01	1.79E-01	0.343
rs7305794	1.02	0.97	1.06	4.72E-01	7.34E-02	0.503	0.99	0.91	1.07	7.29E-01	7.34E-02	0.503
rs10492367	1.14	1.09	1.20	1.48E-08	5.82E-02	0.486	1.13	1.04	1.22	3.07E-03	5.82E-02	0.486
rs6487684	1.06	1.01	1.11	1.29E-02	3.59E-01	0.092	1.07	1.01	1.13	2.28E-02	3.59E-01	0.092
rs1034762	1.05	0.99	1.11	1.10E-01	2.48E-01	0.237	1.04	0.96	1.12	3.32E-01	2.48E-01	0.237
rs1404866	0.98	0.94	1.03	5.36E-01	6.36E-02	0.521	0.97	0.88	1.06	5.07E-01	6.36E-02	0.521
rs835487	1.11	1.06	1.15	2.79E-07	1.97E-01	0.290	1.09	1.03	1.15	2.04E-03	1.97E-01	0.290
rs11064722	1.07	1.02	1.12	5.69E-03	4.54E-02	0.533	1.03	0.94	1.13	5.75E-01	4.54E-02	0.533
rs9520058	0.95	0.91	0.99	1.51E-02	2.20E-02	0.620	0.99	0.91	1.08	8.28E-01	2.20E-02	0.620
rs7155791	1.04	0.98	1.10	2.28E-01	5.73E-01	0.000	1.04	0.98	1.10	2.28E-01	5.73E-01	0.000
rs11634255	1.00	0.96	1.04	9.62E-01	9.18E-02	0.472	0.98	0.92	1.05	5.78E-01	9.18E-02	0.472
rs4646626	0.97	0.93	1.01	9.45E-02	6.06E-01	0.000	0.97	0.93	1.01	9.45E-02	6.06E-01	0.000
rs8032755	0.94	0.91	0.98	1.19E-03	2.10E-01	0.285	0.94	0.89	0.99	1.48E-02	2.10E-01	0.285
rs2908646	1.01	0.97	1.06	4.93E-01	1.68E-01	0.359	1.00	0.94	1.06	9.10E-01	1.68E-01	0.359
rs12596722	1.03	0.99	1.07	1.98E-01	9.95E-02	0.459	1.01	0.94	1.08	8.66E-01	9.95E-02	0.459
rs12923310	0.94	0.90	0.98	2.60E-03	5.76E-02	0.533	0.95	0.88	1.03	2.46E-01	5.76E-02	0.533
rs8044769	0.94	0.91	0.98	2.60E-03	1.06E-01	0.409	0.96	0.91	1.02	2.20E-01	1.06E-01	0.409
rs9937815	1.08	1.03	1.12	4.24E-04	1.67E-02	0.639	1.07	0.97	1.17	1.76E-01	1.67E-02	0.639
rs7404629	0.95	0.90	1.00	3.48E-02	1.08E-01	0.424	0.96	0.88	1.04	3.11E-01	1.08E-01	0.424
rs4078062	1.02	0.96	1.09	5.66E-01	1.23E-01	0.403	0.99	0.88	1.10	8.06E-01	1.23E-01	0.403
rs8080960	1.05	1.01	1.09	1.20E-02	4.81E-02	0.527	1.04	0.97	1.13	2.83E-01	4.81E-02	0.527
rs11665347	0.93	0.89	0.97	1.87E-03	7.45E-01	0.000	0.93	0.89	0.97	1.87E-03	7.45E-01	0.000
rs17089382	1.08	1.02	1.15	1.19E-02	2.91E-03	0.723	1.04	0.90	1.21	5.97E-01	2.91E-03	0.723
rs12974139	0.91	0.87	0.94	6.71E-07	2.87E-01	0.187	0.91	0.87	0.95	7.34E-05	2.87E-01	0.187
rs10426443	1.01	0.96	1.06	7.21E-01	5.12E-01	0.000	1.01	0.96	1.06	7.21E-01	5.12E-01	0.000
rs10426377	1.05	1.01	1.09	6.85E-03	3.46E-01	0.109	1.06	1.01	1.10	1.15E-02	3.46E-01	0.109
rs1360400	0.99	0.95	1.03	6.83E-01	7.74E-02	0.473	1.01	0.94	1.08	8.46E-01	7.74E-02	0.473
rs17785895	0.95	0.89	1.01	8.32E-02	4.68E-01	0.000	0.95	0.89	1.01	8.32E-02	4.68E-01	0.000
rs4925370	1.03	0.99	1.07	1.17E-01	5.24E-01	0.000	1.03	0.99	1.07	1.17E-01	5.24E-01	0.000
rs3747081	1.07	1.01	1.14	3.16E-02	3.47E-01	0.108	1.06	0.99	1.14	1.02E-01	3.47E-01	0.108
rs7287616	0.92	0.88	0.96	2.65E-04	4.21E-01	0.004	0.92	0.88	0.96	3.05E-04	4.21E-01	0.004
rs5762347	1.09	1.05	1.14	2.18E-05	3.42E-01	0.115	1.09	1.04	1.14	2.96E-04	3.42E-01	0.115

Meta insilico_denovo_fixed

OR	L95	U95	p	q_p	i2
0.98	0.92	1.05	6.31E-01	2.57E-01	0.236
1.05	1.00	1.10	5.68E-02	3.45E-01	0.110
0.95	0.86	1.05	3.31E-01	6.81E-01	0.000
1.02	0.96	1.08	5.72E-01	5.06E-01	0.000
1.06	0.95	1.19	2.82E-01	8.42E-01	0.000
1.03	0.96	1.11	3.58E-01	2.35E-01	0.266
0.98	0.90	1.06	6.33E-01	7.86E-02	0.523
0.97	0.91	1.02	2.42E-01	6.41E-01	0.000
0.95	0.89	1.01	7.91E-02	2.29E-01	0.275
0.97	0.90	1.04	4.01E-01	9.96E-01	0.000
1.14	1.05	1.25	2.09E-03	2.27E-01	0.292
1.06	0.99	1.12	8.60E-02	5.88E-01	0.000
1.04	0.95	1.13	4.47E-01	4.16E-02	0.567
1.04	0.99	1.09	1.40E-01	1.29E-02	0.629
1.04	0.99	1.09	1.53E-01	1.49E-02	0.620
0.95	0.90	1.01	1.00E-01	3.72E-01	0.061
1.01	0.95	1.07	8.24E-01	5.83E-01	0.000
1.04	0.92	1.16	5.43E-01	4.90E-01	0.000
0.99	0.94	1.04	5.78E-01	6.11E-01	0.000
0.93	0.89	0.98	7.67E-03	3.83E-01	0.041
1.01	0.93	1.11	7.54E-01	4.90E-01	0.000
0.93	0.83	1.04	1.84E-01	9.88E-01	0.000
1.04	0.95	1.14	3.93E-01	5.97E-01	0.000
1.03	0.97	1.09	3.69E-01	3.29E-01	0.133
0.96	0.91	1.03	2.45E-01	2.16E-01	0.278
1.04	0.98	1.10	2.00E-01	3.10E-03	0.720
0.99	0.94	1.05	8.02E-01	3.80E-01	0.057
0.98	0.88	1.08	6.23E-01	6.05E-01	0.000
1.04	0.98	1.10	1.98E-01	6.13E-01	0.000
0.99	0.93	1.06	7.93E-01	4.04E-01	0.004
0.99	0.92	1.08	8.74E-01	8.69E-01	0.000
1.08	1.02	1.14	5.22E-03	6.96E-01	0.000
1.17	1.08	1.26	9.58E-05	8.37E-01	0.000
0.98	0.92	1.04	5.09E-01	4.26E-01	0.000
1.03	0.97	1.09	3.19E-01	4.33E-01	0.000
0.91	0.84	0.99	2.86E-02	5.14E-01	0.000
1.00	0.94	1.08	9.04E-01	5.68E-01	0.000
1.01	0.95	1.08	7.23E-01	7.96E-01	0.000
1.04	0.87	1.25	6.77E-01	3.57E-01	0.073
0.98	0.92	1.04	5.04E-01	2.69E-01	0.219
1.03	0.95	1.11	4.64E-01	7.31E-01	0.000
1.02	0.95	1.09	6.14E-01	3.46E-01	0.108
0.98	0.92	1.06	6.67E-01	3.17E-01	0.152
0.94	0.88	1.01	7.41E-02	1.98E-02	0.627
1.01	0.95	1.09	6.81E-01	4.77E-01	0.000
0.92	0.85	0.99	2.35E-02	7.26E-01	0.000
0.97	0.92	1.03	3.42E-01	6.57E-01	0.000
0.97	0.89	1.05	3.90E-01	3.11E-01	0.159
1.00	0.93	1.07	9.12E-01	1.40E-01	0.422
1.01	0.91	1.12	8.70E-01	1.57E-01	0.373
0.98	0.92	1.04	4.48E-01	3.30E-01	0.131
0.97	0.91	1.03	2.80E-01	2.31E-01	0.272
1.08	0.97	1.19	1.45E-01	3.31E-01	0.131
0.99	0.93	1.05	6.98E-01	3.63E-01	0.084
1.00	0.94	1.05	9.29E-01	5.54E-01	0.000
0.99	0.92	1.05	7.04E-01	2.12E-01	0.297
0.93	0.87	0.98	1.21E-02	8.75E-01	0.000
1.06	1.01	1.12	1.55E-02	2.04E-01	0.294
0.95	0.90	1.01	1.19E-01	2.84E-01	0.191
1.02	0.97	1.08	4.31E-01	9.68E-01	0.000
1.01	0.95	1.08	7.17E-01	8.16E-01	0.000
1.00	0.90	1.11	9.75E-01	6.62E-02	0.492
0.96	0.89	1.04	3.28E-01	4.18E-01	0.000
1.00	0.99	1.01	9.98E-01	7.88E-01	0.000
0.98	0.90	1.07	6.86E-01	7.24E-01	0.000
1.00	0.94	1.06	9.28E-01	1.62E-02	0.671
1.01	0.94	1.09	7.43E-01	5.91E-02	0.559
0.98	0.92	1.05	5.64E-01	1.07E-02	0.639
0.98	0.91	1.06	5.90E-01	6.59E-01	0.000
0.96	0.90	1.02	1.80E-01	4.42E-01	0.000
1.11	1.04	1.18	1.18E-03	7.10E-02	0.484
1.07	1.00	1.15	4.89E-02	2.61E-01	0.231
1.01	0.93	1.10	7.79E-01	2.47E-01	0.249
0.96	0.89	1.04	3.49E-01	4.13E-02	0.598
1.08	1.02	1.14	4.39E-03	2.33E-01	0.256
1.00	0.93	1.06	8.81E-01	6.22E-01	0.000
1.01	0.95	1.08	6.60E-01	3.18E-01	0.152
1.01	0.93	1.10	8.44E-01	5.58E-01	0.000
0.94	0.89	1.00	4.52E-02	7.66E-01	0.000
0.94	0.88	0.99	3.10E-02	7.63E-01	0.000
0.93	0.89	0.98	4.35E-03	1.52E-01	0.381
0.97	0.92	1.03	3.91E-01	3.41E-01	0.114
1.00	0.94	1.07	9.07E-01	8.90E-02	0.504
1.00	0.94	1.06	9.49E-01	5.47E-01	0.000
0.98	0.94	1.03	5.09E-01	3.80E-01	0.062
1.03	0.97	1.09	3.75E-01	5.74E-02	0.563
1.01	0.94	1.09	7.54E-01	4.27E-01	0.000
0.97	0.88	1.07	5.75E-01	1.32E-01	0.410
1.00	0.94	1.06	9.92E-01	2.36E-01	0.264
0.94	0.88	1.01	7.56E-02	6.46E-01	0.000
0.96	0.89	1.05	3.76E-01	4.93E-01	0.000
0.92	0.87	0.97	2.13E-03	2.46E-01	0.251
0.99	0.92	1.07	8.63E-01	4.26E-01	0.000
1.03	0.99	1.08	1.58E-01	5.02E-01	0.000
0.99	0.94	1.05	8.62E-01	4.48E-02	0.560
0.97	0.89	1.06	4.51E-01	3.92E-01	0.038
1.06	1.00	1.11	3.32E-02	6.89E-01	0.000
1.02	0.93	1.11	6.74E-01	4.75E-01	0.000
0.97	0.91	1.04	3.84E-01	1.00E+00	0.000
1.08	1.02	1.14	1.03E-02	2.85E-01	0.196

Meta insilico_denovo_random

OR	L95	U95	p	q_p	i2
0.97	0.88	1.07	5.83E-01	2.57E-01	0.236
1.05	0.99	1.11	1.06E-01	3.45E-01	0.110
0.95	0.86	1.05	3.31E-01	6.81E-01	0.000
1.02	0.96	1.08	5.72E-01	5.06E-01	0.000
1.06	0.95	1.19	2.82E-01	8.42E-01	0.000
1.02	0.92	1.12	7.70E-01	2.35E-01	0.266
0.97	0.83	1.13	6.73E-01	7.86E-02	0.523
0.97	0.91	1.02	2.42E-01	6.41E-01	0.000
0.94	0.87	1.03	1.77E-01	2.29E-01	0.275
0.97	0.90	1.04	4.01E-01	9.96E-01	0.000
1.12	0.99	1.26	8.17E-02	2.27E-01	0.292
1.06	0.99	1.12	8.60E-02	5.88E-01	0.000
0.96	0.80	1.16	6.88E-01	4.16E-02	0.567
1.03	0.93	1.14	5.97E-01	1.29E-02	0.629
1.03	0.93	1.14	5.91E-01	1.49E-02	0.620
0.95	0.89	1.01	1.07E-01	3.72E-01	0.061
1.01	0.95	1.07	8.24E-01	5.83E-01	0.000
1.04	0.92	1.16	5.43E-01	4.90E-01	0.000
0.99	0.94	1.04	5.78E-01	6.11E-01	0.000
0.93	0.88	0.99	2.79E-02	3.83E-01	0.041
1.01	0.93	1.11	7.54E-01	4.90E-01	0.000
0.93	0.83	1.04	1.84E-01	9.88E-01	0.000
1.04	0.95	1.14	3.93E-01	5.97E-01	0.000
1.03	0.95	1.11	4.65E-01	3.29E-01	0.133
0.97	0.89	1.05	4.18E-01	2.16E-01	0.278
0.93	0.80	1.07	3.21E-01	3.10E-03	0.720
0.99	0.93	1.06	8.27E-01	3.80E-01	0.057
0.98	0.88	1.08	6.23E-01	6.05E-01	0.000
1.04	0.98	1.10	1.98E-01	6.13E-01	0.000
0.99	0.93	1.06	8.00E-01	4.04E-01	0.004
0.99	0.92	1.08	8.74E-01	8.69E-01	0.000
1.08	1.02	1.14	5.22E-03	6.96E-01	0.000
1.17	1.08	1.26	9.58E-05	8.37E-01	0.000
0.98	0.92	1.04	5.09E-01	4.26E-01	0.000
1.03	0.97	1.09	3.19E-01	4.33E-01	0.000
0.91	0.84	0.99	2.86E-02	5.14E-01	0.000
1.00	0.94	1.08	9.04E-01	5.68E-01	0.000
1.01	0.95	1.08	7.23E-01	7.96E-01	0.000
1.05	0.86	1.28	6.35E-01	3.57E-01	0.073
0.99	0.92	1.08	8.80E-01	2.69E-01	0.219
1.03	0.95	1.11	4.64E-01	7.31E-01	0.000
1.02	0.94	1.11	6.12E-01	3.46E-01	0.108
0.98	0.89	1.07	5.95E-01	3.17E-01	0.152
0.96	0.85	1.09	5.67E-01	1.98E-02	0.627
1.01	0.95	1.09	6.81E-01	4.77E-01	0.000
0.92	0.85	0.99	2.35E-02	7.26E-01	0.000
0.97	0.92	1.03	3.42E-01	6.57E-01	0.000
0.95	0.86	1.06	3.64E-01	3.11E-01	0.159
1.04	0.92	1.17	5.53E-01	1.40E-01	0.422
0.93	0.78	1.10	3.85E-01	1.57E-01	0.373
0.98	0.91	1.05	5.67E-01	3.30E-01	0.131
0.97	0.89	1.06	5.47E-01	2.31E-01	0.272
1.07	0.95	1.21	2.44E-01	3.31E-01	0.131
0.99	0.92	1.06	7.66E-01	3.63E-01	0.084
1.00	0.94	1.05	9.29E-01	5.54E-01	0.000
0.98	0.89	1.08	7.08E-01	2.12E-01	0.297
0.93	0.87	0.98	1.21E-02	8.75E-01	0.000
1.05	0.98	1.12	1.97E-01	2.04E-01	0.294
0.96	0.89	1.03	2.17E-01	2.84E-01	0.191
1.02	0.97	1.08	4.31E-01	9.68E-01	0.000
1.01	0.95	1.08	7.17E-01	8.16E-01	0.000
0.94	0.78	1.12	4.79E-01	6.62E-02	0.492
0.96	0.89	1.04	3.28E-01	4.18E-01	0.000
1.00	0.99	1.01	9.98E-01	7.88E-01	0.000
0.98	0.90	1.07	6.86E-01	7.24E-01	0.000
0.96	0.84	1.10	5.47E-01	1.62E-02	0.671
1.04	0.90	1.20	5.99E-01	5.91E-02	0.559
1.04	0.91	1.19	5.47E-01	1.07E-02	0.639
0.98	0.91	1.06	5.90E-01	6.59E-01	0.000
0.96	0.90	1.02	1.80E-01	4.42E-01	0.000
1.11	1.00	1.23	5.55E-02	7.10E-02	0.484
1.09	0.99	1.20	6.87E-02	2.61E-01	0.231
1.02	0.91	1.14	7.91E-01	2.47E-01	0.249
0.95	0.82	1.10	4.60E-01	4.13E-02	0.598
1.07	0.99	1.14	7.54E-02	2.33E-01	0.256
1.00	0.93	1.06	8.81E-01	6.22E-01	0.000
1.02	0.95	1.10	5.75E-01	3.18E-01	0.152
1.01	0.93	1.10	8.44E-01	5.58E-01	0.000
0.94	0.89	1.00	4.52E-02	7.66E-01	0.000
0.94	0.88	0.99	3.10E-02	7.63E-01	0.000
0.93	0.87	1.00	6.16E-02	1.52E-01	0.381
0.97	0.91	1.04	3.83E-01	3.41E-01	0.114
0.97	0.87	1.08	5.70E-01	8.90E-02	0.504
1.00	0.94	1.06	9.49E-01	5.47E-01	0.000
0.99	0.93	1.04	5.91E-01	3.80E-01	0.062
1.04	0.92	1.17	5.08E-01	5.74E-02	0.563
1.01	0.94	1.09	7.54E-01	4.27E-01	0.000
0.94	0.80	1.11	4.59E-01	1.32E-01	0.410
1.01	0.93	1.10	7.66E-01	2.36E-01	0.264
0.94	0.88	1.01	7.56E-02	6.46E-01	0.000
0.96	0.89	1.05	3.76E-01	4.93E-01	0.000
0.92	0.86	0.98	1.17E-02	2.46E-01	0.251
0.99	0.92	1.07	8.63E-01	4.26E-01	0.000
1.03	0.99	1.08	1.58E-01	5.02E-01	0.000
1.03	0.92	1.15	6.35E-01	4.48E-02	0.560
0.97	0.88	1.07	5.60E-01	3.92E-01	0.038
1.06	1.00	1.11	3.32E-02	6.89E-01	0.000
1.02	0.93	1.11	6.74E-01	4.75E-01	0.000
0.97	0.91	1.04	3.84E-01	1.00E+00	0.000
1.08	1.01	1.15	3.18E-02	2.85E-01	0.196

Meta THR arcOGEN_insilico_denovo_fixed

OR	L95	U95	p	q_p	i2
0.94	0.89	0.99	2.46E-02	6.61E-02	0.704
1.08	1.04	1.12	2.98E-04	4.52E-01	0.000
0.96	0.88	1.04	3.27E-01	6.92E-01	0.000
0.97	0.92	1.02	1.91E-01	3.31E-03	0.884
1.12	1.03	1.23	7.51E-03	2.59E-01	0.216
0.94	0.89	1.00	3.29E-02	8.79E-04	0.910
1.03	0.97	1.10	3.75E-01	9.29E-01	0.000
0.95	0.91	0.99	2.92E-02	3.50E-01	0.000
0.95	0.91	1.00	3.31E-02	5.19E-01	0.000
0.92	0.87	0.98	6.80E-03	3.29E-01	0.000
1.04	0.97	1.11	2.27E-01	1.09E-04	0.933
0.98	0.94	1.03	5.34E-01	1.23E-03	0.904
1.02	0.95	1.09	6.59E-01	1.37E-02	0.835
1.14	1.10	1.19	8.52E-10	1.49E-01	0.475
1.14	1.09	1.19	9.51E-10	1.50E-01	0.473
0.99	0.95	1.04	7.83E-01	5.78E-01	0.000
1.00	0.95	1.04	8.71E-01	1.13E-01	0.601
1.15	1.06	1.26	1.49E-03	3.30E-01	0.000
0.95	0.91	0.99	2.19E-02	7.00E-02	0.624
0.97	0.93	1.01	1.80E-01	9.61E-03	0.851
0.97	0.91	1.05	4.70E-01	8.38E-02	0.666
0.87	0.80	0.95	2.60E-03	2.29E-01	0.310
1.12	1.04	1.20	2.35E-03	4.50E-01	0.000
0.96	0.92	1.01	1.39E-01	6.78E-02	0.700
0.95	0.90	1.00	5.53E-02	9.96E-01	0.000
1.05	1.00	1.10	4.78E-02	5.30E-02	0.733
0.98	0.94	1.03	4.09E-01	9.21E-01	0.000
1.09	1.01	1.17	3.59E-02	3.38E-02	0.778
0.99	0.95	1.04	7.72E-01	5.46E-01	0.000
0.93	0.88	0.99	1.69E-02	5.32E-02	0.732
1.01	0.95	1.08	6.84E-01	6.76E-01	0.000
1.10	1.05	1.15	3.74E-05	4.14E-01	0.000
1.18	1.11	1.26	1.59E-07	3.08E-01	0.152
1.07	1.02	1.12	3.89E-03	4.97E-05	0.939
1.06	1.02	1.11	8.69E-03	6.05E-02	0.643
1.07	1.00	1.13	3.87E-02	2.51E-02	0.801
1.02	0.97	1.08	4.29E-01	7.07E-01	0.000
0.91	0.86	0.96	6.42E-04	2.88E-03	0.887
0.96	0.86	1.08	5.37E-01	1.00E+00	na
0.97	0.93	1.02	2.23E-01	3.90E-01	0.000
1.02	0.96	1.08	5.60E-01	9.11E-01	0.000
1.02	0.97	1.09	4.28E-01	6.95E-01	0.000
1.10	1.04	1.16	6.86E-04	1.97E-02	0.816
0.99	0.94	1.05	7.59E-01	4.32E-03	0.816
0.89	0.85	0.95	8.60E-05	2.88E-03	0.887
0.94	0.88	1.00	3.88E-02	1.59E-01	0.496
0.96	0.91	1.01	8.23E-02	5.34E-01	0.000
0.98	0.92	1.04	5.43E-01	5.41E-01	0.000
1.04	0.98	1.09	1.94E-01	6.21E-03	0.866
1.13	1.05	1.22	1.61E-03	8.23E-01	0.000
1.07	1.02	1.12	5.96E-03	8.41E-04	0.910
0.89	0.85	0.93	2.05E-06	2.21E-01	0.332
1.17	1.08	1.26	9.14E-05	1.74E-01	0.459
1.05	1.00	1.10	4.05E-02	5.09E-02	0.738
1.00	0.95	1.04	8.86E-01	6.84E-01	0.000
1.09	1.03	1.15	1.55E-03	5.44E-03	0.871
0.97	0.93	1.02	2.41E-01	2.66E-02	0.797
1.12	1.07	1.17	1.63E-07	8.63E-01	0.000
0.99	0.94	1.04	7.23E-01	5.25E-01	0.000
0.97	0.93	1.02	2.28E-01	2.54E-02	0.800
1.08	1.03	1.14	2.55E-03	6.80E-02	0.700
0.94	0.86	1.02	1.60E-01	7.49E-02	0.614
0.90	0.85	0.96	1.61E-03	4.81E-01	0.000
1.00	0.99	1.00	7.12E-01	4.87E-04	0.918
1.11	1.04	1.19	1.90E-03	3.95E-02	0.764
1.10	1.05	1.16	2.51E-05	1.27E-01	0.570
0.90	0.85	0.95	4.08E-04	4.67E-01	0.000
0.97	0.92	1.02	2.54E-01	7.90E-02	0.606
1.06	0.99	1.12	7.98E-02	2.36E-02	0.805
1.02	0.97	1.08	3.99E-01	3.23E-02	0.782
1.16	1.10	1.22	1.61E-08	7.99E-02	0.604
1.06	1.00	1.12	3.43E-02	6.57E-01	0.000
1.05	0.99	1.13	1.11E-01	2.52E-01	0.237
1.00	0.95	1.06	9.26E-01	9.88E-01	0.000
1.13	1.09	1.18	1.64E-08	1.58E-01	0.457
1.09	1.03	1.15	1.43E-03	1.31E-02	0.838
0.92	0.87	0.96	2.83E-04	1.97E-02	0.816
1.07	1.01	1.15	3.42E-02	6.54E-01	0.000
1.02	0.98	1.07	3.43E-01	3.35E-02	0.779
0.97	0.92	1.01	1.48E-01	1.24E-01	0.577
0.93	0.90	0.97	7.59E-04	6.66E-01	0.000
1.03	0.98	1.08	2.50E-01	3.77E-01	0.000
1.03	0.98	1.08	2.15E-01	8.79E-01	0.000
0.94	0.89	0.98	5.97E-03	4.27E-03	0.878
0.92	0.89	0.96	2.63E-04	2.13E-01	0.353
1.09	1.04	1.14	4.23E-04	4.06E-02	0.762
0.93	0.88	0.99	1.65E-02	1.66E-02	0.826
1.05	0.98	1.13	1.72E-01	8.41E-01	0.000
1.06	1.01	1.11	9.68E-03	1.55E-02	0.829
0.91	0.87	0.96	3.98E-04	8.28E-01	0.000
1.10	1.03	1.18	3.35E-03	1.78E-04	0.929
0.92	0.88	0.96	6.70E-05	3.67E-01	0.003
1.00	0.95	1.06	9.44E-01	4.27E-01	0.000
1.04	1.00	1.08	4.07E-02	6.70E-02	0.702
0.97	0.93	1.02	2.55E-01	4.50E-01	0.000
0.92	0.85	0.98	1.36E-02	8.63E-01	0.000
1.03	0.99	1.07	1.69E-01	2.53E-01	0.272
1.07	1.00	1.15	4.90E-02	1.78E-01	0.448
0.90	0.86	0.95	8.36E-05	2.43E-02	0.803
1.11	1.06	1.16	9.67E-06	7.18E-01	0.000

Meta THR_arcOGEN_insilico_denovo_random

OR	L95	U95	p	q_p	i2
0.95	0.85	1.05	2.95E-01	6.61E-02	0.704
1.08	1.04	1.12	2.98E-04	4.52E-01	0.000
0.96	0.88	1.04	3.27E-01	6.92E-01	0.000
0.98	0.85	1.14	8.34E-01	3.31E-03	0.884
1.12	1.01	1.24	3.22E-02	2.59E-01	0.216
0.97	0.80	1.18	7.55E-01	8.79E-04	0.910
1.03	0.97	1.10	3.75E-01	9.29E-01	0.000
0.95	0.91	0.99	2.92E-02	3.50E-01	0.000
0.95	0.91	1.00	3.31E-02	5.19E-01	0.000
0.92	0.87	0.98	6.80E-03	3.29E-01	0.000
1.08	0.82	1.41	5.89E-01	1.09E-04	0.933
1.01	0.85	1.19	9.41E-01	1.23E-03	0.904
1.03	0.86	1.24	7.37E-01	1.37E-02	0.835
1.13	1.06	1.21	1.03E-04	1.49E-01	0.475
1.13	1.06	1.21	9.84E-05	1.50E-01	0.473
0.99	0.95	1.04	7.83E-01	5.78E-01	0.000
1.00	0.93	1.08	9.50E-01	1.13E-01	0.601
1.15	1.06	1.26	1.49E-03	3.30E-01	0.000
0.96	0.89	1.03	2.61E-01	7.00E-02	0.624
0.99	0.87	1.12	8.37E-01	9.61E-03	0.851
0.98	0.87	1.12	8.12E-01	8.38E-02	0.666
0.88	0.79	0.98	1.68E-02	2.29E-01	0.310
1.12	1.04	1.20	2.35E-03	4.50E-01	0.000
0.97	0.89	1.06	5.44E-01	6.78E-02	0.700
0.95	0.90	1.00	5.53E-02	9.96E-01	0.000
1.06	0.96	1.16	2.31E-01	5.30E-02	0.733
0.98	0.94	1.03	4.09E-01	9.21E-01	0.000
1.06	0.89	1.26	4.89E-01	3.38E-02	0.778
0.99	0.95	1.04	7.72E-01	5.46E-01	0.000
0.93	0.83	1.04	1.85E-01	5.32E-02	0.732
1.01	0.95	1.08	6.84E-01	6.76E-01	0.000
1.10	1.05	1.15	3.74E-05	4.14E-01	0.000
1.18	1.10	1.27	2.66E-06	3.08E-01	0.152
1.04	0.85	1.27	6.86E-01	4.97E-05	0.939
1.04	0.96	1.13	3.05E-01	6.05E-02	0.643
1.04	0.90	1.21	5.68E-01	2.51E-02	0.801
1.02	0.97	1.08	4.29E-01	7.07E-01	0.000
0.93	0.79	1.09	3.65E-01	2.88E-03	0.887
0.96	0.86	1.08	5.37E-01	1.00E+00	na
0.97	0.93	1.02	2.23E-01	3.90E-01	0.000
1.02	0.96	1.08	5.60E-01	9.11E-01	0.000
1.02	0.97	1.09	4.28E-01	6.95E-01	0.000
1.08	0.94	1.24	2.63E-01	1.97E-02	0.816
0.95	0.83	1.09	4.94E-01	4.32E-03	0.816
0.91	0.77	1.09	3.03E-01	2.88E-03	0.887
0.93	0.86	1.02	1.20E-01	1.59E-01	0.496
0.96	0.91	1.01	8.23E-02	5.34E-01	0.000
0.98	0.92	1.04	5.43E-01	5.41E-01	0.000
1.02	0.87	1.18	8.30E-01	6.21E-03	0.866
1.13	1.05	1.22	1.61E-03	8.23E-01	0.000
1.05	0.89	1.23	5.85E-01	8.41E-04	0.910
0.89	0.84	0.95	2.50E-04	2.21E-01	0.332
1.16	1.04	1.29	7.78E-03	1.74E-01	0.459
1.04	0.95	1.14	3.95E-01	5.09E-02	0.738
1.00	0.95	1.04	8.86E-01	6.84E-01	0.000
1.07	0.92	1.24	3.74E-01	5.44E-03	0.871
0.96	0.86	1.07	4.58E-01	2.66E-02	0.797
1.12	1.07	1.17	1.63E-07	8.63E-01	0.000
0.99	0.94	1.04	7.23E-01	5.25E-01	0.000
0.98	0.89	1.09	7.68E-01	2.54E-02	0.800
1.07	0.97	1.18	1.74E-01	6.80E-02	0.700
0.95	0.82	1.10	4.68E-01	7.49E-02	0.614
0.90	0.85	0.96	1.61E-03	4.81E-01	0.000
0.95	0.86	1.05	3.56E-01	4.87E-04	0.918
1.10	0.96	1.26	1.84E-01	3.95E-02	0.764
1.10	1.02	1.18	1.37E-02	1.27E-01	0.570
0.90	0.85	0.95	4.08E-04	4.67E-01	0.000
0.95	0.87	1.04	2.93E-01	7.90E-02	0.606
1.03	0.89	1.19	6.62E-01	2.36E-02	0.805
1.01	0.90	1.13	9.06E-01	3.23E-02	0.782
1.16	1.06	1.26	9.95E-04	7.99E-02	0.604
1.06	1.00	1.12	3.43E-02	6.57E-01	0.000
1.05	0.97	1.13	2.09E-01	2.52E-01	0.237
1.00	0.95	1.06	9.26E-01	9.88E-01	0.000
1.12	1.06	1.20	2.21E-04	1.58E-01	0.457
1.08	0.95	1.23	2.53E-01	1.31E-02	0.838
0.93	0.83	1.04	1.97E-01	1.97E-02	0.816
1.07	1.01	1.15	3.42E-02	6.54E-01	0.000
1.01	0.92	1.12	7.99E-01	3.35E-02	0.779
0.96	0.89	1.03	2.80E-01	1.24E-01	0.577
0.93	0.90	0.97	7.59E-04	6.66E-01	0.000
1.03	0.98	1.08	2.50E-01	3.77E-01	0.000
1.03	0.98	1.08	2.15E-01	8.79E-01	0.000
0.95	0.83	1.09	4.83E-01	4.27E-03	0.878
0.93	0.88	0.98	1.03E-02	2.13E-01	0.353
1.08	0.97	1.19	1.42E-01	4.06E-02	0.762
0.95	0.82	1.10	5.12E-01	1.66E-02	0.826
1.05	0.98	1.13	1.72E-01	8.41E-01	0.000
1.05	0.93	1.18	4.20E-01	1.55E-02	0.829
0.91	0.87	0.96	3.98E-04	8.28E-01	0.000
1.08	0.84	1.39	5.31E-01	1.78E-04	0.929
0.92	0.88	0.96	6.94E-05	3.67E-01	0.003
1.00	0.95	1.06	9.44E-01	4.27E-01	0.000
1.05	0.98	1.13	1.98E-01	6.70E-02	0.702
0.97	0.93	1.02	2.55E-01	4.50E-01	0.000
0.92	0.85	0.98	1.36E-02	8.63E-01	0.000
1.03	0.98	1.09	2.34E-01	2.53E-01	0.272
1.07	0.97	1.17	1.96E-01	1.78E-01	0.448
0.91	0.81	1.03	1.23E-01	2.43E-02	0.803
1.11	1.06	1.16	9.67E-06	7.18E-01	0.000

Meta THR_insilico_denovo_fixed

OR	L95	U95	p	q_p	i2
1.00	0.92	1.09	9.82E-01	1.00E+00	na
1.05	0.99	1.11	1.09E-01	9.77E-01	0.000
0.94	0.81	1.08	3.66E-01	1.00E+00	na
1.07	0.98	1.16	1.28E-01	1.00E+00	na
1.04	0.88	1.22	6.77E-01	1.00E+00	na
1.08	0.98	1.18	1.42E-01	1.00E+00	na
1.03	0.93	1.13	6.30E-01	1.00E+00	0.000
0.98	0.91	1.06	5.69E-01	1.00E+00	na
0.93	0.87	1.01	7.25E-02	1.00E+00	na
0.96	0.87	1.06	4.22E-01	1.00E+00	na
1.24	1.11	1.38	1.44E-04	1.00E+00	na
1.10	1.01	1.19	2.65E-02	1.00E+00	na
1.14	1.01	1.27	2.91E-02	1.00E+00	na
1.09	1.03	1.16	5.38E-03	5.78E-01	0.000
1.09	1.02	1.16	6.56E-03	8.29E-01	0.000
0.98	0.90	1.05	5.40E-01	1.00E+00	na
1.05	0.97	1.13	2.45E-01	1.00E+00	na
1.09	0.94	1.26	2.38E-01	1.00E+00	na
1.00	0.94	1.06	9.14E-01	2.31E-01	0.303
0.93	0.88	0.98	9.59E-03	1.00E+00	na
1.06	0.94	1.19	3.54E-01	1.00E+00	na
0.94	0.81	1.08	3.59E-01	1.00E+00	na
1.08	0.96	1.21	1.81E-01	1.00E+00	na
1.02	0.95	1.11	5.86E-01	1.00E+00	na
0.95	0.88	1.02	1.86E-01	9.32E-01	0.000
1.11	1.03	1.20	6.30E-03	1.00E+00	na
0.98	0.91	1.06	6.77E-01	1.00E+00	na
0.97	0.85	1.10	6.20E-01	1.00E+00	na
1.01	0.94	1.09	7.58E-01	1.00E+00	na
0.98	0.91	1.06	5.93E-01	1.00E+00	na
1.00	0.89	1.11	9.28E-01	1.00E+00	na
1.07	1.00	1.14	5.00E-02	4.53E-01	0.000
1.16	1.06	1.27	1.90E-03	1.53E-01	0.511
0.94	0.87	1.02	1.22E-01	1.00E+00	na
1.00	0.93	1.07	9.86E-01	7.40E-01	0.000
0.96	0.86	1.07	4.96E-01	1.00E+00	na
1.01	0.92	1.10	8.63E-01	1.00E+00	na
1.01	0.93	1.10	8.20E-01	1.00E+00	na
0.97	0.89	1.07	5.63E-01	4.20E-01	0.000
0.94	0.87	1.02	1.59E-01	1.00E+00	na
1.01	0.92	1.12	8.22E-01	6.99E-01	0.000
0.99	0.91	1.09	8.92E-01	9.82E-01	0.000
1.00	0.91	1.10	9.34E-01	1.00E+00	na
0.94	0.86	1.02	1.10E-01	6.36E-03	0.866
1.00	0.91	1.10	1.00E+00	1.00E+00	na
0.89	0.81	0.98	1.72E-02	1.00E+00	na
0.97	0.90	1.04	3.70E-01	2.97E-01	0.082
1.01	0.91	1.12	9.10E-01	1.00E+00	na
0.94	0.86	1.03	1.59E-01	1.00E+00	na
1.12	0.98	1.28	9.41E-02	1.00E+00	na
0.96	0.89	1.04	3.17E-01	1.00E+00	na
0.93	0.86	1.01	7.38E-02	1.00E+00	na
1.09	0.95	1.24	2.10E-01	1.00E+00	na
0.99	0.92	1.07	7.91E-01	1.00E+00	na
1.01	0.94	1.08	8.23E-01	1.00E+00	na
0.99	0.91	1.08	8.00E-01	1.00E+00	na
0.91	0.84	0.98	1.32E-02	1.00E+00	na
1.11	1.04	1.18	1.54E-03	9.67E-01	0.000
0.96	0.90	1.04	3.14E-01	6.47E-01	0.000
1.04	0.97	1.12	2.87E-01	1.00E+00	na
1.01	0.93	1.10	7.70E-01	1.00E+00	na
1.01	0.89	1.15	8.46E-01	9.12E-02	0.649
0.93	0.84	1.04	2.16E-01	1.00E+00	na
1.00	0.99	1.01	1.00E+00	1.00E+00	na
1.02	0.92	1.13	7.10E-01	1.00E+00	na
1.05	0.97	1.14	2.18E-01	1.00E+00	na
0.93	0.84	1.02	1.27E-01	1.00E+00	na
0.93	0.86	1.00	6.37E-02	8.80E-02	0.656
0.95	0.86	1.06	3.84E-01	1.00E+00	na
0.95	0.87	1.03	2.10E-01	1.00E+00	na
1.12	1.04	1.21	3.47E-03	5.63E-02	0.726
1.04	0.95	1.14	3.60E-01	1.00E+00	na
1.00	0.89	1.12	9.59E-01	1.00E+00	na
1.00	0.90	1.12	9.71E-01	1.00E+00	na
1.11	1.04	1.19	9.32E-04	7.54E-02	0.684
1.01	0.93	1.09	8.46E-01	1.00E+00	na
0.99	0.91	1.07	7.23E-01	1.00E+00	na
1.05	0.95	1.17	3.40E-01	1.00E+00	na
0.96	0.89	1.03	2.81E-01	1.00E+00	na
0.92	0.85	0.99	3.61E-02	1.00E+00	na
0.92	0.87	0.97	3.75E-03	5.35E-01	0.000
1.00	0.93	1.08	9.80E-01	1.00E+00	na
1.03	0.95	1.11	5.25E-01	1.00E+00	na
1.02	0.95	1.11	5.52E-01	1.00E+00	na
0.95	0.90	1.02	1.43E-01	2.62E-01	0.204
1.02	0.94	1.10	6.03E-01	1.00E+00	na
1.03	0.93	1.14	5.53E-01	1.00E+00	na
1.04	0.91	1.19	5.48E-01	1.00E+00	na
0.99	0.91	1.06	7.16E-01	1.00E+00	na
0.92	0.84	1.00	5.80E-02	1.00E+00	na
0.95	0.86	1.05	3.43E-01	1.00E+00	na
0.94	0.88	1.00	5.72E-02	3.56E-01	0.000
0.97	0.88	1.07	5.53E-01	1.00E+00	na
1.01	0.97	1.06	5.57E-01	1.00E+00	na
0.95	0.88	1.03	1.98E-01	1.00E+00	na
0.91	0.81	1.02	9.77E-02	1.00E+00	na
1.06	1.00	1.13	7.09E-02	2.49E-01	0.248
1.01	0.90	1.13	9.20E-01	1.00E+00	na
0.97	0.89	1.05	4.70E-01	1.00E+00	na
1.08	1.01	1.16	1.74E-02	7.95E-01	0.000

Meta THR_insilico_denovo_random

OR	L95	U95	p	q_p	i2
1.00	0.92	1.09	9.82E-01	1.00E+00	na
1.05	0.99	1.11	1.09E-01	9.77E-01	0.000
0.94	0.81	1.08	3.66E-01	1.00E+00	na
1.07	0.98	1.16	1.28E-01	1.00E+00	na
1.04	0.88	1.22	6.77E-01	1.00E+00	na
1.08	0.98	1.18	1.42E-01	1.00E+00	na
1.03	0.93	1.13	6.30E-01	1.00E+00	0.000
0.98	0.91	1.06	5.69E-01	1.00E+00	na
0.93	0.87	1.01	7.25E-02	1.00E+00	na
0.96	0.87	1.06	4.22E-01	1.00E+00	na
1.24	1.11	1.38	1.44E-04	1.00E+00	na
1.10	1.01	1.19	2.65E-02	1.00E+00	na
1.14	1.01	1.27	2.91E-02	1.00E+00	na
1.09	1.03	1.16	5.38E-03	5.78E-01	0.000
1.09	1.02	1.16	6.56E-03	8.29E-01	0.000
0.98	0.90	1.05	5.40E-01	1.00E+00	na
1.05	0.97	1.13	2.45E-01	1.00E+00	na
1.09	0.94	1.26	2.38E-01	1.00E+00	na
0.99	0.92	1.07	8.52E-01	2.31E-01	0.303
0.93	0.88	0.98	9.59E-03	1.00E+00	na
1.06	0.94	1.19	3.54E-01	1.00E+00	na
0.94	0.81	1.08	3.59E-01	1.00E+00	na
1.08	0.96	1.21	1.81E-01	1.00E+00	na
1.02	0.95	1.11	5.86E-01	1.00E+00	na
0.95	0.88	1.02	1.86E-01	9.32E-01	0.000
1.11	1.03	1.20	6.30E-03	1.00E+00	na
0.98	0.91	1.06	6.77E-01	1.00E+00	na
0.97	0.85	1.10	6.20E-01	1.00E+00	na
1.01	0.94	1.09	7.58E-01	1.00E+00	na
0.98	0.91	1.06	5.93E-01	1.00E+00	na
1.00	0.89	1.11	9.28E-01	1.00E+00	na
1.07	1.00	1.14	5.00E-02	4.53E-01	0.000
1.17	1.02	1.35	2.45E-02	1.53E-01	0.511
0.94	0.87	1.02	1.22E-01	1.00E+00	na
1.00	0.93	1.07	9.86E-01	7.40E-01	0.000
0.96	0.86	1.07	4.96E-01	1.00E+00	na
1.01	0.92	1.10	8.63E-01	1.00E+00	na
1.01	0.93	1.10	8.20E-01	1.00E+00	na
0.99	0.90	1.09	7.72E-01	4.51E-01	0.000
0.94	0.87	1.02	1.59E-01	1.00E+00	na
1.01	0.92	1.12	8.22E-01	6.99E-01	0.000
0.99	0.91	1.09	8.92E-01	9.82E-01	0.000
1.00	0.91	1.10	9.34E-01	1.00E+00	na
0.90	0.71	1.14	3.96E-01	6.36E-03	0.866
1.00	0.91	1.10	1.00E+00	1.00E+00	na
0.89	0.81	0.98	1.72E-02	1.00E+00	na
0.97	0.90	1.04	4.12E-01	2.97E-01	0.082
1.01	0.91	1.12	9.10E-01	1.00E+00	na
0.94	0.86	1.03	1.59E-01	1.00E+00	na
1.12	0.98	1.28	9.41E-02	1.00E+00	na
0.96	0.89	1.04	3.17E-01	1.00E+00	na
0.93	0.86	1.01	7.38E-02	1.00E+00	na
1.09	0.95	1.24	2.10E-01	1.00E+00	na
0.99	0.92	1.07	7.91E-01	1.00E+00	na
1.01	0.94	1.08	8.23E-01	1.00E+00	na
0.99	0.91	1.08	8.00E-01	1.00E+00	na
0.91	0.84	0.98	1.32E-02	1.00E+00	na
1.11	1.04	1.18	1.54E-03	9.67E-01	0.000
0.96	0.90	1.04	3.14E-01	6.47E-01	0.000
1.04	0.97	1.12	2.87E-01	1.00E+00	na
1.01	0.93	1.10	7.70E-01	1.00E+00	na
0.99	0.79	1.24	9.09E-01	9.12E-02	0.649
0.93	0.84	1.04	2.16E-01	1.00E+00	na
1.00	0.99	1.01	1.00E+00	1.00E+00	na
1.02	0.92	1.13	7.10E-01	1.00E+00	na
1.05	0.97	1.14	2.18E-01	1.00E+00	na
0.93	0.84	1.02	1.27E-01	1.00E+00	na
0.91	0.79	1.05	2.11E-01	8.80E-02	0.656
0.95	0.86	1.06	3.84E-01	1.00E+00	na
0.95	0.87	1.03	2.10E-01	1.00E+00	na
1.14	0.98	1.33	9.23E-02	5.63E-02	0.726
1.04	0.95	1.14	3.60E-01	1.00E+00	na
1.00	0.89	1.12	9.59E-01	1.00E+00	na
1.00	0.90	1.12	9.71E-01	1.00E+00	na
1.10	0.97	1.24	1.25E-01	7.54E-02	0.684
1.01	0.93	1.09	8.46E-01	1.00E+00	na
0.99	0.91	1.07	7.23E-01	1.00E+00	na
1.05	0.95	1.17	3.40E-01	1.00E+00	na
0.96	0.89	1.03	2.81E-01	1.00E+00	na
0.92	0.85	0.99	3.61E-02	1.00E+00	na
0.92	0.87	0.97	3.75E-03	5.35E-01	0.000
1.00	0.93	1.08	9.80E-01	1.00E+00	na
1.03	0.95	1.11	5.25E-01	1.00E+00	na
1.02	0.95	1.11	5.52E-01	1.00E+00	na
0.96	0.89	1.03	2.22E-01	2.62E-01	0.204
1.02	0.94	1.10	6.03E-01	1.00E+00	na
1.03	0.93	1.14	5.53E-01	1.00E+00	na
1.04	0.91	1.19	5.48E-01	1.00E+00	na
0.99	0.91	1.06	7.16E-01	1.00E+00	na
0.92	0.84	1.00	5.80E-02	1.00E+00	na
0.95	0.86	1.05	3.43E-01	1.00E+00	na
0.94	0.88	1.00	5.72E-02	3.56E-01	0.000
0.97	0.88	1.07	5.53E-01	1.00E+00	na
1.01	0.97	1.06	5.57E-01	1.00E+00	na
0.95	0.88	1.03	1.98E-01	1.00E+00	na
0.91	0.81	1.02	9.77E-02	1.00E+00	na
1.06	0.98	1.14	1.51E-01	2.49E-01	0.248
1.01	0.90	1.13	9.20E-01	1.00E+00	na
0.97	0.89	1.05	4.70E-01	1.00E+00	na
1.08	1.01	1.16	1.74E-02	7.95E-01	0.000

Meta HIP+ arcOGEN_insilico_denovo_fixed

OR	L95	U95	p	q_p	i2
0.93	0.89	0.97	2.51E-03	8.30E-02	0.463
1.09	1.05	1.13	4.26E-06	1.90E-01	0.312
1.00	0.93	1.07	8.91E-01	6.03E-01	0.000
0.95	0.91	0.99	2.07E-02	4.89E-02	0.526
1.10	1.03	1.19	7.60E-03	8.51E-01	0.000
0.95	0.90	0.99	1.87E-02	7.49E-03	0.658
1.01	0.96	1.07	7.15E-01	9.68E-02	0.464
0.96	0.92	1.00	2.79E-02	7.38E-01	0.000
0.95	0.91	0.98	5.23E-03	3.29E-01	0.132
0.93	0.89	0.98	3.41E-03	8.51E-01	0.000
1.00	0.95	1.06	8.93E-01	5.27E-04	0.773
0.96	0.93	1.01	9.15E-02	5.46E-03	0.673
1.01	0.95	1.07	8.14E-01	5.74E-02	0.509
1.10	1.06	1.14	1.54E-07	3.11E-04	0.742
1.10	1.06	1.14	1.92E-07	3.34E-04	0.741
0.97	0.94	1.01	1.65E-01	3.92E-01	0.038
0.98	0.94	1.02	2.32E-01	4.55E-01	0.000
1.14	1.05	1.23	9.58E-04	1.55E-01	0.377
0.97	0.93	1.00	7.40E-02	5.83E-01	0.000
0.98	0.94	1.02	3.71E-01	9.44E-03	0.672
0.96	0.91	1.02	2.23E-01	3.41E-01	0.117
0.87	0.81	0.94	2.90E-04	7.47E-01	0.000
1.11	1.04	1.18	1.03E-03	2.78E-01	0.206
0.97	0.93	1.01	1.35E-01	5.50E-02	0.513
0.95	0.91	0.99	2.73E-02	2.75E-01	0.195
1.04	1.00	1.08	4.65E-02	6.54E-03	0.664
0.99	0.95	1.03	4.92E-01	4.95E-01	0.000
1.07	1.00	1.14	6.04E-02	1.51E-01	0.382
1.00	0.96	1.04	9.95E-01	3.43E-01	0.113
0.95	0.90	1.00	4.45E-02	1.62E-01	0.367
1.03	0.97	1.09	3.09E-01	7.92E-01	0.000
1.10	1.06	1.14	1.73E-06	6.23E-01	0.000
1.18	1.12	1.25	2.42E-09	9.40E-01	0.000
1.05	1.00	1.09	3.03E-02	4.63E-02	0.531
1.07	1.03	1.11	1.02E-03	1.33E-01	0.372
1.03	0.98	1.08	2.77E-01	4.89E-03	0.677
1.02	0.98	1.07	2.93E-01	6.16E-01	0.000
0.94	0.90	0.99	1.07E-02	9.11E-02	0.473
0.97	0.89	1.07	5.63E-01	4.20E-01	0.000
0.97	0.93	1.01	8.81E-02	3.43E-01	0.113
1.05	1.00	1.11	5.02E-02	8.30E-01	0.000
1.06	1.01	1.11	2.87E-02	4.24E-01	0.000
1.08	1.03	1.13	7.93E-04	7.27E-03	0.659
0.99	0.95	1.04	7.59E-01	3.38E-03	0.692
0.92	0.88	0.97	7.86E-04	7.93E-03	0.655
0.93	0.88	0.98	5.20E-03	7.98E-01	0.000
0.95	0.91	0.99	2.03E-02	7.03E-01	0.000
0.96	0.91	1.01	1.18E-01	4.21E-01	0.003
1.03	0.98	1.08	1.87E-01	1.23E-01	0.423
1.10	1.03	1.17	6.89E-03	6.24E-02	0.499
1.05	1.01	1.10	1.30E-02	1.19E-02	0.659
0.92	0.88	0.96	4.42E-05	7.34E-02	0.480
1.14	1.07	1.22	7.48E-05	2.12E-01	0.284
1.04	1.00	1.08	4.46E-02	9.89E-02	0.438
0.99	0.95	1.03	5.76E-01	6.72E-01	0.000
1.06	1.01	1.11	1.24E-02	1.96E-02	0.602
0.97	0.93	1.00	8.32E-02	5.30E-01	0.000
1.10	1.06	1.14	5.47E-07	1.23E-01	0.385
0.96	0.92	1.01	8.93E-02	3.58E-01	0.093
0.98	0.94	1.01	2.18E-01	3.83E-01	0.052
1.06	1.01	1.10	1.24E-02	5.01E-01	0.000
0.94	0.88	1.01	1.14E-01	3.59E-02	0.534
0.91	0.86	0.96	5.07E-04	2.43E-01	0.244
1.00	0.99	1.00	6.45E-01	3.96E-03	0.711
1.10	1.04	1.17	1.13E-03	1.70E-02	0.637
1.05	1.01	1.10	1.04E-02	3.49E-03	0.716
0.95	0.91	1.00	4.94E-02	1.64E-02	0.640
1.00	0.95	1.04	8.75E-01	2.43E-02	0.565
1.05	1.00	1.11	5.12E-02	1.45E-01	0.391
1.02	0.98	1.07	2.92E-01	5.06E-02	0.547
1.13	1.08	1.18	9.64E-08	1.50E-01	0.349
1.05	1.00	1.10	3.14E-02	3.21E-01	0.143
1.05	1.00	1.11	6.71E-02	2.29E-01	0.262
1.02	0.97	1.07	4.57E-01	2.19E-02	0.620
1.09	1.05	1.14	2.70E-06	2.86E-01	0.182
1.07	1.03	1.12	2.15E-03	3.38E-02	0.561
0.94	0.91	0.98	5.93E-03	1.65E-02	0.639
1.04	0.99	1.10	1.38E-01	5.27E-01	0.000
1.00	0.96	1.04	9.69E-01	9.08E-02	0.474
0.97	0.94	1.01	1.91E-01	4.75E-01	0.000
0.94	0.90	0.97	1.87E-04	1.85E-01	0.319
1.01	0.97	1.05	5.36E-01	1.97E-01	0.318
1.03	0.99	1.07	1.78E-01	1.02E-01	0.456
0.94	0.90	0.98	4.26E-03	1.09E-01	0.445
0.94	0.91	0.98	1.14E-03	1.10E-01	0.403
1.08	1.04	1.13	9.22E-05	1.25E-02	0.656
0.95	0.90	0.99	2.71E-02	1.19E-01	0.408
1.04	0.97	1.10	2.64E-01	8.33E-02	0.463
1.05	1.01	1.09	1.00E-02	5.33E-02	0.517
0.93	0.89	0.97	1.37E-03	7.50E-01	0.000
1.07	1.01	1.13	2.04E-02	8.99E-03	0.674
0.91	0.88	0.95	1.47E-06	2.50E-01	0.234
1.01	0.96	1.06	6.85E-01	5.10E-01	0.000
1.05	1.02	1.09	4.35E-03	3.25E-01	0.140
0.98	0.95	1.02	4.24E-01	7.18E-02	0.482
0.94	0.89	1.00	5.19E-02	4.49E-01	0.000
1.02	0.99	1.06	1.82E-01	4.35E-01	0.000
1.06	1.00	1.12	6.52E-02	4.51E-01	0.000
0.92	0.88	0.96	2.24E-04	5.16E-01	0.000
1.09	1.05	1.13	1.20E-05	3.50E-01	0.104

Meta HIP+ arcOGEN_insilico_denovo_random

OR	L95	U95	p	q_p	i2
0.94	0.86	1.03	1.76E-01	8.30E-02	0.463
1.08	1.02	1.13	4.83E-03	1.90E-01	0.312
1.00	0.93	1.07	8.91E-01	6.03E-01	0.000
0.96	0.89	1.05	3.77E-01	4.89E-02	0.526
1.10	1.03	1.19	7.60E-03	8.51E-01	0.000
0.97	0.87	1.08	5.70E-01	7.49E-03	0.658
0.99	0.90	1.09	8.61E-01	9.68E-02	0.464
0.96	0.92	1.00	2.79E-02	7.38E-01	0.000
0.95	0.90	0.99	2.51E-02	3.29E-01	0.132
0.93	0.89	0.98	3.41E-03	8.51E-01	0.000
1.04	0.89	1.23	5.92E-01	5.27E-04	0.773
1.00	0.91	1.11	9.59E-01	5.46E-03	0.673
0.98	0.87	1.11	7.81E-01	5.74E-02	0.509
1.06	0.96	1.16	2.42E-01	3.11E-04	0.742
1.06	0.96	1.16	2.43E-01	3.34E-04	0.741
0.97	0.93	1.01	1.67E-01	3.92E-01	0.038
0.98	0.94	1.02	2.32E-01	4.55E-01	0.000
1.09	0.96	1.23	1.92E-01	1.55E-01	0.377
0.97	0.93	1.00	7.40E-02	5.83E-01	0.000
0.99	0.89	1.10	9.00E-01	9.44E-03	0.672
0.97	0.90	1.04	3.86E-01	3.41E-01	0.117
0.87	0.81	0.94	2.90E-04	7.47E-01	0.000
1.09	1.00	1.18	4.12E-02	2.78E-01	0.206
0.99	0.92	1.08	8.73E-01	5.50E-02	0.513
0.96	0.90	1.01	1.21E-01	2.75E-01	0.195
0.98	0.89	1.08	7.03E-01	6.54E-03	0.664
0.99	0.95	1.03	4.92E-01	4.95E-01	0.000
1.04	0.93	1.15	5.06E-01	1.51E-01	0.382
1.01	0.96	1.05	7.82E-01	3.43E-01	0.113
0.96	0.88	1.04	2.92E-01	1.62E-01	0.367
1.03	0.97	1.09	3.09E-01	7.92E-01	0.000
1.10	1.06	1.14	1.73E-06	6.23E-01	0.000
1.18	1.12	1.25	2.42E-09	9.40E-01	0.000
1.02	0.94	1.11	5.80E-01	4.63E-02	0.531
1.06	1.00	1.13	6.48E-02	1.33E-01	0.372
0.94	0.83	1.07	3.74E-01	4.89E-03	0.677
1.02	0.98	1.07	2.93E-01	6.16E-01	0.000
0.97	0.90	1.06	5.16E-01	9.11E-02	0.473
1.05	0.86	1.28	6.35E-01	3.57E-01	0.073
0.97	0.92	1.02	2.18E-01	3.43E-01	0.113
1.05	1.00	1.11	5.02E-02	8.30E-01	0.000
1.06	1.01	1.11	2.87E-02	4.24E-01	0.000
1.01	0.90	1.13	8.53E-01	7.27E-03	0.659
0.98	0.88	1.09	7.04E-01	3.38E-03	0.692
0.95	0.85	1.07	4.02E-01	7.93E-03	0.655
0.93	0.88	0.98	5.20E-03	7.98E-01	0.000
0.95	0.91	0.99	2.03E-02	7.03E-01	0.000
0.96	0.91	1.01	1.20E-01	4.21E-01	0.003
1.04	0.96	1.12	3.69E-01	1.23E-01	0.423
1.00	0.88	1.15	9.45E-01	6.24E-02	0.499
1.02	0.93	1.12	7.19E-01	1.19E-02	0.659
0.94	0.88	1.02	1.35E-01	7.34E-02	0.480
1.12	1.02	1.24	2.25E-02	2.12E-01	0.284
1.02	0.95	1.10	5.14E-01	9.89E-02	0.438
0.99	0.95	1.03	5.76E-01	6.72E-01	0.000
1.02	0.92	1.12	7.23E-01	1.96E-02	0.602
0.97	0.93	1.00	8.32E-02	5.30E-01	0.000
1.08	1.02	1.14	1.04E-02	1.23E-01	0.385
0.96	0.92	1.01	1.18E-01	3.58E-01	0.093
0.98	0.94	1.02	3.10E-01	3.83E-01	0.052
1.06	1.01	1.10	1.24E-02	5.01E-01	0.000
0.93	0.81	1.07	2.84E-01	3.59E-02	0.534
0.93	0.86	1.00	5.02E-02	2.43E-01	0.244
0.97	0.90	1.03	3.16E-01	3.96E-03	0.711
1.02	0.89	1.17	7.28E-01	1.70E-02	0.637
1.00	0.90	1.10	9.78E-01	3.49E-03	0.716
1.00	0.89	1.11	9.50E-01	1.64E-02	0.640
1.02	0.93	1.11	6.94E-01	2.43E-02	0.565
1.03	0.95	1.11	5.34E-01	1.45E-01	0.391
0.99	0.91	1.07	7.38E-01	5.06E-02	0.547
1.12	1.04	1.19	1.33E-03	1.50E-01	0.349
1.06	1.00	1.12	5.06E-02	3.21E-01	0.143
1.04	0.96	1.13	3.12E-01	2.29E-01	0.262
0.98	0.88	1.09	7.27E-01	2.19E-02	0.620
1.09	1.04	1.14	6.90E-04	2.86E-01	0.182
1.03	0.93	1.13	5.89E-01	3.38E-02	0.561
0.99	0.90	1.08	8.28E-01	1.65E-02	0.639
1.04	0.99	1.10	1.38E-01	5.27E-01	0.000
0.98	0.92	1.05	5.69E-01	9.08E-02	0.474
0.97	0.94	1.01	1.91E-01	4.75E-01	0.000
0.93	0.89	0.98	7.40E-03	1.85E-01	0.319
1.00	0.94	1.06	9.04E-01	1.97E-01	0.318
1.01	0.94	1.08	8.57E-01	1.02E-01	0.456
0.96	0.89	1.03	2.24E-01	1.09E-01	0.445
0.96	0.91	1.02	1.84E-01	1.10E-01	0.403
1.07	0.97	1.17	1.72E-01	1.25E-02	0.656
0.96	0.88	1.04	3.19E-01	1.19E-01	0.408
0.99	0.88	1.11	8.74E-01	8.33E-02	0.463
1.04	0.97	1.12	2.87E-01	5.33E-02	0.517
0.93	0.89	0.97	1.37E-03	7.50E-01	0.000
1.03	0.90	1.19	6.25E-01	8.99E-03	0.674
0.92	0.87	0.96	3.76E-04	2.50E-01	0.234
1.01	0.96	1.06	6.85E-01	5.10E-01	0.000
1.06	1.01	1.10	1.01E-02	3.25E-01	0.140
1.00	0.93	1.08	9.37E-01	7.18E-02	0.482
0.94	0.89	1.00	5.19E-02	4.49E-01	0.000
1.02	0.99	1.06	1.82E-01	4.35E-01	0.000
1.06	1.00	1.12	6.52E-02	4.51E-01	0.000
0.92	0.88	0.96	2.24E-04	5.16E-01	0.000
1.09	1.04	1.14	1.57E-04	3.50E-01	0.104

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OR	L95	U95	p	q_p	i2
0.98	0.92	1.05	6.31E-01	2.57E-01	0.236
1.06	1.01	1.11	2.72E-02	3.09E-01	0.162
0.95	0.86	1.05	3.31E-01	6.81E-01	0.000
1.02	0.96	1.08	5.72E-01	5.06E-01	0.000
1.06	0.95	1.19	2.82E-01	8.42E-01	0.000
1.03	0.96	1.11	3.58E-01	2.35E-01	0.266
0.98	0.90	1.06	6.33E-01	7.86E-02	0.523
0.97	0.91	1.02	2.42E-01	6.41E-01	0.000
0.95	0.89	1.01	7.91E-02	2.29E-01	0.275
0.97	0.90	1.04	4.01E-01	9.96E-01	0.000
1.14	1.05	1.25	2.09E-03	2.27E-01	0.292
1.06	0.99	1.12	8.60E-02	5.88E-01	0.000
1.04	0.95	1.13	4.47E-01	4.16E-02	0.567
1.04	0.99	1.09	1.35E-01	1.30E-02	0.628
1.04	0.99	1.09	1.50E-01	1.54E-02	0.618
0.95	0.90	1.01	1.00E-01	3.72E-01	0.061
1.01	0.95	1.07	8.24E-01	5.83E-01	0.000
1.04	0.92	1.16	5.43E-01	4.90E-01	0.000
0.99	0.94	1.04	6.42E-01	6.43E-01	0.000
0.93	0.89	0.98	7.67E-03	3.83E-01	0.041
1.01	0.93	1.11	7.54E-01	4.90E-01	0.000
0.93	0.83	1.04	1.84E-01	9.88E-01	0.000
1.04	0.95	1.14	3.93E-01	5.97E-01	0.000
1.03	0.97	1.09	3.69E-01	3.29E-01	0.133
0.97	0.91	1.03	2.74E-01	2.24E-01	0.269
1.04	0.98	1.10	2.00E-01	3.10E-03	0.720
0.99	0.94	1.05	8.02E-01	3.80E-01	0.057
0.98	0.88	1.08	6.23E-01	6.05E-01	0.000
1.04	0.98	1.10	1.98E-01	6.13E-01	0.000
0.99	0.93	1.06	7.93E-01	4.04E-01	0.004
0.99	0.92	1.08	8.74E-01	8.69E-01	0.000
1.08	1.02	1.14	6.63E-03	6.46E-01	0.000
1.16	1.07	1.25	1.64E-04	9.36E-01	0.000
0.98	0.92	1.04	5.09E-01	4.26E-01	0.000
1.02	0.97	1.08	4.19E-01	3.78E-01	0.065
0.91	0.84	0.99	2.86E-02	5.14E-01	0.000
1.00	0.94	1.08	9.04E-01	5.68E-01	0.000
1.01	0.95	1.08	7.23E-01	7.96E-01	0.000
0.98	0.92	1.04	5.04E-01	2.69E-01	0.219
1.04	0.96	1.12	3.43E-01	7.84E-01	0.000
1.04	0.97	1.11	3.27E-01	3.69E-01	0.074
0.98	0.92	1.06	6.67E-01	3.17E-01	0.152
0.94	0.88	1.00	5.52E-02	1.78E-02	0.635
1.01	0.95	1.09	6.81E-01	4.77E-01	0.000
0.92	0.85	0.99	2.35E-02	7.26E-01	0.000
0.97	0.92	1.03	2.85E-01	7.00E-01	0.000
0.97	0.89	1.05	3.90E-01	3.11E-01	0.159
1.00	0.93	1.07	9.12E-01	1.40E-01	0.422
1.01	0.91	1.12	8.70E-01	1.57E-01	0.373
0.98	0.92	1.04	4.48E-01	3.30E-01	0.131
0.97	0.91	1.03	2.80E-01	2.31E-01	0.272
1.08	0.97	1.19	1.45E-01	3.31E-01	0.131
0.99	0.93	1.05	6.98E-01	3.63E-01	0.084
1.00	0.94	1.05	9.29E-01	5.54E-01	0.000
0.99	0.92	1.05	7.04E-01	2.12E-01	0.297
0.93	0.87	0.98	1.21E-02	8.75E-01	0.000
1.08	1.02	1.13	3.60E-03	1.14E-01	0.416
0.95	0.90	1.01	9.33E-02	2.95E-01	0.177
1.02	0.97	1.08	4.31E-01	9.68E-01	0.000
1.01	0.95	1.08	7.17E-01	8.16E-01	0.000
0.98	0.89	1.09	7.59E-01	3.35E-02	0.561
0.96	0.89	1.04	3.28E-01	4.18E-01	0.000
1.00	0.99	1.01	9.98E-01	7.88E-01	0.000
0.98	0.90	1.07	6.86E-01	7.24E-01	0.000
1.00	0.94	1.06	9.28E-01	1.62E-02	0.671
1.01	0.94	1.09	7.43E-01	5.91E-02	0.559
0.98	0.92	1.05	5.81E-01	1.55E-02	0.618
0.98	0.91	1.06	5.90E-01	6.59E-01	0.000
0.96	0.90	1.02	1.80E-01	4.42E-01	0.000
1.09	1.03	1.16	3.78E-03	1.84E-01	0.320
1.07	1.00	1.15	4.89E-02	2.61E-01	0.231
1.01	0.93	1.10	7.79E-01	2.47E-01	0.249
0.96	0.89	1.04	3.49E-01	4.13E-02	0.598
1.08	1.02	1.14	3.98E-03	2.34E-01	0.255
1.00	0.93	1.06	8.81E-01	6.22E-01	0.000
1.01	0.95	1.08	6.60E-01	3.18E-01	0.152
1.01	0.93	1.10	8.44E-01	5.58E-01	0.000
0.94	0.89	1.00	4.52E-02	7.66E-01	0.000
0.94	0.88	0.99	3.10E-02	7.63E-01	0.000
0.93	0.89	0.97	2.26E-03	1.24E-01	0.422
0.97	0.92	1.03	3.91E-01	3.41E-01	0.114
1.00	0.94	1.07	9.07E-01	8.90E-02	0.504
1.00	0.94	1.06	9.49E-01	5.47E-01	0.000
0.98	0.93	1.03	4.54E-01	3.84E-01	0.057
1.03	0.97	1.09	3.75E-01	5.74E-02	0.563
1.01	0.94	1.09	7.54E-01	4.27E-01	0.000
0.97	0.88	1.07	5.75E-01	1.32E-01	0.410
1.00	0.94	1.06	9.92E-01	2.36E-01	0.264
0.94	0.88	1.01	7.56E-02	6.46E-01	0.000
0.96	0.89	1.05	3.76E-01	4.93E-01	0.000
0.93	0.88	0.98	6.02E-03	2.33E-01	0.268
0.99	0.92	1.07	8.63E-01	4.26E-01	0.000
1.03	0.99	1.08	1.58E-01	5.02E-01	0.000
0.99	0.94	1.05	8.62E-01	4.48E-02	0.560
0.97	0.89	1.06	4.51E-01	3.92E-01	0.038
1.05	1.00	1.10	5.32E-02	5.60E-01	0.000
1.02	0.93	1.11	6.74E-01	4.75E-01	0.000
0.97	0.91	1.04	3.84E-01	1.00E+00	0.000
1.08	1.02	1.14	6.19E-03	2.68E-01	0.221

Meta HIP+ insilico_denovo_random

OR	L95	U95	p	q_p	i2
0.97	0.88	1.07	5.83E-01	2.57E-01	0.236
1.05	0.99	1.12	7.69E-02	3.09E-01	0.162
0.95	0.86	1.05	3.31E-01	6.81E-01	0.000
1.02	0.96	1.08	5.72E-01	5.06E-01	0.000
1.06	0.95	1.19	2.82E-01	8.42E-01	0.000
1.02	0.92	1.12	7.70E-01	2.35E-01	0.266
0.97	0.83	1.13	6.73E-01	7.86E-02	0.523
0.97	0.91	1.02	2.42E-01	6.41E-01	0.000
0.94	0.87	1.03	1.77E-01	2.29E-01	0.275
0.97	0.90	1.04	4.01E-01	9.96E-01	0.000
1.12	0.99	1.26	8.17E-02	2.27E-01	0.292
1.06	0.99	1.12	8.60E-02	5.88E-01	0.000
0.96	0.80	1.16	6.88E-01	4.16E-02	0.567
1.03	0.93	1.14	5.97E-01	1.30E-02	0.628
1.03	0.93	1.14	5.97E-01	1.54E-02	0.618
0.95	0.89	1.01	1.07E-01	3.72E-01	0.061
1.01	0.95	1.07	8.24E-01	5.83E-01	0.000
1.04	0.92	1.16	5.43E-01	4.90E-01	0.000
0.99	0.94	1.04	6.42E-01	6.43E-01	0.000
0.93	0.88	0.99	2.79E-02	3.83E-01	0.041
1.01	0.93	1.11	7.54E-01	4.90E-01	0.000
0.93	0.83	1.04	1.84E-01	9.88E-01	0.000
1.04	0.95	1.14	3.93E-01	5.97E-01	0.000
1.03	0.95	1.11	4.65E-01	3.29E-01	0.133
0.97	0.89	1.05	4.47E-01	2.24E-01	0.269
0.93	0.80	1.07	3.21E-01	3.10E-03	0.720
0.99	0.93	1.06	8.27E-01	3.80E-01	0.057
0.98	0.88	1.08	6.23E-01	6.05E-01	0.000
1.04	0.98	1.10	1.98E-01	6.13E-01	0.000
0.99	0.93	1.06	8.00E-01	4.04E-01	0.004
0.99	0.92	1.08	8.74E-01	8.69E-01	0.000
1.08	1.02	1.14	6.63E-03	6.46E-01	0.000
1.16	1.07	1.25	1.64E-04	9.36E-01	0.000
0.98	0.92	1.04	5.09E-01	4.26E-01	0.000
1.03	0.97	1.09	4.00E-01	3.78E-01	0.065
0.91	0.84	0.99	2.86E-02	5.14E-01	0.000
1.00	0.94	1.08	9.04E-01	5.68E-01	0.000
1.01	0.95	1.08	7.23E-01	7.96E-01	0.000
0.99	0.92	1.08	8.80E-01	2.69E-01	0.219
1.04	0.96	1.12	3.43E-01	7.84E-01	0.000
1.04	0.96	1.12	3.42E-01	3.69E-01	0.074
0.98	0.89	1.07	5.95E-01	3.17E-01	0.152
0.96	0.85	1.09	5.65E-01	1.78E-02	0.635
1.01	0.95	1.09	6.81E-01	4.77E-01	0.000
0.92	0.85	0.99	2.35E-02	7.26E-01	0.000
0.97	0.92	1.03	2.85E-01	7.00E-01	0.000
0.95	0.86	1.06	3.64E-01	3.11E-01	0.159
1.04	0.92	1.17	5.53E-01	1.40E-01	0.422
0.93	0.78	1.10	3.85E-01	1.57E-01	0.373
0.98	0.91	1.05	5.67E-01	3.30E-01	0.131
0.97	0.89	1.06	5.47E-01	2.31E-01	0.272
1.07	0.95	1.21	2.44E-01	3.31E-01	0.131
0.99	0.92	1.06	7.66E-01	3.63E-01	0.084
1.00	0.94	1.05	9.29E-01	5.54E-01	0.000
0.98	0.89	1.08	7.08E-01	2.12E-01	0.297
0.93	0.87	0.98	1.21E-02	8.75E-01	0.000
1.05	0.97	1.14	2.09E-01	1.14E-01	0.416
0.95	0.89	1.02	1.73E-01	2.95E-01	0.177
1.02	0.97	1.08	4.31E-01	9.68E-01	0.000
1.01	0.95	1.08	7.17E-01	8.16E-01	0.000
0.91	0.75	1.11	3.57E-01	3.35E-02	0.561
0.96	0.89	1.04	3.28E-01	4.18E-01	0.000
1.00	0.99	1.01	9.98E-01	7.88E-01	0.000
0.98	0.90	1.07	6.86E-01	7.24E-01	0.000
0.96	0.84	1.10	5.47E-01	1.62E-02	0.671
1.04	0.90	1.20	5.99E-01	5.91E-02	0.559
1.04	0.92	1.18	5.31E-01	1.55E-02	0.618
0.98	0.91	1.06	5.90E-01	6.59E-01	0.000
0.96	0.90	1.02	1.80E-01	4.42E-01	0.000
1.09	1.00	1.19	4.08E-02	1.84E-01	0.320
1.09	0.99	1.20	6.87E-02	2.61E-01	0.231
1.02	0.91	1.14	7.91E-01	2.47E-01	0.249
0.95	0.82	1.10	4.60E-01	4.13E-02	0.598
1.07	1.00	1.14	6.77E-02	2.34E-01	0.255
1.00	0.93	1.06	8.81E-01	6.22E-01	0.000
1.02	0.95	1.10	5.75E-01	3.18E-01	0.152
1.01	0.93	1.10	8.44E-01	5.58E-01	0.000
0.94	0.89	1.00	4.52E-02	7.66E-01	0.000
0.94	0.88	0.99	3.10E-02	7.63E-01	0.000
0.93	0.86	1.00	5.41E-02	1.24E-01	0.422
0.97	0.91	1.04	3.83E-01	3.41E-01	0.114
0.97	0.87	1.08	5.70E-01	8.90E-02	0.504
1.00	0.94	1.06	9.49E-01	5.47E-01	0.000
0.98	0.93	1.04	5.27E-01	3.84E-01	0.057
1.04	0.92	1.17	5.08E-01	5.74E-02	0.563
1.01	0.94	1.09	7.54E-01	4.27E-01	0.000
0.94	0.80	1.11	4.59E-01	1.32E-01	0.410
1.01	0.93	1.10	7.66E-01	2.36E-01	0.264
0.94	0.88	1.01	7.56E-02	6.46E-01	0.000
0.96	0.89	1.05	3.76E-01	4.93E-01	0.000
0.93	0.87	0.99	2.58E-02	2.33E-01	0.268
0.99	0.92	1.07	8.63E-01	4.26E-01	0.000
1.03	0.99	1.08	1.58E-01	5.02E-01	0.000
1.03	0.92	1.15	6.35E-01	4.48E-02	0.560
0.97	0.88	1.07	5.60E-01	3.92E-01	0.038
1.05	1.00	1.10	5.32E-02	5.60E-01	0.000
1.02	0.93	1.11	6.74E-01	4.75E-01	0.000
0.97	0.91	1.04	3.84E-01	1.00E+00	0.000
1.08	1.01	1.16	2.54E-02	2.68E-01	0.221

Female Hip

Marker	Chr	Position	EA	NEA	arcOGEN OR	arcOGEN L95	arcOGEN U95	arcOGEN p
rs1854169	1	102046864	C	T	0.89	0.81	0.98	1.52E-02
rs1417066	1	217740451	G	A	1.11	1.03	1.20	4.70E-03
rs1629896	1	223752551	G	A	0.98	0.85	1.13	7.77E-01
rs987179	1	242876559	A	G	0.85	0.78	0.92	6.68E-05
rs1024816	2	37454712	G	A	1.20	1.05	1.36	7.88E-03
rs3791679	2	55950396	G	A	0.95	0.87	1.04	2.92E-01
rs10779958	2	74609286	C	A	1.03	0.93	1.15	5.61E-01
rs6754683	2	108522707	A	G	1.03	0.95	1.11	4.90E-01
rs4622728	2	125523313	T	C	0.94	0.87	1.01	1.03E-01
rs1432237	2	137524977	G	A	1.00	0.92	1.10	9.42E-01
rs12618428	2	151441225	G	A	0.90	0.81	1.01	6.50E-02
rs6716254	2	175250720	C	T	0.87	0.80	0.94	4.04E-04
rs6793234	3	8801396	G	A	0.92	0.82	1.04	1.85E-01
rs11177	3	52696345	A	G	1.21	1.12	1.30	8.86E-07
rs6976	3	52703844	T	C	1.21	1.12	1.30	6.38E-07
rs10510816	3	59630570	A	C	0.98	0.91	1.05	5.35E-01
rs1355782	3	132970356	C	T	0.98	0.91	1.06	6.59E-01
rs16851066	3	142325511	A	G	1.30	1.13	1.51	3.35E-04
rs9867979	3	166345704	A	G	1.16	0.98	1.36	8.59E-02
rs12107036	3	191082854	A	G	0.89	0.82	0.95	1.17E-03
rs16837352	4	5555175	T	G	1.14	1.03	1.26	1.37E-02
rs17578878	4	37577120	T	C	0.95	0.85	1.07	4.09E-01
rs11725992	4	48082608	C	T	0.85	0.74	0.98	2.91E-02
rs6842739	4	60172105	A	G	0.93	0.84	1.02	1.37E-01
rs2626053	4	96474111	A	G	0.92	0.82	1.03	1.66E-01
rs2636726	4	106528673	A	G	1.20	1.09	1.31	9.44E-05
rs12500935	4	114760230	A	G	1.25	1.11	1.41	2.53E-04
rs1566347	4	186969560	T	C	0.89	0.82	0.96	3.52E-03
rs4957048	5	636442	A	G	0.94	0.86	1.03	1.56E-01
rs1083523	5	66314669	C	T	1.19	1.08	1.30	2.29E-04
rs2610424	5	71292415	C	T	1.06	0.98	1.14	1.28E-01
rs457008	5	81110411	T	C	0.97	0.90	1.04	3.76E-01
rs10036746	5	91780688	A	G	1.02	0.90	1.16	7.83E-01
rs11135394	5	93212891	C	T	0.81	0.73	0.91	1.50E-04
rs12515798	5	134333096	T	C	1.07	0.95	1.21	2.69E-01
rs10515550	5	144792886	T	C	0.97	0.90	1.05	4.73E-01
rs13167773	5	148567182	T	C	0.89	0.80	1.00	4.57E-02
rs10051783	5	167755230	T	C	1.06	0.95	1.18	2.82E-01
rs10948172	6	44885669	G	A	1.11	1.02	1.20	1.41E-02
rs9350591	6	76298247	T	C	1.16	1.04	1.30	6.84E-03
rs569731	6	76414313	A	G	0.73	0.64	0.84	4.98E-06
rs10943837	6	82727239	T	C	1.15	1.06	1.24	3.66E-04
rs2493984	6	95440213	G	A	1.20	1.11	1.29	6.32E-06
rs7755798	6	109743847	T	C	1.08	0.98	1.19	1.42E-01
rs2027532	6	112741889	C	T	0.99	0.91	1.08	8.42E-01
rs6931833	6	114078284	A	G	0.88	0.80	0.96	2.89E-03
rs17627827	7	16731521	G	A	1.20	1.04	1.39	1.04E-02
rs6461679	7	22976588	T	C	0.94	0.87	1.02	1.17E-01
rs7785659	7	32427540	T	C	0.97	0.88	1.08	6.15E-01
rs7805536	7	32540095	C	T	0.99	0.89	1.09	7.74E-01
rs1859572	7	76870933	T	C	1.19	1.09	1.30	8.82E-05
rs6466265	7	77998184	G	A	1.07	0.98	1.18	1.29E-01
rs1488517	7	95446689	C	T	1.14	1.03	1.26	1.15E-02
rs2966417	7	109944782	A	G	0.81	0.74	0.88	2.73E-06
rs4841020	8	8638760	G	A	0.88	0.80	0.97	9.50E-03
rs1876836	8	8719166	T	C	0.86	0.79	0.94	5.11E-04
rs4841067	8	8784655	G	A	0.88	0.79	0.98	1.60E-02
rs609792	8	9857300	T	C	1.19	1.09	1.30	7.41E-05
rs6997710	8	10247861	G	A	1.22	1.08	1.38	1.50E-03
rs1421259	8	15607043	A	G	1.13	1.05	1.22	1.40E-03
rs2979715	8	80724814	C	T	1.33	1.19	1.48	7.44E-07
rs2467753	8	80759808	G	T	1.33	1.18	1.50	5.06E-06
rs2289496	8	98357340	C	A	0.87	0.81	0.94	3.56E-04
rs16870112	8	104191422	A	C	1.27	1.12	1.43	1.78E-04
rs10956114	8	124156008	G	A	0.80	0.73	0.88	3.09E-06
rs4072286	8	142805713	G	T	1.22	1.13	1.31	3.08E-07
rs2146423	9	4647040	G	A	0.93	0.87	1.00	6.49E-02
rs945442	9	18917768	C	A	1.13	1.04	1.23	4.31E-03
rs3780296	9	79327254	C	T	1.02	0.95	1.10	6.07E-01
rs4072357	9	89688030	T	C	0.83	0.76	0.91	7.71E-05
rs4836732	9	118306516	C	T	1.19	1.11	1.28	2.72E-06
rs719535	9	118516091	T	C	1.27	1.14	1.41	9.02E-06
rs2900277	9	131434091	G	T	0.99	0.91	1.08	8.40E-01
rs2474714	10	33535989	G	A	0.82	0.75	0.90	2.14E-05
rs9299558	10	56603927	A	C	0.96	0.89	1.03	2.19E-01
rs1250552	10	80728033	G	A	1.17	1.07	1.28	6.19E-04
rs787640	10	95114663	G	A	1.22	1.13	1.33	9.23E-07
rs11188412	10	97391986	A	G	0.97	0.84	1.12	6.74E-01
rs4757420	11	12371653	T	G	0.81	0.73	0.89	3.48E-05
rs7119797	11	61922811	T	C	0.85	0.79	0.92	1.86E-05
rs17159801	11	82496946	A	G	1.17	1.05	1.31	6.37E-03
rs2691829	11	90240224	T	C	1.15	1.07	1.24	2.38E-04
rs6589848	11	120229228	T	C	0.81	0.74	0.89	1.62E-05
rs7941193	11	125876053	A	G	1.06	0.96	1.16	2.74E-01
rs7122854	11	132673733	G	A	0.97	0.88	1.07	5.17E-01
rs7305794	12	24860894	T	C	1.15	1.06	1.25	6.94E-04
rs10492367	12	27906237	T	G	1.15	1.05	1.26	2.38E-03
rs6487684	12	28534480	T	C	1.07	0.98	1.17	1.24E-01
rs1034762	12	46675910	A	C	0.97	0.88	1.08	6.10E-01
rs11107957	12	76956186	C	A	1.26	1.13	1.39	1.33E-05
rs1404866	12	83888610	T	G	1.04	0.95	1.13	3.72E-01
rs11107219	12	92770487	G	A	1.32	1.10	1.58	2.74E-03
rs835487	12	103584897	G	A	1.16	1.07	1.25	1.46E-04
rs11064722	12	118157566	T	C	1.19	1.08	1.30	2.16E-04
rs4544137	13	67072419	T	C	0.79	0.66	0.95	1.25E-02
rs7994526	13	67263831	G	A	0.76	0.64	0.91	2.66E-03
rs2036717	13	75645031	C	T	1.43	1.22	1.67	7.04E-06
rs9520058	13	105855421	G	T	0.90	0.84	0.98	9.86E-03
rs8015303	14	34316223	G	A	1.22	1.01	1.47	3.74E-02
rs1627411	14	42241078	T	C	0.74	0.66	0.84	8.83E-07
rs7155791	14	49487980	T	C	0.97	0.87	1.08	5.92E-01
rs1998094	14	51653209	C	T	1.40	1.21	1.61	4.18E-06
rs10144429	14	77722272	A	G	1.11	1.00	1.22	4.63E-02
rs11634255	15	30874764	G	A	0.98	0.91	1.06	6.10E-01
rs4646626	15	56043419	C	T	0.99	0.92	1.06	6.92E-01
rs8032755	15	91403060	A	G	0.97	0.90	1.05	4.25E-01
rs2908646	16	4971845	A	G	1.02	0.94	1.09	7.00E-01
rs12596722	16	9324789	C	A	1.07	0.99	1.16	9.53E-02
rs12923310	16	9695438	T	G	0.95	0.88	1.02	1.68E-01
rs8044769	16	52396636	T	C	0.87	0.81	0.94	2.02E-04
rs9937815	16	54888333	G	A	1.14	1.05	1.23	1.23E-03
rs7404629	16	64970230	A	G	0.87	0.79	0.95	2.27E-03
rs16947129	16	76709247	C	T	1.33	1.18	1.50	2.39E-06
rs4078062	17	16919559	A	G	1.07	0.95	1.20	2.68E-01
rs8080960	17	67298538	G	A	1.14	1.06	1.22	6.47E-04
rs11665347	18	10468812	A	G	0.93	0.86	1.01	7.75E-02
rs12454396	18	62299667	T	C	0.84	0.76	0.92	3.08E-04
rs17089382	18	70369681	T	C	1.13	1.01	1.27	3.47E-02
rs12974139	19	2135005	C	T	0.95	0.89	1.03	2.12E-01
rs1610093	19	4505774	C	T	0.66	0.56	0.79	2.13E-06
rs10426443	19	8017982	G	A	1.01	0.92	1.11	9.08E-01
rs10426377	19	53784046	A	C	1.14	1.05	1.24	2.34E-03
rs1360400	20	22909890	A	G	0.96	0.89	1.04	3.30E-01
rs172981	20	40543116	C	T	0.81	0.69	0.95	1.01E-02
rs17785895	20	47866466	G	A	0.91	0.81	1.02	9.05E-02
rs4925370	20	60300986	G	A	1.08	1.00	1.16	4.27E-02
rs3747081	22	19682120	A	G	1.25	1.12	1.40	1.11E-04
rs7287616	22	22259852	T	C	0.89	0.82	0.97	1.06E-02
rs5762347	22	26489672	A	G	1.04	0.96	1.12	3.28E-01

Meta insilico_denovo_fixed						Meta insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.04	0.95	1.14	3.77E-01	7.29E-01	0.000	1.04	0.95	1.14	3.77E-01	7.29E-01	0.000
1.00	0.93	1.07	9.35E-01	7.36E-01	0.000	1.00	0.93	1.07	9.35E-01	7.36E-01	0.000
0.94	0.82	1.08	3.95E-01	9.57E-01	0.000	0.94	0.82	1.08	3.95E-01	9.57E-01	0.000
1.02	0.94	1.10	6.66E-01	4.17E-01	0.000	1.02	0.94	1.10	6.66E-01	4.17E-01	0.000
1.06	0.92	1.23	4.09E-01	8.86E-01	0.000	1.06	0.92	1.23	4.09E-01	8.86E-01	0.000
1.07	0.97	1.17	1.76E-01	4.04E-01	0.019	1.06	0.97	1.17	1.99E-01	4.04E-01	0.019
0.93	0.83	1.03	1.70E-01	7.77E-01	0.000	0.93	0.83	1.03	1.70E-01	7.77E-01	0.000
0.98	0.91	1.06	6.03E-01	8.34E-01	0.000	0.98	0.91	1.06	6.03E-01	8.34E-01	0.000
0.95	0.88	1.03	2.09E-01	3.50E-01	0.102	0.95	0.87	1.04	2.63E-01	3.50E-01	0.102
0.95	0.86	1.04	2.55E-01	8.89E-01	0.000	0.95	0.86	1.04	2.55E-01	8.89E-01	0.000
1.10	0.99	1.23	8.37E-02	4.25E-01	0.000	1.10	0.99	1.23	8.37E-02	4.25E-01	0.000
1.01	0.93	1.09	8.40E-01	9.95E-01	0.000	1.01	0.93	1.09	8.40E-01	9.95E-01	0.000
0.94	0.84	1.06	3.27E-01	2.30E-01	0.272	0.91	0.77	1.08	2.93E-01	2.30E-01	0.272
1.01	0.94	1.08	8.18E-01	2.71E-02	0.578	0.97	0.85	1.10	6.27E-01	2.71E-02	0.578
1.00	0.93	1.08	9.08E-01	4.18E-02	0.541	0.97	0.85	1.10	6.16E-01	4.18E-02	0.541
0.92	0.85	0.99	3.61E-02	1.70E-01	0.377	0.90	0.80	1.01	7.62E-02	1.70E-01	0.377
1.09	1.01	1.18	3.17E-02	5.42E-01	0.000	1.09	1.01	1.18	3.17E-02	5.42E-01	0.000
1.06	0.91	1.23	4.50E-01	5.38E-01	0.000	1.06	0.91	1.23	4.50E-01	5.38E-01	0.000
0.91	0.79	1.05	2.02E-01	3.56E-01	0.093	0.89	0.76	1.05	1.73E-01	3.56E-01	0.093
0.96	0.89	1.02	1.98E-01	3.68E-01	0.079	0.95	0.88	1.03	2.20E-01	3.68E-01	0.079
0.94	0.88	1.01	6.97E-02	2.38E-01	0.276	0.94	0.83	1.07	3.49E-01	2.38E-01	0.276
1.03	0.92	1.16	5.94E-01	6.19E-01	0.000	1.03	0.92	1.16	5.94E-01	6.19E-01	0.000
1.00	0.87	1.15	9.99E-01	9.21E-01	0.000	1.00	0.87	1.15	9.99E-01	9.21E-01	0.000
1.01	0.93	1.10	8.39E-01	9.20E-01	0.000	1.01	0.93	1.10	8.39E-01	9.20E-01	0.000
0.97	0.88	1.07	5.03E-01	4.97E-01	0.000	0.97	0.88	1.07	5.03E-01	4.97E-01	0.000
0.96	0.89	1.04	2.93E-01	3.18E-01	0.150	0.96	0.87	1.05	3.45E-01	3.18E-01	0.150
1.03	0.91	1.16	6.55E-01	7.91E-01	0.000	1.03	0.91	1.16	6.55E-01	7.91E-01	0.000
1.07	0.99	1.16	1.07E-01	7.75E-01	0.000	1.07	0.99	1.16	1.07E-01	7.75E-01	0.000
0.97	0.89	1.06	4.81E-01	5.37E-01	0.000	0.97	0.89	1.06	4.81E-01	5.37E-01	0.000
0.95	0.88	1.02	1.41E-01	1.55E-01	0.400	0.95	0.85	1.07	4.05E-01	1.55E-01	0.400
1.01	0.94	1.09	8.07E-01	4.08E-02	0.569	0.93	0.80	1.08	3.40E-01	4.08E-02	0.569
0.96	0.89	1.03	2.42E-01	6.03E-01	0.000	0.96	0.89	1.03	2.42E-01	6.03E-01	0.000
1.00	0.88	1.14	9.55E-01	8.32E-01	0.000	1.00	0.88	1.14	9.55E-01	8.32E-01	0.000
1.03	0.94	1.13	5.36E-01	9.38E-02	0.496	1.07	0.91	1.26	3.92E-01	9.38E-02	0.496
1.03	0.94	1.13	5.18E-01	2.70E-01	0.217	1.03	0.91	1.17	6.02E-01	2.70E-01	0.217
1.05	0.97	1.14	1.99E-01	3.51E-02	0.613	1.12	0.96	1.31	1.40E-01	3.51E-02	0.613
1.00	0.92	1.09	9.73E-01	5.63E-01	0.000	1.00	0.92	1.09	9.73E-01	5.63E-01	0.000
0.99	0.89	1.10	7.89E-01	8.69E-01	0.000	0.99	0.89	1.10	7.89E-01	8.69E-01	0.000
1.04	0.97	1.13	2.91E-01	2.99E-01	0.176	1.04	0.95	1.14	4.14E-01	2.99E-01	0.176
1.11	1.00	1.24	4.39E-02	9.68E-01	0.000	1.11	1.00	1.24	4.39E-02	9.68E-01	0.000
0.91	0.82	1.01	6.88E-02	3.11E-01	0.159	0.90	0.79	1.03	1.21E-01	3.11E-01	0.159
0.97	0.89	1.05	4.28E-01	4.53E-02	0.559	0.97	0.83	1.13	6.83E-01	4.53E-02	0.559
1.06	0.98	1.14	1.25E-01	5.70E-02	0.509	1.10	0.97	1.25	1.31E-01	5.70E-02	0.509
0.89	0.80	0.99	2.61E-02	7.21E-01	0.000	0.89	0.80	0.99	2.61E-02	7.21E-01	0.000
0.98	0.90	1.07	6.76E-01	7.41E-01	0.000	0.98	0.90	1.07	6.76E-01	7.41E-01	0.000
0.98	0.90	1.07	6.16E-01	5.57E-01	0.000	0.98	0.90	1.07	6.16E-01	5.57E-01	0.000
1.10	0.88	1.38	3.85E-01	3.50E-01	0.085	1.12	0.88	1.43	3.53E-01	3.50E-01	0.085
0.99	0.91	1.07	7.18E-01	3.50E-01	0.102	0.99	0.91	1.09	9.05E-01	3.50E-01	0.102
1.03	0.92	1.14	6.15E-01	3.80E-02	0.550	1.03	0.86	1.23	7.69E-01	3.80E-02	0.550
0.99	0.90	1.09	8.43E-01	4.08E-02	0.569	0.97	0.82	1.15	7.36E-01	4.08E-02	0.569
1.03	0.94	1.12	5.77E-01	1.37E-01	0.403	0.98	0.85	1.14	8.08E-01	1.37E-01	0.403
1.01	0.93	1.11	7.83E-01	8.60E-01	0.000	1.01	0.93	1.11	7.83E-01	8.60E-01	0.000
1.06	0.98	1.15	1.76E-01	4.31E-01	0.000	1.06	0.98	1.15	1.76E-01	4.31E-01	0.000
1.04	0.95	1.14	3.80E-01	5.12E-01	0.000	1.04	0.95	1.14	3.80E-01	5.12E-01	0.000
0.88	0.79	0.97	1.01E-02	6.86E-01	0.000	0.88	0.79	0.97	1.01E-02	6.86E-01	0.000
0.93	0.85	1.00	6.24E-02	8.38E-01	0.000	0.93	0.85	1.00	6.24E-02	8.38E-01	0.000
0.90	0.81	1.00	4.54E-02	3.48E-01	0.106	0.89	0.78	1.01	6.21E-02	3.48E-01	0.106
1.01	0.92	1.11	8.32E-01	1.98E-01	0.335	1.05	0.92	1.20	4.93E-01	1.98E-01	0.335
1.04	0.91	1.19	5.92E-01	1.67E-02	0.638	0.84	0.62	1.13	2.48E-01	1.67E-02	0.638
0.97	0.90	1.05	4.86E-01	8.66E-01	0.000	0.97	0.90	1.05	4.86E-01	8.66E-01	0.000
0.96	0.88	1.05	3.79E-01	5.49E-01	0.000	0.96	0.88	1.05	3.79E-01	5.49E-01	0.000
0.94	0.85	1.03	1.86E-01	6.33E-01	0.000	0.94	0.85	1.03	1.86E-01	6.33E-01	0.000
0.96	0.89	1.04	3.24E-01	4.79E-01	0.000	0.96	0.89	1.04	3.24E-01	4.79E-01	0.000
1.02	0.89	1.16	7.97E-01	2.55E-01	0.239	1.02	0.85	1.22	8.40E-01	2.55E-01	0.239
1.02	0.94	1.11	5.88E-01	2.21E-01	0.301	1.04	0.93	1.16	5.35E-01	2.21E-01	0.301
0.98	0.91	1.06	6.15E-01	5.32E-01	0.000	0.98	0.91	1.06	6.15E-01	5.32E-01	0.000
1.01	0.94	1.08	8.60E-01	6.18E-01	0.000	1.01	0.94	1.08	8.60E-01	6.18E-01	0.000
1.02	0.94	1.11	6.25E-01	1.24E-01	0.422	1.01	0.87	1.16	9.06E-01	1.24E-01	0.422
0.93	0.87	1.01	8.04E-02	6.03E-01	0.000	0.93	0.87	1.01	8.04E-02	6.03E-01	0.000
1.06	0.98	1.14	1.32E-01	6.56E-01	0.000	1.06	0.98	1.14	1.32E-01	6.56E-01	0.000
1.13	1.05	1.21	7.06E-04	4.36E-02	0.537	1.08	0.96	1.22	1.97E-01	4.36E-02	0.537
1.09	1.00	1.18	3.88E-02	6.14E-01	0.000	1.09	1.00	1.18	3.88E-02	6.14E-01	0.000
0.95	0.87	1.03	1.84E-01	1.95E-01	0.305	0.94	0.84	1.06	3.13E-01	1.95E-01	0.305
0.98	0.91	1.06	6.15E-01	7.89E-01	0.000	0.98	0.91	1.06	6.15E-01	7.89E-01	0.000
0.97	0.90	1.05	4.74E-01	9.40E-01	0.000	0.97	0.90	1.05	4.74E-01	9.40E-01	0.000
1.03	0.95	1.11	4.61E-01	7.32E-01	0.000	1.03	0.95	1.11	4.61E-01	7.32E-01	0.000
0.99	0.91	1.08	8.50E-01	8.66E-01	0.000	0.99	0.91	1.08	8.50E-01	8.66E-01	0.000
0.97	0.84	1.12	6.50E-01	2.86E-01	0.189	0.94	0.78	1.13	4.87E-01	2.86E-01	0.189
0.99	0.89	1.09	7.89E-01	2.72E-02	0.604	1.04	0.85	1.28	6.77E-01	2.72E-02	0.604
1.01	0.94	1.09	8.12E-01	5.96E-01	0.000	1.01	0.94	1.09	8.12E-01	5.96E-01	0.000
0.96	0.85	1.07	4.50E-01	3.40E-01	0.115	0.94	0.82	1.08	3.76E-01	3.40E-01	0.115
1.01	0.93	1.09	7.81E-01	7.20E-02	0.535	1.00	0.86	1.15	9.60E-01	7.20E-02	0.535
0.98	0.89	1.08	6.96E-01	4.03E-01	0.006	0.98	0.89	1.08	7.05E-01	4.03E-01	0.006
0.98	0.89	1.07	6.30E-01	3.46E-01	0.109	0.99	0.89	1.10	8.54E-01	3.46E-01	0.109
0.94	0.85	1.04	2.63E-01	5.96E-01	0.000	0.94	0.85	1.04	2.63E-01	5.96E-01	0.000
1.00	0.91	1.09	9.49E-01	4.84E-01	0.000	1.00	0.91	1.09	9.49E-01	4.84E-01	0.000
1.10	1.01	1.20	2.58E-02	1.92E-01	0.309	1.11	0.98	1.25	1.02E-01	1.92E-01	0.309
1.10	1.01	1.20	3.51E-02	2.42E-01	0.257	1.13	1.00	1.27	4.86E-02	2.42E-01	0.257
0.98	0.88	1.09	6.72E-01	4.18E-01	0.000	0.98	0.88	1.09	6.72E-01	4.18E-01	0.000
0.96	0.89	1.04	3.38E-01	1.91E-01	0.346	0.94	0.83	1.06	2.99E-01	1.91E-01	0.346
1.03	0.93	1.13	6.09E-01	1.77E-01	0.367	1.01	0.88	1.16	8.81E-01	1.77E-01	0.367
1.00	0.88	1.15	9.62E-01	8.65E-01	0.000	1.00	0.88	1.15	9.62E-01	8.65E-01	0.000
1.07	0.99	1.15	8.81E-02	3.03E-01	0.166	1.06	0.97	1.16	1.89E-01	3.03E-01	0.166
0.96	0.88	1.05	3.93E-01	3.73E-01	0.069	0.96	0.87	1.06	4.08E-01	3.73E-01	0.069
0.94	0.79	1.11	4.65E-01	6.49E-01	0.000	0.94	0.79	1.11	4.65E-01	6.49E-01	0.000
1.06	0.91	1.24	4.47E-01	1.03E-01	0.454	0.95	0.72	1.27	7.48E-01	1.03E-01	0.454
0.88	0.77	1.01	6.68E-02	4.12E-01	0.006	0.88	0.77	1.01	6.78E-02	4.12E-01	0.006
0.98	0.90	1.06	5.86E-01	6.56E-01	0.000	0.98	0.90	1.06	5.86E-01	6.56E-01	0.000
0.91	0.79	1.06	2.24E-01	4.94E-01	0.000	0.91	0.79	1.06	2.24E-01	4.94E-01	0.000
0.97	0.88	1.08	5.66E-01	3.63E-01	0.083	0.96	0.86	1.08	5.26E-01	3.63E-01	0.083
1.01	0.90	1.13	8.77E-01	3.26E-01	0.139	0.99	0.87	1.13	8.98E-01	3.26E-01	0.139
1.02	0.91	1.15	6.81E-01	5.97E-03	0.694	0.92	0.71	1.20	5.53E-01	5.97E-03	0.694
1.01	0.93	1.09	8.40E-01	6.56E-01	0.000	1.01	0.93	1.09	8.40E-01	6.56E-01	0.000
0.96	0.89	1.03	2.39E-01	9.80E-01	0.000	0.96	0.89	1.03	2.39E-01	9.80E-01	0.000
0.91	0.84	0.98	1.33E-02	9.40E-01	0.000	0.91	0.84	0.98	1.33E-02	9.40E-01	0.000
0.99	0.92	1.05	6.50E-01	5.49E-01	0.000	0.99	0.92	1.05	6.50E-01	5.49E-01	0.000
0.99	0.91	1.07	7.22E-01	4.24E-01	0.000	0.99	0.91	1.07	7.22E-01	4.24E-01	0.000
0.97	0.89	1.05	3.98E-01	1.92E-01	0.344	0.96	0.85	1.07	4.41E-01	1.92E-01	0.344
0.97	0.89	1.05	4.10E-01	2.98E-01	0.183	0.97	0.88	1.07	5.20E-01	2.98E-01	0.183
0.95	0.88	1.02	1.39E-01	1.42E-03	0.722	0.99	0.85	1.17	9.49E-01	1.42E-03	0.722
1.03	0.95	1.12	4.57E-01	9.16E-02	0.500	1.04	0.90	1.19	6.04E-01	9.16E-02	0.500
1.02	0.92	1.12	7.61E-01	7.14E-01	0.000	1.02	0.92	1.12	7.61E-01	7.14E-01	0.000
1.01	0.92	1.11	7.93E-01	5.44E-01	0.000	1.01	0.92	1.11	7.93E-01	5.44E-01	0.000
1.00	0.88	1.13	9.60E-01	6.44E-02	0.520	0.99	0.79	1.24	9.07E-01	6.44E-02	0.520
1.00	0.92	1.08	9.56E-01	1.70E-01	0.356	1.02	0.90	1.14	8.00E-01	1.70E-01	0.356
0.94	0.86	1.02	1.43E-01	4.91E-01	0.000	0.94	0.86	1.02	1.43E-01	4.91E-01	0.000
1.01	0.93	1.09	8.45E-01	1.66E-01	0.361	1.04	0.92	1.17	5.64E-01	1.66E-01	0.361
0.96	0.86	1.07	4.44E-01	2.43E-01	0.268	0.96	0.82	1.12	5.71E-01	2.43E-01	0.268
0.90	0.84	0.97	7.01E-03	5.48E-01	0.000	0.90	0.84	0.97	7.01E-03	5.48E-01	0.000
0.98	0.86	1.11	7.29E-01	2.98E-01	0.179	0.99	0.84	1.16	8.77E-01	2.98E-01	0.179
0.96	0.87	1.06	4.28E-01	7.23E-02	0.505	0.98	0.82	1.16	7.94E-01	7.23E-02	0.505
1.01	0.96	1.07	6.66E-01	1.14E-01	0.463	1.09	0.96	1.25	1.77E-01	1.14E-01	0.463
0.97	0.90	1.04	4.17E-01	1.68E-01	0.358	0.98	0.87	1.10	7.31E-01	1.68E-01	0.358
0.93	0.81	1.07	3.35E-01	6.42E-01	0.000	0.93	0.81	1.07	3.35E-01	6.42E-01	0.000
0.91	0.81	1.02	1.11E-01	4.96E-01	0.000	0.91	0.81	1.02	1.11E-01	4.96E-01	0.000
1.09	1.01	1.17	2.05E-02	8.74E-01	0.000	1.09	1.01	1.17	2.05E-02	8.74E-01	0.000
0.97	0.86	1.09	6.21E-01	2.29E-01	0.275	0.96	0.82	1.13	6.32E-01	2.29E-01	0.275
0.99	0.91	1.08	8.87E-01	9.46E-01	0.000	0.99	0.91	1.08	8.87E-01	9.46E-01	0.000
1.02	0.94	1.10	6.91E-01	1.31E-01	0.412	1.03	0.92	1.16	5.79E-01	1.31E-01	0.412

Meta THR_arcOGEN_insilico_denovo_fixed						Meta THR_arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.96	0.89	1.04	3.04E-01	4.05E-02	0.762	0.97	0.83	1.14	7.48E-01	4.05E-02	0.762
1.07	1.01	1.13	2.02E-02	3.39E-01	0.076	1.07	1.01	1.14	3.19E-02	3.39E-01	0.076
0.94	0.84	1.06	3.26E-01	9.56E-01	0.000	0.94	0.84	1.06	3.26E-01	9.56E-01	0.000
0.93	0.87	1.00	4.16E-02	3.99E-04	0.920	0.96	0.75	1.23	7.48E-01	3.99E-04	0.920
1.15	1.02	1.29	2.07E-02	2.46E-01	0.258	1.14	0.98	1.31	8.04E-02	2.46E-01	0.258
1.01	0.94	1.09	7.28E-01	3.77E-02	0.769	1.04	0.88	1.22	6.77E-01	3.77E-02	0.769
1.01	0.93	1.10	8.12E-01	4.30E-01	0.000	1.01	0.93	1.10	8.12E-01	4.30E-01	0.000
1.02	0.95	1.08	6.29E-01	8.45E-01	0.000	1.02	0.95	1.08	6.29E-01	8.45E-01	0.000
0.94	0.88	1.00	3.80E-02	7.30E-01	0.000	0.94	0.88	1.00	3.80E-02	7.30E-01	0.000
0.98	0.91	1.06	6.20E-01	4.22E-01	0.000	0.98	0.91	1.06	6.20E-01	4.22E-01	0.000
1.03	0.94	1.12	5.65E-01	4.72E-03	0.875	1.06	0.81	1.38	6.73E-01	4.72E-03	0.875
0.93	0.87	1.00	3.89E-02	3.39E-02	0.778	0.95	0.82	1.10	4.78E-01	3.39E-02	0.778
0.95	0.86	1.04	2.64E-01	2.67E-01	0.188	0.95	0.85	1.06	3.42E-01	2.67E-01	0.188
1.16	1.10	1.23	3.58E-07	2.65E-02	0.725	1.12	0.99	1.27	8.40E-02	2.65E-02	0.725
1.16	1.10	1.23	5.59E-07	3.04E-02	0.714	1.12	0.99	1.27	7.84E-02	3.04E-02	0.714
0.99	0.93	1.05	6.88E-01	9.53E-01	0.000	0.99	0.93	1.05	6.88E-01	9.53E-01	0.000
1.04	0.98	1.11	2.09E-01	1.40E-02	0.834	1.06	0.90	1.24	4.70E-01	1.40E-02	0.834
1.23	1.10	1.39	5.19E-04	3.00E-01	0.070	1.23	1.09	1.39	9.11E-04	3.00E-01	0.070
1.09	0.96	1.23	2.03E-01	2.93E-01	0.094	1.08	0.95	1.24	2.31E-01	2.93E-01	0.094
0.92	0.86	0.97	2.75E-03	8.19E-02	0.600	0.91	0.82	1.01	8.17E-02	8.19E-02	0.600
1.01	0.95	1.07	7.86E-01	3.15E-03	0.885	1.04	0.86	1.25	7.17E-01	3.15E-03	0.885
0.99	0.90	1.09	8.55E-01	1.30E-01	0.563	1.00	0.86	1.16	9.79E-01	1.30E-01	0.563
0.91	0.81	1.02	1.20E-01	2.57E-01	0.222	0.92	0.80	1.05	1.95E-01	2.57E-01	0.222
0.96	0.89	1.03	2.54E-01	3.83E-01	0.000	0.96	0.89	1.03	2.54E-01	3.83E-01	0.000
0.94	0.86	1.03	1.71E-01	5.96E-01	0.000	0.94	0.86	1.03	1.71E-01	5.96E-01	0.000
1.07	0.99	1.14	7.37E-02	9.22E-04	0.909	1.05	0.84	1.33	6.61E-01	9.22E-04	0.909
1.18	1.07	1.30	9.53E-04	2.05E-01	0.377	1.17	1.03	1.32	1.27E-02	2.05E-01	0.377
0.97	0.91	1.04	3.88E-01	5.51E-03	0.870	0.99	0.83	1.19	9.41E-01	5.51E-03	0.870
0.95	0.88	1.02	1.36E-01	4.32E-01	0.000	0.95	0.88	1.02	1.36E-01	4.32E-01	0.000
1.05	0.98	1.12	1.39E-01	3.61E-04	0.921	1.05	0.83	1.33	6.88E-01	3.61E-04	0.921
1.04	0.98	1.11	1.65E-01	4.12E-01	0.000	1.04	0.98	1.11	1.65E-01	4.12E-01	0.000
0.96	0.90	1.02	1.88E-01	9.99E-01	0.000	0.96	0.90	1.02	1.88E-01	9.99E-01	0.000
1.02	0.92	1.14	6.56E-01	7.29E-01	0.000	1.02	0.92	1.14	6.56E-01	7.29E-01	0.000
0.88	0.81	0.95	1.92E-03	1.33E-02	0.837	0.89	0.72	1.09	2.52E-01	1.33E-02	0.837
1.07	0.98	1.16	1.50E-01	6.27E-01	0.000	1.07	0.98	1.16	1.50E-01	6.27E-01	0.000
0.97	0.92	1.03	3.86E-01	9.86E-01	0.000	0.97	0.92	1.03	3.86E-01	9.86E-01	0.000
0.95	0.88	1.02	1.79E-01	5.99E-02	0.718	0.94	0.82	1.09	4.18E-01	5.99E-02	0.718
1.02	0.94	1.11	6.24E-01	5.78E-01	0.000	1.02	0.94	1.11	6.24E-01	5.78E-01	0.000
1.08	1.01	1.15	2.13E-02	2.24E-01	0.331	1.07	0.98	1.16	1.34E-01	2.24E-01	0.331
1.15	1.05	1.25	2.11E-03	7.66E-01	0.000	1.15	1.05	1.25	2.11E-03	7.66E-01	0.000
0.83	0.76	0.91	1.24E-04	3.30E-03	0.884	0.83	0.63	1.09	1.77E-01	3.30E-03	0.884
1.07	1.00	1.14	3.64E-02	1.02E-04	0.934	1.03	0.79	1.33	8.37E-01	1.02E-04	0.934
1.11	1.04	1.18	8.79E-04	6.15E-03	0.804	1.05	0.89	1.23	5.70E-01	6.15E-03	0.804
1.02	0.94	1.11	5.58E-01	8.45E-02	0.664	1.01	0.86	1.17	9.39E-01	8.45E-02	0.664
0.97	0.91	1.05	4.77E-01	9.02E-01	0.000	0.97	0.91	1.05	4.77E-01	9.02E-01	0.000
0.90	0.84	0.97	4.78E-03	2.81E-01	0.141	0.90	0.84	0.98	1.07E-02	2.81E-01	0.141
1.21	1.04	1.40	1.12E-02	1.00E+00	nan	1.21	1.04	1.40	1.12E-02	1.00E+00	nan
0.94	0.88	1.00	6.69E-02	8.47E-01	0.000	0.94	0.88	1.00	6.69E-02	8.47E-01	0.000
0.95	0.87	1.04	2.49E-01	1.38E-01	0.494	0.94	0.82	1.08	3.84E-01	1.38E-01	0.494
0.95	0.88	1.03	2.50E-01	5.73E-02	0.650	0.92	0.79	1.08	3.13E-01	5.73E-02	0.650
1.16	1.08	1.24	8.30E-05	4.81E-01	0.000	1.16	1.08	1.24	8.30E-05	4.81E-01	0.000
1.04	0.96	1.12	3.35E-01	6.25E-01	0.000	1.04	0.96	1.12	3.35E-01	6.25E-01	0.000
1.11	1.03	1.20	4.53E-03	4.96E-01	0.000	1.11	1.03	1.20	4.53E-03	4.96E-01	0.000
0.88	0.81	0.95	6.33E-04	2.51E-03	0.890	0.90	0.71	1.14	3.96E-01	2.51E-03	0.890
0.87	0.81	0.95	1.16E-03	7.05E-01	0.000	0.87	0.81	0.95	1.16E-03	7.05E-01	0.000
0.88	0.83	0.95	3.63E-04	5.73E-01	0.000	0.88	0.83	0.95	3.63E-04	5.73E-01	0.000
0.92	0.84	1.00	4.12E-02	5.89E-01	0.000	0.92	0.84	1.00	4.12E-02	5.89E-01	0.000
1.12	1.04	1.20	2.54E-03	3.06E-04	0.923	1.07	0.82	1.41	6.05E-01	3.06E-04	0.923
1.24	1.12	1.37	4.53E-05	8.65E-01	0.000	1.24	1.12	1.37	4.53E-05	8.65E-01	0.000
1.07	1.01	1.14	3.32E-02	5.32E-02	0.732	1.06	0.93	1.20	3.91E-01	5.32E-02	0.732
1.17	1.08	1.27	2.08E-04	6.86E-04	0.913	1.16	0.88	1.54	2.98E-01	6.86E-04	0.913
1.15	1.05	1.25	2.75E-03	3.65E-04	0.921	1.14	0.83	1.57	4.12E-01	3.65E-04	0.921
0.90	0.84	0.96	1.32E-03	1.14E-01	0.599	0.91	0.82	1.01	7.86E-02	1.14E-01	0.599
1.17	1.06	1.30	2.85E-03	2.09E-02	0.812	1.13	0.88	1.46	3.40E-01	2.09E-02	0.812
0.89	0.83	0.96	1.93E-03	9.36E-04	0.909	0.91	0.71	1.16	4.28E-01	9.36E-04	0.909
1.12	1.06	1.19	2.23E-04	8.97E-04	0.909	1.10	0.89	1.35	3.98E-01	8.97E-04	0.909
0.98	0.93	1.04	5.46E-01	1.37E-01	0.548	0.99	0.90	1.08	7.70E-01	1.37E-01	0.548
1.08	1.01	1.16	3.47E-02	3.13E-01	0.019	1.08	1.00	1.16	3.72E-02	3.13E-01	0.019
0.98	0.92	1.05	5.84E-01	1.49E-02	0.831	0.96	0.82	1.13	6.43E-01	1.49E-02	0.831
0.93	0.86	0.99	3.07E-02	4.58E-04	0.919	0.94	0.73	1.20	6.00E-01	4.58E-04	0.919
1.20	1.13	1.27	6.11E-10	6.62E-01	0.000	1.20	1.13	1.27	6.11E-10	6.62E-01	0.000
1.20	1.11	1.29	1.32E-06	4.16E-01	0.000	1.20	1.11	1.29	1.32E-06	4.16E-01	0.000
0.97	0.91	1.04	3.91E-01	3.86E-01	0.000	0.97	0.91	1.04	3.91E-01	3.86E-01	0.000
0.89	0.83	0.96	1.26E-03	1.73E-02	0.823	0.90	0.76	1.06	2.05E-01	1.73E-02	0.823
0.95	0.89	1.01	9.14E-02	7.24E-01	0.000	0.95	0.89	1.01	9.14E-02	7.24E-01	0.000
1.10	1.03	1.18	4.80E-03	5.51E-02	0.728	1.10	0.96	1.25	1.67E-01	5.51E-02	0.728
1.13	1.06	1.21	3.16E-04	2.10E-03	0.894	1.10	0.88	1.37	4.00E-01	2.10E-03	0.894
0.99	0.88	1.12	9.26E-01	7.76E-01	0.000	0.99	0.88	1.12	9.26E-01	7.76E-01	0.000
0.86	0.79	0.94	7.25E-04	3.72E-01	0.000	0.86	0.79	0.94	7.25E-04	3.72E-01	0.000
0.91	0.85	0.96	1.78E-03	6.84E-03	0.863	0.93	0.78	1.10	3.80E-01	6.84E-03	0.863
1.11	1.01	1.21	2.86E-02	2.38E-01	0.282	1.10	0.99	1.23	7.49E-02	2.38E-01	0.282
1.11	1.05	1.18	7.89E-04	1.26E-01	0.572	1.10	1.00	1.22	5.48E-02	1.26E-01	0.572
0.84	0.77	0.91	1.35E-05	1.12E-01	0.604	0.85	0.74	0.96	1.25E-02	1.12E-01	0.604
1.00	0.92	1.07	9.07E-01	2.57E-01	0.264	0.99	0.90	1.09	8.13E-01	2.57E-01	0.264
0.94	0.87	1.02	1.61E-01	4.35E-01	0.000	0.94	0.87	1.02	1.61E-01	4.35E-01	0.000
1.10	1.02	1.17	8.32E-03	1.11E-01	0.607	1.08	0.97	1.22	1.69E-01	1.11E-01	0.607
1.15	1.07	1.23	2.25E-04	1.75E-01	0.427	1.15	1.04	1.28	7.84E-03	1.75E-01	0.427
1.08	1.00	1.16	4.77E-02	7.16E-01	0.000	1.08	1.00	1.16	4.77E-02	7.16E-01	0.000
0.97	0.89	1.06	5.08E-01	9.21E-01	0.000	0.97	0.89	1.06	5.08E-01	9.21E-01	0.000
1.13	1.05	1.21	1.38E-03	2.17E-03	0.894	1.13	0.90	1.41	2.82E-01	2.17E-03	0.894
1.05	0.98	1.13	1.72E-01	6.52E-01	0.000	1.05	0.98	1.13	1.72E-01	6.52E-01	0.000
1.13	1.00	1.28	5.93E-02	1.70E-02	0.824	1.14	0.84	1.54	3.99E-01	1.70E-02	0.824
1.14	1.08	1.21	1.52E-05	7.01E-01	0.000	1.14	1.08	1.21	1.52E-05	7.01E-01	0.000
1.09	1.01	1.17	1.92E-02	1.33E-02	0.837	1.08	0.90	1.28	4.22E-01	1.33E-02	0.837
0.88	0.76	1.01	7.11E-02	2.10E-01	0.363	0.88	0.74	1.06	1.80E-01	2.10E-01	0.363
0.95	0.83	1.09	4.82E-01	2.21E-03	0.893	0.97	0.64	1.47	8.98E-01	2.21E-03	0.893
1.21	1.07	1.37	2.51E-03	1.05E-03	0.907	1.16	0.77	1.75	4.72E-01	1.05E-03	0.907
0.91	0.85	0.97	3.17E-03	3.67E-01	0.000	0.91	0.85	0.97	3.17E-03	3.67E-01	0.000
1.06	0.93	1.21	3.87E-01	3.45E-02	0.776	1.06	0.80	1.41	6.74E-01	3.45E-02	0.776
0.86	0.79	0.95	1.80E-03	2.20E-04	0.927	0.88	0.62	1.25	4.88E-01	2.20E-04	0.927
1.02	0.93	1.11	6.76E-01	5.71E-01	0.000	1.02	0.93	1.11	6.76E-01	5.71E-01	0.000
1.20	1.07	1.33	1.13E-03	1.20E-03	0.905	1.18	0.83	1.68	3.66E-01	1.20E-03	0.905
1.04	0.97	1.12	2.89E-01	7.26E-02	0.690	1.04	0.91	1.18	5.89E-01	7.26E-02	0.690
0.97	0.91	1.03	2.66E-01	4.75E-01	0.000	0.97	0.91	1.03	2.66E-01	4.75E-01	0.000
0.95	0.90	1.01	1.36E-01	5.55E-02	0.727	0.94	0.83	1.06	3.34E-01	5.55E-02	0.727
0.97	0.92	1.03	3.46E-01	6.99E-01	0.000	0.97	0.92	1.03	3.46E-01	6.99E-01	0.000
1.00	0.94	1.06	9.84E-01	9.51E-01	0.000	1.00	0.94	1.06	9.84E-01	9.51E-01	0.000
1.01	0.95	1.08	7.49E-01	1.04E-01	0.621	1.00	0.90	1.11	9.83E-01	1.04E-01	0.621
0.96	0.90	1.03	2.57E-01	5.20E-01	0.000	0.96	0.90	1.03	2.57E-01	5.20E-01	0.000
0.89	0.84	0.94	4.21E-05	1.15E-04	0.890	0.95	0.78	1.16	6.46E-01	1.15E-04	0.890
1.10	1.03	1.17	3.83E-03	9.39E-02	0.644	1.09	0.97	1.22	1.37E-01	9.39E-02	0.644
0.89	0.83	0.97	4.93E-03	9.53E-02	0.641	0.91	0.79	1.04	1.76E-01	9.53E-02	0.641
1.18	1.09	1.29	1.38E-04	1.58E-02	0.828	1.18	0.96	1.46	1.19E-01	1.58E-02	0.828
1.05	0.95	1.16	3.13E-01	7.52E-01	0.000	1.05	0.95	1.16	3.13E-01	7.52E-01	0.000
1.09	1.03	1.16	4.14E-03	2.01E-02	0.815	1.07	0.93	1.24	3.43E-01	2.01E-02	0.815
0.91	0.85	0.97	4.27E-03	9.94E-01	0.000	0.91	0.85	0.97	4.27E-03	9.94E-01	0.000
0.89	0.83	0.96	1.65E-03	9.89E-02	0.633	0.89	0.79	1.01	6.70E-02	9.89E-02	0.633
1.08	0.98	1.18	1.08E-01	6.80E-02	0.700	1.07	0.90	1.26	4.48E-01	6.80E-02	0.700
0.95	0.89	1.00	6.31E-02	5.80E-01	0.000	0.95	0.89	1.00	6.31E-02	5.80E-01	0.000
0.78	0.69	0.88	8.35E-05	8.46E-03	0.856	0.78	0.57	1.07	1.29E-01	8.46E-03	0.856
0.96	0.88	1.03	2.59E-01	3.05E-01	0.049	0.96	0.88	1.04	2.67E-01	3.05E-01	0.049
1.03	0.98	1.08	2.44E-01	3.98E-03	0.879	1.05	0.90	1.23	5.06E-01	3.98E-03	0.879
0.94	0.88	1.00	3.75E-02	4.61E-01	0.000	0.94	0.88	1.00	3.75E-02	4.61E-01	0.000
0.90	0.79	1.01	7.64E-02	1.89E-01	0.422	0.90	0.77	1.06	2.00E-01	1.89E-01	0.422
0.88	0.80	0.97	7.56E-03	3.15E-01	0.009	0.88	0.80	0.97	7.82E-03	3.15E-01	0.009
1.10	1.04	1.17	9.67E-04	9.54E-01	0.000	1.10	1.04	1.17	9.67E-04	9.54E-01	0.000
1.12	1.02	1.23	2.09E-02	6.56E-03	0.865	1.08	0.82	1.41	5.84E-01	6.56E-03	0.865
0.93	0.86	0.99	2.95E-02	1.11E-01	0.606	0.93	0.83	1.04	2.31E-01	1.11E-01	0.606
1.04	0.97	1.10	2.71E-01	6.60E-01	0.000	1.04	0.97	1.10	2.71E-01	6.60E-01	0.000

Meta THR_insilico_denovo_fixed						Meta THR_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.06	0.94	1.19	3.38E-01	1.00E+00	nan	1.06	0.94	1.19	3.38E-01	1.00E+00	nan
1.02	0.94	1.11	6.34E-01	7.55E-01	0.000	1.02	0.94	1.11	6.34E-01	7.55E-01	0.000
0.94	0.78	1.14	5.27E-01	1.00E+00	nan	0.94	0.78	1.14	5.27E-01	1.00E+00	nan
1.09	0.98	1.22	1.18E-01	1.00E+00	nan	1.09	0.98	1.22	1.18E-01	1.00E+00	nan
1.02	0.82	1.28	8.44E-01	1.00E+00	nan	1.02	0.82	1.28	8.44E-01	1.00E+00	nan
1.13	1.00	1.29	5.76E-02	1.00E+00	nan	1.13	1.00	1.29	5.76E-02	1.00E+00	nan
0.97	0.84	1.11	6.35E-01	1.00E+00	nan	0.97	0.84	1.11	6.35E-01	1.00E+00	nan
1.01	0.91	1.12	8.95E-01	1.00E+00	nan	1.01	0.91	1.12	8.95E-01	1.00E+00	nan
0.92	0.83	1.02	1.31E-01	1.00E+00	nan	0.92	0.83	1.02	1.31E-01	1.00E+00	nan
0.94	0.82	1.07	3.46E-01	1.00E+00	nan	0.94	0.82	1.07	3.46E-01	1.00E+00	nan
1.22	1.05	1.41	9.58E-03	1.00E+00	nan	1.22	1.05	1.41	9.58E-03	1.00E+00	nan
1.03	0.92	1.15	6.38E-01	1.00E+00	nan	1.03	0.92	1.15	6.38E-01	1.00E+00	nan
1.02	0.87	1.19	8.54E-01	1.00E+00	nan	1.02	0.87	1.19	8.54E-01	1.00E+00	nan
1.08	0.99	1.19	8.26E-02	6.99E-02	0.696	1.04	0.86	1.27	6.70E-01	6.99E-02	0.696
1.08	0.98	1.18	1.11E-01	1.17E-01	0.593	1.05	0.89	1.24	5.89E-01	1.17E-01	0.593
0.99	0.89	1.10	8.52E-01	1.00E+00	nan	0.99	0.89	1.10	8.52E-01	1.00E+00	nan
1.16	1.04	1.28	6.59E-03	1.00E+00	nan	1.16	1.04	1.28	6.59E-03	1.00E+00	nan
1.14	0.94	1.38	1.85E-01	1.00E+00	nan	1.14	0.94	1.38	1.85E-01	1.00E+00	nan
1.01	0.83	1.22	9.59E-01	1.00E+00	nan	1.01	0.83	1.22	9.59E-01	1.00E+00	nan
0.96	0.87	1.05	3.35E-01	6.58E-02	0.705	0.92	0.76	1.12	4.02E-01	6.58E-02	0.705
0.94	0.87	1.02	1.30E-01	1.00E+00	nan	0.94	0.87	1.02	1.30E-01	1.00E+00	nan
1.09	0.93	1.27	2.77E-01	1.00E+00	nan	1.09	0.93	1.27	2.77E-01	1.00E+00	nan
1.00	0.82	1.20	9.59E-01	1.00E+00	nan	1.00	0.82	1.20	9.59E-01	1.00E+00	nan
0.99	0.89	1.11	9.17E-01	1.00E+00	nan	0.99	0.89	1.11	9.17E-01	1.00E+00	nan
0.97	0.85	1.10	6.06E-01	1.00E+00	nan	0.97	0.85	1.10	6.06E-01	1.00E+00	nan
0.94	0.84	1.04	2.03E-01	1.00E+00	nan	0.94	0.84	1.04	2.03E-01	1.00E+00	nan
1.09	0.93	1.27	2.76E-01	1.00E+00	nan	1.09	0.93	1.27	2.76E-01	1.00E+00	nan
1.09	0.99	1.22	9.34E-02	1.00E+00	nan	1.09	0.99	1.22	9.34E-02	1.00E+00	nan
0.96	0.86	1.07	4.72E-01	2.09E-01	0.366	0.95	0.81	1.10	4.69E-01	2.09E-01	0.366
0.93	0.85	1.02	1.33E-01	1.00E+00	nan	0.93	0.85	1.02	1.33E-01	1.00E+00	nan
1.08	0.98	1.20	1.38E-01	1.00E+00	nan	1.08	0.98	1.20	1.38E-01	1.00E+00	nan
0.96	0.87	1.06	4.32E-01	1.00E+00	nan	0.96	0.87	1.06	4.32E-01	1.00E+00	nan
1.05	0.88	1.25	5.86E-01	1.00E+00	nan	1.05	0.88	1.25	5.86E-01	1.00E+00	nan
0.99	0.87	1.12	8.36E-01	1.00E+00	nan	0.99	0.87	1.12	8.36E-01	1.00E+00	nan
1.04	0.92	1.18	5.03E-01	1.00E+00	nan	1.04	0.92	1.18	5.03E-01	1.00E+00	nan
0.97	0.88	1.08	6.15E-01	1.00E+00	nan	0.97	0.88	1.08	6.15E-01	1.00E+00	nan
1.01	0.92	1.12	8.28E-01	1.00E+00	nan	1.01	0.92	1.12	8.28E-01	1.00E+00	nan
0.99	0.86	1.14	8.81E-01	1.00E+00	nan	0.99	0.86	1.14	8.81E-01	1.00E+00	nan
1.04	0.95	1.15	3.98E-01	1.27E-01	0.571	1.01	0.85	1.21	8.81E-01	1.27E-01	0.571
1.13	0.99	1.30	7.12E-02	4.84E-01	0.000	1.13	0.99	1.30	7.12E-02	4.84E-01	0.000
0.95	0.84	1.08	4.49E-01	1.00E+00	nan	0.95	0.84	1.08	4.49E-01	1.00E+00	nan
0.90	0.80	1.00	5.16E-02	1.00E+00	nan	0.90	0.80	1.00	5.16E-02	1.00E+00	nan
1.00	0.91	1.11	9.74E-01	7.84E-02	0.677	0.97	0.79	1.18	7.33E-01	7.84E-02	0.677
0.92	0.80	1.07	2.75E-01	1.00E+00	nan	0.92	0.80	1.07	2.75E-01	1.00E+00	nan
0.97	0.86	1.09	6.01E-01	1.00E+00	nan	0.97	0.86	1.09	6.01E-01	1.00E+00	nan
0.95	0.85	1.07	3.91E-01	1.00E+00	nan	0.95	0.85	1.07	3.91E-01	1.00E+00	nan
1.17	1.04	1.31	6.79E-03	4.55E-01	0.000	1.17	1.04	1.31	6.79E-03	4.55E-01	0.000
0.93	0.84	1.04	2.22E-01	1.00E+00	nan	0.93	0.84	1.04	2.22E-01	1.00E+00	nan
0.96	0.83	1.11	5.82E-01	4.77E-02	0.745	0.91	0.66	1.25	5.62E-01	4.77E-02	0.745
0.93	0.82	1.06	2.63E-01	1.96E-02	0.816	0.87	0.61	1.22	4.15E-01	1.96E-02	0.816
1.12	0.99	1.26	8.24E-02	1.00E+00	nan	1.12	0.99	1.26	8.24E-02	1.00E+00	nan
1.00	0.89	1.13	9.57E-01	5.07E-01	0.000	1.00	0.89	1.13	9.57E-01	5.07E-01	0.000
1.09	0.97	1.21	1.38E-01	1.00E+00	nan	1.09	0.97	1.21	1.38E-01	1.00E+00	nan
1.02	0.90	1.16	7.30E-01	1.00E+00	nan	1.02	0.90	1.16	7.30E-01	1.00E+00	nan
0.86	0.75	0.98	2.34E-02	1.00E+00	nan	0.86	0.75	0.98	2.34E-02	1.00E+00	nan
0.92	0.83	1.02	1.02E-01	6.06E-01	0.000	0.92	0.83	1.02	1.02E-01	6.06E-01	0.000
0.94	0.82	1.09	4.18E-01	1.00E+00	nan	0.94	0.82	1.09	4.18E-01	1.00E+00	nan
0.93	0.83	1.05	2.58E-01	1.00E+00	nan	0.93	0.83	1.05	2.58E-01	1.00E+00	nan
1.25	1.05	1.49	1.13E-02	1.00E+00	nan	1.25	1.05	1.49	1.13E-02	1.00E+00	nan
0.99	0.89	1.09	7.92E-01	1.00E+00	nan	0.99	0.89	1.09	7.92E-01	1.00E+00	nan
1.01	0.89	1.13	9.35E-01	1.00E+00	nan	1.01	0.89	1.13	9.35E-01	1.00E+00	nan
0.97	0.86	1.10	6.50E-01	1.00E+00	nan	0.97	0.86	1.10	6.50E-01	1.00E+00	nan
0.97	0.87	1.08	5.47E-01	1.00E+00	nan	0.97	0.87	1.08	5.47E-01	1.00E+00	nan
0.99	0.82	1.18	8.78E-01	1.00E+00	nan	0.99	0.82	1.18	8.78E-01	1.00E+00	nan
1.03	0.92	1.15	6.29E-01	1.00E+00	0.000	1.03	0.92	1.15	6.29E-01	1.00E+00	0.000
0.98	0.89	1.08	7.09E-01	1.00E+00	nan	0.98	0.89	1.08	7.09E-01	1.00E+00	nan
1.04	0.95	1.14	4.43E-01	1.00E+00	nan	1.04	0.95	1.14	4.43E-01	1.00E+00	nan
1.03	0.92	1.15	6.27E-01	1.00E+00	0.000	1.03	0.92	1.15	6.27E-01	1.00E+00	0.000
0.89	0.80	0.98	2.23E-02	1.00E+00	0.000	0.89	0.80	0.98	2.23E-02	1.00E+00	0.000
1.06	0.96	1.18	2.53E-01	1.00E+00	nan	1.06	0.96	1.18	2.53E-01	1.00E+00	nan
1.23	1.12	1.34	9.54E-06	4.77E-01	0.000	1.23	1.12	1.34	9.54E-06	4.77E-01	0.000
1.15	1.04	1.27	8.35E-03	8.64E-01	0.000	1.15	1.04	1.27	8.35E-03	8.64E-01	0.000
0.93	0.84	1.03	1.84E-01	3.50E-01	0.000	0.93	0.84	1.03	1.84E-01	3.50E-01	0.000
0.98	0.88	1.09	6.87E-01	1.00E+00	nan	0.98	0.88	1.09	6.87E-01	1.00E+00	nan
0.96	0.87	1.07	4.72E-01	1.00E+00	nan	0.96	0.87	1.07	4.72E-01	1.00E+00	nan
1.02	0.92	1.13	6.51E-01	1.00E+00	nan	1.02	0.92	1.13	6.51E-01	1.00E+00	nan
0.98	0.87	1.10	7.17E-01	1.00E+00	nan	0.98	0.87	1.10	7.17E-01	1.00E+00	nan
1.02	0.84	1.23	8.52E-01	5.22E-01	0.000	1.02	0.84	1.23	8.52E-01	5.22E-01	0.000
0.91	0.79	1.06	2.26E-01	1.00E+00	0.000	0.91	0.79	1.06	2.26E-01	1.00E+00	0.000
1.01	0.92	1.12	7.86E-01	1.00E+00	0.000	1.01	0.92	1.12	7.86E-01	1.00E+00	0.000
1.04	0.90	1.19	6.35E-01	1.00E+00	nan	1.04	0.90	1.19	6.35E-01	1.00E+00	nan
1.04	0.94	1.16	4.70E-01	1.00E+00	nan	1.04	0.94	1.16	4.70E-01	1.00E+00	nan
0.91	0.80	1.04	1.68E-01	1.00E+00	nan	0.91	0.80	1.04	1.68E-01	1.00E+00	nan
0.93	0.82	1.04	1.96E-01	6.85E-01	0.000	0.93	0.82	1.04	1.96E-01	6.85E-01	0.000
0.90	0.78	1.04	1.49E-01	1.00E+00	0.000	0.90	0.78	1.04	1.49E-01	1.00E+00	0.000
1.01	0.90	1.14	8.18E-01	1.00E+00	nan	1.01	0.90	1.14	8.18E-01	1.00E+00	nan
1.13	1.01	1.26	3.79E-02	6.74E-02	0.701	1.18	0.93	1.52	1.76E-01	6.74E-02	0.701
1.06	0.94	1.19	3.80E-01	1.00E+00	nan	1.06	0.94	1.19	3.80E-01	1.00E+00	nan
0.98	0.84	1.14	7.70E-01	1.00E+00	nan	0.98	0.84	1.14	7.70E-01	1.00E+00	nan
1.01	0.91	1.12	8.62E-01	1.00E+00	nan	1.01	0.91	1.12	8.62E-01	1.00E+00	nan
1.08	0.95	1.23	2.55E-01	1.00E+00	nan	1.08	0.95	1.23	2.55E-01	1.00E+00	nan
0.98	0.82	1.16	8.01E-01	1.00E+00	nan	0.98	0.82	1.16	8.01E-01	1.00E+00	nan
1.11	1.01	1.22	2.81E-02	7.59E-01	0.000	1.11	1.01	1.22	2.81E-02	7.59E-01	0.000
0.98	0.88	1.09	7.16E-01	1.00E+00	nan	0.98	0.88	1.09	7.16E-01	1.00E+00	nan
0.98	0.78	1.23	8.76E-01	1.00E+00	nan	0.98	0.78	1.23	8.76E-01	1.00E+00	nan
1.21	0.99	1.47	6.98E-02	1.00E+00	nan	1.21	0.99	1.47	6.98E-02	1.00E+00	nan
0.94	0.77	1.14	5.26E-01	1.00E+00	nan	0.94	0.77	1.14	5.26E-01	1.00E+00	nan
0.95	0.85	1.05	2.95E-01	1.00E+00	nan	0.95	0.85	1.05	2.95E-01	1.00E+00	nan
0.92	0.76	1.11	3.86E-01	1.00E+00	nan	0.92	0.76	1.11	3.86E-01	1.00E+00	nan
1.06	0.92	1.22	4.40E-01	1.00E+00	nan	1.06	0.92	1.22	4.40E-01	1.00E+00	nan
1.05	0.91	1.22	4.81E-01	1.00E+00	nan	1.05	0.91	1.22	4.81E-01	1.00E+00	nan
0.98	0.83	1.15	8.17E-01	1.00E+00	nan	0.98	0.83	1.15	8.17E-01	1.00E+00	nan
0.97	0.87	1.08	5.55E-01	1.00E+00	nan	0.97	0.87	1.08	5.55E-01	1.00E+00	nan
0.94	0.85	1.04	2.12E-01	1.00E+00	nan	0.94	0.85	1.04	2.12E-01	1.00E+00	nan
0.88	0.79	0.98	1.53E-02	1.00E+00	nan	0.88	0.79	0.98	1.53E-02	1.00E+00	nan
0.99	0.91	1.07	7.45E-01	4.88E-01	0.000	0.99	0.91	1.07	7.45E-01	4.88E-01	0.000
1.00	0.90	1.11	9.70E-01	1.00E+00	nan	1.00	0.90	1.11	9.70E-01	1.00E+00	nan
0.94	0.85	1.05	2.71E-01	1.00E+00	nan	0.94	0.85	1.05	2.71E-01	1.00E+00	nan
0.99	0.89	1.10	8.68E-01	1.00E+00	nan	0.99	0.89	1.10	8.68E-01	1.00E+00	nan
0.91	0.83	0.99	3.70E-02	2.69E-05	0.943	1.02	0.65	1.62	9.16E-01	2.69E-05	0.943
1.02	0.92	1.14	6.88E-01	1.00E+00	nan	1.02	0.92	1.14	6.88E-01	1.00E+00	nan
0.99	0.86	1.13	8.29E-01	1.00E+00	nan	0.99	0.86	1.13	8.29E-01	1.00E+00	nan
1.06	0.94	1.20	3.50E-01	1.00E+00	nan	1.06	0.94	1.20	3.50E-01	1.00E+00	nan
1.03	0.86	1.23	7.70E-01	1.00E+00	nan	1.03	0.86	1.23	7.70E-01	1.00E+00	nan
0.99	0.90	1.10	8.77E-01	1.00E+00	nan	0.99	0.90	1.10	8.77E-01	1.00E+00	nan
0.91	0.81	1.02	9.45E-02	1.00E+00	nan	0.91	0.81	1.02	9.45E-02	1.00E+00	nan
0.95	0.86	1.06	3.79E-01	1.00E+00	nan	0.95	0.86	1.06	3.79E-01	1.00E+00	nan
0.98	0.85	1.12	7.28E-01	1.00E+00	nan	0.98	0.85	1.12	7.28E-01	1.00E+00	nan
0.92	0.84	1.01	8.47E-02	4.33E-01	0.000	0.92	0.84	1.01	8.47E-02	4.33E-01	0.000
0.92	0.78	1.09	3.22E-01	1.00E+00	nan	0.92	0.78	1.09	3.22E-01	1.00E+00	nan
0.90	0.79	1.03	1.35E-01	1.00E+00	0.000	0.90	0.79	1.03	1.35E-01	1.00E+00	0.000
0.98	0.92	1.04	4.64E-01	1.00E+00	nan	0.98	0.92	1.04	4.64E-01	1.00E+00	nan
0.91	0.82	1.01	6.67E-02	1.00E+00	nan	0.91	0.82	1.01	6.67E-02	1.00E+00	nan
0.98	0.82	1.18	8.64E-01	1.00E+00	nan	0.98	0.82	1.18	8.64E-01	1.00E+00	nan
0.83	0.71	0.96	1.55E-02	1.00E+00	nan	0.83	0.71	0.96	1.55E-02	1.00E+00	nan
1.11	1.02	1.22	1.92E-02	9.30E-01	0.000	1.11	1.02	1.22	1.92E-02	9.30E-01	0.000
0.93	0.80	1.10	4.06E-01	1.00E+00	nan	0.93	0.80	1.10	4.06E-01	1.00E+00	nan
0.99	0.89	1.11	9.16E-01	1.00E+00	nan	0.99	0.89	1.11	9.16E-01	1.00E+00	nan
1.02	0.93	1.13	6.49E-01	3.92E-01	0.000	1.02	0.93	1.13	6.49E-01	3.92E-01	0.000

Meta HIP+ arcOGEN_insilico_denovo_fixed						Meta HIP+ arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.95	0.89	1.01	1.23E-01	1.15E-01	0.414	0.98	0.88	1.09	6.96E-01	1.15E-01	0.414
1.07	1.02	1.12	1.01E-02	1.37E-01	0.383	1.04	0.96	1.12	3.35E-01	1.37E-01	0.383
0.99	0.90	1.08	8.07E-01	9.25E-01	0.000	0.99	0.90	1.08	8.07E-01	9.25E-01	0.000
0.92	0.87	0.98	4.52E-03	1.67E-02	0.613	0.94	0.83	1.06	2.82E-01	1.67E-02	0.613
1.10	1.00	1.21	4.77E-02	9.12E-01	0.000	1.10	1.00	1.21	4.77E-02	9.12E-01	0.000
1.00	0.94	1.06	9.04E-01	1.86E-01	0.317	1.01	0.92	1.11	8.25E-01	1.86E-01	0.317
0.99	0.92	1.06	6.90E-01	5.47E-01	0.000	0.99	0.92	1.06	6.90E-01	5.47E-01	0.000
1.00	0.95	1.06	9.44E-01	8.47E-01	0.000	1.00	0.95	1.06	9.44E-01	8.47E-01	0.000
0.93	0.89	0.98	6.58E-03	4.02E-01	0.031	0.93	0.88	0.98	1.11E-02	4.02E-01	0.031
0.97	0.91	1.03	3.17E-01	9.11E-01	0.000	0.97	0.91	1.03	3.17E-01	9.11E-01	0.000
0.99	0.91	1.06	7.03E-01	4.62E-02	0.556	1.01	0.87	1.17	9.30E-01	4.62E-02	0.556
0.91	0.87	0.97	1.66E-03	1.08E-01	0.424	0.95	0.86	1.04	2.78E-01	1.08E-01	0.424
0.94	0.86	1.02	1.20E-01	3.32E-01	0.128	0.93	0.85	1.03	1.70E-01	3.32E-01	0.128
1.10	1.05	1.16	1.69E-04	6.71E-04	0.723	1.01	0.89	1.14	8.57E-01	6.71E-04	0.723
1.10	1.05	1.16	1.63E-04	7.50E-04	0.720	1.01	0.90	1.14	8.61E-01	7.50E-04	0.720
0.95	0.90	1.00	3.61E-02	1.99E-01	0.316	0.93	0.86	1.00	6.53E-02	1.99E-01	0.316
1.02	0.97	1.07	4.99E-01	1.56E-01	0.356	1.03	0.95	1.12	4.70E-01	1.56E-01	0.356
1.22	1.10	1.34	1.09E-04	9.67E-02	0.464	1.12	0.94	1.34	1.94E-01	9.67E-02	0.464
1.02	0.92	1.13	7.22E-01	9.42E-02	0.445	0.94	0.79	1.12	4.76E-01	9.42E-02	0.445
0.93	0.89	0.98	4.76E-03	4.10E-01	0.025	0.93	0.89	0.98	7.45E-03	4.10E-01	0.025
1.01	0.95	1.07	7.50E-01	3.05E-03	0.721	1.01	0.87	1.17	8.97E-01	3.05E-03	0.721
0.98	0.90	1.06	5.61E-01	5.25E-01	0.000	0.98	0.90	1.06	5.61E-01	5.25E-01	0.000
0.92	0.83	1.01	7.53E-02	5.86E-01	0.000	0.92	0.83	1.01	7.53E-02	5.86E-01	0.000
0.97	0.91	1.03	3.35E-01	7.28E-01	0.000	0.97	0.91	1.03	3.35E-01	7.28E-01	0.000
0.93	0.87	1.00	6.00E-02	4.68E-01	0.000	0.93	0.87	1.00	6.00E-02	4.68E-01	0.000
1.06	1.00	1.12	4.60E-02	1.84E-03	0.714	0.99	0.86	1.13	8.63E-01	1.84E-03	0.714
1.13	1.04	1.23	3.77E-03	2.80E-01	0.203	1.10	0.99	1.23	7.59E-02	2.80E-01	0.203
0.97	0.91	1.02	1.99E-01	3.27E-02	0.563	1.01	0.90	1.13	8.67E-01	3.27E-02	0.563
0.95	0.89	1.01	7.70E-02	6.27E-01	0.000	0.95	0.89	1.01	7.70E-02	6.27E-01	0.000
1.04	0.98	1.10	1.82E-01	5.89E-04	0.770	1.00	0.87	1.15	9.77E-01	5.89E-04	0.770
1.05	0.99	1.10	8.72E-02	4.26E-02	0.540	0.99	0.89	1.09	8.31E-01	4.26E-02	0.540
0.97	0.92	1.02	1.87E-01	7.06E-01	0.000	0.97	0.92	1.02	1.87E-01	7.06E-01	0.000
1.02	0.94	1.12	6.24E-01	9.00E-01	0.000	1.02	0.94	1.12	6.24E-01	9.00E-01	0.000
0.92	0.86	0.98	1.62E-02	9.74E-04	0.757	1.01	0.85	1.20	8.97E-01	9.74E-04	0.757
1.05	0.98	1.13	1.76E-01	3.38E-01	0.119	1.05	0.97	1.14	2.54E-01	3.38E-01	0.119
1.01	0.96	1.06	8.01E-01	2.77E-02	0.602	1.06	0.96	1.18	2.56E-01	2.77E-02	0.602
0.95	0.89	1.02	1.66E-01	3.55E-01	0.096	0.95	0.89	1.03	2.20E-01	3.55E-01	0.096
1.05	0.97	1.12	2.15E-01	6.60E-01	0.000	1.05	0.97	1.12	2.15E-01	6.60E-01	0.000
1.08	1.02	1.13	7.72E-03	2.59E-01	0.223	1.06	0.99	1.14	8.23E-02	2.59E-01	0.223
1.14	1.06	1.23	5.06E-04	9.82E-01	0.000	1.14	1.06	1.23	5.06E-04	9.82E-01	0.000
0.85	0.78	0.91	3.26E-05	9.20E-02	0.449	0.86	0.75	0.98	2.19E-02	9.20E-02	0.449
1.04	0.99	1.10	1.18E-01	8.05E-03	0.654	1.00	0.89	1.13	9.47E-01	8.05E-03	0.654
1.12	1.06	1.18	1.57E-05	9.77E-03	0.622	1.12	1.00	1.24	5.02E-02	9.77E-03	0.622
0.98	0.92	1.05	6.41E-01	1.53E-01	0.361	0.95	0.85	1.06	3.24E-01	1.53E-01	0.361
0.98	0.93	1.04	5.75E-01	8.41E-01	0.000	0.98	0.93	1.04	5.75E-01	8.41E-01	0.000
0.94	0.89	1.00	4.68E-02	5.08E-01	0.000	0.94	0.89	1.00	4.68E-02	5.08E-01	0.000
1.10	0.88	1.38	3.85E-01	3.50E-01	0.085	1.12	0.88	1.43	3.53E-01	3.50E-01	0.085
0.94	0.89	0.99	2.82E-02	2.58E-01	0.225	0.96	0.89	1.03	2.77E-01	2.58E-01	0.225
1.00	0.93	1.08	9.36E-01	6.43E-02	0.475	1.01	0.89	1.15	8.35E-01	6.43E-02	0.475
0.99	0.93	1.06	8.57E-01	1.35E-01	0.385	0.99	0.89	1.10	8.26E-01	1.35E-01	0.385
1.11	1.05	1.18	6.55E-04	3.42E-02	0.559	1.04	0.92	1.17	5.64E-01	3.42E-02	0.559
1.05	0.99	1.12	1.14E-01	7.53E-01	0.000	1.05	0.99	1.12	1.14E-01	7.53E-01	0.000
1.09	1.02	1.16	7.10E-03	4.11E-01	0.007	1.09	1.02	1.16	7.73E-03	4.11E-01	0.007
0.92	0.86	0.97	4.74E-03	4.21E-03	0.684	0.96	0.83	1.10	5.37E-01	4.21E-03	0.684
0.87	0.81	0.93	4.52E-05	7.89E-01	0.000	0.87	0.81	0.93	4.52E-05	7.89E-01	0.000
0.88	0.84	0.94	2.86E-05	6.82E-01	0.000	0.88	0.84	0.94	2.86E-05	6.82E-01	0.000
0.89	0.83	0.96	1.68E-03	4.68E-01	0.000	0.89	0.83	0.96	1.68E-03	4.68E-01	0.000
1.09	1.02	1.16	8.28E-03	6.75E-02	0.514	1.08	0.97	1.21	1.71E-01	6.75E-02	0.514
1.16	1.06	1.26	8.68E-04	5.85E-03	0.670	0.96	0.78	1.19	7.13E-01	5.85E-03	0.670
1.04	0.99	1.10	1.42E-01	2.65E-01	0.225	1.02	0.95	1.10	5.29E-01	2.65E-01	0.225
1.09	1.02	1.17	1.61E-02	1.12E-03	0.730	1.01	0.86	1.19	9.03E-01	1.12E-03	0.730
1.08	1.00	1.16	4.24E-02	4.89E-04	0.752	0.97	0.81	1.17	7.82E-01	4.89E-04	0.752
0.91	0.86	0.96	5.90E-04	2.65E-01	0.215	0.92	0.86	0.99	2.81E-02	2.65E-01	0.215
1.13	1.04	1.24	5.13E-03	8.78E-02	0.456	1.08	0.92	1.27	3.22E-01	8.78E-02	0.456
0.93	0.88	0.99	1.89E-02	4.18E-03	0.709	0.99	0.87	1.14	9.14E-01	4.18E-03	0.709
1.09	1.04	1.15	1.10E-03	7.38E-03	0.659	1.05	0.93	1.18	4.68E-01	7.38E-03	0.659
0.98	0.93	1.03	3.63E-01	5.72E-01	0.000	0.98	0.93	1.03	3.63E-01	5.72E-01	0.000
1.06	1.00	1.12	6.60E-02	1.36E-01	0.384	1.04	0.94	1.14	4.36E-01	1.36E-01	0.384
0.98	0.93	1.03	4.13E-01	3.96E-01	0.040	0.98	0.92	1.03	4.06E-01	3.96E-01	0.040
0.95	0.90	1.01	1.07E-01	1.98E-03	0.712	1.02	0.89	1.16	8.17E-01	1.98E-03	0.712
1.16	1.10	1.21	3.86E-09	3.19E-02	0.544	1.12	1.02	1.23	1.45E-02	3.19E-02	0.544
1.14	1.07	1.21	5.95E-05	3.67E-01	0.081	1.13	1.05	1.21	5.28E-04	3.67E-01	0.081
0.95	0.90	1.01	8.10E-02	2.84E-01	0.185	0.95	0.88	1.02	1.59E-01	2.84E-01	0.185
0.91	0.86	0.96	9.36E-04	6.79E-02	0.489	0.94	0.85	1.03	1.92E-01	6.79E-02	0.489
0.96	0.92	1.01	1.47E-01	9.70E-01	0.000	0.96	0.92	1.01	1.47E-01	9.70E-01	0.000
1.10	1.04	1.16	1.42E-03	1.49E-01	0.386	1.08	0.99	1.18	7.55E-02	1.49E-01	0.386
1.09	1.03	1.16	2.03E-03	7.08E-02	0.508	1.05	0.95	1.16	3.75E-01	7.08E-02	0.508
0.97	0.88	1.07	5.09E-01	3.60E-01	0.091	0.96	0.86	1.08	4.96E-01	3.60E-01	0.091
0.90	0.84	0.96	1.81E-03	4.87E-03	0.678	0.98	0.84	1.16	8.32E-01	4.87E-03	0.678
0.92	0.87	0.97	1.28E-03	2.17E-02	0.621	0.95	0.86	1.06	3.78E-01	2.17E-02	0.621
1.08	1.00	1.17	4.16E-02	2.70E-02	0.605	1.00	0.84	1.18	9.69E-01	2.70E-02	0.605
1.07	1.01	1.13	1.39E-02	3.72E-02	0.577	1.03	0.93	1.15	5.43E-01	3.72E-02	0.577
0.89	0.84	0.96	9.04E-04	6.34E-02	0.522	0.94	0.83	1.06	2.99E-01	6.34E-02	0.522
1.02	0.96	1.09	4.52E-01	3.05E-01	0.159	1.02	0.94	1.11	5.75E-01	3.05E-01	0.159
0.97	0.91	1.04	4.59E-01	6.26E-01	0.000	0.97	0.91	1.04	4.59E-01	6.26E-01	0.000
1.08	1.02	1.14	7.98E-03	9.84E-02	0.461	1.03	0.94	1.14	5.20E-01	9.84E-02	0.461
1.12	1.05	1.19	2.52E-04	3.61E-01	0.090	1.12	1.04	1.20	1.74E-03	3.61E-01	0.090
1.07	1.01	1.14	2.14E-02	2.95E-01	0.177	1.09	1.00	1.17	3.75E-02	2.95E-01	0.177
0.98	0.91	1.05	5.86E-01	5.45E-01	0.000	0.98	0.91	1.05	5.86E-01	5.45E-01	0.000
1.07	1.01	1.14	2.37E-02	1.32E-04	0.801	0.99	0.84	1.17	9.12E-01	1.32E-04	0.801
1.07	1.00	1.13	4.15E-02	1.93E-01	0.324	1.05	0.95	1.15	3.30E-01	1.93E-01	0.324
1.13	1.02	1.26	2.13E-02	9.68E-02	0.464	1.11	0.93	1.32	2.67E-01	9.68E-02	0.464
1.10	1.04	1.15	4.10E-04	3.06E-01	0.157	1.09	1.02	1.16	9.16E-03	3.06E-01	0.157
1.07	1.01	1.13	3.12E-02	1.18E-02	0.634	1.00	0.88	1.15	9.84E-01	1.18E-02	0.634
0.88	0.78	1.00	4.37E-02	6.31E-01	0.000	0.88	0.78	1.00	4.37E-02	6.31E-01	0.000
0.93	0.83	1.04	1.85E-01	1.59E-02	0.616	0.90	0.71	1.15	4.18E-01	1.59E-02	0.616
1.08	0.97	1.19	1.58E-01	6.75E-04	0.744	0.92	0.71	1.18	4.98E-01	6.75E-04	0.744
0.93	0.89	0.98	1.16E-02	4.48E-01	0.000	0.93	0.89	0.98	1.16E-02	4.48E-01	0.000
1.03	0.92	1.15	5.80E-01	7.87E-02	0.471	1.01	0.84	1.22	8.97E-01	7.87E-02	0.471
0.89	0.82	0.96	1.72E-03	5.96E-02	0.504	0.90	0.79	1.03	1.37E-01	5.96E-02	0.504
1.00	0.92	1.07	9.29E-01	4.35E-01	0.000	1.00	0.92	1.07	9.29E-01	4.35E-01	0.000
1.17	1.07	1.28	4.99E-04	7.49E-05	0.790	1.01	0.79	1.28	9.53E-01	7.49E-05	0.790
1.04	0.98	1.11	1.69E-01	5.43E-01	0.000	1.04	0.98	1.11	1.69E-01	5.43E-01	0.000
0.98	0.93	1.03	3.47E-01	9.66E-01	0.000	0.98	0.93	1.03	3.47E-01	9.66E-01	0.000
0.96	0.91	1.01	1.33E-01	5.23E-01	0.000	0.96	0.91	1.01	1.33E-01	5.23E-01	0.000
0.97	0.93	1.02	2.36E-01	6.65E-01	0.000	0.97	0.93	1.02	2.36E-01	6.65E-01	0.000
1.00	0.95	1.05	9.85E-01	5.34E-01	0.000	1.00	0.95	1.05	9.85E-01	5.34E-01	0.000
1.02	0.96	1.07	5.18E-01	1.02E-01	0.455	0.99	0.91	1.09	8.68E-01	1.02E-01	0.455
0.97	0.92	1.02	2.02E-01	4.29E-01	0.000	0.97	0.92	1.02	2.02E-01	4.29E-01	0.000
0.90	0.86	0.95	5.53E-05	5.56E-04	0.728	0.97	0.86	1.09	5.65E-01	5.56E-04	0.728
1.09	1.03	1.15	1.34E-03	3.93E-02	0.572	1.07	0.96	1.19	2.16E-01	3.93E-02	0.572
0.93	0.88	1.00	3.62E-02	2.48E-01	0.237	0.96	0.87	1.04	3.12E-01	2.48E-01	0.237
1.13	1.05	1.21	1.55E-03	1.32E-02	0.653	1.08	0.93	1.26	3.03E-01	1.32E-02	0.653
1.07	0.98	1.16	1.25E-01	5.78E-02	0.508	1.03	0.88	1.20	7.44E-01	5.78E-02	0.508
1.08	1.02	1.13	4.86E-03	2.19E-02	0.595	1.05	0.95	1.17	3.45E-01	2.19E-02	0.595
0.94	0.89	0.99	2.27E-02	6.37E-01	0.000	0.94	0.89	0.99	2.27E-02	6.37E-01	0.000
0.93	0.87	0.98	1.29E-02	7.28E-03	0.659	0.99	0.87	1.13	8.87E-01	7.28E-03	0.659
1.02	0.95	1.10	5.56E-01	1.46E-01	0.389	1.00	0.89	1.13	9.70E-01	1.46E-01	0.389
0.93	0.88	0.98	4.57E-03	4.65E-01	0.000	0.93	0.88	0.98	4.57E-03	4.65E-01	0.000
0.86	0.78	0.95	2.47E-03	1.18E-02	0.634	0.91	0.74	1.12	3.57E-01	1.18E-02	0.634
0.99	0.93	1.06	7.66E-01	9.67E-02	0.441	0.99	0.88	1.11	8.28E-01	9.67E-02	0.441
1.06	1.01	1.11	2.02E-02	1.82E-02	0.633	1.11	1.00	1.23	6.02E-02	1.82E-02	0.633
0.96	0.91	1.01	1.34E-01	2.48E-01	0.238	0.97	0.90	1.04	3.61E-01	2.48E-01	0.238
0.88	0.80	0.97	1.39E-02	5.50E-01	0.000	0.88	0.80	0.97	1.39E-02	5.50E-01	0.000
0.91	0.84	0.98	1.51E-02	6.25E-01	0.000	0.91	0.84	0.98	1.51E-02	6.25E-01	0.000
1.08	1.02	1.13	3.68E-03	9.34E-01	0.000	1.08	1.02	1.13	3.68E-03	9.34E-01	0.000
1.09	1.01	1.18	3.54E-02	3.25E-02	0.564	1.02	0.87	1.20	8.26E-01	3.25E-02	0.564
0.94	0.89	1.00	4.51E-02	6.84E-01	0.000	0.94	0.89	1.00	4.51E-02	6.84E-01	0.000
1.04	0.99	1.10	1.54E-01	1.53E-01	0.361	1.04	0.96	1.13	3.51E-01	1.53E-01	0.361

Meta HIP+ insilico_denovo_fixed						Meta HIP+ insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.04	0.95	1.14	3.77E-01	7.29E-01	0.000	1.04	0.95	1.14	3.77E-01	7.29E-01	0.000
1.00	0.94	1.07	9.61E-01	6.54E-01	0.000	1.00	0.94	1.07	9.61E-01	6.54E-01	0.000
0.94	0.82	1.08	3.95E-01	9.57E-01	0.000	0.94	0.82	1.08	3.95E-01	9.57E-01	0.000
1.02	0.94	1.10	6.66E-01	4.17E-01	0.000	1.02	0.94	1.10	6.66E-01	4.17E-01	0.000
1.06	0.92	1.23	4.09E-01	8.86E-01	0.000	1.06	0.92	1.23	4.09E-01	8.86E-01	0.000
1.07	0.97	1.17	1.76E-01	4.04E-01	0.019	1.06	0.97	1.17	1.99E-01	4.04E-01	0.019
0.93	0.83	1.03	1.70E-01	7.77E-01	0.000	0.93	0.83	1.03	1.70E-01	7.77E-01	0.000
0.98	0.91	1.06	6.03E-01	8.34E-01	0.000	0.98	0.91	1.06	6.03E-01	8.34E-01	0.000
0.95	0.88	1.03	2.09E-01	3.50E-01	0.102	0.95	0.87	1.04	2.63E-01	3.50E-01	0.102
0.95	0.86	1.04	2.55E-01	8.89E-01	0.000	0.95	0.86	1.04	2.55E-01	8.89E-01	0.000
1.10	0.99	1.23	8.37E-02	4.25E-01	0.000	1.10	0.99	1.23	8.37E-02	4.25E-01	0.000
1.01	0.93	1.09	8.40E-01	9.95E-01	0.000	1.01	0.93	1.09	8.40E-01	9.95E-01	0.000
0.94	0.84	1.06	3.27E-01	2.30E-01	0.272	0.91	0.77	1.08	2.93E-01	2.30E-01	0.272
1.01	0.94	1.08	7.98E-01	2.86E-02	0.574	0.97	0.85	1.11	6.45E-01	2.86E-02	0.574
1.00	0.94	1.08	8.91E-01	4.31E-02	0.538	0.97	0.86	1.10	6.32E-01	4.31E-02	0.538
0.92	0.85	0.99	3.61E-02	1.70E-01	0.377	0.90	0.80	1.01	7.62E-02	1.70E-01	0.377
1.09	1.01	1.18	3.17E-02	5.42E-01	0.000	1.09	1.01	1.18	3.17E-02	5.42E-01	0.000
1.06	0.91	1.23	4.50E-01	5.38E-01	0.000	1.06	0.91	1.23	4.50E-01	5.38E-01	0.000
0.91	0.79	1.05	2.02E-01	3.56E-01	0.093	0.89	0.76	1.05	1.73E-01	3.56E-01	0.093
0.96	0.89	1.03	2.07E-01	4.06E-01	0.025	0.96	0.89	1.03	2.13E-01	4.06E-01	0.025
0.94	0.88	1.01	6.97E-02	2.38E-01	0.276	0.94	0.83	1.07	3.49E-01	2.38E-01	0.276
1.03	0.92	1.16	5.94E-01	6.19E-01	0.000	1.03	0.92	1.16	5.94E-01	6.19E-01	0.000
1.00	0.87	1.15	9.99E-01	9.21E-01	0.000	1.00	0.87	1.15	9.99E-01	9.21E-01	0.000
1.01	0.93	1.10	8.39E-01	9.20E-01	0.000	1.01	0.93	1.10	8.39E-01	9.20E-01	0.000
0.97	0.88	1.07	5.03E-01	4.97E-01	0.000	0.97	0.88	1.07	5.03E-01	4.97E-01	0.000
0.96	0.89	1.04	2.93E-01	3.18E-01	0.150	0.96	0.87	1.05	3.45E-01	3.18E-01	0.150
1.03	0.91	1.16	6.55E-01	7.91E-01	0.000	1.03	0.91	1.16	6.55E-01	7.91E-01	0.000
1.07	0.99	1.16	1.07E-01	7.75E-01	0.000	1.07	0.99	1.16	1.07E-01	7.75E-01	0.000
0.97	0.89	1.06	5.22E-01	6.02E-01	0.000	0.97	0.89	1.06	5.22E-01	6.02E-01	0.000
0.95	0.88	1.02	1.41E-01	1.55E-01	0.400	0.95	0.85	1.07	4.05E-01	1.55E-01	0.400
1.01	0.94	1.09	8.07E-01	4.08E-02	0.569	0.93	0.80	1.08	3.40E-01	4.08E-02	0.569
0.96	0.89	1.03	2.42E-01	6.03E-01	0.000	0.96	0.89	1.03	2.42E-01	6.03E-01	0.000
1.00	0.88	1.14	9.55E-01	8.32E-01	0.000	1.00	0.88	1.14	9.55E-01	8.32E-01	0.000
1.03	0.94	1.13	5.36E-01	9.38E-02	0.496	1.07	0.91	1.26	3.92E-01	9.38E-02	0.496
1.03	0.94	1.13	5.18E-01	2.70E-01	0.217	1.03	0.91	1.17	6.02E-01	2.70E-01	0.217
1.05	0.97	1.14	1.99E-01	3.51E-02	0.613	1.12	0.96	1.31	1.40E-01	3.51E-02	0.613
1.00	0.92	1.09	9.73E-01	5.63E-01	0.000	1.00	0.92	1.09	9.73E-01	5.63E-01	0.000
0.99	0.89	1.10	7.89E-01	8.69E-01	0.000	0.99	0.89	1.10	7.89E-01	8.69E-01	0.000
1.04	0.96	1.12	3.12E-01	2.76E-01	0.210	1.04	0.94	1.14	4.53E-01	2.76E-01	0.210
1.11	1.00	1.23	5.76E-02	9.87E-01	0.000	1.11	1.00	1.23	5.76E-02	9.87E-01	0.000
0.91	0.82	1.01	6.88E-02	3.11E-01	0.159	0.90	0.79	1.03	1.21E-01	3.11E-01	0.159
0.97	0.89	1.05	4.28E-01	4.53E-02	0.559	0.97	0.83	1.13	6.83E-01	4.53E-02	0.559
1.05	0.98	1.14	1.62E-01	3.55E-02	0.556	1.10	0.96	1.26	1.54E-01	3.55E-02	0.556
0.89	0.80	0.99	2.61E-02	7.21E-01	0.000	0.89	0.80	0.99	2.61E-02	7.21E-01	0.000
0.98	0.90	1.07	6.76E-01	7.41E-01	0.000	0.98	0.90	1.07	6.76E-01	7.41E-01	0.000
0.98	0.90	1.07	6.16E-01	5.57E-01	0.000	0.98	0.90	1.07	6.16E-01	5.57E-01	0.000
0.99	0.91	1.07	7.18E-01	3.50E-01	0.102	0.99	0.91	1.09	9.05E-01	3.50E-01	0.102
1.03	0.93	1.14	6.11E-01	4.38E-02	0.537	1.03	0.86	1.23	7.47E-01	4.38E-02	0.537
1.00	0.90	1.10	9.36E-01	8.26E-02	0.487	0.98	0.84	1.15	8.21E-01	8.26E-02	0.487
1.03	0.94	1.12	5.77E-01	1.37E-01	0.403	0.98	0.85	1.14	8.08E-01	1.37E-01	0.403
1.01	0.92	1.11	8.11E-01	8.45E-01	0.000	1.01	0.92	1.11	8.11E-01	8.45E-01	0.000
1.06	0.98	1.15	1.76E-01	4.31E-01	0.000	1.06	0.98	1.15	1.76E-01	4.31E-01	0.000
1.04	0.95	1.14	3.80E-01	5.12E-01	0.000	1.04	0.95	1.14	3.80E-01	5.12E-01	0.000
0.88	0.79	0.97	1.01E-02	6.86E-01	0.000	0.88	0.79	0.97	1.01E-02	6.86E-01	0.000
0.92	0.85	1.00	5.42E-02	8.45E-01	0.000	0.92	0.85	1.00	5.42E-02	8.45E-01	0.000
0.90	0.81	1.00	4.54E-02	3.48E-01	0.106	0.89	0.78	1.01	6.21E-02	3.48E-01	0.106
1.01	0.92	1.11	8.32E-01	1.98E-01	0.335	1.05	0.92	1.20	4.93E-01	1.98E-01	0.335
1.04	0.91	1.19	5.92E-01	1.67E-02	0.638	0.84	0.62	1.13	2.48E-01	1.67E-02	0.638
0.97	0.90	1.05	4.86E-01	8.66E-01	0.000	0.97	0.90	1.05	4.86E-01	8.66E-01	0.000
0.96	0.88	1.05	3.79E-01	5.49E-01	0.000	0.96	0.88	1.05	3.79E-01	5.49E-01	0.000
0.94	0.85	1.03	1.86E-01	6.33E-01	0.000	0.94	0.85	1.03	1.86E-01	6.33E-01	0.000
0.96	0.89	1.04	3.24E-01	4.79E-01	0.000	0.96	0.89	1.04	3.24E-01	4.79E-01	0.000
1.02	0.89	1.16	7.97E-01	2.55E-01	0.239	1.02	0.85	1.22	8.40E-01	2.55E-01	0.239
1.02	0.94	1.11	5.88E-01	2.21E-01	0.301	1.04	0.93	1.16	5.35E-01	2.21E-01	0.301
0.98	0.91	1.06	6.15E-01	5.32E-01	0.000	0.98	0.91	1.06	6.15E-01	5.32E-01	0.000
1.01	0.94	1.08	8.60E-01	6.18E-01	0.000	1.01	0.94	1.08	8.60E-01	6.18E-01	0.000
1.02	0.94	1.11	6.25E-01	1.24E-01	0.422	1.01	0.87	1.16	9.06E-01	1.24E-01	0.422
0.93	0.87	1.01	8.04E-02	6.03E-01	0.000	0.93	0.87	1.01	8.04E-02	6.03E-01	0.000
1.06	0.98	1.14	1.32E-01	6.56E-01	0.000	1.06	0.98	1.14	1.32E-01	6.56E-01	0.000
1.14	1.06	1.22	2.98E-04	2.22E-02	0.593	1.09	0.96	1.24	1.99E-01	2.22E-02	0.593
1.09	1.00	1.18	3.76E-02	6.15E-01	0.000	1.09	1.00	1.18	3.76E-02	6.15E-01	0.000
0.95	0.87	1.03	1.82E-01	2.00E-01	0.299	0.94	0.84	1.06	3.12E-01	2.00E-01	0.299
0.98	0.91	1.06	6.15E-01	7.89E-01	0.000	0.98	0.91	1.06	6.15E-01	7.89E-01	0.000
0.97	0.90	1.05	4.74E-01	9.40E-01	0.000	0.97	0.90	1.05	4.74E-01	9.40E-01	0.000
1.03	0.95	1.11	4.61E-01	7.32E-01	0.000	1.03	0.95	1.11	4.61E-01	7.32E-01	0.000
0.99	0.91	1.08	8.50E-01	8.66E-01	0.000	0.99	0.91	1.08	8.50E-01	8.66E-01	0.000
0.96	0.83	1.11	5.67E-01	2.63E-01	0.218	0.92	0.76	1.11	4.04E-01	2.63E-01	0.218
0.99	0.89	1.09	7.89E-01	2.72E-02	0.604	1.04	0.85	1.28	6.77E-01	2.72E-02	0.604
1.01	0.94	1.09	8.12E-01	5.96E-01	0.000	1.01	0.94	1.09	8.12E-01	5.96E-01	0.000
0.96	0.85	1.07	4.50E-01	3.40E-01	0.115	0.94	0.82	1.08	3.76E-01	3.40E-01	0.115
1.01	0.93	1.09	7.81E-01	7.20E-02	0.535	1.00	0.86	1.15	9.60E-01	7.20E-02	0.535
0.98	0.89	1.08	6.96E-01	4.03E-01	0.006	0.98	0.89	1.08	7.05E-01	4.03E-01	0.006
0.98	0.90	1.08	7.20E-01	3.42E-01	0.115	1.00	0.90	1.11	9.58E-01	3.42E-01	0.115
0.94	0.85	1.04	2.63E-01	5.96E-01	0.000	0.94	0.85	1.04	2.63E-01	5.96E-01	0.000
1.00	0.91	1.09	9.49E-01	4.84E-01	0.000	1.00	0.91	1.09	9.49E-01	4.84E-01	0.000
1.10	1.01	1.20	3.42E-02	2.94E-01	0.178	1.10	0.99	1.22	7.85E-02	2.94E-01	0.178
1.10	1.01	1.20	3.51E-02	2.42E-01	0.257	1.13	1.00	1.27	4.86E-02	2.42E-01	0.257
0.98	0.88	1.09	6.72E-01	4.18E-01	0.000	0.98	0.88	1.09	6.72E-01	4.18E-01	0.000
0.96	0.89	1.04	3.38E-01	1.91E-01	0.346	0.94	0.83	1.06	2.99E-01	1.91E-01	0.346
1.03	0.93	1.13	6.09E-01	1.77E-01	0.367	1.01	0.88	1.16	8.81E-01	1.77E-01	0.367
1.00	0.88	1.15	9.62E-01	8.65E-01	0.000	1.00	0.88	1.15	9.62E-01	8.65E-01	0.000
1.07	0.99	1.15	7.40E-02	2.88E-01	0.186	1.06	0.97	1.16	1.73E-01	2.88E-01	0.186
0.96	0.88	1.05	3.93E-01	3.73E-01	0.069	0.96	0.87	1.06	4.08E-01	3.73E-01	0.069
0.94	0.79	1.11	4.65E-01	6.49E-01	0.000	0.94	0.79	1.11	4.65E-01	6.49E-01	0.000
1.06	0.91	1.24	4.47E-01	1.03E-01	0.454	0.95	0.72	1.27	7.48E-01	1.03E-01	0.454
0.88	0.77	1.01	6.68E-02	4.12E-01	0.006	0.88	0.77	1.01	6.78E-02	4.12E-01	0.006
0.98	0.90	1.06	5.86E-01	6.56E-01	0.000	0.98	0.90	1.06	5.86E-01	6.56E-01	0.000
0.91	0.79	1.06	2.24E-01	4.94E-01	0.000	0.91	0.79	1.06	2.24E-01	4.94E-01	0.000
0.97	0.88	1.08	5.66E-01	3.63E-01	0.083	0.96	0.86	1.08	5.26E-01	3.63E-01	0.083
1.01	0.90	1.13	8.77E-01	3.26E-01	0.139	0.99	0.87	1.13	8.98E-01	3.26E-01	0.139
1.02	0.91	1.15	6.81E-01	5.97E-03	0.694	0.92	0.71	1.20	5.53E-01	5.97E-03	0.694
1.01	0.93	1.09	8.40E-01	6.56E-01	0.000	1.01	0.93	1.09	8.40E-01	6.56E-01	0.000
0.96	0.89	1.03	2.39E-01	9.80E-01	0.000	0.96	0.89	1.03	2.39E-01	9.80E-01	0.000
0.91	0.84	0.98	1.33E-02	9.40E-01	0.000	0.91	0.84	0.98	1.33E-02	9.40E-01	0.000
0.98	0.92	1.05	6.13E-01	5.79E-01	0.000	0.98	0.92	1.05	6.13E-01	5.79E-01	0.000
0.99	0.91	1.07	7.22E-01	4.24E-01	0.000	0.99	0.91	1.07	7.22E-01	4.24E-01	0.000
0.97	0.89	1.05	3.98E-01	1.92E-01	0.344	0.96	0.85	1.07	4.41E-01	1.92E-01	0.344
0.97	0.89	1.05	4.10E-01	2.98E-01	0.183	0.97	0.88	1.07	5.20E-01	2.98E-01	0.183
0.95	0.89	1.02	1.52E-01	1.25E-03	0.726	0.99	0.85	1.17	9.47E-01	1.25E-03	0.726
1.03	0.95	1.12	4.57E-01	9.16E-02	0.500	1.04	0.90	1.19	6.04E-01	9.16E-02	0.500
1.02	0.92	1.12	7.61E-01	7.14E-01	0.000	1.02	0.92	1.12	7.61E-01	7.14E-01	0.000
1.01	0.92	1.11	7.93E-01	5.44E-01	0.000	1.01	0.92	1.11	7.93E-01	5.44E-01	0.000
1.00	0.88	1.13	9.60E-01	6.44E-02	0.520	0.99	0.79	1.24	9.07E-01	6.44E-02	0.520
1.00	0.92	1.08	9.56E-01	1.70E-01	0.356	1.02	0.90	1.14	8.00E-01	1.70E-01	0.356
0.94	0.86	1.02	1.43E-01	4.91E-01	0.000	0.94	0.86	1.02	1.43E-01	4.91E-01	0.000
1.01	0.93	1.09	8.45E-01	1.66E-01	0.361	1.04	0.92	1.17	5.64E-01	1.66E-01	0.361
0.96	0.86	1.07	4.44E-01	2.43E-01	0.268	0.96	0.82	1.12	5.71E-01	2.43E-01	0.268
0.91	0.85	0.98	1.19E-02	4.11E-01	0.009	0.91	0.85	0.98	1.29E-02	4.11E-01	0.009
0.98	0.86	1.11	7.29E-01	2.98E-01	0.179	0.99	0.84	1.16	8.77E-01	2.98E-01	0.179
0.96	0.87	1.06	4.28E-01	7.23E-02	0.505	0.98	0.82	1.16	7.94E-01	7.23E-02	0.505
1.01	0.96	1.07	6.66E-01	1.14E-01	0.463	1.09	0.96	1.25	1.77E-01	1.14E-01	0.463
0.97	0.90	1.04	4.17E-01	1.68E-01	0.358	0.98	0.87	1.10	7.31E-01	1.68E-01	0.358
0.93	0.81	1.07	3.35E-01	6.42E-01	0.000	0.93	0.81	1.07	3.35E-01	6.42E-01	0.000
0.91	0.81	1.02	1.11E-01	4.96E-01	0.000	0.91	0.81	1.02	1.11E-01	4.96E-01	0.000
1.08	1.01	1.16	2.77E-02	8.80E-01	0.000	1.08	1.01	1.16	2.77E-02	8.80E-01	0.000
0.97	0.86	1.09	6.21E-01	2.29E-01	0.275	0.96	0.82	1.13	6.32E-01	2.29E-01	0.275
0.99	0.91	1.08	8.87E-01	9.46E-01	0.000	0.99	0.91	1.08	8.87E-01	9.46E-01	0.000
1.02	0.94	1.10	6.13E-01	1.10E-01	0.443	1.04	0.92	1.17	5.23E-01	1.10E-01	0.443

Male Hip

Marker	Chr	Position	EA	NEA	arcOGEN				THR arcOGEN				arcOGEN HIP+				deCODE			
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1	102046864	C	T	0.89	0.80	0.99	3.98E-02	0.90	0.80	1.00	4.72E-02	0.90	0.82	1.00	4.13E-02	0.93	0.81	1.06	2.84E-01
rs1417066	1	217740451	G	A	1.12	1.03	1.22	1.10E-02	1.11	1.02	1.21	2.04E-02	1.12	1.03	1.21	7.39E-03	1.10	0.99	1.22	9.09E-02
rs1629896	1	223752551	G	A	0.99	0.84	1.15	8.55E-01	1.01	0.86	1.18	9.52E-01	1.04	0.90	1.21	5.71E-01	0.93	0.75	1.15	5.14E-01
rs987179	1	242876559	A	G	0.99	0.90	1.08	7.73E-01	1.00	0.91	1.10	9.37E-01	0.97	0.89	1.06	4.57E-01	1.03	0.92	1.17	6.01E-01
rs1024816	2	37454712	G	A	1.12	0.96	1.29	1.51E-01	1.13	0.97	1.32	1.05E-01	1.16	1.01	1.33	3.97E-02	1.05	0.82	1.34	6.89E-01
rs3791679	2	55950396	G	A	0.77	0.70	0.86	1.71E-06	0.78	0.70	0.87	7.76E-06	0.81	0.73	0.89	1.32E-05	1.00	0.87	1.16	9.58E-01
rs10779958	2	74609286	C	A	1.05	0.94	1.18	4.00E-01	1.04	0.93	1.18	4.78E-01	1.06	0.95	1.18	3.00E-01	1.10	0.95	1.27	2.13E-01
rs6754683	2	108522707	A	G	0.82	0.75	0.90	8.84E-06	0.84	0.76	0.91	6.48E-05	0.87	0.80	0.94	5.15E-04	0.95	0.84	1.06	3.33E-01
rs4622728	2	125523313	T	C	0.97	0.89	1.06	5.36E-01	0.98	0.90	1.07	6.11E-01	0.98	0.90	1.06	5.78E-01	0.95	0.84	1.06	3.34E-01
rs1432237	2	137524977	G	A	0.77	0.69	0.86	4.44E-06	0.78	0.70	0.88	2.24E-05	0.79	0.71	0.87	6.64E-06	0.99	0.85	1.14	8.54E-01
rs12618428	2	151441225	G	A	0.95	0.84	1.08	4.17E-01	0.96	0.85	1.09	5.62E-01	0.92	0.82	1.04	1.68E-01	1.26	1.07	1.49	5.04E-03
rs6716254	2	175250720	C	T	0.99	0.90	1.09	8.37E-01	0.99	0.90	1.09	8.13E-01	0.98	0.90	1.07	6.71E-01	1.19	1.05	1.35	5.61E-03
rs6793234	3	8801396	G	A	1.00	0.87	1.15	9.70E-01	0.98	0.85	1.13	8.15E-01	1.04	0.92	1.19	5.21E-01	1.29	1.09	1.52	2.59E-03
rs11177	3	52696345	A	G	1.13	1.04	1.23	6.02E-03	1.14	1.04	1.24	3.90E-03	1.15	1.06	1.24	9.72E-04	1.07	0.96	1.21	2.32E-01
rs6976	3	52703844	T	C	1.13	1.04	1.23	6.30E-03	1.14	1.04	1.24	4.09E-03	1.14	1.06	1.24	1.14E-03	1.07	0.95	1.20	2.72E-01
rs10510816	3	59630570	A	C	1.01	0.93	1.10	7.75E-01	1.02	0.93	1.11	6.78E-01	1.01	0.93	1.09	8.01E-01	0.96	0.85	1.08	4.79E-01
rs1355782	3	132970356	C	T	0.94	0.86	1.03	1.83E-01	0.95	0.87	1.04	2.58E-01	0.93	0.86	1.02	1.08E-01	0.93	0.82	1.04	1.98E-01
rs16851066	3	142325511	A	G	1.08	0.91	1.27	4.04E-01	1.09	0.92	1.30	3.28E-01	1.06	0.91	1.25	4.52E-01	1.03	0.83	1.29	7.84E-01
rs12107036	3	191082854	A	G	0.95	0.87	1.04	2.56E-01	0.95	0.87	1.03	2.22E-01	0.99	0.91	1.07	8.15E-01	1.05	0.94	1.18	3.84E-01
rs16837352	4	5555175	T	G	0.95	0.84	1.07	3.80E-01	0.94	0.83	1.07	3.39E-01	0.98	0.88	1.10	7.88E-01	0.91	0.84	0.99	2.59E-02
rs17578878	4	37577120	T	C	0.91	0.79	1.04	1.74E-01	0.91	0.79	1.05	1.84E-01	0.90	0.79	1.03	1.15E-01	1.02	0.85	1.21	8.62E-01
rs11725992	4	48082608	C	T	0.78	0.66	0.93	6.04E-03	0.79	0.66	0.94	7.91E-03	0.78	0.66	0.92	2.73E-03	0.86	0.69	1.08	1.91E-01
rs12500935	4	114760230	A	G	1.06	0.92	1.22	4.60E-01	1.04	0.90	1.20	6.17E-01	1.11	0.97	1.27	1.18E-01	1.07	0.90	1.28	4.32E-01
rs1566347	4	186969560	T	C	0.96	0.88	1.06	4.25E-01	0.96	0.88	1.05	3.94E-01	0.97	0.89	1.06	5.02E-01	0.94	0.84	1.06	2.93E-01
rs4957048	5	636442	A	G	0.96	0.87	1.07	4.74E-01	0.97	0.87	1.07	5.44E-01	0.95	0.86	1.05	3.12E-01	0.90	0.78	1.04	1.39E-01
rs2610424	5	71292415	C	T	1.00	0.92	1.09	9.76E-01	1.01	0.92	1.10	9.15E-01	1.00	0.93	1.09	9.54E-01	1.15	1.03	1.30	1.50E-02
rs457008	5	81110411	T	C	1.00	0.92	1.09	9.79E-01	1.01	0.93	1.11	7.47E-01	1.00	0.92	1.08	9.85E-01	1.01	0.91	1.14	8.08E-01
rs10036746	5	91780688	A	G	1.36	1.19	1.56	9.86E-06	1.36	1.18	1.56	1.32E-05	1.29	1.14	1.47	9.34E-05	0.87	0.71	1.06	1.74E-01
rs10515550	5	144792886	T	C	1.00	0.92	1.09	9.37E-01	1.00	0.92	1.09	9.75E-01	0.97	0.90	1.05	5.06E-01	1.06	0.95	1.19	3.06E-01
rs13167773	5	148567182	T	C	0.90	0.79	1.02	9.42E-02	0.88	0.78	1.00	5.62E-02	0.90	0.80	1.01	7.99E-02	0.94	0.84	1.05	3.00E-01
rs10051783	5	167755230	T	C	1.03	0.91	1.15	6.91E-01	1.01	0.90	1.14	8.38E-01	1.01	0.90	1.13	8.30E-01	1.00	0.85	1.18	9.81E-01
rs10948172	6	44885669	G	A	1.14	1.04	1.25	4.33E-03	1.16	1.06	1.28	1.48E-03	1.15	1.05	1.25	1.71E-03	1.09	0.97	1.24	1.61E-01
rs9350591	6	76298247	T	C	1.25	1.10	1.41	6.13E-04	1.26	1.11	1.43	3.55E-04	1.24	1.10	1.40	3.08E-04	1.10	0.93	1.31	2.69E-01
rs10943837	6	82727239	T	C	1.13	1.03	1.23	8.95E-03	1.13	1.03	1.24	8.04E-03	1.09	1.01	1.19	3.79E-02	0.99	0.88	1.12	9.14E-01
rs2493984	6	95440213	G	A	1.00	0.92	1.10	9.24E-01	1.01	0.92	1.11	7.88E-01	1.01	0.93	1.10	7.72E-01	0.96	0.84	1.09	4.87E-01
rs7755798	6	109743847	T	C	1.16	1.04	1.30	7.48E-03	1.17	1.05	1.31	5.36E-03	1.20	1.08	1.33	4.71E-04	1.02	0.86	1.19	8.53E-01
rs2027532	6	112741889	C	T	1.09	0.98	1.20	1.06E-01	1.10	0.99	1.21	7.91E-02	1.12	1.02	1.23	2.15E-02	1.06	0.93	1.21	4.01E-01
rs6931833	6	114078284	A	G	0.84	0.76	0.93	6.11E-04	0.83	0.75	0.92	3.84E-04	0.86	0.78	0.94	1.50E-03	1.09	0.96	1.23	2.00E-01
rs17627827	7	16731521	G	A	0.67	0.55	0.81	4.85E-05	0.67	0.55	0.82	6.49E-05	0.64	0.53	0.77	1.71E-06				
rs6461679	7	22976588	T	C	1.03	0.94	1.13	4.96E-01	1.03	0.94	1.13	4.95E-01	1.01	0.93	1.10	7.56E-01	0.95	0.85	1.08	4.50E-01
rs7785659	7	32427540	T	C	1.11	0.99	1.25	8.42E-02	1.13	1.00	1.27	5.44E-02	1.19	1.07	1.33	2.00E-03	1.00	0.82	1.21	9.77E-01
rs7805536	7	32540095	C	T	1.13	1.01	1.27	3.45E-02	1.14	1.02	1.28	2.27E-02	1.19	1.07	1.32	1.02E-03	0.96	0.81	1.14	6.52E-01
rs1859572	7	76870933	T	C	1.12	1.01	1.24	2.58E-02	1.12	1.02	1.25	2.49E-02	1.14	1.04	1.25	6.56E-03	0.87	0.76	1.01	6.51E-02
rs6466265	7	77998184	G	A	1.00	0.89	1.11	9.37E-01	1.01	0.91	1.13	8.16E-01	1.00	0.91	1.11	9.42E-01	1.00	0.86	1.16	9.84E-01
rs2966417	7	109944782	A	G	0.89	0.81	0.99	3.17E-02	0.89	0.80	0.98	2.34E-02	0.90	0.82	1.00	4.12E-02	0.97	0.85	1.12	7.02E-01
rs4841020	8	8638760	G	A	1.06	0.95	1.19	2.96E-01	1.08	0.96	1.21	1.84E-01	1.05	0.94	1.16	4.18E-01	0.93	0.81	1.08	3.28E-01
rs1876836	8	8719166	T	C	1.06	0.96	1.17	2.24E-01	1.06	0.96	1.18	2.30E-01	1.04	0.95	1.15	3.61E-01	0.99	0.87	1.13	9.08E-01
rs4841067	8	8784655	G	A	1.04	0.92	1.17	5.05E-01	1.05	0.93	1.18	4.60E-01	1.03	0.92	1.15	5.92E-01	1.08	0.93	1.26	2.99E-01
rs609792	8	9857300	T	C	0.94	0.85	1.04	2.52E-01	0.94	0.85	1.05	2.69E-01	0.96	0.87	1.05	3.63E-01	0.95	0.83	1.08	4.19E-01
rs6997710	8	10247861	G	A	1.02	0.88	1.18	7.66E-01	1.04	0.90	1.20	6.01E-01	1.05	0.92	1.20	5.01E-01	0.97	0.79	1.18	7.39E-01
rs1421259	8	15607043	A	G	1.15	1.06	1.26	1.39E-03	1.15	1.05	1.26	1.89E-03	1.13	1.04	1.23	2.81E-03	0.93	0.83	1.05	2.31E-01
rs2289496	8	98357340	C	A	0.88	0.81	0.96	5.63E-03	0.88	0.80	0.96	4.64E-03	0.90	0.83	0.98	1.63E-02	0.88	0.78	1.00	4.09E-02
rs16870112	8	104191422	A	C	1.12	0.96	1.30	1.41E-01	1.12	0.96	1.31	1.49E-01	1.14	0.99	1.31	6.54E-02	1.22	1.01	1.47	4.40E-02
rs4072286	8	142805713	G	T	0.94	0.86	1.03	1.92E-01	0.94	0.86	1.03	1.98E-01	0.96	0.88	1.04	3.05E-01	1.00	0.90	1.12	9.82E-01
rs2146423	9	4647040	G	A	1.03	0.95	1.12	4.73E-01	1.05	0.96	1.14	3.01E-01	1.02	0.94	1.11	5.81E-01	0.97	0.88	1.08	5.96E-01
rs945442	9	18917768	C	A	1.22	1.10	1.34	8.61E-05	1.21	1.09	1.33	2.49E-04	1.17	1.06	1.28	1.21E-03	0.94	0.83	1.07	3.70E-01
rs3780296	9	79327254	C	T	0.98	0.90	1.07	6.50E-01	0.97	0.89	1.06	5.51E-01	0.97	0.89	1.05	4.72E-01	0.93	0.83	1.05	2.34E-01
rs4836732	9	118306516	C	T	1.05	0.97	1.15	2.37E-01	1.07	0.98	1.16	1.56E-01	1.04	0.96	1.13	3.30E-01	0.99	0.88	1.11	8.63E-01
rs2900277	9	131434091	G	T	1.03	0.93	1.13	5.92E-01	1.04	0.94	1.14	4.93E-01	1.02	0.93	1.11	7.51E-01	0.95	0.83	1.08	4.02E-01
rs9299558	10	56603927	A	C	0.94	0.86	1.02	1.44E-01	0.93	0.86	1.02	1.23E-01	0.92	0.85	1.00	5.21E-02	1.15	1.02	1.29	1.80E-02
rs787640	10	95114663	G	A	1.00	0.91	1.10	9.77E-01	1.00	0.91	1.10	9.89E-01	0.99	0.90	1.08	7.59E-01	1.05	0.93	1.20	4.16E-01
rs11188412	10	97391986	A	G	0.77	0.64	0.92	3.97E-03	0.77	0.64	0.92	4.55E-03	0.81	0.69	0.95	1.15E-02	1.15	0.91	1.45	2.40E-01
rs4757420	11	12371653	T	G	0.95	0.85	1.07	4.02E-01	0.95	0.85	1.07	3.94E-01	0.94	0.84	1.04	2.24E-01	0.96	0.81	1.13	5.93E-01
rs7119797	11	61922811	T	C	0.97	0.90	1.06	5.44E-01	0.98	0.90	1.06	5.81E-01	0.97	0.90	1.05	4.97E-01	0.98	0.88	1.10	7.64E-01
rs17159801	11	82496946	A	G	1.21	1.07	1.37	2.48E-03	1.21	1.07	1.38	2.98E-03	1.22	1.09	1.38	5.86E-04	1.00	0.86	1.17	9.63E-01
rs2693829	11	90240224	T	C	1.09	1.00	1.19	4.07E-02	1.11	1.02	1.21	2.25E-02	1.07	0.99	1.16	9.95E-02	1.07	0.93	1.22	3.29E-01
rs6589848	11	120229228	T	C	1.01	0.91	1.13	7.94E-01	1.01	0.90	1.12	9.05E-01	0.96	0.91	1.05	5.81E-01	0.94	0.81	1.09	4.28E-01
rs7941193	11	125876053	A	G	0.98	0.89	1.09	7.42E-01	0.97	0.87	1.09	6.50E-01	0.97	0.87	1.07	5.20E-01	1.05	0.91	1.21	5.17E-01
rs7122854	11	132673733	G	A	1.31	1.18	1.46	8.08E-07	1.31	1.17	1.46	1.16E-06	1.26	1.14	1.40	5.09E-06	1.02	0.87	1.19	7.91E-01
rs7305794	12	24860894	T	C	0.98	0.89	1.08	7.13E-01	0.98	0.89	1.08	6.57E-01	1.00	0.91	1.09	9.61E-01	0.86	0.76	0.99	3.25E-02
rs10492367	12	27906237	T	G	1.22	1.10	1.36	1.36E-04	1.24	1.11	1.37	8.82E-05	1.19	1.08	1.32	4.28E-04	1.06	0.92	1.22	4.63E-01
rs6487684	12	28534480	T	C	1.03	0.93	1.14	6.27E-01	1.04	0.94	1.16	4.17E-01	1.01	0.92	1.11	8.36E-01	1.03	0.90	1.18	6.99E-01
rs1034762	12	46675910	A	C	1.22	1.09	1.37	6.14E-04	1.24	1.10	1.39	3.35E-04	1.22	1.10	1.37	2.60E-04	1.02	0.86	1.21	8.11E-01
rs1404866	12	83888610	T	G	0.94	0.85	1.04	2.47E-01	0.95	0.86	1.06	3.39E-01	0.99	0.90	1.09	8.93E-01	0.91	0.78	1.06	2.11E-01
rs835487	12	103548897	G	A	1.12	1.03	1.22	1.11E-02	1.14	1.04	1.24	4.98E-03	1.10	1.01	1.19	2.89E-02	1.21	1.08	1.36	1.22E-03
rs11064722	12	118157566	T	C	1.12	1.01	1.24	3.38E-02	1.14	1.02	1.26	1.71E-02	1.13	1.03	1.24	1.39E-02	1.04	0.93	1.18	4.92E-01
rs9520058	13	105855421	G	T	0.88	0.80	0.96	4.00E-03	0.86	0.78	0.94	9.38E-04	0.88	0.81	0.96	2.68E-03	1.04	0.93	1.17	5.15E-01
rs7155791	14	49487980	T	C	1.20	1.06	1.35	3.68E-03	1.21	1.06	1.37	3.20E-03	1.20	1.07	1.35	1.89E-03	1.05	0.90	1.24	5.14E-01
rs11634255	15	30874764	G	A	1.16	1.07	1.27	4.65E-04	1.17	1.08	1.28	3.17E-04	1.14	1.05	1.23	1.73E-03	0.99	0.89	1.10	8.16E-01
rs4646626	15	56043419	C	T	1.00	0.92	1.09	9.29E-01	0.99	0.91	1.08	7.74E-01	1.00	0.92	1.08	9.77E-01	0.97	0.87	1.09	6.26E-01
rs8032755	15	91403060	A	G	0.93	0.85	1.02	1.08E-01	0.93	0.85	1.02	1.02E-01	0.92	0.85	1.00	4.74E-02	0.88	0.80	0.97	6.87E-03
rs2908646	16	4971845	A	G	1.09	1.00	1.18	5.13E-02	1.09	1.00	1.19	5.52E-02	1.07	0.99	1.16	8.59E-02	1.00	0.89	1.12	9.99E-01
rs12596722	16	9324789	C	A	1.03	0.94	1.12	5.87E-01	1.01	0.92	1.10	8.91E-01	1.03	0.94	1.12	5.69E-01	1.14	1.01	1.28	3.04E-02
rs12923310	16	9695438	T	G	0.82	0.75	0.89	9.99E-06	0.82	0.75	0.90	2.10E-05	0.83	0.76	0.90	1.17E-05	1.07	0.95	1.20	2.58E-01
rs8044769	16	52396636	T	C	0.93	0.86	1.02	1.05E-01	0.93	0.86	1.02	1.27E-01	0.95	0.88	1.03	2.22E-01	1.09	0.97	1.22	1.51E-01
rs9937815	16	54888333	A	G	1.12	1.03	1.23	1.10E-02	1.12	1.02	1.23	1.41E-02	1.12	1.03	1.22	8.05E-03	1.02	0.91	1.15	7.35E-01
rs7404629	16	64970230	A	G	0.93	0.84	1.03	1.54E-01	0.93	0.84	1.03	1.54E-01	0.93	0.84	1.03	1.55E-01	1.09	0.94	1.26	2.62E-01
rs4078062	17	16919559	A	G	1.05	0.92	1.20	4.80E-01	1.06	0.92	1.21	4.31E-01	1.04	0.92	1.17	5.68E-01	1.06	0.87	1.29	5.66E-01
rs8080960	17	67298538	A	G	1.07	0.98	1.17	1.21E-01	1.06	0.97	1.16	1.84E-01	1.04	0.96	1.13	3.01E-01	1.06	0.94	1.20	3.44E-01
rs11665347	18	10468812	A	G	0.92	0.84	1.01	6.40E-02	0.92	0.83	1.01	6.80E-02	0.91	0.84	1.00	4.15E-02	0.94	0.83	1.07	3.20E-01
rs17089382	18	70369681	T	C	1.33	1.17	1.51	1.59E-05	1.32	1.16	1.51	2.92E-05	1.31	1.16	1.47	1.56E-05	0.92	0.79	1.08	3.08E-01
rs12974139	19	2135005	T	C	0.81	0.74	0.88	1.69E-06	0.81	0.75	0.89	5.41E-06	0.83	0.76	0.90	3.94E-06	1.03	0.92	1.16	5.75E-01
rs10426443	19	8017982	G	A	1.05	0.94	1.17	4.22E-01	1.07	0.95	1.19	2.62E-01	1.03	0.93	1.14	5.51E-01	1.06	0.92	1.22	4.59E-01
rs10426377	19	53784046	A	C	1.06	0.96	1.16	2.74E-01	1.05	0.95	1.16	3.51E-01	1.05	0.96	1.15	3.09E-01	1.06	0.99	1.14	9.90E-02
rs1360400	20	22909890	A	G	1.03	0.94	1.12	5.53E-01	1.04	0.95	1.13	4.33E-01	1.01	0.93	1.09	8.62E-01	1.01	0.90	1.13	8.59E-01
rs17785899	20	47866466	G	A	0.96	0.84	1.10	5.46E-01	0.93	0.81	1.06	2.86E-01	0.95	0.84	1.07	3.95E-01	1.01	0.86	1.20	8.69E-01
rs4925370	20	60300986	G	A	0.91	0.83	0.99	2.25E-02	0.90	0.83	0.99	2.14E-02	0.91	0.84	0.99	2.23E-02	1.05	0.94	1.17	4.07E-01
rs3747081	22	19682120	A	G	1.00	0.88	1.14	9.64E-01	1.01	0.88	1.15	9.11E-01	0.99	0.88	1.12	9.14E-01	1.10	0.91	1.31	2.83E-01
rs7287616	22	22259852	T	C	0.83	0.75	0.92	2.96E-04	0.82	0.74	0.91	2.04E-04	0.85	0.77	0.93	5.27E-04	0.94	0.83	1.07	3.50E-01
rs5762347	22	26489672	A	G	1.21	1.10	1.32	3.77E-05	1.23	1.13	1.35	5.98E-06	1.16	1.07	1.26	4.49E-04	1.18	1.04	1.33	8.66E-03

Marker	EGCUT				RS1				RS2				UK_replication				TJR_UK_replication				UK_replication HIP+			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	0.95	0.41	2.17	8.96E-01	0.91	0.72	1.14	4.12E-01	0.73	0.45	1.19	2.05E-01												
rs1417066					1.35	1.12	1.62	1.00E-03	1.24	0.86	1.78	2.51E-01	1.07	0.92	1.24	3.99E-01	1.07	0.92	1.25	3.97E-01	1.09	0.95	1.26	2.19E-01
rs1629896	2.35	0.60	9.27	2.23E-01	1.06	0.78	1.44	7.20E-01	0.42	0.16	1.11	8.08E-02												
rs987179	1.10	0.52	2.33	8.11E-01	0.95	0.78	1.16	6.18E-01	0.84	0.55	1.29	4.24E-01												
rs1024816	0.93	0.29	2.96	9.03E-01	1.19	0.86	1.63	2.92E-01	0.71	0.34	1.50	3.69E-01												
rs3791679	0.76	0.37	1.56	4.47E-01	1.08	0.87	1.34	4.68E-01	0.71	0.44	1.13	1.44E-01												
rs10779958					0.79	0.60	1.04	9.70E-02	1.68	1.05	2.69	3.05E-02												
rs6754683	1.22	0.64	2.35	5.45E-01	0.92	0.76	1.11	3.81E-01	0.84	0.58	1.22	3.65E-01												
rs4622728	1.80	0.93	3.50	8.09E-02	1.00	0.83	1.20	9.93E-01	0.64	0.43	0.93	2.10E-02												
rs1432237	0.62	0.28	1.41	2.57E-01	1.08	0.87	1.35	4.78E-01	1.05	0.67	1.65	8.26E-01												
rs12618428					1.01	0.77	1.32	9.56E-01	1.20	0.72	2.00	4.87E-01												
rs6716254	0.82	0.40	1.70	6.00E-01	0.99	0.81	1.21	9.19E-01	1.38	0.94	2.03	1.01E-01												
rs6793234	0.96	0.34	2.67	9.37E-01	0.86	0.62	1.18	3.49E-01	1.02	0.54	1.91	9.51E-01												
rs11177	1.35	0.70	2.63	3.73E-01	0.94	0.78	1.14	5.37E-01	1.46	1.01	2.11	4.36E-02	1.07	0.91	1.25	4.19E-01	1.08	0.92	1.26	3.65E-01	1.04	0.90	1.20	6.13E-01
rs6976	1.35	0.69	2.62	3.76E-01	0.94	0.78	1.14	5.37E-01	1.46	1.01	2.11	4.31E-02	1.08	0.93	1.27	3.19E-01	1.09	0.93	1.28	2.72E-01	1.05	0.91	1.22	5.00E-01
rs10510816					1.15	0.95	1.38	1.52E-01	0.86	0.59	1.25	4.28E-01												
rs1355782	0.56	0.29	1.09	8.76E-02	0.87	0.72	1.06	1.58E-01	0.75	0.51	1.11	1.50E-01												
rs16851066					1.02	0.71	1.47	9.17E-01	0.92	0.46	1.87	8.24E-01												
rs12107036	1.01	0.52	1.94	9.81E-01	0.99	0.82	1.19	9.15E-01	0.89	0.61	1.29	5.33E-01	0.97	0.83	1.13	6.59E-01	0.96	0.82	1.12	5.67E-01	0.98	0.85	1.13	7.37E-01
rs16837352					1.01	0.79	1.30	9.13E-01	1.02	0.65	1.62	9.17E-01												
rs17578878	1.25	0.35	4.51	7.29E-01	0.94	0.71	1.25	6.68E-01	1.01	0.55	1.85	9.85E-01												
rs11725992	0.95	0.24	3.69	9.36E-01	0.71	0.48	1.03	7.00E-02	0.80	0.35	1.83	5.98E-01												
rs12500935					1.14	0.85	1.53	3.86E-01	0.96	0.51	1.82	9.06E-01												
rs1566347	1.10	0.54	2.23	7.95E-01	1.17	0.97	1.42	9.80E-02	0.95	0.65	1.39	7.73E-01												
rs4957048	0.50	0.21	1.18	1.12E-01	1.01	0.81	1.25	9.55E-01	1.47	0.97	2.20	6.65E-02	1.01	0.84	1.22	8.97E-01	1.02	0.85	1.23	8.34E-01	1.00	0.84	1.19	9.83E-01
rs2610424	0.81	0.41	1.61	5.46E-01	1.06	0.89	1.28	5.15E-01	0.78	0.54	1.12	1.83E-01												
rs457008	1.05	0.54	2.02	8.85E-01	1.09	0.90	1.30	3.82E-01	1.33	0.93	1.90	1.21E-01												
rs10036746					1.11	0.84	1.48	4.59E-01	1.39	0.79	2.45	2.57E-01												
rs10515550					1.01	0.84	1.21	9.33E-01	0.80	0.56	1.16	2.40E-01												
rs13167773					1.19	0.93	1.54	1.66E-01	1.03	0.59	1.80	9.23E-01												
rs10051783	1.08	0.44	2.65	8.59E-01	1.06	0.83	1.35	6.62E-01	1.15	0.72	1.84	5.62E-01												
rs10948172					1.28	1.05	1.55	1.40E-02	1.16	0.79	1.71	4.51E-01	1.24	1.06	1.46	8.56E-03	1.23	1.05	1.45	1.29E-02	1.23	1.06	1.44	6.74E-03
rs9350591	1.90	0.79	4.57	1.51E-01	1.33	1.02	1.73	3.40E-02	1.01	0.57	1.80	9.76E-01	1.22	0.96	1.54	9.66E-02	1.17	0.92	1.49	1.92E-01	1.20	0.97	1.50	9.63E-02
rs10943837	0.98	0.48	2.03	9.62E-01	1.01	0.83	1.22	9.37E-01	1.39	0.94	2.04	9.59E-02												
rs2493984	1.13	0.54	2.37	7.40E-01	1.06	0.87	1.29	5.82E-01	0.73	0.48	1.11	1.46E-01	1.06	0.90	1.25	4.66E-01	1.06	0.90	1.25	5.05E-01	1.06	0.91	1.23	4.74E-01
rs7755798	0.48	0.19	1.26	1.36E-01	0.91	0.72	1.14	4.08E-01	0.88	0.54	1.42	5.92E-01												
rs2027532	1.25	0.61	2.53	5.42E-01	0.99	0.80	1.23	9.34E-01	1.22	0.80	1.85	3.56E-01												
rs6931833					0.98	0.79	1.20	8.25E-01	1.00	0.65	1.52	9.86E-01												
rs17627827					1.00	0.70	1.42	9.86E-01	0.71	0.32	1.56	3.98E-01												
rs6461679	0.71	0.37	1.36	3.00E-01	1.01	0.83	1.22	9.23E-01	0.96	0.66	1.39	8.40E-01												
rs7785659	0.53	0.23	1.26	1.54E-01	0.98	0.76	1.26	8.62E-01	1.06	0.65	1.73	8.19E-01	1.22	0.99	1.50	6.36E-02	1.24	1.00	1.53	4.79E-02	1.28	1.06	1.55	1.17E-02
rs7805536					1.01	0.80	1.28	9.28E-01	0.99	0.61	1.59	9.57E-01	1.20	0.98	1.47	7.40E-02	1.23	1.01	1.51	4.27E-02	1.29	1.07	1.55	7.16E-03
rs1859572	1.26	0.56	2.83	5.80E-01	1.01	0.81	1.26	9.38E-01	1.04	0.66	1.64	8.61E-01												
rs6466265					0.71	0.56	0.90	4.00E-03	1.27	0.83	1.95	2.69E-01	0.73	0.59	0.90	3.37E-03	0.73	0.59	0.91	4.34E-03	0.75	0.62	0.91	3.93E-03
rs2966417	0.77	0.34	1.75	5.36E-01	0.99	0.80	1.24	9.56E-01	0.84	0.54	1.31	4.47E-01												
rs4841020	0.92	0.36	2.30	8.50E-01	1.07	0.84	1.35	5.95E-01	0.93	0.56	1.56	7.92E-01												
rs1876836	0.64	0.30	1.40	2.66E-01	1.13	0.92	1.39	2.30E-01	1.00	0.64	1.54	9.82E-01	1.08	0.91	1.29	3.82E-01	1.07	0.89	1.28	4.58E-01	1.07	0.90	1.26	4.59E-01
rs4841067	0.94	0.37	2.39	8.97E-01	1.09	0.85	1.40	4.91E-01	0.97	0.57	1.65	9.19E-01												
rs609792					1.10	0.88	1.37	3.93E-01	0.99	0.63	1.57	9.79E-01												
rs6997710	2.27	0.80	6.43	1.22E-01	1.00	0.70	1.42	9.96E-01	0.83	0.40	1.72	6.18E-01												
rs1421259					1.10	0.91	1.32	3.40E-01	0.80	0.54	1.17	2.54E-01												
rs2289496	1.35	0.70	2.62	3.69E-01	1.15	0.95	1.39	1.41E-01	1.04	0.71	1.53	8.48E-01												
rs16870112	0.55	0.14	2.18	3.93E-01	1.01	0.74	1.37	9.45E-01	0.95	0.50	1.81	8.84E-01												
rs4072286	1.23	0.58	2.61	5.81E-01	0.95	0.77	1.17	6.27E-01	0.80	0.54	1.19	2.64E-01												
rs2146423					0.98	0.82	1.18	8.30E-01	1.27	0.88	1.84	2.00E-01												
rs945442	1.18	0.55	2.49	6.74E-01	0.95	0.76	1.18	6.46E-01	0.84	0.53	1.32	4.45E-01												
rs3780296	0.90	0.46	1.74	7.48E-01	0.93	0.77	1.12	4.36E-01	0.76	0.52	1.12	1.70E-01												
rs4836732	0.73	0.37	1.43	3.54E-01	0.99	0.82	1.19	8.82E-01	0.85	0.60	1.22	3.91E-01	1.01	0.86	1.17	9.28E-01	1.01	0.86	1.18	8.98E-01	1.04	0.90	1.20	5.81E-01
rs2900277	0.97	0.47	1.98	9.24E-01	0.84	0.68	1.05	1.31E-01	0.85	0.54	1.33	4.71E-01	1.07	0.90	1.28	4.25E-01	1.08	0.90	1.29	4.08E-01	1.03	0.87	1.21	7.56E-01
rs9299558					1.00	0.83	1.19	9.72E-01	1.00	0.69	1.44	9.97E-01												
rs787640					1.01	0.83	1.23	9.24E-01	0.92	0.60	1.39	6.81E-01												
rs11188412	0.75	0.21	2.64	6.58E-01	1.32	0.95	1.84	1.00E-01	1.00	0.49	2.06	9.97E-01	0.98	0.72	1.33	9.03E-01	0.97	0.71	1.33	8.48E-01	0.93	0.69	1.24	6.03E-01
rs4757420	0.65	0.29	1.45	2.88E-01	0.99	0.77	1.28	9.52E-01	0.69	0.40	1.19	1.80E-01												
rs7119797					0.97	0.81	1.17	7.71E-01	0.96	0.66	1.39	8.32E-01												
rs17159801					1.12	0.82	1.52	4.73E-01	0.99	0.53	1.86	9.81E-01												
rs2693829					0.90	0.75	1.09	2.85E-01	0.70	0.47	1.03	7.20E-02												
rs6589848					1.29	1.04	1.61	2.20E-02	1.18	0.75	1.84	4.76E-01												
rs7941193	1.76	0.77	4.04	1.80E-01	1.15	0.92	1.44	2.25E-01	1.03	0.65	1.63	9.04E-01	0.87	0.71	1.06	1.68E-01	0.87	0.71	1.06	1.70E-01	0.87	0.72	1.04	1.33E-01
rs7122854					1.04	0.83	1.31	7.39E-01	0.99	0.61	1.60	9.62E-01												
rs7305794					0.98	0.80	1.20	8.38E-01	0.85	0.56	1.30	4.60E-01												
rs10492367	3.07	1.40	6.72	5.02E-03	1.07	0.86	1.33	5.66E-01	0.94	0.57	1.54	8.03E-01	1.24	1.03	1.48	2.40E-02	1.25	1.03	1.50	2.03E-02	1.15	0.96	1.36	1.24E-01
rs6487684	0.86	0.41	1.79	6.86E-01	1.02	0.82	1.27	8.70E-01	1.17	0.76	1.80	4.76E-01												
rs1034762	0.59	0.26	1.34	2.08E-01	1.12	0.87	1.44	3.76E-01	1.28	0.80	2.04	3.11E-01												
rs1404866					0.90	0.73	1.12	3.52E-01	1.00	0.65	1.54	9.90E-01												
rs835487	1.67	0.83	3.36	1.49E-01	0.99	0.82	1.20	9.00E-01	0.90	0.61	1.32	5.79E-01	1.04	0.89	1.22	6.00E-01	1.05	0.89	1.23	5.71E-01	1.03	0.88	1.19	7.48E-01
rs11064722	0.69	0.28	1.66	4.05E-01	1.05	0.84	1.31	6.59E-01	0.99	0.63	1.55	9.55E-01												
rs9520058					1.03	0.86	1.25	7.26E-01	1.19	0.82	1.73	3.52E-01												
rs7155791	0.62	0.24	1.62	3.33E-01	0.93	0.70	1.22	5.90E-01	1.15	0.67	1.97	6.08E-01												
rs11634255					0.79	0.65	0.94	1.00E-02	0.98	0.68	1.40	8.91E-01												
rs4646626	1.11	0.57	2.15	7.58E-01	1.03	0.86	1.23	7.53E-01	0.75	0.52	1.09	1.30E-01												
rs8032755					1.00	0.83	1.21	9.74E-01	0.69	0.47	1.01	5.65E-02	0.85	0.73	1.00	4.50E-02	0.86	0.74	1.01	6.92E-02	0.85	0.73	0.98	2.59E-02
rs2908646					0.87	0.72	1.04	1.25E-01	1.07	0.74	1.55	7.24E-01												
rs12596722					0.95	0.78	1.15	5.77E-01	1.06	0.71	1.59	7.67E-01												
rs12923310					0.99	0.81	1.20	8.99E-01	0.91	0.62	1.33	6.31E-01												
rs8044769	1.27	0.66	2.42	4.75E-01	1.19	0.99	1.42	6.80E-02	0.97	0.68	1.40	8.89E-01	0.95	0.81	1.10	4.84E-01	0.96	0.83	1.12	6.38E-01	0.93	0.81	1.08	3.37E-01
rs9937815					0.99	0.82	1.20	9.45E-01	1.22	0.86	1.72	2.62E-01												
rs7404629	1.01	0.42	2.43	9.87E-01	0.98	0.78	1.24	8.93E-01	0.70	0.43	1.14	1.54E-01												
rs4078062	0.56	0.20	1.54	2.58E-01	0.84	0.63	1.13	2.44E-01	0.65	0.32	1.32	2.34E-01												
rs8080960	1.82	0.95	3.48	7.23E-02	1.08	0.90	1.30	3.99E-01	0.80	0.55	1.16	2.45E-01												
rs11665347					1.01	0.82	1.23	9.54E-01	1.07	0.73	1.58	7.22E-01												
rs17089382					1.10	0.84	1.45	4.88E-01	1.20	0.70	2.04	5.10E-01												
rs12974139					0.82	0.68	0.99	3.50E-02	1.09	0.76	1.56	6.58E-01	0.91	0.78	1.06	2.17E-01	0.88	0.75	1.03	1.16E-01	0.94	0.81	1.08	3.79E-01
rs10426443	0.80	0.34	1.84	5.96E-01	1.00	0.79	1.28	9.77E-01	1.40	0.90	2.18	1.33E-01												
rs10426377					1.02	0.82	1.28	8.30E-01	1.12	0.74	1.67	5.95E-01												
rs1360400	2.49	1.28	4.84	7.38E-03	0.99	0.82	1.18	8.86E-01	1.06	0.72	1.57	7.64E-01												
rs17785899	1.50	0.43	5.24	5.28E-01	1.00	0.77	1.30	9.98E-01	1.47	0.86	2.54	1.61E-01												
rs4925370					1.13	0.94	1.35	1.93E-01	0.79	0.54	1.14	2.01E-01	0.92	0.79	1.08	3.13E-01	0.93	0.80	1.09	3.83E-01	0.93	0.80	1.08	3.28E-01
rs3747081	0.87	0.36	2.10	7.62E-01	1.08	0.82	1.43	5.87E-01	0.95	0.54	1.68	8.60E-01												
rs7287616	1.82	0.38	8.70	4.54E-01	0.97	0.79	1.19	7.80E-01	0.79	0.51	1.23	2.97E-01												
rs5762347					1.11	0.89	1.37	3.68E-01	1.15	0.79	1.68	4.59E-01	1.12	0.95	1.31	1.81E-01	1.13	0.96	1.32	1.52E-01	1.11	0.96	1.29	1.73E-01

Marker	Meta arcOGEN_insilico_denovo_fixed						Meta arcOGEN_insilico_denovo_random						Meta insilico_denovo_fixed					
	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
rs1854169	0.90	0.84	0.98	9.65E-03	9.18E-01	0.000	0.90	0.84	0.98	9.65E-03	9.18E-01	0.000	0.91	0.82	1.02	1.11E-01	8.32E-01	0.000
rs1417066	1.13	1.06	1.19	4.36E-05	3.29E-01	0.133	1.13	1.06	1.20	2.10E-04	3.29E-01	0.133	1.14	1.05	1.23	1.36E-03	2.10E-01	0.337
rs1629896	0.97	0.87	1.09	6.52E-01	2.95E-01	0.187	0.97	0.84	1.12	7.04E-01	2.95E-01	0.187	0.96	0.81	1.14	6.40E-01	1.81E-01	0.385
rs987179	0.99	0.93	1.06	8.43E-01	8.66E-01	0.000	0.99	0.93	1.06	8.43E-01	8.66E-01	0.000	1.00	0.91	1.11	9.85E-01	7.46E-01	0.000
rs1024816	1.10	0.98	1.23	1.24E-01	7.76E-01	0.000	1.10	0.98	1.23	1.24E-01	7.76E-01	0.000	1.07	0.88	1.28	5.07E-01	6.50E-01	0.000
rs3791679	0.87	0.80	0.94	3.54E-04	1.04E-02	0.697	0.89	0.74	1.07	2.19E-01	1.04E-02	0.697	1.00	0.89	1.12	9.45E-01	3.63E-01	0.059
rs10779958	1.05	0.97	1.15	2.26E-01	3.98E-02	0.640	1.05	0.89	1.25	5.37E-01	3.98E-02	0.640	1.06	0.93	1.20	3.82E-01	1.56E-02	0.760
rs6754683	0.87	0.82	0.93	2.95E-05	2.81E-01	0.209	0.88	0.81	0.96	2.66E-03	2.81E-01	0.209	0.94	0.85	1.03	1.77E-01	7.97E-01	0.000
rs4622728	0.96	0.90	1.02	2.28E-01	8.24E-02	0.516	0.96	0.85	1.07	4.40E-01	8.24E-02	0.516	0.95	0.86	1.04	2.67E-01	4.40E-02	0.630
rs1432237	0.88	0.81	0.95	1.34E-03	1.39E-02	0.680	0.92	0.77	1.10	3.62E-01	1.39E-02	0.680	1.01	0.90	1.13	9.05E-01	6.06E-01	0.000
rs12618428	1.05	0.96	1.16	2.56E-01	5.18E-02	0.612	1.08	0.91	1.28	3.95E-01	5.18E-02	0.612	1.19	1.04	1.36	1.11E-02	3.84E-01	0.000
rs6716254	1.05	0.99	1.13	1.20E-01	8.34E-02	0.514	1.07	0.95	1.21	2.56E-01	8.34E-02	0.514	1.14	1.03	1.26	1.08E-02	2.51E-01	0.267
rs6793234	1.08	0.98	1.19	1.32E-01	1.07E-01	0.474	1.06	0.89	1.26	5.00E-01	1.07E-01	0.474	1.17	1.02	1.35	2.85E-02	1.67E-01	0.408
rs11177	1.09	1.03	1.16	2.94E-03	3.06E-01	0.167	1.09	1.02	1.17	1.62E-02	3.06E-01	0.167	1.06	0.98	1.15	1.28E-01	2.81E-01	0.210
rs6976	1.09	1.03	1.16	2.68E-03	3.08E-01	0.165	1.09	1.02	1.17	1.48E-02	3.08E-01	0.165	1.07	0.98	1.16	1.22E-01	2.77E-01	0.215
rs10510816	1.01	0.94	1.07	8.72E-01	3.56E-01	0.074	1.01	0.94	1.08	8.75E-01	3.56E-01	0.074	1.00	0.91	1.10	9.44E-01	2.04E-01	0.372
rs1355782	0.92	0.86	0.98	9.68E-03	4.36E-01	0.000	0.92	0.86	0.98	9.68E-03	4.36E-01	0.000	0.89	0.81	0.98	1.76E-02	3.82E-01	0.021
rs16851066	1.05	0.93	1.19	4.48E-01	9.69E-01	0.000	1.05	0.93	1.19	4.48E-01	9.69E-01	0.000	1.02	0.85	1.23	8.27E-01	9.58E-01	0.000
rs12107036	0.98	0.93	1.04	5.33E-01	8.12E-01	0.000	0.98	0.93	1.04	5.33E-01	8.12E-01	0.000	1.01	0.93	1.09	8.34E-01	8.59E-01	0.000
rs16837352	0.93	0.87	0.99	2.84E-02	8.08E-01	0.000	0.93	0.87	0.99	2.84E-02	8.08E-01	0.000	0.92	0.85	1.00	4.13E-02	6.56E-01	0.000
rs17578878	0.95	0.86	1.05	3.13E-01	8.83E-01	0.000	0.95	0.86	1.05	3.13E-01	8.83E-01	0.000	1.00	0.86	1.15	9.73E-01	9.53E-01	0.000
rs11725992	0.80	0.71	0.91	7.01E-04	9.19E-01	0.000	0.80	0.71	0.91	7.01E-04	9.19E-01	0.000	0.83	0.69	0.99	4.15E-02	8.54E-01	0.000
rs12500935	1.07	0.96	1.18	2.04E-01	9.55E-01	0.000	1.07	0.96	1.18	2.04E-01	9.55E-01	0.000	1.08	0.94	1.25	2.88E-01	8.76E-01	0.000
rs1566347	0.98	0.92	1.05	5.36E-01	3.79E-01	0.048	0.98	0.92	1.05	5.96E-01	3.79E-01	0.048	1.00	0.91	1.10	9.56E-01	2.67E-01	0.240
rs4957048	0.97	0.90	1.04	3.32E-01	1.74E-01	0.350	0.98	0.88	1.08	6.27E-01	1.74E-01	0.350	0.97	0.88	1.07	5.10E-01	1.04E-01	0.480
rs2610424	1.04	0.98	1.11	2.13E-01	1.41E-01	0.421	1.04	0.94	1.15	4.87E-01	1.41E-01	0.421	1.09	1.00	1.20	6.16E-02	1.74E-01	0.396
rs457008	1.02	0.96	1.09	4.70E-01	6.08E-01	0.000	1.02	0.96	1.09	4.70E-01	6.08E-01	0.000	1.05	0.96	1.15	2.96E-01	5.44E-01	0.000
rs10036746	1.18	1.06	1.31	1.81E-03	4.01E-03	0.775	1.14	0.88	1.47	3.34E-01	4.01E-03	0.775	0.97	0.83	1.14	7.46E-01	1.67E-01	0.441
rs10515550	1.01	0.95	1.08	6.55E-01	5.23E-01	0.000	1.01	0.95	1.08	6.55E-01	5.23E-01	0.000	1.03	0.94	1.13	5.56E-01	3.51E-01	0.045
rs13167773	0.95	0.88	1.03	1.91E-01	2.55E-01	0.261	0.96	0.87	1.06	4.26E-01	2.55E-01	0.261	0.98	0.89	1.09	7.35E-01	2.39E-01	0.301
rs10051783	1.03	0.94	1.12	5.47E-01	9.83E-01	0.000	1.03	0.94	1.12	5.47E-01	9.83E-01	0.000	1.03	0.91	1.17	6.53E-01	9.43E-01	0.000
rs10948172	1.16	1.09	1.23	5.00E-06	6.26E-01	0.000	1.16	1.09	1.23	5.00E-06	6.26E-01	0.000	1.17	1.08	1.28	3.19E-04	4.87E-01	0.000
rs9350591	1.21	1.11	1.32	1.39E-05	6.71E-01	0.000	1.21	1.11	1.32	1.39E-05	6.71E-01	0.000	1.18	1.05	1.33	5.76E-03	5.84E-01	0.000
rs10943837	1.08	1.01	1.15	2.83E-02	3.04E-01	0.174	1.07	0.99	1.16	9.63E-02	3.04E-01	0.174	1.02	0.92	1.12	7.09E-01	4.46E-01	0.000
rs2493984	1.00	0.94	1.06	9.97E-01	6.13E-01	0.000	1.00	0.94	1.06	9.97E-01	6.13E-01	0.000	1.00	0.91	1.09	9.30E-01	4.69E-01	0.000
rs7755798	1.07	0.98	1.16	1.09E-01	1.02E-01	0.483	1.02	0.88	1.17	8.40E-01	1.02E-01	0.483	0.96	0.85	1.09	5.33E-01	4.28E-01	0.000
rs2027532	1.07	1.00	1.15	6.60E-02	8.84E-01	0.000	1.07	1.00	1.15	6.60E-02	8.84E-01	0.000	1.05	0.95	1.18	3.36E-01	7.98E-01	0.000
rs6931833	0.94	0.87	1.01	7.58E-02	1.65E-02	0.707	0.96	0.82	1.13	6.25E-01	1.65E-02	0.707	1.05	0.95	1.17	3.25E-01	7.00E-01	0.000
rs17627827	0.73	0.62	0.87	2.69E-04	1.54E-01	0.465	0.77	0.58	1.04	8.48E-02	1.54E-01	0.465	0.94	0.68	1.31	7.27E-01	4.41E-01	0.000
rs6461679	1.00	0.94	1.07	9.90E-01	7.02E-01	0.000	1.00	0.94	1.07	9.90E-01	7.02E-01	0.000	0.96	0.87	1.06	4.33E-01	7.77E-01	0.000
rs7785659	1.08	0.99	1.18	7.26E-02	3.80E-01	0.057	1.08	0.99	1.18	1.03E-01	3.80E-01	0.057	1.05	0.93	1.18	4.14E-01	3.00E-01	0.180
rs7805536	1.08	1.00	1.17	4.57E-02	4.23E-01	0.000	1.08	1.00	1.17	4.57E-02	4.23E-01	0.000	1.04	0.93	1.16	4.70E-01	4.11E-01	0.000
rs1859572	1.03	0.96	1.11	4.08E-01	9.11E-02	0.501	1.01	0.88	1.16	8.57E-01	9.11E-02	0.501	0.93	0.83	1.04	1.93E-01	5.68E-01	0.000
rs6466265	0.93	0.87	1.01	7.15E-02	5.81E-03	0.725	0.90	0.76	1.06	2.09E-01	5.81E-03	0.725	0.88	0.79	0.97	1.48E-02	8.03E-03	0.746
rs2966417	0.93	0.86	1.00	4.49E-02	7.91E-01	0.000	0.93	0.86	1.00	4.49E-02	7.91E-01	0.000	0.96	0.86	1.08	5.26E-01	8.69E-01	0.000
rs4841020	1.01	0.93	1.10	7.38E-01	6.75E-01	0.000	1.01	0.93	1.10	7.38E-01	6.75E-01	0.000	0.96	0.85	1.09	5.35E-01	8.10E-01	0.000
rs1876836	1.05	0.98	1.12	1.74E-01	7.00E-01	0.000	1.05	0.98	1.12	1.74E-01	7.00E-01	0.000	1.03	0.95	1.13	4.64E-01	5.85E-01	0.000
rs4841067	1.06	0.97	1.15	2.02E-01	9.84E-01	0.000	1.06	0.97	1.15	2.02E-01	9.84E-01	0.000	1.08	0.95	1.22	2.49E-01	9.71E-01	0.000
rs609792	0.96	0.89	1.04	3.11E-01	6.54E-01	0.000	0.96	0.89	1.04	3.11E-01	6.54E-01	0.000	0.99	0.88	1.10	7.96E-01	5.28E-01	0.000
rs6997710	1.01	0.90	1.12	8.98E-01	5.88E-01	0.000	1.01	0.90	1.12	8.98E-01	5.88E-01	0.000	0.99	0.83	1.17	8.83E-01	4.35E-01	0.000
rs1421259	1.06	1.00	1.13	6.29E-02	1.45E-02	0.715	1.03	0.89	1.19	7.23E-01	1.45E-02	0.715	0.96	0.88	1.06	4.41E-01	2.12E-01	0.355
rs2289496	0.92	0.86	0.98	1.10E-02	8.30E-02	0.515	0.96	0.85	1.08	4.73E-01	8.30E-02	0.515	0.96	0.87	1.06	4.69E-01	8.83E-02	0.541
rs16870112	1.13	1.01	1.25	3.25E-02	6.64E-01	0.000	1.13	1.01	1.25	3.25E-02	6.64E-01	0.000	1.13	0.97	1.32	1.20E-01	4.96E-01	0.000
rs4072286	0.96	0.90	1.02	2.22E-01	7.38E-01	0.000	0.96	0.90	1.02	2.22E-01	7.38E-01	0.000	0.98	0.89	1.08	6.91E-01	6.53E-01	0.000
rs2146423	1.01	0.95	1.07	7.42E-01	4.94E-01	0.000	1.01	0.95	1.07	7.42E-01	4.94E-01	0.000	0.99	0.91	1.08	7.93E-01	3.84E-01	0.000
rs945442	1.08	1.01	1.16	3.12E-02	1.44E-02	0.678	1.03	0.87	1.21	7.70E-01	1.44E-02	0.678	0.94	0.85	1.05	2.80E-01	8.98E-01	0.000
rs3780296	0.95	0.89	1.02	1.35E-01	7.53E-01	0.000	0.95	0.89	1.02	1.35E-01	7.53E-01	0.000	0.92	0.84	1.01	8.45E-02	8.10E-01	0.000
rs4836732	1.02	0.96	1.08	6.12E-01	7.31E-01	0.000	1.02	0.96	1.08	6.12E-01	7.31E-01	0.000	0.98	0.91	1.06	6.76E-01	8.32E-01	0.000
rs2900277	0.99	0.92	1.05	6.94E-01	4.64E-01	0.000	0.99	0.92	1.05	6.94E-01	4.64E-01	0.000	0.95	0.87	1.04	3.01E-01	4.90E-01	0.000
rs9299558	1.01	0.95	1.07	8.27E-01	5.28E-02	0.610	1.02	0.91	1.15	7.30E-01	5.28E-02	0.610	1.10	1.00	1.21	5.11E-02	4.08E-01	0.000
rs787640	1.02	0.95	1.09	6.71E-01	8.84E-01	0.000	1.02	0.95	1.09	6.71E-01	8.84E-01	0.000	1.03	0.93	1.15	5.42E-01	7.93E-01	0.000
rs11188412	0.95	0.85	1.07	4.31E-01	3.53E-02	0.582	1.00	0.81	1.24	9.80E-01	3.53E-02	0.582	1.12	0.96	1.31	1.44E-01	7.00E-01	0.000
rs4757420	0.95	0.87	1.03	2.06E-01	6.78E-01	0.000	0.95	0.87	1.03	2.06E-01	6.78E-01	0.000	0.94	0.82	1.07	3.37E-01	5.15E-01	0.000
rs7119797	0.98	0.92	1.04	4.45E-01	9.99E-01	0.000	0.98	0.92	1.04	4.45E-01	9.99E-01	0.000	0.98	0.89	1.07	6.39E-01	9.88E-01	0.000
rs17159801	1.12	1.02	1.23	1.41E-02	3.10E-01	0.163	1.12	1.00	1.24	5.06E-02	3.10E-01	0.163	1.02	0.89	1.17	7.27E-01	8.23E-01	0.000
rs2693829	1.05	0.98	1.12	1.47E-01	5.52E-02	0.605	1.05	0.93	1.18	4.05E-01	5.52E-02	0.605	0.99	0.90	1.09	8.97E-01	6.49E-01	0.000
rs6589848	1.03	0.96	1.11	4.66E-01	1.09E-01	0.505	1.04	0.93	1.17	4.20E-01	1.09E-01	0.505	1.05	0.93	1.18	4.56E-01	5.27E-01	0.000
rs7941193	1.01	0.93	1.08	8.87E-01	3.31E-01	0.128	1.01	0.93	1.10	8.51E-01	3.31E-01	0.128	1.03	0.93	1.13	6.20E-01	2.49E-01	0.259
rs7122854	1.16	1.08	1.24	6.80E-05	3.32E-02	0.651	1.15	0.95	1.32	1.82E-01	3.52E-02	0.651	1.02	0.91	1.16	7.02E-01	9.80E-01	0.000
rs7305794	0.94	0.88	1.01	1.06E-01	4.38E-01	0.000	0.94	0.88	1.01	1.06E-01	4.38E-01	0.000	0.89	0.80	1.00	4.29E-02	5.82E-01	0.000
rs10492367	1.17	1.09	1.25	2.11E-05	6.71E-02	0.515	1.16	1.03	1.31	1.54E-02	6.71E-02	0.515	1.12	1.02	1.23	2.33E-02	6.68E-02	0.545
rs6487684	1.03	0.95	1.11	4.74E-01	9.65E-01	0.000	1.03	0.95	1.11	4.74E-01	9.65E-01	0.000	1.03	0.92	1.15	6.02E-01	9.02E-01	0.000
rs1034762	1.15	1.05	1.25	2.15E-03	2.24E-01	0.297	1.13	0.99	1.28	6.22E-02	2.24E-01	0.297	1.05	0.92	1.20	4.60E-01	4.08E-01	0.000
rs1404866	0.93	0.86	1.00	6.07E-02	9.45E-01	0.000	0.93	0.86	1.00	6.07E-02	9.45E-01	0.000	0.91	0.81	1.03	1.25E-01	9.01E-01	0.000
rs835487	1.12	1.05	1.18	3.40E-04	2.43E-01	0.255	1.11	1.02	1.20	1.07E-02	2.43E-01	0.255	1.11	1.02	1.21	1.12E-02	1.53E-01	0.403
rs11064722	1.08	1.00	1.16	4.83E-02	7.38E-01	0.000	1.08	1.00	1.16	4.83E-02	7.38E-01	0.000	1.04	0.94	1.15	5.01E-01	8.25E-01	0.000
rs9520058	0.95	0.89	1.02	1.46E-01	5.60E-02	0.603	0.99	0.87	1.11	8.26E-01	5.60E-02	0.603	1.05	0.95	1.15	3.47E-01	7.72E-01	0.000
rs7155791	1.11	1.02	1.22	1.85E-02	3.05E-01	0.171	1.10	0.98	1.23	9.96E-02	3.05E-01	0.171	1.02	0.89	1.17	7.59E-01	6.19E-01	0.000
rs11634255	1.06	1.00	1.12	5.02E-02	1.62E-03	0.803	0.99	0.83	1.17	8.65E-01	1.62E-03	0.803	0.94	0.86	1.03	1.80E-01	1.43E-01	0.486
rs4646626	0.99	0.93	1.05	7.58E-01	6.21E-01	0.000	0.99	0.93	1.05	7.58E-01	6.21E-01	0.000	0.97	0.89	1.07	5.78E-01	4.92E-01	0.000
rs8032755	0.90	0.85	0.95	2.84E-04	3.50E-01	0.098	0.90	0.85	0.96	8.09E-04	3.50E-01	0.098	0.88	0.82	0.95	7.01E-04	3.15E-01	0.154
rs2908646	1.03	0.97	1.10	3.05E-01	1.76E-01	0.394	1.02	0.92	1.11	7.49E-01	1.76E-01	0.394	0.96	0.87	1.05	3.31E-01	4.04E-01	0.000
rs12596722	1.05	0.98	1.12	1.37E-01	3.79E-01	0.028	1.05	0.98	1.13	1.48E-01	3.79E-01	0.028	1.08	0.98	1.20	1.07E-01	3.01E-01	0.168
rs12923310	0.91	0.85	0.97	6.15E-03	3.86E-03	0.776	0.94	0.80	1.11	4.71E-01	3.86E-03	0.776	1.03	0.94	1.13	4.64E-01	6.52E-01	0.000
rs8044769	1.00	0.94	1.06	9.86E-01	1.04E-01	0.453	1.02	0.93	1.12	6.78E-01	1.04E-01	0.453	1.06	0.98	1.15	1.37E-01	3.67E-01	0.079
rs9937815	1.08	1.01	1.15	2.06E-02	6.91E-01	0.000	1.08	1.01	1.15	2.06E-02	6.91E-01	0.000	1.05	0.96	1.14	3.06E-01	7.28E-01	0.000
rs7404629	0.97	0.90	1.04	4.19E-01	3.19E-01	0.150	0.97	0.89	1.07	5.65E-01	3.19E-01	0.150	1.03	0.91	1.16	6.35E-01	3.56E-01	0.000
rs4078062	1.01	0.91	1.11	8.92E-01	2.96E-01	0.186	0.99	0.87	1.12	8.63E-01	2.96E-01	0.186	0.95	0.81	1.11	5.33E-01	2.56E-01	0.259
rs8080960	1.06	1.00	1.11	2.28E-01	1.74E-01	0.370	1.04	0.94	1.14	4.82E-01	1.74E-01	0.370	1.00	0.92	1.10	9.25E-01	1.43E-01	0.443
rs11665347	0.94	0.88	1.00	6.64E-02	7.53E-01	0.000	0.94	0.88	1.00	6.64E-02	7.53E-01	0.000	0.96	0.87	1.07	4.99E-01	7.83E-01	0.000
rs17089382	1.14	1.04	1.25	5.39E-03	5.29E-03	0.764	1.12	0.90	1.40	3.24E-01	5.29E-03	0.764	0.98	0.86	1.11	7.08E-01	4.01E-01	0.000
rs12974139	0.89	0.84	0.94	6.17E-05	1.04E-02	0.697	0.90	0.80	1.02	1.09E-01	1.04E-02	0.697	0.96	0.88	1.04	3.02E-01	1.52E-01	0.432
rs10426443	1.05	0.97	1.14	2.20E-01	6.88E-01	0.000	1.05	0.97	1.14	2.20E-01	6.88E-01	0.000	1.06	0.94	1.19	3.51E-01	5.23E-01	0.000
rs10426377	1.06	1.00	1.12	4.42E-02	9.81E-01	0.000	1.06	1.00	1.12	4.42E-02	9.81E-01	0.000	1.06	0.99	1.14	9.15E-02	9.36E-01	0.000
rs1360400	1.05	0.98	1.11	1.66E-01	1.33E-01	0.434	1.04	0.93	1.15	5.08E-01	1.33E-01	0.434	1.04	0.95	1.15	3.91E-01	1.26E-01	0.465
rs17785899	0.99	0.90	1.08	7.60E-01	5.88E-01	0.000	0.99	0.90	1.08	7.60E-01	5.88E-01	0.000	1.05	0.91	1.21	4.91E-01	5.76E-01	0.000
rs4925370	0.96	0.91	1.02	1.94E-01	7.30E-02	0.533	0.97	0.88	1.07	5.67E-01	7.30E-02	0.533	1.00	0.92	1.08	9.31E-01	1.78E-01	0.389
rs3747081	1.03	0.94	1.12	5.39E-01	8.92E-01	0.000	1.03	0.94	1.12	5.39E-01	8.92E-01	0.000	1.06	0.92	1.24	2.89E-01	9.27E-01	0.000
rs7287616	0.88	0.82	0.95	7.41E-04	3.67E-01	0.069	0.89	0.82	0.96	2.57E-03	3.67E-01	0.069	0.94	0.85	1.05	2.64E-01	7.12E-01	0.000
rs5762347	1.18	1.10	1.25	3.26E-07	9.11E-01	0.000	1.18	1.10	1.25	3.26E-07	9.11E-01	0.000	1.15	1.05	1.25	1.90E-03	9.43E-01	0.000

Meta insilico_denovo_random						Meta THR_arcOGEN_insilico_denovo_fixed						Meta THR_arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.91	0.82	1.02	1.11E-01	8.32E-01	0.000	0.91	0.84	0.99	2.64E-02	6.81E-01	0.000	0.91	0.84	0.99	2.64E-02	6.81E-01	0.000
1.15	1.04	1.28	8.87E-03	2.10E-01	0.337	1.10	1.03	1.17	3.06E-03	9.24E-01	0.000	1.10	1.03	1.17	3.06E-03	9.24E-01	0.000
0.96	0.72	1.27	7.58E-01	1.81E-01	0.385	0.98	0.86	1.11	7.33E-01	5.76E-01	0.000	0.98	0.86	1.11	7.33E-01	5.76E-01	0.000
1.00	0.91	1.11	9.85E-01	7.46E-01	0.000	1.01	0.94	1.09	7.94E-01	6.44E-01	0.000	1.01	0.94	1.09	7.94E-01	6.44E-01	0.000
1.07	0.88	1.28	5.07E-01	6.50E-01	0.000	1.11	0.98	1.26	1.12E-01	6.12E-01	0.000	1.11	0.98	1.26	1.12E-01	6.12E-01	0.000
0.99	0.88	1.13	9.12E-01	3.63E-01	0.059	0.85	0.78	0.93	3.59E-04	7.41E-03	0.861	0.88	0.69	1.12	3.12E-01	7.41E-03	0.861
1.08	0.78	1.50	6.30E-01	1.56E-02	0.760	1.07	0.97	1.17	1.81E-01	5.96E-01	0.000	1.07	0.97	1.17	1.81E-01	5.96E-01	0.000
0.94	0.85	1.03	1.77E-01	7.97E-01	0.000	0.87	0.81	0.94	1.76E-04	9.56E-02	0.640	0.88	0.78	1.00	4.37E-02	9.56E-02	0.640
0.95	0.77	1.16	5.94E-01	4.40E-02	0.630	0.97	0.90	1.03	3.21E-01	6.41E-01	0.000	0.97	0.90	1.03	3.21E-01	6.41E-01	0.000
1.01	0.90	1.13	9.05E-01	6.06E-01	0.000	0.85	0.78	0.93	5.50E-04	1.44E-02	0.833	0.87	0.70	1.10	2.44E-01	1.44E-02	0.833
1.19	1.04	1.36	1.11E-02	3.84E-01	0.000	1.07	0.97	1.18	2.04E-01	1.02E-02	0.849	1.10	0.84	1.43	4.93E-01	1.02E-02	0.849
1.13	0.98	1.30	9.65E-02	2.51E-01	0.267	1.06	0.98	1.14	1.44E-01	1.85E-02	0.820	1.08	0.90	1.30	4.07E-01	1.85E-02	0.820
1.09	0.84	1.40	5.30E-01	1.67E-01	0.408	1.10	0.99	1.23	7.47E-02	1.50E-02	0.831	1.12	0.86	1.47	3.96E-01	1.50E-02	0.831
1.07	0.97	1.18	1.92E-01	2.81E-01	0.210	1.11	1.04	1.18	1.78E-03	6.84E-01	0.000	1.11	1.04	1.18	1.78E-03	6.84E-01	0.000
1.07	0.97	1.18	1.82E-01	2.77E-01	0.215	1.11	1.04	1.18	1.68E-03	6.75E-01	0.000	1.11	1.04	1.18	1.68E-03	6.75E-01	0.000
1.01	0.87	1.16	9.41E-01	2.04E-01	0.372	1.00	0.93	1.07	9.31E-01	4.12E-01	0.000	1.00	0.93	1.07	9.31E-01	4.12E-01	0.000
0.89	0.80	0.98	1.95E-02	3.82E-01	0.021	0.94	0.88	1.01	9.42E-02	7.39E-01	0.000	0.94	0.88	1.01	9.42E-02	7.39E-01	0.000
1.02	0.85	1.23	8.27E-01	9.58E-01	0.000	1.07	0.93	1.22	3.48E-01	6.98E-01	0.000	1.07	0.93	1.22	3.48E-01	6.98E-01	0.000
1.01	0.93	1.09	8.34E-01	8.59E-01	0.000	0.98	0.92	1.04	5.26E-01	3.36E-01	0.082	0.98	0.92	1.05	5.66E-01	3.36E-01	0.082
0.92	0.85	1.00	4.13E-02	6.56E-01	0.000	0.92	0.86	0.98	1.70E-02	6.53E-01	0.000	0.92	0.86	0.98	1.70E-02	6.53E-01	0.000
1.00	0.86	1.15	9.73E-01	9.53E-01	0.000	0.95	0.85	1.06	3.51E-01	3.35E-01	0.000	0.95	0.85	1.06	3.51E-01	3.35E-01	0.000
0.83	0.69	0.99	4.15E-02	8.54E-01	0.000	0.82	0.71	0.94	3.96E-03	5.14E-01	0.000	0.82	0.71	0.94	3.96E-03	5.14E-01	0.000
1.08	0.94	1.25	2.88E-01	8.76E-01	0.000	1.05	0.94	1.18	3.75E-01	7.81E-01	0.000	1.05	0.94	1.18	3.75E-01	7.81E-01	0.000
1.01	0.89	1.15	8.37E-01	2.67E-01	0.240	0.95	0.89	1.02	1.88E-01	7.60E-01	0.000	0.95	0.89	1.02	1.88E-01	7.60E-01	0.000
0.99	0.85	1.16	9.07E-01	1.04E-01	0.480	0.96	0.89	1.03	2.43E-01	5.35E-01	0.000	0.96	0.89	1.03	2.43E-01	5.35E-01	0.000
1.05	0.90	1.22	5.40E-01	1.74E-01	0.396	1.06	0.99	1.13	1.21E-01	6.13E-02	0.714	1.07	0.94	1.23	3.19E-01	6.13E-02	0.714
1.05	0.96	1.15	2.96E-01	5.44E-01	0.000	1.01	0.95	1.09	6.90E-01	1.00E+00	0.000	1.01	0.95	1.09	6.90E-01	1.00E+00	0.000
1.02	0.80	1.29	8.91E-01	1.67E-01	0.441	1.18	1.05	1.32	4.40E-03	3.54E-04	0.922	1.09	0.70	1.70	6.91E-01	3.54E-04	0.922
1.03	0.93	1.13	6.06E-01	3.51E-01	0.045	1.02	0.95	1.10	5.25E-01	4.24E-01	0.000	1.02	0.95	1.10	5.25E-01	4.24E-01	0.000
1.01	0.87	1.19	8.59E-01	2.39E-01	0.301	0.92	0.84	1.00	4.27E-02	4.43E-01	0.000	0.92	0.84	1.00	4.27E-02	4.43E-01	0.000
1.03	0.91	1.17	6.53E-01	9.43E-01	0.000	1.01	0.92	1.11	8.57E-01	9.16E-01	0.000	1.01	0.92	1.11	8.57E-01	9.16E-01	0.000
1.17	1.08	1.28	3.19E-04	4.87E-01	0.000	1.15	1.08	1.23	4.09E-05	5.14E-01	0.000	1.15	1.08	1.23	4.09E-05	5.14E-01	0.000
1.18	1.05	1.33	5.76E-03	5.84E-01	0.000	1.20	1.09	1.32	1.82E-04	4.65E-01	0.000	1.20	1.09	1.32	1.82E-04	4.65E-01	0.000
1.02	0.92	1.12	7.09E-01	4.46E-01	0.000	1.08	1.00	1.16	4.06E-02	9.27E-02	0.646	1.07	0.94	1.21	3.20E-01	9.27E-02	0.646
1.00	0.91	1.09	9.30E-01	4.69E-01	0.000	1.00	0.94	1.08	9.14E-01	6.13E-01	0.000	1.00	0.94	1.08	9.14E-01	6.13E-01	0.000
0.96	0.85	1.09	5.33E-01	4.28E-01	0.000	1.12	1.02	1.23	1.74E-02	1.49E-01	0.519	1.10	0.96	1.27	1.65E-01	1.49E-01	0.519
1.05	0.95	1.18	3.36E-01	7.98E-01	0.000	1.08	1.00	1.17	5.69E-02	6.90E-01	0.000	1.08	1.00	1.17	5.69E-02	6.90E-01	0.000
1.05	0.95	1.17	3.25E-01	7.00E-01	0.000	0.93	0.85	1.00	5.67E-02	1.14E-03	0.906	0.95	0.73	1.23	6.82E-01	1.14E-03	0.906
0.94	0.68	1.31	7.27E-01	4.41E-01	0.000	0.67	0.55	0.82	7.26E-05	1.00E+00	nan	0.67	0.55	0.82	7.26E-05	1.00E+00	nan
0.96	0.87	1.06	4.33E-01	7.77E-01	0.000	1.00	0.93	1.08	9.29E-01	3.08E-01	0.038	1.00	0.93	1.08	9.40E-01	3.08E-01	0.038
1.05	0.91	1.20	5.30E-01	3.00E-01	0.180	1.12	1.02	1.22	2.07E-02	3.23E-01	0.116	1.11	1.01	1.23	3.44E-02	3.23E-01	0.116
1.04	0.93	1.16	4.70E-01	4.11E-01	0.000	1.11	1.02	1.21	1.82E-02	1.40E-01	0.492	1.11	0.97	1.26	1.30E-01	1.40E-01	0.492
0.93	0.83	1.04	1.93E-01	5.68E-01	0.000	1.03	0.95	1.12	4.42E-01	5.15E-03	0.872	1.00	0.78	1.27	9.77E-01	5.15E-03	0.872
0.87	0.69	1.10	2.45E-01	8.03E-03	0.746	0.96	0.89	1.04	3.57E-01	2.60E-02	0.726	0.92	0.78	1.09	3.61E-01	2.60E-02	0.726
0.96	0.86	1.08	5.26E-01	8.69E-01	0.000	0.92	0.84	1.00	4.13E-02	2.88E-01	0.114	0.92	0.84	1.00	6.10E-02	2.88E-01	0.114
0.96	0.85	1.09	5.35E-01	8.10E-01	0.000	1.02	0.93	1.12	6.62E-01	1.12E-01	0.604	1.01	0.87	1.17	8.95E-01	1.12E-01	0.604
1.03	0.95	1.13	4.64E-01	5.85E-01	0.000	1.04	0.97	1.12	2.75E-01	6.65E-01	0.000	1.04	0.97	1.12	2.75E-01	6.65E-01	0.000
1.08	0.95	1.22	2.49E-01	9.71E-01	0.000	1.06	0.97	1.17	2.19E-01	7.26E-01	0.000	1.06	0.97	1.17	2.19E-01	7.26E-01	0.000
0.99	0.88	1.10	7.96E-01	5.28E-01	0.000	0.94	0.87	1.03	1.72E-01	9.55E-01	0.000	0.94	0.87	1.03	1.72E-01	9.55E-01	0.000
0.99	0.83	1.17	8.83E-01	4.35E-01	0.000	1.01	0.90	1.14	8.22E-01	5.61E-01	0.000	1.01	0.90	1.14	8.22E-01	5.61E-01	0.000
0.97	0.84	1.11	6.49E-01	2.12E-01	0.355	1.07	0.99	1.14	8.01E-02	4.46E-03	0.876	1.04	0.84	1.28	7.13E-01	4.46E-03	0.876
1.02	0.85	1.23	8.30E-01	8.83E-02	0.541	0.88	0.82	0.95	4.88E-04	9.72E-01	0.000	0.88	0.82	0.95	4.88E-04	9.72E-01	0.000
1.13	0.97	1.32	1.20E-01	4.96E-01	0.000	1.16	1.03	1.30	1.70E-02	5.14E-01	0.000	1.16	1.03	1.30	1.70E-02	5.14E-01	0.000
0.98	0.89	1.08	6.91E-01	6.53E-01	0.000	0.97	0.90	1.04	3.24E-01	4.09E-01	0.000	0.97	0.90	1.04	3.24E-01	4.09E-01	0.000
0.99	0.91	1.08	7.93E-01	3.84E-01	0.000	1.02	0.95	1.08	6.58E-01	2.79E-01	0.146	1.01	0.94	1.09	7.02E-01	2.79E-01	0.146
0.94	0.85	1.05	2.80E-01	8.98E-01	0.000	1.10	1.02	1.19	1.91E-02	3.14E-03	0.885	1.07	0.84	1.36	5.81E-01	3.14E-03	0.885
0.92	0.84	1.01	8.45E-02	8.10E-01	0.000	0.96	0.89	1.03	2.36E-01	5.61E-01	0.000	0.96	0.89	1.03	2.36E-01	5.61E-01	0.000
0.98	0.91	1.06	6.76E-01	8.32E-01	0.000	1.03	0.97	1.10	3.21E-01	5.81E-01	0.000	1.03	0.97	1.10	3.21E-01	5.81E-01	0.000
0.95	0.87	1.04	3.01E-01	4.90E-01	0.000	1.01	0.94	1.09	7.12E-01	4.19E-01	0.000	1.01	0.94	1.09	7.12E-01	4.19E-01	0.000
1.10	1.00	1.21	5.11E-02	4.08E-01	0.000	1.01	0.94	1.08	8.43E-01	4.83E-03	0.874	1.03	0.84	1.26	7.60E-01	4.83E-03	0.874
1.03	0.93	1.15	5.42E-01	7.93E-01	0.000	1.02	0.94	1.10	6.13E-01	5.27E-01	0.000	1.02	0.94	1.10	6.13E-01	5.27E-01	0.000
1.12	0.96	1.31	1.44E-01	7.00E-01	0.000	0.91	0.80	1.04	1.50E-01	2.53E-02	0.728	0.94	0.72	1.22	6.48E-01	2.53E-02	0.728
0.94	0.82	1.07	3.37E-01	5.15E-01	0.000	0.95	0.87	1.05	3.16E-01	9.49E-01	0.000	0.95	0.87	1.05	3.16E-01	9.49E-01	0.000
0.98	0.89	1.07	6.39E-01	9.88E-01	0.000	0.98	0.91	1.05	5.34E-01	9.20E-01	0.000	0.98	0.91	1.05	5.34E-01	9.20E-01	0.000
1.02	0.89	1.17	7.27E-01	8.23E-01	0.000	1.12	1.02	1.24	1.90E-02	6.61E-02	0.704	1.11	0.92	1.33	2.69E-01	6.61E-02	0.704
0.93	0.77	1.13	4.85E-01	6.49E-02	0.634	1.09	1.02	1.17	1.34E-02	6.07E-01	0.000	1.09	1.02	1.17	1.34E-02	6.07E-01	0.000
1.10	0.87	1.40	4.17E-01	5.27E-02	0.660	0.98	0.90	1.07	7.19E-01	4.65E-01	0.000	0.98	0.90	1.07	7.19E-01	4.65E-01	0.000
1.03	0.90	1.17	6.62E-01	2.49E-01	0.259	0.98	0.90	1.06	6.08E-01	3.25E-01	0.110	0.98	0.90	1.07	6.18E-01	3.25E-01	0.110
1.02	0.91	1.16	7.02E-01	9.80E-01	0.000	1.21	1.10	1.32	3.80E-05	1.03E-02	0.848	1.16	0.91	1.48	2.22E-01	1.03E-02	0.848
0.89	0.80	1.00	4.28E-02	5.82E-01	0.000	0.94	0.87	1.01	1.05E-01	1.40E-01	0.541	0.93	0.82	1.05	2.21E-01	1.40E-01	0.541
1.15	0.97	1.36	1.16E-01	6.68E-02	0.545	1.18	1.09	1.28	2.52E-05	1.82E-01	0.413	1.18	1.06	1.31	2.75E-03	1.82E-01	0.413
1.03	0.92	1.15	6.02E-01	9.02E-01	0.000	1.04	0.96	1.13	3.78E-01	8.51E-01	0.000	1.04	0.96	1.13	3.78E-01	8.51E-01	0.000
1.05	0.92	1.20	4.60E-01	4.08E-01	0.000	1.17	1.06	1.28	2.05E-03	6.87E-02	0.698	1.14	0.94	1.37	1.83E-01	6.87E-02	0.698
0.91	0.81	1.03	1.25E-01	9.01E-01	0.000	0.94	0.86	1.02	1.35E-01	6.11E-01	0.000	0.94	0.86	1.02	1.35E-01	6.11E-01	0.000
1.09	0.96	1.23	1.71E-01	1.53E-01	0.403	1.14	1.07	1.22	4.92E-05	3.46E-01	0.057	1.14	1.07	1.22	9.64E-05	3.46E-01	0.057
1.04	0.94	1.15	5.01E-01	8.25E-01	0.000	1.09	1.01	1.18	2.45E-02	2.93E-01	0.094	1.09	1.01	1.19	3.36E-02	2.93E-01	0.094
1.05	0.95	1.15	3.47E-01	7.72E-01	0.000	0.92	0.86	0.99	2.74E-02	1.08E-02	0.846	0.94	0.78	1.14	5.28E-01	1.08E-02	0.846
1.02	0.89	1.17	7.59E-01	6.19E-01	0.000	1.14	1.04	1.26	6.92E-03	1.90E-01	0.417	1.14	1.00	1.30	5.35E-02	1.90E-01	0.417
0.91	0.78	1.07	2.68E-01	1.43E-01	0.486	1.10	1.02	1.17	8.10E-03	1.42E-02	0.834	1.08	0.91	1.28	3.77E-01	1.42E-02	0.834
0.97	0.89	1.07	5.78E-01	4.92E-01	0.000	0.98	0.92	1.05	6.04E-01	8.31E-01	0.000	0.98	0.92	1.05	6.04E-01	8.31E-01	0.000
0.88	0.81	0.96	3.99E-03	3.15E-01	0.154	0.90	0.85	0.95	4.41E-04	6.02E-01	0.000	0.90	0.85	0.95	4.41E-04	6.02E-01	0.000
0.97	0.88	1.07	5.31E-01	4.04E-01	0.000	1.05	0.98	1.13	1.27E-01	2.45E-01	0.259	1.05	0.97	1.14	2.22E-01	2.45E-01	0.259
1.07	0.95	1.21	2.41E-01	3.01E-01	0.168	1.05	0.98	1.13	1.54E-01	1.04E-01	0.621	1.06	0.94	1.20	3.14E-01	1.04E-01	0.621
1.04	0.94	1.14	4.66E-01	6.52E-01	0.000	0.91	0.84	0.97	7.79E-03	4.96E-04	0.918	0.93	0.72	1.20	5.91E-01	4.96E-04	0.918
1.06	0.98	1.16	1.68E-01	3.67E-01	0.070	0.98	0.92	1.05	6.10E-01	1.13E-01	0.541	0.99	0.90	1.09	8.56E-01	1.13E-01	0.541
1.03	0.93	1.13	5.96E-01	5.54E-01	0.000	1.08	1.01	1.16	3.18E-02	2.21E-01	0.333	1.08	0.99	1.18	1.02E-01	2.21E-01	0.333
1.03	0.91	1.16	6.88E-01	3.77E-01	0.030	0.98	0.90	1.07	6.20E-01	8.09E-02	0.672	1.00	0.85	1.17	9.51E-01	8.09E-02	0.672
0.91	0.74	1.13	4.01E-01	2.56E-01	0.259	1.06	0.95	1.18	3.30E-01	9.75E-01	0.000	1.06	0.95	1.18	3.30E-01	9.75E-01	0.000
1.02	0.87	1.19	8.27E-01	1.45E-01	0.443	1.03	0.96	1.10	4.01E-01	2.74E-01	0.166	1.03	0.95	1.11	4.76E-01	2.74E-01	0.166
0.96	0.87	1.07	4.98E-01	7.10E-01	0.000	0.92	0.86	1.00	3.92E-02	7.79E-01	0.000	0.92	0.86	1.00	3.92E-02	7.79E-01	0.000
0.98	0.86	1.11	7.08E-01	4.01E-01	0.000	1.14	1.03	1.25	1.23E-02	4.84E-04	0.918	1.11	0.78	1.57	5.72E-01	4.84E-04	0.918
0.95	0.84	1.06	3.52E-01	1.52E-01	0.432	0.89	0.83	0.95	3.19E-04	5.30E-03	0.809	0.90	0.77	1.06	2.00E-01	5.30E-03	0.809
1.06	0.94	1.19	3.51E-01	5.23E-01	0.000	1.06	0.97	1.16	1.80E-01	9.18E-01	0.000	1.06	0.97	1.16	1.80E-01	9.18E-01	0.000
1.06	0.99	1.13	9.14E-02	9.15E-01	0.000	1.06	1.00	1.12	6.02E-02	8.39E-01	0.000	1.06	1.00	1.12	6.02E-02	8.39E-01	0.000
1.08	0.89	1.31	4.49E-01	7.00E-02	0.575	1.02	0.96	1.10	4.96E-01	6.98E-01	0.000	1.02	0.96	1.10	4.96E-01	6.98E-01	0.000
1.05	0.91	1.21	4.91E-01	5.76E-01	0.000	0.96	0.87	1.07	4.69E-01	4.25E-01	0.000	0.96	0.87	1.07	4.69E-01	4.25E-01	0.000
1.01	0.90	1.12	9.28E-01	1.78E-01	0.389	0.95	0.89	1.01	1.20E-01	1.15E-01	0.538	0.96	0.87	1.06	3.89E-01	1.15E-01	0.538
1.08	0.94	1.24	2.89E-01	9.27E-01	0.000	1.04	0.94	1.16	4.54E-01	4.33E-01	0.000	1.04	0.94	1.16	4.54E-01	4.33E-01	0.000
0.94	0.85	1.05	2.64E-01	7.12E-01	0.000	0.87	0.80	0.94	5.32E-04	1.04E-01	0.622	0.88	0.77	1.00	4.88E-02	1.04E-01	0.622
1.15	1.05	1.25	1.90E-03	9.43E-01	0.000	1.20	1.12	1.28	1.03E-07	6.05E-01	0.000	1.20	1.12	1.28	1.03E-07	6.05E-01	0.000

Meta THR_insilico_denovo_fixed						Meta THR_insilico_denovo_random						Meta HIP+ arcOGEN_insilico_denovo_fixed					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.93	0.81	1.06	2.79E-01	1.00E+00	nan	0.93	0.81	1.06	2.79E-01	1.00E+00	nan	0.91	0.84	0.98	9.84E-03	9.25E-01	0.000
1.09	1.00	1.19	6.19E-02	7.88E-01	0.000	1.09	1.00	1.19	6.19E-02	7.88E-01	0.000	1.13	1.07	1.19	1.72E-05	3.63E-01	0.077
0.93	0.75	1.15	5.14E-01	1.00E+00	nan	0.93	0.75	1.15	5.14E-01	1.00E+00	nan	1.01	0.90	1.13	8.97E-01	2.49E-01	0.259
1.03	0.92	1.17	6.00E-01	1.00E+00	nan	1.03	0.92	1.17	6.00E-01	1.00E+00	nan	0.98	0.92	1.05	5.85E-01	8.30E-01	0.000
1.05	0.82	1.34	6.90E-01	1.00E+00	nan	1.05	0.82	1.34	6.90E-01	1.00E+00	nan	1.12	1.01	1.25	4.02E-02	7.15E-01	0.000
1.00	0.87	1.16	9.57E-01	1.00E+00	nan	1.00	0.87	1.16	9.57E-01	1.00E+00	nan	0.88	0.82	0.95	7.46E-04	2.94E-02	0.628
1.10	0.95	1.27	2.11E-01	1.00E+00	nan	1.10	0.95	1.27	2.11E-01	1.00E+00	nan	1.06	0.97	1.15	1.75E-01	3.99E-02	0.639
0.95	0.84	1.06	3.37E-01	1.00E+00	nan	0.95	0.84	1.06	3.37E-01	1.00E+00	nan	0.90	0.84	0.95	4.44E-04	6.38E-01	0.000
0.95	0.84	1.06	3.32E-01	1.00E+00	nan	0.95	0.84	1.06	3.32E-01	1.00E+00	nan	0.97	0.91	1.03	2.53E-01	8.01E-02	0.520
0.99	0.85	1.14	8.50E-01	1.00E+00	nan	0.99	0.85	1.14	8.50E-01	1.00E+00	nan	0.88	0.81	0.95	1.08E-03	2.23E-02	0.650
1.26	1.07	1.49	5.01E-03	1.00E+00	0.000	1.26	1.07	1.49	5.01E-03	1.00E+00	0.000	1.03	0.94	1.13	5.22E-01	1.98E-02	0.696
1.19	1.05	1.35	5.78E-03	1.00E+00	nan	1.19	1.05	1.35	5.78E-03	1.00E+00	nan	1.04	0.98	1.12	1.86E-01	6.01E-02	0.558
1.29	1.09	1.52	2.65E-03	1.00E+00	nan	1.29	1.09	1.52	2.65E-03	1.00E+00	nan	1.10	1.00	1.21	5.21E-02	1.65E-01	0.385
1.07	0.98	1.18	1.32E-01	9.85E-01	0.000	1.07	0.98	1.18	1.32E-01	9.85E-01	0.000	1.10	1.04	1.16	1.04E-03	2.11E-01	0.299
1.08	0.98	1.18	1.26E-01	8.10E-01	0.000	1.08	0.98	1.18	1.26E-01	8.10E-01	0.000	1.10	1.04	1.16	1.11E-03	2.28E-01	0.276
0.96	0.85	1.08	4.79E-01	1.00E+00	nan	0.96	0.85	1.08	4.79E-01	1.00E+00	nan	1.00	0.94	1.07	8.85E-01	3.58E-01	0.071
0.93	0.82	1.04	2.01E-01	1.00E+00	nan	0.93	0.82	1.04	2.01E-01	1.00E+00	nan	0.92	0.86	0.97	5.71E-03	4.58E-01	0.000
1.03	0.83	1.29	7.87E-01	1.00E+00	0.000	1.03	0.83	1.29	7.87E-01	1.00E+00	0.000	1.04	0.93	1.18	4.79E-01	9.78E-01	0.000
1.02	0.93	1.11	7.13E-01	3.28E-01	0.000	1.02	0.93	1.11	7.13E-01	3.28E-01	0.000	1.00	0.95	1.06	9.90E-01	9.32E-01	0.000
0.91	0.84	0.99	2.55E-02	1.00E+00	nan	0.91	0.84	0.99	2.55E-02	1.00E+00	nan	0.94	0.88	1.00	6.69E-02	6.32E-01	0.000
1.02	0.85	1.21	8.60E-01	1.00E+00	nan	1.02	0.85	1.21	8.60E-01	1.00E+00	nan	0.94	0.86	1.04	2.31E-01	8.47E-01	0.000
0.86	0.69	1.08	1.91E-01	1.00E+00	nan	0.86	0.69	1.08	1.91E-01	1.00E+00	nan	0.80	0.71	0.90	3.34E-04	9.12E-01	0.000
1.07	0.90	1.28	4.33E-01	1.00E+00	nan	1.07	0.90	1.28	4.33E-01	1.00E+00	nan	1.10	1.00	1.21	6.12E-02	9.55E-01	0.000
0.94	0.84	1.06	2.93E-01	1.00E+00	nan	0.94	0.84	1.06	2.93E-01	1.00E+00	nan	0.98	0.92	1.05	5.88E-01	3.92E-01	0.026
0.94	0.84	1.05	2.90E-01	2.89E-01	0.109	0.94	0.84	1.06	3.37E-01	2.89E-01	0.109	0.96	0.90	1.03	2.27E-01	1.75E-01	0.349
1.15	1.03	1.30	1.52E-02	1.00E+00	nan	1.15	1.03	1.30	1.52E-02	1.00E+00	nan	1.04	0.98	1.10	2.09E-01	1.42E-01	0.419
1.01	0.91	1.13	8.09E-01	1.00E+00	nan	1.01	0.91	1.13	8.09E-01	1.00E+00	nan	1.02	0.96	1.09	4.83E-01	6.03E-01	0.000
0.87	0.71	1.06	1.73E-01	1.00E+00	nan	0.87	0.71	1.06	1.73E-01	1.00E+00	nan	1.15	1.04	1.28	4.86E-03	1.17E-02	0.727
1.06	0.95	1.19	3.07E-01	1.00E+00	0.000	1.06	0.95	1.19	3.07E-01	1.00E+00	0.000	1.00	0.94	1.06	9.02E-01	4.12E-01	0.000
0.94	0.84	1.05	3.05E-01	1.00E+00	nan	0.94	0.84	1.05	3.05E-01	1.00E+00	nan	0.95	0.88	1.02	1.63E-01	2.51E-01	0.268
1.00	0.85	1.18	9.81E-01	1.00E+00	nan	1.00	0.85	1.18	9.81E-01	1.00E+00	nan	1.02	0.94	1.11	6.51E-01	9.80E-01	0.000
1.14	1.03	1.26	8.87E-03	2.59E-01	0.216	1.15	1.02	1.29	1.91E-02	2.59E-01	0.216	1.16	1.09	1.23	1.38E-06	6.46E-01	0.000
1.13	0.98	1.30	9.66E-02	6.87E-01	0.000	1.13	0.98	1.30	9.66E-02	6.87E-01	0.000	1.21	1.11	1.32	6.95E-06	6.73E-01	0.000
0.99	0.88	1.12	9.08E-01	1.00E+00	nan	0.99	0.88	1.12	9.08E-01	1.00E+00	nan	1.06	1.00	1.13	6.78E-02	4.35E-01	0.000
0.99	0.90	1.10	8.91E-01	3.43E-01	0.000	0.99	0.90	1.10	8.91E-01	3.43E-01	0.000	1.01	0.95	1.07	8.71E-01	6.08E-01	0.000
1.02	0.86	1.19	8.56E-01	1.00E+00	nan	1.02	0.86	1.19	8.56E-01	1.00E+00	nan	1.10	1.01	1.19	2.08E-02	4.04E-02	0.600
1.06	0.93	1.21	4.02E-01	1.00E+00	nan	1.06	0.93	1.21	4.02E-01	1.00E+00	nan	1.09	1.01	1.17	1.82E-02	8.07E-01	0.000
1.09	0.96	1.23	1.99E-01	1.00E+00	nan	1.09	0.96	1.23	1.99E-01	1.00E+00	nan	0.94	0.88	1.01	8.91E-02	3.11E-02	0.662
0.70	0.60	0.83	1.70E-05	9.25E-02	0.580	0.76	0.55	1.06	1.07E-01	9.25E-02	0.580	0.94	0.68	1.31	7.27E-01	4.41E-01	0.000
0.95	0.85	1.08	4.42E-01	1.00E+00	nan	0.95	0.85	1.08	4.42E-01	1.00E+00	nan	0.99	0.93	1.06	7.91E-01	7.84E-01	0.000
1.10	0.95	1.27	1.89E-01	1.39E-01	0.544	1.11	0.90	1.36	3.51E-01	1.39E-01	0.544	1.14	1.05	1.23	1.78E-03	1.42E-01	0.395
1.07	0.94	1.22	3.28E-01	6.69E-02	0.702	1.08	0.85	1.38	5.25E-01	6.69E-02	0.702	1.13	1.05	1.22	1.10E-03	1.13E-01	0.465
0.87	0.76	1.01	6.63E-02	1.00E+00	nan	0.87	0.76	1.01	6.63E-02	1.00E+00	nan	1.05	0.98	1.13	1.98E-01	5.06E-02	0.577
0.90	0.80	1.02	1.01E-01	2.01E-02	0.815	0.86	0.64	1.17	3.42E-01	2.01E-02	0.815	0.94	0.88	1.01	9.15E-02	5.45E-03	0.727
0.97	0.85	1.12	6.99E-01	1.00E+00	nan	0.97	0.85	1.12	6.99E-01	1.00E+00	nan	0.93	0.86	1.00	5.04E-02	8.37E-01	0.000
0.93	0.81	1.08	3.31E-01	1.00E+00	nan	0.93	0.81	1.08	3.31E-01	1.00E+00	nan	1.01	0.93	1.09	8.46E-01	7.41E-01	0.000
1.02	0.92	1.13	7.42E-01	5.01E-01	0.000	1.02	0.92	1.13	7.42E-01	5.01E-01	0.000	1.04	0.97	1.11	2.63E-01	7.40E-01	0.000
1.08	0.93	1.26	2.99E-01	1.00E+00	nan	1.08	0.93	1.26	2.99E-01	1.00E+00	nan	1.05	0.97	1.14	2.43E-01	9.74E-01	0.000
0.95	0.83	1.08	4.23E-01	1.00E+00	nan	0.95	0.83	1.08	4.23E-01	1.00E+00	nan	0.97	0.90	1.04	3.92E-01	6.97E-01	0.000
0.97	0.79	1.18	7.36E-01	1.00E+00	nan	0.97	0.79	1.18	7.36E-01	1.00E+00	nan	1.02	0.92	1.14	6.66E-01	5.55E-01	0.000
0.93	0.83	1.05	2.34E-01	1.00E+00	nan	0.93	0.83	1.05	2.34E-01	1.00E+00	nan	1.06	0.99	1.13	7.59E-02	2.34E-02	0.684
0.88	0.78	1.00	4.14E-02	1.00E+00	nan	0.88	0.78	1.00	4.14E-02	1.00E+00	nan	0.93	0.87	0.99	2.10E-02	1.11E-01	0.467
1.22	1.01	1.47	4.43E-02	1.00E+00	nan	1.22	1.01	1.47	4.43E-02	1.00E+00	nan	1.14	1.02	1.26	1.60E-02	6.64E-01	0.000
1.00	0.90	1.12	9.86E-01	1.00E+00	nan	1.00	0.90	1.12	9.86E-01	1.00E+00	nan	0.97	0.91	1.03	3.02E-01	7.78E-01	0.000
0.97	0.88	1.08	5.88E-01	1.00E+00	nan	0.97	0.88	1.08	5.88E-01	1.00E+00	nan	1.01	0.95	1.07	8.18E-01	5.24E-01	0.000
0.94	0.83	1.07	3.72E-01	1.00E+00	nan	0.94	0.83	1.07	3.72E-01	1.00E+00	nan	1.06	0.99	1.14	8.54E-02	5.67E-02	0.564
0.93	0.83	1.05	2.39E-01	1.00E+00	nan	0.93	0.83	1.05	2.39E-01	1.00E+00	nan	0.95	0.89	1.01	9.55E-02	7.95E-01	0.000
1.00	0.91	1.09	9.49E-01	8.39E-01	0.000	1.00	0.91	1.09	9.49E-01	8.39E-01	0.000	1.02	0.96	1.07	5.66E-01	7.69E-01	0.000
0.99	0.89	1.10	8.47E-01	2.43E-01	0.266	0.99	0.88	1.13	9.36E-01	2.43E-01	0.266	0.98	0.92	1.04	4.99E-01	6.08E-01	0.000
1.15	1.02	1.29	1.80E-02	1.00E+00	nan	1.15	1.02	1.29	1.80E-02	1.00E+00	nan	0.99	0.93	1.06	8.21E-01	2.53E-02	0.678
1.05	0.93	1.20	4.18E-01	1.00E+00	nan	1.05	0.93	1.20	4.18E-01	1.00E+00	nan	1.01	0.94	1.08	8.71E-01	8.25E-01	0.000
1.08	0.90	1.30	4.08E-01	3.94E-01	0.000	1.08	0.90	1.30	4.08E-01	3.94E-01	0.000	0.95	0.85	1.07	4.06E-01	6.84E-02	0.512
0.96	0.81	1.13	5.95E-01	1.00E+00	nan	0.96	0.81	1.13	5.95E-01	1.00E+00	nan	0.94	0.86	1.02	1.21E-01	6.83E-01	0.000
0.98	0.88	1.10	7.64E-01	1.00E+00	nan	0.98	0.88	1.10	7.64E-01	1.00E+00	nan	0.98	0.92	1.04	4.12E-01	9.98E-01	0.000
1.00	0.86	1.17	9.60E-01	1.00E+00	nan	1.00	0.86	1.17	9.60E-01	1.00E+00	nan	1.14	1.04	1.24	4.52E-03	2.33E-01	0.298
1.07	0.95	1.20	2.90E-01	1.00E+00	nan	1.07	0.95	1.20	2.90E-01	1.00E+00	nan	1.04	0.98	1.10	2.37E-01	7.86E-02	0.559
0.94	0.81	1.09	4.23E-01	1.00E+00	nan	0.94	0.81	1.09	4.23E-01	1.00E+00	nan	1.03	0.96	1.12	3.81E-01	1.13E-01	0.498
0.98	0.88	1.11	7.90E-01	1.35E-01	0.552	0.97	0.81	1.16	7.27E-01	1.35E-01	0.552	0.99	0.93	1.07	8.57E-01	2.70E-01	0.217
1.02	0.87	1.19	7.93E-01	1.00E+00	nan	1.02	0.87	1.19	7.93E-01	1.00E+00	nan	1.16	1.08	1.26	1.57E-04	8.18E-02	0.553
0.86	0.76	0.99	3.19E-02	1.00E+00	nan	0.86	0.76	0.99	3.19E-02	1.00E+00	nan	0.95	0.89	1.02	1.71E-01	3.44E-01	0.097
1.12	1.00	1.26	4.64E-02	1.65E-01	0.480	1.13	0.96	1.33	1.27E-01	1.65E-01	0.480	1.14	1.07	1.22	1.41E-04	1.09E-01	0.445
1.03	0.90	1.18	7.02E-01	1.00E+00	nan	1.03	0.90	1.18	7.02E-01	1.00E+00	nan	1.02	0.95	1.09	6.20E-01	9.58E-01	0.000
1.02	0.86	1.21	8.14E-01	1.00E+00	nan	1.02	0.86	1.21	8.14E-01	1.00E+00	nan	1.15	1.06	1.25	9.67E-04	2.11E-01	0.315
0.91	0.78	1.06	2.08E-01	1.00E+00	0.000	0.91	0.78	1.06	2.08E-01	1.00E+00	0.000	0.96	0.89	1.04	2.95E-01	6.88E-01	0.000
1.15	1.05	1.27	3.18E-03	1.50E-01	0.516	1.14	0.99	1.31	7.00E-02	1.50E-01	0.516	1.10	1.04	1.16	1.22E-03	2.05E-01	0.308
1.04	0.93	1.18	4.92E-01	1.00E+00	nan	1.04	0.93	1.18	4.92E-01	1.00E+00	nan	1.08	1.01	1.16	2.45E-02	6.72E-01	0.000
1.04	0.93	1.17	5.12E-01	1.00E+00	nan	1.04	0.93	1.17	5.12E-01	1.00E+00	nan	0.95	0.89	1.01	1.02E-01	5.18E-02	0.612
1.05	0.90	1.23	5.14E-01	1.00E+00	0.000	1.05	0.90	1.23	5.14E-01	1.00E+00	0.000	1.12	1.03	1.22	1.10E-02	2.85E-01	0.203
0.99	0.89	1.10	8.10E-01	1.00E+00	nan	0.99	0.89	1.10	8.10E-01	1.00E+00	nan	1.05	0.99	1.11	1.41E-01	3.93E-03	0.775
0.97	0.87	1.09	6.30E-01	1.00E+00	0.000	0.97	0.87	1.09	6.30E-01	1.00E+00	0.000	0.99	0.93	1.05	7.15E-01	6.29E-01	0.000
0.88	0.81	0.95	1.10E-03	8.54E-01	0.000	0.88	0.81	0.95	1.10E-03	8.54E-01	0.000	0.90	0.85	0.95	7.96E-05	3.63E-01	0.076
1.00	0.89	1.12	1.00E+00	1.00E+00	nan	1.00	0.89	1.12	1.00E+00	1.00E+00	nan	1.03	0.97	1.09	3.64E-01	2.28E-01	0.307
1.14	1.01	1.28	3.10E-02	1.00E+00	nan	1.14	1.01	1.28	3.10E-02	1.00E+00	nan	1.05	0.98	1.12	1.37E-01	3.73E-01	0.039
1.07	0.95	1.20	2.84E-01	1.00E+00	nan	1.07	0.95	1.20	2.84E-01	1.00E+00	nan	0.91	0.86	0.97	4.80E-03	5.71E-03	0.761
1.04	0.95	1.14	3.83E-01	2.17E-01	0.343	1.04	0.92	1.16	5.57E-01	2.17E-01	0.343	1.00	0.95	1.06	9.47E-01	1.34E-01	0.408
1.02	0.91	1.15	7.31E-01	1.00E+00	nan	1.02	0.91	1.15	7.31E-01	1.00E+00	nan	1.08	1.01	1.15	1.87E-02	3.97E-01	0.000
1.09	0.94	1.26	2.62E-01	1.00E+00	nan	1.09	0.94	1.26	2.62E-01	1.00E+00	nan	0.97	0.90	1.05	4.25E-01	3.18E-01	0.151
1.06	0.87	1.29	5.65E-01	1.00E+00	0.000	1.06	0.82	1.38	6.67E-01	1.00E+00	0.000	1.00	0.91	1.11	9.51E-01	3.12E-01	0.160
0.98	0.87	1.10	7.17E-01	1.00E+00	nan	0.98	0.87	1.10	7.17E-01	1.00E+00	nan	1.03	0.97	1.09	3.98E-01	2.18E-01	0.305
0.94	0.83	1.06	3.16E-01	1.00E+00	nan	0.94	0.83	1.06	3.16E-01	1.00E+00	nan	0.93	0.87	1.00	4.53E-02	7.31E-01	0.000
0.92	0.79	1.08	3.05E-01	1.00E+00	nan	0.92	0.79	1.08	3.05E-01	1.00E+00	nan	1.14	1.04	1.24	3.81E-03	6.58E-03	0.755
0.98	0.89	1.07	6.44E-01	1.09E-01	0.612	0.96	0.82	1.13	6.37E-01	1.09E-01	0.612	0.90	0.85	0.95	1.27E-04	1.61E-02	0.672
1.06	0.92	1.22	4.58E-01	1.00E+00	nan	1.06	0.92	1.22	4.58E-01	1.00E+00	nan	1.04	0.97	1.13	2.85E-01	6.75E-01	0.000
1.06	0.99	1.14	9.95E-02	1.00E+00	nan	1.06	0.99	1.14	9.95E-02	1.00E+00	nan	1.05	1.00	1.11	4.93E-02	9.77E-01	0.000
1.01	0.90	1.13	9.19E-01	1.00E+00	nan	1.01	0.90	1.13	9.19E-01	1.00E+00	nan	1.01	0.95	1.08	6.58E-01	1.29E-01	0.439
1.01	0.86	1.20	8.70E-01	1.00E+00	nan	1.01	0.86	1.20	8.70E-01	1.00E+00	nan	0.99	0.90	1.09	8.70E-01	5.40E-01	0.000
1.01	0.92	1.11	8.65E-01	2.33E-01	0.297	1.00	0.90	1.12	9.69E-01	2.33E-01	0.297	0.96	0.91	1.02	1.72E-01	7.98E-02	0.520
1.10	0.93	1.31	2.81E-01	1.00E+00	nan	1.10	0.93	1.31	2.81E-01	1.00E+00	nan	1.03	0.94	1.13	5.39E-01	8.75E-01	0.000
0.94	0.83	1.07	3.50E-01	1.00E+00	nan	0.94	0.83	1.07	3.50E-01	1.00E+00	nan	0.89	0.83	0.95	9.14E-04	4.65E-01	0.000
1.16	1.05	1.28	3.19E-03	6.56E-01	0.000	1.16	1.05	1.28	3.19E-03	6.56E-01	0.000	1.15	1.09	1.22	2.96E-06	9.72E-01	0.000

Meta HIP+ arcOGEN_insilico_denovo_random						Meta HIP+ insilico_denovo_fixed						Meta HIP+ insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.91	0.84	0.98	9.84E-03	9.25E-01	0.000	0.91	0.82	1.02	1.11E-01	8.32E-01	0.000	0.91	0.82	1.02	1.11E-01	8.32E-01	0.000
1.13	1.07	1.20	5.02E-05	3.63E-01	0.077	1.14	1.06	1.23	7.30E-04	2.43E-01	0.281	1.15	1.05	1.27	4.06E-03	2.43E-01	0.281
1.00	0.86	1.16	9.79E-01	2.49E-01	0.259	0.96	0.81	1.14	6.40E-01	1.81E-01	0.385	0.96	0.72	1.27	7.58E-01	1.81E-01	0.385
0.98	0.92	1.05	5.85E-01	8.30E-01	0.000	1.00	0.91	1.11	9.85E-01	7.46E-01	0.000	1.00	0.91	1.11	9.85E-01	7.46E-01	0.000
1.12	1.01	1.25	4.02E-02	7.15E-01	0.000	1.07	0.88	1.28	5.07E-01	6.50E-01	0.000	1.07	0.88	1.28	5.07E-01	6.50E-01	0.000
0.91	0.77	1.06	2.25E-01	2.94E-02	0.628	1.00	0.89	1.12	9.45E-01	3.63E-01	0.059	0.99	0.88	1.13	9.12E-01	3.63E-01	0.059
1.06	0.89	1.25	5.11E-01	3.99E-02	0.639	1.06	0.93	1.20	3.82E-01	1.56E-02	0.760	1.08	0.78	1.50	6.30E-01	1.56E-02	0.760
0.90	0.84	0.95	4.44E-04	6.38E-01	0.000	0.94	0.85	1.03	1.77E-01	7.97E-01	0.000	0.94	0.85	1.03	1.77E-01	7.97E-01	0.000
0.96	0.85	1.07	4.54E-01	8.01E-02	0.520	0.95	0.86	1.04	2.67E-01	4.40E-02	0.630	0.95	0.77	1.16	5.94E-01	4.40E-02	0.630
0.92	0.78	1.09	3.61E-01	2.23E-02	0.650	1.01	0.90	1.13	9.05E-01	6.06E-01	0.000	1.01	0.90	1.13	9.05E-01	6.06E-01	0.000
1.07	0.88	1.30	5.08E-01	1.98E-02	0.696	1.19	1.04	1.36	1.11E-02	3.84E-01	0.000	1.19	1.04	1.36	1.11E-02	3.84E-01	0.000
1.07	0.94	1.22	2.97E-01	6.01E-02	0.558	1.14	1.03	1.26	1.08E-02	2.51E-01	0.267	1.13	0.98	1.30	9.65E-02	2.51E-01	0.267
1.09	0.93	1.27	2.91E-01	1.65E-01	0.385	1.17	1.02	1.35	2.85E-02	1.67E-01	0.408	1.09	0.84	1.40	5.30E-01	1.67E-01	0.408
1.09	1.01	1.18	2.98E-02	2.11E-01	0.299	1.06	0.98	1.14	1.75E-01	2.73E-01	0.222	1.06	0.96	1.17	2.47E-01	2.73E-01	0.222
1.09	1.01	1.18	2.53E-02	2.28E-01	0.276	1.06	0.98	1.14	1.68E-01	2.82E-01	0.208	1.06	0.96	1.17	2.32E-01	2.82E-01	0.208
1.00	0.94	1.07	8.89E-01	3.58E-01	0.071	1.00	0.91	1.10	9.44E-01	2.04E-01	0.372	1.01	0.87	1.16	9.41E-01	2.04E-01	0.372
0.92	0.86	0.97	5.71E-03	4.58E-01	0.000	0.89	0.81	0.98	1.76E-02	3.82E-01	0.021	0.89	0.80	0.98	1.95E-02	3.82E-01	0.021
1.04	0.93	1.18	4.79E-01	9.78E-01	0.000	1.02	0.85	1.23	8.27E-01	9.58E-01	0.000	1.02	0.85	1.23	8.27E-01	9.58E-01	0.000
1.00	0.95	1.06	9.90E-01	9.32E-01	0.000	1.01	0.93	1.09	8.06E-01	8.76E-01	0.000	1.01	0.93	1.09	8.06E-01	8.76E-01	0.000
0.94	0.88	1.00	6.69E-02	6.32E-01	0.000	0.92	0.85	1.00	4.13E-02	6.56E-01	0.000	0.92	0.85	1.00	4.13E-02	6.56E-01	0.000
0.94	0.86	1.04	2.31E-01	8.47E-01	0.000	1.00	0.86	1.15	9.73E-01	9.53E-01	0.000	1.00	0.86	1.15	9.73E-01	9.53E-01	0.000
0.80	0.71	0.90	3.34E-04	9.12E-01	0.000	0.83	0.69	0.99	4.15E-02	8.54E-01	0.000	0.83	0.69	0.99	4.15E-02	8.54E-01	0.000
1.10	1.00	1.21	6.12E-02	9.55E-01	0.000	1.08	0.94	1.25	2.88E-01	8.76E-01	0.000	1.08	0.94	1.25	2.88E-01	8.76E-01	0.000
0.98	0.92	1.05	6.21E-01	3.92E-01	0.026	1.00	0.91	1.10	9.56E-01	2.67E-01	0.240	1.01	0.89	1.15	8.37E-01	2.67E-01	0.240
0.97	0.88	1.07	5.29E-01	1.75E-01	0.349	0.97	0.88	1.06	4.84E-01	1.07E-01	0.475	0.99	0.85	1.15	8.72E-01	1.07E-01	0.475
1.04	0.94	1.15	4.64E-01	1.42E-01	0.419	1.09	1.00	1.20	6.16E-02	1.74E-01	0.396	1.05	0.90	1.22	5.40E-01	1.74E-01	0.396
1.02	0.96	1.09	4.83E-01	6.03E-01	0.000	1.05	0.96	1.15	2.96E-01	5.44E-01	0.000	1.05	0.96	1.15	2.96E-01	5.44E-01	0.000
1.12	0.88	1.41	3.53E-01	1.17E-02	0.727	0.97	0.83	1.14	7.46E-01	1.67E-01	0.441	1.02	0.80	1.29	8.91E-01	1.67E-01	0.441
1.00	0.94	1.06	9.02E-01	4.12E-01	0.000	1.03	0.94	1.13	5.56E-01	3.51E-01	0.045	1.03	0.93	1.13	6.06E-01	3.51E-01	0.045
0.96	0.87	1.06	4.03E-01	2.51E-01	0.268	0.98	0.89	1.09	7.35E-01	2.39E-01	0.301	1.01	0.87	1.19	8.59E-01	2.39E-01	0.301
1.02	0.94	1.11	6.51E-01	9.80E-01	0.000	1.03	0.91	1.17	6.53E-01	9.43E-01	0.000	1.03	0.91	1.17	6.53E-01	9.43E-01	0.000
1.16	1.09	1.23	1.38E-06	6.46E-01	0.000	1.17	1.08	1.28	2.38E-04	5.02E-01	0.000	1.17	1.08	1.28	2.38E-04	5.02E-01	0.000
1.21	1.11	1.32	6.95E-06	6.73E-01	0.000	1.18	1.05	1.33	5.61E-03	5.90E-01	0.000	1.18	1.05	1.33	5.61E-03	5.90E-01	0.000
1.06	1.00	1.13	6.78E-02	4.35E-01	0.000	1.02	0.92	1.12	7.09E-01	4.46E-01	0.000	1.02	0.92	1.12	7.09E-01	4.46E-01	0.000
1.01	0.95	1.07	8.71E-01	6.08E-01	0.000	1.00	0.92	1.09	9.48E-01	4.72E-01	0.000	1.00	0.92	1.09	9.48E-01	4.72E-01	0.000
1.02	0.86	1.20	8.58E-01	4.04E-02	0.600	0.96	0.85	1.09	5.33E-01	4.28E-01	0.000	0.96	0.85	1.09	5.33E-01	4.28E-01	0.000
1.09	1.01	1.17	1.82E-02	8.07E-01	0.000	1.05	0.95	1.18	3.36E-01	7.98E-01	0.000	1.05	0.95	1.18	3.36E-01	7.98E-01	0.000
0.97	0.84	1.12	6.51E-01	3.11E-02	0.662	1.05	0.95	1.17	3.25E-01	7.00E-01	0.000	1.05	0.95	1.17	3.25E-01	7.00E-01	0.000
0.94	0.68	1.31	7.27E-01	4.41E-01	0.000												
0.99	0.93	1.06	7.91E-01	7.84E-01	0.000	0.96	0.87	1.06	4.33E-01	7.77E-01	0.000	0.96	0.87	1.06	4.33E-01	7.77E-01	0.000
1.10	0.98	1.25	1.08E-01	1.42E-01	0.395	1.08	0.96	1.21	2.00E-01	1.47E-01	0.412	1.06	0.89	1.25	5.25E-01	1.47E-01	0.412
1.11	0.99	1.25	7.87E-02	1.13E-01	0.465	1.08	0.97	1.20	1.88E-01	1.28E-01	0.473	1.07	0.91	1.26	4.01E-01	1.28E-01	0.473
1.02	0.88	1.18	8.00E-01	5.06E-02	0.577	0.93	0.83	1.04	1.93E-01	5.68E-01	0.000	0.93	0.83	1.04	1.93E-01	5.68E-01	0.000
0.91	0.77	1.06	2.26E-01	5.45E-03	0.727	0.88	0.79	0.97	1.30E-02	1.01E-02	0.735	0.88	0.70	1.09	2.41E-01	1.01E-02	0.735
0.93	0.86	1.00	5.04E-02	8.37E-01	0.000	0.96	0.86	1.08	5.26E-01	8.69E-01	0.000	0.96	0.86	1.08	5.26E-01	8.69E-01	0.000
1.01	0.93	1.09	8.46E-01	7.41E-01	0.000	0.96	0.85	1.09	5.35E-01	8.10E-01	0.000	0.96	0.85	1.09	5.35E-01	8.10E-01	0.000
1.04	0.97	1.11	2.63E-01	7.40E-01	0.000	1.03	0.94	1.13	4.97E-01	6.08E-01	0.000	1.03	0.94	1.13	4.97E-01	6.08E-01	0.000
1.05	0.97	1.14	2.43E-01	9.74E-01	0.000	1.08	0.95	1.22	2.49E-01	9.71E-01	0.000	1.08	0.95	1.22	2.49E-01	9.71E-01	0.000
0.97	0.90	1.04	3.92E-01	6.97E-01	0.000	0.99	0.88	1.10	7.96E-01	5.28E-01	0.000	0.99	0.88	1.10	7.96E-01	5.28E-01	0.000
1.02	0.92	1.14	6.66E-01	5.55E-01	0.000	0.99	0.83	1.17	8.83E-01	4.35E-01	0.000	0.99	0.83	1.17	8.83E-01	4.35E-01	0.000
1.02	0.89	1.17	7.38E-01	2.34E-02	0.684	0.96	0.88	1.06	4.41E-01	2.12E-01	0.355	0.97	0.84	1.11	6.49E-01	2.12E-01	0.355
0.96	0.86	1.07	4.77E-01	1.11E-01	0.467	0.96	0.87	1.06	4.69E-01	8.83E-02	0.541	1.02	0.85	1.23	8.30E-01	8.83E-02	0.541
1.14	1.02	1.26	1.60E-02	6.64E-01	0.000	1.13	0.97	1.32	1.20E-01	4.96E-01	0.000	1.13	0.97	1.32	1.20E-01	4.96E-01	0.000
0.97	0.91	1.03	3.02E-01	7.78E-01	0.000	0.98	0.89	1.08	6.91E-01	6.53E-01	0.000	0.98	0.89	1.08	6.91E-01	6.53E-01	0.000
1.01	0.95	1.07	8.18E-01	5.24E-01	0.000	0.99	0.91	1.08	7.93E-01	3.84E-01	0.000	0.99	0.91	1.08	7.93E-01	3.84E-01	0.000
1.02	0.89	1.17	7.97E-01	5.67E-02	0.564	0.94	0.85	1.05	2.80E-01	8.98E-01	0.000	0.94	0.85	1.05	2.80E-01	8.98E-01	0.000
0.95	0.89	1.01	9.55E-02	7.95E-01	0.000	0.92	0.84	1.01	8.45E-02	8.10E-01	0.000	0.92	0.84	1.01	8.45E-02	8.10E-01	0.000
1.02	0.96	1.07	5.66E-01	7.69E-01	0.000	0.99	0.92	1.07	8.79E-01	7.51E-01	0.000	0.99	0.92	1.07	8.79E-01	7.51E-01	0.000
0.98	0.92	1.04	4.99E-01	6.08E-01	0.000	0.94	0.86	1.03	2.10E-01	6.65E-01	0.000	0.94	0.86	1.03	2.10E-01	6.65E-01	0.000
1.02	0.89	1.16	8.19E-01	2.53E-02	0.678	1.10	1.00	1.21	5.11E-02	4.08E-01	0.000	1.10	1.00	1.21	5.11E-02	4.08E-01	0.000
1.01	0.94	1.08	8.71E-01	8.25E-01	0.000	1.03	0.93	1.15	5.42E-01	7.93E-01	0.000	1.03	0.93	1.15	5.42E-01	7.93E-01	0.000
1.00	0.83	1.21	9.92E-01	6.84E-02	0.512	1.10	0.94	1.28	2.21E-01	5.44E-01	0.000	1.10	0.94	1.28	2.21E-01	5.44E-01	0.000
0.94	0.86	1.02	1.21E-01	6.83E-01	0.000	0.94	0.82	1.07	3.37E-01	5.15E-01	0.000	0.94	0.82	1.07	3.37E-01	5.15E-01	0.000
0.98	0.92	1.04	4.12E-01	9.98E-01	0.000	0.98	0.89	1.07	6.39E-01	9.88E-01	0.000	0.98	0.89	1.07	6.39E-01	9.88E-01	0.000
1.12	0.99	1.27	6.98E-02	2.33E-01	0.298	1.02	0.89	1.17	7.27E-01	8.23E-01	0.000	1.02	0.89	1.17	7.27E-01	8.23E-01	0.000
1.00	0.89	1.12	9.96E-01	7.86E-02	0.559	0.99	0.90	1.09	8.97E-01	6.49E-02	0.634	0.93	0.77	1.13	4.85E-01	6.49E-02	0.634
1.06	0.93	1.20	3.86E-01	1.13E-01	0.498	1.05	0.93	1.18	4.22E-01	5.27E-02	0.660	1.10	0.87	1.40	4.17E-01	5.27E-02	0.660
1.00	0.91	1.09	9.99E-01	2.70E-01	0.217	1.02	0.92	1.12	7.13E-01	2.09E-01	0.318	1.03	0.90	1.17	7.10E-01	2.09E-01	0.318
1.11	0.97	1.28	1.38E-01	8.18E-02	0.553	1.02	0.91	1.16	7.02E-01	9.80E-01	0.000	1.02	0.91	1.16	7.02E-01	9.80E-01	0.000
0.95	0.88	1.02	1.82E-01	3.44E-01	0.097	0.89	0.80	1.00	4.28E-02	5.82E-01	0.000	0.89	0.80	1.00	4.28E-02	5.82E-01	0.000
1.14	1.02	1.27	2.32E-02	1.09E-01	0.445	1.10	1.00	1.21	5.70E-02	1.08E-01	0.473	1.12	0.96	1.30	1.60E-01	1.08E-01	0.473
1.02	0.95	1.09	6.20E-01	9.58E-01	0.000	1.03	0.92	1.15	6.02E-01	9.02E-01	0.000	1.03	0.92	1.15	6.02E-01	9.02E-01	0.000
1.13	0.99	1.28	6.04E-02	2.11E-01	0.315	1.05	0.92	1.20	4.60E-01	4.08E-01	0.000	1.05	0.92	1.20	4.60E-01	4.08E-01	0.000
0.96	0.89	1.04	2.95E-01	6.88E-01	0.000	0.91	0.81	1.03	1.25E-01	9.01E-01	0.000	0.91	0.81	1.03	1.25E-01	9.01E-01	0.000
1.09	1.01	1.18	3.01E-02	2.05E-01	0.308	1.10	1.02	1.20	1.65E-02	1.25E-01	0.445	1.08	0.95	1.23	2.20E-01	1.25E-01	0.445
1.08	1.01	1.16	2.45E-02	6.72E-01	0.000	1.04	0.94	1.15	5.01E-01	8.25E-01	0.000	1.04	0.94	1.15	5.01E-01	8.25E-01	0.000
0.99	0.87	1.11	8.26E-01	5.18E-02	0.612	1.05	0.95	1.15	3.47E-01	7.72E-01	0.000	1.05	0.95	1.15	3.47E-01	7.72E-01	0.000
1.10	0.98	1.23	1.02E-01	2.85E-01	0.203	1.02	0.89	1.17	7.59E-01	6.19E-01	0.000	1.02	0.89	1.17	7.59E-01	6.19E-01	0.000
0.98	0.84	1.14	8.09E-01	3.93E-03	0.775	0.94	0.86	1.03	1.80E-01	1.43E-01	0.486	0.91	0.78	1.07	2.68E-01	1.43E-01	0.486
0.99	0.93	1.05	7.15E-01	6.29E-01	0.000	0.97	0.89	1.07	5.78E-01	4.92E-01	0.000	0.97	0.89	1.07	5.78E-01	4.92E-01	0.000
0.90	0.85	0.95	2.13E-04	3.63E-01	0.076	0.88	0.82	0.95	4.47E-04	3.03E-01	0.176	0.88	0.81	0.96	3.31E-03	3.03E-01	0.176
1.01	0.93	1.10	7.46E-01	2.28E-01	0.307	0.97	0.88	1.07	5.31E-01	4.04E-01	0.000	0.97	0.88	1.07	5.31E-01	4.04E-01	0.000
1.05	0.98	1.12	1.52E-01	3.73E-01	0.039	1.08	0.98	1.20	1.07E-01	3.01E-01	0.168	1.07	0.95	1.21	2.41E-01	3.01E-01	0.168
0.94	0.81	1.11	4.79E-01	5.71E-03	0.761	1.04	0.94	1.14	4.66E-01	6.52E-01	0.000	1.04	0.94	1.14	4.66E-01	6.52E-01	0.000
1.02	0.94	1.11	6.64E-01	1.34E-01	0.408	1.05	0.97	1.14	1.98E-01	2.59E-01	0.244	1.05	0.95	1.16	2.99E-01	2.59E-01	0.244
1.08	1.01	1.15	1.87E-02	3.97E-01	0.000	1.03	0.93	1.13	5.96E-01	5.54E-01	0.000	1.03	0.93	1.13	5.96E-01	5.54E-01	0.000
0.97	0.89	1.07	5.76E-01	3.18E-01	0.151	1.03	0.91	1.16	6.35E-01	3.77E-01	0.030	1.03	0.91	1.16	6.88E-01	3.77E-01	0.030
0.99	0.88	1.12	8.44E-01	3.12E-01	0.160	0.95	0.81	1.11	5.33E-01	2.56E-01	0.259	0.91	0.74	1.13	4.01E-01	2.56E-01	0.259
1.02	0.94	1.12	5.86E-01	2.18E-01	0.305	1.00	0.92	1.10	9.25E-01	1.45E-01	0.443	1.02	0.87	1.19	8.27E-01	1.45E-01	0.443
0.93	0.87	1.00	4.53E-02	7.31E-01	0.000	0.96	0.87	1.07	4.98E-01	7.10E-01	0.000	0.96	0.87	1.07	4.98E-01	7.10E-01	0.000
1.11	0.90	1.38	3.27E-01	6.58E-03	0.755	0.98	0.86	1.11	7.08E-01	4.01E-01	0.000	0.98	0.86	1.11	7.08E-01	4.01E-01	0.000
0.92	0.82	1.03	1.27E-01	1.61E-02	0.672	0.97	0.89	1.04	3.86E-01	1.83E-01	0.382	0.96	0.86	1.07	4.14E-01	1.83E-01	0.382
1.04	0.97	1.13	2.85E-01	6.75E-01	0.000	1.06	0.94	1.19	3.51E-01	5.23E-01	0.000	1.06	0.94	1.19	3.51E-01	5.23E-01	0.000
1.05	1.00	1.11	4.93E-02	9.77E-01	0.000	1.06	0.99	1.13	9.14E-02	9.15E-01	0.000	1.06	0.99	1.13	9.14E-02	9.15E-01	0.000
1.03	0.93	1.14	6.02E-01	1.29E-01	0.439	1.02	0.93	1.12	6.29E-01	7.00E-02	0.575	1.08	0.89	1.31	4.49E-01	7.00E-02	0.575
0.99	0.90	1.09	8.70E-01	5.40E-01	0.000	1.05	0.91	1.21	4.91E-01	5.76E-01	0.000	1.05	0.91	1.21	4.91E-01	5.76E-01	0.000
0.97	0.89	1.07	5.77E-01	7.98E-02	0.520	1.01	0.94	1.10	7.40E-01	1.82E-01	0.384	1.01	0.90	1.12	9.14E-01	1.82E-01	0.384
1.03	0.94	1.13	5.39E-01	8.75E-01	0.000	1.08	0.94	1.24	2.89E-01	9.27E-01	0.000	1.08	0.94	1.24	2.89E-01	9.27E-01	0.000
0.89	0.83	0.95	9.14E-04	4.65E-01	0.000	0.94	0.85	1.05	2.64E-01	7.12E-01	0.000	0.94	0.85	1.05	2.64E-01	7.12E-01	0.000
1.15	1.09	1.22	2.96E-06	9.72E-01	0.000	1.14	1.05	1.25	1.90E-03	9.28E-01	0.000	1.14	1.05	1.25	1.90E-03	9.28E-01	0.000

Knee

Marker	Chr	Position	EA	NEA	arcOGEN				TKR arcOGEN				arcOGEN KNEE+				deCODE			
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1	102046864	C	T	0.89	0.83	0.95	6.67E-04	0.90	0.83	0.97	9.63E-03	0.88	0.83	0.94	1.28E-04	1.02	0.90	1.14	8.07E-01
rs1417066	1	217740451	G	A	1.07	1.01	1.13	1.85E-02	1.10	1.03	1.18	3.61E-03	1.09	1.03	1.14	1.50E-03	1.04	0.94	1.14	4.64E-01
rs1629896	1	223752551	G	A	1.22	1.11	1.34	5.16E-05	1.24	1.11	1.39	1.87E-04	1.23	1.13	1.34	4.82E-06	0.98	0.81	1.19	8.65E-01
rs987179	1	242876559	A	G	0.96	0.91	1.02	1.90E-01	0.94	0.88	1.01	1.10E-01	0.94	0.89	1.00	4.50E-02	1.01	0.90	1.12	8.96E-01
rs1024816	2	37454712	G	A	1.15	1.04	1.26	4.34E-03	1.24	1.11	1.39	1.54E-04	1.13	1.03	1.24	8.32E-03	1.00	0.80	1.25	9.76E-01
rs3791679	2	55950396	G	A	0.93	0.87	0.99	3.23E-02	0.97	0.89	1.04	3.71E-01	0.93	0.88	0.99	2.14E-02	1.10	0.97	1.26	1.38E-01
rs10779958	2	74609286	C	A	1.14	1.06	1.23	3.61E-04	1.17	1.07	1.27	6.98E-04	1.13	1.06	1.21	5.38E-04	1.01	0.88	1.16	9.06E-01
rs6754683	2	108522707	A	G	0.98	0.92	1.03	3.94E-01	0.96	0.90	1.03	2.43E-01	0.99	0.94	1.04	6.00E-01	0.97	0.88	1.08	6.22E-01
rs4622728	2	125523313	T	C	0.90	0.86	0.95	2.30E-04	0.90	0.84	0.96	8.99E-04	0.90	0.85	0.95	3.97E-05	1.04	0.94	1.16	4.18E-01
rs1432237	2	137524977	G	A	1.02	0.96	1.09	5.29E-01	1.00	0.92	1.08	9.45E-01	1.00	0.94	1.07	9.71E-01	1.15	1.01	1.30	3.73E-02
rs12618428	2	151441225	G	A	0.82	0.76	0.89	4.07E-06	0.82	0.74	0.90	8.81E-05	0.82	0.76	0.89	7.72E-07	0.99	0.85	1.16	9.19E-01
rs6716254	2	175250720	C	T	0.93	0.87	0.98	1.11E-02	0.95	0.89	1.02	1.68E-01	0.91	0.86	0.96	5.76E-04	1.02	0.91	1.14	7.29E-01
rs6793234	3	8801396	G	A	1.12	1.03	1.22	8.93E-03	1.06	0.96	1.18	2.57E-01	1.12	1.03	1.21	5.98E-03	0.99	0.85	1.16	9.27E-01
rs11177	3	52696345	A	G	1.11	1.05	1.17	2.13E-04	1.12	1.05	1.20	8.86E-04	1.12	1.07	1.18	1.44E-05	1.04	0.94	1.16	4.60E-01
rs6976	3	52703844	T	C	1.11	1.05	1.17	2.59E-04	1.12	1.05	1.20	9.13E-04	1.12	1.06	1.18	2.05E-05	1.04	0.93	1.15	5.21E-01
rs10510816	3	59630570	A	C	0.92	0.88	0.98	4.55E-03	0.91	0.85	0.97	3.19E-03	0.93	0.88	0.98	4.87E-03	0.93	0.84	1.03	1.54E-01
rs1355782	3	132970356	C	T	0.87	0.82	0.92	1.49E-06	0.87	0.81	0.93	7.12E-05	0.87	0.83	0.92	3.83E-07	1.06	0.96	1.18	2.61E-01
rs16851066	3	142325511	A	G	1.10	0.98	1.23	9.26E-02	1.09	0.96	1.25	1.95E-01	1.14	1.03	1.26	1.06E-02	1.04	0.85	1.26	7.07E-01
rs12107036	3	191082854	A	G	0.90	0.85	0.95	1.51E-04	0.90	0.84	0.96	1.23E-03	0.93	0.88	0.98	5.56E-03	0.91	0.83	1.01	8.16E-02
rs16837352	4	5555175	T	G	1.17	1.08	1.26	3.95E-05	1.14	1.04	1.24	5.49E-03	1.18	1.10	1.26	3.78E-06	0.95	0.89	1.03	2.17E-01
rs17578878	4	37577120	T	C	0.81	0.74	0.88	2.16E-06	0.82	0.73	0.91	2.48E-04	0.81	0.75	0.88	9.87E-07	0.90	0.77	1.06	2.22E-01
rs11725992	4	48082608	C	T	0.84	0.75	0.93	9.47E-04	0.83	0.73	0.95	5.41E-03	0.83	0.75	0.92	2.57E-04	0.91	0.74	1.10	3.13E-01
rs12500935	4	114760230	A	G	1.18	1.08	1.29	2.51E-04	1.18	1.07	1.32	1.84E-03	1.19	1.09	1.29	4.75E-05	1.02	0.87	1.19	8.43E-01
rs1566347	4	186969560	T	C	0.87	0.82	0.92	9.15E-07	0.85	0.79	0.91	4.67E-06	0.88	0.83	0.92	1.35E-06	1.08	0.97	1.20	1.41E-01
rs4957048	5	636442	A	G	0.90	0.84	0.96	1.48E-03	0.88	0.81	0.95	1.28E-03	0.90	0.84	0.95	4.26E-04	1.02	0.90	1.15	7.92E-01
rs2610424	5	71292415	C	T	1.13	1.07	1.19	1.18E-05	1.13	1.06	1.20	3.55E-04	1.12	1.07	1.18	6.62E-06	1.02	0.92	1.13	6.96E-01
rs457008	5	81110411	T	C	0.88	0.83	0.93	3.37E-06	0.87	0.81	0.92	1.51E-05	0.90	0.85	0.94	3.15E-05	1.00	0.90	1.10	9.59E-01
rs10036746	5	91780688	A	G	1.04	0.95	1.14	3.93E-01	1.05	0.94	1.18	3.92E-01	1.05	0.96	1.14	3.17E-01	0.91	0.76	1.09	3.09E-01
rs10515550	5	144792886	T	C	0.94	0.89	1.00	3.57E-02	0.92	0.86	0.98	1.33E-02	0.94	0.89	0.99	1.33E-02	0.98	0.89	1.09	7.01E-01
rs13167773	5	148567182	T	C	0.83	0.77	0.91	1.47E-05	0.85	0.77	0.93	9.68E-04	0.85	0.78	0.91	1.59E-05	0.97	0.88	1.07	5.35E-01
rs10051783	5	167755230	T	C	1.10	1.02	1.19	1.02E-02	1.10	1.00	1.20	4.31E-02	1.11	1.04	1.19	3.35E-03	1.11	0.97	1.28	1.41E-01
rs10948172	6	44885669	G	A	1.08	1.02	1.14	1.46E-02	1.07	1.00	1.15	6.25E-02	1.09	1.03	1.15	3.03E-03	1.07	0.96	1.20	2.13E-01
rs9350591	6	76298247	T	C	0.99	0.91	1.08	8.71E-01	0.98	0.88	1.08	6.68E-01	1.03	0.95	1.11	4.94E-01	0.97	0.82	1.14	6.75E-01
rs10943837	6	82727239	T	C	0.97	0.92	1.03	3.30E-01	0.94	0.88	1.01	1.07E-01	0.96	0.91	1.02	1.83E-01	0.91	0.82	1.02	1.02E-01
rs2493984	6	95440213	G	A	1.08	1.02	1.14	1.03E-02	1.09	1.02	1.17	1.28E-02	1.08	1.03	1.14	3.38E-03	1.07	0.96	1.20	2.48E-01
rs7755798	6	109743847	T	C	1.14	1.07	1.23	1.71E-04	1.14	1.05	1.24	2.78E-03	1.15	1.07	1.23	4.86E-05	1.09	0.94	1.25	2.58E-01
rs2027532	6	112741889	C	T	1.07	1.00	1.14	3.75E-02	1.08	1.00	1.17	4.17E-02	1.07	1.01	1.14	2.44E-02	0.91	0.80	1.03	1.18E-01
rs6931833	6	114078284	A	G	1.01	0.95	1.07	7.96E-01	1.00	0.93	1.08	9.64E-01	1.01	0.96	1.08	6.28E-01	1.08	0.97	1.21	1.82E-01
rs17627827	7	16731521	G	A	1.01	0.91	1.12	8.81E-01	1.01	0.88	1.15	9.41E-01	0.99	0.89	1.09	8.21E-01				
rs6461679	7	22976588	T	C	0.91	0.86	0.96	4.86E-04	0.90	0.84	0.96	2.34E-03	0.89	0.85	0.94	2.47E-05	0.94	0.84	1.05	2.66E-01
rs7785659	7	32427540	T	C	1.10	1.02	1.19	1.07E-02	1.06	0.96	1.16	2.56E-01	1.13	1.05	1.21	9.80E-04	1.07	0.91	1.27	4.14E-01
rs7805536	7	32540095	C	T	1.09	1.02	1.17	1.58E-02	1.06	0.97	1.16	2.04E-01	1.11	1.04	1.19	2.00E-03	1.00	0.86	1.17	9.59E-01
rs1859572	7	76870933	T	C	1.07	1.01	1.14	3.45E-02	1.06	0.98	1.15	1.50E-01	1.09	1.03	1.16	5.99E-03	1.13	1.00	1.28	4.71E-02
rs6466265	7	77998184	G	A	1.15	1.08	1.23	3.53E-05	1.19	1.10	1.29	1.28E-05	1.15	1.08	1.22	2.11E-05	1.11	0.98	1.27	1.11E-01
rs2966417	7	109944782	A	G	0.97	0.91	1.03	3.16E-01	0.97	0.90	1.05	5.08E-01	0.96	0.90	1.02	1.79E-01	0.98	0.87	1.12	8.05E-01
rs4841020	8	8638760	G	A	0.88	0.82	0.95	6.39E-04	0.90	0.82	0.98	1.53E-02	0.88	0.82	0.94	1.65E-04	0.99	0.87	1.13	9.09E-01
rs1876836	8	8719166	T	C	0.90	0.84	0.96	1.27E-03	0.87	0.81	0.94	7.15E-04	0.89	0.84	0.95	2.79E-04	0.97	0.86	1.09	5.95E-01
rs4841067	8	8784655	G	A	0.88	0.81	0.95	1.13E-03	0.89	0.81	0.98	1.49E-02	0.89	0.83	0.96	1.72E-03	1.02	0.88	1.17	8.35E-01
rs609792	8	9857300	T	C	1.05	0.98	1.12	1.77E-01	1.02	0.94	1.11	5.87E-01	1.04	0.97	1.10	2.58E-01	1.02	0.90	1.14	8.00E-01
rs6997710	8	10247861	G	A	1.13	1.03	1.24	8.49E-03	1.09	0.98	1.22	1.16E-01	1.16	1.06	1.26	6.79E-04	1.10	0.93	1.32	2.73E-01
rs1421259	8	15607043	A	G	0.99	0.94	1.05	8.24E-01	1.00	0.94	1.07	9.72E-01	0.99	0.94	1.05	7.59E-01	0.87	0.79	0.97	1.18E-02
rs2289496	8	98357340	C	A	0.94	0.89	0.99	1.92E-02	0.94	0.88	1.01	8.50E-02	0.94	0.89	0.99	1.26E-02	1.00	0.90	1.11	9.92E-01
rs16870112	8	104191422	A	C	1.11	1.01	1.22	3.99E-02	1.19	1.07	1.33	2.11E-03	1.11	1.02	1.22	2.06E-02	1.02	0.86	1.22	8.12E-01
rs4072286	8	142805713	G	T	1.11	1.05	1.17	3.84E-04	1.14	1.07	1.22	8.07E-05	1.10	1.04	1.16	4.17E-04	0.97	0.88	1.08	6.04E-01
rs2146423	9	4647040	G	A	0.88	0.83	0.93	5.22E-06	0.87	0.82	0.93	4.56E-05	0.90	0.86	0.95	7.49E-05	1.04	0.95	1.14	4.48E-01
rs945442	9	18917768	C	A	1.02	0.96	1.09	5.40E-01	1.00	0.92	1.08	9.64E-01	1.00	0.94	1.06	9.91E-01	0.93	0.83	1.04	2.18E-01
rs3780296	9	79327254	C	T	1.11	1.05	1.17	1.41E-04	1.16	1.09	1.24	8.97E-06	1.09	1.04	1.15	1.12E-03	0.94	0.85	1.05	2.62E-01
rs4836732	9	118306516	C	T	0.98	0.93	1.03	4.33E-01	0.96	0.90	1.03	2.38E-01	0.99	0.94	1.04	7.22E-01	1.05	0.95	1.17	3.18E-01
rs2900277	9	131434091	G	T	0.88	0.82	0.93	5.83E-05	0.87	0.81	0.94	5.27E-04	0.87	0.82	0.93	8.44E-06	0.91	0.80	1.02	1.02E-01
rs9299558	10	56603927	A	C	0.93	0.88	0.98	8.74E-03	0.92	0.86	0.98	1.28E-02	0.93	0.88	0.98	3.47E-03	1.10	1.00	1.22	6.08E-02
rs787640	10	95114663	G	A	0.98	0.92	1.04	5.07E-01	0.97	0.90	1.04	3.74E-01	0.97	0.92	1.03	3.64E-01	1.02	0.91	1.15	7.20E-01
rs11188412	10	97391986	A	G	0.76	0.68	0.85	3.24E-06	0.81	0.71	0.93	2.72E-03	0.80	0.72	0.89	3.35E-05	0.90	0.72	1.12	3.56E-01
rs4757420	11	12371653	T	G	0.89	0.83	0.96	1.84E-03	0.88	0.81	0.97	6.92E-03	0.89	0.83	0.96	1.07E-03	0.98	0.85	1.13	8.07E-01
rs7119797	11	61922811	T	C	0.97	0.92	1.02	2.36E-01	0.96	0.90	1.02	1.79E-01	0.96	0.91	1.01	8.54E-02	1.07	0.97	1.18	1.97E-01
rs17159801	11	82496946	A	G	1.06	0.98	1.16	1.48E-01	1.07	0.97	1.19	1.66E-01	1.10	1.02	1.19	1.28E-02	1.12	0.98	1.29	9.48E-02
rs2691829	11	90240224	T	C	1.11	1.05	1.17	3.57E-04	1.11	1.04	1.18	2.84E-03	1.08	1.03	1.14	3.36E-03	1.01	0.91	1.13	8.25E-01
rs6589848	11	120229228	T	C	0.99	0.93	1.06	8.80E-01	0.98	0.90	1.06	6.23E-01	0.99	0.93	1.06	8.09E-01	1.02	0.90	1.16	7.28E-01
rs7941193	11	125876053	A	G	1.09	1.01	1.16	1.83E-02	1.12	1.03	1.21	9.32E-03	1.07	1.01	1.15	3.00E-02	1.11	0.98	1.26	9.70E-02
rs7122854	11	132673733	G	A	1.07	0.99	1.14	7.99E-02	1.07	0.98	1.16	1.21E-01	1.07	1.01	1.15	3.38E-02	0.92	0.79	1.06	2.22E-01
rs7305794	12	24860894	T	C	1.09	1.03	1.16	3.39E-03	1.09	1.01	1.17	2.21E-02	1.10	1.04	1.16	1.51E-03	0.96	0.85	1.08	5.06E-01
rs10492367	12	27906237	T	G	1.07	1.00	1.15	3.89E-02	1.06	0.97	1.15	2.06E-01	1.07	1.01	1.14	2.87E-02	0.88	0.77	1.00	5.53E-02
rs6487684	12	28534480	T	C	1.10	1.03	1.17	3.82E-03	1.13	1.05	1.22	1.97E-03	1.07	1.01	1.14	1.93E-02	1.11	0.98	1.25	9.60E-02
rs1034762	12	46675910	A	C	1.07	1.00	1.16	6.44E-02	1.12	1.02	1.22	1.41E-02	1.08	1.01	1.16	3.44E-02	1.16	1.00	1.34	5.86E-02
rs1404866	12	83888610	T	G	1.13	1.06	1.21	1.01E-04	1.16	1.08	1.25	9.41E-05	1.17	1.10	1.24	3.04E-07	0.94	0.82	1.08	4.08E-01
rs835487	12	103584897	G	A	1.02	0.97	1.08	4.33E-01	1.03	0.96	1.10	4.07E-01	1.01	0.96	1.07	6.33E-01	1.00	0.90	1.11	9.64E-01
rs11064722	12	118157566	T	C	1.07	1.00	1.14	5.90E-02	1.11	1.03	1.20	1.01E-02	1.08	1.02	1.15	1.47E-02	1.11	1.00	1.24	5.23E-02
rs9520058	13	105855421	G	T	0.95	0.90	1.01	8.05E-02	0.91	0.85	0.97	5.30E-03	0.94	0.89	0.99	2.40E-02	1.02	0.92	1.14	6.58E-01
rs7155791	14	49487980	T	C	1.08	0.99	1.17	6.91E-02	1.15	1.05	1.27	3.36E-03	1.08	1.01	1.17	3.53E-02	0.79	0.68	0.92	2.99E-03
rs11634255	15	30874764	G	A	1.09	1.03	1.15	1.79E-03	1.10	1.03	1.17	5.37E-03	1.08	1.03	1.14	2.60E-03	1.00	0.91	1.10	9.82E-01
rs4646626	15	56043419	C	T	1.13	1.07	1.19	8.86E-06	1.14	1.07	1.22	1.00E-04	1.12	1.06	1.18	1.28E-05	1.13	1.02	1.25	2.46E-02
rs8032755	15	91403060	A	G	0.91	0.86	0.96	1.08E-03	0.86	0.80	0.92	7.40E-06	0.91	0.86	0.96	2.79E-04	0.96	0.89	1.05	3.74E-01
rs2908646	16	4971845	A	G	1.07	1.02	1.13	1.28E-02	1.08	1.01	1.15	2.66E-02	1.06	1.01	1.12	2.43E-02	1.02	0.92	1.13	6.55E-01
rs12596722	16	9324789	C	A	1.15	1.09	1.22	1.23E-06	1.15	1.07	1.23	1.02E-04	1.13	1.07	1.19	5.16E-06	0.94	0.84	1.04	2.28E-01
rs12923310	16	9695438	T	G	0.90	0.85	0.95	2.08E-04	0.91	0.85	0.97	6.55E-03	0.91	0.86	0.96	5.94E-04	0.99	0.89	1.10	8.85E-01
rs8044769	16	52396636	T	C	0.90	0.86	0.95	1.89E-04	0.90	0.85	0.96	2.25E-03	0.90	0.86	0.95	9.57E-05	0.94	0.85	1.04	2.54E-01
rs9937815	16	54888333	G	A	1.00	0.94	1.06	9.98E-01	1.01	0.94	1.08	7.95E-01	1.02	0.97	1.08	4.18E-01	1.00	0.90	1.12	9.41E-01
rs7404629	16	64970230	A	G	0.92	0.86	0.98	8.60E-03	0.90	0.83	0.98	1.13E-02	0.92	0.86	0.98	6.93E-03	1.00	0.87	1.15	9.92E-01
rs4078062	17	16919559	A	G	1.15	1.06	1.25	1.04E-03	1.12	1.02	1.24	2.20E-02	1.16	1.07	1.25	2.23E-04	0.91	0.76	1.09	3.00E-01
rs8080960	17	67298538	G	A	1.04	0.99	1.10	1.48E-01	1.09	1.02	1.16	1.27E-02	1.05	0.99	1.10	8.85E-02	1.02	0.92	1.13	6.72E-01
rs11665347	18	10468812	A	G	0.88	0.83	0.93	1.06E-05	0.89	0.83	0.96	1.76E-03	0.88	0.84	0.94	1.49E-05	0.91	0.82	1.03	1.26E-01
rs17089382	18	70369681	T	C	1.08	0.99	1.18	7.48E-02	1.09	0.98	1.21	1.14E-01	1.07	0.99	1.16	9.79E-02	0.92	0.80	1.06	2.43E-01
rs12974139	19	2135005	C	T	0.96	0.91	1.01	1.29E-01	0.97	0.91	1.04	3.99E-01	0.95	0.91	1.00	6.35E-02	0.94	0.85	1.05	2.58E-01
rs10426443	19	8017982	G	A	0.93	0.87	1.00	4.44E-02	0.87	0.80	0.95	2.24E-03	0.94	0.88	1.01	8.86E-02	1.04	0.92	1.18	5.55E-01
rs10426377	19	53784046	A	C	1.07	1.01	1.14	2.77E-02	1.08	1.01	1.17	3.26E-02	1.08	1.01	1.14	1.45E-02	0.97	0.91	1.04	3.88E-01
rs1360400	20	22909890	A	G	1.10	1.04	1.16	5.77E-04	1.10	1.03	1.17	5.34E-03	1.07	1.02	1.12	1.07E-02	0.97	0.88	1.08	6.08E-01
rs17785895	20	47866466	G	A	0.82	0.75	0.90	9.41E-06	0.79	0.71	0.88	2.41E-05	0.83	0.77	0.90	1.04E-05	0.93	0.80	1.09	3.80E-01
rs4925370	20	60300986	G	A	1.13	1.07	1.19	8.11E-06	1.12	1.05	1.20	5.25E-04	1.11	1.05	1.16	8.41E-05	1.07	0.97	1.18	2.01E-01
rs3747081	22	19682120	A	G	1.12	1.03	1.22	7.43E-03	1.09	0.98	1.20	1.03E-01	1.09	1.01	1.18	2.67E-02	1.11	0.96	1.30	1.71E-01
rs7287616	22	22259852	T	C	0.94	0.88	1.00	3.54E-02	0.92	0.85	0.99	2.64E-02	0.93	0.88	0.99	2.33E-02	1.11	0.99	1.23	7.18E-02
rs5762347	22	26489672	A	G	1.04	0.98	1.10	1.57E-01	1.03	0.96	1.11	3.74E-01	1.05	0.99	1.10	1.01E-01	1.04	0.93	1.16	5.05E-01

Marker	EGCUT				GARP				RS1				RS2				TwinsUK			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1.36	0.99	1.86	5.95E-02	0.71	0.51	0.98	4.67E-02	0.93	0.84	1.04	2.00E-01	0.94	0.77	1.15	5.39E-01	1.33	0.91	1.94	1.57E-01
rs1417066					0.94	0.74	1.19	5.64E-01	1.11	1.01	1.21	3.00E-02	1.01	0.86	1.19	8.68E-01	0.79	0.57	1.09	1.35E-01
rs1629896	0.95	0.57	1.58	8.49E-01	1.31	0.94	1.81	1.51E-01	1.05	0.90	1.21	5.40E-01	0.92	0.66	1.27	6.18E-01	1.45	0.88	2.39	1.35E-01
rs987179	1.26	0.94	1.68	1.27E-01	0.87	0.67	1.14	2.12E-01	1.03	0.94	1.13	5.30E-01	0.92	0.77	1.11	3.99E-01	0.95	0.67	1.35	7.74E-01
rs1024816	0.90	0.58	1.40	6.36E-01	0.95	0.61	1.48	7.62E-01	1.03	0.88	1.20	7.50E-01	0.87	0.63	1.19	3.83E-01	1.06	0.63	1.76	8.32E-01
rs3791679	0.90	0.67	1.20	4.59E-01	1.18	0.90	1.54	1.66E-01	1.02	0.92	1.13	7.20E-01	0.88	0.72	1.06	1.82E-01	1.16	0.78	1.73	4.73E-01
rs10779958					0.96	0.68	1.36	7.03E-01	0.92	0.81	1.04	1.90E-01	1.06	0.83	1.34	6.43E-01	1.05	0.69	1.61	8.01E-01
rs6754683	1.05	0.81	1.36	7.06E-01	1.25	0.98	1.59	5.96E-02	0.95	0.87	1.03	2.30E-01	0.80	0.68	0.94	7.70E-03	0.87	0.62	1.20	4.12E-01
rs4622728	0.95	0.73	1.22	6.68E-01	1.05	0.83	1.34	6.24E-01	1.04	0.95	1.13	3.80E-01	0.91	0.78	1.08	2.82E-01	1.20	0.87	1.66	2.42E-01
rs1432237	1.04	0.76	1.42	8.18E-01	1.06	0.79	1.41	6.34E-01	1.01	0.91	1.13	8.00E-01	1.01	0.82	1.23	9.45E-01	1.21	0.83	1.76	3.38E-01
rs12618428					1.38	1.01	1.90	3.02E-02	1.01	0.89	1.15	8.80E-01	0.89	0.69	1.14	3.49E-01	1.13	0.67	1.91	6.34E-01
rs6716254	1.02	0.77	1.35	8.78E-01	0.99	0.76	1.29	9.43E-01	1.00	0.91	1.10	1.00E+00	1.04	0.87	1.25	6.74E-01	0.93	0.66	1.32	6.80E-01
rs6793234	1.28	0.86	1.89	2.24E-01	0.91	0.62	1.35	5.33E-01	0.94	0.81	1.08	3.80E-01	0.94	0.72	1.24	6.61E-01	0.55	0.33	0.91	1.79E-02
rs11177	1.22	0.94	1.58	1.30E-01	1.01	0.79	1.29	9.59E-01	0.98	0.90	1.07	6.60E-01	0.98	0.83	1.16	8.46E-01	0.89	0.64	1.24	4.65E-01
rs6976	1.22	0.94	1.58	1.32E-01	1.00	0.79	1.28	8.97E-01	0.98	0.89	1.07	6.50E-01	0.99	0.83	1.16	8.61E-01	0.89	0.64	1.24	4.65E-01
rs10510816					0.86	0.67	1.09	1.72E-01	0.97	0.89	1.06	5.10E-01	1.07	0.91	1.26	3.85E-01	1.02	0.74	1.40	9.16E-01
rs1355782	1.07	0.83	1.39	5.82E-01	1.29	1.01	1.64	3.06E-02	0.90	0.82	0.99	2.00E-02	0.88	0.74	1.04	1.41E-01	1.08	0.78	1.50	6.23E-01
rs16851066					1.24	0.80	1.92	3.22E-01	0.96	0.81	1.15	6.70E-01	1.23	0.91	1.65	1.77E-01	1.01	0.55	1.86	9.62E-01
rs12107036	1.17	0.91	1.51	2.28E-01	1.02	0.80	1.29	8.99E-01	0.99	0.91	1.08	8.40E-01	1.05	0.90	1.24	5.26E-01	0.97	0.71	1.34	8.66E-01
rs16837352					1.20	0.89	1.62	2.66E-01	0.99	0.88	1.11	8.50E-01	1.00	0.81	1.24	9.92E-01	1.23	0.78	1.94	3.31E-01
rs17578878	1.07	0.66	1.72	7.86E-01	0.83	0.57	1.23	3.00E-01	1.03	0.90	1.18	6.40E-01	1.00	0.77	1.29	9.93E-01	0.91	0.56	1.48	7.12E-01
rs11725992	0.89	0.53	1.48	6.50E-01					0.89	0.75	1.05	1.60E-01	1.46	1.11	1.92	7.39E-03	1.53	0.86	2.72	1.27E-01
rs12500935					0.60	0.37	0.97	3.29E-02	0.95	0.82	1.11	5.40E-01	1.01	0.76	1.33	9.72E-01	0.99	0.61	1.62	9.63E-01
rs1566347	1.21	0.92	1.59	1.70E-01	0.96	0.74	1.24	8.65E-01	0.96	0.88	1.06	4.10E-01	0.99	0.84	1.18	9.43E-01	0.75	0.53	1.07	1.30E-01
rs4957048	1.17	0.84	1.63	3.60E-01	1.10	0.83	1.46	4.79E-01	0.88	0.79	0.98	2.00E-02	0.90	0.73	1.10	2.92E-01	0.94	0.64	1.38	7.39E-01
rs2610424	0.69	0.53	0.90	5.92E-03	0.98	0.78	1.25	9.57E-01	0.96	0.88	1.05	3.30E-01	1.07	0.91	1.26	4.14E-01	0.91	0.66	1.26	5.74E-01
rs457008	1.01	0.79	1.30	9.26E-01	0.93	0.74	1.18	5.50E-01	0.96	0.88	1.04	3.50E-01	1.05	0.89	1.23	5.62E-01	0.90	0.65	1.24	5.02E-01
rs10036746					0.74	0.48	1.15	1.98E-01	1.09	0.95	1.26	2.00E-01	0.94	0.71	1.25	6.91E-01	0.86	0.49	1.50	6.06E-01
rs10515550					0.87	0.68	1.10	2.96E-01	0.99	0.91	1.08	8.30E-01	1.06	0.91	1.24	4.70E-01	1.04	0.76	1.44	7.98E-01
rs13167773					0.99	0.69	1.42	7.18E-01	1.08	0.95	1.23	2.20E-01	1.14	0.89	1.44	2.97E-01	0.90	0.58	1.42	6.44E-01
rs10051783	0.83	0.59	1.19	3.11E-01	0.96	0.68	1.33	7.59E-01	0.92	0.81	1.04	1.60E-01	0.91	0.73	1.14	4.06E-01	1.32	0.83	2.09	2.48E-01
rs10948172					1.16	0.90	1.49	2.87E-01	1.03	0.94	1.13	5.00E-01	1.10	0.92	1.31	3.14E-01	1.13	0.80	1.61	5.00E-01
rs9350591	1.21	0.85	1.72	2.96E-01	0.88	0.60	1.30	5.14E-01	1.06	0.93	1.22	3.70E-01	1.04	0.81	1.34	7.56E-01	0.62	0.36	1.06	7.81E-02
rs10943837	0.94	0.71	1.24	6.57E-01	1.27	0.99	1.62	6.53E-02	0.99	0.90	1.08	7.80E-01	0.98	0.82	1.16	7.95E-01	1.44	1.04	2.00	2.14E-02
rs2493984	1.12	0.85	1.48	4.23E-01	1.08	0.84	1.39	4.86E-01	1.03	0.94	1.13	5.60E-01	1.10	0.93	1.31	2.72E-01	1.12	0.80	1.59	5.15E-01
rs7755798	0.96	0.67	1.36	8.07E-01	0.51	0.35	0.75	8.83E-04	0.91	0.81	1.02	1.00E-01	0.96	0.78	1.18	6.82E-01	1.23	0.80	1.88	3.56E-01
rs2027532	1.09	0.83	1.44	5.36E-01	0.85	0.63	1.14	2.29E-01	1.07	0.97	1.19	1.90E-01	1.18	0.98	1.42	7.29E-02	0.93	0.63	1.36	7.03E-01
rs6931833					1.02	0.78	1.35	9.38E-01	1.00	0.91	1.11	9.80E-01	1.12	0.93	1.34	2.28E-01	1.03	0.71	1.50	8.52E-01
rs17627827					1.25	0.82	1.91	2.88E-01	0.97	0.81	1.15	7.10E-01	0.85	0.61	1.18	3.34E-01	0.98	0.48	2.00	9.55E-01
rs6461679	0.93	0.73	1.20	5.86E-01	0.84	0.66	1.08	1.59E-01	0.98	0.90	1.07	7.00E-01	1.06	0.90	1.25	5.01E-01	1.08	0.78	1.50	6.47E-01
rs7785659	1.06	0.76	1.48	7.31E-01	1.32	0.98	1.79	7.26E-02	1.09	0.96	1.22	1.80E-01	1.07	0.86	1.32	5.74E-01	0.99	0.62	1.57	9.57E-01
rs7805536					1.32	0.98	1.76	6.93E-02	1.06	0.95	1.19	3.10E-01	1.04	0.84	1.28	7.25E-01	1.14	0.73	1.76	5.57E-01
rs1859572	0.86	0.62	1.19	3.69E-01	1.16	0.87	1.53	4.46E-01	1.01	0.91	1.12	9.00E-01	0.97	0.80	1.18	7.80E-01	1.53	1.06	2.21	2.28E-02
rs6466265					1.30	0.99	1.72	6.66E-02	0.91	0.82	1.02	1.00E-01	1.07	0.88	1.31	4.78E-01	1.32	0.90	1.94	1.72E-01
rs2966417	1.10	0.80	1.51	5.52E-01	1.29	0.98	1.69	9.46E-02	1.07	0.96	1.19	2.10E-01	0.89	0.73	1.09	2.55E-01	0.92	0.63	1.34	6.52E-01
rs4841020	1.53	1.06	2.19	2.21E-02	0.73	0.52	1.04	7.65E-02	0.96	0.85	1.07	4.40E-01	1.18	0.96	1.45	1.23E-01	0.92	0.60	1.41	7.08E-01
rs1876836	1.45	1.06	1.98	2.02E-02	0.82	0.61	1.09	1.59E-01	1.01	0.91	1.12	8.40E-01	1.12	0.93	1.35	2.46E-01	1.09	0.75	1.59	6.66E-01
rs4841067	1.23	0.86	1.76	2.56E-01	0.84	0.59	1.20	4.17E-01	1.01	0.89	1.14	9.40E-01	0.96	0.76	1.21	7.40E-01	0.96	0.63	1.48	8.62E-01
rs609792					1.17	0.88	1.56	2.78E-01	0.99	0.89	1.11	9.10E-01	0.91	0.74	1.12	3.75E-01	1.19	0.81	1.75	3.78E-01
rs6997710	0.95	0.64	1.42	8.11E-01	1.18	0.81	1.70	4.27E-01	0.96	0.81	1.14	6.40E-01	1.31	0.98	1.74	6.74E-02	0.72	0.41	1.30	2.77E-01
rs1421259					1.02	0.80	1.30	8.54E-01	1.05	0.96	1.15	2.50E-01	1.01	0.86	1.19	9.04E-01	0.87	0.62	1.22	4.11E-01
rs2289496	1.03	0.79	1.34	8.13E-01	0.95	0.74	1.22	5.47E-01	1.01	0.93	1.11	7.60E-01	1.11	0.94	1.31	2.37E-01	0.92	0.66	1.29	6.06E-01
rs16870112	1.00	0.57	1.74	9.97E-01	0.84	0.53	1.31	4.63E-01	1.07	0.92	1.24	3.80E-01	0.80	0.59	1.07	1.34E-01	1.43	0.86	2.38	1.62E-01
rs4072286	0.97	0.72	1.30	8.28E-01	0.97	0.76	1.24	6.86E-01	0.93	0.84	1.03	1.80E-01	0.92	0.78	1.09	3.48E-01	0.92	0.66	1.29	6.06E-01
rs2146423					1.15	0.90	1.46	2.27E-01	0.97	0.89	1.06	5.10E-01	0.99	0.84	1.17	8.94E-01	1.18	0.85	1.63	2.92E-01
rs945442	0.92	0.69	1.23	5.82E-01	0.98	0.74	1.29	9.62E-01	1.03	0.93	1.14	5.50E-01	1.14	0.95	1.38	1.62E-01	0.84	0.58	1.22	3.55E-01
rs3780296	0.93	0.71	1.20	5.61E-01	0.91	0.71	1.16	4.47E-01	1.08	0.99	1.18	9.00E-02	1.08	0.92	1.28	3.40E-01	1.07	0.78	1.48	6.71E-01
rs4836732	1.19	0.92	1.54	1.93E-01	0.88	0.69	1.11	1.76E-01	1.00	0.92	1.09	9.60E-01	0.92	0.78	1.08	2.95E-01	0.97	0.71	1.34	8.73E-01
rs2900277	0.79	0.59	1.05	1.03E-01	1.04	0.79	1.37	9.10E-01	0.91	0.82	1.01	7.00E-02	0.91	0.75	1.10	3.28E-01	0.98	0.68	1.41	9.07E-01
rs9299558					1.22	0.96	1.54	1.07E-01	0.94	0.86	1.02	1.40E-01	1.01	0.86	1.18	9.50E-01	0.83	0.60	1.14	2.68E-01
rs787640					1.13	0.87	1.46	3.33E-01	0.93	0.84	1.03	1.50E-01	0.98	0.82	1.18	8.34E-01	0.89	0.62	1.28	5.46E-01
rs11188412	0.88	0.54	1.44	6.22E-01	0.60	0.34	1.03	6.66E-02	0.89	0.75	1.07	2.30E-01	1.09	0.78	1.52	6.07E-01	0.58	0.26	1.31	1.73E-01
rs4757420	1.09	0.81	1.48	5.68E-01	1.04	0.75	1.44	5.63E-01	0.91	0.81	1.03	1.40E-01	1.05	0.84	1.31	6.70E-01	0.74	0.46	1.19	2.13E-01
rs7119797					1.00	0.79	1.27	8.01E-01	1.01	0.92	1.10	8.90E-01	0.99	0.84	1.16	8.53E-01	0.94	0.68	1.30	6.98E-01
rs17159801					1.32	0.92	1.90	1.52E-01	0.97	0.84	1.12	6.50E-01	1.05	0.80	1.37	7.28E-01	0.90	0.52	1.55	6.85E-01
rs2691829					0.76	0.59	0.97	3.17E-02	0.97	0.89	1.06	4.89E-01	0.81	0.69	0.96	1.50E-02	1.18	0.85	1.64	3.24E-01
rs6589848					1.16	0.87	1.55	4.16E-01	1.00	0.90	1.12	9.70E-01	1.11	0.91	1.36	3.04E-01	0.89	0.59	1.34	5.71E-01
rs7941193	1.05	0.76	1.46	7.75E-01	1.16	0.86	1.56	4.54E-01	1.03	0.92	1.16	6.10E-01	1.00	0.81	1.23	9.98E-01	1.04	0.69	1.55	8.58E-01
rs7122854					1.33	1.01	1.75	8.71E-02	1.09	0.97	1.21	1.40E-01	0.89	0.72	1.10	2.70E-01	0.92	0.62	1.37	6.91E-01
rs7305794					1.16	0.90	1.50	2.66E-01	1.04	0.95	1.14	4.10E-01	1.09	0.91	1.30	3.61E-01	1.34	0.95	1.88	8.14E-02
rs10492367	0.99	0.72	1.37	9.57E-01	1.04	0.77	1.41	7.08E-01	1.01	0.91	1.13	8.00E-01	0.95	0.77	1.17	6.29E-01	0.83	0.54	1.27	3.72E-01
rs6487684	1.00	0.76	1.33	9.80E-01	1.09	0.82	1.44	6.03E-01	0.95	0.86	1.06	3.80E-01	0.97	0.79	1.18	7.35E-01	1.07	0.71	1.61	7.34E-01
rs1034762	0.88	0.63	1.22	4.42E-01	1.02	0.73	1.42	8.62E-01	1.13	1.00	1.27	5.00E-02	1.18	0.95	1.46	1.24E-01	1.28	0.83	1.97	2.64E-01
rs1404866					0.73	0.54	0.99	7.17E-02	1.01	0.92	1.12	7.90E-01	1.11	0.91	1.34	3.01E-01	0.98	0.67	1.43	9.06E-01
rs835487	0.98	0.75	1.29	8.98E-01	1.20	0.94	1.54	8.95E-02	1.00	0.91	1.10	9.60E-01	0.74	0.62	0.89	1.09E-03	0.78	0.56	1.09	1.65E-01
rs11064722	0.82	0.58	1.16	2.63E-01	0.69	0.49	0.97	2.80E-02	0.99	0.89	1.10	8.60E-01	1.01	0.83	1.24	9.07E-01	0.83	0.55	1.25	3.71E-01
rs9520058					0.84	0.65	1.09	1.91E-01	0.99	0.90	1.08	7.60E-01	1.03	0.88	1.22	6.89E-01	0.89	0.64	1.23	4.94E-01
rs7155791	1.21	0.84	1.76	3.12E-01	0.60	0.38	0.94	1.91E-02	1.14	1.01	1.30	4.00E-02	0.95	0.74	1.21	6.76E-01	0.75	0.46	1.22	2.53E-01
rs11634255					1.04	0.82	1.32	6.67E-01	1.02	0.93	1.11	6.80E-01	1.01	0.86	1.18	9.21E-01	0.92	0.67	1.27	6.21E-01
rs4646626	1.09	0.84	1.42	5.01E-01	0.97	0.77	1.23	9.24E-01	1.05	0.96	1.14	3.00E-01	0.94	0.80	1.11	4.89E-01	1.04	0.76	1.44	7.83E-01
rs8032755					1.01	0.80	1.29	9.23E-01	1.03	0.94	1.12	5.80E-01	0.98	0.83	1.15	7.69E-01	1.05	0.76	1.46	7.31E-01
rs2908646					0.79	0.62	1.00	6.11E-02	1.04	0.96	1.14	3.40E-01	0.88	0.75	1.04	1.29E-01	0.80	0.58	1.10	1.80E-01
rs12596722					0.63	0.48	0.83	9.42E-04	1.05	0.96	1.16	2.70E-01	0.93	0.78	1.10	3.90E-01	1.10	0.78	1.53	5.94E-01
rs12923310					1.31	1.02	1.66	4.62E-02	0.99	0.91	1.09	8.80E-01	1.02	0.86	1.21	8.28E-01	0.67	0.47	0.94	2.03E-02
rs8044769	0.81	0.62	1.04	9.94E-02	0.87	0.69	1.10	2.58E-01	0.97	0.89	1.06	4.70E-01	0.97	0.82	1.14	7.14E-01	0.72	0.52	0.99	3.93E-02
rs9937815					1.14	0.89	1.45	1.96E-01	0.93	0.85	1.02	1.50E-01	0.94	0.79	1.11	4.82E-01	0.87	0.62	1.22	4.24E-01
rs7404629	1.53	1.09	2.15	1.33E-02	1.10	0.83	1.46	4.75E-01	1.15	1.04	1.28	1.00E-02	1.09	0.90	1.33	3.77E-01	0.88	0.59	1.32	5.53E-01
rs4078062	0.81	0.54	1.20	2.88E-01	0.65	0.41	1.02	9.62E-02	1.02	0.89	1.17	7.80E-01	0.89	0.68	1.16	3.84E-01	1.20	0.77	1.86	4.22E-01
rs8080960	1.13	0.87	1.45	3.67E-01	1.24	0.98	1.57	8.36E-02	1.03	0.95	1.12	4.80E-01	1.05	0.89	1.23	5.89E-01	1.07	0.78	1.48	6.77E-01
rs11665347					1.45	1.13	1.86	2.71E-03	1.03	0.94	1.14	5.10E-01	0.99	0.83	1.18	8.91E-01	0.89	0.63	1.26	5.02E-01
rs17089382					0.83	0.56	1.23	3.25E-01	0.93	0.81	1.07	3.00E-01	0.97	0.75	1.24	7.85E-01	1.58	0.99	2.51	5.12E-02
rs12974139					1.10	0.87	1.40	5.21E-01	0.96	0.88	1.05	4.00E-01	1.17	0.99	1.37	6.13E-02	1.02	0.74	1.41	8.76E-01
rs10426443	1.40	1.01	1.92	4.06E-02	1.25	0.93	1.68	1.22E-01	1.01	0.90	1.13	8.70E-01	0.95	0.77	1.18	6.63E-01	1.18	0.79	1.76	4.15E-01
rs10426377					0.77	0.57	1.04	8.94E-02	1.03	0.93	1.15	5.40E-01	1.06	0.88	1.28	5.43E-01	1.00	0.69	1.44	9.81E-01
rs1360400	0.80	0.61	1.03	8.40E-02	1.15	0.91	1.47	2.89E-01	1.02	0.94	1.11	6.40E-01	1.05	0.89	1.24	5.74E-01	0.96	0.69	1.32	7.78E-01
rs17785895	1.12	0.69	1.81	6.39E-01	0.99	0.68	1.43	8.54E-01	0.96	0.83	1.10	5.40E-01	1.01	0.78	1.31	9.46E-01	1.03	0.62	1.72	9.01E-01
rs4925370					1.05	0.82	1.33	9.82E-01	1.06	0.97	1.15	2.20E-01	1.03	0.88	1.21	7.19E-01	1.10	0.80	1.52	5.63E-01
rs3747081	0.94	0.67	1.34	7.45E-01	0.85	0.58	1.26	3.38E-01	1.04	0.91	1.19	5.40E-01	1.07	0.84	1.37	5.94E-01	0.97	0.59	1.59	8.95E-01
rs7287616	1.00	0.73	1.37	9.99E-01	0.96	0.73	1.26	7.78E-01	0.96	0.86	1.06	4.00E-01	0.95	0.79	1.14	5.81E-01	0.88	0.61	1.29	5.25E-01
rs5762347					1.32	1.03	1.68	3.18E-02	1.01	0.91	1.12	8.30E-01	1.06	0.89	1.25	5.20E-01	1.05	0.75	1.48	7.56E-01

Marker	UK_replication				TKR_UK_replication				UK_replication KNEE+			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169												
rs1417066	1.00	0.90	1.10	9.46E-01	1.02	0.91	1.14	7.82E-01	1.03	0.94	1.13	5.44E-01
rs1629896												
rs987179												
rs1024816												
rs3791679												
rs10779958												
rs6754683												
rs4622728												
rs1432237												
rs12618428												
rs6716254												
rs6793234												
rs11177	1.04	0.94	1.15	4.33E-01	1.04	0.92	1.17	5.31E-01	1.04	0.95	1.15	4.04E-01
rs6976	1.05	0.95	1.17	3.37E-01	1.05	0.94	1.18	3.73E-01	1.05	0.95	1.16	3.21E-01
rs10510816												
rs1355782												
rs16851066												
rs12107036	0.98	0.89	1.08	6.87E-01	0.95	0.85	1.06	3.72E-01	0.99	0.90	1.09	8.00E-01
rs16837352												
rs17578878												
rs11725992												
rs12500935												
rs1566347												
rs4957048	0.97	0.86	1.09	5.75E-01	0.95	0.83	1.09	4.50E-01	0.97	0.87	1.09	6.48E-01
rs2610424												
rs457008												
rs10036746												
rs10515550												
rs13167773												
rs10051783												
rs10948172	1.09	0.98	1.21	1.27E-01	1.18	1.04	1.33	8.94E-03	1.07	0.97	1.19	1.81E-01
rs9350591	0.95	0.81	1.12	5.74E-01	0.94	0.78	1.13	4.82E-01	0.96	0.83	1.13	6.43E-01
rs10943837												
rs2493984	0.97	0.87	1.08	5.42E-01	0.98	0.87	1.11	7.73E-01	0.96	0.86	1.06	3.88E-01
rs7755798												
rs2027532												
rs6931833												
rs17627827												
rs6461679												
rs7785659	1.01	0.87	1.16	9.36E-01	1.03	0.88	1.21	7.26E-01	1.03	0.90	1.18	6.45E-01
rs7805536	1.03	0.90	1.18	6.58E-01	1.04	0.89	1.21	6.14E-01	1.08	0.95	1.23	2.17E-01
rs1859572												
rs6466265	0.87	0.77	0.99	4.16E-02	0.86	0.74	1.00	5.36E-02	0.87	0.76	0.98	2.31E-02
rs2966417												
rs4841020												
rs1876836	1.01	0.90	1.13	8.98E-01	1.03	0.90	1.17	6.85E-01	0.99	0.89	1.11	9.10E-01
rs4841067												
rs609792												
rs6997710												
rs1421259												
rs2289496												
rs16870112												
rs4072286												
rs2146423												
rs945442												
rs3780296												
rs4836732	0.94	0.85	1.04	2.63E-01	0.96	0.86	1.08	4.97E-01	1.00	0.91	1.10	9.45E-01
rs2900277	1.09	0.97	1.22	1.48E-01	1.13	0.99	1.29	6.42E-02	1.06	0.95	1.18	3.08E-01
rs9299558												
rs787640												
rs11188412	1.05	0.86	1.28	6.30E-01	1.18	0.95	1.46	1.42E-01	0.98	0.80	1.18	7.96E-01
rs4757420												
rs7119797												
rs17159801												
rs2691829												
rs6589848												
rs7941193	0.90	0.79	1.03	1.19E-01	0.87	0.75	1.01	5.99E-02	0.91	0.81	1.03	1.39E-01
rs7122854												
rs7305794												
rs10492367	0.91	0.80	1.03	1.38E-01	0.92	0.79	1.06	2.49E-01	0.90	0.79	1.02	8.75E-02
rs6487684												
rs1034762												
rs1404866												
rs835487	1.05	0.95	1.17	3.56E-01	1.05	0.93	1.19	4.01E-01	1.05	0.95	1.16	3.13E-01
rs11064722												
rs9520058												
rs7155791												
rs11634255												
rs4646626												
rs8032755	1.02	0.92	1.13	6.62E-01	0.98	0.87	1.10	7.04E-01	0.99	0.90	1.09	8.52E-01
rs2908646												
rs12596722												
rs12923310												
rs8044769	0.97	0.88	1.08	5.93E-01	0.94	0.84	1.05	2.61E-01	0.97	0.88	1.06	5.04E-01
rs9937815												
rs7404629												
rs4078062												
rs8080960												
rs11665347												
rs17089382												
rs12974139	1.00	0.91	1.11	9.65E-01	1.02	0.91	1.14	7.95E-01	1.02	0.93	1.13	6.49E-01
rs10426443												
rs10426377												
rs1360400												
rs17785895												
rs4925370	1.10	0.99	1.21	7.94E-02	1.11	0.99	1.24	8.76E-02	1.07	0.97	1.17	2.01E-01
rs3747081												
rs7287616												
rs5762347	1.07	0.96	1.19	2.24E-01	1.03	0.92	1.17	6.01E-01	1.08	0.98	1.20	1.20E-01

Marker	Meta arcOGEN_insilico_denovo_fixed						Meta arcOGEN_insilico_denovo_random					
	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
rs1854169	0.93	0.89	0.98	3.16E-03	1.87E-02	0.606	0.96	0.87	1.06	4.32E-01	1.87E-02	0.606
rs1417066	1.05	1.01	1.09	1.18E-02	3.30E-01	0.131	1.04	1.00	1.09	4.51E-02	3.30E-01	0.131
rs1629896	1.13	1.06	1.22	3.70E-04	1.86E-01	0.316	1.11	1.00	1.23	4.70E-02	1.86E-01	0.316
rs987179	0.98	0.94	1.03	4.36E-01	4.58E-01	0.000	0.98	0.94	1.03	4.36E-01	4.58E-01	0.000
rs1024816	1.08	1.00	1.16	4.43E-02	5.13E-01	0.000	1.08	1.00	1.16	4.43E-02	5.13E-01	0.000
rs3791679	0.98	0.93	1.02	3.19E-01	1.16E-01	0.413	1.00	0.92	1.07	9.09E-01	1.16E-01	0.413
rs10779958	1.06	1.01	1.13	2.59E-02	8.79E-02	0.478	1.03	0.94	1.14	5.04E-01	8.79E-02	0.478
rs6754683	0.97	0.93	1.00	8.64E-02	9.59E-02	0.443	0.96	0.90	1.03	2.60E-01	9.59E-02	0.443
rs4622728	0.96	0.92	1.00	3.37E-02	3.90E-02	0.548	0.99	0.92	1.06	7.26E-01	3.90E-02	0.548
rs1432237	1.04	0.99	1.09	1.15E-01	7.49E-01	0.000	1.04	0.99	1.09	1.15E-01	7.49E-01	0.000
rs12618428	0.91	0.86	0.97	2.17E-03	4.57E-03	0.705	0.98	0.85	1.12	7.34E-01	4.57E-03	0.705
rs6716254	0.96	0.92	1.01	9.64E-02	6.51E-01	0.000	0.96	0.92	1.01	9.64E-02	6.51E-01	0.000
rs6793234	1.04	0.98	1.11	1.86E-01	4.30E-02	0.539	0.99	0.88	1.12	9.07E-01	4.30E-02	0.539
rs11177	1.06	1.02	1.10	3.58E-03	2.34E-01	0.244	1.05	1.00	1.10	6.78E-02	2.34E-01	0.244
rs6976	1.06	1.02	1.10	2.26E-03	2.94E-01	0.172	1.05	1.00	1.10	3.50E-02	2.94E-01	0.172
rs10510816	0.94	0.91	0.98	3.42E-03	4.96E-01	0.000	0.94	0.91	0.98	3.42E-03	4.96E-01	0.000
rs1355782	0.92	0.89	0.96	1.10E-04	1.54E-03	0.720	0.98	0.89	1.08	6.61E-01	1.54E-03	0.720
rs16851066	1.07	0.99	1.16	9.54E-02	6.74E-01	0.000	1.07	0.99	1.16	9.54E-02	6.74E-01	0.000
rs12107036	0.94	0.91	0.98	1.99E-03	1.92E-01	0.295	0.96	0.91	1.01	1.01E-01	1.92E-01	0.295
rs16837352	1.05	1.00	1.10	4.43E-02	5.49E-03	0.698	1.05	0.95	1.17	3.41E-01	5.49E-03	0.698
rs17578878	0.88	0.83	0.94	1.46E-04	9.77E-02	0.440	0.91	0.82	1.01	8.83E-02	9.77E-02	0.440
rs11725992	0.91	0.84	0.98	1.21E-02	4.77E-03	0.704	0.99	0.83	1.18	9.07E-01	4.77E-03	0.704
rs12500935	1.08	1.01	1.15	2.82E-02	1.98E-02	0.627	1.01	0.88	1.15	9.26E-01	1.98E-02	0.627
rs1566347	0.93	0.89	0.97	7.18E-04	2.75E-03	0.700	0.97	0.88	1.07	5.14E-01	2.75E-03	0.700
rs4957048	0.93	0.89	0.97	1.11E-03	3.54E-01	0.098	0.93	0.89	0.98	6.94E-03	3.54E-01	0.098
rs2610424	1.05	1.01	1.10	8.30E-03	1.27E-03	0.726	0.99	0.90	1.09	8.95E-01	1.27E-03	0.726
rs457008	0.93	0.89	0.96	1.41E-04	1.78E-01	0.327	0.95	0.89	1.00	6.54E-02	1.78E-01	0.327
rs10036746	1.02	0.95	1.09	6.39E-01	3.75E-01	0.065	1.01	0.94	1.09	7.46E-01	3.75E-01	0.065
rs10515550	0.97	0.93	1.00	7.76E-02	6.29E-01	0.000	0.97	0.93	1.00	7.76E-02	6.29E-01	0.000
rs13167773	0.93	0.88	0.98	1.15E-02	8.85E-03	0.675	0.97	0.87	1.09	6.37E-01	8.85E-03	0.675
rs10051783	1.05	0.99	1.11	1.00E-01	9.04E-02	0.451	1.02	0.93	1.12	7.03E-01	9.04E-02	0.451
rs10948172	1.07	1.03	1.12	5.97E-04	9.69E-01	0.000	1.07	1.03	1.12	5.97E-04	9.69E-01	0.000
rs9350591	1.00	0.94	1.06	9.11E-01	5.55E-01	0.000	1.00	0.94	1.06	9.11E-01	5.55E-01	0.000
rs10943837	0.98	0.94	1.02	3.42E-01	7.30E-02	0.480	1.00	0.93	1.07	9.60E-01	7.30E-02	0.480
rs2493984	1.06	1.02	1.10	6.54E-03	7.85E-01	0.000	1.06	1.02	1.10	6.54E-03	7.85E-01	0.000
rs7755798	1.05	1.00	1.11	4.36E-02	1.38E-04	0.779	0.97	0.84	1.12	6.98E-01	1.38E-04	0.779
rs2027532	1.04	1.00	1.09	5.99E-02	1.24E-01	0.400	1.03	0.96	1.11	3.90E-01	1.24E-01	0.400
rs6931833	1.02	0.98	1.07	2.91E-01	8.13E-01	0.000	1.02	0.98	1.07	2.91E-01	8.13E-01	0.000
rs17627827	1.00	0.91	1.09	9.24E-01	7.12E-01	0.000	1.00	0.91	1.09	9.24E-01	7.12E-01	0.000
rs6461679	0.94	0.90	0.97	1.29E-03	4.14E-01	0.014	0.94	0.90	0.98	1.83E-03	4.14E-01	0.014
rs7785659	1.09	1.03	1.14	1.99E-03	8.75E-01	0.000	1.09	1.03	1.14	1.99E-03	8.75E-01	0.000
rs7805536	1.07	1.02	1.13	5.74E-03	7.60E-01	0.000	1.07	1.02	1.13	5.74E-03	7.60E-01	0.000
rs1859572	1.07	1.02	1.12	8.13E-03	1.96E-01	0.304	1.07	1.00	1.14	6.64E-02	1.96E-01	0.304
rs6466265	1.06	1.01	1.11	1.12E-02	1.88E-04	0.773	1.06	0.95	1.19	3.23E-01	1.88E-04	0.773
rs2966417	0.99	0.95	1.04	8.19E-01	2.62E-01	0.220	1.00	0.94	1.07	9.32E-01	2.62E-01	0.220
rs4841020	0.94	0.89	0.99	1.76E-02	8.62E-03	0.651	0.98	0.88	1.10	7.89E-01	8.62E-03	0.651
rs1876836	0.96	0.92	1.00	6.99E-02	2.26E-02	0.570	1.00	0.92	1.08	9.27E-01	2.26E-02	0.570
rs4841067	0.94	0.89	0.99	2.36E-02	2.48E-01	0.237	0.95	0.89	1.03	2.22E-01	2.48E-01	0.237
rs609792	1.03	0.98	1.08	2.76E-01	6.27E-01	0.000	1.03	0.98	1.08	2.76E-01	6.27E-01	0.000
rs6997710	1.09	1.02	1.17	8.90E-03	3.45E-01	0.111	1.09	1.01	1.18	3.71E-02	3.45E-01	0.111
rs1421259	0.99	0.95	1.03	4.93E-01	1.79E-01	0.343	0.98	0.92	1.04	5.21E-01	1.79E-01	0.343
rs2289496	0.97	0.93	1.01	1.70E-01	4.77E-01	0.000	0.97	0.93	1.01	1.70E-01	4.77E-01	0.000
rs16870112	1.06	0.99	1.14	8.78E-02	3.24E-01	0.138	1.05	0.97	1.14	2.45E-01	3.24E-01	0.138
rs4072286	1.03	0.99	1.07	1.40E-01	3.21E-02	0.565	0.99	0.91	1.07	7.70E-01	3.21E-02	0.565
rs2146423	0.94	0.91	0.98	2.84E-03	9.63E-03	0.671	0.99	0.91	1.07	7.63E-01	9.63E-03	0.671
rs945442	1.01	0.96	1.05	7.47E-01	5.14E-01	0.000	1.01	0.96	1.05	7.47E-01	5.14E-01	0.000
rs3780296	1.07	1.03	1.11	1.40E-03	1.00E-01	0.436	1.04	0.97	1.11	2.31E-01	1.00E-01	0.436
rs4836732	0.98	0.95	1.02	4.11E-01	5.17E-01	0.000	0.98	0.95	1.02	4.11E-01	5.17E-01	0.000
rs2900277	0.92	0.88	0.96	9.67E-05	8.25E-02	0.444	0.93	0.87	1.00	3.94E-02	8.25E-02	0.444
rs9299558	0.97	0.93	1.01	9.73E-02	1.92E-02	0.629	0.99	0.92	1.08	8.83E-01	1.92E-02	0.629
rs787640	0.98	0.94	1.02	3.52E-01	7.14E-01	0.000	0.98	0.94	1.02	3.52E-01	7.14E-01	0.000
rs11188412	0.85	0.79	0.92	3.76E-05	7.22E-02	0.461	0.88	0.77	0.99	3.60E-02	7.22E-02	0.461
rs4757420	0.92	0.87	0.97	2.88E-03	4.79E-01	0.000	0.92	0.87	0.97	2.88E-03	4.79E-01	0.000
rs7119797	0.99	0.95	1.03	7.09E-01	6.80E-01	0.000	0.99	0.95	1.03	7.09E-01	6.80E-01	0.000
rs17159801	1.06	1.00	1.13	5.67E-02	5.57E-01	0.000	1.06	1.00	1.13	5.67E-02	5.57E-01	0.000
rs2691829	1.03	0.99	1.08	1.13E-01	4.33E-04	0.777	0.97	0.87	1.08	5.78E-01	4.33E-04	0.777
rs6589848	1.01	0.96	1.06	7.08E-01	7.93E-01	0.000	1.01	0.96	1.06	7.08E-01	7.93E-01	0.000
rs7941193	1.05	1.00	1.10	3.86E-02	3.51E-01	0.102	1.05	0.99	1.10	9.25E-02	3.51E-01	0.102
rs7122854	1.04	0.99	1.10	1.19E-01	8.81E-02	0.478	1.03	0.94	1.12	5.38E-01	8.81E-02	0.478
rs7305794	1.07	1.02	1.11	3.45E-03	3.03E-01	0.171	1.06	1.01	1.12	2.40E-02	3.03E-01	0.171
rs10492367	1.00	0.96	1.05	8.96E-01	1.26E-01	0.380	0.98	0.91	1.05	5.32E-01	1.26E-01	0.380
rs6487684	1.06	1.01	1.11	1.94E-02	2.86E-01	0.188	1.05	0.99	1.11	1.19E-01	2.86E-01	0.188
rs1034762	1.10	1.04	1.16	8.66E-04	6.89E-01	0.000	1.10	1.04	1.16	8.66E-04	6.89E-01	0.000
rs1404866	1.06	1.02	1.11	9.33E-03	1.57E-02	0.642	1.01	0.92	1.12	7.68E-01	1.57E-02	0.642
rs835487	1.00	0.97	1.04	8.27E-01	2.20E-02	0.572	0.99	0.92	1.06	6.85E-01	2.20E-02	0.572
rs11064722	1.04	0.99	1.09	1.13E-01	7.38E-02	0.479	1.01	0.93	1.09	8.70E-01	7.38E-02	0.479
rs9520058	0.97	0.93	1.01	1.57E-01	5.97E-01	0.000	0.97	0.93	1.01	1.57E-01	5.97E-01	0.000
rs7155791	1.02	0.97	1.09	4.04E-01	6.68E-04	0.744	0.96	0.82	1.11	5.39E-01	6.68E-04	0.744
rs11634255	1.05	1.01	1.09	1.21E-02	5.28E-01	0.000	1.05	1.01	1.09	1.21E-02	5.28E-01	0.000
rs4646626	1.10	1.05	1.14	5.93E-06	3.55E-01	0.096	1.09	1.04	1.14	2.22E-04	3.55E-01	0.096
rs8032755	0.96	0.93	1.00	3.07E-02	2.68E-01	0.212	0.97	0.93	1.01	1.85E-01	2.68E-01	0.212
rs2908646	1.03	0.99	1.07	1.09E-01	2.52E-02	0.610	0.99	0.91	1.07	7.43E-01	2.52E-02	0.610
rs12596722	1.06	1.02	1.11	3.72E-03	1.92E-05	0.830	0.97	0.86	1.10	6.71E-01	1.92E-05	0.830
rs12923310	0.95	0.91	0.98	7.08E-03	5.22E-03	0.700	0.97	0.89	1.07	5.71E-01	5.22E-03	0.700
rs8044769	0.93	0.89	0.96	3.52E-05	4.07E-01	0.029	0.93	0.89	0.96	7.86E-05	4.07E-01	0.029
rs9937815	0.98	0.94	1.02	4.17E-01	5.45E-01	0.000	0.98	0.94	1.02	4.17E-01	5.45E-01	0.000
rs7404629	1.00	0.95	1.05	9.92E-01	1.17E-03	0.728	1.06	0.94	1.19	3.34E-01	1.17E-03	0.728
rs4078062	1.06	0.99	1.12	7.85E-02	2.14E-02	0.596	0.98	0.86	1.11	7.19E-01	2.14E-02	0.596
rs8080960	1.04	1.00	1.08	3.24E-02	8.49E-01	0.000	1.04	1.00	1.08	3.24E-02	8.49E-01	0.000
rs11665347	0.93	0.89	0.98	1.88E-03	7.10E-04	0.765	0.99	0.88	1.10	8.15E-01	7.10E-04	0.765
rs17089382	1.01	0.95	1.07	7.31E-01	7.29E-02	0.504	0.99	0.89	1.10	9.00E-01	7.29E-02	0.504
rs12974139	0.98	0.94	1.01	2.11E-01	3.17E-01	0.148	0.98	0.94	1.02	3.97E-01	3.17E-01	0.148
rs10426443	0.99	0.94	1.04	5.75E-01	8.06E-02	0.467	1.03	0.94	1.12	5.60E-01	8.06E-02	0.467
rs10426377	1.02	0.98	1.06	3.20E-01	1.38E-01	0.402	1.01	0.96	1.08	6.38E-01	1.38E-01	0.402
rs1360400	1.05	1.01	1.09	1.11E-02	9.81E-02	0.439	1.03	0.96	1.10	3.81E-01	9.81E-02	0.439
rs17785895	0.89	0.83	0.95	2.08E-04	3.09E-01	0.158	0.90	0.84	0.98	1.08E-02	3.09E-01	0.158
rs4925370	1.10	1.06	1.14	8.81E-07	8.43E-01	0.000	1.10	1.06	1.14	8.81E-07	8.43E-01	0.000
rs3747081	1.08	1.02	1.15	7.68E-03	7.65E-01	0.000	1.08	1.02	1.15	7.68E-03	7.65E-01	0.000
rs7287616	0.97	0.93	1.01	1.74E-01	3.06E-01	0.162	0.98	0.92	1.03	3.89E-01	3.06E-01	0.162
rs5762347	1.05	1.01	1.09	2.17E-02	6.86E-01	0.000	1.05	1.01	1.09	2.17E-02	6.86E-01	0.000

Meta insilico_denovo_fixed						Meta insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.97	0.91	1.04	4.39E-01	3.83E-02	0.575	0.99	0.88	1.12	9.01E-01	3.83E-02	0.575
1.03	0.98	1.09	2.16E-01	2.92E-01	0.188	1.03	0.97	1.09	3.63E-01	2.92E-01	0.188
1.05	0.95	1.16	3.63E-01	4.84E-01	0.000	1.05	0.95	1.16	3.63E-01	4.84E-01	0.000
1.01	0.95	1.07	8.11E-01	4.77E-01	0.000	1.01	0.95	1.07	8.11E-01	4.77E-01	0.000
0.99	0.89	1.10	8.52E-01	9.47E-01	0.000	0.99	0.89	1.10	8.52E-01	9.47E-01	0.000
1.03	0.96	1.10	4.15E-01	3.08E-01	0.164	1.03	0.95	1.11	5.15E-01	3.08E-01	0.164
0.98	0.90	1.06	5.47E-01	8.06E-01	0.000	0.98	0.90	1.06	5.47E-01	8.06E-01	0.000
0.95	0.90	1.01	1.12E-01	6.36E-02	0.521	0.96	0.87	1.06	4.07E-01	6.36E-02	0.521
1.02	0.97	1.09	4.06E-01	6.20E-01	0.000	1.02	0.97	1.09	4.06E-01	6.20E-01	0.000
1.06	0.99	1.13	1.08E-01	7.07E-01	0.000	1.06	0.99	1.13	1.08E-01	7.07E-01	0.000
1.02	0.93	1.11	7.28E-01	2.82E-01	0.209	1.02	0.92	1.13	7.02E-01	2.82E-01	0.209
1.01	0.95	1.07	7.76E-01	9.95E-01	0.000	1.01	0.95	1.07	7.76E-01	9.95E-01	0.000
0.96	0.87	1.05	3.44E-01	2.25E-01	0.280	0.95	0.84	1.08	4.24E-01	2.25E-01	0.280
1.02	0.97	1.07	5.40E-01	7.00E-01	0.000	1.02	0.97	1.07	5.40E-01	7.00E-01	0.000
1.02	0.97	1.07	4.67E-01	7.09E-01	0.000	1.02	0.97	1.07	4.67E-01	7.09E-01	0.000
0.96	0.91	1.02	2.14E-01	5.01E-01	0.000	0.96	0.91	1.02	2.14E-01	5.01E-01	0.000
0.98	0.93	1.04	5.79E-01	2.45E-02	0.612	1.01	0.91	1.13	8.33E-01	2.45E-02	0.612
1.04	0.93	1.16	5.04E-01	6.13E-01	0.000	1.04	0.93	1.16	5.04E-01	6.13E-01	0.000
0.98	0.93	1.03	4.49E-01	5.90E-01	0.000	0.98	0.93	1.03	4.49E-01	5.90E-01	0.000
0.98	0.92	1.04	4.80E-01	5.18E-01	0.000	0.98	0.92	1.04	4.80E-01	5.18E-01	0.000
0.97	0.89	1.06	5.25E-01	7.96E-01	0.000	0.97	0.89	1.06	5.25E-01	7.96E-01	0.000
0.99	0.89	1.11	8.60E-01	1.58E-02	0.672	1.06	0.84	1.32	6.32E-01	1.58E-02	0.672
0.96	0.88	1.06	4.62E-01	3.72E-01	0.061	0.96	0.87	1.07	4.68E-01	3.72E-01	0.061
1.00	0.95	1.06	8.90E-01	1.89E-01	0.329	1.01	0.93	1.09	8.99E-01	1.89E-01	0.329
0.95	0.90	1.01	1.31E-01	4.21E-01	0.003	0.95	0.90	1.01	1.33E-01	4.21E-01	0.003
0.98	0.92	1.03	4.06E-01	1.15E-01	0.435	0.97	0.88	1.05	4.34E-01	1.15E-01	0.435
0.98	0.93	1.04	5.54E-01	9.19E-01	0.000	0.98	0.93	1.04	5.54E-01	9.19E-01	0.000
0.99	0.90	1.09	8.30E-01	3.10E-01	0.165	0.97	0.87	1.09	6.66E-01	3.10E-01	0.165
0.99	0.93	1.05	7.32E-01	7.28E-01	0.000	0.99	0.93	1.05	7.32E-01	7.28E-01	0.000
1.02	0.95	1.09	6.63E-01	5.82E-01	0.000	1.02	0.95	1.09	6.63E-01	5.82E-01	0.000
0.99	0.91	1.07	7.25E-01	2.31E-01	0.272	0.98	0.89	1.09	7.60E-01	2.31E-01	0.272
1.07	1.01	1.13	1.63E-02	9.34E-01	0.000	1.07	1.01	1.13	1.63E-02	9.34E-01	0.000
1.00	0.93	1.08	9.97E-01	4.39E-01	0.000	1.00	0.93	1.08	9.97E-01	4.39E-01	0.000
0.99	0.93	1.05	7.28E-01	4.45E-02	0.560	1.02	0.92	1.14	6.71E-01	4.45E-02	0.560
1.04	0.98	1.09	1.85E-01	8.10E-01	0.000	1.04	0.98	1.09	1.85E-01	8.10E-01	0.000
0.95	0.88	1.03	2.38E-01	8.54E-03	0.677	0.93	0.79	1.09	3.76E-01	8.54E-03	0.677
1.02	0.95	1.09	5.80E-01	1.13E-01	0.438	1.01	0.92	1.12	7.87E-01	1.13E-01	0.438
1.04	0.98	1.11	2.07E-01	7.88E-01	0.000	1.04	0.98	1.11	2.07E-01	7.88E-01	0.000
0.97	0.84	1.13	7.22E-01	5.75E-01	0.000	0.97	0.84	1.13	7.22E-01	5.75E-01	0.000
0.97	0.92	1.03	3.05E-01	6.68E-01	0.000	0.97	0.92	1.03	3.05E-01	6.68E-01	0.000
1.07	1.00	1.15	6.62E-02	8.36E-01	0.000	1.07	1.00	1.15	6.62E-02	8.36E-01	0.000
1.05	0.98	1.13	1.31E-01	7.22E-01	0.000	1.05	0.98	1.13	1.31E-01	7.22E-01	0.000
1.06	0.99	1.13	1.05E-01	1.28E-01	0.415	1.07	0.96	1.18	2.25E-01	1.28E-01	0.415
0.99	0.93	1.05	6.90E-01	7.72E-03	0.682	1.04	0.91	1.17	5.78E-01	7.72E-03	0.682
1.03	0.96	1.10	4.53E-01	2.90E-01	0.189	1.03	0.94	1.12	5.47E-01	2.90E-01	0.189
1.00	0.93	1.08	9.03E-01	4.85E-02	0.552	1.02	0.89	1.17	7.55E-01	4.85E-02	0.552
1.01	0.96	1.07	6.33E-01	1.77E-01	0.329	1.02	0.95	1.11	5.81E-01	1.77E-01	0.329
1.00	0.93	1.09	9.10E-01	7.93E-01	0.000	1.00	0.93	1.09	9.10E-01	7.93E-01	0.000
1.01	0.94	1.08	8.89E-01	5.91E-01	0.000	1.01	0.94	1.08	8.89E-01	5.91E-01	0.000
1.05	0.95	1.17	3.22E-01	3.31E-01	0.131	1.06	0.94	1.19	3.56E-01	3.31E-01	0.131
0.98	0.92	1.04	4.44E-01	1.14E-01	0.463	0.97	0.88	1.07	5.41E-01	1.14E-01	0.463
1.01	0.96	1.07	6.64E-01	8.85E-01	0.000	1.01	0.96	1.07	6.64E-01	8.85E-01	0.000
1.02	0.92	1.12	7.62E-01	3.55E-01	0.096	1.01	0.90	1.13	8.52E-01	3.55E-01	0.096
0.95	0.89	1.01	9.25E-02	9.88E-01	0.000	0.95	0.89	1.01	9.25E-02	9.88E-01	0.000
1.01	0.96	1.07	6.85E-01	5.24E-01	0.000	1.01	0.96	1.07	6.85E-01	5.24E-01	0.000
0.99	0.93	1.06	8.72E-01	4.22E-01	0.000	0.99	0.93	1.06	8.72E-01	4.22E-01	0.000
1.02	0.96	1.08	5.36E-01	3.16E-01	0.153	1.01	0.95	1.08	6.79E-01	3.16E-01	0.153
0.99	0.94	1.04	6.93E-01	4.12E-01	0.016	0.99	0.94	1.04	6.93E-01	4.12E-01	0.016
0.95	0.90	1.01	1.01E-01	1.72E-01	0.336	0.95	0.88	1.03	1.98E-01	1.72E-01	0.336
1.01	0.95	1.07	6.86E-01	5.65E-02	0.565	1.02	0.92	1.13	7.09E-01	5.65E-02	0.565
0.98	0.92	1.05	5.13E-01	5.73E-01	0.000	0.98	0.92	1.05	5.13E-01	5.73E-01	0.000
0.93	0.84	1.03	1.59E-01	3.71E-01	0.075	0.93	0.83	1.03	1.80E-01	3.71E-01	0.075
0.96	0.89	1.04	2.99E-01	6.07E-01	0.000	0.96	0.89	1.04	2.99E-01	6.07E-01	0.000
1.02	0.96	1.09	4.46E-01	8.64E-01	0.000	1.02	0.96	1.09	4.46E-01	8.64E-01	0.000
1.06	0.97	1.16	2.12E-01	4.14E-01	0.000	1.06	0.97	1.16	2.12E-01	4.14E-01	0.000
0.95	0.90	1.01	1.20E-01	4.38E-02	0.592	0.93	0.84	1.04	2.16E-01	4.38E-02	0.592
1.03	0.96	1.10	4.78E-01	7.35E-01	0.000	1.03	0.96	1.10	4.78E-01	7.35E-01	0.000
1.02	0.96	1.09	5.20E-01	4.12E-01	0.017	1.02	0.96	1.09	5.25E-01	4.12E-01	0.017
1.02	0.94	1.10	7.00E-01	6.65E-02	0.545	1.01	0.89	1.15	8.55E-01	6.65E-02	0.545
1.04	0.97	1.11	2.52E-01	3.24E-01	0.142	1.04	0.97	1.12	2.66E-01	3.24E-01	0.142
0.95	0.89	1.01	8.23E-02	6.79E-01	0.000	0.95	0.89	1.01	8.23E-02	6.79E-01	0.000
1.01	0.95	1.08	7.42E-01	5.11E-01	0.000	1.01	0.95	1.08	7.42E-01	5.11E-01	0.000
1.13	1.04	1.22	3.73E-03	6.73E-01	0.000	1.13	1.04	1.22	3.73E-03	6.73E-01	0.000
0.99	0.92	1.06	7.20E-01	2.24E-01	0.296	0.98	0.89	1.07	6.61E-01	2.24E-01	0.296
0.99	0.94	1.04	6.66E-01	1.60E-02	0.616	0.97	0.88	1.07	5.38E-01	1.60E-02	0.616
1.01	0.95	1.08	7.21E-01	6.65E-02	0.516	0.97	0.86	1.09	5.76E-01	6.65E-02	0.516
0.99	0.93	1.06	8.60E-01	6.28E-01	0.000	0.99	0.93	1.06	8.60E-01	6.28E-01	0.000
0.97	0.89	1.06	4.91E-01	1.08E-03	0.754	0.91	0.74	1.12	3.75E-01	1.08E-03	0.754
1.01	0.95	1.07	7.75E-01	9.76E-01	0.000	1.01	0.95	1.07	7.75E-01	9.76E-01	0.000
1.06	1.00	1.12	6.47E-02	5.77E-01	0.000	1.06	1.00	1.12	6.47E-02	5.77E-01	0.000
1.00	0.95	1.05	9.89E-01	9.04E-01	0.000	1.00	0.95	1.05	9.89E-01	9.04E-01	0.000
0.99	0.94	1.05	7.64E-01	6.05E-02	0.557	0.95	0.86	1.05	3.10E-01	6.05E-02	0.557
0.97	0.91	1.03	3.65E-01	7.94E-03	0.710	0.93	0.81	1.06	2.82E-01	7.94E-03	0.710
1.00	0.94	1.06	9.68E-01	3.84E-02	0.605	1.00	0.90	1.12	9.80E-01	3.84E-02	0.605
0.95	0.90	0.99	2.85E-02	4.73E-01	0.000	0.95	0.90	0.99	2.85E-02	4.73E-01	0.000
0.96	0.91	1.02	2.39E-01	5.08E-01	0.000	0.96	0.91	1.02	2.39E-01	5.08E-01	0.000
1.10	1.03	1.18	5.56E-03	1.88E-01	0.331	1.10	1.00	1.21	5.17E-02	1.88E-01	0.331
0.95	0.86	1.04	2.73E-01	3.13E-01	0.157	0.94	0.84	1.05	2.57E-01	3.13E-01	0.157
1.05	0.99	1.10	1.15E-01	7.53E-01	0.000	1.05	0.99	1.10	1.15E-01	7.53E-01	0.000
1.00	0.94	1.07	8.80E-01	2.10E-02	0.654	1.02	0.90	1.16	7.03E-01	2.10E-02	0.654
0.94	0.86	1.03	1.86E-01	2.60E-01	0.242	0.95	0.85	1.06	3.69E-01	2.60E-01	0.242
0.99	0.94	1.04	7.68E-01	2.86E-01	0.195	1.00	0.94	1.06	9.55E-01	2.86E-01	0.195
1.05	0.97	1.13	2.02E-01	3.17E-01	0.151	1.06	0.97	1.15	2.02E-01	3.17E-01	0.151
0.99	0.94	1.04	5.88E-01	3.88E-01	0.032	0.99	0.94	1.04	6.25E-01	3.88E-01	0.032
1.00	0.95	1.06	9.23E-01	3.87E-01	0.046	1.00	0.95	1.06	9.40E-01	3.87E-01	0.046
0.97	0.88	1.06	4.49E-01	9.80E-01	0.000	0.97	0.88	1.06	4.49E-01	9.80E-01	0.000
1.07	1.02	1.12	1.11E-02	9.92E-01	0.000	1.07	1.02	1.12	1.11E-02	9.92E-01	0.000
1.05	0.96	1.14	2.92E-01	8.29E-01	0.000	1.05	0.96	1.14	2.92E-01	8.29E-01	0.000
1.01	0.94	1.08	7.92E-01	4.78E-01	0.000	1.01	0.94	1.08	7.92E-01	4.78E-01	0.000
1.05	1.00	1.11	6.71E-02	5.70E-01	0.000	1.05	1.00	1.11	6.71E-02	5.70E-01	0.000

Meta TKR arcOGEN_insilico_denovo_fixed						Meta TKR arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.93	0.87	1.00	4.66E-02	9.52E-02	0.641	0.95	0.84	1.07	3.72E-01	9.52E-02	0.641
1.07	1.02	1.12	7.92E-03	3.71E-01	0.000	1.07	1.02	1.12	7.92E-03	3.71E-01	0.000
1.17	1.06	1.29	1.81E-03	4.06E-02	0.761	1.12	0.89	1.40	3.27E-01	4.06E-02	0.761
0.96	0.91	1.02	2.06E-01	3.26E-01	0.000	0.96	0.91	1.02	2.06E-01	3.26E-01	0.000
1.19	1.07	1.31	7.73E-04	8.44E-02	0.664	1.14	0.92	1.41	2.34E-01	8.44E-02	0.664
1.00	0.94	1.07	9.93E-01	8.29E-02	0.667	1.02	0.90	1.16	7.53E-01	8.29E-02	0.667
1.12	1.04	1.20	3.71E-03	7.85E-02	0.677	1.09	0.95	1.26	2.11E-01	7.85E-02	0.677
0.97	0.91	1.02	2.10E-01	8.33E-01	0.000	0.97	0.91	1.02	2.10E-01	8.33E-01	0.000
0.94	0.89	0.99	1.88E-02	1.33E-02	0.837	0.96	0.83	1.12	6.04E-01	1.33E-02	0.837
1.04	0.97	1.11	2.89E-01	7.27E-02	0.689	1.06	0.93	1.21	4.04E-01	7.27E-02	0.689
0.87	0.79	0.94	8.84E-04	3.92E-02	0.765	0.89	0.74	1.08	2.38E-01	3.92E-02	0.765
0.97	0.91	1.03	3.25E-01	3.04E-01	0.053	0.97	0.91	1.03	3.57E-01	3.04E-01	0.053
1.04	0.95	1.14	3.67E-01	4.88E-01	0.000	1.04	0.95	1.14	3.67E-01	4.88E-01	0.000
1.08	1.03	1.14	1.80E-03	3.60E-01	0.022	1.08	1.03	1.14	2.26E-03	3.60E-01	0.022
1.09	1.03	1.14	1.31E-03	3.98E-01	0.000	1.09	1.03	1.14	1.31E-03	3.98E-01	0.000
0.91	0.86	0.96	1.15E-03	7.15E-01	0.000	0.91	0.86	0.96	1.15E-03	7.15E-01	0.000
0.92	0.87	0.98	7.29E-03	1.74E-03	0.898	0.96	0.79	1.16	6.59E-01	1.74E-03	0.898
1.07	0.96	1.20	1.99E-01	6.75E-01	0.000	1.07	0.96	1.20	1.99E-01	6.75E-01	0.000
0.91	0.87	0.96	2.27E-04	7.02E-01	0.000	0.91	0.87	0.96	2.27E-04	7.02E-01	0.000
1.03	0.97	1.09	3.97E-01	3.52E-03	0.883	1.04	0.88	1.23	6.62E-01	3.52E-03	0.883
0.84	0.77	0.92	1.97E-04	3.09E-01	0.032	0.84	0.77	0.92	2.82E-04	3.09E-01	0.032
0.85	0.77	0.95	4.19E-03	4.79E-01	0.000	0.85	0.77	0.95	4.19E-03	4.79E-01	0.000
1.13	1.03	1.23	6.98E-03	1.12E-01	0.604	1.11	0.96	1.29	1.71E-01	1.12E-01	0.604
0.91	0.86	0.97	2.82E-03	1.68E-04	0.929	0.96	0.75	1.21	7.05E-01	1.68E-04	0.929
0.92	0.87	0.98	8.90E-03	1.25E-01	0.519	0.94	0.85	1.03	1.63E-01	1.25E-01	0.519
1.10	1.04	1.16	1.35E-03	1.16E-01	0.594	1.08	0.98	1.19	1.06E-01	1.16E-01	0.594
0.90	0.85	0.95	2.58E-04	2.16E-02	0.810	0.92	0.80	1.06	2.61E-01	2.16E-02	0.810
1.01	0.92	1.11	8.57E-01	1.85E-01	0.432	1.00	0.87	1.14	9.48E-01	1.85E-01	0.432
0.94	0.89	0.99	2.22E-02	3.11E-01	0.026	0.94	0.89	0.99	2.56E-02	3.11E-01	0.026
0.91	0.84	0.97	5.58E-03	5.78E-02	0.722	0.91	0.79	1.03	1.43E-01	5.78E-02	0.722
1.10	1.02	1.19	1.24E-02	8.90E-01	0.000	1.10	1.02	1.19	1.24E-02	8.90E-01	0.000
1.09	1.03	1.15	1.53E-03	3.96E-01	0.000	1.09	1.03	1.15	1.53E-03	3.96E-01	0.000
0.97	0.89	1.05	4.06E-01	9.20E-01	0.000	0.97	0.89	1.05	4.06E-01	9.20E-01	0.000
0.94	0.88	0.99	2.56E-02	6.18E-01	0.000	0.94	0.88	0.99	2.56E-02	6.18E-01	0.000
1.07	1.01	1.12	1.95E-02	3.35E-01	0.086	1.06	1.00	1.13	3.34E-02	3.35E-01	0.086
1.12	1.05	1.21	1.65E-03	5.64E-01	0.000	1.12	1.05	1.21	1.65E-03	5.64E-01	0.000
1.03	0.97	1.10	3.65E-01	1.65E-02	0.826	1.00	0.84	1.19	9.81E-01	1.65E-02	0.826
1.02	0.96	1.09	4.80E-01	2.55E-01	0.229	1.03	0.95	1.10	4.89E-01	2.55E-01	0.229
1.01	0.88	1.15	9.40E-01	1.00E+00	na	1.01	0.88	1.15	9.40E-01	1.00E+00	na
0.91	0.86	0.96	1.49E-03	5.03E-01	0.000	0.91	0.86	0.96	1.49E-03	5.03E-01	0.000
1.05	0.98	1.13	1.61E-01	9.42E-01	0.000	1.05	0.98	1.13	1.61E-01	9.42E-01	0.000
1.04	0.98	1.12	2.17E-01	8.42E-01	0.000	1.04	0.98	1.12	2.17E-01	8.42E-01	0.000
1.08	1.01	1.15	2.24E-02	3.67E-01	0.000	1.08	1.01	1.15	2.24E-02	3.67E-01	0.000
1.11	1.04	1.18	7.98E-04	9.06E-04	0.857	1.05	0.88	1.26	5.62E-01	9.06E-04	0.857
0.98	0.91	1.04	4.86E-01	8.92E-01	0.000	0.98	0.91	1.04	4.86E-01	8.92E-01	0.000
0.93	0.86	1.00	4.00E-02	1.97E-01	0.399	0.93	0.85	1.03	1.67E-01	1.97E-01	0.399
0.93	0.87	0.98	9.14E-03	7.83E-02	0.607	0.94	0.86	1.04	2.52E-01	7.83E-02	0.607
0.93	0.86	1.00	5.78E-02	1.23E-01	0.580	0.94	0.83	1.07	3.47E-01	1.23E-01	0.580
1.02	0.96	1.09	5.56E-01	9.24E-01	0.000	1.02	0.96	1.09	5.56E-01	9.24E-01	0.000
1.10	1.00	1.20	5.60E-02	9.18E-01	0.000	1.10	1.00	1.20	5.60E-02	9.18E-01	0.000
0.96	0.91	1.02	1.87E-01	3.50E-02	0.775	0.94	0.82	1.07	3.70E-01	3.50E-02	0.775
0.96	0.91	1.01	1.42E-01	3.66E-01	0.000	0.96	0.91	1.01	1.42E-01	3.66E-01	0.000
1.14	1.04	1.25	6.48E-03	1.49E-01	0.521	1.12	0.97	1.30	1.29E-01	1.49E-01	0.521
1.09	1.03	1.15	2.75E-03	8.93E-03	0.854	1.06	0.91	1.24	4.65E-01	8.93E-03	0.854
0.92	0.88	0.98	4.08E-03	2.77E-03	0.888	0.95	0.80	1.12	5.31E-01	2.77E-03	0.888
0.98	0.91	1.04	4.70E-01	3.22E-01	0.000	0.98	0.91	1.04	4.70E-01	3.22E-01	0.000
1.09	1.03	1.16	1.64E-03	8.70E-04	0.910	1.05	0.86	1.29	6.40E-01	8.70E-04	0.910
0.98	0.93	1.03	4.81E-01	3.10E-01	0.146	0.98	0.93	1.04	5.72E-01	3.10E-01	0.146
0.93	0.87	0.98	1.05E-02	3.02E-03	0.828	0.96	0.82	1.11	5.57E-01	3.02E-03	0.828
0.97	0.92	1.03	2.88E-01	3.39E-03	0.884	1.00	0.84	1.20	9.75E-01	3.39E-03	0.884
0.98	0.92	1.05	5.82E-01	4.34E-01	0.000	0.98	0.92	1.05	5.82E-01	4.34E-01	0.000
0.90	0.81	1.00	4.76E-02	1.78E-02	0.752	0.94	0.75	1.17	5.87E-01	1.78E-02	0.752
0.91	0.84	0.98	1.54E-02	2.26E-01	0.318	0.92	0.83	1.01	8.31E-02	2.26E-01	0.318
0.99	0.94	1.04	6.71E-01	7.05E-02	0.694	1.00	0.90	1.12	9.46E-01	7.05E-02	0.694
1.09	1.01	1.18	3.51E-02	6.00E-01	0.000	1.09	1.01	1.18	3.51E-02	6.00E-01	0.000
1.08	1.02	1.14	8.28E-03	1.65E-01	0.482	1.07	0.98	1.16	1.25E-01	1.65E-01	0.482
0.99	0.93	1.06	8.21E-01	5.77E-01	0.000	0.99	0.93	1.06	8.21E-01	5.77E-01	0.000
1.07	1.00	1.13	4.73E-02	1.08E-02	0.779	1.03	0.90	1.20	6.43E-01	1.08E-02	0.779
1.03	0.95	1.11	4.78E-01	6.57E-02	0.705	1.00	0.86	1.16	9.96E-01	6.57E-02	0.705
1.05	0.99	1.12	1.09E-01	7.90E-02	0.676	1.03	0.91	1.16	6.09E-01	7.90E-02	0.676
0.99	0.93	1.05	6.48E-01	3.98E-02	0.690	0.96	0.85	1.08	4.84E-01	3.98E-02	0.690
1.12	1.05	1.20	4.68E-04	8.06E-01	0.000	1.12	1.05	1.20	4.68E-04	8.06E-01	0.000
1.13	1.05	1.22	2.07E-03	7.15E-01	0.000	1.13	1.05	1.22	2.07E-03	7.15E-01	0.000
1.11	1.04	1.18	2.64E-03	9.03E-03	0.853	1.06	0.86	1.29	6.01E-01	9.03E-03	0.853
1.03	0.98	1.08	3.15E-01	8.30E-01	0.000	1.03	0.98	1.08	3.15E-01	8.30E-01	0.000
1.11	1.04	1.18	1.32E-03	1.00E+00	0.000	1.11	1.04	1.18	1.32E-03	1.00E+00	0.000
0.94	0.89	1.00	3.63E-02	5.86E-02	0.720	0.96	0.85	1.08	4.68E-01	5.86E-02	0.720
1.04	0.96	1.13	3.48E-01	4.43E-05	0.940	0.96	0.67	1.38	8.27E-01	4.43E-05	0.940
1.07	1.01	1.12	2.16E-02	1.12E-01	0.603	1.05	0.96	1.15	2.56E-01	1.12E-01	0.603
1.13	1.07	1.20	7.74E-06	8.53E-01	0.000	1.13	1.07	1.20	7.74E-06	8.53E-01	0.000
0.91	0.87	0.96	1.24E-04	4.51E-02	0.677	0.92	0.85	1.01	8.18E-02	4.51E-02	0.677
1.06	1.00	1.12	3.36E-02	4.16E-01	0.000	1.06	1.00	1.12	3.36E-02	4.16E-01	0.000
1.08	1.02	1.14	8.52E-03	1.89E-03	0.896	1.04	0.85	1.27	6.91E-01	1.89E-03	0.896
0.93	0.88	0.99	1.85E-02	1.73E-01	0.461	0.94	0.87	1.02	1.51E-01	1.73E-01	0.461
0.92	0.87	0.97	7.74E-04	7.36E-01	0.000	0.92	0.87	0.97	7.74E-04	7.36E-01	0.000
1.01	0.95	1.07	8.02E-01	9.39E-01	0.000	1.01	0.95	1.07	8.02E-01	9.39E-01	0.000
0.93	0.86	0.99	3.00E-02	1.91E-01	0.415	0.94	0.85	1.03	1.89E-01	1.91E-01	0.415
1.07	0.98	1.17	1.27E-01	4.55E-02	0.750	1.02	0.83	1.26	8.18E-01	4.55E-02	0.750
1.07	1.01	1.13	2.02E-02	3.19E-01	0.000	1.07	1.01	1.13	2.02E-02	3.19E-01	0.000
0.90	0.85	0.95	5.25E-04	7.24E-01	0.000	0.90	0.85	0.95	5.25E-04	7.24E-01	0.000
1.02	0.94	1.11	5.71E-01	6.01E-02	0.717	1.01	0.86	1.18	9.31E-01	6.01E-02	0.717
0.97	0.93	1.02	2.79E-01	6.36E-01	0.000	0.97	0.93	1.02	2.79E-01	6.36E-01	0.000
0.92	0.86	0.99	2.94E-02	2.65E-02	0.797	0.95	0.80	1.12	5.25E-01	2.65E-02	0.797
1.02	0.97	1.07	4.62E-01	2.85E-02	0.792	1.03	0.92	1.14	6.46E-01	2.85E-02	0.792
1.06	1.00	1.12	3.86E-02	5.41E-02	0.730	1.04	0.93	1.17	4.99E-01	5.41E-02	0.730
0.84	0.77	0.91	8.05E-05	8.39E-02	0.665	0.85	0.73	1.00	5.07E-02	8.39E-02	0.665
1.11	1.05	1.16	6.93E-05	7.37E-01	0.000	1.11	1.05	1.16	6.93E-05	7.37E-01	0.000
1.10	1.01	1.19	3.41E-02	8.02E-01	0.000	1.10	1.01	1.19	3.41E-02	8.02E-01	0.000
0.97	0.92	1.04	4.19E-01	6.11E-03	0.867	1.00	0.84	1.20	9.74E-01	6.11E-03	0.867
1.03	0.98	1.09	2.19E-01	9.95E-01	0.000	1.03	0.98	1.09	2.19E-01	9.95E-01	0.000

Meta TKR insilico_denovo_fixed						Meta TKR insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.02	0.90	1.14	8.06E-01	1.00E+00	0.000	1.015	0.90	1.14	8.06E-01	1.00E+00	0.000
1.03	0.96	1.11	4.58E-01	7.87E-01	0.000	1.02816	0.96	1.11	4.58E-01	7.87E-01	0.000
0.98	0.81	1.19	8.68E-01	1.00E+00	na	0.984	0.81	1.19	8.68E-01	1.00E+00	na
1.01	0.90	1.12	9.00E-01	1.00E+00	na	1.007	0.90	1.12	9.00E-01	1.00E+00	na
1.00	0.80	1.25	9.72E-01	1.00E+00	na	0.996	0.80	1.25	9.72E-01	1.00E+00	na
1.10	0.97	1.26	1.38E-01	1.00E+00	na	1.103	0.97	1.26	1.38E-01	1.00E+00	na
1.01	0.88	1.15	9.08E-01	1.00E+00	na	1.008	0.88	1.15	9.08E-01	1.00E+00	na
0.97	0.88	1.08	6.15E-01	1.00E+00	na	0.974	0.88	1.08	6.15E-01	1.00E+00	na
1.04	0.94	1.15	4.18E-01	1.00E+00	na	1.043	0.94	1.15	4.18E-01	1.00E+00	na
1.15	1.01	1.30	3.73E-02	1.00E+00	na	1.145	1.01	1.30	3.73E-02	1.00E+00	na
0.99	0.85	1.16	9.19E-01	1.00E+00	na	0.992	0.85	1.16	9.19E-01	1.00E+00	na
1.02	0.91	1.14	7.29E-01	1.00E+00	na	1.02	0.91	1.14	7.29E-01	1.00E+00	na
0.99	0.85	1.16	9.31E-01	1.00E+00	na	0.993	0.85	1.16	9.31E-01	1.00E+00	na
1.04	0.96	1.12	3.32E-01	9.81E-01	0.000	1.039106	0.96	1.12	3.32E-01	9.81E-01	0.000
1.04	0.97	1.13	2.83E-01	8.20E-01	0.000	1.043493	0.97	1.13	2.83E-01	8.20E-01	0.000
0.93	0.84	1.03	1.55E-01	1.00E+00	na	0.927	0.84	1.03	1.55E-01	1.00E+00	na
1.06	0.96	1.18	2.61E-01	1.00E+00	0.000	1.061	0.96	1.18	2.61E-01	1.00E+00	0.000
1.04	0.85	1.26	7.10E-01	1.00E+00	na	1.038	0.85	1.26	7.10E-01	1.00E+00	na
0.93	0.86	1.00	5.63E-02	6.14E-01	0.000	0.928994	0.86	1.00	5.63E-02	6.14E-01	0.000
0.95	0.89	1.03	2.19E-01	1.00E+00	na	0.954	0.89	1.03	2.19E-01	1.00E+00	na
0.90	0.77	1.06	2.17E-01	1.00E+00	na	0.903	0.77	1.06	2.17E-01	1.00E+00	na
0.91	0.74	1.10	3.18E-01	1.00E+00	na	0.905	0.74	1.10	3.18E-01	1.00E+00	na
1.02	0.87	1.19	8.42E-01	1.00E+00	na	1.016	0.87	1.19	8.42E-01	1.00E+00	na
1.08	0.97	1.20	1.42E-01	1.00E+00	na	1.082	0.97	1.20	1.42E-01	1.00E+00	na
0.99	0.90	1.08	7.64E-01	4.56E-01	0.000	0.986108	0.90	1.08	7.64E-01	4.56E-01	0.000
1.02	0.92	1.13	6.96E-01	1.00E+00	na	1.021	0.92	1.13	6.96E-01	1.00E+00	na
1.00	0.90	1.10	9.54E-01	1.00E+00	na	0.997	0.90	1.10	9.54E-01	1.00E+00	na
0.91	0.76	1.09	3.05E-01	1.00E+00	na	0.91	0.76	1.09	3.05E-01	1.00E+00	na
0.98	0.89	1.09	6.98E-01	1.00E+00	na	0.98	0.89	1.09	6.98E-01	1.00E+00	na
0.97	0.88	1.07	5.31E-01	1.00E+00	na	0.969	0.88	1.07	5.31E-01	1.00E+00	na
1.11	0.97	1.28	1.40E-01	1.00E+00	na	1.111	0.97	1.28	1.40E-01	1.00E+00	na
1.12	1.03	1.22	7.09E-03	2.78E-01	0.149	1.120731	1.02	1.23	1.26E-02	2.78E-01	0.149
0.95	0.84	1.08	4.36E-01	7.97E-01	0.000	0.952716	0.84	1.08	4.36E-01	7.97E-01	0.000
0.91	0.82	1.02	1.04E-01	1.00E+00	na	0.914	0.82	1.02	1.04E-01	1.00E+00	na
1.03	0.95	1.12	5.11E-01	3.18E-01	0.000	1.028213	0.95	1.12	5.11E-01	3.18E-01	0.000
1.09	0.94	1.25	2.58E-01	1.00E+00	na	1.085	0.94	1.25	2.58E-01	1.00E+00	na
0.91	0.80	1.03	1.20E-01	1.00E+00	na	0.907	0.80	1.03	1.20E-01	1.00E+00	na
1.08	0.97	1.21	1.80E-01	1.00E+00	na	1.08	0.97	1.21	1.80E-01	1.00E+00	na
0.98	0.90	1.07	6.97E-01	7.33E-01	0.000	0.97408	0.84	1.13	7.22E-01	5.75E-01	0.000
0.94	0.84	1.05	2.60E-01	1.00E+00	na	0.94	0.84	1.05	2.60E-01	1.00E+00	na
1.05	0.93	1.18	4.11E-01	7.33E-01	0.000	1.050478	0.93	1.18	4.11E-01	7.33E-01	0.000
1.02	0.92	1.14	6.93E-01	7.44E-01	0.000	1.022081	0.92	1.14	6.93E-01	7.44E-01	0.000
1.13	1.00	1.28	4.64E-02	1.00E+00	na	1.132	1.00	1.28	4.64E-02	1.00E+00	na
1.00	0.90	1.10	9.50E-01	1.23E-02	0.840	0.982214	0.77	1.26	8.88E-01	1.23E-02	0.840
0.98	0.87	1.11	7.99E-01	1.00E+00	na	0.984	0.87	1.11	7.99E-01	1.00E+00	na
0.99	0.87	1.13	9.15E-01	1.00E+00	na	0.993	0.87	1.13	9.15E-01	1.00E+00	na
0.99	0.91	1.08	8.87E-01	5.10E-01	0.000	0.993718	0.91	1.08	8.87E-01	5.10E-01	0.000
1.02	0.88	1.17	8.33E-01	1.00E+00	0.000	1.015	0.88	1.17	8.33E-01	1.00E+00	0.000
1.02	0.90	1.14	8.05E-01	1.00E+00	na	1.015	0.90	1.14	8.05E-01	1.00E+00	na
1.10	0.93	1.32	2.73E-01	1.00E+00	na	1.104	0.93	1.32	2.73E-01	1.00E+00	na
0.87	0.79	0.97	1.29E-02	1.00E+00	na	0.874	0.79	0.97	1.29E-02	1.00E+00	na
1.00	0.90	1.11	9.85E-01	1.00E+00	na	0.999	0.90	1.11	9.85E-01	1.00E+00	na
1.02	0.86	1.22	8.10E-01	1.00E+00	na	1.022	0.86	1.22	8.10E-01	1.00E+00	na
0.97	0.88	1.08	6.07E-01	1.00E+00	na	0.974	0.88	1.08	6.07E-01	1.00E+00	na
1.04	0.95	1.14	4.51E-01	1.00E+00	na	1.036	0.95	1.14	4.51E-01	1.00E+00	na
0.93	0.83	1.04	2.21E-01	1.00E+00	na	0.93	0.83	1.04	2.21E-01	1.00E+00	na
0.94	0.85	1.05	2.60E-01	1.00E+00	na	0.942	0.85	1.05	2.60E-01	1.00E+00	na
1.01	0.94	1.09	7.72E-01	2.43E-01	0.267	1.009907	0.92	1.10	8.28E-01	2.43E-01	0.267
1.00	0.92	1.09	9.77E-01	1.31E-02	0.838	1.009631	0.81	1.26	9.31E-01	1.31E-02	0.838
1.10	1.00	1.22	5.98E-02	1.00E+00	na	1.102	1.00	1.22	5.98E-02	1.00E+00	na
1.02	0.91	1.14	7.21E-01	1.00E+00	na	1.021	0.91	1.14	7.21E-01	1.00E+00	na
1.03	0.88	1.21	6.88E-01	9.15E-02	0.649	1.030688	0.79	1.34	8.21E-01	9.15E-02	0.649
0.98	0.85	1.13	8.04E-01	1.00E+00	na	0.982	0.85	1.13	8.04E-01	1.00E+00	na
1.07	0.97	1.18	1.99E-01	1.00E+00	na	1.068	0.97	1.18	1.99E-01	1.00E+00	na
1.12	0.98	1.29	9.47E-02	1.00E+00	na	1.124	0.98	1.29	9.47E-02	1.00E+00	na
1.01	0.91	1.13	8.26E-01	1.00E+00	0.000	1.012	0.91	1.13	8.26E-01	1.00E+00	0.000
1.02	0.90	1.16	7.28E-01	1.00E+00	na	1.023	0.90	1.16	7.28E-01	1.00E+00	na
1.00	0.91	1.10	9.67E-01	1.21E-02	0.841	0.985817	0.77	1.26	9.09E-01	1.21E-02	0.841
0.92	0.79	1.06	2.24E-01	1.00E+00	na	0.915	0.79	1.06	2.24E-01	1.00E+00	na
0.96	0.85	1.08	5.09E-01	1.00E+00	na	0.961	0.85	1.08	5.09E-01	1.00E+00	na
0.90	0.81	0.99	2.73E-02	6.74E-01	0.000	0.895597	0.81	0.99	2.73E-02	6.74E-01	0.000
1.11	0.98	1.25	9.59E-02	1.00E+00	na	1.108	0.98	1.25	9.59E-02	1.00E+00	na
1.16	1.00	1.34	5.82E-02	1.00E+00	na	1.156	1.00	1.34	5.82E-02	1.00E+00	na
0.94	0.82	1.08	4.06E-01	1.00E+00	na	0.944	0.82	1.08	4.06E-01	1.00E+00	na
1.02	0.95	1.11	5.60E-01	5.47E-01	0.000	1.023692	0.95	1.11	5.60E-01	5.47E-01	0.000
1.11	1.00	1.24	5.22E-02	1.00E+00	0.000	1.111	1.00	1.24	5.22E-02	1.00E+00	0.000
1.02	0.92	1.14	6.58E-01	1.00E+00	na	1.024	0.92	1.14	6.58E-01	1.00E+00	na
0.79	0.68	0.92	2.84E-03	1.00E+00	na	0.793	0.68	0.92	2.84E-03	1.00E+00	na
1.00	0.91	1.10	9.84E-01	1.00E+00	na	0.999	0.91	1.10	9.84E-01	1.00E+00	na
1.13	1.02	1.25	2.49E-02	1.00E+00	na	1.125	1.02	1.25	2.49E-02	1.00E+00	na
0.97	0.90	1.04	3.46E-01	8.32E-01	0.000	0.968114	0.90	1.04	3.46E-01	8.32E-01	0.000
1.02	0.92	1.13	6.51E-01	1.00E+00	na	1.024	0.92	1.13	6.51E-01	1.00E+00	na
0.94	0.84	1.04	2.33E-01	1.00E+00	na	0.937	0.84	1.04	2.33E-01	1.00E+00	na
0.99	0.89	1.10	8.81E-01	1.00E+00	na	0.992	0.89	1.10	8.81E-01	1.00E+00	na
0.94	0.87	1.01	1.08E-01	9.48E-01	0.000	0.939855	0.87	1.01	1.08E-01	9.48E-01	0.000
1.00	0.90	1.12	9.41E-01	1.00E+00	na	1.004	0.90	1.12	9.41E-01	1.00E+00	na
1.00	0.87	1.15	9.88E-01	1.00E+00	na	1.001	0.87	1.15	9.88E-01	1.00E+00	na
0.91	0.76	1.09	3.02E-01	1.00E+00	na	0.908	0.76	1.09	3.02E-01	1.00E+00	na
1.02	0.92	1.13	6.76E-01	1.00E+00	na	1.022	0.92	1.13	6.76E-01	1.00E+00	na
0.91	0.82	1.03	1.24E-01	1.00E+00	na	0.914	0.82	1.03	1.24E-01	1.00E+00	na
0.92	0.80	1.06	2.44E-01	1.00E+00	na	0.921	0.80	1.06	2.44E-01	1.00E+00	na
0.97	0.90	1.05	4.97E-01	3.42E-01	0.000	0.973832	0.90	1.05	4.97E-01	3.42E-01	0.000
1.04	0.92	1.18	5.55E-01	1.00E+00	na	1.039	0.92	1.18	5.55E-01	1.00E+00	na
0.97	0.91	1.04	3.91E-01	1.00E+00	na	0.973	0.91	1.04	3.91E-01	1.00E+00	na
0.97	0.88	1.08	6.15E-01	1.00E+00	na	0.974	0.88	1.08	6.15E-01	1.00E+00	na
0.93	0.80	1.09	3.76E-01	1.00E+00	na	0.934	0.80	1.09	3.76E-01	1.00E+00	na
1.09	1.01	1.17	3.68E-02	6.66E-01	0.000	1.085095	1.01	1.17	3.68E-02	6.66E-01	0.000
1.11	0.96	1.30	1.69E-01	1.00E+00	na	1.114	0.96	1.30	1.69E-01	1.00E+00	na
1.11	0.99	1.23	7.21E-02	1.00E+00	na	1.106	0.99	1.23	7.21E-02	1.00E+00	na
1.04	0.95	1.12	3.95E-01	9.45E-01	0.000	1.036224	0.95	1.12	3.95E-01	9.45E-01	0.000

Meta KNEE+ arcOGEN_insilico_denovo_fixed						Meta KNEE+ arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.92	0.88	0.97	9.02E-04	1.38E-02	0.625	0.96	0.87	1.06	4.23E-01	1.38E-02	0.625
1.06	1.03	1.10	8.19E-04	3.30E-01	0.130	1.06	1.01	1.10	8.05E-03	3.30E-01	0.130
1.15	1.07	1.23	5.22E-05	1.33E-01	0.388	1.11	1.00	1.24	5.53E-02	1.33E-01	0.388
0.97	0.93	1.01	1.86E-01	3.35E-01	0.124	0.98	0.93	1.03	3.69E-01	3.35E-01	0.124
1.07	1.00	1.15	5.42E-02	6.07E-01	0.000	1.07	1.00	1.15	5.42E-02	6.07E-01	0.000
0.97	0.93	1.02	2.36E-01	1.04E-01	0.431	1.00	0.92	1.07	8.99E-01	1.04E-01	0.431
1.06	1.01	1.12	2.38E-02	1.13E-01	0.438	1.03	0.94	1.13	4.97E-01	1.13E-01	0.438
0.97	0.94	1.01	1.47E-01	8.39E-02	0.462	0.97	0.90	1.03	3.06E-01	8.39E-02	0.462
0.95	0.92	0.99	1.08E-02	2.30E-02	0.591	0.99	0.91	1.07	7.27E-01	2.30E-02	0.591
1.03	0.98	1.08	2.71E-01	6.32E-01	0.000	1.03	0.98	1.08	2.71E-01	6.32E-01	0.000
0.90	0.85	0.96	6.29E-04	3.18E-03	0.719	0.98	0.85	1.12	7.38E-01	3.18E-03	0.719
0.95	0.91	0.99	1.65E-02	3.58E-01	0.093	0.96	0.91	1.01	8.40E-02	3.58E-01	0.093
1.05	0.98	1.11	1.45E-01	4.02E-02	0.545	0.99	0.88	1.12	9.08E-01	4.02E-02	0.545
1.07	1.03	1.10	4.81E-04	1.32E-01	0.373	1.05	0.99	1.10	9.31E-02	1.32E-01	0.373
1.07	1.03	1.11	3.63E-04	1.86E-01	0.304	1.05	1.00	1.11	6.06E-02	1.86E-01	0.304
0.94	0.91	0.98	3.31E-03	5.25E-01	0.000	0.94	0.91	0.98	3.31E-03	5.25E-01	0.000
0.92	0.88	0.96	3.26E-05	1.36E-03	0.724	0.98	0.89	1.08	6.58E-01	1.36E-03	0.724
1.09	1.01	1.18	1.99E-02	5.24E-01	0.000	1.09	1.01	1.18	1.99E-02	5.24E-01	0.000
0.96	0.93	0.99	1.62E-02	4.26E-01	0.003	0.96	0.93	0.99	1.71E-02	4.26E-01	0.003
1.06	1.01	1.11	1.48E-02	1.98E-03	0.736	1.06	0.95	1.18	3.33E-01	1.98E-03	0.736
0.88	0.83	0.94	6.26E-05	1.03E-01	0.432	0.91	0.82	1.01	8.34E-02	1.03E-01	0.432
0.90	0.83	0.97	4.62E-03	3.58E-03	0.715	0.99	0.83	1.18	8.95E-01	3.58E-03	0.715
1.09	1.02	1.16	9.97E-03	1.24E-02	0.657	1.01	0.88	1.16	9.29E-01	1.24E-02	0.657
0.93	0.90	0.97	5.46E-04	4.30E-03	0.683	0.97	0.89	1.06	5.22E-01	4.30E-03	0.683
0.93	0.89	0.97	4.98E-04	2.96E-01	0.169	0.94	0.89	0.99	1.29E-02	2.96E-01	0.169
1.06	1.02	1.10	5.20E-03	1.30E-03	0.725	0.99	0.90	1.09	8.92E-01	1.30E-03	0.725
0.93	0.90	0.97	4.39E-04	3.51E-01	0.103	0.94	0.90	0.98	8.17E-03	3.51E-01	0.103
1.02	0.96	1.09	5.48E-01	3.61E-01	0.087	1.01	0.94	1.09	7.05E-01	3.61E-01	0.087
0.96	0.92	1.00	3.76E-02	5.55E-01	0.000	0.96	0.92	1.00	3.76E-02	5.55E-01	0.000
0.93	0.88	0.98	8.24E-03	1.17E-02	0.660	0.97	0.87	1.09	6.43E-01	1.17E-02	0.660
1.06	1.00	1.11	4.57E-02	6.88E-02	0.488	1.02	0.93	1.12	6.90E-01	6.88E-02	0.488
1.08	1.04	1.12	1.88E-04	9.62E-01	0.000	1.08	1.04	1.12	1.88E-04	9.62E-01	0.000
1.01	0.96	1.07	6.19E-01	5.42E-01	0.000	1.01	0.96	1.07	6.19E-01	5.42E-01	0.000
0.98	0.94	1.02	2.18E-01	6.76E-02	0.490	1.00	0.93	1.07	9.08E-01	6.76E-02	0.490
1.06	1.02	1.10	4.07E-03	6.08E-01	0.000	1.06	1.02	1.10	4.07E-03	6.08E-01	0.000
1.06	1.01	1.12	2.28E-02	9.74E-05	0.785	0.97	0.84	1.12	7.04E-01	9.74E-05	0.785
1.05	1.00	1.09	4.12E-02	1.20E-01	0.407	1.03	0.96	1.11	3.78E-01	1.20E-01	0.407
1.03	0.98	1.07	2.32E-01	8.34E-01	0.000	1.03	0.98	1.07	2.32E-01	8.34E-01	0.000
0.98	0.90	1.07	6.97E-01	7.33E-01	0.000	0.97	0.84	1.13	7.22E-01	5.75E-01	0.000
0.93	0.89	0.96	1.41E-04	2.72E-01	0.207	0.94	0.89	0.99	1.43E-02	2.72E-01	0.207
1.10	1.05	1.16	1.83E-04	8.73E-01	0.000	1.10	1.05	1.16	1.83E-04	8.73E-01	0.000
1.09	1.04	1.14	4.52E-04	7.38E-01	0.000	1.09	1.04	1.14	4.52E-04	7.38E-01	0.000
1.08	1.03	1.12	1.70E-03	1.77E-01	0.329	1.07	1.00	1.15	4.80E-02	1.77E-01	0.329
1.06	1.01	1.11	8.87E-03	8.44E-05	0.788	1.06	0.94	1.18	3.48E-01	8.44E-05	0.788
0.99	0.94	1.03	5.99E-01	2.19E-01	0.274	1.00	0.94	1.07	9.95E-01	2.19E-01	0.274
0.93	0.89	0.98	6.80E-03	6.24E-03	0.667	0.98	0.88	1.10	7.79E-01	6.24E-03	0.667
0.95	0.91	0.99	2.48E-02	1.57E-02	0.595	0.99	0.92	1.08	8.61E-01	1.57E-02	0.595
0.94	0.89	0.99	2.41E-02	3.07E-01	0.161	0.95	0.89	1.02	1.62E-01	3.07E-01	0.161
1.02	0.98	1.07	3.43E-01	6.67E-01	0.000	1.02	0.98	1.07	3.43E-01	6.67E-01	0.000
1.11	1.04	1.19	1.17E-03	2.60E-01	0.223	1.10	1.00	1.20	4.22E-02	2.60E-01	0.223
0.99	0.95	1.03	4.61E-01	1.81E-01	0.341	0.98	0.92	1.04	5.06E-01	1.81E-01	0.341
0.97	0.93	1.01	1.22E-01	4.50E-01	0.000	0.97	0.93	1.01	1.22E-01	4.50E-01	0.000
1.07	1.00	1.14	5.54E-02	2.97E-01	0.174	1.05	0.97	1.15	2.43E-01	2.97E-01	0.174
1.03	0.99	1.07	1.12E-01	3.68E-02	0.553	0.99	0.91	1.07	7.57E-01	3.68E-02	0.553
0.95	0.91	0.99	7.92E-03	3.50E-02	0.583	0.99	0.92	1.06	7.25E-01	3.50E-02	0.583
1.00	0.95	1.04	9.14E-01	5.49E-01	0.000	1.00	0.95	1.04	9.14E-01	5.49E-01	0.000
1.06	1.02	1.10	4.10E-03	1.83E-01	0.321	1.04	0.98	1.10	1.84E-01	1.83E-01	0.321
1.00	0.96	1.03	9.10E-01	6.45E-01	0.000	1.00	0.96	1.03	9.10E-01	6.45E-01	0.000
0.91	0.87	0.95	1.23E-05	1.23E-01	0.384	0.92	0.87	0.98	1.45E-02	1.23E-01	0.384
0.96	0.93	1.00	5.18E-02	1.50E-02	0.645	0.99	0.91	1.08	8.67E-01	1.50E-02	0.645
0.98	0.93	1.02	2.64E-01	7.12E-01	0.000	0.98	0.93	1.02	2.64E-01	7.12E-01	0.000
0.86	0.80	0.92	3.52E-05	3.04E-01	0.160	0.87	0.80	0.95	1.76E-03	3.04E-01	0.160
0.92	0.88	0.97	1.72E-03	4.77E-01	0.000	0.92	0.88	0.97	1.72E-03	4.77E-01	0.000
0.98	0.95	1.02	4.11E-01	5.29E-01	0.000	0.98	0.95	1.02	4.11E-01	5.29E-01	0.000
1.08	1.02	1.15	7.22E-03	4.89E-01	0.000	1.08	1.02	1.15	7.22E-03	4.89E-01	0.000
1.02	0.99	1.10	2.20E-01	1.64E-03	0.742	0.97	0.88	1.07	5.13E-01	1.64E-03	0.742
1.01	0.96	1.06	7.73E-01	7.79E-01	0.000	1.01	0.96	1.06	7.73E-01	7.79E-01	0.000
1.05	1.00	1.09	4.96E-02	4.15E-01	0.019	1.05	1.00	1.09	6.04E-02	4.15E-01	0.019
1.05	1.00	1.10	6.35E-02	7.70E-02	0.497	1.03	0.94	1.13	5.03E-01	7.70E-02	0.497
1.07	1.03	1.12	1.82E-03	2.87E-01	0.194	1.06	1.01	1.12	2.25E-02	2.87E-01	0.194
1.00	0.96	1.05	8.81E-01	8.78E-02	0.436	0.97	0.91	1.05	4.86E-01	8.78E-02	0.436
1.05	1.00	1.09	4.86E-02	4.20E-01	0.005	1.05	1.00	1.09	5.21E-02	4.20E-01	0.005
1.10	1.04	1.16	4.47E-04	7.06E-01	0.000	1.10	1.04	1.16	4.47E-04	7.06E-01	0.000
1.09	1.04	1.14	2.43E-04	2.21E-03	0.732	1.02	0.91	1.14	7.75E-01	2.21E-03	0.732
1.00	0.97	1.04	9.38E-01	2.35E-02	0.567	0.98	0.92	1.06	6.61E-01	2.35E-02	0.567
1.05	1.00	1.10	4.07E-02	5.51E-02	0.513	1.01	0.93	1.10	8.32E-01	5.51E-02	0.513
0.96	0.93	1.00	6.64E-02	4.99E-01	0.000	0.96	0.93	1.00	6.64E-02	4.99E-01	0.000
1.03	0.98	1.09	2.58E-01	5.17E-04	0.750	0.96	0.83	1.11	5.52E-01	5.17E-04	0.750
1.05	1.01	1.09	1.28E-02	6.10E-01	0.000	1.05	1.01	1.09	1.28E-02	6.10E-01	0.000
1.09	1.05	1.13	6.57E-06	4.23E-01	0.000	1.09	1.05	1.13	6.57E-06	4.23E-01	0.000
0.95	0.92	0.99	7.03E-03	2.84E-01	0.191	0.96	0.92	1.00	7.71E-02	2.84E-01	0.191
1.03	0.99	1.07	1.36E-01	3.42E-02	0.585	0.99	0.92	1.06	7.38E-01	3.42E-02	0.585
1.06	1.02	1.10	4.79E-03	5.04E-05	0.817	0.97	0.86	1.10	6.42E-01	5.04E-05	0.817
0.95	0.91	0.99	1.03E-02	9.11E-03	0.673	0.98	0.89	1.07	5.93E-01	9.11E-03	0.673
0.93	0.89	0.96	1.57E-05	4.21E-01	0.011	0.93	0.89	0.96	2.32E-05	4.21E-01	0.011
1.00	0.96	1.04	8.58E-01	3.78E-01	0.061	0.99	0.95	1.04	7.90E-01	3.78E-01	0.061
1.00	0.95	1.04	8.66E-01	1.01E-03	0.733	1.06	0.94	1.19	3.29E-01	1.01E-03	0.733
1.07	1.01	1.13	3.25E-02	1.34E-02	0.627	0.98	0.86	1.11	7.25E-01	1.34E-02	0.627
1.05	1.01	1.08	2.04E-02	8.51E-01	0.000	1.05	1.01	1.08	2.04E-02	8.51E-01	0.000
0.94	0.90	0.97	1.61E-03	1.06E-03	0.755	0.99	0.89	1.10	8.23E-01	1.06E-03	0.755
1.01	0.95	1.07	7.48E-01	8.55E-02	0.482	0.99	0.90	1.10	8.60E-01	8.55E-02	0.482
0.98	0.94	1.01	1.77E-01	2.28E-01	0.263	0.99	0.94	1.03	5.53E-01	2.28E-01	0.263
0.99	0.94	1.04	6.82E-01	1.14E-01	0.415	1.03	0.95	1.11	5.45E-01	1.14E-01	0.415
1.02	0.98	1.06	2.43E-01	1.11E-01	0.441	1.02	0.95	1.08	6.27E-01	1.11E-01	0.441
1.04	1.00	1.08	5.59E-02	2.41E-01	0.246	1.03	0.97	1.08	3.23E-01	2.41E-01	0.246
0.89	0.84	0.95	1.59E-04	3.78E-01	0.065	0.90	0.84	0.96	1.62E-03	3.78E-01	0.065
1.08	1.05	1.12	1.16E-05	9.55E-01	0.000	1.08	1.05	1.12	1.16E-05	9.55E-01	0.000
1.07	1.01	1.14	1.93E-02	8.52E-01	0.000	1.07	1.01	1.14	1.93E-02	8.52E-01	0.000
0.97	0.92	1.01	1.25E-01	2.88E-01	0.186	0.97	0.92	1.03	3.78E-01	2.88E-01	0.186
1.05	1.01	1.09	9.72E-03	6.57E-01	0.000	1.05	1.01	1.09	9.72E-03	6.57E-01	0.000

Meta KNEE+ insilico_denovo_fixed						Meta KNEE+ insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.97	0.91	1.04	4.39E-01	3.83E-02	0.575	0.99	0.88	1.12	9.01E-01	3.83E-02	0.575
1.04	0.99	1.09	1.15E-01	3.51E-01	0.102	1.04	0.98	1.10	1.72E-01	3.51E-01	0.102
1.05	0.95	1.16	3.63E-01	4.84E-01	0.000	1.05	0.95	1.16	3.63E-01	4.84E-01	0.000
1.01	0.95	1.07	8.11E-01	4.77E-01	0.000	1.01	0.95	1.07	8.11E-01	4.77E-01	0.000
0.99	0.89	1.10	8.52E-01	9.47E-01	0.000	0.99	0.89	1.10	8.52E-01	9.47E-01	0.000
1.03	0.96	1.10	4.15E-01	3.08E-01	0.164	1.03	0.95	1.11	5.15E-01	3.08E-01	0.164
0.98	0.90	1.06	5.47E-01	8.06E-01	0.000	0.98	0.90	1.06	5.47E-01	8.06E-01	0.000
0.95	0.90	1.01	1.12E-01	6.36E-02	0.521	0.96	0.87	1.06	4.07E-01	6.36E-02	0.521
1.02	0.97	1.09	4.06E-01	6.20E-01	0.000	1.02	0.97	1.09	4.06E-01	6.20E-01	0.000
1.06	0.99	1.13	1.08E-01	7.07E-01	0.000	1.06	0.99	1.13	1.08E-01	7.07E-01	0.000
1.02	0.93	1.11	7.28E-01	2.82E-01	0.209	1.02	0.92	1.13	7.02E-01	2.82E-01	0.209
1.01	0.95	1.07	7.76E-01	9.95E-01	0.000	1.01	0.95	1.07	7.76E-01	9.95E-01	0.000
0.96	0.87	1.05	3.44E-01	2.25E-01	0.280	0.95	0.84	1.08	4.24E-01	2.25E-01	0.280
1.02	0.97	1.07	5.16E-01	6.96E-01	0.000	1.02	0.97	1.07	5.16E-01	6.96E-01	0.000
1.02	0.97	1.07	4.47E-01	7.07E-01	0.000	1.02	0.97	1.07	4.47E-01	7.07E-01	0.000
0.96	0.91	1.02	2.14E-01	5.01E-01	0.000	0.96	0.91	1.02	2.14E-01	5.01E-01	0.000
0.98	0.93	1.04	5.79E-01	2.45E-02	0.612	1.01	0.91	1.13	8.33E-01	2.45E-02	0.612
1.04	0.93	1.16	5.04E-01	6.13E-01	0.000	1.04	0.93	1.16	5.04E-01	6.13E-01	0.000
0.98	0.94	1.03	4.95E-01	5.89E-01	0.000	0.98	0.94	1.03	4.95E-01	5.89E-01	0.000
0.98	0.92	1.04	4.80E-01	5.18E-01	0.000	0.98	0.92	1.04	4.80E-01	5.18E-01	0.000
0.97	0.89	1.06	5.25E-01	7.96E-01	0.000	0.97	0.89	1.06	5.25E-01	7.96E-01	0.000
0.99	0.89	1.11	8.60E-01	1.58E-02	0.672	1.06	0.84	1.32	6.32E-01	1.58E-02	0.672
0.96	0.88	1.06	4.62E-01	3.72E-01	0.061	0.96	0.87	1.07	4.68E-01	3.72E-01	0.061
1.00	0.95	1.06	8.90E-01	1.89E-01	0.329	1.01	0.93	1.09	8.99E-01	1.89E-01	0.329
0.96	0.90	1.02	1.47E-01	4.13E-01	0.015	0.96	0.90	1.02	1.56E-01	4.13E-01	0.015
0.98	0.92	1.03	4.06E-01	1.15E-01	0.435	0.97	0.88	1.05	4.34E-01	1.15E-01	0.435
0.98	0.93	1.04	5.54E-01	9.19E-01	0.000	0.98	0.93	1.04	5.54E-01	9.19E-01	0.000
0.99	0.90	1.09	8.30E-01	3.10E-01	0.165	0.97	0.87	1.09	6.66E-01	3.10E-01	0.165
0.99	0.93	1.05	7.32E-01	7.28E-01	0.000	0.99	0.93	1.05	7.32E-01	7.28E-01	0.000
1.02	0.95	1.09	6.63E-01	5.82E-01	0.000	1.02	0.95	1.09	6.63E-01	5.82E-01	0.000
0.99	0.91	1.07	7.25E-01	2.31E-01	0.272	0.98	0.89	1.09	7.60E-01	2.31E-01	0.272
1.07	1.01	1.12	2.08E-02	9.46E-01	0.000	1.07	1.01	1.12	2.08E-02	9.46E-01	0.000
1.00	0.93	1.08	9.76E-01	4.51E-01	0.000	1.00	0.93	1.08	9.76E-01	4.51E-01	0.000
0.99	0.93	1.05	7.28E-01	4.45E-02	0.560	1.02	0.92	1.14	6.71E-01	4.45E-02	0.560
1.03	0.98	1.09	2.44E-01	7.08E-01	0.000	1.03	0.98	1.09	2.44E-01	7.08E-01	0.000
0.95	0.88	1.03	2.38E-01	8.54E-03	0.677	0.93	0.79	1.09	3.76E-01	8.54E-03	0.677
1.02	0.95	1.09	5.80E-01	1.13E-01	0.438	1.01	0.92	1.12	7.87E-01	1.13E-01	0.438
1.04	0.98	1.11	2.07E-01	7.88E-01	0.000	1.04	0.98	1.11	2.07E-01	7.88E-01	0.000
0.97	0.92	1.03	3.05E-01	6.68E-01	0.000	0.97	0.92	1.03	3.05E-01	6.68E-01	0.000
1.08	1.00	1.16	4.48E-02	8.87E-01	0.000	1.08	1.00	1.16	4.48E-02	8.87E-01	0.000
1.07	1.00	1.14	5.59E-02	7.29E-01	0.000	1.07	1.00	1.14	5.59E-02	7.29E-01	0.000
1.06	0.99	1.13	1.05E-01	1.28E-01	0.415	1.07	0.96	1.18	2.25E-01	1.28E-01	0.415
0.98	0.92	1.05	5.75E-01	5.43E-03	0.698	1.03	0.91	1.17	5.99E-01	5.43E-03	0.698
1.03	0.96	1.10	4.53E-01	2.90E-01	0.189	1.03	0.94	1.12	5.47E-01	2.90E-01	0.189
1.00	0.93	1.08	9.03E-01	4.85E-02	0.552	1.02	0.89	1.17	7.55E-01	4.85E-02	0.552
1.01	0.95	1.07	7.26E-01	1.71E-01	0.336	1.02	0.94	1.10	6.41E-01	1.71E-01	0.336
1.00	0.93	1.09	9.10E-01	7.93E-01	0.000	1.00	0.93	1.09	9.10E-01	7.93E-01	0.000
1.01	0.94	1.08	8.89E-01	5.91E-01	0.000	1.01	0.94	1.08	8.89E-01	5.91E-01	0.000
1.05	0.95	1.17	3.22E-01	3.31E-01	0.131	1.06	0.94	1.19	3.56E-01	3.31E-01	0.131
0.98	0.92	1.04	4.44E-01	1.14E-01	0.463	0.97	0.88	1.07	5.41E-01	1.14E-01	0.463
1.01	0.96	1.07	6.64E-01	8.85E-01	0.000	1.01	0.96	1.07	6.64E-01	8.85E-01	0.000
1.02	0.92	1.12	7.62E-01	3.55E-01	0.096	1.01	0.90	1.13	8.52E-01	3.55E-01	0.096
0.95	0.89	1.01	9.25E-02	9.88E-01	0.000	0.95	0.89	1.01	9.25E-02	9.88E-01	0.000
1.01	0.96	1.07	6.85E-01	5.24E-01	0.000	1.01	0.96	1.07	6.85E-01	5.24E-01	0.000
0.99	0.93	1.06	8.72E-01	4.22E-01	0.000	0.99	0.93	1.06	8.72E-01	4.22E-01	0.000
1.02	0.96	1.08	5.36E-01	3.16E-01	0.153	1.01	0.95	1.08	6.79E-01	3.16E-01	0.153
1.00	0.96	1.05	8.56E-01	5.47E-01	0.000	1.00	0.96	1.05	8.56E-01	5.47E-01	0.000
0.95	0.90	1.00	7.09E-02	2.85E-01	0.189	0.95	0.88	1.01	1.13E-01	2.85E-01	0.189
1.01	0.95	1.07	6.86E-01	5.65E-02	0.565	1.02	0.92	1.13	7.09E-01	5.65E-02	0.565
0.98	0.92	1.05	5.13E-01	5.73E-01	0.000	0.98	0.92	1.05	5.13E-01	5.73E-01	0.000
0.91	0.83	1.01	7.59E-02	5.23E-01	0.000	0.91	0.83	1.01	7.59E-02	5.23E-01	0.000
0.96	0.89	1.04	2.99E-01	6.07E-01	0.000	0.96	0.89	1.04	2.99E-01	6.07E-01	0.000
1.02	0.96	1.09	4.46E-01	8.64E-01	0.000	1.02	0.96	1.09	4.46E-01	8.64E-01	0.000
1.06	0.97	1.16	2.12E-01	4.14E-01	0.000	1.06	0.97	1.16	2.12E-01	4.14E-01	0.000
0.95	0.90	1.01	1.20E-01	4.38E-02	0.592	0.93	0.84	1.04	2.16E-01	4.38E-02	0.592
1.03	0.96	1.10	4.78E-01	7.35E-01	0.000	1.03	0.96	1.10	4.78E-01	7.35E-01	0.000
1.02	0.96	1.09	5.28E-01	4.37E-01	0.000	1.02	0.96	1.09	5.28E-01	4.37E-01	0.000
1.02	0.94	1.10	7.00E-01	6.65E-02	0.545	1.01	0.89	1.15	8.55E-01	6.65E-02	0.545
1.04	0.97	1.11	2.52E-01	3.24E-01	0.142	1.04	0.97	1.12	2.66E-01	3.24E-01	0.142
0.94	0.89	1.00	6.23E-02	6.44E-01	0.000	0.94	0.89	1.00	6.23E-02	6.44E-01	0.000
1.01	0.95	1.08	7.42E-01	5.11E-01	0.000	1.01	0.95	1.08	7.42E-01	5.11E-01	0.000
1.13	1.04	1.22	3.73E-03	6.73E-01	0.000	1.13	1.04	1.22	3.73E-03	6.73E-01	0.000
0.99	0.92	1.06	7.20E-01	2.24E-01	0.296	0.98	0.89	1.07	6.61E-01	2.24E-01	0.296
0.99	0.94	1.04	7.21E-01	1.47E-02	0.621	0.97	0.88	1.07	5.48E-01	1.47E-02	0.621
1.01	0.95	1.08	7.21E-01	6.65E-02	0.516	0.97	0.86	1.09	5.76E-01	6.65E-02	0.516
0.99	0.93	1.06	8.60E-01	6.28E-01	0.000	0.99	0.93	1.06	8.60E-01	6.28E-01	0.000
0.97	0.89	1.06	4.91E-01	1.08E-03	0.754	0.91	0.74	1.12	3.75E-01	1.08E-03	0.754
1.01	0.95	1.07	7.75E-01	9.76E-01	0.000	1.01	0.95	1.07	7.75E-01	9.76E-01	0.000
1.06	1.00	1.12	6.47E-02	5.77E-01	0.000	1.06	1.00	1.12	6.47E-02	5.77E-01	0.000
0.99	0.95	1.04	7.73E-01	9.31E-01	0.000	0.99	0.95	1.04	7.73E-01	9.31E-01	0.000
0.99	0.94	1.05	7.64E-01	6.05E-02	0.557	0.95	0.86	1.05	3.10E-01	6.05E-02	0.557
0.97	0.91	1.03	3.65E-01	7.94E-03	0.710	0.93	0.81	1.06	2.82E-01	7.94E-03	0.710
1.00	0.94	1.06	9.68E-01	3.84E-02	0.605	1.00	0.90	1.12	9.80E-01	3.84E-02	0.605
0.95	0.90	0.99	2.48E-02	4.83E-01	0.000	0.95	0.90	0.99	2.48E-02	4.83E-01	0.000
0.96	0.91	1.02	2.39E-01	5.08E-01	0.000	0.96	0.91	1.02	2.39E-01	5.08E-01	0.000
1.10	1.03	1.18	5.56E-03	1.88E-01	0.331	1.10	1.00	1.21	5.17E-02	1.88E-01	0.331
0.95	0.86	1.04	2.73E-01	3.13E-01	0.157	0.94	0.84	1.05	2.57E-01	3.13E-01	0.157
1.05	0.99	1.10	1.15E-01	7.53E-01	0.000	1.05	0.99	1.10	1.15E-01	7.53E-01	0.000
1.00	0.94	1.07	8.80E-01	2.10E-02	0.654	1.02	0.90	1.16	7.03E-01	2.10E-02	0.654
0.94	0.86	1.03	1.86E-01	2.60E-01	0.242	0.95	0.85	1.06	3.69E-01	2.60E-01	0.242
1.00	0.95	1.05	9.44E-01	2.60E-01	0.231	1.00	0.95	1.07	8.79E-01	2.60E-01	0.231
1.05	0.97	1.13	2.02E-01	3.17E-01	0.151	1.06	0.97	1.15	2.02E-01	3.17E-01	0.151
0.99	0.94	1.04	5.88E-01	3.88E-01	0.032	0.99	0.94	1.04	6.25E-01	3.88E-01	0.032
1.00	0.95	1.06	9.23E-01	3.87E-01	0.046	1.00	0.95	1.06	9.40E-01	3.87E-01	0.046
0.97	0.88	1.06	4.49E-01	9.80E-01	0.000	0.97	0.88	1.06	4.49E-01	9.80E-01	0.000
1.06	1.01	1.12	2.12E-02	9.99E-01	0.000	1.06	1.01	1.12	2.12E-02	9.99E-01	0.000
1.05	0.96	1.14	2.92E-01	8.29E-01	0.000	1.05	0.96	1.14	2.92E-01	8.29E-01	0.000
1.01	0.94	1.08	7.92E-01	4.78E-01	0.000	1.01	0.94	1.08	7.92E-01	4.78E-01	0.000
1.06	1.00	1.12	4.33E-02	5.41E-01	0.000	1.06	1.00	1.12	4.33E-02	5.41E-01	0.000

Female Knee

Marker	Chr	Position	EA	NEA	arcOGEN OR	arcOGEN L95	arcOGEN U95	arcOGEN p	TKR arcOGEN OR	TKR arcOGEN L95	TKR arcOGEN U95	TKR arcOGEN p	arcOGEN KNEE+ OR	arcOGEN KNEE+ L95	arcOGEN KNEE+ U95	arcOGEN KNEE+ p	deCODE OR	deCODE L95	deCODE U95	deCODE p
rs1854169	1	102046864	C	T	0.93	0.85	1.02	1.14E-01	0.94	0.84	1.05	2.51E-01	0.91	0.84	0.99	2.63E-02	0.96	0.83	1.12	5.92E-01
rs1417066	1	217740451	G	A	1.09	1.01	1.17	2.12E-02	1.15	1.06	1.26	1.46E-03	1.11	1.04	1.19	1.76E-03	1.06	0.94	1.19	3.70E-01
rs1629896	1	223752551	G	A	1.19	1.05	1.35	6.43E-03	1.23	1.05	1.43	8.91E-03	1.20	1.07	1.35	2.12E-03	0.98	0.78	1.25	8.92E-01
rs987179	1	242876559	A	G	0.92	0.85	0.99	2.69E-02	0.87	0.79	0.96	5.08E-03	0.90	0.84	0.97	6.92E-03	1.03	0.90	1.18	6.93E-01
rs1024816	2	37454712	G	A	1.26	1.11	1.43	2.49E-04	1.43	1.24	1.66	1.72E-06	1.19	1.06	1.34	4.35E-03	1.00	0.75	1.33	9.80E-01
rs3791679	2	55950396	G	A	0.96	0.88	1.05	3.59E-01	1.01	0.91	1.12	9.10E-01	0.95	0.88	1.03	2.19E-01	1.10	0.94	1.30	2.42E-01
rs10779958	2	74609286	C	A	1.26	1.14	1.39	2.97E-06	1.27	1.13	1.43	8.14E-05	1.23	1.12	1.35	1.29E-05	1.03	0.87	1.22	7.53E-01
rs6754683	2	108522707	A	G	1.00	0.93	1.08	9.70E-01	0.97	0.89	1.06	4.75E-01	1.00	0.93	1.07	9.86E-01	1.01	0.89	1.15	8.39E-01
rs4622728	2	125523313	T	C	0.87	0.81	0.93	9.83E-05	0.87	0.80	0.95	1.95E-03	0.86	0.80	0.92	6.22E-06	1.06	0.93	1.20	3.73E-01
rs1432237	2	137524977	G	A	1.08	0.99	1.18	7.37E-02	1.04	0.94	1.16	4.42E-01	1.05	0.97	1.14	2.17E-01	1.14	0.97	1.34	1.04E-01
rs12618428	2	151441225	G	A	0.87	0.78	0.97	1.44E-02	0.87	0.76	0.99	3.77E-02	0.87	0.79	0.96	7.69E-03	0.97	0.80	1.18	7.54E-01
rs6716254	2	175250720	C	T	0.96	0.89	1.04	3.52E-01	1.02	0.93	1.12	6.44E-01	0.93	0.86	1.00	3.72E-02	1.05	0.91	1.21	5.00E-01
rs6793234	3	8801396	G	A	0.99	0.88	1.11	8.34E-01	0.92	0.80	1.06	2.61E-01	0.99	0.89	1.10	8.20E-01	0.89	0.73	1.10	2.74E-01
rs11177	3	52696345	A	G	1.10	1.02	1.18	1.37E-02	1.09	1.00	1.20	5.23E-02	1.11	1.03	1.18	4.20E-03	1.06	0.93	1.20	4.09E-01
rs6976	3	52703844	T	C	1.10	1.02	1.18	1.33E-02	1.10	1.00	1.20	4.88E-02	1.10	1.03	1.18	4.32E-03	1.05	0.92	1.19	4.91E-01
rs10510816	3	59630570	A	C	0.84	0.78	0.90	2.34E-06	0.81	0.75	0.89	5.95E-06	0.85	0.80	0.91	4.49E-06	0.88	0.77	1.01	6.05E-02
rs1355782	3	132970356	C	T	0.88	0.82	0.95	1.17E-03	0.89	0.81	0.97	1.01E-02	0.88	0.82	0.95	4.10E-04	1.09	0.96	1.24	2.04E-01
rs16851066	3	142325511	A	G	1.18	1.02	1.36	2.52E-02	1.18	0.99	1.41	6.50E-02	1.25	1.10	1.43	8.78E-04	0.98	0.77	1.26	8.85E-01
rs9867979	3	166345704	A	G	1.36	1.16	1.59	1.24E-04	1.51	1.27	1.80	3.06E-06	1.34	1.15	1.56	1.59E-04	1.08	0.86	1.37	5.17E-01
rs12107036	3	191082854	A	G	0.85	0.79	0.91	6.94E-06	0.81	0.74	0.89	3.03E-06	0.88	0.82	0.94	1.08E-04	0.90	0.79	1.02	1.08E-01
rs16837352	4	5555175	T	G	1.22	1.11	1.35	4.67E-05	1.16	1.03	1.31	1.50E-02	1.23	1.12	1.34	9.82E-06	0.98	0.89	1.07	6.12E-01
rs17578878	4	37577120	T	C	0.76	0.68	0.86	8.58E-06	0.76	0.66	0.88	3.41E-04	0.77	0.69	0.87	6.09E-06	0.82	0.66	1.01	6.31E-02
rs11725992	4	48082608	C	T	0.79	0.69	0.91	9.97E-04	0.80	0.67	0.95	1.10E-02	0.79	0.70	0.91	5.88E-04	0.91	0.72	1.17	4.68E-01
rs6842739	4	60172105	A	G	0.80	0.73	0.88	7.19E-06	0.78	0.70	0.87	1.88E-05	0.82	0.74	0.90	1.92E-05	0.94	0.82	1.09	3.99E-01
rs2626053	4	96474111	A	G	0.80	0.71	0.90	1.31E-04	0.71	0.61	0.81	6.54E-07	0.79	0.71	0.88	2.77E-05	1.05	0.89	1.23	5.62E-01
rs2636726	4	106528673	A	G	1.18	1.08	1.29	3.57E-04	1.12	1.01	1.24	3.82E-02	1.19	1.09	1.29	7.96E-05	0.96	0.85	1.09	5.44E-01
rs12500935	4	114760230	A	G	1.20	1.06	1.35	2.74E-03	1.26	1.09	1.45	1.73E-03	1.19	1.06	1.33	2.56E-03	0.99	0.81	1.20	8.95E-01
rs1566347	4	186969560	T	C	0.87	0.81	0.94	2.60E-04	0.85	0.77	0.93	4.80E-04	0.87	0.81	0.93	1.17E-04	1.08	0.95	1.23	2.60E-01
rs4957048	5	636442	A	G	0.98	0.90	1.06	5.91E-01	0.96	0.87	1.07	4.95E-01	0.96	0.89	1.04	2.97E-01	1.08	0.93	1.25	3.37E-01
rs1083523	5	66314669	C	T	1.22	1.12	1.34	7.86E-06	1.23	1.11	1.37	7.10E-05	1.22	1.12	1.33	6.91E-06	0.94	0.84	1.05	2.86E-01
rs2610424	5	71292415	C	T	1.15	1.07	1.24	8.84E-05	1.17	1.07	1.28	4.07E-04	1.15	1.08	1.23	2.93E-05	0.98	0.86	1.12	7.85E-01
rs457008	5	81110411	T	C	0.90	0.84	0.97	3.38E-03	0.87	0.80	0.96	2.87E-03	0.92	0.86	0.98	1.06E-02	1.02	0.90	1.16	7.71E-01
rs10036746	5	91780688	A	G	1.06	0.94	1.20	3.64E-01	1.02	0.88	1.19	7.99E-01	1.07	0.95	1.20	2.45E-01	0.95	0.76	1.19	6.76E-01
rs11135394	5	93212891	C	T	0.85	0.77	0.95	2.92E-03	0.84	0.74	0.95	5.06E-03	0.84	0.76	0.92	4.61E-04	1.01	0.86	1.17	9.37E-01
rs12515798	5	134333096	T	C	1.28	1.14	1.43	2.59E-05	1.37	1.20	1.56	2.78E-06	1.26	1.13	1.40	5.32E-05	0.98	0.84	1.15	7.95E-01
rs10515550	5	144792886	T	C	1.02	0.95	1.10	5.62E-01	1.02	0.94	1.12	6.09E-01	1.01	0.95	1.08	7.21E-01	0.97	0.85	1.10	5.84E-01
rs13167773	5	148567182	T	C	0.77	0.69	0.86	3.87E-06	0.76	0.66	0.87	1.03E-04	0.79	0.72	0.88	8.21E-06	0.98	0.87	1.11	7.55E-01
rs10051783	5	167755230	T	C	1.22	1.11	1.35	5.82E-05	1.21	1.07	1.37	1.87E-03	1.23	1.13	1.35	6.94E-06	1.07	0.89	1.27	4.72E-01
rs10948172	6	44885669	G	A	1.00	0.93	1.08	9.87E-01	0.98	0.89	1.08	6.84E-01	1.02	0.95	1.10	5.69E-01	1.05	0.92	1.22	4.64E-01
rs9350591	6	76298247	T	C	0.97	0.87	1.09	6.34E-01	0.97	0.84	1.11	6.52E-01	1.01	0.91	1.12	8.45E-01	0.90	0.73	1.11	3.12E-01
rs569731	6	76414313	A	G	0.90	0.80	1.02	1.10E-01	0.92	0.80	1.07	2.74E-01	0.90	0.80	1.01	7.51E-02	1.00	0.85	1.18	9.97E-01
rs10943837	6	82727239	T	C	0.95	0.88	1.02	1.83E-01	0.93	0.85	1.03	1.53E-01	0.95	0.88	1.02	1.24E-01	0.97	0.84	1.11	6.10E-01
rs2493984	6	95440213	G	A	1.09	1.01	1.18	2.55E-02	1.11	1.01	1.22	2.75E-02	1.10	1.02	1.18	8.75E-03	1.16	1.01	1.33	4.22E-02
rs7755798	6	109743847	T	C	1.10	1.00	1.21	4.68E-02	1.07	0.95	1.20	2.76E-01	1.09	0.99	1.18	6.99E-02	1.01	0.85	1.21	8.82E-01
rs2027532	6	112741889	C	T	0.96	0.89	1.05	4.05E-01	0.95	0.85	1.05	3.07E-01	0.96	0.89	1.04	3.50E-01	0.82	0.70	0.96	1.33E-02
rs6931833	6	114078284	A	G	1.00	0.92	1.09	9.99E-01	1.00	0.90	1.11	9.96E-01	1.02	0.94	1.10	7.08E-01	1.00	0.86	1.16	9.91E-01
rs17627827	7	16731521	G	A	1.08	0.93	1.24	3.06E-01	1.08	0.90	1.28	4.09E-01	1.09	0.96	1.24	2.00E-01				
rs6461679	7	22976588	T	C	0.86	0.80	0.93	7.86E-05	0.85	0.78	0.93	5.19E-04	0.85	0.79	0.91	2.67E-06	0.93	0.81	1.06	2.73E-01
rs7785659	7	32427540	T	C	0.97	0.88	1.07	5.52E-01	0.89	0.79	1.02	8.88E-02	0.98	0.89	1.08	6.50E-01	1.10	0.89	1.35	3.89E-01
rs7805536	7	32540095	C	T	0.96	0.88	1.06	4.49E-01	0.91	0.81	1.03	1.36E-01	0.97	0.89	1.06	5.51E-01	0.99	0.82	1.20	9.21E-01
rs1859572	7	76870933	T	C	1.10	1.01	1.20	2.47E-02	1.13	1.02	1.25	2.29E-02	1.11	1.03	1.20	1.04E-02	1.09	0.93	1.27	2.90E-01
rs6466265	7	77998184	G	A	1.20	1.10	1.31	4.78E-05	1.28	1.16	1.43	3.72E-06	1.19	1.10	1.30	2.51E-05	1.19	1.01	1.40	3.77E-02
rs1488517	7	95446689	C	T	1.20	1.09	1.33	2.60E-04	1.31	1.17	1.46	3.56E-06	1.19	1.08	1.31	3.88E-04	1.08	0.94	1.24	2.70E-01
rs2966417	7	109944782	A	G	0.93	0.86	1.02	1.17E-01	0.94	0.84	1.04	2.27E-01	0.93	0.86	1.00	5.80E-02	1.05	0.90	1.23	5.41E-01
rs4841020	8	8638760	G	A	0.81	0.74	0.89	1.94E-05	0.83	0.74	0.94	2.59E-03	0.81	0.74	0.88	3.04E-06	1.06	0.91	1.24	4.69E-01
rs1876836	8	8719166	T	C	0.85	0.78	0.92	8.19E-05	0.82	0.74	0.91	1.92E-04	0.84	0.77	0.91	1.15E-05	0.98	0.85	1.13	7.92E-01
rs4841067	8	8784655	G	A	0.79	0.71	0.87	5.40E-06	0.80	0.70	0.90	4.71E-04	0.81	0.74	0.89	1.39E-05	0.99	0.83	1.18	8.89E-01
rs609792	8	9857300	T	C	1.10	1.01	1.20	2.70E-02	1.07	0.96	1.19	2.40E-01	1.08	1.00	1.17	6.58E-02	1.06	0.91	1.23	4.50E-01
rs6997710	8	10247861	G	A	1.23	1.09	1.38	6.12E-04	1.22	1.06	1.42	6.63E-03	1.26	1.13	1.41	4.66E-05	1.05	0.83	1.31	7.06E-01
rs1421259	8	15607043	A	G	0.97	0.90	1.04	4.00E-01	0.96	0.87	1.05	3.36E-01	0.97	0.90	1.04	3.36E-01	0.88	0.77	1.01	6.57E-02
rs2979715	8	80724814	C	T	1.11	0.99	1.24	6.48E-02	1.07	0.94	1.22	3.21E-01	1.13	1.01	1.25	3.17E-02	0.90	0.77	1.05	1.81E-01
rs2467753	8	80759808	G	T	1.18	1.04	1.33	7.83E-03	1.11	0.96	1.28	1.55E-01	1.21	1.07	1.36	1.62E-03	0.89	0.76	1.05	1.77E-01
rs2289496	8	98357340	C	A	0.93	0.87	1.00	5.99E-02	0.94	0.86	1.03	1.60E-01	0.92	0.86	0.99	2.58E-02	1.01	0.88	1.16	8.59E-01
rs16870112	8	104191422	A	C	1.10	0.97	1.25	1.29E-01	1.21	1.05	1.41	1.09E-02	1.10	0.98	1.23	1.24E-01	1.07	0.85	1.33	5.76E-01
rs10956114	8	124156008	G	A	0.87	0.79	0.95	2.90E-03	0.89	0.80	0.99	2.95E-02	0.89	0.81	0.97	7.94E-03	1.08	0.94	1.24	2.79E-01
rs4072286	8	142805713	G	T	1.15	1.07	1.23	2.56E-04	1.18	1.08	1.30	2.47E-04	1.14	1.06	1.22	2.74E-04	0.92	0.81	1.05	2.09E-01
rs2146423	9	4647040	G	A	0.84	0.78	0.91	2.88E-06	0.81	0.74	0.89	4.63E-06	0.87	0.82	0.93	7.35E-05	1.08	0.96	1.22	1.85E-01
rs945442	9	18917768	C	A	1.03	0.95	1.12	5.17E-01	1.01	0.91	1.12	8.26E-01	1.01	0.93	1.09	9.05E-01	0.91	0.79	1.06	2.21E-01
rs3780296	9	79327254	C	T	1.08	1.00	1.16	3.77E-02	1.13	1.04	1.24	6.73E-03	1.07	1.00	1.14	5.95E-02	0.99	0.87	1.13	8.99E-01
rs4072357	9	89688030	T	C	0.84	0.77	0.91	9.00E-05	0.83	0.75	0.92	3.54E-04	0.83	0.76	0.91	2.93E-05	1.03	0.90	1.17	7.05E-01
rs4836732	9	118306516	C	T	0.99	0.92	1.07	8.21E-01	0.97	0.89	1.06	5.07E-01	1.01	0.95	1.08	7.44E-01	1.07	0.94	1.22	2.85E-01
rs719535	9	118516091	T	C	1.12	1.01	1.25	3.30E-02	1.21	1.08	1.37	1.57E-03	1.10	1.00	1.22	5.99E-02	1.07	0.92	1.23	3.80E-01
rs2900277	9	131434091	G	T	0.87	0.80	0.95	1.69E-03	0.89	0.80	0.99	3.55E-02	0.86	0.79	0.93	1.98E-04	0.93	0.80	1.08	3.62E-01
rs2474714	10	33535989	G	A	0.89	0.81	0.97	9.87E-03	0.86	0.78	0.96	4.80E-03	0.88	0.80	0.96	2.64E-03	0.94	0.83	1.07	3.80E-01
rs9299558	10	56603927	A	C	0.99	0.92	1.06	7.36E-01	1.03	0.94	1.12	5.31E-01	0.98	0.92	1.05	6.11E-01	1.08	0.95	1.23	2.23E-01
rs1250552	10	80728033	A	G	0.86	0.78	0.94	6.21E-04	0.80	0.72	0.89	2.03E-05	0.84	0.77	0.92	8.32E-05	1.03	0.91	1.17	6.50E-01
rs787640	10	95114663	G	A	1.01	0.93	1.09	9.09E-01	1.00	0.91	1.11	9.64E-01	1.00	0.93	1.08	9.82E-01	1.03	0.90	1.19	6.48E-01
rs11188412	10	97391986	A	G	0.77	0.67	0.90	8.19E-04	0.84	0.70	1.00	5.48E-02	0.81	0.70	0.93	2.86E-03	0.85	0.64	1.13	2.56E-01
rs4757420	11	12371653	T	G	0.85	0.78	0.94	1.33E-03	0.85	0.75	0.96	7.89E-03	0.87	0.79	0.95	1.64E-03	0.96	0.81	1.16	6.93E-01
rs7119797	11	61922811	T	C	0.95	0.89	1.02	1.78E-01	0.94	0.86	1.03	1.56E-01	0.94	0.88	1.00	5.30E-02	1.15	1.01	1.30	2.97E-02
rs17159801	11	82496946	A	G	1.11	1.00	1.24	6.13E-02	1.11	0.97	1.27	1.25E-01	1.15	1.04	1.27	8.11E-03	1.15	0.97	1.37	1.11E-01
rs2691829	11	90240224	T	C	1.10	1.02	1.18	1.39E-02	1.10	1.01	1.20	3.91E-02	1.07	1.00	1.15	4.57E-02	1.00	0.87	1.14	9.48E-01
rs6589848	11	120229228	T	C	0.97	0.89	1.06	4.79E-01	0.98	0.88	1.09	6.92E-01	0.96	0.88	1.04	3.40E-01	1.03	0.87	1.20	7.65E-01
rs7941193	11	125876053	A	G	1.22	1.11	1.33	1.59E-05	1.33	1.19	1.48	3.26E-07	1.20	1.11	1.31	2.02E-05	1.10	0.93	1.29	2.60E-01
rs7122854	11	132673733	G	A	0.99	0.91	1.09	9.05E-01	1.00	0.89	1.13	9.49E-01	1.02	0.93	1.11	6.63E-01	0.96	0.81	1.15	6.77E-01
rs7305794	12	24860894	T	C	1.16	1.07	1.25	3.11E-04	1.17	1.06	1.29	1.45E-03	1.15	1.07	1.24	1.59E-04	0.97	0.84	1.13	7.30E-01
rs10492367	12	27906237	T	G	1.05	0.96	1.14	3.17E-01	1.03	0.92	1.15	6.38E-01	1.05	0.97	1.15	2.19E-01	0.90	0.76	1.05	1.85E-01
rs6487684	12	28534480	T	C	1.15	1.06	1.25	7.88E-04	1.26	1.14	1.39	7.35E-06	1.12	1.04	1.21	4.57E-03	1.01	0.87	1.18	8.60E-01
rs1034762	12	46675910	A	C	0.96	0.87	1.06	4.13E-01	0.97	0.85	1.10	6.05E-01	0.97	0.88	1.07	5.25E-01	1.21	1.00	1.46	4.52E-02
rs11107957	12	76956186	C	A	1.22	1.10	1.35	1.21E-04	1.23	1.09	1.38	5.18E-04	1.24	1.13	1.37	1.24E-05	1.02	0.90	1.16	7.76E-01
rs1404866	12	83888610	T	G	1.12	1.04	1.22	5.55E-03	1.18	1.07	1.30	1.49E-03	1.16	1.08	1.26	1.36E-04	0.93	0.78	1.10	3.71E-01
rs11107219	12	92770487	G	A	1.39	1.17	1.66	2.09E-04	1.53	1.26	1.86	2.06E-05	1.44	1.21	1.70	2.43E-05	0.85	0.68	1.06	1.53E-01
rs835487	12	103584897	G	A	1.04	0.97	1.12	2.55E-01	1.08	0.98	1.18	1.03E-01	1.03	0.96	1.11	3.94E-01	0.91	0.79	1.04	1.52E-01
rs11064722	12	118157566	T	C	1.04	0.95	1.13	4.30E-01	1.06	0.95	1.19	2.66E-01	1.06	0.97	1.15	2.06E-01	1.19	1.05	1.36	9.10E-03
rs4544137	13	67072419	T	C	0.64	0.53	0.77	2.44E-06	0.61	0.49	0.76	1.34E-05	0.70	0.59	0.83	4.92E-05	0.96	0.72	1.28	7.81E-01
rs7994526	13	67263831	G	A	0.65	0.54	0.77	1.74E-06	0.61	0.49	0.76	8.02E-06	0.69	0.58	0.82	1.53E-05	1.04	0.80	1.36	7.57E-01
rs2036717	13	75645031	C	T	1.06	0.90	1.25	4.65E-01	1.05	0.87	1.26	6.10E-01	1.07	0.92	1.25	3.85E-01	1.18	0.94	1.49	1.52E-01
rs9520058	13	105855421	G	T	0.95	0.88	1.02	1.62E-01	0.91	0.83	1.00	5.66E-02	0.94	0.88	1.01	6.77E-02	1.01	0.89	1.15	8.75E-01
rs8015303	14	34316223	G	A	1.42	1.18	1.69	1.30E-04	1.57	1.28	1.91	8.89E-06	1.41	1.18	1.67	1.03E-04	0.95	0.75	1.20	6.64E-01
rs1627411	14	42241078	T	C	0.91	0.81	1.02	9.98E-02	0.95	0.84	1.09	4.82E-01	0.93	0.84	1.04	2.09E-01	1.19	1.00	1.42	4.61E-02
rs7155791	14	49487980	T	C	1.00	0.90	1.12	9.47E-01	1.04	0.91	1.18	6.01E-01	1.01	0.92	1.12	7.98E-01	0.81	0.67	0.98	3.17E-02
rs1998094	14	51653209	C	T	1.20	1.04	1.39	1.20E-02	1.16	0.98	1.37	8.04E-02	1.25	1.09	1.43	1.76E-03	1.07	0.87	1.30	5.20E-01
rs10144429	14	77722272	A	G	1.19	1.08	1.31	3.96E-04	1.28	1.15	1.43	8.48E-06	1.17	1.06	1.28	1.15E-03	0.83	0.73	0.96	9.60E-03
rs11634255	15	30874764	G	A	1.01	0.94	1.09	7.32E-01	0.99	0.91	1.09	9.04E-01	1.02	0.95	1.09	5.82E-01	0.95	0.84	1.07	3.88E-01
rs4646626	15	56043419	C	T	1.11	1.04	1.19	3.40E-03	1.12	1.03	1.23	1.05E-02	1.11	1.04	1.19	1.68E-03	1.05	0.92	1.19	4.98E-01
rs8032755	15	91403060	A	G	0.93	0.87	1.00	5.73E-02	0.88	0.81	0.97	6.31E-03	0.93	0.87	0.99	3.02E-02	0.94	0.85	1.05	2.56E-01
rs2908646	16	4971845	A	G	0.98	0.91	1.05	5.53E-01	0.99	0.91	1.08	8.12E-01	0.98	0.92	1.05	5.89E-01	1.07	0.94	1.21	3.29E-01
rs12596722	16	9324789	C	A	1.14	1.06	1.23	4.51E-04	1.13	1.03	1.24	1.04E-02	1.13	1.05	1.21	9.23E-04	0.99	0.86	1.13	8.34E-01
rs12923310	16	9695438	T	G	0.95	0.88	1.03	2.04E-01	0.99	0.90	1.08	7.60E-01	0.97	0.90	1.04	3.66E-01	0.98	0.86	1.12	7.49E-01
rs8044769	16	52396636	T	C	0.85	0.79	0.91	8.44E-06	0.85	0.78	0.93	2.26E-04	0.85	0.79	0.91	1.02E-06	0.87	0.77	0.99	3.75E-02
rs9937815	16	54888333	G	A	1.03	0.95	1.11	4.58E-01	1.02	0.93	1.12	6.79E-01	1.05	0.98	1.13	1.53E-01	1.03	0.90	1.18	6.47E-01
rs7404629	16	64970230	A	G	0.85	0.77	0.92	1.86E-04	0.81	0.72	0.90	1.87E-04	0.86	0.79	0.93	2.47E-04	1.10	0.94	1.30	2.44E-01
rs16947129	16	76709247	C	T	1.17	1.04	1.32	8.08E-03	1.23	1.07	1.41	2.64E-03	1.18	1.05	1.32	4.69E-03	0.90	0.77	1.06	2.09E-01
rs4078062	17	16919559	A	G	1.23	1.11	1.37	1.08E-04	1.24	1.09	1.42	1.14E-03	1.25	1.13	1.39	9.41E-06	0.91	0.72	1.15	4.19E-01
rs8080960	17	67298538	G	A	1.08	1.00	1.16	4.62E-02	1.14	1.05	1.25	2.89E-03	1.09	1.02	1.17	9.11E-03	1.02	0.90	1.16	7.38E-01
rs11665347	18	10468812	A	G	0.87	0.81	0.94	6.21E-04	0.90	0.81	0.99	2.55E-02	0.89	0.82	0.95	1.23E-03	0.96	0.84	1.11	6.11E-01
rs12454396	18	62299667	T	C	0.83	0.76	0.91	1.13E-04	0.84	0.76	0.94	2.03E-03	0.83	0.76	0.90	2.81E-05	1.02	0.90	1.17	7.43E-01
rs17089382	18	70369681	T	C	1.04	0.93	1.17	4.56E-01	1.04	0.90	1.19	6.31E-01	1.02	0.92	1.14	7.05E-01	0.89	0.74	1.05	1.71E-01
rs12974139	19	2135005	C	T	0.96	0.89	1.03	2.18E-01	0.96	0.87	1.04	3.16E-01	0.95	0.89	1.02	1.35E-01	0.97	0.85	1.11	6.77E-01
rs1610093	19	4505774	C	T	0.87	0.74	1.01	6.91E-02	0.83	0.69	1.00	4.47E-02	0.87	0.75	1.01	5.93E-02	0.88	0.71	1.09	2.44E-01
rs10426443	19	8017982	G	A	0.86	0.78	0.94	1.32E-03	0.76	0.67	0.86	8.37E-06	0.89	0.81	0.97	7.88E-03	0.98	0.83	1.16	8.21E-01
rs10426377	19	53784046	A	C	1.17	1.08	1.26	1.89E-04	1.20	1.09	1.33	2.67E-04	1.17	1.08	1.26	6.93E-05	0.93	0.86	1.00	5.42E-02
rs1360400	20	22909890	A	G	1.18	1.10	1.26	7.22E-06	1.21	1.10	1.32	3.10E-05	1.13	1.06	1.21	3.14E-04	0.96	0.85	1.09	5.48E-01
rs172981	20	40543116	C	T	0.71	0.60	0.83	1.79E-05	0.62	0.51	0.76	1.45E-06	0.73	0.63	0.85	4.25E-05	1.02	0.81	1.28	8.96E-01
rs17785895	20	47866466	G	A	0.81	0.72	0.91	2.46E-04	0.78	0.68	0.91	1.01E-03	0.82	0.74	0.91	3.19E-04	0.85	0.70	1.03	1.00E-01
rs4925370	20	60300986	G	A	1.11	1.03	1.19	5.23E-03	1.07	0.98	1.17	1.21E-01	1.09	1.02	1.17	9.20E-03	1.04	0.92	1.18	5.36E-01
rs3747081	22	19682120	A	G	1.25	1.12	1.40	6.44E-05	1.17	1.02	1.34	2.99E-02	1.21	1.09	1.34	4.77E-04	1.06	0.88	1.29	5.32E-01
rs7287616	22	22259852	T	C	0.93	0.86	1.01	8.40E-02	0.92	0.83	1.02	1.02E-01	0.93	0.86	1.00	6.24E-02	1.17	1.02	1.34	2.67E-02
rs5762347	22	26489672	A	G	1.01	0.94	1.09	7.57E-01	1.04	0.95	1.14	4.27E-01	1.03	0.96	1.11	3.91E-01	1.04	0.91	1.20	5.71E-01

Marker	EGCUT OR	EGCUT L95	EGCUT U95	EGCUT p	GARP OR	GARP L95	GARP U95	GARP p	RS1 OR	RS1 L95	RS1 U95	RS1 p	RS2 OR	RS2 L95	RS2 U95	RS2 p	TwinsUK OR	TwinsUK L95	TwinsUK U95	TwinsUK p
rs1854169	1.26	0.87	1.82	2.25E-01	0.73	0.51	1.05	8.90E-02	0.94	0.82	1.07	3.58E-01	1.06	0.82	1.36	6.75E-01	1.33	0.91	1.94	1.57E-01
rs1417066					0.90	0.69	1.18	4.53E-01	1.10	0.99	1.23	9.10E-02	1.08	0.88	1.33	4.58E-01	0.79	0.57	1.09	1.35E-01
rs1629896	0.72	0.40	1.29	2.72E-01	1.13	0.77	1.65	5.44E-01	1.10	0.92	1.32	2.89E-01	1.01	0.67	1.52	9.55E-01	1.45	0.88	2.39	1.35E-01
rs987179	1.24	0.88	1.76	2.23E-01	0.84	0.63	1.13	2.49E-01	1.03	0.91	1.16	6.79E-01	0.86	0.68	1.08	2.01E-01	0.95	0.67	1.35	7.74E-01
rs1024816	0.85	0.51	1.42	5.29E-01	0.86	0.52	1.44	5.74E-01	1.01	0.83	1.23	9.07E-01	1.08	0.72	1.60	7.21E-01	1.06	0.63	1.76	8.32E-01
rs3791679	0.91	0.64	1.28	5.77E-01	1.13	0.83	1.54	4.30E-01	1.04	0.92	1.19	5.30E-01	0.89	0.70	1.13	3.42E-01	1.16	0.78	1.73	4.73E-01
rs10779958					1.06	0.73	1.54	7.67E-01	0.95	0.82	1.11	5.47E-01	0.99	0.73	1.35	9.64E-01	1.05	0.69	1.61	8.01E-01
rs6754683	1.17	0.86	1.60	3.23E-01	1.23	0.94	1.60	1.37E-01	0.95	0.85	1.06	3.80E-01	0.82	0.67	1.01	6.37E-02	0.87	0.62	1.20	4.12E-01
rs4622728	0.87	0.64	1.17	3.55E-01	1.05	0.81	1.38	7.07E-01	1.03	0.93	1.15	5.76E-01	0.97	0.79	1.19	7.80E-01	1.20	0.87	1.66	2.42E-01
rs1432237	0.95	0.66	1.37	7.76E-01	1.10	0.79	1.51	5.80E-01	0.99	0.87	1.13	8.70E-01	1.04	0.81	1.34	7.53E-01	1.21	0.83	1.76	3.38E-01
rs12618428					1.32	0.92	1.90	1.36E-01	1.01	0.86	1.19	8.66E-01	0.81	0.59	1.11	1.95E-01	1.13	0.67	1.91	6.34E-01
rs6716254	1.07	0.77	1.48	6.97E-01	0.92	0.68	1.24	6.05E-01	1.04	0.93	1.18	4.75E-01	1.09	0.87	1.37	4.60E-01	0.93	0.66	1.32	6.80E-01
rs6793234	1.47	0.93	2.34	1.00E-01	0.92	0.60	1.41	6.91E-01	0.84	0.70	1.01	6.30E-02	0.91	0.65	1.28	5.98E-01	0.55	0.33	0.91	1.79E-02
rs11177	1.10	0.81	1.50	5.32E-01	1.04	0.79	1.37	7.57E-01	0.93	0.83	1.04	2.18E-01	0.91	0.74	1.13	4.16E-01	0.89	0.64	1.24	4.65E-01
rs6976	1.10	0.81	1.50	5.32E-01	1.03	0.79	1.36	8.20E-01	0.93	0.83	1.04	2.23E-01	0.92	0.74	1.14	4.29E-01	0.89	0.64	1.24	4.65E-01
rs10510816					0.80	0.61	1.05	1.08E-01	0.92	0.83	1.03	1.33E-01	1.04	0.85	1.28	6.79E-01	1.02	0.74	1.40	9.16E-01
rs1355782	1.13	0.83	1.53	4.38E-01	1.31	1.00	1.72	5.63E-02	0.90	0.81	1.01	6.80E-02	0.98	0.79	1.22	8.82E-01	1.08	0.78	1.50	6.23E-01
rs16851066					1.37	0.84	2.22	2.13E-01	0.92	0.73	1.15	4.59E-01	1.15	0.77	1.73	4.91E-01	1.01	0.55	1.86	9.62E-01
rs9867979	1.74	0.82	3.72	1.48E-01	0.50	0.28	0.89	1.85E-02	0.99	0.82	1.20	9.31E-01	0.98	0.69	1.38	8.90E-01	0.77	0.42	1.41	3.92E-01
rs12107036	1.01	0.75	1.38	9.27E-01	1.13	0.86	1.48	3.74E-01	1.02	0.92	1.14	6.67E-01	0.99	0.81	1.21	9.13E-01	0.97	0.71	1.34	8.66E-01
rs16837352					1.33	0.96	1.86	8.66E-02	0.85	0.73	0.99	3.30E-02	1.07	0.80	1.41	6.64E-01	1.23	0.78	1.94	3.31E-01
rs17578878	0.90	0.51	1.57	7.11E-01	0.70	0.45	1.11	1.23E-01	1.03	0.87	1.22	7.38E-01	1.17	0.86	1.60	3.07E-01	0.91	0.56	1.48	7.12E-01
rs11725992	0.77	0.42	1.40	3.93E-01					1.00	0.82	1.22	9.93E-01	1.32	0.94	1.86	1.10E-01	1.53	0.86	2.72	1.27E-01
rs6842739					0.94	0.70	1.28	7.15E-01	0.96	0.85	1.08	4.73E-01	0.91	0.72	1.15	4.38E-01	0.96	0.68	1.36	8.27E-01
rs2626053	1.09	0.74	1.62	6.66E-01	0.94	0.67	1.32	7.16E-01	0.99	0.86	1.14	9.10E-01	0.99	0.76	1.29	9.40E-01	0.82	0.54	1.25	3.67E-01
rs2636726	0.83	0.62	1.12	2.18E-01	0.94	0.72	1.23	6.29E-01	1.04	0.93	1.16	5.37E-01	0.89	0.72	1.09	2.47E-01	1.08	0.79	1.49	6.15E-01
rs12500935					0.65	0.39	1.08	9.75E-02	0.95	0.79	1.15	6.05E-01	0.87	0.60	1.27	4.70E-01	0.99	0.61	1.62	9.63E-01
rs1566347	1.40	1.02	1.93	3.87E-02	1.01	0.75	1.34	9.72E-01	0.97	0.86	1.09	6.00E-01	1.08	0.87	1.35	4.77E-01	0.75	0.53	1.07	1.30E-01
rs4957048	1.62	1.09	2.43	1.77E-02	1.18	0.86	1.62	3.07E-01	0.90	0.79	1.03	1.25E-01	0.77	0.59	1.00	5.16E-02	0.94	0.64	1.38	7.39E-01
rs1083523					0.80	0.61	1.05	9.69E-02	0.98	0.88	1.09	6.92E-01	1.03	0.84	1.28	7.54E-01	1.00	0.73	1.37	9.87E-01
rs2610424	0.67	0.49	0.92	1.31E-02	0.93	0.71	1.22	6.00E-01	0.97	0.87	1.08	5.41E-01	1.11	0.90	1.36	3.45E-01	0.91	0.66	1.26	5.74E-01
rs457008	1.01	0.75	1.36	9.37E-01	0.93	0.71	1.22	6.01E-01	0.94	0.85	1.05	3.04E-01	1.01	0.81	1.24	9.63E-01	0.90	0.65	1.24	5.02E-01
rs10036746					0.89	0.56	1.42	6.40E-01	1.05	0.88	1.25	5.77E-01	0.96	0.67	1.37	8.10E-01	0.86	0.49	1.50	6.06E-01
rs11135394					1.19	0.88	1.62	2.60E-01	1.08	0.95	1.23	2.58E-01	1.14	0.90	1.45	2.70E-01	1.78	1.21	2.61	3.05E-03
rs12515798	1.02	0.69	1.52	9.02E-01	0.72	0.49	1.04	8.03E-02	1.05	0.92	1.21	4.50E-01	1.40	1.10	1.79	6.88E-03	0.86	0.58	1.28	4.55E-01
rs10515550					0.87	0.66	1.14	3.13E-01	0.98	0.88	1.09	7.03E-01	1.16	0.95	1.42	1.56E-01	1.04	0.76	1.44	7.98E-01
rs13167773					0.99	0.67	1.47	9.56E-01	1.07	0.91	1.26	3.94E-01	1.24	0.92	1.67	1.59E-01	0.90	0.58	1.42	6.44E-01
rs10051783	0.66	0.43	1.01	5.32E-02	1.08	0.75	1.55	6.85E-01	0.93	0.80	1.08	3.25E-01	1.00	0.75	1.32	9.75E-01	1.32	0.83	2.09	2.48E-01
rs10948172					1.06	0.79	1.41	7.02E-01	1.02	0.91	1.15	7.21E-01	1.11	0.88	1.39	3.97E-01	1.13	0.80	1.61	5.00E-01
rs9350591	1.17	0.76	1.79	4.76E-01	0.84	0.54	1.31	4.42E-01	1.01	0.85	1.20	9.11E-01	1.16	0.84	1.60	3.62E-01	0.62	0.36	1.06	7.81E-02
rs569731	0.73	0.46	1.14	1.65E-01	0.99	0.66	1.48	9.63E-01	0.92	0.78	1.08	3.15E-01	0.72	0.52	1.00	4.83E-02	1.01	0.64	1.59	9.65E-01
rs10943837	0.89	0.63	1.24	4.77E-01	1.10	0.83	1.45	5.30E-01	1.04	0.93	1.17	4.97E-01	0.89	0.72	1.10	2.82E-01	1.44	1.04	2.00	2.14E-02
rs2493984	1.12	0.81	1.55	5.03E-01	1.11	0.84	1.48	4.49E-01	1.00	0.88	1.12	9.33E-01	1.13	0.90	1.41	2.95E-01	1.12	0.80	1.59	5.15E-01
rs7755798	0.96	0.64	1.45	8.41E-01	0.52	0.34	0.79	2.47E-03	0.87	0.76	1.00	5.40E-02	0.99	0.76	1.29	9.43E-01	1.23	0.80	1.88	3.56E-01
rs2027532	1.09	0.78	1.52	5.97E-01	0.83	0.60	1.15	2.72E-01	1.10	0.97	1.25	1.40E-01	1.14	0.90	1.44	2.82E-01	0.93	0.63	1.36	7.03E-01
rs6931833					0.98	0.72	1.34	9.06E-01	0.99	0.88	1.13	9.22E-01	1.14	0.90	1.43	2.80E-01	1.03	0.71	1.50	8.52E-01
rs17627827					1.24	0.76	2.00	3.83E-01	0.95	0.76	1.18	6.17E-01	0.81	0.52	1.24	3.28E-01	0.98	0.48	2.00	9.55E-01
rs6461679	0.92	0.68	1.24	5.74E-01	0.94	0.72	1.24	6.81E-01	0.98	0.87	1.09	7.06E-01	1.08	0.87	1.35	4.60E-01	1.08	0.78	1.50	6.47E-01
rs7785659	1.14	0.76	1.70	5.24E-01	1.21	0.85	1.71	2.81E-01	1.09	0.94	1.27	2.42E-01	0.92	0.69	1.23	5.82E-01	0.99	0.62	1.57	9.57E-01
rs7805536					1.21	0.86	1.69	2.71E-01	1.04	0.90	1.19	6.33E-01	0.87	0.66	1.16	3.43E-01	1.14	0.73	1.76	5.57E-01
rs1859572	0.98	0.66	1.45	9.26E-01	1.08	0.79	1.48	6.28E-01	0.98	0.86	1.11	7.38E-01	0.92	0.72	1.17	4.79E-01	1.53	1.06	2.21	2.28E-02
rs6466265					1.13	0.82	1.55	4.42E-01	0.99	0.86	1.13	8.29E-01	0.94	0.72	1.23	6.56E-01	1.32	0.90	1.94	1.72E-01
rs1488517					1.01	0.75	1.35	9.62E-01	1.00	0.88	1.12	9.29E-01	1.03	0.82	1.30	8.08E-01	0.90	0.63	1.30	5.76E-01
rs2966417	1.27	0.88	1.85	2.04E-01	1.12	0.82	1.53	4.79E-01	1.11	0.98	1.26	1.10E-01	0.90	0.70	1.16	4.27E-01	0.92	0.63	1.34	6.52E-01
rs4841020	1.49	0.96	2.31	7.67E-02	0.71	0.48	1.05	8.78E-02	0.96	0.83	1.11	5.53E-01	1.15	0.88	1.50	2.94E-01	0.92	0.60	1.41	7.08E-01
rs1876836	1.39	0.94	2.06	9.73E-02	0.83	0.60	1.15	2.52E-01	0.97	0.85	1.10	6.50E-01	1.11	0.88	1.42	3.79E-01	1.09	0.75	1.59	6.66E-01
rs4841067	1.30	0.85	1.99	2.27E-01	1.02	0.69	1.49	9.38E-01	0.96	0.82	1.13	6.23E-01	0.91	0.68	1.23	5.55E-01	0.96	0.63	1.48	8.62E-01
rs609792					1.25	0.91	1.72	1.55E-01	1.05	0.92	1.20	4.57E-01	0.92	0.71	1.19	5.34E-01	1.19	0.81	1.75	3.78E-01
rs6997710	0.83	0.52	1.34	4.57E-01	1.16	0.76	1.75	4.78E-01	1.00	0.81	1.24	9.80E-01	1.62	1.13	2.33	8.80E-03	0.72	0.41	1.30	2.77E-01
rs1421259					0.91	0.69	1.20	5.12E-01	1.02	0.91	1.14	7.51E-01	1.01	0.82	1.25	9.23E-01	0.87	0.62	1.22	4.11E-01
rs2979715	0.88	0.60	1.28	4.94E-01	0.92	0.66	1.28	6.09E-01	0.97	0.85	1.10	6.23E-01	1.00	0.78	1.28	9.80E-01	1.10	0.76	1.60	6.09E-01
rs2467753	0.84	0.57	1.24	3.72E-01	0.76	0.52	1.10	1.43E-01	0.98	0.85	1.13	7.74E-01	1.04	0.80	1.35	7.75E-01	0.89	0.59	1.34	5.66E-01
rs2289496	1.00	0.73	1.37	9.89E-01	0.82	0.62	1.09	1.63E-01	0.95	0.85	1.07	4.16E-01	1.13	0.91	1.40	2.60E-01	0.92	0.66	1.29	6.06E-01
rs16870112	0.76	0.39	1.50	4.27E-01	0.73	0.43	1.24	2.43E-01	1.16	0.96	1.40	1.18E-01	0.85	0.59	1.22	3.73E-01	1.43	0.86	2.38	1.62E-01
rs10956114					1.08	0.82	1.43	5.86E-01	0.99	0.88	1.10	8.26E-01	1.23	1.00	1.52	5.44E-02	0.88	0.63	1.22	4.24E-01
rs4072286	0.84	0.60	1.19	3.40E-01	0.90	0.68	1.19	4.70E-01	0.93	0.82	1.05	2.52E-01	0.88	0.71	1.08	2.12E-01	0.92	0.66	1.29	6.06E-01
rs2146423					1.13	0.87	1.48	3.58E-01	0.95	0.85	1.06	3.67E-01	0.98	0.80	1.21	8.70E-01	1.18	0.85	1.63	2.92E-01
rs945442	0.95	0.68	1.34	7.78E-01	1.07	0.78	1.45	6.73E-01	1.03	0.91	1.17	6.33E-01	1.12	0.87	1.42	3.79E-01	0.84	0.58	1.22	3.55E-01
rs3780296	0.80	0.58	1.08	1.49E-01	1.04	0.79	1.37	7.71E-01	1.09	0.97	1.22	1.36E-01	1.07	0.87	1.32	5.46E-01	1.07	0.78	1.48	6.71E-01
rs4072357	1.02	0.73	1.43	8.85E-01	1.15	0.88	1.51	2.91E-01	0.97	0.87	1.08	5.67E-01	1.34	1.08	1.65	7.67E-03	1.03	0.75	1.43	8.33E-01
rs4836732	1.12	0.83	1.52	4.67E-01	0.88	0.67	1.15	3.37E-01	0.99	0.88	1.10	8.06E-01	0.93	0.76	1.14	4.89E-01	0.97	0.71	1.34	8.73E-01
rs719535	1.15	0.82	1.61	4.04E-01	0.99	0.72	1.37	9.70E-01	1.04	0.92	1.19	4.96E-01	1.03	0.81	1.31	8.17E-01	0.84	0.58	1.22	3.68E-01
rs2900277	0.82	0.58	1.16	2.64E-01	1.10	0.81	1.49	5.32E-01	0.92	0.81	1.05	2.24E-01	0.87	0.68	1.12	2.90E-01	0.98	0.68	1.41	9.07E-01
rs2474714	1.02	0.75	1.39	8.93E-01	1.05	0.80	1.37	7.31E-01	1.10	0.98	1.22	9.60E-02	0.81	0.65	1.00	5.05E-02	1.32	0.96	1.81	9.21E-02
rs9299558					1.25	0.95	1.63	1.01E-01	0.89	0.80	1.00	4.60E-02	1.00	0.82	1.22	9.82E-01	0.83	0.60	1.14	2.68E-01
rs1250552					1.01	0.77	1.32	9.38E-01	1.01	0.91	1.14	7.98E-01	0.92	0.75	1.14	4.67E-01	0.79	0.57	1.08	1.34E-01
rs787640					1.10	0.83	1.47	5.00E-01	0.91	0.81	1.03	1.41E-01	1.11	0.88	1.39	3.77E-01	0.89	0.62	1.28	5.46E-01
rs11188412	0.85	0.48	1.52	5.87E-01	0.34	0.16	0.74	4.67E-03	0.88	0.70	1.10	2.74E-01	1.26	0.82	1.95	2.90E-01	0.58	0.26	1.31	1.73E-01
rs4757420	1.09	0.76	1.54	6.50E-01	1.12	0.77	1.63	5.61E-01	0.95	0.81	1.10	4.73E-01	1.34	1.01	1.78	4.13E-02	0.74	0.46	1.19	2.13E-01
rs7119797					1.04	0.80	1.36	7.64E-01	0.98	0.88	1.09	6.66E-01	1.01	0.82	1.24	9.55E-01	0.94	0.68	1.30	6.98E-01
rs17159801					1.33	0.88	1.99	1.73E-01	0.84	0.70	1.00	5.30E-02	0.98	0.70	1.39	9.25E-01	0.90	0.52	1.55	6.85E-01
rs2691829					0.79	0.60	1.05	1.08E-01	1.02	0.91	1.14	7.25E-01	0.75	0.60	0.93	9.00E-03	1.18	0.85	1.64	3.24E-01
rs6589848					0.99	0.71	1.38	9.50E-01	1.02	0.89	1.18	7.33E-01	1.14	0.88	1.47	3.26E-01	0.89	0.59	1.34	5.71E-01
rs7941193	0.85	0.57	1.27	4.24E-01	1.02	0.73	1.43	9.13E-01	1.01	0.88	1.17	8.50E-01	1.28	0.99	1.67	6.11E-02	1.04	0.69	1.55	8.58E-01
rs7122854					1.28	0.94	1.75	1.29E-01	1.13	0.99	1.29	7.70E-02	0.83	0.63	1.08	1.64E-01	0.92	0.62	1.37	6.91E-01
rs7305794					1.09	0.82	1.46	5.56E-01	1.05	0.93	1.18	4.47E-01	1.21	0.96	1.51	1.05E-01	1.34	0.95	1.88	8.14E-02
rs10492367	0.84	0.57	1.24	3.83E-01	1.11	0.80	1.55	5.38E-01	1.03	0.90	1.17	7.15E-01	0.93	0.71	1.21	5.81E-01	0.83	0.54	1.27	3.72E-01
rs6487684	1.13	0.81	1.57	4.61E-01	1.16	0.85	1.59	3.43E-01	0.96	0.84	1.09	5.00E-01	0.85	0.66	1.10	2.19E-01	1.07	0.71	1.61	7.34E-01
rs1034762	0.91	0.61	1.36	6.44E-01	0.88	0.60	1.31	5.30E-01	1.09	0.94	1.26	2.70E-01	1.21	0.93	1.59	1.59E-01	1.28	0.83	1.97	2.64E-01
rs11107957					1.03	0.77	1.38	8.46E-01	0.99	0.88	1.11	8.55E-01	0.83	0.65	1.06	1.35E-01	1.10	0.77	1.57	6.05E-01
rs1404866					0.78	0.55	1.10	1.45E-01	1.05	0.92	1.20	4.59E-01	1.08	0.84	1.38	5.61E-01	0.98	0.67	1.43	9.06E-01
rs11107219					1.13	0.69	1.84	6.42E-01	1.07	0.87	1.32	5.36E-01	0.77	0.51	1.17	2.27E-01	0.93	0.49	1.79	8.30E-01
rs835487	1.00	0.72	1.38	9.82E-01	1.23	0.93	1.62	1.39E-01	0.97	0.87	1.09	6.60E-01	0.77	0.62	0.96	2.08E-02	0.78	0.56	1.09	1.65E-01
rs11064722	0.83	0.55	1.25	3.80E-01	0.74	0.51	1.07	1.09E-01	0.93	0.81	1.06	2.73E-01	1.11	0.86	1.43	4.21E-01	0.83	0.55	1.25	3.71E-01
rs4544137	0.77	0.38	1.55	4.61E-01	0.48	0.22	1.05	5.68E-02	0.91	0.71	1.16	4.32E-01	0.94	0.60	1.47	7.75E-01	1.43	0.74	2.77	2.80E-01
rs7994526	1.16	0.50	2.71	7.32E-01	0.69	0.36	1.29	2.30E-01	0.98	0.78	1.23	8.44E-01	1.16	0.77	1.74	4.91E-01	1.13	0.59	2.17	7.12E-01
rs2036717	1.24	0.73	2.09	4.20E-01	0.91	0.58	1.44	6.99E-01	0.97	0.81	1.15	7.02E-01	1.07	0.76	1.50	7.04E-01	1.12	0.65	1.94	6.92E-01
rs9520058					0.78	0.58	1.04	9.16E-02	0.98	0.88	1.10	7.69E-01	1.10	0.89	1.36	3.72E-01	0.89	0.64	1.23	4.94E-01
rs8015303	1.39	0.75	2.59	2.94E-01	0.61	0.33	1.11	1.10E-01	0.98	0.80	1.21	8.79E-01	0.86	0.58	1.29	4.71E-01	1.61	0.85	3.05	1.35E-01
rs1627411	1.27	0.81	1.98	2.92E-01	1.19	0.86	1.66	2.86E-01	0.90	0.78	1.04	1.48E-01	0.78	0.59	1.02	7.19E-02	1.00	0.66	1.51	9.84E-01
rs7155791	1.41	0.91	2.20	1.26E-01	0.64	0.39	1.04	6.55E-02	1.15	0.98	1.35	8.40E-02	0.98	0.72	1.32	8.72E-01	0.75	0.46	1.22	2.53E-01
rs1998094	1.21	0.78	1.89	3.95E-01	0.84	0.55	1.30	4.40E-01	1.11	0.94	1.31	2.20E-01	0.75	0.54	1.05	9.05E-02	0.65	0.39	1.08	9.78E-02
rs10144429	0.98	0.72	1.35	9.21E-01	0.87	0.65	1.16	3.49E-01	0.99	0.88	1.11	8.88E-01	0.95	0.77	1.19	6.69E-01	0.99	0.69	1.42	9.56E-01
rs11634255					1.10	0.84	1.43	4.92E-01	1.03	0.92	1.15	5.93E-01	0.99	0.81	1.22	9.32E-01	0.92	0.67	1.27	6.21E-01
rs4646626	1.12	0.82	1.52	4.79E-01	0.93	0.71	1.21	5.76E-01	1.05	0.94	1.18	3.71E-01	1.04	0.84	1.27	7.34E-01	1.04	0.76	1.44	7.83E-01
rs8032755					0.95	0.72	1.24	6.94E-01	0.98	0.88	1.10	7.75E-01	0.90	0.73	1.12	3.50E-01	1.05	0.76	1.46	7.31E-01
rs2908646					0.77	0.59	1.01	6.07E-02	1.07	0.96	1.20	1.99E-01	0.78	0.63	0.96	1.77E-02	0.80	0.58	1.10	1.80E-01
rs12596722					0.65	0.48	0.87	3.93E-03	1.06	0.94	1.18	3.60E-01	0.87	0.69	1.08	2.06E-01	1.10	0.78	1.53	5.94E-01
rs12923310					1.30	0.99	1.70	6.00E-02	0.95	0.85	1.06	3.33E-01	1.05	0.84	1.31	6.56E-01	0.67	0.47	0.94	2.03E-02
rs8044769	0.74	0.55	1.01	5.76E-02	0.84	0.65	1.10	2.18E-01	0.98	0.88	1.09	7.24E-01	0.92	0.75	1.14	4.55E-01	0.72	0.52	0.99	3.93E-02
rs9937815					1.21	0.92	1.60	1.72E-01	0.95	0.84	1.06	3.63E-01	0.99	0.79	1.23	8.91E-01	0.87	0.62	1.22	4.24E-01
rs7404629	1.36	0.92	2.03	1.26E-01	1.13	0.82	1.54	4.53E-01	1.19	1.04	1.35	9.00E-03	1.16	0.91	1.49	2.28E-01	0.88	0.59	1.32	5.53E-01
rs16947129					1.18	0.84	1.65	3.46E-01	1.05	0.92	1.21	4.60E-01	1.00	0.76	1.31	9.85E-01	0.72	0.46	1.14	1.56E-01
rs4078062	0.70	0.43	1.14	1.55E-01	0.68	0.41	1.14	1.46E-01	1.11	0.93	1.31	2.53E-01	0.82	0.59	1.15	2.58E-01	1.20	0.77	1.86	4.22E-01
rs8080960	1.08	0.79	1.47	6.24E-01	1.32	1.01	1.72	4.29E-02	0.99	0.89	1.10	8.48E-01	1.04	0.85	1.29	6.75E-01	1.07	0.78	1.48	6.77E-01
rs11665347					1.45	1.09	1.92	1.09E-02	1.06	0.94	1.19	3.46E-01	1.00	0.79	1.26	9.98E-01	0.89	0.63	1.26	5.02E-01
rs12454396	0.91	0.65	1.26	5.54E-01	0.82	0.62	1.09	1.77E-01	1.02	0.91	1.15	7.27E-01	0.98	0.79	1.21	8.57E-01	1.21	0.86	1.69	2.61E-01
rs17089382					0.85	0.55	1.32	4.81E-01	0.92	0.78	1.08	3.05E-01	0.89	0.64	1.23	4.81E-01	1.58	0.99	2.51	5.12E-02
rs12974139					1.08	0.82	1.41	5.96E-01	0.94	0.85	1.05	2.97E-01	1.12	0.91	1.37	2.98E-01	1.02	0.74	1.41	8.76E-01
rs1610093	0.93	0.51	1.69	8.06E-01	1.46	0.96	2.21	6.40E-02	1.00	0.81	1.22	9.60E-01	0.78	0.53	1.13	1.89E-01	0.84	0.48	1.47	5.38E-01
rs10426443	1.40	0.96	2.03	7.81E-02	1.40	1.01	1.95	5.36E-02	0.98	0.85	1.13	7.98E-01	0.92	0.70	1.22	5.61E-01	1.18	0.79	1.76	4.15E-01
rs10426377					0.85	0.61	1.17	3.23E-01	1.07	0.94	1.22	3.37E-01	1.10	0.87	1.40	4.31E-01	1.00	0.69	1.44	9.81E-01
rs1360400	0.87	0.64	1.19	3.81E-01	1.02	0.78	1.33	8.89E-01	1.08	0.97	1.21	1.57E-01	1.01	0.82	1.24	9.45E-01	0.96	0.69	1.32	7.78E-01
rs172981	0.53	0.31	0.89	1.80E-02	0.77	0.46	1.29	3.25E-01	1.14	0.94	1.38	1.67E-01	1.16	0.81	1.66	4.22E-01	0.76	0.39	1.52	4.48E-01
rs17785895	1.51	0.86	2.66	1.52E-01	0.84	0.54	1.28	3.93E-01	0.96	0.80	1.14	6.40E-01	0.96	0.69	1.34	8.30E-01	1.03	0.62	1.72	9.01E-01
rs4925370					1.03	0.79	1.35	8.32E-01	1.07	0.96	1.20	2.19E-01	0.97	0.79	1.19	7.72E-01	1.10	0.80	1.52	5.63E-01
rs3747081	0.96	0.63	1.46	8.37E-01	0.74	0.47	1.16	1.83E-01	1.01	0.85	1.19	9.36E-01	1.07	0.78	1.47	6.74E-01	0.97	0.59	1.59	8.95E-01
rs7287616	1.19	0.60	2.35	6.23E-01	1.07	0.79	1.44	6.64E-01	0.98	0.87	1.12	8.01E-01	0.98	0.77	1.25	8.89E-01	0.88	0.61	1.29	5.25E-01
rs5762347					1.30	0.98	1.71	6.77E-02	0.96	0.85	1.09	5.58E-01	0.88	0.71	1.11	2.79E-01	1.05	0.75	1.48	7.56E-01

Marker	UK_replication OR	UK_replication L95	UK_replication U95	UK_replication p	TKR_UK_replication OR	TKR_UK_replication L95	TKR_UK_replication U95	TKR_UK_replication p	UK_replication KNEE+ OR	UK_replication KNEE+ L95	UK_replication KNEE+ U95	UK_replication KNEE+ p	Meta arcOGEN_insilico_denovo_fixed OR	L95	U95	p	q_p	i2	Meta arcOGEN_insilico_denovo_random OR	L95	U95	p	q_p	i2
rs1854169													0.95	0.90	1.02	1.40E-01	2.35E-01	0.253	0.97	0.89	1.05	4.07E-01	2.35E-01	0.253
rs1417066	1.04	0.87	1.26	6.52E-01	1.04	0.85	1.27	6.94E-01	1.08	0.90	1.29	4.33E-01	1.07	1.02	1.12	7.38E-03	4.69E-01	0.000	1.07	1.02	1.12	7.38E-03	4.69E-01	0.000
rs1629896													1.12	1.03	1.22	9.70E-03	4.82E-01	0.000	1.12	1.03	1.22	9.70E-03	4.82E-01	0.000
rs987179													0.96	0.91	1.01	1.17E-01	2.96E-01	0.176	0.96	0.90	1.03	2.85E-01	2.96E-01	0.176
rs1024816													1.13	1.03	1.24	9.29E-03	2.84E-01	0.191	1.09	0.97	1.23	1.36E-01	2.84E-01	0.191
rs3791679													1.00	0.94	1.06	9.81E-01	5.43E-01	0.000	1.00	0.94	1.06	9.81E-01	5.43E-01	0.000
rs10779958													1.12	1.05	1.20	1.29E-03	3.25E-02	0.589	1.07	0.94	1.22	3.17E-01	3.25E-02	0.589
rs6754683													0.99	0.94	1.04	6.51E-01	2.36E-01	0.253	0.99	0.92	1.06	6.93E-01	2.36E-01	0.253
rs4622728													0.95	0.90	1.00	4.04E-02	2.52E-02	0.584	0.99	0.90	1.08	7.52E-01	2.52E-02	0.584
rs1432237													1.07	1.00	1.13	3.73E-02	8.13E-01	0.000	1.07	1.00	1.13	3.73E-02	8.13E-01	0.000
rs12618428													0.93	0.87	1.01	8.49E-02	2.02E-01	0.312	0.95	0.86	1.06	3.94E-01	2.02E-01	0.312
rs6716254													1.00	0.95	1.06	9.88E-01	8.19E-01	0.000	1.00	0.95	1.06	9.88E-01	8.19E-01	0.000
rs6793234													0.93	0.86	1.01	9.31E-02	1.10E-01	0.422	0.92	0.81	1.04	1.83E-01	1.10E-01	0.422
rs11177	0.86	0.71	1.04	1.19E-01	0.87	0.71	1.06	1.70E-01	0.88	0.73	1.06	1.74E-01	1.02	0.97	1.08	3.56E-01	1.15E-01	0.395	1.00	0.93	1.08	9.51E-01	1.15E-01	0.395
rs6976	0.87	0.72	1.05	1.45E-01	0.88	0.71	1.08	2.13E-01	0.89	0.74	1.07	2.06E-01	1.02	0.97	1.07	3.85E-01	1.37E-01	0.366	1.00	0.93	1.07	9.55E-01	1.37E-01	0.366
rs10510816													0.88	0.84	0.93	5.92E-07	2.97E-01	0.180	0.89	0.83	0.94	1.31E-04	2.97E-01	0.180
rs1355782													0.95	0.90	1.00	3.14E-02	1.39E-02	0.624	1.00	0.91	1.11	9.68E-01	1.39E-02	0.624
rs16851066													1.09	0.98	1.21	9.85E-02	4.34E-01	0.000	1.09	0.98	1.21	9.85E-02	4.34E-01	0.000
rs9867979													1.12	1.01	1.23	2.47E-02	5.30E-03	0.674	1.03	0.84	1.27	7.75E-01	5.30E-03	0.674
rs12107036	0.82	0.68	0.99	3.82E-02	0.75	0.62	0.92	6.25E-03	0.83	0.70	1.00	4.93E-02	0.91	0.87	0.96	1.20E-04	6.56E-02	0.473	0.93	0.86	1.01	8.03E-02	6.56E-02	0.473
rs16837352													1.06	1.00	1.12	6.74E-02	6.27E-04	0.768	1.07	0.92	1.24	3.90E-01	6.27E-04	0.768
rs17578878													0.86	0.79	0.93	2.17E-04	4.07E-02	0.544	0.89	0.77	1.03	1.09E-01	4.07E-02	0.544
rs11725992													0.91	0.82	1.00	4.73E-02	2.54E-02	0.609	0.97	0.81	1.17	7.84E-01	2.54E-02	0.609
rs6842739													0.88	0.83	0.94	1.01E-04	2.26E-01	0.279	0.90	0.83	0.97	6.90E-03	2.26E-01	0.279
rs2626053													0.92	0.86	0.99	1.88E-02	1.02E-01	0.433	0.94	0.84	1.05	2.51E-01	1.02E-01	0.433
rs2636726													1.05	0.99	1.11	7.81E-02	3.18E-02	0.566	1.01	0.92	1.11	8.63E-01	3.18E-02	0.566
rs12500935													1.06	0.98	1.15	1.61E-01	5.94E-02	0.529	0.99	0.86	1.15	9.31E-01	5.94E-02	0.529
rs1566347													0.95	0.90	1.00	3.90E-02	6.58E-03	0.664	0.99	0.89	1.11	9.24E-01	6.58E-03	0.664
rs4957048	0.95	0.77	1.19	6.75E-01	0.90	0.71	1.14	3.77E-01	0.96	0.78	1.19	7.11E-01	0.98	0.92	1.04	4.52E-01	5.22E-02	0.498	0.99	0.90	1.09	8.33E-01	5.22E-02	0.498
rs1083523													1.05	1.00	1.11	6.92E-02	9.63E-04	0.757	1.01	0.89	1.14	9.22E-01	9.63E-04	0.757
rs2610424													1.05	1.00	1.11	4.12E-02	4.04E-03	0.685	0.99	0.89	1.10	8.40E-01	4.04E-03	0.685
rs457008													0.94	0.89	0.98	9.08E-03	7.16E-01	0.000	0.94	0.89	0.98	9.08E-03	7.16E-01	0.000
rs10036746													1.02	0.94	1.11	6.09E-01	9.00E-01	0.000	1.02	0.94	1.11	6.09E-01	9.00E-01	0.000
rs11135394													0.99	0.93	1.06	8.34E-01	7.05E-04	0.765	1.08	0.93	1.27	3.03E-01	7.05E-04	0.765
rs12515798													1.11	1.04	1.19	1.96E-03	3.30E-03	0.693	1.07	0.92	1.23	3.84E-01	3.30E-03	0.693
rs10515550													1.01	0.96	1.06	8.11E-01	5.75E-01	0.000	1.01	0.96	1.06	8.11E-01	5.75E-01	0.000
rs13167773													0.92	0.85	0.98	1.32E-02	2.90E-03	0.723	0.97	0.83	1.13	6.80E-01	2.90E-03	0.723
rs10051783													1.10	1.02	1.17	8.65E-03	1.36E-02	0.626	1.04	0.91	1.19	5.84E-01	1.36E-02	0.626
rs10948172	1.08	0.88	1.32	4.55E-01	1.17	0.94	1.45	1.72E-01	1.05	0.86	1.28	6.56E-01	1.03	0.97	1.08	3.08E-01	9.57E-01	0.000	1.03	0.97	1.08	3.08E-01	9.57E-01	0.000
rs9350591	0.94	0.70	1.25	6.57E-01	1.01	0.73	1.38	9.74E-01	0.93	0.70	1.23	6.09E-01	0.97	0.90	1.05	4.27E-01	5.66E-01	0.000	0.97	0.90	1.05	4.27E-01	5.66E-01	0.000
rs569731													0.92	0.85	0.99	2.92E-02	5.92E-01	0.000	0.92	0.85	0.99	2.92E-02	5.92E-01	0.000
rs10943837													0.98	0.93	1.03	4.81E-01	1.76E-01	0.330	0.99	0.92	1.07	8.37E-01	1.76E-01	0.330
rs2493984	0.83	0.68	1.02	7.28E-02	0.84	0.68	1.04	1.12E-01	0.82	0.68	0.99	4.37E-02	1.07	1.01	1.12	1.49E-02	2.55E-01	0.220	1.06	0.99	1.14	8.36E-02	2.55E-01	0.220
rs7755798													1.00	0.94	1.07	9.29E-01	5.75E-03	0.670	0.96	0.83	1.10	5.33E-01	5.75E-03	0.670
rs2027532													0.98	0.92	1.04	4.78E-01	7.96E-02	0.469	0.98	0.89	1.08	6.65E-01	7.96E-02	0.469
rs6931833													1.01	0.95	1.06	8.53E-01	9.45E-01	0.000	1.01	0.95	1.06	8.53E-01	9.45E-01	0.000
rs17627827													1.03	0.92	1.15	6.05E-01	6.09E-01	0.000	1.03	0.92	1.15	6.05E-01	6.09E-01	0.000
rs6461679													0.92	0.87	0.96	9.70E-04	2.98E-01	0.173	0.93	0.87	0.99	2.51E-02	2.98E-01	0.173
rs7785659	0.92	0.71	1.19	5.25E-01	0.93	0.70	1.23	6.12E-01	0.91	0.71	1.17	4.66E-01	1.01	0.95	1.09	6.76E-01	7.24E-01	0.000	1.01	0.95	1.09	6.76E-01	7.24E-01	0.000
rs7805536	0.91	0.71	1.15	4.16E-01	0.89	0.68	1.15	3.70E-01	0.92	0.73	1.16	4.86E-01	0.98	0.92	1.05	6.47E-01	7.11E-01	0.000	0.98	0.92	1.05	6.47E-01	7.11E-01	0.000
rs1859572													1.07	1.01	1.13	3.37E-02	2.61E-01	0.221	1.06	0.98	1.15	1.26E-01	2.61E-01	0.221
rs6466265	0.99	0.77	1.26	9.28E-01	1.04	0.80	1.36	7.48E-01	0.97	0.77	1.24	8.22E-01	1.13	1.06	1.20	1.38E-04	1.73E-01	0.334	1.10	1.01	1.21	2.46E-02	1.73E-01	0.334
rs1488517													1.09	1.03	1.16	5.32E-03	2.17E-01	0.291	1.08	0.99	1.17	7.31E-02	2.17E-01	0.291
rs2966417													1.00	0.94	1.06	9.99E-01	2.06E-01	0.291	1.02	0.94	1.10	7.07E-01	2.06E-01	0.291
rs4841020													0.91	0.85	0.98	6.88E-03	4.08E-03	0.685	0.97	0.84	1.12	6.66E-01	4.08E-03	0.685
rs1876836	0.97	0.78	1.21	7.84E-01	1.02	0.80	1.29	8.91E-01	0.95	0.77	1.18	6.49E-01	0.92	0.87	0.98	6.42E-03	6.26E-02	0.478	0.97	0.88	1.06	4.65E-01	6.26E-02	0.478
rs4841067													0.88	0.82	0.95	6.97E-04	8.02E-02	0.468	0.93	0.83	1.05	2.28E-01	8.02E-02	0.468
rs609792													1.08	1.02	1.15	1.35E-02	7.08E-01	0.000	1.08	1.02	1.15	1.35E-02	7.08E-01	0.000
rs6997710													1.15	1.05	1.25	1.86E-03	8.23E-02	0.464	1.11	0.96	1.28	1.60E-01	8.23E-02	0.464
rs1421259													0.96	0.91	1.01	1.58E-01	6.42E-01	0.000	0.96	0.91	1.01	1.58E-01	6.42E-01	0.000
rs2979715													1.01	0.94	1.08	8.70E-01	3.85E-01	0.056	1.00	0.93	1.08	9.37E-01	3.85E-01	0.056
rs2467753													1.01	0.94	1.09	7.22E-01	5.82E-02	0.507	0.98	0.87	1.10	6.85E-01	5.82E-02	0.507
rs2289496													0.96	0.91	1.01	8.32E-02	5.68E-01	0.000	0.96	0.91	1.01	8.32E-02	5.68E-01	0.000
rs16870112													1.08	0.99	1.18	8.42E-02	3.48E-01	0.107	1.07	0.97	1.19	1.66E-01	3.48E-01	0.107
rs10956114													0.97	0.91	1.03	3.04E-01	1.80E-02	0.634	1.01	0.90	1.12	9.15E-01	1.80E-02	0.634
rs4072286													1.03	0.97	1.08	3.48E-01	5.13E-03	0.675	0.96	0.85	1.07	4.28E-01	5.13E-03	0.675
rs2146423													0.93	0.88	0.98	4.75E-03	2.61E-03	0.727	0.99	0.88	1.11	8.62E-01	2.61E-03	0.727
rs945442													1.01	0.95	1.07	7.87E-01	6.81E-01	0.000	1.01	0.95	1.07	7.87E-01	6.81E-01	0.000
rs3780296													1.06	1.00	1.11	3.63E-02	5.79E-01	0.000	1.06	1.00	1.11	3.63E-02	5.79E-01	0.000
rs4072357													0.96	0.91	1.01	1.16E-01	1.42E-03	0.722	1.02	0.90	1.15	7.25E-01	1.42E-03	0.722
rs4836732	1.08	0.89	1.30	4.52E-01	1.07	0.87	1.31	5.36E-01	1.16	0.96	1.39	1.21E-01	1.00	0.96	1.05	9.05E-01	8.13E-01	0.000	1.00	0.96	1.05	9.05E-01	8.13E-01	0.000
rs719535	1.22	0.99	1.52	6.65E-02	1.24	0.98	1.57	6.83E-02	1.21	0.98	1.49	7.47E-02	1.08	1.02	1.15	1.30E-02	7.20E-01	0.000	1.08	1.02	1.15	1.30E-02	7.20E-01	0.000
rs2900277	1.04	0.85	1.29	6.93E-01	1.09	0.87	1.37	4.40E-01	1.02	0.83	1.25	8.80E-01	0.91	0.86	0.96	1.24E-03	6.85E-01	0.000	0.91	0.86	0.96	1.24E-03	6.85E-01	0.000
rs2474714													0.96	0.91	1.02	1.79E-01	2.02E-02	0.600	0.98	0.89	1.09	7.26E-01	2.02E-02	0.600
rs9299558													0.98	0.94	1.03	5.22E-01	8.40E-02	0.485	0.99	0.91	1.08	8.37E-01	8.40E-02	0.485
rs1250552													0.94	0.89	0.99	2.25E-02	9.39E-02	0.469	0.94	0.87	1.03	1.91E-01	9.39E-02	0.469
rs787640													0.99	0.94	1.05	8.04E-01	5.11E-01	0.000	0.99	0.94	1.05	8.04E-01	5.11E-01	0.000
rs11188412	1.07	0.72	1.58	7.47E-01	1.12	0.74	1.71	5.85E-01	0.99	0.67	1.45	9.54E-01	0.83	0.75	0.92	4.89E-04	9.75E-02	0.421	0.85	0.72	1.00	4.83E-02	9.75E-02	0.421
rs4757420													0.93	0.86	0.99	2.74E-02	5.66E-02	0.510	0.97	0.86	1.10	6.75E-01	5.66E-02	0.510
rs7119797													0.99	0.95	1.05	8.11E-01	2.31E-01	0.271	1.00	0.94	1.07	8.85E-01	2.31E-01	0.271
rs17159801													1.06	0.98	1.14	1.52E-01	9.04E-02	0.474	1.04	0.92	1.19	5.21E-01	9.04E-02	0.474
rs2691829													1.03	0.98	1.09	2.50E-01	8.23E-03	0.679	0.98	0.87	1.09	6.84E-01	8.23E-03	0.679
rs6589848													1.00	0.94	1.06	9.13E-01	8.55E-01	0.000	1.00	0.94	1.06	9.13E-01	8.55E-01	0.000
rs7941193	1.06	0.83	1.35	6.63E-01	0.98	0.75	1.28	8.65E-01	1.08	0.85	1.38	5.17E-01	1.13	1.06	1.20	9.11E-05	2.45E-01	0.232	1.11	1.03	1.20	1.01E-02	2.45E-01	0.232
rs7122854													1.02	0.96	1.09	5.66E-01	1.74E-01	0.350	1.02	0.93	1.12	7.00E-01	1.74E-01	0.350
rs7305794													1.11	1.05	1.17	3.11E-04	2.66E-01	0.223	1.10	1.03	1.18	7.82E-03	2.66E-01	0.223
rs10492367	1.00	0.79	1.28	9.72E-01	1.05	0.81	1.37	7.19E-01	1.01	0.80	1.28	9.42E-01	1.00	0.94	1.07	9.07E-01	6.42E-01	0.000	1.00	0.94	1.07	9.07E-01	6.42E-01	0.000
rs6487684													1.07	1.01	1.14	2.18E-02	1.44E-01	0.373	1.05	0.96	1.14	3.32E-01	1.44E-01	0.373
rs1034762													1.04	0.97	1.11	2.84E-01	1.94E-01	0.307	1.06	0.96	1.17	2.29E-01	1.94E-01	0.307
rs11107957													1.07	1.01	1.14	3.38E-02	2.41E-02	0.613	1.04	0.93	1.16	5.13E-01	2.41E-02	0.613
rs1404866													1.06	1.00	1.13	5.05E-02	1.76E-01	0.347	1.03	0.94	1.13	4.88E-01	1.76E-01	0.347
rs11107219													1.09	0.98	1.22	1.01E-01	9.99E-03	0.669	1.03	0.84	1.27	7.65E-01	9.99E-03	0.669
rs835487	1.24	1.02	1.51	3.25E-02	1.23	1.00	1.53	5.27E-02	1.24	1.02	1.50	2.95E-02	1.00	0.95	1.05	9.57E-01	1.31E-02	0.606	0.99	0.90	1.09	7.86E-01	1.31E-02	0.606
rs11064722													1.03	0.97	1.10	3.35E-01	5.55E-02	0.512	1.00	0.90	1.12	9.31E-01	5.55E-02	0.512
rs4544137													0.79	0.70	0.89	1.30E-04	4.16E-02	0.542	0.83	0.68	1.03	9.05E-02	4.16E-02	0.542
rs7994526													0.85	0.75	0.95	3.99E-03	1.14E-02	0.636	0.91	0.73	1.14	4.33E-01	1.14E-02	0.636
rs2036717													1.06	0.96	1.16	2.69E-01	8.58E-01	0.000	1.06	0.96	1.16	2.69E-01	8.58E-01	0.000
rs9520058													0.97	0.92	1.02	1.92E-01	4.54E-01	0.000	0.97	0.92	1.02	1.92E-01	4.54E-01	0.000
rs8015303													1.11	1.00	1.24	5.46E-02	7.84E-03	0.656	1.07	0.86	1.32	5.55E-01	7.84E-03	0.656
rs1627411													0.96	0.90	1.04	3.09E-01	4.03E-02	0.545	0.99	0.87	1.12	8.62E-01	4.03E-02	0.545
rs7155791													0.99	0.92	1.07	8.21E-01	2.41E-02	0.588	0.97	0.84	1.11	6.29E-01	2.41E-02	0.588
rs1998094													1.08	0.99	1.18	8.53E-02	5.74E-02	0.509	1.02	0.89	1.18	7.64E-01	5.74E-02	0.509
rs10144429													1.02	0.96	1.08	5.09E-01	3.12E-03	0.696	0.98	0.86	1.11	7.23E-01	3.12E-03	0.696
rs11634255													1.00	0.95	1.06	8.94E-01	8.74E-01	0.000	1.00	0.95	1.06	8.94E-01	8.74E-01	0.000
rs4646626													1.08	1.02	1.13	4.12E-03	8.55E-01	0.000	1.08	1.02	1.13	4.12E-03	8.55E-01	0.000
rs8032755	1.18	0.98	1.43	8.32E-02	1.18	0.96	1.44	1.23E-01	1.14	0.95	1.38	1.57E-01	0.96	0.91	1.01	8.42E-02	4.03E-01	0.029	0.96	0.91	1.01	1.04E-01	4.03E-01	0.029
rs2908646													0.98	0.94	1.04	5.45E-01	2.05E-02	0.625	0.95	0.86	1.05	3.16E-01	2.05E-02	0.625
rs12596722													1.06	1.01	1.12	3.15E-02	2.24E-03	0.732	0.98	0.87	1.12	8.00E-01	2.24E-03	0.732
rs12923310													0.96	0.92	1.02	1.82E-01	8.20E-02	0.488	0.97	0.89	1.06	5.47E-01	8.20E-02	0.488
rs8044769	1.28	1.06	1.54	1.08E-02	1.24	1.01	1.52	3.81E-02	1.27	1.06	1.53	9.46E-03	0.90	0.86	0.94	1.69E-05	2.47E-03	0.683	0.91	0.82	1.01	6.90E-02	2.47E-03	0.683
rs9937815													1.01	0.96	1.07	6.47E-01	5.86E-01	0.000	1.01	0.96	1.07	6.47E-01	5.86E-01	0.000
rs7404629													0.99	0.93	1.05	6.58E-01	1.99E-04	0.772	1.07	0.91	1.25	3.97E-01	1.99E-04	0.772
rs16947129													1.05	0.98	1.13	1.61E-01	7.58E-02	0.499	1.03	0.92	1.15	6.23E-01	7.58E-02	0.499
rs4078062													1.11	1.02	1.20	1.10E-02	1.10E-02	0.638	0.99	0.84	1.17	9.10E-01	1.10E-02	0.638
rs8080960													1.05	1.00	1.11	4.00E-02	5.96E-01	0.000	1.05	1.00	1.11	4.00E-02	5.96E-01	0.000
rs11665347													0.95	0.90	1.00	7.13E-02	5.28E-03	0.699	1.00	0.89	1.13	9.65E-01	5.28E-03	0.699
rs12454396													0.93	0.88	0.99	2.04E-02	4.11E-02	0.543	0.95	0.86	1.05	3.33E-01	4.11E-02	0.543
rs17089382													0.98	0.91	1.06	6.00E-01	1.68E-01	0.359	0.97	0.87	1.08	5.97E-01	1.68E-01	0.359
rs12974139	1.07	0.88	1.29	5.07E-01	1.13	0.92	1.39	2.27E-01	1.09	0.91	1.32	3.37E-01	0.97	0.93	1.02	3.02E-01	6.92E-01	0.000	0.97	0.93	1.02	3.02E-01	6.92E-01	0.000
rs1610093													0.92	0.83	1.01	8.09E-02	3.20E-01	0.144	0.92	0.82	1.03	1.59E-01	3.20E-01	0.144
rs10426443													0.94	0.88	1.01	8.16E-02	1.68E-02	0.613	1.02	0.90	1.15	7.92E-01	1.68E-02	0.613
rs10426377													1.04	0.99	1.09	1.48E-01	2.98E-03	0.722	1.03	0.92	1.16	6.03E-01	2.98E-03	0.722
rs1360400													1.09	1.04	1.15	6.41E-04	7.13E-02	0.483	1.05	0.96	1.14	2.85E-01	7.13E-02	0.483
rs172981													0.88	0.80	0.98	1.48E-02	1.25E-03	0.726	0.88	0.70	1.09	2.45E-01	1.25E-03	0.726
rs17785895													0.87	0.80	0.94	6.10E-04	2.90E-01	0.183	0.88	0.80	0.98	1.63E-02	2.90E-01	0.183
rs4925370	1.19	0.99	1.44	6.69E-02	1.22	1.00	1.50	5.44E-02	1.14	0.95	1.38	1.51E-01	1.08	1.03	1.14	1.13E-03	8.08E-01	0.000	1.08	1.03	1.14	1.13E-03	8.08E-01	0.000
rs3747081													1.12	1.04	1.21	3.53E-03	1.36E-01	0.384	1.07	0.95	1.20	2.58E-01	1.36E-01	0.384
rs7287616													0.99	0.93	1.04	6.56E-01	1.95E-01	0.306	1.00	0.92	1.09	9.52E-01	1.95E-01	0.306
rs5762347	1.20	0.98	1.46	7.06E-02	1.17	0.95	1.45	1.43E-01	1.21	1.00	1.46	5.36E-02	1.02	0.97	1.08	4.43E-01	2.30E-01	0.261	1.03	0.96	1.10	4.36E-01	2.30E-01	0.261

Meta insilico_denovo_fixed						Meta insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.98	0.90	1.07	6.06E-01	1.90E-01	0.328	0.99	0.88	1.11	8.90E-01	1.90E-01	0.328
1.05	0.98	1.12	1.32E-01	3.99E-01	0.027	1.05	0.98	1.12	1.51E-01	3.99E-01	0.027
1.06	0.94	1.20	3.33E-01	5.74E-01	0.000	1.06	0.94	1.20	3.33E-01	5.74E-01	0.000
1.00	0.92	1.08	9.95E-01	4.34E-01	0.000	1.00	0.92	1.08	9.95E-01	4.34E-01	0.000
0.99	0.87	1.14	9.35E-01	9.71E-01	0.000	0.99	0.87	1.14	9.35E-01	9.71E-01	0.000
1.04	0.96	1.13	3.53E-01	6.53E-01	0.000	1.04	0.96	1.13	3.53E-01	6.53E-01	0.000
0.99	0.90	1.09	8.80E-01	9.51E-01	0.000	0.99	0.90	1.09	8.80E-01	9.51E-01	0.000
0.98	0.91	1.05	5.04E-01	1.68E-01	0.358	0.98	0.89	1.08	7.11E-01	1.68E-01	0.358
1.03	0.96	1.10	3.72E-01	7.48E-01	0.000	1.03	0.96	1.10	3.72E-01	7.48E-01	0.000
1.05	0.97	1.14	2.44E-01	7.39E-01	0.000	1.05	0.97	1.14	2.44E-01	7.39E-01	0.000

Meta TKR_arcOGEN_insilico_denovo_fixed						Meta TKR_arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.95	0.87	1.03	2.16E-01	8.08E-01	0.000	0.95	0.87	1.03	2.16E-01	8.08E-01	0.000
1.11	1.04	1.19	2.41E-03	4.15E-01	0.000	1.11	1.04	1.19	2.41E-03	4.15E-01	0.000
1.15	1.01	1.31	3.39E-02	1.27E-01	0.570	1.12	0.91	1.38	2.95E-01	1.27E-01	0.570
0.92	0.85	1.00	3.95E-02	5.23E-02	0.735	0.94	0.80	1.10	4.47E-01	5.23E-02	0.735
1.33	1.16	1.51	2.48E-05	2.64E-02	0.797	1.22	0.86	1.74	2.70E-01	2.64E-02	0.797
1.03	0.95	1.13	4.66E-01	3.54E-01	0.000	1.03	0.95	1.13	4.66E-01	3.54E-01	0.000
1.18	1.07	1.31	6.95E-04	4.64E-02	0.748	1.15	0.94	1.42	1.76E-01	4.64E-02	0.748
0.98	0.91	1.06	6.36E-01	5.64E-01	0.000	0.98	0.91	1.06	6.36E-01	5.64E-01	0.000
0.93	0.86	1.00	4.14E-02	1.26E-02	0.840	0.95	0.79	1.16	6.40E-01	1.26E-02	0.840
1.07	0.98	1.18	1.20E-01	3.64E-01	0.000	1.07	0.98	1.18	1.20E-01	3.64E-01	0.000

Meta TKR_insilico_denovo_fixed						Meta TKR_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.96	0.83	1.12	5.98E-01	1.00E+00	nan	0.96	0.83	1.12	5.98E-01	1.00E+00	nan
1.05	0.95	1.17	3.30E-01	8.99E-01	0.000	1.05	0.95	1.17	3.30E-01	8.99E-01	0.000
0.98	0.78	1.25	8.94E-01	1.00E+00	nan	0.98	0.78	1.25	8.94E-01	1.00E+00	nan
1.03	0.90	1.18	6.94E-01	1.00E+00	nan	1.03	0.90	1.18	6.94E-01	1.00E+00	nan
1.00	0.75	1.32	9.78E-01	1.00E+00	nan	1.00	0.75	1.32	9.78E-01	1.00E+00	nan
1.10	0.94	1.30	2.41E-01	1.00E+00	nan	1.10	0.94	1.30	2.41E-01	1.00E+00	nan
1.03	0.87	1.22	7.51E-01	1.00E+00	nan	1.03	0.87	1.22	7.51E-01	1.00E+00	nan
1.01	0.89	1.16	8.35E-01	1.00E+00	nan	1.01	0.89	1.16	8.35E-01	1.00E+00	nan
1.06	0.93	1.20	3.71E-01	1.00E+00	nan	1.06	0.93	1.20	3.71E-01	1.00E+00	nan
1.14	0.97	1.34	1.04E-01	1.00E+00	nan	1.14	0.97	1.34	1.04E-01	1.00E+00	nan

Meta KNEE+ arcOGEN_insilico_denovo_fixed						Meta KNEE+ arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.94	0.89	1.00	5.02E-02	1.84E-01	0.320	0.96	0.88	1.05	3.60E-01	1.84E-01	0.320
1.08	1.03	1.13	8.09E-04	3.77E-01	0.067	1.08	1.03	1.14	3.13E-03	3.77E-01	0.067
1.13	1.04	1.23	4.00E-03	4.30E-01	0.000	1.13	1.04	1.23	4.00E-03	4.30E-01	0.000
0.95	0.90	1.00	4.87E-02	2.20E-01	0.273	0.96	0.89	1.03	2.82E-01	2.20E-01	0.273
1.10	1.01	1.20	3.81E-02	5.78E-01	0.000	1.10	1.01	1.20	3.81E-02	5.78E-01	0.000
0.99	0.94	1.05	8.11E-01	4.67E-01	0.000	0.99	0.94	1.05	8.11E-01	4.67E-01	0.000
1.11	1.04	1.19	2.17E-03	6.84E-02	0.512	1.07	0.95	1.20	2.90E-01	6.84E-02	0.512
0.99	0.94	1.04	6.37E-01	2.37E-01	0.251	0.99	0.92	1.05	6.81E-01	2.37E-01	0.251
0.94	0.90	0.98	9.46E-03	8.91E-03	0.649	0.98	0.89	1.09	7.50E-01	8.91E-03	0.649
1.05	0.99	1.12	8.98E-02	8.40E-01	0.000	1.05	0.99	1.12	8.98E-02	8.40E-01	0.000

Meta KNEE+ insilico_denovo_fixed						Meta KNEE+ insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.98	0.90	1.07	6.06E-01	1.90E-01	0.328	0.99	0.88	1.11	8.90E-01	1.90E-01	0.328
1.06	0.99	1.13	1.05E-01	3.94E-01	0.035	1.05	0.99	1.13	1.25E-01	3.94E-01	0.035
1.06	0.94	1.20	3.33E-01	5.74E-01	0.000	1.06	0.94	1.20	3.33E-01	5.74E-01	0.000
1.00	0.92	1.08	9.95E-01	4.34E-01	0.000	1.00	0.92	1.08	9.95E-01	4.34E-01	0.000
0.99	0.87	1.14	9.35E-01	9.71E-01	0.000	0.99	0.87	1.14	9.35E-01	9.71E-01	0.000
1.04	0.96	1.13	3.53E-01	6.53E-01	0.000	1.04	0.96	1.13	3.53E-01	6.53E-01	0.000
0.99	0.90	1.09	8.80E-01	9.51E-01	0.000	0.99	0.90	1.09	8.80E-01	9.51E-01	0.000
0.98	0.91	1.05	5.04E-01	1.68E-01	0.358	0.98	0.89	1.08	7.11E-01	1.68E-01	0.358
1.03	0.96	1.10	3.72E-01	7.48E-01	0.000	1.03	0.96	1.10	3.72E-01	7.48E-01	0.000
1.05	0.97	1.14	2.44E-01	7.39E-01	0.000	1.05	0.97	1.14	2.44E-01	7.39E-01	0.000

Male Knee

Marker	Chr	Position	EA	NEA	arcOGEN				TKR arcOGEN				arcOGEN KNEE+				deCODE			
					OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1	102046864	C	T	0.83	0.74	0.92	5.95E-04	0.85	0.75	0.96	9.56E-03	0.85	0.76	0.93	9.97E-04	1.11	0.92	1.35	2.74E-01
rs1417066	1	217740451	G	A	1.05	0.96	1.14	2.67E-01	1.05	0.95	1.15	3.79E-01	1.06	0.98	1.14	1.68E-01	1.00	0.85	1.18	9.93E-01
rs1629896	1	223752551	G	A	1.26	1.09	1.45	2.06E-03	1.26	1.06	1.49	7.25E-03	1.27	1.11	1.46	4.84E-04	0.99	0.72	1.35	9.44E-01
rs987179	1	242876559	A	G	1.02	0.93	1.12	6.87E-01	1.04	0.93	1.15	5.13E-01	1.00	0.91	1.09	9.13E-01	0.97	0.81	1.16	7.46E-01
rs1024816	2	37454712	G	A	1.02	0.88	1.19	8.10E-01	1.04	0.87	1.24	6.68E-01	1.07	0.93	1.23	3.30E-01	1.00	0.69	1.45	9.94E-01
rs3791679	2	55950396	G	A	0.90	0.81	1.00	4.09E-02	0.92	0.82	1.04	1.68E-01	0.91	0.83	1.00	6.01E-02	1.10	0.89	1.36	4.00E-01
rs10779958	2	74609286	C	A	1.02	0.90	1.14	7.86E-01	1.06	0.93	1.21	3.72E-01	1.03	0.92	1.15	6.03E-01	0.98	0.78	1.22	8.36E-01
rs6754683	2	108522707	A	G	0.95	0.88	1.04	2.74E-01	0.96	0.87	1.06	4.22E-01	0.98	0.91	1.06	6.52E-01	0.91	0.77	1.08	2.90E-01
rs4622728	2	125523313	T	C	0.95	0.87	1.03	2.12E-01	0.92	0.84	1.02	1.03E-01	0.96	0.88	1.03	2.59E-01	1.02	0.86	1.21	8.51E-01
rs1432237	2	137524977	G	A	0.95	0.85	1.05	2.96E-01	0.95	0.84	1.07	3.83E-01	0.94	0.85	1.03	1.97E-01	1.16	0.94	1.43	1.80E-01
rs12618428	2	151441225	G	A	0.75	0.66	0.86	2.50E-05	0.76	0.65	0.88	4.29E-04	0.75	0.66	0.85	7.53E-06	1.04	0.81	1.34	7.58E-01
rs6716254	2	175250720	C	T	0.87	0.80	0.96	3.68E-03	0.87	0.78	0.96	8.69E-03	0.88	0.81	0.96	4.09E-03	0.96	0.80	1.16	6.86E-01
rs6793234	3	8801396	G	A	1.32	1.16	1.50	2.11E-05	1.25	1.08	1.45	3.61E-03	1.32	1.17	1.48	6.86E-06	1.17	0.91	1.51	2.13E-01
rs11177	3	52696345	A	G	1.14	1.04	1.24	3.63E-03	1.16	1.05	1.28	4.24E-03	1.15	1.06	1.25	5.81E-04	1.01	0.85	1.20	9.32E-01
rs6976	3	52703844	T	C	1.13	1.04	1.23	4.74E-03	1.15	1.04	1.27	4.85E-03	1.15	1.06	1.24	8.63E-04	1.01	0.85	1.20	9.19E-01
rs10510816	3	59630570	A	C	1.06	0.97	1.15	2.16E-01	1.03	0.93	1.14	5.49E-01	1.05	0.97	1.13	2.65E-01	1.02	0.86	1.21	8.40E-01
rs1355782	3	132970356	C	T	0.85	0.78	0.93	2.75E-04	0.85	0.77	0.94	2.00E-03	0.86	0.79	0.93	2.20E-04	1.02	0.86	1.22	7.87E-01
rs16851066	3	142325511	A	G	1.01	0.85	1.20	8.98E-01	1.00	0.82	1.22	9.99E-01	1.01	0.86	1.19	9.09E-01	1.13	0.82	1.56	4.49E-01
rs12107036	3	191082854	A	G	0.97	0.89	1.06	4.86E-01	1.02	0.92	1.12	7.67E-01	1.01	0.93	1.09	8.79E-01	0.93	0.79	1.11	4.33E-01
rs16837352	4	5555175	T	G	1.09	0.97	1.23	1.33E-01	1.11	0.97	1.27	1.39E-01	1.11	1.00	1.24	6.15E-02	0.91	0.81	1.03	1.44E-01
rs17578878	4	37577120	T	C	0.87	0.75	0.99	4.05E-02	0.89	0.75	1.04	1.33E-01	0.87	0.76	0.98	2.79E-02	1.06	0.81	1.37	6.87E-01
rs11725992	4	48082608	C	T	0.90	0.76	1.06	2.14E-01	0.87	0.72	1.06	1.73E-01	0.88	0.75	1.03	1.04E-01	0.90	0.65	1.24	4.98E-01
rs12500935	4	114760230	A	G	1.17	1.02	1.34	2.26E-02	1.11	0.94	1.30	2.19E-01	1.21	1.07	1.37	3.32E-03	1.06	0.82	1.37	6.59E-01
rs1566347	4	186969560	T	C	0.85	0.78	0.93	4.70E-04	0.85	0.76	0.94	2.26E-03	0.87	0.80	0.95	1.80E-03	1.09	0.92	1.30	3.06E-01
rs4957048	5	636442	A	G	0.78	0.70	0.86	3.42E-06	0.77	0.68	0.87	2.79E-05	0.79	0.72	0.88	4.72E-06	0.92	0.75	1.13	4.20E-01
rs2610424	5	71292415	C	T	1.10	1.02	1.20	2.15E-02	1.08	0.98	1.19	1.40E-01	1.09	1.01	1.18	3.02E-02	1.09	0.92	1.29	3.30E-01
rs457008	5	81110411	T	C	0.86	0.79	0.93	4.16E-04	0.86	0.78	0.95	2.29E-03	0.88	0.81	0.95	1.35E-03	0.96	0.81	1.13	6.21E-01
rs10036746	5	91780688	A	G	1.01	0.87	1.17	8.84E-01	1.09	0.92	1.29	3.23E-01	1.00	0.87	1.15	9.75E-01	0.84	0.62	1.14	2.67E-01
rs10515550	5	144792886	T	C	0.84	0.77	0.91	4.72E-05	0.80	0.73	0.89	1.66E-05	0.84	0.77	0.90	9.93E-06	1.01	0.86	1.20	8.78E-01
rs13167773	5	148567182	T	C	0.94	0.83	1.06	3.06E-01	0.96	0.83	1.11	5.79E-01	0.93	0.83	1.05	2.46E-01	0.95	0.81	1.12	5.67E-01
rs10051783	5	167755230	T	C	0.95	0.84	1.07	4.08E-01	0.97	0.85	1.12	7.00E-01	0.95	0.85	1.06	3.71E-01	1.19	0.94	1.50	1.46E-01
rs10948172	6	44885669	G	A	1.20	1.10	1.32	5.40E-05	1.19	1.08	1.32	8.83E-04	1.20	1.10	1.30	2.59E-05	1.11	0.93	1.34	2.58E-01
rs9350591	6	76298247	T	C	1.02	0.89	1.16	8.26E-01	0.98	0.84	1.15	8.46E-01	1.05	0.92	1.18	4.74E-01	1.09	0.84	1.41	5.32E-01
rs10943837	6	82727239	T	C	1.01	0.92	1.10	8.72E-01	0.96	0.86	1.06	4.19E-01	0.99	0.91	1.08	8.87E-01	0.82	0.69	0.99	3.64E-02
rs2493984	6	95440213	G	A	1.06	0.97	1.16	1.99E-01	1.07	0.96	1.19	2.09E-01	1.06	0.97	1.15	1.73E-01	0.93	0.77	1.13	4.68E-01
rs7755798	6	109743847	T	C	1.21	1.08	1.35	6.16E-04	1.23	1.09	1.39	1.16E-03	1.24	1.12	1.37	3.16E-05	1.21	0.96	1.52	1.09E-01
rs2027532	6	112741889	C	T	1.23	1.12	1.36	2.65E-05	1.27	1.13	1.42	3.18E-05	1.24	1.13	1.36	3.72E-06	1.06	0.87	1.30	5.51E-01
rs6931833	6	114078284	A	G	1.02	0.93	1.13	6.27E-01	1.00	0.89	1.12	9.60E-01	1.02	0.93	1.11	7.12E-01	1.24	1.03	1.49	2.13E-02
rs17627827	7	16731521	G	A	0.93	0.78	1.10	3.91E-01	0.93	0.76	1.13	4.67E-01	0.86	0.73	1.01	6.77E-02				
rs6461679	7	22976588	T	C	0.96	0.88	1.05	3.75E-01	0.96	0.87	1.06	4.35E-01	0.95	0.88	1.04	2.68E-01	0.97	0.81	1.16	7.21E-01
rs7785659	7	32427540	T	C	1.31	1.17	1.47	3.57E-06	1.27	1.11	1.45	3.59E-04	1.36	1.22	1.51	1.37E-08	1.03	0.78	1.37	8.40E-01
rs7805536	7	32540095	C	T	1.29	1.16	1.44	4.90E-06	1.25	1.11	1.42	4.43E-04	1.33	1.20	1.47	4.38E-08	1.03	0.80	1.32	8.49E-01
rs1859572	7	76870933	T	C	1.04	0.94	1.15	4.73E-01	0.98	0.87	1.10	7.29E-01	1.07	0.97	1.17	1.77E-01	1.22	1.00	1.49	5.29E-02
rs6466265	7	77998184	G	A	1.09	0.98	1.21	1.04E-01	1.09	0.97	1.23	1.64E-01	1.08	0.98	1.20	1.06E-01	0.99	0.79	1.23	9.17E-01
rs2966417	7	109944782	A	G	1.02	0.92	1.12	7.50E-01	1.02	0.91	1.15	7.30E-01	1.01	0.92	1.11	8.46E-01	0.88	0.72	1.09	2.40E-01
rs4841020	8	8638760	G	A	0.97	0.86	1.09	5.83E-01	0.97	0.85	1.11	6.60E-01	0.97	0.87	1.08	5.26E-01	0.88	0.71	1.10	2.56E-01
rs1876836	8	8719166	T	C	0.96	0.87	1.06	4.58E-01	0.94	0.83	1.05	2.68E-01	0.96	0.87	1.05	3.90E-01	0.96	0.79	1.16	6.35E-01
rs4841067	8	8784655	G	A	1.01	0.90	1.14	8.63E-01	1.01	0.88	1.16	8.78E-01	1.01	0.90	1.12	9.28E-01	1.06	0.84	1.33	6.20E-01
rs609792	8	9857300	T	C	0.99	0.89	1.09	7.99E-01	0.98	0.87	1.10	7.38E-01	0.99	0.91	1.09	9.16E-01	0.95	0.78	1.15	5.97E-01
rs6997710	8	10247861	G	A	1.01	0.87	1.16	9.35E-01	0.95	0.80	1.13	5.42E-01	1.03	0.90	1.18	6.35E-01	1.22	0.92	1.61	1.69E-01
rs1421259	8	15607043	A	G	1.03	0.94	1.13	4.91E-01	1.06	0.96	1.17	2.54E-01	1.03	0.95	1.12	4.74E-01	0.86	0.72	1.02	8.81E-02
rs2289496	8	98357340	C	A	0.94	0.87	1.03	1.96E-01	0.95	0.86	1.05	3.32E-01	0.96	0.88	1.04	2.85E-01	0.98	0.82	1.17	8.18E-01
rs16870112	8	104191422	A	C	1.10	0.94	1.28	2.27E-01	1.16	0.97	1.37	9.59E-02	1.12	0.97	1.29	1.10E-01	0.95	0.70	1.28	7.20E-01
rs4072286	8	142805713	G	T	1.07	0.98	1.17	1.34E-01	1.11	1.00	1.22	4.66E-02	1.07	0.98	1.16	1.31E-01	1.07	0.91	1.26	4.34E-01
rs2146423	9	4647040	G	A	0.94	0.86	1.02	1.36E-01	0.95	0.86	1.05	3.18E-01	0.94	0.87	1.02	1.48E-01	0.96	0.82	1.12	6.16E-01
rs945442	9	18917768	C	A	1.00	0.90	1.10	9.44E-01	0.97	0.87	1.10	6.74E-01	0.98	0.89	1.08	7.00E-01	0.97	0.80	1.17	7.48E-01
rs3780296	9	79327254	C	T	1.17	1.07	1.27	3.74E-04	1.20	1.09	1.33	2.51E-04	1.13	1.04	1.22	3.47E-03	0.86	0.72	1.02	8.29E-02
rs4836732	9	118306516	C	T	0.96	0.89	1.05	4.02E-01	0.95	0.86	1.05	3.33E-01	0.97	0.89	1.05	3.93E-01	1.01	0.86	1.20	8.86E-01
rs2900277	9	131434091	G	T	0.88	0.80	0.97	1.36E-02	0.84	0.75	0.95	4.25E-03	0.89	0.81	0.98	1.62E-02	0.86	0.70	1.05	1.29E-01
rs9299558	10	56603927	A	C	0.86	0.79	0.93	2.93E-04	0.80	0.73	0.88	9.92E-06	0.85	0.79	0.92	9.76E-05	1.13	0.96	1.34	1.46E-01
rs787640	10	95114663	G	A	0.96	0.87	1.06	4.09E-01	0.93	0.84	1.04	2.21E-01	0.95	0.87	1.04	2.81E-01	1.00	0.83	1.21	9.98E-01
rs11188412	10	97391986	A	G	0.75	0.63	0.90	1.83E-03	0.79	0.64	0.97	2.17E-02	0.80	0.67	0.94	6.03E-03	0.99	0.69	1.41	9.44E-01
rs4757420	11	12371653	T	G	0.94	0.84	1.05	2.58E-01	0.93	0.81	1.06	2.51E-01	0.92	0.83	1.03	1.40E-01	1.01	0.80	1.28	9.19E-01
rs7119797	11	61922811	T	C	0.99	0.91	1.08	7.86E-01	0.98	0.89	1.08	6.50E-01	0.99	0.91	1.07	7.08E-01	0.94	0.80	1.11	4.92E-01
rs17159801	11	82496946	A	G	1.01	0.89	1.15	8.88E-01	1.04	0.89	1.20	6.57E-01	1.05	0.93	1.19	4.03E-01	1.09	0.87	1.36	4.78E-01
rs2691829	11	90240224	T	C	1.12	1.03	1.22	9.80E-03	1.12	1.01	1.23	3.14E-02	1.09	1.01	1.18	3.24E-02	1.05	0.88	1.25	6.18E-01
rs6589848	11	120229228	T	C	1.03	0.93	1.15	5.70E-01	0.98	0.87	1.11	7.31E-01	1.04	0.94	1.15	4.56E-01	1.01	0.82	1.26	8.96E-01
rs7941193	11	125876053	A	G	0.94	0.84	1.05	2.57E-01	0.90	0.79	1.02	1.08E-01	0.93	0.84	1.03	1.70E-01	1.15	0.93	1.41	2.02E-01
rs7122854	11	132673733	G	A	1.16	1.04	1.29	8.63E-03	1.15	1.01	1.30	3.35E-02	1.14	1.03	1.26	1.33E-02	0.83	0.65	1.05	1.25E-01
rs7305794	12	24860894	T	C	1.02	0.93	1.12	6.43E-01	1.00	0.90	1.12	9.94E-01	1.03	0.94	1.12	5.19E-01	0.94	0.77	1.14	5.29E-01
rs10492367	12	27906237	T	G	1.11	1.00	1.23	5.66E-02	1.09	0.96	1.23	1.89E-01	1.10	0.99	1.21	7.24E-02	0.84	0.68	1.05	1.30E-01
rs6487684	12	28534480	T	C	1.01	0.91	1.12	8.20E-01	0.97	0.86	1.09	5.89E-01	1.00	0.91	1.10	9.82E-01	1.28	1.05	1.56	1.30E-02
rs1034762	12	46675910	A	C	1.24	1.11	1.39	1.76E-04	1.32	1.16	1.51	2.55E-05	1.24	1.12	1.38	7.98E-05	1.05	0.81	1.35	7.31E-01
rs1404866	12	83888610	T	G	1.14	1.04	1.26	6.45E-03	1.14	1.02	1.28	2.26E-02	1.17	1.07	1.28	7.56E-04	0.98	0.78	1.22	8.29E-01
rs835487	12	103584897	G	A	1.00	0.92	1.09	1.00E+00	0.97	0.88	1.08	5.98E-01	1.00	0.92	1.08	9.08E-01	1.18	0.99	1.41	6.05E-02
rs11064722	12	118157566	T	C	1.13	1.02	1.25	2.12E-02	1.18	1.05	1.33	6.24E-03	1.14	1.03	1.25	8.71E-03	0.98	0.82	1.17	8.24E-01
rs9520058	13	105855421	G	T	0.95	0.87	1.04	2.44E-01	0.90	0.81	0.99	3.48E-02	0.94	0.87	1.02	1.48E-01	1.05	0.88	1.25	5.88E-01
rs7155791	14	49487980	T	C	1.18	1.05	1.34	7.04E-03	1.30	1.14	1.49	1.52E-04	1.19	1.06	1.33	3.53E-03	0.77	0.60	0.99	4.23E-02
rs11634255	15	30874764	G	A	1.21	1.11	1.32	8.30E-06	1.24	1.12	1.37	1.79E-05	1.18	1.09	1.27	6.14E-05	1.10	0.94	1.28	2.59E-01
rs4646626	15	56043419	C	T	1.16	1.07	1.26	4.78E-04	1.16	1.05	1.28	2.70E-03	1.13	1.05	1.23	2.05E-03	1.27	1.08	1.51	5.12E-03
rs8032755	15	91403060	A	G	0.88	0.81	0.96	4.47E-03	0.83	0.75	0.92	2.40E-04	0.88	0.81	0.95	1.95E-03	1.00	0.88	1.15	9.63E-01
rs2908646	16	4971845	A	G	1.21	1.11	1.32	9.17E-06	1.19	1.08	1.31	5.18E-04	1.17	1.08	1.27	7.00E-05	0.96	0.81	1.13	5.93E-01
rs12596722	16	9324789	C	A	1.16	1.06	1.27	9.74E-04	1.17	1.05	1.29	3.23E-03	1.14	1.05	1.24	2.17E-03	0.85	0.71	1.02	8.04E-02
rs12923310	16	9695438	T	G	0.84	0.77	0.91	8.01E-05	0.83	0.75	0.92	3.39E-04	0.85	0.78	0.92	7.64E-05	1.01	0.85	1.20	9.01E-01
rs8044769	16	52396636	T	C	0.97	0.89	1.06	5.24E-01	0.97	0.88	1.07	5.77E-01	0.99	0.91	1.07	7.37E-01	1.07	0.91	1.27	4.07E-01
rs9937815	16	54888333	G	A	0.96	0.88	1.05	4.19E-01	1.00	0.90	1.11	9.91E-01	0.98	0.90	1.07	6.99E-01	0.97	0.81	1.15	6.95E-01
rs7404629	16	64970230	A	G	1.02	0.92	1.13	7.21E-01	1.02	0.91	1.15	7.27E-01	1.01	0.92	1.11	8.79E-01	0.83	0.66	1.05	1.13E-01
rs4078062	17	16919559	A	G	1.03	0.90	1.17	7.11E-01	0.98	0.84	1.15	8.17E-01	1.02	0.90	1.15	7.88E-01	0.91	0.67	1.23	5.18E-01
rs8080960	17	67298538	G	A	1.01	0.92	1.09	9.06E-01	1.03	0.93	1.13	6.03E-01	0.99	0.91	1.07	7.96E-01	1.02	0.86	1.21	8.17E-01
rs11665347	18	10468812	A	G	0.88	0.81	0.97	8.40E-03	0.89	0.80	0.99	3.16E-02	0.89	0.81	0.97	5.98E-03	0.83	0.68	1.01	5.72E-02
rs17089382	18	70369681	T	C	1.12	0.98	1.28	9.93E-02	1.15	0.98	1.34	8.27E-02	1.13	1.00	1.28	5.59E-02	0.99	0.79	1.24	9.12E-01
rs12974139	19	2135005	C	T	0.97	0.89	1.05	4.12E-01	0.99	0.90	1.10	9.16E-01	0.96	0.89	1.04	3.08E-01	0.89	0.75	1.06	1.92E-01
rs10426443	19	8017982	G	A	1.04	0.94	1.16	4.43E-01	1.03	0.90	1.16	6.85E-01	1.03	0.93	1.14	5.71E-01	1.15	0.93	1.41	2.00E-01
rs10426377	19	53784046	A	C	0.97	0.88	1.07	4.96E-01	0.96	0.86	1.08	5.07E-01	0.97	0.89	1.07	5.55E-01	1.06	0.96	1.17	2.77E-01
rs1360400	20	22909890	A	G	0.99	0.91	1.08	7.99E-01	0.97	0.88	1.07	5.69E-01	0.98	0.90	1.06	5.54E-01	0.99	0.84	1.17	9.23E-01
rs17785895	20	47866466	G	A	0.84	0.73	0.96	1.27E-02	0.80	0.68	0.94	7.80E-03	0.85	0.75	0.96	1.11E-02	1.09	0.85	1.38	5.11E-01
rs4925370	20	60300986	G	A	1.19	1.09	1.29	6.75E-05	1.20	1.09	1.32	2.73E-04	1.15	1.06	1.24	6.79E-04	1.11	0.94	1.31	2.16E-01
rs3747081	22	19682120	A	G	1.00	0.88	1.14	9.88E-01	1.03	0.89	1.19	7.15E-01	1.00	0.88	1.12	9.36E-01	1.20	0.93	1.54	1.64E-01
rs7287616	22	22259852	T	C	0.95	0.86	1.04	2.61E-01	0.92	0.82	1.03	1.40E-01	0.95	0.86	1.04	2.28E-01	1.01	0.84	1.21	9.55E-01
rs5762347	22	26489672	A	G	1.08	0.99	1.18	9.54E-02	1.02	0.92	1.13	7.44E-01	1.06	0.97	1.15	1.96E-01	1.03	0.86	1.24	7.49E-01

Marker	EGCUT				RS1				RS2				UK_replication				TKR_UK_replication				UK_replication KNEE+			
	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p	OR	L95	U95	p
rs1854169	1.54	0.85	2.79	1.59E-01	0.92	0.76	1.12	4.27E-01	0.78	0.55	1.10	1.50E-01												
rs1417066					1.09	0.93	1.27	2.84E-01	0.90	0.69	1.17	4.37E-01	0.95	0.82	1.10	4.87E-01	1.00	0.86	1.18	9.75E-01	0.99	0.86	1.13	8.38E-01
rs1629896	1.93	0.72	5.20	1.93E-01	0.88	0.67	1.17	3.80E-01	0.75	0.42	1.32	3.20E-01												
rs987179	1.33	0.77	2.29	3.08E-01	1.02	0.86	1.21	8.02E-01	1.05	0.78	1.41	7.41E-01												
rs1024816	0.96	0.42	2.20	9.21E-01	1.04	0.78	1.37	8.02E-01	0.63	0.36	1.11	1.09E-01												
rs3791679	0.89	0.53	1.51	6.71E-01	1.01	0.84	1.21	9.13E-01	0.86	0.62	1.18	3.41E-01												
rs10779958					0.87	0.70	1.09	2.34E-01	1.14	0.78	1.68	4.97E-01												
rs6754683	0.82	0.51	1.32	4.23E-01	0.93	0.79	1.09	3.49E-01	0.74	0.56	0.97	3.17E-02												
rs4622728	1.23	0.76	1.98	4.01E-01	1.01	0.87	1.18	8.86E-01	0.85	0.64	1.11	2.25E-01												
rs1432237	1.29	0.71	2.32	4.00E-01	1.05	0.86	1.27	6.43E-01	0.97	0.70	1.35	8.58E-01												
rs12618428					1.05	0.84	1.32	6.52E-01	1.05	0.72	1.54	7.98E-01												
rs6716254	0.92	0.54	1.55	7.48E-01	0.90	0.75	1.07	2.17E-01	0.94	0.69	1.26	6.72E-01												
rs6793234	0.86	0.41	1.81	6.93E-01	1.18	0.92	1.51	1.90E-01	0.95	0.59	1.51	8.14E-01												
rs11177	1.52	0.94	2.46	8.73E-02	1.14	0.97	1.33	1.01E-01	1.12	0.86	1.46	4.00E-01	1.13	0.98	1.31	9.78E-02	1.10	0.94	1.30	2.38E-01	1.10	0.96	1.26	1.90E-01
rs6976	1.52	0.94	2.45	8.87E-02	1.14	0.97	1.33	1.08E-01	1.12	0.86	1.46	3.98E-01	1.15	0.99	1.32	6.50E-02	1.13	0.96	1.33	1.42E-01	1.11	0.97	1.27	1.38E-01
rs10510816					1.03	0.88	1.20	7.46E-01	1.10	0.84	1.44	4.69E-01												
rs1355782	0.93	0.57	1.50	7.53E-01	0.87	0.74	1.02	8.90E-02	0.76	0.58	1.01	5.61E-02												
rs16851066					1.10	0.81	1.48	5.32E-01	1.44	0.93	2.24	1.06E-01												
rs12107036	1.67	1.04	2.68	3.22E-02	0.90	0.77	1.06	2.11E-01	1.16	0.89	1.51	2.83E-01	1.04	0.90	1.19	6.29E-01	1.07	0.91	1.25	4.26E-01	1.04	0.90	1.18	6.19E-01
rs16837352					1.33	1.09	1.62	6.00E-03	0.94	0.67	1.32	7.10E-01												
rs17578878	1.61	0.64	4.04	3.12E-01	1.06	0.84	1.34	6.17E-01	0.66	0.40	1.08	1.00E-01												
rs11725992	1.24	0.46	3.30	6.69E-01	0.65	0.47	0.90	1.00E-02	1.60	1.01	2.56	4.66E-02												
rs12500935					0.93	0.72	1.22	6.10E-01	1.26	0.82	1.93	2.93E-01												
rs1566347	0.77	0.46	1.29	3.21E-01	0.95	0.81	1.13	5.70E-01	0.88	0.67	1.16	3.76E-01												
rs4957048	0.56	0.30	1.04	6.43E-02	0.82	0.68	1.00	4.90E-02	1.14	0.83	1.56	4.22E-01	0.90	0.75	1.07	2.17E-01	0.94	0.78	1.14	5.40E-01	0.90	0.77	1.07	2.25E-01
rs2610424	0.70	0.43	1.15	1.60E-01	0.95	0.81	1.11	4.96E-01	1.01	0.78	1.31	9.41E-01												
rs457008	0.99	0.62	1.59	9.73E-01	0.97	0.83	1.14	7.16E-01	1.14	0.88	1.48	3.14E-01												
rs10036746					1.30	1.03	1.64	2.60E-02	0.95	0.60	1.51	8.19E-01												
rs10515550					1.00	0.86	1.17	9.61E-01	0.91	0.70	1.18	4.58E-01												
rs13167773					1.08	0.87	1.35	4.85E-01	0.91	0.60	1.38	6.55E-01												
rs10051783	1.54	0.81	2.93	1.90E-01	0.90	0.73	1.12	3.47E-01	0.77	0.52	1.13	1.84E-01												
rs10948172					1.00	0.84	1.18	9.94E-01	1.10	0.83	1.45	5.26E-01	1.08	0.93	1.26	3.13E-01	1.18	0.99	1.39	6.13E-02	1.10	0.95	1.27	2.18E-01
rs9350591	1.30	0.68	2.49	4.24E-01	1.14	0.90	1.45	2.62E-01	0.85	0.55	1.33	4.81E-01	0.87	0.69	1.11	2.67E-01	0.76	0.57	1.00	5.28E-02	0.91	0.73	1.13	3.92E-01
rs10943837	1.09	0.65	1.84	7.38E-01	0.94	0.80	1.10	4.58E-01	1.11	0.84	1.47	4.67E-01												
rs2493984	1.04	0.61	1.78	8.82E-01	1.15	0.97	1.35	1.02E-01	1.08	0.81	1.43	6.15E-01	1.05	0.90	1.22	5.68E-01	1.06	0.90	1.26	4.78E-01	1.04	0.90	1.20	5.65E-01
rs7755798	0.90	0.45	1.79	7.55E-01	1.03	0.85	1.24	7.82E-01	0.93	0.67	1.30	6.81E-01												
rs2027532	1.10	0.67	1.82	7.10E-01	1.00	0.83	1.20	9.72E-01	1.27	0.94	1.71	1.18E-01												
rs6931833					1.01	0.84	1.20	9.59E-01	1.07	0.79	1.45	6.54E-01												
rs17627827					1.08	0.81	1.46	5.92E-01	0.95	0.57	1.56	8.30E-01												
rs6461679	0.92	0.58	1.48	7.36E-01	1.02	0.86	1.19	8.55E-01	1.03	0.79	1.34	8.26E-01												
rs7785659	0.89	0.48	1.64	7.01E-01	1.10	0.89	1.35	3.89E-01	1.34	0.96	1.88	8.37E-02	0.99	0.81	1.22	9.38E-01	1.04	0.82	1.30	7.61E-01	1.07	0.89	1.30	4.68E-01
rs7805536					1.14	0.94	1.39	1.95E-01	1.34	0.98	1.85	6.69E-02	0.96	0.78	1.17	6.57E-01	1.02	0.82	1.27	8.50E-01	1.06	0.88	1.27	5.48E-01
rs1859572	0.66	0.37	1.18	1.59E-01	0.98	0.81	1.19	8.52E-01	1.01	0.73	1.40	9.55E-01												
rs6466265					0.81	0.67	0.99	3.50E-02	1.31	0.97	1.77	8.14E-02	0.85	0.70	1.02	8.18E-02	0.77	0.62	0.96	1.79E-02	0.85	0.71	1.01	7.06E-02
rs2966417	0.73	0.40	1.31	2.91E-01	0.96	0.79	1.16	6.31E-01	0.90	0.66	1.23	4.93E-01												
rs4841020	1.82	0.94	3.52	7.41E-02	1.00	0.81	1.22	9.71E-01	1.22	0.86	1.71	2.65E-01												
rs1876836	1.65	0.95	2.88	7.78E-02	1.16	0.98	1.37	9.50E-02	1.14	0.84	1.55	4.01E-01	1.03	0.87	1.21	7.68E-01	1.01	0.84	1.22	9.17E-01	1.02	0.87	1.19	8.21E-01
rs4841067	1.09	0.56	2.12	8.07E-01	1.14	0.93	1.41	2.09E-01	1.03	0.71	1.50	8.69E-01												
rs609792					0.90	0.74	1.09	2.75E-01	0.89	0.64	1.25	5.07E-01												
rs6997710	1.36	0.64	2.87	4.26E-01	0.88	0.64	1.20	4.12E-01	0.87	0.52	1.45	5.86E-01												
rs1421259					1.08	0.92	1.26	3.66E-01	1.00	0.77	1.31	9.91E-01												
rs2289496	1.14	0.70	1.84	5.98E-01	1.09	0.93	1.28	2.87E-01	1.07	0.82	1.41	6.07E-01												
rs16870112	1.92	0.72	5.16	1.94E-01	0.93	0.71	1.21	5.90E-01	0.65	0.38	1.11	1.18E-01												
rs4072286	1.39	0.81	2.38	2.33E-01	0.94	0.79	1.13	5.25E-01	1.01	0.77	1.34	9.33E-01												
rs2146423					1.00	0.86	1.17	9.79E-01	1.02	0.78	1.34	8.66E-01												
rs945442	0.85	0.49	1.46	5.50E-01	1.03	0.86	1.23	7.60E-01	1.21	0.89	1.64	2.20E-01												
rs3780296	1.25	0.78	2.01	3.60E-01	1.07	0.92	1.26	3.84E-01	1.14	0.87	1.49	3.40E-01												
rs4836732	1.38	0.85	2.26	1.92E-01	0.97	0.83	1.14	7.26E-01	0.88	0.68	1.14	3.27E-01	0.91	0.79	1.05	1.95E-01	0.96	0.82	1.12	5.98E-01	0.95	0.83	1.09	4.50E-01
rs2900277	0.71	0.42	1.20	2.02E-01	0.82	0.68	0.99	4.30E-02	0.93	0.67	1.28	6.51E-01	1.02	0.86	1.20	8.62E-01	1.06	0.88	1.27	5.68E-01	0.98	0.84	1.15	8.28E-01
rs9299558					1.04	0.89	1.22	6.14E-01	1.00	0.77	1.31	9.78E-01												
rs787640					0.98	0.82	1.16	7.74E-01	0.77	0.56	1.05	9.84E-02												
rs11188412	0.95	0.38	2.35	9.08E-01	0.93	0.67	1.27	6.34E-01	0.96	0.56	1.63	8.77E-01	1.20	0.92	1.57	1.77E-01	1.40	1.05	1.85	2.01E-02	1.12	0.87	1.45	3.84E-01
rs4757420	1.02	0.57	1.81	9.59E-01	0.81	0.65	1.02	7.20E-02	0.75	0.51	1.09	1.31E-01												
rs7119797					1.07	0.91	1.25	4.07E-01	0.90	0.69	1.18	4.65E-01												
rs17159801					1.25	0.97	1.61	7.80E-02	1.22	0.80	1.86	3.61E-01												
rs2691829					0.89	0.76	1.05	1.55E-01	0.92	0.70	1.20	5.26E-01												
rs6589848					0.91	0.74	1.11	3.48E-01	1.00	0.71	1.40	9.83E-01												
rs7941193	1.69	0.93	3.06	8.59E-02	1.09	0.89	1.32	4.11E-01	0.66	0.45	0.96	3.20E-02	0.91	0.76	1.09	3.24E-01	0.91	0.74	1.12	3.71E-01	0.91	0.76	1.07	2.55E-01
rs7122854					1.03	0.84	1.24	8.03E-01	0.95	0.67	1.35	7.75E-01												
rs7305794					1.03	0.87	1.22	7.35E-01	0.96	0.72	1.29	8.12E-01												
rs10492367	1.28	0.72	2.30	3.98E-01	1.07	0.89	1.28	4.96E-01	0.96	0.67	1.36	7.99E-01	0.91	0.76	1.10	3.21E-01	0.88	0.72	1.09	2.36E-01	0.88	0.74	1.05	1.69E-01
rs6487684	0.72	0.43	1.22	2.27E-01	0.93	0.77	1.12	4.47E-01	1.19	0.87	1.63	2.86E-01												
rs1034762	0.83	0.46	1.51	5.50E-01	1.15	0.93	1.43	1.84E-01	1.08	0.75	1.54	6.86E-01												
rs1404866					0.97	0.81	1.16	7.24E-01	1.18	0.88	1.60	2.73E-01												
rs835487	0.99	0.60	1.65	9.82E-01	1.06	0.90	1.25	4.91E-01	0.72	0.53	0.96	2.66E-02	0.90	0.78	1.05	1.88E-01	0.93	0.79	1.10	4.13E-01	0.91	0.79	1.05	1.79E-01
rs11064722	0.80	0.42	1.53	5.09E-01	1.13	0.94	1.36	2.07E-01	0.85	0.61	1.20	3.56E-01												
rs9520058					1.00	0.85	1.18	9.87E-01	0.91	0.69	1.20	5.12E-01												
rs7155791	0.81	0.41	1.62	5.49E-01	1.13	0.90	1.41	3.01E-01	0.85	0.55	1.30	4.50E-01												
rs11634255					1.04	0.89	1.21	6.38E-01	1.03	0.79	1.33	8.51E-01												
rs4646626	1.05	0.65	1.69	8.49E-01	1.06	0.91	1.23	4.65E-01	0.82	0.63	1.08	1.56E-01												
rs8032755					1.12	0.95	1.31	1.69E-01	1.11	0.84	1.45	4.74E-01	1.01	0.87	1.17	8.98E-01	0.92	0.78	1.08	3.01E-01	0.98	0.86	1.12	7.90E-01
rs2908646					0.97	0.83	1.13	7.04E-01	1.07	0.82	1.39	6.31E-01												
rs12596722					1.08	0.92	1.27	3.47E-01	1.01	0.75	1.34	9.71E-01												
rs12923310					1.05	0.89	1.23	5.86E-01	1.00	0.76	1.31	9.89E-01												
rs8044769	0.91	0.57	1.45	6.88E-01	0.95	0.81	1.11	5.19E-01	1.04	0.80	1.36	7.79E-01	0.93	0.80	1.07	2.82E-01	0.88	0.75	1.03	1.20E-01	0.92	0.80	1.05	1.99E-01
rs9937815					0.95	0.81	1.12	5.37E-01	0.90	0.68	1.19	4.46E-01												
rs7404629	1.91	1.02	3.61	4.46E-02	1.03	0.85	1.25	7.77E-01	1.01	0.73	1.39	9.71E-01												
rs4078062	1.11	0.54	2.31	7.74E-01	0.91	0.72	1.16	4.67E-01	0.97	0.63	1.50	9.03E-01												
rs8080960	1.18	0.74	1.89	4.88E-01	1.13	0.97	1.32	1.16E-01	1.08	0.83	1.41	5.60E-01												
rs11665347					1.06	0.89	1.25	5.12E-01	0.96	0.72	1.28	7.96E-01												
rs17089382					0.86	0.66	1.11	2.45E-01	1.11	0.74	1.65	6.16E-01												
rs12974139					0.97	0.83	1.14	7.48E-01	1.28	0.99	1.66	6.31E-02	1.02	0.88	1.18	7.87E-01	0.97	0.82	1.14	6.94E-01	1.03	0.90	1.18	6.47E-01
rs10426443	1.30	0.71	2.38	3.91E-01	1.15	0.94	1.40	1.73E-01	1.01	0.71	1.43	9.53E-01												
rs10426377					0.98	0.81	1.19	8.34E-01	1.02	0.76	1.38	8.93E-01												
rs1360400	0.66	0.41	1.07	9.40E-02	0.92	0.79	1.07	2.73E-01	1.09	0.83	1.44	5.38E-01												
rs17785895	0.52	0.21	1.29	1.58E-01	0.92	0.70	1.19	5.17E-01	1.04	0.67	1.61	8.50E-01												
rs4925370					0.99	0.85	1.15	8.84E-01	1.12	0.86	1.46	3.95E-01	1.04	0.90	1.20	6.43E-01	1.03	0.88	1.22	6.88E-01	1.03	0.89	1.18	7.18E-01
rs3747081	0.90	0.48	1.70	7.41E-01	1.10	0.87	1.39	4.37E-01	1.08	0.72	1.60	7.16E-01												
rs7287616	1.06	0.40	2.77	9.05E-01	0.93	0.77	1.11	3.95E-01	0.92	0.68	1.24	5.78E-01												
rs5762347					1.06	0.88	1.28	5.43E-01	1.39	1.06	1.82	1.63E-02	0.93	0.80	1.08	3.50E-01	0.90	0.76	1.07	2.52E-01	0.95	0.82	1.10	4.78E-01

Marker	Meta arcOGEN_insilico_denovo_fixed						Meta arcOGEN_insilico_denovo_random						Meta insilico_denovo_fixed					
	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
rs1854169	0.90	0.83	0.97	8.51E-03	2.87E-02	0.630	0.94	0.80	1.11	4.58E-01	2.87E-02	0.630	1.00	0.88	1.13	9.40E-01	1.13E-01	0.498
rs1417066	1.02	0.96	1.08	4.71E-01	5.68E-01	0.000	1.02	0.96	1.08	4.71E-01	5.68E-01	0.000	1.00	0.92	1.08	9.30E-01	5.29E-01	0.000
rs1629896	1.12	1.00	1.26	4.72E-02	5.94E-02	0.559	1.04	0.83	1.31	7.12E-01	5.94E-02	0.559	0.93	0.77	1.12	4.46E-01	3.99E-01	0.000
rs987179	1.02	0.95	1.09	6.21E-01	8.75E-01	0.000	1.02	0.95	1.09	6.21E-01	8.75E-01	0.000	1.02	0.91	1.14	7.72E-01	7.48E-01	0.000
rs1024816	1.00	0.88	1.13	9.56E-01	6.09E-01	0.000	1.00	0.88	1.13	9.56E-01	6.09E-01	0.000	0.96	0.78	1.17	6.74E-01	4.81E-01	0.000
rs3791679	0.94	0.87	1.02	1.25E-01	4.58E-01	0.000	0.94	0.87	1.02	1.25E-01	4.58E-01	0.000	1.01	0.89	1.14	9.29E-01	6.16E-01	0.000
rs10779958	0.99	0.90	1.08	8.11E-01	5.53E-01	0.000	0.99	0.90	1.08	8.11E-01	5.53E-01	0.000	0.95	0.82	1.10	4.74E-01	4.57E-01	0.000
rs6754683	0.93	0.87	0.99	2.54E-02	5.12E-01	0.000	0.93	0.87	0.99	2.54E-02	5.12E-01	0.000	0.89	0.80	0.99	2.70E-02	5.33E-01	0.000
rs4622728	0.97	0.91	1.03	3.14E-01	5.98E-01	0.000	0.97	0.91	1.03	3.14E-01	5.98E-01	0.000	1.00	0.90	1.10	9.42E-01	5.30E-01	0.000
rs1432237	1.00	0.92	1.08	9.82E-01	4.25E-01	0.000	1.00	0.92	1.08	9.82E-01	4.25E-01	0.000	1.09	0.95	1.24	2.10E-01	7.52E-01	0.000
rs12618428	0.87	0.78	0.96	5.44E-03	1.64E-02	0.708	0.94	0.76	1.16	5.69E-01	1.64E-02	0.708	1.05	0.90	1.22	5.59E-01	9.98E-01	0.000
rs6716254	0.89	0.83	0.96	2.43E-03	9.19E-01	0.000	0.89	0.83	0.96	2.43E-03	9.19E-01	0.000	0.93	0.83	1.05	2.25E-01	9.69E-01	0.000
rs6793234	1.24	1.12	1.37	2.10E-05	4.90E-01	0.000	1.24	1.12	1.37	2.10E-05	4.90E-01	0.000	1.13	0.96	1.33	1.40E-01	7.34E-01	0.000
rs11177	1.12	1.06	1.19	1.63E-04	6.83E-01	0.000	1.12	1.06	1.19	1.63E-04	6.83E-01	0.000	1.11	1.02	1.21	1.50E-02	5.59E-01	0.000
rs6976	1.12	1.06	1.19	1.52E-04	6.84E-01	0.000	1.12	1.06	1.19	1.52E-04	6.84E-01	0.000	1.12	1.03	1.22	1.09E-02	5.47E-01	0.000
rs10510816	1.05	0.98	1.12	1.66E-01	9.56E-01	0.000	1.05	0.98	1.12	1.66E-01	9.56E-01	0.000	1.04	0.93	1.15	5.08E-01	8.79E-01	0.000
rs1355782	0.87	0.82	0.93	9.45E-05	3.27E-01	0.137	0.88	0.81	0.95	1.44E-03	3.27E-01	0.137	0.91	0.82	1.01	8.24E-02	3.03E-01	0.176
rs16851066	1.08	0.95	1.23	2.58E-01	5.15E-01	0.000	1.08	0.95	1.23	2.58E-01	5.15E-01	0.000	1.17	0.96	1.43	1.13E-01	5.94E-01	0.000
rs12107036	0.98	0.93	1.04	5.75E-01	1.29E-01	0.414	1.00	0.91	1.09	9.39E-01	1.29E-01	0.414	1.00	0.92	1.08	9.21E-01	7.96E-02	0.521
rs16837352	1.04	0.97	1.12	2.84E-01	1.04E-02	0.734	1.06	0.90	1.25	4.84E-01	1.04E-02	0.734	1.01	0.91	1.11	9.04E-01	6.26E-03	0.803
rs17578878	0.93	0.84	1.03	1.60E-01	1.74E-01	0.371	0.95	0.81	1.11	5.07E-01	1.74E-01	0.371	1.02	0.87	1.20	8.16E-01	2.52E-01	0.266
rs11725992	0.90	0.79	1.02	9.83E-02	3.74E-02	0.607	0.93	0.73	1.20	5.92E-01	3.74E-02	0.607	0.89	0.73	1.09	2.76E-01	1.71E-02	0.705
rs12500935	1.11	1.00	1.24	4.89E-02	4.09E-01	0.000	1.11	1.00	1.24	4.89E-02	4.09E-01	0.000	1.03	0.87	1.22	7.38E-01	4.73E-01	0.000
rs1566347	0.90	0.84	0.97	4.22E-03	1.25E-01	0.445	0.92	0.83	1.03	1.67E-01	1.25E-01	0.445	0.98	0.88	1.09	7.41E-01	3.76E-01	0.034
rs4957048	0.83	0.77	0.90	1.29E-06	1.29E-01	0.414	0.85	0.77	0.95	4.62E-03	1.29E-01	0.414	0.89	0.80	0.98	2.26E-02	2.53E-01	0.253
rs2610424	1.06	0.99	1.13	8.17E-02	2.30E-01	0.287	1.04	0.95	1.14	4.06E-01	2.30E-01	0.287	1.00	0.90	1.10	9.30E-01	3.46E-01	0.094
rs457008	0.91	0.85	0.97	4.81E-03	2.07E-01	0.322	0.94	0.85	1.03	1.67E-01	2.07E-01	0.322	0.99	0.90	1.10	8.65E-01	7.10E-01	0.000
rs10036746	1.04	0.93	1.17	4.74E-01	1.30E-01	0.469	1.04	0.87	1.24	6.86E-01	1.30E-01	0.469	1.09	0.91	1.29	3.53E-01	7.13E-02	0.621
rs10515550	0.90	0.84	0.96	1.09E-03	9.21E-02	0.534	0.93	0.83	1.04	1.75E-01	9.21E-02	0.534	0.99	0.89	1.10	8.43E-01	7.68E-01	0.000
rs13167773	0.96	0.88	1.05	3.99E-01	7.18E-01	0.000	0.96	0.88	1.05	3.99E-01	7.18E-01	0.000	0.99	0.87	1.12	8.71E-01	6.11E-01	0.000
rs10051783	0.97	0.89	1.07	5.41E-01	1.42E-01	0.418	0.98	0.85	1.14	8.23E-01	1.42E-01	0.418	1.00	0.87	1.15	9.80E-01	8.71E-02	0.543
rs10948172	1.14	1.06	1.21	1.10E-04	3.92E-01	0.026	1.13	1.06	1.21	1.99E-04	3.92E-01	0.026	1.07	0.97	1.17	1.68E-01	8.50E-01	0.000
rs9350591	1.02	0.93	1.12	7.29E-01	5.69E-01	0.000	1.02	0.93	1.12	7.29E-01	5.69E-01	0.000	1.02	0.89	1.16	7.88E-01	4.25E-01	0.000
rs10943837	0.97	0.91	1.04	4.45E-01	2.87E-01	0.201	0.97	0.89	1.05	4.35E-01	2.87E-01	0.201	0.93	0.83	1.03	1.61E-01	3.08E-01	0.167
rs2493984	1.06	0.99	1.12	9.95E-02	7.53E-01	0.000	1.06	0.99	1.12	9.95E-02	7.53E-01	0.000	1.05	0.96	1.15	2.97E-01	6.22E-01	0.000
rs7755798	1.15	1.06	1.25	1.34E-03	3.73E-01	0.059	1.14	1.04	1.25	4.41E-03	3.73E-01	0.059	1.06	0.93	1.21	3.64E-01	5.51E-01	0.000
rs2027532	1.16	1.08	1.26	8.41E-05	2.85E-01	0.203	1.15	1.04	1.26	5.67E-03	2.85E-01	0.203	1.07	0.95	1.20	2.82E-01	6.20E-01	0.000
rs6931833	1.06	0.98	1.14	1.41E-01	3.13E-01	0.158	1.06	0.97	1.16	1.63E-01	3.13E-01	0.158	1.11	0.99	1.25	8.11E-02	2.94E-01	0.184
rs17627827	0.96	0.84	1.11	6.09E-01	6.72E-01	0.000	0.96	0.84	1.11	6.09E-01	6.72E-01	0.000	1.05	0.81	1.34	7.28E-01	6.55E-01	0.000
rs6461679	0.98	0.91	1.04	4.66E-01	9.63E-01	0.000	0.98	0.91	1.04	4.66E-01	9.63E-01	0.000	1.00	0.89	1.11	9.54E-01	9.53E-01	0.000
rs7785659	1.19	1.09	1.29	4.37E-05	1.30E-01	0.413	1.14	1.01	1.30	3.62E-02	1.30E-01	0.413	1.07	0.95	1.20	2.79E-01	5.96E-01	0.000
rs7805536	1.18	1.09	1.28	3.13E-05	6.91E-02	0.540	1.14	1.00	1.30	4.29E-02	6.91E-02	0.540	1.08	0.96	1.21	2.03E-01	2.93E-01	0.195
rs1859572	1.04	0.96	1.13	2.88E-01	2.69E-01	0.229	1.04	0.94	1.15	4.33E-01	2.69E-01	0.229	1.05	0.93	1.19	4.27E-01	1.60E-01	0.419
rs6466265	1.00	0.93	1.08	9.94E-01	9.29E-03	0.703	0.98	0.84	1.14	7.97E-01	9.29E-03	0.703	0.91	0.82	1.02	9.79E-02	4.46E-02	0.628
rs2966417	0.97	0.90	1.05	5.09E-01	5.94E-01	0.000	0.97	0.90	1.05	5.09E-01	5.94E-01	0.000	0.91	0.80	1.03	1.39E-01	8.17E-01	0.000
rs4841020	0.98	0.90	1.07	7.23E-01	2.07E-01	0.321	1.00	0.88	1.13	9.88E-01	2.07E-01	0.321	1.01	0.88	1.15	9.21E-01	1.27E-01	0.474
rs1876836	1.02	0.95	1.09	5.83E-01	1.96E-01	0.320	1.04	0.95	1.14	4.32E-01	1.96E-01	0.320	1.07	0.98	1.18	1.46E-01	2.88E-01	0.198
rs4841067	1.05	0.96	1.14	3.36E-01	9.05E-01	0.000	1.05	0.96	1.14	3.36E-01	9.05E-01	0.000	1.09	0.95	1.25	2.07E-01	9.54E-01	0.000
rs609792	0.96	0.89	1.04	3.18E-01	8.25E-01	0.000	0.96	0.89	1.04	3.18E-01	8.25E-01	0.000	0.92	0.81	1.04	1.97E-01	9.20E-01	0.000
rs6997710	1.02	0.91	1.14	7.34E-01	5.06E-01	0.000	1.02	0.91	1.14	7.34E-01	5.06E-01	0.000	1.04	0.86	1.26	6.49E-01	3.58E-01	0.069
rs1421259	1.01	0.94	1.08	7.90E-01	2.42E-01	0.283	1.00	0.92	1.10	9.74E-01	2.42E-01	0.283	0.98	0.88	1.09	6.75E-01	1.64E-01	0.446
rs2289496	0.98	0.92	1.05	6.58E-01	5.24E-01	0.000	0.98	0.92	1.05	6.58E-01	5.24E-01	0.000	1.05	0.94	1.17	3.76E-01	8.14E-01	0.000
rs16870112	1.02	0.91	1.15	7.01E-01	2.11E-01	0.316	0.99	0.84	1.17	9.26E-01	2.11E-01	0.316	0.92	0.77	1.11	3.81E-01	2.87E-01	0.205
rs4072286	1.05	0.98	1.12	1.65E-01	5.84E-01	0.000	1.05	0.98	1.12	1.65E-01	5.84E-01	0.000	1.02	0.92	1.13	7.27E-01	4.93E-01	0.000
rs2146423	0.96	0.90	1.02	1.90E-01	8.50E-01	0.000	0.96	0.90	1.02	1.90E-01	8.50E-01	0.000	0.99	0.89	1.09	7.90E-01	8.98E-01	0.000
rs945442	1.01	0.93	1.09	8.60E-01	7.28E-01	0.000	1.01	0.93	1.09	8.60E-01	7.28E-01	0.000	1.02	0.91	1.15	7.26E-01	5.84E-01	0.000
rs3780296	1.10	1.03	1.17	4.86E-03	3.86E-02	0.604	1.07	0.94	1.21	3.26E-01	3.86E-02	0.604	1.01	0.91	1.12	8.88E-01	1.40E-01	0.452
rs4836732	0.96	0.91	1.02	1.99E-01	6.16E-01	0.000	0.96	0.91	1.02	1.99E-01	6.16E-01	0.000	0.96	0.88	1.04	3.27E-01	4.72E-01	0.000
rs2900277	0.89	0.83	0.96	1.21E-03	5.39E-01	0.000	0.89	0.83	0.96	1.21E-03	5.39E-01	0.000	0.90	0.82	0.99	3.47E-02	4.07E-01	0.000
rs9299558	0.93	0.87	1.00	4.09E-02	1.04E-02	0.734	0.99	0.85	1.15	9.12E-01	1.04E-02	0.734	1.07	0.96	1.19	2.13E-01	6.70E-01	0.000
rs787640	0.96	0.89	1.03	2.56E-01	5.37E-01	0.000	0.96	0.89	1.03	2.56E-01	5.37E-01	0.000	0.95	0.84	1.07	4.31E-01	3.39E-01	0.076
rs11188412	0.90	0.79	1.01	8.22E-02	1.22E-01	0.424	0.94	0.78	1.12	4.78E-01	1.22E-01	0.424	1.05	0.88	1.23	6.02E-01	7.76E-01	0.000
rs4757420	0.91	0.84	1.00	5.02E-02	5.13E-01	0.000	0.91	0.84	1.00	5.02E-02	5.13E-01	0.000	0.88	0.76	1.02	8.38E-02	4.17E-01	0.000
rs7119797	0.99	0.93	1.06	7.41E-01	6.51E-01	0.000	0.99	0.93	1.06	7.41E-01	6.51E-01	0.000	0.99	0.89	1.10	8.50E-01	4.41E-01	0.000
rs17159801	1.07	0.97	1.18	1.88E-01	4.57E-01	0.000	1.07	0.97	1.18	1.88E-01	4.57E-01	0.000	1.16	1.00	1.36	5.73E-02	7.03E-01	0.000
rs2691829	1.05	0.98	1.12	1.45E-01	6.84E-02	0.578	1.01	0.89	1.14	8.67E-01	6.84E-02	0.578	0.95	0.85	1.06	3.68E-01	4.01E-01	0.000
rs6589848	1.01	0.93	1.09	8.91E-01	7.72E-01	0.000	1.01	0.93	1.09	8.91E-01	7.72E-01	0.000	0.96	0.84	1.11	6.05E-01	7.60E-01	0.000
rs7941193	0.98	0.90	1.05	5.20E-01	3.87E-02	0.574	0.99	0.86	1.14	8.92E-01	3.87E-02	0.574	1.01	0.91	1.13	8.33E-01	2.88E-02	0.630
rs7122854	1.07	0.98	1.17	1.08E-01	7.71E-02	0.562	1.01	0.87	1.19	8.56E-01	7.71E-02	0.562	0.94	0.82	1.09	4.17E-01	4.00E-01	0.000
rs7305794	1.01	0.94	1.08	8.34E-01	8.63E-01	0.000	1.01	0.94	1.08	8.34E-01	8.63E-01	0.000	0.99	0.88	1.11	8.11E-01	7.71E-01	0.000
rs10492367	1.03	0.96	1.11	4.40E-01	1.77E-01	0.346	1.01	0.91	1.12	8.99E-01	1.77E-01	0.346	0.96	0.86	1.06	4.19E-01	4.12E-01	0.000
rs6487684	1.04	0.96	1.12	3.49E-01	7.58E-02	0.528	1.05	0.91	1.20	5.07E-01	7.58E-02	0.528	1.08	0.95	1.21	2.36E-01	4.84E-02	0.620
rs1034762	1.18	1.08	1.29	2.95E-04	5.12E-01	0.000	1.18	1.08	1.29	2.95E-04	5.12E-01	0.000	1.08	0.94	1.25	2.76E-01	7.74E-01	0.000
rs1404866	1.09	1.01	1.18	2.61E-02	2.88E-01	0.203	1.08	0.98	1.19	1.26E-01	2.88E-01	0.203	1.01	0.89	1.14	9.10E-01	5.10E-01	0.000
rs835487	1.00	0.94	1.06	9.43E-01	5.87E-02	0.531	0.99	0.89	1.10	8.34E-01	5.87E-02	0.531	1.00	0.91	1.09	9.19E-01	3.08E-02	0.624
rs11064722	1.08	1.00	1.16	5.74E-02	3.17E-01	0.152	1.07	0.97	1.17	1.76E-01	3.17E-01	0.152	1.02	0.90	1.14	8.04E-01	3.95E-01	0.000
rs9520058	0.97	0.91	1.04	3.94E-01	7.17E-01	0.000	0.97	0.91	1.04	3.94E-01	7.17E-01	0.000	1.00	0.90	1.12	9.31E-01	7.00E-01	0.000
rs7155791	1.08	0.98	1.19	1.22E-01	2.57E-02	0.639	0.99	0.81	1.21	8.91E-01	2.57E-02	0.639	0.93	0.80	1.08	3.55E-01	1.50E-01	0.436
rs11634255	1.15	1.08	1.22	3.04E-05	2.48E-01	0.272	1.13	1.04	1.23	5.16E-03	2.48E-01	0.272	1.06	0.96	1.17	2.61E-01	8.69E-01	0.000
rs4646626	1.13	1.06	1.21	1.57E-04	7.78E-02	0.524	1.10	0.98	1.24	9.84E-02	7.78E-02	0.524	1.09	0.99	1.21	9.09E-02	5.57E-02	0.604
rs8032755	0.96	0.91	1.02	2.12E-01	6.44E-02	0.549	1.00	0.90	1.10	9.31E-01	6.44E-02	0.549	1.04	0.96	1.13	3.33E-01	7.03E-01	0.000
rs2908646	1.11	1.04	1.19	1.22E-03	1.88E-02	0.699	1.06	0.92	1.22	4.48E-01	1.88E-02	0.699	0.98	0.88	1.09	6.89E-01	7.80E-01	0.000
rs12596722	1.08	1.01	1.16	2.05E-02	2.45E-02	0.681	1.03	0.89	1.19	6.56E-01	2.45E-02	0.681	0.98	0.88	1.09	6.82E-01	1.54E-01	0.465
rs12923310	0.91	0.85	0.97	5.52E-03	4.21E-02	0.634	0.95	0.83	1.09	4.82E-01	4.21E-02	0.634	1.03	0.92	1.14	6.49E-01	9.31E-01	0.000
rs8044769	0.98	0.92	1.03	4.08E-01	8.19E-01	0.000	0.98	0.92	1.03	4.08E-01	8.19E-01	0.000	0.98	0.90	1.06	5.93E-01	6.98E-01	0.000
rs9937815	0.96	0.89	1.03	2.13E-01	9.71E-01	0.000	0.96	0.89	1.03	2.13E-01	9.71E-01	0.000	0.95	0.85	1.06	3.30E-01	9.10E-01	0.000
rs7404629	1.01	0.93	1.09	8.98E-01	1.49E-01	0.409	1.00	0.88	1.14	9.54E-01	1.49E-01	0.409	0.98	0.86	1.12	7.95E-01	8.64E-02	0.544
rs4078062	0.99	0.89	1.09	7.93E-01	8.78E-01	0.000	0.99	0.89	1.09	7.93E-01	8.78E-01	0.000	0.93	0.79	1.09	3.72E-01	9.53E-01	0.000
rs8080960	1.04	0.97	1.11	2.78E-01	7.04E-01	0.000	1.04	0.97	1.11	2.78E-01	7.04E-01	0.000	1.08	0.98	1.20	1.19E-01	8.24E-01	0.000
rs11665347	0.91	0.84	0.98	9.75E-03	2.26E-01	0.311	0.92	0.83	1.01	9.27E-02	2.26E-01	0.311	0.95	0.85	1.07	4.11E-01	1.81E-01	0.415
rs17089382	1.05	0.95	1.16	3.67E-01	3.32E-01	0.121	1.04	0.93	1.17	5.12E-01	3.32E-01	0.121	0.96	0.82	1.12	5.86E-01	5.45E-01	0.000
rs12974139	0.98	0.92	1.04	5.15E-01	2.30E-01	0.287	0.99	0.91	1.07	7.25E-01	2.30E-01	0.287	1.00	0.91	1.08	9.21E-01	1.48E-01	0.439
rs10426443	1.08	0.99	1.17	7.26E-02	8.10E-01	0.000	1.08	0.99	1.17	7.26E-02	8.10E-01	0.000	1.13	1.00	1.29	5.87E-02	8.83E-01	0.000
rs10426377	1.01	0.94	1.07	8.56E-01	6.43E-01	0.000	1.01	0.94	1.07	8.56E-01	6.43E-01	0.000	1.04	0.95	1.13	3.90E-01	7.77E-01	0.000
rs1360400	0.97	0.91	1.04	4.39E-01	4.32E-01	0.000	0.97	0.91	1.04	4.39E-01	4.32E-01	0.000	0.95	0.86	1.06	3.65E-01	3.17E-01	0.149
rs17785895	0.90	0.81	1.00	4.73E-02	2.79E-01	0.213	0.91	0.80	1.05	1.97E-01	2.79E-01	0.213	0.99	0.84	1.17	9.21E-01	4.22E-01	0.000
rs4925370	1.11	1.05	1.18	3.56E-04	2.48E-01	0.260	1.10	1.02	1.19	1.19E-02	2.48E-01	0.260	1.05	0.96	1.14	2.74E-01	7.33E-01	0.000
rs3747081	1.05	0.95	1.16	3.63E-01	7.37E-01	0.000	1.05	0.95	1.16	3.63E-01	7.37E-01	0.000	1.12	0.96	1.30	1.54E-01	8.53E-01	0.000
rs7287616	0.95	0.88	1.03	2.01E-01	9.72E-01	0.000	0.95	0.88	1.03	2.01E-01	9.72E-01	0.000	0.96	0.85	1.08	5.18E-01	9.25E-01	0.000
rs5762347	1.06	0.99	1.13	8.74E-02	1.37E-01	0.426	1.06	0.96	1.17	2.32E-01	1.37E-01	0.426	1.04	0.94	1.14	4.66E-01	8.66E-02	0.544

Meta insilico_denovo_random						Meta TKR_arcOGEN_insilico_denovo_fixed						Meta TKR_arcOGEN_insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.00	0.82	1.21	9.66E-01	1.13E-01	0.498	0.92	0.83	1.02	1.15E-01	1.99E-02	0.816	0.96	0.74	1.25	7.74E-01	1.99E-02	0.816
1.00	0.92	1.08	9.30E-01	5.29E-01	0.000	1.03	0.95	1.11	4.92E-01	8.59E-01	0.000	1.03	0.95	1.11	4.92E-01	8.59E-01	0.000
0.93	0.77	1.12	4.46E-01	3.99E-01	0.000	1.19	1.03	1.38	2.02E-02	1.84E-01	0.432	1.16	0.93	1.45	1.99E-01	1.84E-01	0.432
1.02	0.91	1.14	7.72E-01	7.48E-01	0.000	1.02	0.93	1.12	6.88E-01	5.46E-01	0.000	1.02	0.93	1.12	6.88E-01	5.46E-01	0.000
0.96	0.78	1.17	6.74E-01	4.81E-01	0.000	1.03	0.88	1.21	7.00E-01	8.51E-01	0.000	1.03	0.88	1.21	7.00E-01	8.51E-01	0.000
1.01	0.89	1.14	9.29E-01	6.16E-01	0.000	0.96	0.87	1.06	4.20E-01	1.62E-01	0.488	0.98	0.83	1.16	8.18E-01	1.62E-01	0.488
0.95	0.82	1.10	4.74E-01	4.57E-01	0.000	1.04	0.93	1.17	5.08E-01	5.23E-01	0.000	1.04	0.93	1.17	5.08E-01	5.23E-01	0.000
0.89	0.80	0.99	2.70E-02	5.33E-01	0.000	0.95	0.87	1.03	2.22E-01	6.10E-01	0.000	0.95	0.87	1.03	2.22E-01	6.10E-01	0.000
1.00	0.90	1.10	9.42E-01	5.30E-01	0.000	0.94	0.87	1.03	1.89E-01	3.29E-01	0.000	0.94	0.87	1.03	1.89E-01	3.29E-01	0.000
1.09	0.95	1.24	2.10E-01	7.52E-01	0.000	1.00	0.90	1.11	9.38E-01	1.10E-01	0.609	1.03	0.85	1.24	7.92E-01	1.10E-01	0.609
1.05	0.90	1.22	5.59E-01	9.98E-01	0.000	0.83	0.72	0.94	4.68E-03	3.51E-02	0.775	0.87	0.64	1.19	3.93E-01	3.51E-02	0.775
0.93	0.83	1.05	2.25E-01	9.69E-01	0.000	0.89	0.81	0.98	1.31E-02	3.48E-01	0.000	0.89	0.81	0.98	1.31E-02	3.48E-01	0.000
1.13	0.96	1.33	1.40E-01	7.34E-01	0.000	1.23	1.08	1.40	1.71E-03	6.83E-01	0.000	1.23	1.08	1.40	1.71E-03	6.83E-01	0.000
1.11	1.02	1.21	1.50E-02	5.59E-01	0.000	1.11	1.03	1.20	5.21E-03	4.02E-01	0.000	1.11	1.03	1.20	5.21E-03	4.02E-01	0.000
1.12	1.03	1.22	1.09E-02	5.47E-01	0.000	1.12	1.04	1.21	3.90E-03	4.23E-01	0.000	1.12	1.04	1.21	3.90E-03	4.23E-01	0.000
1.04	0.93	1.15	5.08E-01	8.79E-01	0.000	1.03	0.94	1.12	5.37E-01	9.08E-01	0.000	1.03	0.94	1.12	5.37E-01	9.08E-01	0.000
0.91	0.80	1.02	1.16E-01	3.03E-01	0.176	0.89	0.82	0.98	1.19E-02	6.96E-02	0.696	0.92	0.77	1.10	3.69E-01	6.96E-02	0.696
1.17	0.96	1.43	1.13E-01	5.94E-01	0.000	1.04	0.87	1.23	6.89E-01	5.21E-01	0.000	1.04	0.87	1.23	6.89E-01	5.21E-01	0.000
1.02	0.90	1.16	7.50E-01	7.96E-02	0.521	1.01	0.94	1.09	8.01E-01	5.26E-01	0.000	1.01	0.94	1.09	8.01E-01	5.26E-01	0.000
1.05	0.80	1.37	7.32E-01	6.26E-03	0.803	1.00	0.91	1.09	9.39E-01	3.77E-02	0.768	1.00	0.83	1.21	9.77E-01	3.77E-02	0.768
1.01	0.82	1.24	9.50E-01	2.52E-01	0.266	0.93	0.81	1.06	2.86E-01	2.58E-01	0.218	0.94	0.80	1.10	4.27E-01	2.58E-01	0.218
0.98	0.65	1.48	9.20E-01	1.71E-02	0.705	0.88	0.75	1.04	1.30E-01	9.04E-01	0.000	0.88	0.75	1.04	1.30E-01	9.04E-01	0.000
1.03	0.87	1.22	7.38E-01	4.73E-01	0.000	1.09	0.95	1.25	2.02E-01	7.84E-01	0.000	1.09	0.95	1.25	2.02E-01	7.84E-01	0.000
0.98	0.88	1.09	7.34E-01	3.76E-01	0.034	0.91	0.83	1.00	3.87E-02	1.36E-02	0.836	0.95	0.74	1.22	7.12E-01	1.36E-02	0.836
0.89	0.79	1.01	6.49E-02	2.53E-01	0.253	0.83	0.76	0.92	1.48E-04	1.28E-01	0.514	0.86	0.74	0.99	3.15E-02	1.28E-01	0.514
0.99	0.89	1.11	9.12E-01	3.46E-01	0.094	1.08	0.99	1.18	7.75E-02	9.13E-01	0.000	1.08	0.99	1.18	7.75E-02	9.13E-01	0.000
0.99	0.90	1.10	8.65E-01	7.10E-01	0.000	0.88	0.81	0.96	3.93E-03	2.70E-01	0.178	0.89	0.80	0.98	1.67E-02	2.70E-01	0.178
1.04	0.77	1.40	8.19E-01	7.13E-02	0.621	1.03	0.89	1.19	7.35E-01	1.50E-01	0.518	0.99	0.78	1.26	9.32E-01	1.50E-01	0.518
0.99	0.89	1.10	8.43E-01	7.68E-01	0.000	0.85	0.78	0.93	2.89E-04	2.08E-02	0.813	0.89	0.71	1.12	3.26E-01	2.08E-02	0.813
0.99	0.87	1.12	8.71E-01	6.11E-01	0.000	0.96	0.86	1.07	4.28E-01	9.43E-01	0.000	0.96	0.86	1.07	4.28E-01	9.43E-01	0.000
1.01	0.80	1.28	9.37E-01	8.71E-02	0.543	1.03	0.91	1.16	6.73E-01	1.49E-01	0.520	1.05	0.87	1.27	6.08E-01	1.49E-01	0.520
1.07	0.97	1.17	1.68E-01	8.50E-01	0.000	1.17	1.08	1.27	8.78E-05	8.14E-01	0.000	1.17	1.08	1.27	8.78E-05	8.14E-01	0.000
1.02	0.89	1.16	7.88E-01	4.25E-01	0.000	0.96	0.85	1.08	4.94E-01	1.58E-01	0.457	0.95	0.79	1.13	5.47E-01	1.58E-01	0.457
0.93	0.82	1.05	2.61E-01	3.08E-01	0.167	0.92	0.84	1.01	8.28E-02	1.58E-01	0.499	0.91	0.79	1.05	1.75E-01	1.58E-01	0.499
1.05	0.96	1.15	2.97E-01	6.22E-01	0.000	1.04	0.96	1.13	3.17E-01	4.50E-01	0.000	1.04	0.96	1.13	3.17E-01	4.50E-01	0.000
1.06	0.93	1.21	3.64E-01	5.51E-01	0.000	1.22	1.10	1.37	3.10E-04	8.93E-01	0.000	1.22	1.10	1.37	3.10E-04	8.93E-01	0.000
1.07	0.95	1.20	2.82E-01	6.20E-01	0.000	1.21	1.10	1.34	1.02E-04	1.27E-01	0.569	1.18	1.00	1.40	5.15E-02	1.27E-01	0.569
1.11	0.97	1.27	1.26E-01	2.94E-01	0.184	1.06	0.96	1.16	2.46E-01	4.72E-02	0.746	1.10	0.89	1.36	3.88E-01	4.72E-02	0.746
1.05	0.81	1.34	7.28E-01	6.55E-01	0.000	0.93	0.76	1.13	4.67E-01	1.00E+00	na	0.93	0.76	1.13	4.67E-01	1.00E+00	na
1.00	0.89	1.11	9.54E-01	9.53E-01	0.000	0.96	0.88	1.05	3.93E-01	9.41E-01	0.000	0.96	0.88	1.05	3.93E-01	9.41E-01	0.000
1.07	0.95	1.20	2.79E-01	5.96E-01	0.000	1.18	1.06	1.31	2.17E-03	1.86E-01	0.406	1.15	0.98	1.34	8.15E-02	1.86E-01	0.406
1.08	0.95	1.23	2.39E-01	2.93E-01	0.195	1.16	1.05	1.29	3.21E-03	1.59E-01	0.457	1.13	0.97	1.31	1.21E-01	1.59E-01	0.457
1.03	0.86	1.23	7.45E-01	1.60E-01	0.419	1.04	0.94	1.15	4.86E-01	6.52E-02	0.706	1.08	0.87	1.33	5.00E-01	6.52E-02	0.706
0.94	0.79	1.13	5.28E-01	4.46E-02	0.628	1.00	0.91	1.10	9.99E-01	2.31E-02	0.735	0.95	0.78	1.17	6.42E-01	2.31E-02	0.735
0.91	0.80	1.03	1.39E-01	8.17E-01	0.000	0.99	0.89	1.09	7.91E-01	2.34E-01	0.295	0.98	0.85	1.11	7.08E-01	2.34E-01	0.295
1.05	0.86	1.29	6.38E-01	1.27E-01	0.474	0.95	0.84	1.06	3.33E-01	4.61E-01	0.000	0.95	0.84	1.06	3.33E-01	4.61E-01	0.000
1.08	0.96	1.20	1.87E-01	2.88E-01	0.198	0.96	0.88	1.04	3.17E-01	7.95E-01	0.000	0.96	0.88	1.04	3.17E-01	7.95E-01	0.000
1.09	0.95	1.25	2.07E-01	9.54E-01	0.000	1.02	0.91	1.15	6.97E-01	7.32E-01	0.000	1.02	0.91	1.15	6.97E-01	7.32E-01	0.000
0.92	0.81	1.04	1.97E-01	9.20E-01	0.000	0.97	0.88	1.07	5.75E-01	7.76E-01	0.000	0.97	0.88	1.07	5.75E-01	7.76E-01	0.000
1.04	0.85	1.27	6.83E-01	3.58E-01	0.069	1.01	0.88	1.17	8.49E-01	1.36E-01	0.550	1.05	0.82	1.33	7.08E-01	1.36E-01	0.550
0.98	0.84	1.13	7.45E-01	1.64E-01	0.446	1.01	0.92	1.10	9.02E-01	4.07E-02	0.761	0.97	0.79	1.19	7.48E-01	4.07E-02	0.761
1.05	0.94	1.17	3.76E-01	8.14E-01	0.000	0.96	0.88	1.05	3.37E-01	7.84E-01	0.000	0.96	0.88	1.05	3.37E-01	7.84E-01	0.000
0.92	0.74	1.15	4.60E-01	2.87E-01	0.205	1.10	0.95	1.28	2.04E-01	2.57E-01	0.222	1.09	0.91	1.30	3.53E-01	2.57E-01	0.222
1.02	0.92	1.13	7.27E-01	4.93E-01	0.000	1.10	1.01	1.19	3.47E-02	7.06E-01	0.000	1.10	1.01	1.19	3.47E-02	7.06E-01	0.000
0.99	0.89	1.09	7.90E-01	8.98E-01	0.000	0.95	0.88	1.04	2.65E-01	9.12E-01	0.000	0.95	0.88	1.04	2.65E-01	9.12E-01	0.000
1.02	0.91	1.15	7.26E-01	5.84E-01	0.000	0.97	0.88	1.08	5.97E-01	9.58E-01	0.000	0.97	0.88	1.08	5.97E-01	9.58E-01	0.000
1.02	0.88	1.19	7.87E-01	1.40E-01	0.452	1.11	1.02	1.21	2.01E-02	9.55E-04	0.908	1.02	0.74	1.42	8.90E-01	9.55E-04	0.908
0.96	0.88	1.04	3.27E-01	4.72E-01	0.000	0.97	0.90	1.04	3.55E-01	8.28E-01	0.000	0.97	0.90	1.04	3.55E-01	8.28E-01	0.000
0.90	0.82	0.99	3.47E-02	4.07E-01	0.000	0.89	0.82	0.97	1.10E-02	1.17E-01	0.533	0.91	0.79	1.04	1.59E-01	1.17E-01	0.533
1.07	0.96	1.19	2.13E-01	6.70E-01	0.000	0.87	0.80	0.95	1.98E-03	5.21E-04	0.917	0.95	0.67	1.33	7.51E-01	5.21E-04	0.917
0.95	0.84	1.08	4.33E-01	3.39E-01	0.076	0.95	0.86	1.04	2.89E-01	5.41E-01	0.000	0.95	0.86	1.04	2.89E-01	5.41E-01	0.000
1.05	0.88	1.23	6.02E-01	7.76E-01	0.000	0.96	0.83	1.12	6.34E-01	5.58E-03	0.807	1.02	0.71	1.47	9.20E-01	5.58E-03	0.807
0.88	0.76	1.02	8.38E-02	4.17E-01	0.000	0.95	0.84	1.06	3.40E-01	5.20E-01	0.000	0.95	0.84	1.06	3.40E-01	5.20E-01	0.000
0.99	0.89	1.10	8.50E-01	4.41E-01	0.000	0.97	0.89	1.05	4.61E-01	7.20E-01	0.000	0.97	0.89	1.05	4.61E-01	7.20E-01	0.000
1.16	1.00	1.36	5.73E-02	7.03E-01	0.000	1.05	0.93	1.19	4.44E-01	7.30E-01	0.000	1.05	0.93	1.19	4.44E-01	7.30E-01	0.000
0.95	0.85	1.06	3.68E-01	4.01E-01	0.000	1.10	1.01	1.20	3.35E-02	5.36E-01	0.000	1.10	1.01	1.20	3.35E-02	5.36E-01	0.000
0.96	0.84	1.11	6.05E-01	7.60E-01	0.000	0.99	0.89	1.10	8.15E-01	7.78E-01	0.000	0.99	0.89	1.10	8.15E-01	7.78E-01	0.000
1.01	0.83	1.23	9.07E-01	2.88E-02	0.630	0.95	0.86	1.05	2.97E-01	1.40E-01	0.492	0.97	0.84	1.11	6.34E-01	1.40E-01	0.492
0.94	0.82	1.09	4.17E-01	4.00E-01	0.000	1.07	0.96	1.20	2.34E-01	1.96E-02	0.817	0.99	0.72	1.36	9.56E-01	1.96E-02	0.817
0.99	0.88	1.11	8.11E-01	7.71E-01	0.000	0.98	0.90	1.08	7.51E-01	5.83E-01	0.000	0.98	0.90	1.08	7.51E-01	5.83E-01	0.000
0.96	0.86	1.06	4.19E-01	4.12E-01	0.000	0.99	0.90	1.09	8.51E-01	6.63E-02	0.631	0.95	0.80	1.13	5.55E-01	6.63E-02	0.631
1.06	0.85	1.31	6.23E-01	4.84E-02	0.620	1.04	0.94	1.16	4.09E-01	1.65E-02	0.826	1.10	0.84	1.45	4.91E-01	1.65E-02	0.826
1.08	0.94	1.25	2.76E-01	7.74E-01	0.000	1.26	1.12	1.41	9.76E-05	1.11E-01	0.607	1.21	0.97	1.51	9.65E-02	1.11E-01	0.607
1.01	0.89	1.14	9.10E-01	5.10E-01	0.000	1.11	1.00	1.22	5.06E-02	2.27E-01	0.316	1.09	0.95	1.25	2.27E-01	2.27E-01	0.316
0.98	0.83	1.14	7.65E-01	3.08E-02	0.624	1.00	0.93	1.08	9.48E-01	1.06E-01	0.554	1.01	0.89	1.15	8.22E-01	1.06E-01	0.554
1.02	0.90	1.14	8.04E-01	3.95E-01	0.000	1.11	1.01	1.23	3.12E-02	9.30E-02	0.646	1.09	0.91	1.30	3.52E-01	9.30E-02	0.646
1.00	0.90	1.12	9.31E-01	7.00E-01	0.000	0.93	0.85	1.02	1.24E-01	1.22E-01	0.582	0.95	0.82	1.11	5.44E-01	1.22E-01	0.582
0.91	0.72	1.14	4.10E-01	1.50E-01	0.436	1.16	1.02	1.30	1.84E-02	3.31E-04	0.922	1.01	0.60	1.70	9.63E-01	3.31E-04	0.922
1.06	0.96	1.17	2.61E-01	8.69E-01	0.000	1.20	1.10	1.30	2.22E-05	1.95E-01	0.405	1.18	1.05	1.33	4.40E-03	1.95E-01	0.405
1.06	0.88	1.27	5.25E-01	5.57E-02	0.604	1.19	1.09	1.29	6.55E-05	3.55E-01	0.000	1.19	1.09	1.29	6.55E-05	3.55E-01	0.000
1.04	0.96	1.13	3.33E-01	7.03E-01	0.000	0.89	0.83	0.96	2.06E-03	8.14E-02	0.601	0.91	0.80	1.02	1.10E-01	8.14E-02	0.601
0.98	0.88	1.09	6.89E-01	7.80E-01	0.000	1.13	1.03	1.23	6.32E-03	2.83E-02	0.792	1.08	0.87	1.33	4.92E-01	2.83E-02	0.792
0.97	0.83	1.14	7.42E-01	1.54E-01	0.465	1.08	0.99	1.18	8.77E-02	2.97E-03	0.887	1.01	0.74	1.37	9.68E-01	2.97E-03	0.887
1.03	0.92	1.14	6.49E-01	9.31E-01	0.000	0.87	0.80	0.95	2.65E-03	5.22E-02	0.735	0.90	0.74	1.10	3.06E-01	5.22E-02	0.735
0.98	0.90	1.06	5.93E-01	6.98E-01	0.000	0.97	0.90	1.05	4.31E-01	2.47E-01	0.285	0.97	0.88	1.07	5.31E-01	2.47E-01	0.285
0.95	0.85	1.06	3.30E-01	9.10E-01	0.000	0.99	0.91	1.08	8.30E-01	7.36E-01	0.000	0.99	0.91	1.08	8.30E-01	7.36E-01	0.000
1.01	0.82	1.26	8.97E-01	8.64E-02	0.544	0.98	0.88	1.09	6.84E-01	1.15E-01	0.596	0.94	0.77	1.15	5.63E-01	1.15E-01	0.596
0.93	0.79	1.09	3.72E-01	9.53E-01	0.000	0.97	0.84	1.11	6.18E-01	6.39E-01	0.000	0.97	0.84	1.11	6.18E-01	6.39E-01	0.000
1.08	0.98	1.20	1.19E-01	8.24E-01	0.000	1.02	0.94	1.12	5.76E-01	9.53E-01	0.000	1.02	0.94	1.12	5.76E-01	9.53E-01	0.000
0.95	0.81	1.11	5.11E-01	1.81E-01	0.415	0.87	0.80	0.96	5.17E-03	5.34E-01	0.000	0.87	0.80	0.96	5.17E-03	5.34E-01	0.000
0.96	0.82	1.12	5.86E-01	5.45E-01	0.000	1.09	0.96	1.24	1.72E-01	2.83E-01	0.132	1.09	0.95	1.25	2.30E-01	2.83E-01	0.132
1.00	0.89	1.13	9.39E-01	1.48E-01	0.439	0.97	0.90	1.04	3.98E-01	5.56E-01	0.000	0.97	0.90	1.04	3.98E-01	5.56E-01	0.000
1.13	1.00	1.29	5.87E-02	8.83E-01	0.000	1.06	0.95	1.18	3.13E-01	3.74E-01	0.000	1.06	0.95	1.18	3.13E-01	3.74E-01	0.000
1.04	0.95	1.13	3.90E-01	7.77E-01	0.000	1.01	0.94	1.09	7.27E-01	2.20E-01	0.334	1.01	0.92	1.11	7.97E-01	2.20E-01	0.334
0.95	0.85	1.07	4.22E-01	3.17E-01	0.149	0.98	0.90	1.06	5.91E-01	8.36E-01	0.000	0.98	0.90	1.06	5.91E-01	8.36E-01	0.000
0.99	0.84	1.17	9.21E-01	4.22E-01	0.000	0.88	0.77	1.01	6.46E-02	4.37E-02	0.754	0.92	0.69	1.23	5.80E-01	4.37E-02	0.754
1.05	0.96	1.14	2.74E-01	7.33E-01	0.000	1.14	1.06	1.23	4.16E-04	2.90E-01	0.193	1.14	1.04	1.24	3.77E-03	2.90E-01	0.193
1.12	0.96	1.30	1.54E-01	8.53E-01	0.000	1.07	0.94	1.22	3.06E-01	3.10E-01	0.030	1.07	0.94	1.22	3.10E-01	3.10E-01	0.030
0.96	0.85	1.08	5.18E-01	9.25E-01	0.000	0.94	0.86	1.04	2.21E-01	4.12E-01	0.000	0.94	0.86	1.04	2.21E-01	4.12E-01	0.000
1.06	0.92	1.22	4.20E-01	8.66E-02	0.544	0.99	0.92	1.08	8.88E-01	4.71E-01	0.000	0.99	0.92	1.08	8.88E-01	4.71E-01	0.000

Meta TKR_insilico_denovo_fixed						Meta TKR_insilico_denovo_random						Meta KNEE+ arcOGEN_insilico_denovo_fixed					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
1.11	0.92	1.35	2.73E-01	1.00E+00	na	1.11	0.92	1.35	2.73E-01	1.00E+00	na	0.90	0.83	0.98	9.36E-03	3.96E-02	0.602
1.00	0.90	1.12	9.72E-01	9.86E-01	0.000	1.00	0.90	1.12	9.72E-01	9.86E-01	0.000	1.03	0.98	1.09	2.61E-01	6.60E-01	0.000
0.99	0.72	1.35	9.45E-01	1.00E+00	na	0.99	0.72	1.35	9.45E-01	1.00E+00	na	1.14	1.02	1.28	1.74E-02	4.12E-02	0.598
0.97	0.81	1.16	7.50E-01	1.00E+00	na	0.97	0.81	1.16	7.50E-01	1.00E+00	na	1.00	0.94	1.07	9.28E-01	8.60E-01	0.000
1.00	0.69	1.45	9.96E-01	1.00E+00	na	1.00	0.69	1.45	9.96E-01	1.00E+00	na	1.03	0.92	1.16	5.71E-01	5.13E-01	0.000
1.10	0.89	1.36	4.01E-01	1.00E+00	na	1.10	0.89	1.36	4.01E-01	1.00E+00	na	0.95	0.88	1.02	1.48E-01	5.17E-01	0.000
0.98	0.78	1.22	8.33E-01	1.00E+00	na	0.98	0.78	1.22	8.33E-01	1.00E+00	na	1.00	0.92	1.09	9.87E-01	5.03E-01	0.000
0.91	0.77	1.08	2.93E-01	1.00E+00	na	0.91	0.77	1.08	2.93E-01	1.00E+00	na	0.95	0.89	1.01	9.13E-02	3.50E-01	0.099
1.02	0.86	1.20	8.54E-01	1.00E+00	na	1.02	0.86	1.20	8.54E-01	1.00E+00	na	0.97	0.91	1.03	3.50E-01	6.24E-01	0.000
1.16	0.94	1.43	1.79E-01	1.00E+00	na	1.16	0.94	1.43	1.79E-01	1.00E+00	na	0.99	0.91	1.07	7.92E-01	3.59E-01	0.083
1.04	0.81	1.34	7.56E-01	1.00E+00	na	1.04	0.81	1.34	7.56E-01	1.00E+00	na	0.86	0.78	0.95	2.01E-03	1.32E-02	0.721
0.96	0.80	1.16	6.89E-01	1.00E+00	na	0.96	0.80	1.16	6.89E-01	1.00E+00	na	0.90	0.84	0.96	2.42E-03	9.43E-01	0.000
1.17	0.91	1.51	2.13E-01	1.00E+00	na	1.17	0.91	1.51	2.13E-01	1.00E+00	na	1.25	1.13	1.37	7.71E-06	4.80E-01	0.000
1.06	0.94	1.19	3.54E-01	4.61E-01	0.000	1.06	0.94	1.19	3.54E-01	4.61E-01	0.000	1.13	1.06	1.19	6.11E-05	6.19E-01	0.000
1.07	0.95	1.21	2.53E-01	3.54E-01	0.000	1.07	0.95	1.21	2.53E-01	3.54E-01	0.000	1.13	1.06	1.19	5.59E-05	6.58E-01	0.000
1.02	0.86	1.21	8.39E-01	1.00E+00	na	1.02	0.86	1.21	8.39E-01	1.00E+00	na	1.04	0.98	1.11	1.97E-01	9.65E-01	0.000
1.02	0.86	1.22	7.87E-01	1.00E+00	na	1.02	0.86	1.22	7.87E-01	1.00E+00	na	0.88	0.82	0.94	6.95E-05	3.47E-01	0.103
1.13	0.82	1.56	4.49E-01	1.00E+00	na	1.13	0.82	1.56	4.49E-01	1.00E+00	na	1.07	0.95	1.21	2.78E-01	4.96E-01	0.000
1.00	0.89	1.12	9.70E-01	2.62E-01	0.205	1.00	0.88	1.14	9.84E-01	2.62E-01	0.205	1.00	0.95	1.06	9.54E-01	1.36E-01	0.404
0.91	0.81	1.03	1.44E-01	1.00E+00	na	0.91	0.81	1.03	1.44E-01	1.00E+00	na	1.05	0.98	1.13	1.75E-01	8.05E-03	0.746
1.06	0.81	1.37	6.86E-01	1.00E+00	na	1.06	0.81	1.37	6.86E-01	1.00E+00	na	0.92	0.83	1.02	1.17E-01	1.64E-01	0.386
0.90	0.65	1.24	5.01E-01	1.00E+00	0.000	0.90	0.65	1.24	5.01E-01	1.00E+00	0.000	0.88	0.78	1.00	5.10E-02	3.72E-02	0.608
1.06	0.82	1.37	6.58E-01	1.00E+00	na	1.06	0.82	1.37	6.58E-01	1.00E+00	na	1.14	1.03	1.26	1.11E-02	2.88E-01	0.203
1.09	0.92	1.30	3.06E-01	1.00E+00	na	1.09	0.92	1.30	3.06E-01	1.00E+00	na	0.91	0.86	0.98	8.39E-03	2.01E-01	0.330
0.93	0.81	1.07	3.16E-01	8.61E-01	0.000	0.93	0.81	1.07	3.16E-01	8.61E-01	0.000	0.84	0.78	0.90	1.37E-06	1.54E-01	0.378
1.09	0.92	1.29	3.31E-01	1.00E+00	na	1.09	0.92	1.29	3.31E-01	1.00E+00	na	1.06	0.99	1.12	9.59E-02	2.67E-01	0.231
0.96	0.81	1.13	6.16E-01	1.00E+00	na	0.96	0.81	1.13	6.16E-01	1.00E+00	na	0.92	0.86	0.98	8.54E-03	3.14E-01	0.158
0.84	0.62	1.14	2.71E-01	1.00E+00	na	0.84	0.62	1.14	2.71E-01	1.00E+00	na	1.03	0.93	1.15	5.45E-01	1.23E-01	0.481
1.01	0.86	1.20	8.80E-01	1.00E+00	na	1.01	0.86	1.20	8.80E-01	1.00E+00	na	0.89	0.84	0.95	2.96E-04	7.20E-02	0.571
0.95	0.81	1.12	5.68E-01	1.00E+00	na	0.95	0.81	1.12	5.68E-01	1.00E+00	na	0.96	0.88	1.04	3.36E-01	6.98E-01	0.000
1.19	0.94	1.50	1.46E-01	1.00E+00	na	1.19	0.94	1.50	1.46E-01	1.00E+00	na	0.97	0.89	1.06	4.96E-01	1.41E-01	0.421
1.15	1.01	1.30	3.20E-02	6.68E-01	0.000	1.15	1.01	1.30	3.20E-02	6.68E-01	0.000	1.14	1.07	1.21	4.03E-05	4.17E-01	0.000
0.92	0.76	1.11	3.99E-01	6.51E-02	0.706	0.91	0.64	1.30	6.05E-01	6.51E-02	0.706	1.04	0.95	1.13	4.42E-01	6.45E-01	0.000
0.82	0.69	0.99	3.69E-02	1.00E+00	na	0.82	0.69	0.99	3.69E-02	1.00E+00	na	0.97	0.91	1.03	3.34E-01	3.25E-01	0.140
1.00	0.88	1.14	9.60E-01	3.12E-01	0.020	1.00	0.88	1.14	9.62E-01	3.12E-01	0.020	1.06	0.99	1.12	8.71E-02	7.51E-01	0.000
1.21	0.96	1.52	1.09E-01	1.00E+00	na	1.21	0.96	1.52	1.09E-01	1.00E+00	na	1.17	1.08	1.27	1.25E-04	2.53E-01	0.253
1.06	0.87	1.29	5.52E-01	1.00E+00	na	1.06	0.87	1.29	5.52E-01	1.00E+00	na	1.17	1.09	1.26	1.47E-05	2.36E-01	0.278
1.24	1.03	1.49	2.16E-02	1.00E+00	0.000	1.24	1.03	1.49	2.16E-02	1.00E+00	0.000	1.05	0.98	1.13	1.79E-01	2.82E-01	0.214
0.91	0.79	1.04	1.82E-01	3.91E-01	0.000	0.91	0.79	1.04	1.82E-01	3.91E-01	0.000	1.05	0.81	1.34	7.28E-01	6.55E-01	0.000
0.97	0.81	1.16	7.22E-01	1.00E+00	na	0.97	0.81	1.16	7.22E-01	1.00E+00	na	0.97	0.91	1.04	3.57E-01	9.49E-01	0.000
1.03	0.87	1.23	7.15E-01	9.75E-01	0.000	1.03	0.87	1.23	7.15E-01	9.75E-01	0.000	1.23	1.14	1.33	1.60E-07	9.87E-02	0.461
1.02	0.87	1.21	7.90E-01	9.82E-01	0.000	1.02	0.87	1.21	7.90E-01	9.82E-01	0.000	1.22	1.13	1.32	1.38E-07	1.07E-01	0.474
1.22	1.00	1.49	5.24E-02	1.00E+00	na	1.22	1.00	1.49	5.24E-02	1.00E+00	na	1.06	0.98	1.14	1.20E-01	2.68E-01	0.230
0.87	0.75	1.02	7.78E-02	1.15E-01	0.598	0.87	0.68	1.11	2.69E-01	1.15E-01	0.598	1.00	0.93	1.07	9.98E-01	8.49E-03	0.707
0.88	0.72	1.09	2.41E-01	1.00E+00	na	0.88	0.72	1.09	2.41E-01	1.00E+00	na	0.97	0.90	1.05	4.71E-01	6.20E-01	0.000
0.88	0.71	1.10	2.57E-01	1.00E+00	na	0.88	0.71	1.10	2.57E-01	1.00E+00	na	0.98	0.90	1.07	6.64E-01	2.04E-01	0.325
0.98	0.86	1.12	7.98E-01	6.81E-01	0.000	0.98	0.86	1.12	7.98E-01	6.81E-01	0.000	1.01	0.95	1.08	6.97E-01	1.76E-01	0.347
1.06	0.84	1.33	6.21E-01	1.00E+00	na	1.06	0.84	1.33	6.21E-01	1.00E+00	na	1.04	0.95	1.13	3.89E-01	8.80E-01	0.000
0.95	0.78	1.15	5.94E-01	1.00E+00	na	0.95	0.78	1.15	5.94E-01	1.00E+00	na	0.97	0.90	1.04	3.94E-01	7.72E-01	0.000
1.22	0.92	1.61	1.70E-01	1.00E+00	na	1.22	0.92	1.61	1.70E-01	1.00E+00	na	1.04	0.93	1.16	5.16E-01	5.20E-01	0.000
0.86	0.72	1.02	8.85E-02	1.00E+00	na	0.86	0.72	1.02	8.85E-02	1.00E+00	na	1.01	0.95	1.08	7.51E-01	2.40E-01	0.287
0.98	0.82	1.17	8.14E-01	1.00E+00	na	0.98	0.82	1.17	8.14E-01	1.00E+00	na	0.99	0.93	1.06	7.56E-01	5.96E-01	0.000
0.95	0.70	1.28	7.23E-01	1.00E+00	na	0.95	0.70	1.28	7.23E-01	1.00E+00	na	1.04	0.93	1.17	4.56E-01	1.62E-01	0.388
1.07	0.91	1.26	4.37E-01	1.00E+00	na	1.07	0.91	1.26	4.37E-01	1.00E+00	na	1.05	0.98	1.12	1.57E-01	5.90E-01	0.000
0.96	0.82	1.12	6.12E-01	1.00E+00	na	0.96	0.82	1.12	6.12E-01	1.00E+00	na	0.96	0.90	1.02	1.95E-01	8.75E-01	0.000
0.97	0.80	1.17	7.44E-01	1.00E+00	na	0.97	0.80	1.17	7.44E-01	1.00E+00	na	1.00	0.93	1.07	9.39E-01	6.97E-01	0.000
0.86	0.72	1.02	8.44E-02	1.00E+00	na	0.86	0.72	1.02	8.44E-02	1.00E+00	na	1.08	1.01	1.15	1.64E-02	8.10E-02	0.518
0.98	0.88	1.10	7.74E-01	6.44E-01	0.000	0.98	0.88	1.10	7.74E-01	6.44E-01	0.000	0.97	0.92	1.03	2.76E-01	7.09E-01	0.000
0.96	0.84	1.10	5.48E-01	1.35E-01	0.553	0.96	0.78	1.17	6.56E-01	1.35E-01	0.553	0.89	0.83	0.95	8.63E-04	6.77E-01	0.000
1.13	0.96	1.34	1.46E-01	1.00E+00	na	1.13	0.96	1.34	1.46E-01	1.00E+00	na	0.93	0.87	0.99	1.81E-02	7.65E-03	0.748
1.00	0.83	1.21	1.00E+00	1.00E+00	na	1.00	0.83	1.21	1.00E+00	1.00E+00	na	0.95	0.89	1.02	1.82E-01	5.39E-01	0.000
1.22	0.98	1.52	7.65E-02	1.37E-01	0.548	1.20	0.85	1.67	3.00E-01	1.37E-01	0.548	0.90	0.80	1.01	7.61E-02	3.73E-01	0.068
1.01	0.80	1.28	9.22E-01	1.00E+00	na	1.01	0.80	1.28	9.22E-01	1.00E+00	na	0.91	0.83	0.99	2.68E-02	5.41E-01	0.000
0.94	0.80	1.11	4.95E-01	1.00E+00	na	0.94	0.80	1.11	4.95E-01	1.00E+00	na	0.99	0.93	1.05	6.78E-01	6.50E-01	0.000
1.09	0.87	1.36	4.77E-01	1.00E+00	na	1.09	0.87	1.36	4.77E-01	1.00E+00	na	1.09	0.99	1.20	6.84E-02	6.37E-01	0.000
1.05	0.88	1.25	6.17E-01	1.00E+00	na	1.05	0.88	1.25	6.17E-01	1.00E+00	na	1.04	0.97	1.11	2.43E-01	1.21E-01	0.483
1.01	0.82	1.26	8.98E-01	1.00E+00	na	1.01	0.82	1.26	8.98E-01	1.00E+00	na	1.01	0.93	1.10	7.63E-01	7.34E-01	0.000
1.02	0.88	1.18	8.05E-01	1.23E-01	0.579	1.02	0.82	1.28	8.58E-01	1.23E-01	0.579	0.97	0.90	1.04	3.55E-01	3.21E-02	0.590
0.83	0.65	1.06	1.27E-01	1.00E+00	na	0.83	0.65	1.06	1.27E-01	1.00E+00	na	1.07	0.98	1.16	1.28E-01	9.99E-02	0.520
0.94	0.77	1.14	5.26E-01	1.00E+00	na	0.94	0.77	1.14	5.26E-01	1.00E+00	na	1.01	0.94	1.09	7.10E-01	8.37E-01	0.000
0.86	0.74	1.00	5.61E-02	7.70E-01	0.000	0.86	0.74	1.00	5.61E-02	7.70E-01	0.000	1.02	0.95	1.10	5.70E-01	1.35E-01	0.405
1.28	1.05	1.56	1.32E-02	1.00E+00	na	1.28	1.05	1.56	1.32E-02	1.00E+00	na	1.03	0.95	1.11	4.75E-01	6.66E-02	0.545
1.05	0.81	1.35	7.30E-01	1.00E+00	0.000	1.05	0.81	1.35	7.30E-01	1.00E+00	0.000	1.18	1.09	1.29	1.33E-04	5.08E-01	0.000
0.98	0.78	1.22	8.33E-01	1.00E+00	na	0.98	0.78	1.22	8.33E-01	1.00E+00	na	1.11	1.03	1.20	5.27E-03	1.86E-01	0.376
1.05	0.93	1.18	4.71E-01	5.48E-02	0.729	1.05	0.83	1.32	6.91E-01	5.48E-02	0.729	0.99	0.94	1.06	8.44E-01	5.76E-02	0.533
0.98	0.82	1.17	8.25E-01	1.00E+00	na	0.98	0.82	1.17	8.25E-01	1.00E+00	na	1.09	1.01	1.17	2.83E-02	2.77E-01	0.217
1.05	0.88	1.25	5.86E-01	1.00E+00	na	1.05	0.88	1.25	5.86E-01	1.00E+00	na	0.96	0.90	1.03	2.70E-01	6.59E-01	0.000
0.77	0.60	0.99	4.20E-02	1.00E+00	na	0.77	0.60	0.99	4.20E-02	1.00E+00	na	1.09	0.99	1.19	7.47E-02	2.18E-02	0.651
1.10	0.94	1.28	2.60E-01	1.00E+00	na	1.10	0.94	1.28	2.60E-01	1.00E+00	na	1.13	1.06	1.20	1.12E-04	4.38E-01	0.000
1.27	1.08	1.51	5.15E-03	1.00E+00	na	1.27	1.08	1.51	5.15E-03	1.00E+00	na	1.12	1.05	1.19	5.30E-04	9.63E-02	0.492
0.97	0.87	1.07	5.25E-01	4.14E-01	0.000	0.97	0.87	1.07	5.25E-01	4.14E-01	0.000	0.95	0.90	1.01	9.66E-02	5.53E-02	0.567
0.96	0.81	1.13	5.95E-01	1.00E+00	na	0.96	0.81	1.13	5.95E-01	1.00E+00	na	1.10	1.03	1.17	3.37E-03	5.11E-02	0.614
0.85	0.71	1.02	8.22E-02	1.00E+00	na	0.85	0.71	1.02	8.22E-02	1.00E+00	na	1.08	1.01	1.15	2.79E-02	3.75E-02	0.645
1.01	0.85	1.20	9.02E-01	1.00E+00	na	1.01	0.85	1.20	9.02E-01	1.00E+00	na	0.91	0.85	0.97	4.17E-03	5.22E-02	0.611
0.97	0.86	1.09	5.76E-01	9.47E-02	0.642	0.97	0.80	1.18	7.68E-01	9.47E-02	0.642	0.98	0.93	1.04	4.72E-01	7.65E-01	0.000
0.97	0.81	1.15	6.90E-01	1.00E+00	na	0.97	0.81	1.15	6.90E-01	1.00E+00	na	0.97	0.91	1.04	3.66E-01	9.26E-01	0.000
0.83	0.66	1.05	1.12E-01	1.00E+00	na	0.83	0.66	1.05	1.12E-01	1.00E+00	na	1.00	0.92	1.08	9.72E-01	1.54E-01	0.400
0.91	0.67	1.23	5.19E-01	1.00E+00	na	0.91	0.67	1.23	5.19E-01	1.00E+00	na	0.98	0.89	1.09	7.51E-01	8.93E-01	0.000
1.02	0.86	1.21	8.19E-01	1.00E+00	na	1.02	0.86	1.21	8.19E-01	1.00E+00	na	1.02	0.96	1.09	4.50E-01	5.87E-01	0.000
0.83	0.68	1.01	5.78E-02	1.00E+00	na	0.83	0.68	1.01	5.78E-02	1.00E+00	na	0.91	0.85	0.97	6.79E-03	2.28E-01	0.307
0.99	0.79	1.24	9.09E-01	1.00E+00	na	0.99	0.79	1.24	9.09E-01	1.00E+00	na	1.06	0.96	1.17	2.48E-01	2.80E-01	0.217
0.93	0.83	1.05	2.35E-01	4.94E-01	0.000	0.93	0.83	1.05	2.35E-01	4.94E-01	0.000	0.98	0.92	1.04	4.73E-01	1.97E-01	0.336
1.15	0.93	1.41	2.00E-01	1.00E+00	na	1.15	0.93	1.41	2.00E-01	1.00E+00	na	1.07	0.99	1.16	1.07E-01	7.44E-01	0.000
1.06	0.96	1.17	2.77E-01	1.00E+00	na	1.06	0.96	1.17	2.77E-01	1.00E+00	na	1.01	0.95	1.07	8.34E-01	6.71E-01	0.000
0.99	0.84	1.17	9.26E-01	1.00E+00	na	0.99	0.84	1.17	9.26E-01	1.00E+00	na	0.97	0.91	1.03	3.06E-01	4.56E-01	0.000
1.09	0.85	1.38	5.10E-01	1.00E+00	na	1.09	0.85	1.38	5.10E-01	1.00E+00	na	0.90	0.81	0.99	3.85E-02	2.90E-01	0.195
1.07	0.95	1.20	2.50E-01	5.45E-01	0.000	1.07	0.95	1.20	2.50E-01	5.45E-01	0.000	1.10	1.04	1.16	1.65E-03	4.17E-01	0.000
1.20	0.93	1.54	1.63E-01	1.00E+00	na	1.20	0.93	1.54	1.63E-01	1.00E+00	na	1.04	0.95	1.14	4.10E-01	7.08E-01	0.000
1.01	0.84	1.21	9.57E-01	1.00E+00	na	1.01	0.84	1.21	9.57E-01	1.00E+00	na	0.95	0.89	1.02	1.76E-01	9.72E-01	0.000
0.96	0.85	1.09	5.36E-01	3.10E-01	0.030	0.96	0.85	1.09	5.44E-01	3.10E-01	0.030	1.05	0.99	1.12	1.32E-01	1.89E-01	0.349

Meta KNEE+ arcOGEN_insilico_denovo_random						Meta KNEE+ insilico_denovo_fixed						Meta KNEE+ insilico_denovo_random					
OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2	OR	L95	U95	p	q_p	i2
0.94	0.81	1.10	4.60E-01	3.96E-02	0.602	1.00	0.88	1.13	9.40E-01	1.13E-01	0.498	1.00	0.82	1.21	9.66E-01	1.13E-01	0.498
1.03	0.98	1.09	2.61E-01	6.60E-01	0.000	1.01	0.93	1.09	8.50E-01	6.27E-01	0.000	1.01	0.93	1.09	8.50E-01	6.27E-01	0.000
1.05	0.83	1.32	6.98E-01	4.12E-02	0.598	0.93	0.77	1.12	4.46E-01	3.99E-01	0.000	0.93	0.77	1.12	4.46E-01	3.99E-01	0.000
1.00	0.94	1.07	9.28E-01	8.60E-01	0.000	1.02	0.91	1.14	7.72E-01	7.48E-01	0.000	1.02	0.91	1.14	7.72E-01	7.48E-01	0.000
1.03	0.92	1.16	5.71E-01	5.13E-01	0.000	0.96	0.78	1.17	6.74E-01	4.81E-01	0.000	0.96	0.78	1.17	6.74E-01	4.81E-01	0.000
0.95	0.88	1.02	1.48E-01	5.17E-01	0.000	1.01	0.89	1.14	9.29E-01	6.16E-01	0.000	1.01	0.89	1.14	9.29E-01	6.16E-01	0.000
1.00	0.92	1.09	9.87E-01	5.03E-01	0.000	0.95	0.82	1.10	4.74E-01	4.57E-01	0.000	0.95	0.82	1.10	4.74E-01	4.57E-01	0.000
0.94	0.87	1.01	8.99E-02	3.50E-01	0.099	0.89	0.80	0.99	2.70E-02	5.33E-01	0.000	0.89	0.80	0.99	2.70E-02	5.33E-01	0.000
0.97	0.91	1.03	3.50E-01	6.24E-01	0.000	1.00	0.90	1.10	9.42E-01	5.30E-01	0.000	1.00	0.90	1.10	9.42E-01	5.30E-01	0.000
1.00	0.91	1.09	9.79E-01	3.59E-01	0.083	1.09	0.95	1.24	2.10E-01	7.52E-01	0.000	1.09	0.95	1.24	2.10E-01	7.52E-01	0.000
0.94	0.76	1.17	5.72E-01	1.32E-02	0.721	1.05	0.90	1.22	5.59E-01	9.98E-01	0.000	1.05	0.90	1.22	5.59E-01	9.98E-01	0.000
0.90	0.84	0.96	2.42E-03	9.43E-01	0.000	0.93	0.83	1.05	2.25E-01	9.69E-01	0.000	0.93	0.83	1.05	2.25E-01	9.69E-01	0.000
1.25	1.13	1.37	7.71E-06	4.80E-01	0.000	1.13	0.96	1.33	1.40E-01	7.34E-01	0.000	1.13	0.96	1.33	1.40E-01	7.34E-01	0.000
1.13	1.06	1.19	6.11E-05	6.19E-01	0.000	1.10	1.01	1.19	2.59E-02	5.71E-01	0.000	1.10	1.01	1.19	2.59E-02	5.71E-01	0.000
1.13	1.06	1.19	5.59E-05	6.58E-01	0.000	1.10	1.02	1.20	1.94E-02	5.77E-01	0.000	1.10	1.02	1.20	1.94E-02	5.77E-01	0.000
1.04	0.98	1.11	1.97E-01	9.65E-01	0.000	1.04	0.93	1.15	5.08E-01	8.79E-01	0.000	1.04	0.93	1.15	5.08E-01	8.79E-01	0.000
0.88	0.82	0.95	8.07E-04	3.47E-01	0.103	0.91	0.82	1.01	8.24E-02	3.03E-01	0.176	0.91	0.80	1.02	1.16E-01	3.03E-01	0.176
1.07	0.95	1.21	2.78E-01	4.96E-01	0.000	1.17	0.96	1.43	1.13E-01	5.94E-01	0.000	1.17	0.96	1.43	1.13E-01	5.94E-01	0.000
1.01	0.92	1.10	8.69E-01	1.36E-01	0.404	1.00	0.92	1.08	9.43E-01	7.90E-02	0.522	1.02	0.90	1.16	7.54E-01	7.90E-02	0.522
1.07	0.90	1.26	4.51E-01	8.05E-03	0.746	1.01	0.91	1.11	9.04E-01	6.26E-03	0.803	1.05	0.80	1.37	7.32E-01	6.26E-03	0.803
0.95	0.81	1.11	4.96E-01	1.64E-01	0.386	1.02	0.87	1.20	8.16E-01	2.52E-01	0.266	1.01	0.82	1.24	9.50E-01	2.52E-01	0.266
0.93	0.72	1.19	5.43E-01	3.72E-02	0.608	0.89	0.73	1.09	2.76E-01	1.71E-02	0.705	0.98	0.65	1.48	9.20E-01	1.71E-02	0.705
1.12	0.99	1.27	7.42E-02	2.88E-01	0.203	1.03	0.87	1.22	7.38E-01	4.73E-01	0.000	1.03	0.87	1.22	7.38E-01	4.73E-01	0.000
0.93	0.85	1.03	1.47E-01	2.01E-01	0.330	0.98	0.88	1.09	7.41E-01	3.76E-01	0.034	0.98	0.88	1.09	7.34E-01	3.76E-01	0.034
0.86	0.78	0.95	3.58E-03	1.54E-01	0.378	0.89	0.81	0.98	2.35E-02	2.51E-01	0.256	0.89	0.79	1.01	6.76E-02	2.51E-01	0.256
1.04	0.95	1.13	3.79E-01	2.67E-01	0.231	1.00	0.90	1.10	9.30E-01	3.46E-01	0.094	0.99	0.89	1.11	9.12E-01	3.46E-01	0.094
0.93	0.86	1.01	7.58E-02	3.14E-01	0.158	0.99	0.90	1.10	8.65E-01	7.10E-01	0.000	0.99	0.90	1.10	8.65E-01	7.10E-01	0.000
1.03	0.87	1.23	7.19E-01	1.23E-01	0.481	1.09	0.91	1.29	3.53E-01	7.13E-02	0.621	1.04	0.77	1.40	8.19E-01	7.13E-02	0.621
0.92	0.82	1.04	1.83E-01	7.20E-02	0.571	0.99	0.89	1.10	8.43E-01	7.68E-01	0.000	0.99	0.89	1.10	8.43E-01	7.68E-01	0.000
0.96	0.88	1.04	3.36E-01	6.98E-01	0.000	0.99	0.87	1.12	8.71E-01	6.11E-01	0.000	0.99	0.87	1.12	8.71E-01	6.11E-01	0.000
0.98	0.85	1.13	8.12E-01	1.41E-01	0.421	1.00	0.87	1.15	9.80E-01	8.71E-02	0.543	1.01	0.80	1.28	9.37E-01	8.71E-02	0.543
1.14	1.07	1.21	4.03E-05	4.17E-01	0.000	1.07	0.98	1.17	1.27E-01	8.30E-01	0.000	1.07	0.98	1.17	1.27E-01	8.30E-01	0.000
1.04	0.95	1.13	4.42E-01	6.45E-01	0.000	1.02	0.90	1.17	7.16E-01	5.08E-01	0.000	1.02	0.90	1.17	7.16E-01	5.08E-01	0.000
0.96	0.89	1.04	3.48E-01	3.25E-01	0.140	0.93	0.83	1.03	1.61E-01	3.08E-01	0.167	0.93	0.82	1.05	2.61E-01	3.08E-01	0.167
1.06	0.99	1.12	8.71E-02	7.51E-01	0.000	1.05	0.96	1.15	2.96E-01	6.21E-01	0.000	1.05	0.96	1.15	2.96E-01	6.21E-01	0.000
1.14	1.02	1.27	1.99E-02	2.53E-01	0.253	1.06	0.93	1.21	3.64E-01	5.51E-01	0.000	1.06	0.93	1.21	3.64E-01	5.51E-01	0.000
1.15	1.04	1.27	8.60E-03	2.36E-01	0.278	1.07	0.95	1.20	2.82E-01	6.20E-01	0.000	1.07	0.95	1.20	2.82E-01	6.20E-01	0.000
1.06	0.97	1.16	2.00E-01	2.82E-01	0.214	1.11	0.99	1.25	8.11E-02	2.94E-01	0.184	1.11	0.97	1.27	1.26E-01	2.94E-01	0.184
1.05	0.81	1.34	7.28E-01	6.55E-01	0.000												
0.97	0.91	1.04	3.57E-01	9.49E-01	0.000	1.00	0.89	1.11	9.54E-01	9.53E-01	0.000	1.00	0.89	1.11	9.54E-01	9.53E-01	0.000
1.17	1.03	1.33	1.38E-02	9.87E-02	0.461	1.10	0.98	1.23	1.24E-01	7.17E-01	0.000	1.10	0.98	1.23	1.24E-01	7.17E-01	0.000
1.18	1.05	1.33	5.21E-03	1.07E-01	0.474	1.11	0.99	1.24	6.55E-02	5.49E-01	0.000	1.11	0.99	1.24	6.55E-02	5.49E-01	0.000
1.06	0.95	1.17	2.91E-01	2.68E-01	0.230	1.05	0.93	1.19	4.27E-01	1.60E-01	0.419	1.03	0.86	1.23	7.45E-01	1.60E-01	0.419
0.98	0.84	1.14	7.78E-01	8.49E-03	0.707	0.91	0.82	1.01	8.51E-02	4.44E-02	0.629	0.94	0.79	1.13	5.18E-01	4.44E-02	0.629
0.97	0.90	1.05	4.71E-01	6.20E-01	0.000	0.91	0.80	1.03	1.39E-01	8.17E-01	0.000	0.91	0.80	1.03	1.39E-01	8.17E-01	0.000
1.00	0.88	1.13	9.89E-01	2.04E-01	0.325	1.01	0.88	1.15	9.21E-01	1.27E-01	0.474	1.05	0.86	1.29	6.38E-01	1.27E-01	0.474
1.03	0.94	1.14	4.72E-01	1.76E-01	0.347	1.07	0.97	1.17	1.63E-01	2.75E-01	0.219	1.07	0.96	1.20	2.05E-01	2.75E-01	0.219
1.04	0.95	1.13	3.89E-01	8.80E-01	0.000	1.09	0.95	1.25	2.07E-01	9.54E-01	0.000	1.09	0.95	1.25	2.07E-01	9.54E-01	0.000
0.97	0.90	1.04	3.94E-01	7.72E-01	0.000	0.92	0.81	1.04	1.97E-01	9.20E-01	0.000	0.92	0.81	1.04	1.97E-01	9.20E-01	0.000
1.04	0.93	1.16	5.16E-01	5.20E-01	0.000	1.04	0.86	1.26	6.49E-01	3.58E-01	0.069	1.04	0.85	1.27	6.83E-01	3.58E-01	0.069
1.00	0.92	1.09	9.62E-01	2.40E-01	0.287	0.98	0.88	1.09	6.75E-01	1.64E-01	0.446	0.98	0.84	1.13	7.45E-01	1.64E-01	0.446
0.99	0.93	1.06	7.56E-01	5.96E-01	0.000	1.05	0.94	1.17	3.76E-01	8.14E-01	0.000	1.05	0.94	1.17	3.76E-01	8.14E-01	0.000
1.00	0.83	1.19	9.85E-01	1.62E-01	0.388	0.92	0.77	1.11	3.81E-01	2.87E-01	0.205	0.92	0.74	1.15	4.60E-01	2.87E-01	0.205
1.05	0.98	1.12	1.57E-01	5.90E-01	0.000	1.02	0.92	1.13	7.27E-01	4.93E-01	0.000	1.02	0.92	1.13	7.27E-01	4.93E-01	0.000
0.96	0.90	1.02	1.95E-01	8.75E-01	0.000	0.99	0.89	1.09	7.90E-01	8.98E-01	0.000	0.99	0.89	1.09	7.90E-01	8.98E-01	0.000
1.00	0.93	1.07	9.39E-01	6.97E-01	0.000	1.02	0.91	1.15	7.26E-01	5.84E-01	0.000	1.02	0.91	1.15	7.26E-01	5.84E-01	0.000
1.06	0.94	1.18	3.54E-01	8.10E-02	0.518	1.01	0.91	1.12	8.88E-01	1.40E-01	0.452	1.02	0.88	1.19	7.87E-01	1.40E-01	0.452
0.97	0.92	1.03	2.76E-01	7.09E-01	0.000	0.97	0.90	1.05	4.96E-01	5.70E-01	0.000	0.97	0.90	1.05	4.96E-01	5.70E-01	0.000
0.89	0.83	0.95	8.63E-04	6.77E-01	0.000	0.89	0.81	0.98	2.11E-02	5.33E-01	0.000	0.89	0.81	0.98	2.11E-02	5.33E-01	0.000
0.99	0.85	1.15	9.08E-01	7.65E-03	0.748	1.07	0.96	1.19	2.13E-01	6.70E-01	0.000	1.07	0.96	1.19	2.13E-01	6.70E-01	0.000
0.95	0.89	1.02	1.82E-01	5.39E-01	0.000	0.95	0.84	1.07	4.31E-01	3.39E-01	0.076	0.95	0.84	1.08	4.33E-01	3.39E-01	0.076
0.91	0.80	1.03	1.34E-01	3.73E-01	0.068	1.02	0.87	1.20	8.12E-01	9.20E-01	0.000	1.02	0.87	1.20	8.12E-01	9.20E-01	0.000
0.91	0.83	0.99	2.68E-02	5.41E-01	0.000	0.88	0.76	1.02	8.38E-02	4.17E-01	0.000	0.88	0.76	1.02	8.38E-02	4.17E-01	0.000
0.99	0.93	1.05	6.78E-01	6.50E-01	0.000	0.99	0.89	1.10	8.50E-01	4.41E-01	0.000	0.99	0.89	1.10	8.50E-01	4.41E-01	0.000
1.09	0.99	1.20	6.84E-02	6.37E-01	0.000	1.16	1.00	1.36	5.73E-02	7.03E-01	0.000	1.16	1.00	1.36	5.73E-02	7.03E-01	0.000
1.01	0.90	1.12	9.00E-01	1.21E-01	0.483	0.95	0.85	1.06	3.68E-01	4.01E-01	0.000	0.95	0.85	1.06	3.68E-01	4.01E-01	0.000
1.01	0.93	1.10	7.63E-01	7.34E-01	0.000	0.96	0.84	1.11	6.05E-01	7.60E-01	0.000	0.96	0.84	1.11	6.05E-01	7.60E-01	0.000
0.99	0.86	1.13	8.35E-01	3.21E-02	0.590	1.00	0.90	1.11	9.37E-01	2.47E-02	0.642	1.01	0.83	1.22	9.30E-01	2.47E-02	0.642
1.01	0.87	1.17	8.64E-01	9.99E-02	0.520	0.94	0.82	1.09	4.17E-01	4.00E-01	0.000	0.94	0.82	1.09	4.17E-01	4.00E-01	0.000
1.01	0.94	1.09	7.10E-01	8.37E-01	0.000	0.99	0.88	1.11	8.11E-01	7.71E-01	0.000	0.99	0.88	1.11	8.11E-01	7.71E-01	0.000
1.00	0.89	1.11	9.29E-01	1.35E-01	0.405	0.95	0.85	1.05	2.94E-01	3.54E-01	0.093	0.95	0.85	1.06	3.36E-01	3.54E-01	0.093
1.04	0.91	1.20	5.55E-01	6.66E-02	0.545	1.08	0.95	1.21	2.36E-01	4.84E-02	0.620	1.06	0.85	1.31	6.23E-01	4.84E-02	0.620
1.18	1.09	1.29	1.33E-04	5.08E-01	0.000	1.08	0.94	1.25	2.76E-01	7.74E-01	0.000	1.08	0.94	1.25	2.76E-01	7.74E-01	0.000
1.08	0.97	1.21	1.67E-01	1.86E-01	0.376	1.01	0.89	1.14	9.10E-01	5.10E-01	0.000	1.01	0.89	1.14	9.10E-01	5.10E-01	0.000
0.99	0.89	1.10	8.15E-01	5.76E-02	0.533	0.99	0.91	1.08	8.71E-01	3.01E-02	0.626	0.98	0.84	1.14	7.70E-01	3.01E-02	0.626
1.07	0.97	1.18	1.86E-01	2.77E-01	0.217	1.02	0.90	1.14	8.04E-01	3.95E-01	0.000	1.02	0.90	1.14	8.04E-01	3.95E-01	0.000
0.96	0.90	1.03	2.70E-01	6.59E-01	0.000	1.00	0.90	1.12	9.31E-01	7.00E-01	0.000	1.00	0.90	1.12	9.31E-01	7.00E-01	0.000
0.99	0.81	1.21	8.98E-01	2.18E-02	0.651	0.93	0.80	1.08	3.55E-01	1.50E-01	0.436	0.91	0.72	1.14	4.10E-01	1.50E-01	0.436
1.13	1.06	1.20	1.12E-04	4.38E-01	0.000	1.06	0.96	1.17	2.61E-01	8.69E-01	0.000	1.06	0.96	1.17	2.61E-01	8.69E-01	0.000
1.10	0.98	1.22	1.06E-01	9.63E-02	0.492	1.09	0.99	1.21	9.09E-02	5.57E-02	0.604	1.06	0.88	1.27	5.25E-01	5.57E-02	0.604
0.99	0.90	1.09	8.13E-01	5.53E-02	0.567	1.03	0.95	1.12	4.68E-01	5.99E-01	0.000	1.03	0.95	1.12	4.68E-01	5.99E-01	0.000
1.05	0.93	1.19	4.36E-01	5.11E-02	0.614	0.98	0.88	1.09	6.89E-01	7.80E-01	0.000	0.98	0.88	1.09	6.89E-01	7.80E-01	0.000
1.03	0.90	1.18	6.73E-01	3.75E-02	0.645	0.98	0.88	1.09	6.82E-01	1.54E-01	0.465	0.97	0.83	1.14	7.42E-01	1.54E-01	0.465
0.95	0.84	1.08	4.75E-01	5.22E-02	0.611	1.03	0.92	1.14	6.49E-01	9.31E-01	0.000	1.03	0.92	1.14	6.49E-01	9.31E-01	0.000
0.98	0.93	1.04	4.72E-01	7.65E-01	0.000	0.97	0.90	1.05	4.92E-01	6.44E-01	0.000	0.97	0.90	1.05	4.92E-01	6.44E-01	0.000
0.97	0.91	1.04	3.66E-01	9.26E-01	0.000	0.95	0.85	1.06	3.30E-01	9.10E-01	0.000	0.95	0.85	1.06	3.30E-01	9.10E-01	0.000
1.00	0.88	1.13	9.86E-01	1.54E-01	0.400	0.98	0.86	1.12	7.95E-01	8.64E-02	0.544	1.01	0.82	1.26	8.97E-01	8.64E-02	0.544
0.98	0.89	1.09	7.51E-01	8.93E-01	0.000	0.93	0.79	1.09	3.72E-01	9.53E-01	0.000	0.93	0.79	1.09	3.72E-01	9.53E-01	0.000
1.02	0.96	1.09	4.50E-01	5.87E-01	0.000	1.08	0.98	1.20	1.19E-01	8.24E-01	0.000	1.08	0.98	1.20	1.19E-01	8.24E-01	0.000
0.92	0.83	1.01	8.62E-02	2.28E-01	0.307	0.95	0.85	1.07	4.11E-01	1.81E-01	0.415	0.95	0.81	1.11	5.11E-01	1.81E-01	0.415
1.04	0.92	1.18	5.17E-01	2.80E-01	0.217	0.96	0.82	1.12	5.86E-01	5.45E-01	0.000	0.96	0.82	1.12	5.86E-01	5.45E-01	0.000
0.99	0.91	1.07	7.53E-01	1.97E-01	0.336	1.00	0.92	1.09	9.78E-01	1.39E-01	0.454	1.01	0.90	1.13	8.84E-01	1.39E-01	0.454
1.07	0.99	1.16	1.07E-01	7.44E-01	0.000	1.13	1.00	1.29	5.87E-02	8.83E-01	0.000	1.13	1.00	1.29	5.87E-02	8.83E-01	0.000
1.01	0.95	1.07	8.34E-01	6.71E-01	0.000	1.04	0.95	1.13	3.90E-01	7.77E-01	0.000	1.04	0.95	1.13	3.90E-01	7.77E-01	0.000
0.97	0.91	1.03	3.06E-01	4.56E-01	0.000	0.95	0.86	1.06	3.65E-01	3.17E-01	0.149	0.95	0.85	1.07	4.22E-01	3.17E-01	0.149
0.92	0.80	1.04	1.80E-01	2.90E-01	0.195	0.99	0.84	1.17	9.21E-01	4.22E-01	0.000	0.99	0.84	1.17	9.21E-01	4.22E-01	0.000
1.10	1.04	1.16	1.65E-03	4.17E-01	0.000	1.04	0.96	1.13	3.07E-01	7.18E-01	0.000	1.04	0.96	1.13	3.07E-01	7.18E-01	0.000
1.04	0.95	1.14	4.10E-01	7.08E-01	0.000	1.12	0.96	1.30	1.54E-01	8.53E-01	0.000	1.12	0.96	1.30	1.54E-01	8.53E-01	0.000
0.95	0.89	1.02	1.76E-01	9.72E-01	0.000	0.96	0.85	1.08	5.18E-01	9.25E-01	0.000	0.96	0.85	1.08	5.18E-01	9.25E-01	0.000
1.05	0.97	1.15	2.38E-01	1.89E-01	0.349	1.04	0.95	1.14	4.13E-01	1.08E-01	0.506	1.06	0.93	1.22	3.74E-01	1.08E-01	0.506

[1] EA Effect allele.

[2] NEA Non effect allele.

+ Indicates analyses where a subset of samples with OA at the hip and the knee are also included in the arcOGEN discovery set and in the UK replication set.

p_q indicates the Cochran's heterogeneity statistic's p-value

i2 indicates the heterogeneity index I^2. The I^2 statistic represents the proportion of variation across studies that can be ascribed to heterogeneity.

ST6. Association summary statistics for the eight replicating signals in the analyses employing all OA cases.

						Discovery			Replication		Discovery and replication	
SNP	**Chr**	**Position**	**Nearest gene(s)**	**EA[1]**	**Stratum**	**EAF[2]**	**OR [95%CI]**	**P**	**OR [95%CI]**	**P**	**OR [95%CI]**	**P**
rs6976[3]	3	52703844	*GLT8D1*	T	All OA	0·38	1·14 [1·10-1·19]	$8{\cdot}34x10^{-10}$	1·05 [1·01-1·09]	$1{\cdot}75x10^{-02}$	1·09 [1·06-1·12]	$6{\cdot}56x10^{-09}$
rs11177[3]	3	52696345	*GNL3*	A	All OA	0·38	1·14 [1·10-1·19]	$6{\cdot}87x10^{-10}$	1·05 [1·01-1·09]	$1{\cdot}65x10^{-02}$	1·09 [1·06-1·12]	$5{\cdot}13x10^{-09}$
rs4836732	9	118306516	*ASTN2*	C	All OA	0·47	1·05 [1·01-1·10]	$2{\cdot}14x10^{-02}$	1·02 [0·98-1·07]	$2{\cdot}81x10^{-01}$	1·04 [1·01-1·07]	$1{\cdot}56x10^{-02}$
rs9350591	6	76298247	*FILIP1; SENP6*	T	All OA	0·11	1·10 [1·03-1·18]	$2{\cdot}75x10^{-03}$	1·07 [1·01-1·14]	$2{\cdot}07x10^{-02}$	1·09 [1·04-1·13]	$2{\cdot}78x10^{-04}$
rs10492367	12	27906237	*KLHDC5; PTHLH*	T	All OA	0·19	1·12 [1·06-1·18]	$1{\cdot}68x10^{-05}$	1·02 [0·97-1·07]	$4{\cdot}22x10^{-01}$	1·06 [1·03-1·10]	$9{\cdot}02x10^{-04}$
rs835487	12	103584897	*CHST11*	G	All OA	0·35	1·07 [1·02-1·12]	$3{\cdot}33x10^{-03}$	1·04 [1·00-1·08]	$4{\cdot}32x10^{-02}$	1·05 [1·02-1·08]	$6{\cdot}22x10^{-04}$
rs12107036	3	191082854	*TP63*	G	All OA	0·53	1·08 [1·04-1·13]	$2{\cdot}38x10^{-04}$	1·01 [0·98-1·05]	$4{\cdot}54x10^{-01}$	1·05 [1·02-1·08]	$2{\cdot}15x10^{-03}$
rs8044769	16	52396636	*FTO*	C	All OA	0·51	1·11 [1·06-1·16]	$1{\cdot}30x10^{-06}$	1·03 [0·99-1·07]	$1{\cdot}08x10^{-01}$	1·07 [1·04-1·10]	$3{\cdot}56x10^{-06}$
rs10948172	6	44885669	*SUPT3H; CDC5L*	G	All OA	0·29	1·10 [1·05-1·15]	$3{\cdot}31x10^{-05}$	1·06 [1·02-1·11]	$5{\cdot}87x10^{-03}$	1·08 [1·05-1·12]	$6{\cdot}14x10^{-07}$

[1]EA, Effect allele.
[2]EAF, Effect allele frequency in controls.
[3]Both SNPs represent the same signal, $r^2=1$.

ST7. Association summary statistics for the replicating signals in analyses employing all cases or TJR-only cases.

					TJR arcOGEN					all arcOGEN					TJR meta-analysis including arcOGEN					All meta-analysis including arcOGEN				
SNP	CHR	BP	EA1	Stratum	OR	OR_95L	OR_95U	p	N cases/controls	OR	OR_95L	OR_95U	p	N cases/controls	OR	OR_95L	OR_95U	p	N cases/controls	OR	OR_95L	OR_95U	p	N cases/controls
rs6976†	3	52703844	T	All	1·16	1·11	1·22	2·27E-10	5804/11009	1·14	1·10	1·19	8·34E-10	7410/11009	1·12	1·08	1·16	7·24E-11	9852/44815	1·09	1·06	1·12	6·56E-09	14883/53947
rs11177†	3	52696345	A	All	1·16	1·11	1·22	2·12E-10	5804/11009	1·14	1·10	1·19	6·87E-10	7410/11009	1·12	1·08	1·16	1·25E-10	9852/44815	1·09	1·06	1·12	5·13E-09	14883/53947
rs4836732	9	118306516	C	Hip female	1·19	1·10	1·28	1·19E-05	1769/5515	1·19	1·11	1·28	2·72E-06	1934/5515	1·20	1·13	1·27	6·11E-10	3145/23058	1·16	1·10	1·22	1·24E-08	4528/28031
rs9350591	6	76298247	T	Hip**	1·20	1·11	1·31	1·94E-05	3039/11009	1·20	1·11	1·30	2·49E-06	3912/11009	1·18	1·11	1·26	1·59E-07	5673/44815	1·18	1·12	1·25	2·42E-09	7714/53947
rs10492367	12	27906237	T	Hip	1·19	1·11	1·28	7·00E-07	3039/11009	1·18	1·11	1·27	1·20E-06	3266/11009	1·16	1·10	1·22	1·61E-08	5429/44815	1·14	1·09	1·20	1·48E-08	6861/53947
rs835487	12	103584897	G	Hip	1·15	1·08	1·22	3·26E-06	3039/11009	1·14	1·08	1·21	7·95E-06	3266/11009	1·13	1·09	1·18	1·64E-08	5429/44815	1·11	1·06	1·15	2·79E-07	6861/53947
rs12107036	3	191082854	G	Knee female	1·23	1·13	1·35	3·03E-06	1217/5515	1·18	1·10	1·26	6·94E-06	2135/5515	1·21	1·13	1·29	6·71E-08	2151/23058	1·10	1·05	1·15	1·20E-04	4961/28031
rs8044769	16	52396636	C	Female	1·17	1·10	1·24	7·09E-07	3363/5515	1·17	1·10	1·23	5·98E-08	4476/5515	1·14	1·08	1·19	1·12E-07	5725/28031	1·11	1·07	1·15	6·85E-08	9266/28031
rs10948172	6	44885669	G	Male	1·17	1·09	1·26	1·51E-05	2441/5494	1·17	1·10	1·26	5·02E-06	2934/5494	1·15	1·09	1·22	1·97E-07	4127/21757	1·14	1·09	1·20	7·92E-08	5518/24066

[1]EA, Effect allele.

† Both SNPs represent the same signal, r^2=1.

** Indicates analyses where samples with OA at the hip and the knee are also included in the arcOGEN discovery set and in the UK replication set.

ST8. Allele frequencies and association summary statistics for previously established OA loci.

	Type of study	Ethnicity	EA[1]	EAF[2] cases	EAF controls	Freq HapMap	P	OR [95% CI]
rs143383								
Miyamoto hip OA v. controls	Discovery	Japanese	T	0·811	0·73	0·756	0·002	1·59 [1·18-2·15]
Miyamoto hip OA v. controls	Discovery and replication	Japanese	T	0·836	0·74	0·756	$2x10^{-13}$	1·79 [1·53-2·09]
Miyamoto knee OA v. controls	Discovery	Japanese	T	0·788	0·741	0·756	0·002	1·30 [1·10-1·53]
Miyamoto knee OA v. controls	Discovery	Chinese	T	0·784	0·702	0·779	$3x10^{-04}$	1·54 [1·22-1·95]
Evangelou hip OA v. controls	Meta-analysis	European	A	N/A	N/A	0·667	0·034	1·07 [1·01-1·14]
Evangelou knee OA v. controls	Meta-analysis	European	A	N/A	N/A	0·667	$9x10^{-05}$	1·13 [1·06-1·20]
Valdes knee OA v. controls	Meta-analysis	European and Asian	T	N/A	N/A	N/A	$6x10^{-11}$	1·17 [1·12-1·23]
Valdes knee OA v. controls	Meta-analysis	European	T	N/A	N/A	0·667	$1x10^{-08}$	1·16 [1·10-1·22]
rs4911494 (r^2=0.93 with rs143383)								
All OA v. population-based controls	Discovery	European	A	0·635	0·634	0·650	0·742	1·01 [0·96-1·05]
Hip OA v. population-based controls	Discovery	European	A	0·635	0·634	0·650	0·918	1·00 [0·95-1·06]
Knee OA v. population-based controls	Discovery	European	A	0·636	0·634	0·650	0·726	1·01 [0·96-1·07]
Female OA v. female TwinsUK controls	Discovery	European	A	0·638	0·617	0·650	0·027	1·09 [1·01-1·18]
Hip female OA v. female TwinsUK controls	Discovery	European	A	0·634	0·617	0·650	0·131	1·07 [0·98-1·18]
Knee female OA v. TwinsUK	Discovery	European	A	0·640	0·617	0·650	0·039	1·10 [1·01-1·21]
rs3815148								
Kerkhof hip female OA v. controls	Discovery	European	C	N/A	N/A	0·233	0·810	1·03
Kerkhof knee female OA v. controls	Discovery	European	C	N/A	N/A	0·233	$7x10^{-05}$	1·42
Kerkhof knee female and/or hand OA v. controls	Discovery	European	C	N/A	N/A	0·233	$7x10^{-05}$	1·32 [1·15-1·51]
Kerkhof knee and/or hand OA v. controls	Meta-analysis	European	C	N/A	N/A	0·233	$8x10^{-08}$	1·14 [1·09-1·19]
All OA v. population-based controls	Discovery	European	C	0·235	0·228	0·233	0·098	1·04 [0·99-1·10]
Hip OA v. population-based controls	Discovery	European	C	0·228	0·228	0·233	0·987	1·00 [0·94-1·07]
Knee OA v. population-based controls	Discovery	European	C	0·247	0·228	0·233	$6x10^{-04}$	1·12 [1·05-1·19]
Female OA v. female TwinsUK controls	Discovery	European	C	0·235	0·216	0·233	0·022	1·12 [1·02-1·22]
Hip female OA v. female TwinsUK controls	Discovery	European	C	0·226	0·216	0·233	0·277	1·06 [0·95-1·19]
Knee female OA v. female TwinsUK controls	Discovery	European	C	0·246	0·216	0·233	0·002	1·19 [1·07-1·32]
rs11842874								

Day-Williams knee and/or hip OA v. controls	Discovery	European	A	0·940	0·920	0·946	$1{\cdot}67x10^{-05}$	1·32 [1·16-1·50]
Day-Williams knee and/or hip OA v. controls	Meta-analysis	European	A	0·933	0·921	0·946	$2{\cdot}07x10^{-08}$	1·17 [1·11-1·23]
All OA v. population-based controls	Discovery	European	A	0·933	0·925	0·946	$2{\cdot}45x10^{-03}$	1·13 [1·05-1·23]
Hip OA v. population-based controls	Discovery	European	A	0·931	0·925	0·946	0·079	1·10 [0·99-1·23]
Knee OA v. population-based controls	Discovery	European	A	0·935	0·925	0·946	$4{\cdot}52x10^{-03}$	1·16 [1·04-1·30]
Female OA v. female TwinsUK controls	Discovery	European	A	0·936	0·930	0·946	0·186	1·11 [0·95-1·29]
Hip female OA v. female TwinsUK controls	Discovery	European	A	0·937	0·930	0·946	0·236	1·12 [0·93-1·34]
Knee female OA v. female TwinsUK controls	Discovery	European	A	0·937	0·930	0·946	0·226	1·12 [0·94-1·33]

[1]EA Effect allele.
[2]EAF Effect allele frequency.

ST9. Association summary statistics for the replicating signals in analyses employing population-based controls or OA-free controls in the discovery set.

			Cases v. population-based controls			Female cases v. female OA-free controls		
SNP	**EA[1]**	**Stratum**	**OR [95%CI]**	**P**	**N cases/controls**	**OR [95%CI]**	**P**	**N cases/controls**
rs6976	T	TJR	1·16 [1·11-1·22]	$2{\cdot}3x10^{-10}$	5804/11009	1·14 [1·05-1·23]	$2{\cdot}5x10^{-03}$	3363/1828
rs4836732	C	THR	1·13 [1·07-1·20]	$2{\cdot}3x10^{-05}$	3039/11009	1·19 [1·08-1·30]	$3{\cdot}5x10^{-04}$	1769/1828
rs9350591	T	Hip**	1·20 [1·11-1·30]	$2{\cdot}5x10^{-06}$	3912/11009	1·22 [1·07-1·39]	$3{\cdot}8x10^{-03}$	2341/1828
rs10492367	T	Hip	1·18 [1·11-1·27]	$1{\cdot}2x10^{-06}$	3266/11009	1·31 [1·16-1·47]	$5{\cdot}8x10^{-06}$	1934/1828
rs835487	G	THR	1·15 [1·08-1·22]	$3{\cdot}3x10^{-06}$	3039/11009	1·14 [1·03-1·25]	$8{\cdot}9x10^{-03}$	1769/1828
rs12107036	G	TKR	1·11 [1·04-1·19]	$1{\cdot}2x10^{-03}$	2164/11009	1·17 [1·05-1·29]	$3{\cdot}4x10^{-03}$	1217/1828
rs8044769	C	All	1·11 [1·06-1·16]	$1{\cdot}3x10^{-06}$	7410/11009	1·15 [1·06-1·24]	$4{\cdot}3x10^{-04}$	4476/1828
rs10948172	G	All	1·10 [1·05-1·15]	$3{\cdot}3x10^{-05}$	7410/11009	1·03 [0·95-1·12]	$4{\cdot}9x10^{-01}$	4476/1828

[1]EA, Effect allele.
** Indicates analyses where a subset of samples with OA at the hip and the knee are also included in the arcOGEN discovery set and in the UK replication set.

ST10. Association summary statistics for the replicating signals in meta-analyses including all controls or OA-free controls only.

						Meta-analysis including all controls			Meta-analysis including OA-free controls		
SNP	**Chr**	**Position**	**Nearest gene(s)**	**EA[1]**	**Stratum**	**OR [95%CI]**	**P**	**N cases/controls**	**OR [95%CI]**	**P**	**N cases/controls**
rs6976[2]	3	52703844	*GLT8D1*	T	TJR	1·12 [1·08-1·16]	$7{\cdot}24x10^{-11}$	9852/44815	1·10 [1·04-1·16]	$2{\cdot}90x10^{-04}$	5394/33315
rs11177[2]	3	52696345	*GNL3*	A	TJR	1·12 [1·08-1·16]	$1{\cdot}25x10^{-10}$	9852/44815	1·10 [1·05-1·16]	$1{\cdot}60x10^{-04}$	5394/33315
rs4836732	9	118306516	*ASTN2*	C	THR-female	1·20 [1·13-1·27]	$6{\cdot}11x10^{-10}$	3145/23058	1·19 [1·11-1·28]	$4{\cdot}39x10^{-07}$	2540/19037
rs9350591	6	76298247	*FILIP1; SENP6*	T	Hip**	1·18 [1·12-1·25]	$2{\cdot}42x10^{-09}$	7714/53947	1·16 [1·07-1·25]	$1{\cdot}60x10^{-04}$	4734/38246
rs10492367	12	27906237	*KLHDC5; PTHLH*	T	Hip	1·14 [1·09-1·20]	$1{\cdot}48x10^{-08}$	6861/53947	1·12 [1·05-1·19]	$5{\cdot}03x10^{-04}$	4327/38246
rs835487	12	103584897	*CHST11*	G	THR	1·13 [1·09-1·18]	$1{\cdot}64x10^{-08}$	5429/44815	1·15 [1·08-1·22]	$5{\cdot}44x10^{-06}$	3164/ 33315
rs12107036	3	191082854	*TP63*	G	TKR-female	1·21 [1·13-1·29]	$6{\cdot}71x10^{-08}$	2151/23058	1·14 [1·06-1·24]	$1{\cdot}01x10^{-03}$	1702/ 19037
rs8044769	16	52396636	*FTO*	C	Female	1·11 [1·07-1·15]	$6{\cdot}85x10^{-08}$	9266/28031	1·11 [1·06-1·16]	$1{\cdot}14x10^{-05}$	7484/ 21659
rs10948172	6	44885669	*SUPT3H; CDC5L*	G	Male	1·14 [1·09-1·20]	$7{\cdot}92x10^{-08}$	5518/24066	1·09 [1·00-1·18]	$4{\cdot}37x10^{-02}$	1628/ 16587

[1]EA, Effect allele.
[2]Both SNPs represent the same signal, $r^2=1$.
**Indicates analyses where a subset of samples with OA at the hip and the knee are also included in the arcOGEN discovery set and in the UK replication set.

ST11. Association p-values before and after BMI adjustment for the 129 prioritized SNPs.

Chr	SNP	Position	P_unadjusted	P_BMI_adjusted
1	rs1854169	102046864	0·1304	0·203
1	rs1417066	217740451	0·05318	0·1015
1	rs1629896	223752551	0·4974	0·5562
1	rs987179	242876559	0·02743	0·1414
2	rs1024816	37454712	0·004964	0·007703
2	rs3791679	55950396	0·868	0·8224
2	rs10779958	74609286	0·03986	0·3123
2	rs6754683	108522707	0·4807	0·4278
2	rs4622728	125523313	0·02417	0·232
2	rs1432237	137524977	0·933	0·8576
2	rs12618428	151441225	0·4088	0·617
2	rs6716254	175250720	0·01225	0·01121
3	rs6793234	8801396	0·6399	0·8961
3	rs11177	52696345	0·01815	0·01162
3	rs6976	52703844	0·01876	0·01185
3	rs10510816	59630570	0·01787	0·01275
3	rs1355782	132970356	0·05988	0·06085
3	rs16851066	142325511	0·04054	0·06121
3	rs9867979*	166345704	0·000007714	0·0001797
3	rs12107036	191082854	0·004629	0·008156
4	rs16837352	5555175	0·05	0·02485
4	rs17578878	37577120	0·02794	0·02284
4	rs11725992	48082608	0·4048	0·6794
4	rs6842739*	60172105	0·00007574	0·0000738
4	rs2626053*	96474111	0·00001253	0·001522
4	rs2636726*	106528673	0·00005061	0·0002791
4	rs12500935	114760230	0·2216	0·3102
4	rs1566347	186969560	0·5776	0·546
5	rs4957048	636442	0·8404	0·8016
5	rs1083523*	66314669	0·00001819	0·0002898
5	rs2610424	71292415	0·005757	0·01183
5	rs457008	81110411	0·3066	0·2176
5	rs10036746	91780688	0·7919	0·5747
5	rs11135394*	93212891	4·841E-07	0·00000169
5	rs12515798*	134333096	0·0000109	0·0001752
5	rs10515550	144792886	0·6042	0·3032
5	rs13167773	148567182	0·00008868	0·0000545
5	rs10051783	167755230	0·0004402	0·0009038
6	rs10948172	44885669	0·8535	0·6911
6	rs9350591	76298247	0·01322	0·02511
6	rs569731*	76414313	0·0008494	0·0001632
6	rs10943837	82727239	0·003018	0·008799
6	rs2493984	95440213	0·006584	0·005263
6	rs7755798	109743847	0·01978	0·03172
6	rs2027532	112741889	0·1551	0·1733
6	rs6931833	114078284	0·8543	0·8936
7	rs17627827	16731521	0·5464	0·4206
7	rs6461679	22976588	0·0006546	0·001775

7	rs7785659	32427540	0·1505	0·353
7	rs7805536	32540095	0·1665	0·1955
7	rs1859572	76870933	0·2269	0·5753
7	rs6466265	77998184	0·0002065	0·001685
7	rs1488517*	95446689	0·00008932	0·00345
7	rs2966417	109944782	0·0006126	0·004868
8	rs4841020	8638760	0·03563	0·01004
8	rs1876836	8719166	0·1023	0·1061
8	rs4841067	8784655	0·02033	0·00298
8	rs609792	9857300	0·007901	0·006625
8	rs6997710	10247861	0·03274	0·03251
8	rs1421259	15607043	0·02156	0·04276
8	rs2979715*	80724814	1·464E-08	4·27E-08
8	rs2467753*	80759808	0·000001013	0·00000147
8	rs2289496	98357340	0·4036	0·2598
8	rs16870112	104191422	0·1047	0·1939
8	rs10956114*	124156008	0·000006739	0·00000354
8	rs4072286	142805713	0·01148	0·0165
9	rs2146423	4647040	0·001239	0·0002433
9	rs945442	18917768	0·005024	0·002601
9	rs3780296	79327254	0·5945	0·934
9	rs4072357*	89688030	0·000005694	0·0000292
9	rs4836732	118306516	0·00000692	0·00000288
9	rs719535*	118516091	0·00002235	0·0000401
9	rs2900277	131434091	0·002476	0·01879
10	rs2474714*	33535989	0·0008353	0·001965
10	rs9299558	56603927	0·228	0·3012
10	rs1250552*	80728033	0·000002497	0·0001308
10	rs787640	95114663	0·02506	0·04294
10	rs11188412	97391986	0·06331	0·1534
11	rs4757420	12371653	0·5509	0·8094
11	rs7119797	61922811	0·01811	0·008324
11	rs17159801	82496946	0·001266	0·0005232
11	rs2691829	90240224	0·5601	0·3535
11	rs6589848	120229228	0·001544	0·005266
11	rs7941193	125876053	0·0004613	0·002248
11	rs7122854	132673733	0·09471	0·06992
12	rs7305794	24860894	0·01265	0·05208
12	rs10492367	27906237	0·00002596	0·0000123
12	rs6487684	28534480	0·00001242	0·0000223
12	rs1034762	46675910	0·8002	0·9124
12	rs11107957*	76956186	0·000003129	0·0004511
12	rs1404866	83888610	0·0003551	0·0001185
12	rs11107219*	92770487	0·000005263	0·0000545
12	rs835487	103584897	0·008516	0·01282
12	rs11064722	118157566	0·7795	0·7302
13	rs4544137*	67072419	0·00001705	0·0001463
13	rs7994526*	67263831	0·00002614	0·0004633
13	rs2036717*	75645031	0·000476	0·0006804
13	rs9520058	105855421	0·02588	0·09082

14	rs8015303*	34316223	0·0001215	0·00000176
14	rs1627411*	42241078	0·00002329	0·0000378
14	rs7155791	49487980	0·0881	0·4414
14	rs1998094*	51653209	0·00003446	0·00000214
14	rs10144429*	77722272	0·00000357	0·0001263
15	rs11634255	30874764	0·688	0·9063
15	rs4646626	56043419	0·2945	0·3997
15	rs8032755	91403060	0·0461	0·04206
16	rs2908646	4971845	0·178	0·328
16	rs12596722	9324789	0·0001885	0·001024
16	rs12923310	9695438	0·437	0·2658
16	rs8044769	52396636	0·004069	0·1706
16	rs9937815	54888333	0·6869	0·61
16	rs7404629	64970230	0·05379	0·04675
16	rs16947129*	76709247	0·000001504	0·0000114
17	rs4078062	16919559	0·4242	0·2574
17	rs8080960	67298538	0·00114	0·0000718
18	rs11665347	10468812	0·02049	0·02802
18	rs12454396*	62299667	0·00004345	0·0000237
18	rs17089382	70369681	0·01933	0·009003
19	rs12974139	2135005	0·2036	0·2152
19	rs1610093*	4505774	0·000002781	0·000031
19	rs10426443	8017982	0·004553	0·005486
19	rs10426377	53784046	0·008796	0·01162
20	rs1360400	22909890	0·002412	0·0004732
20	rs172981*	40543116	0·000006284	0·000077
20	rs17785895	47866466	0·3062	0·1136
20	rs4925370	60300986	0·7025	0·9269
22	rs3747081	19682120	0·2335	0·3887
22	rs7287616	22259852	0·1077	0·04072
22	rs5762347	26489672	0·752	0·9592

* Signals prioritised from the OA vs TwinsUK analyses.

ST12. Expression in joint tissues, assessed by reverse-transcription PCR. NOF cartilage was collected from patients undergoing surgery for a neck-of-femur fracture.

Chr	Gene	Tissue							
		OA cartilage	NOF cartilage	Tendon	Ligament	Meniscus	Synovium	Fat pad	Osteophyte
3p21.1	*STAB1*	X[1]	X	Y[2]	Y	Y	Y	Y	Y
	NT5DC2	Y	Y	Y	Y	Y	Y	Y	Y
	PBRM1	Y	Y	Y	Y	Y	Y	Y	Y
	GNL3	Y	Y	Y	Y	Y	Y	Y	Y
	GLT8D1	Y	Y	Y	Y	Y	Y	Y	Y
	SPCS1	Y	Y	Y	Y	Y	Y	Y	Y
	NEK4	X	X	Y	Y	Y	Y	Y	Y
	ITIH1	X	X	Y	X	Y	Y	X	X
	ITIH3	X	X	Y	Y	Y	Y	Y	Y
	ITIH4	X	X	Y	Y	Y	Y	Y	Y
	MUSTN1	Y	Y	Y	Y	Y	Y	Y	Y
	TMEM110	Y	Y	Y	Y	Y	Y	Y	Y
3q28	*TP63*	X	X	Y	X	X	X	Y	Y
6p21.1	*SUPT3H*	Y	Y	Y	Y	Y	Y	Y	Y
	RUNX2	Y	Y	Y	Y	Y	Y	Y	Y
6q13-q14.1	*COL12A1*	Y	Y	Y	Y	Y	Y	Y	Y
	COX7A2	Y	X	Y	Y	Y	Y	Y	Y
	TMEM30A	Y	Y	Y	Y	Y	Y	Y	Y
	FILIP1	Y	Y	Y	Y	Y	Y	Y	Y
	SENP6	Y	Y	Y	Y	Y	Y	Y	Y
	MYO6	Y	Y	Y	Y	Y	Y	Y	Y
	IMPG1[3]								
9q33.1	*PAPPA*	Y	Y	Y	X	Y	Y	Y	Y
	ASTN2	X	Y	Y	Y	Y	Y	Y	Y
	TRIM32	Y	Y	Y	Y	Y	Y	Y	Y
12p11.22	*KLHDC5*	Y	Y	Y	Y	Y	Y	Y	Y
	PTHLH	Y	Y	Y	Y	Y	Y	Y	Y
12q23.3	*CHST11*	Y	Y	Y	Y	Y	Y	Y	Y
16q12.2	*FTO*	Y	Y	Y	Y	Y	Y	Y	Y

[1] X, gene is not expressed; where a gene is marked as not showing expression in a particular tissue, this is the result of studying at least three independent tissue samples for that gene.
[2] Y, gene is expressed.
[3] Amplification not possible in our study.

ST13. Oligonucleotide primers used to assess expression of the genes in joint tissue RNA.

Chr	Gene	Forward primer (5'-3')	Location	Reverse primer (5'-3')	Location	PCR product size (bp)
3p21·1	*STAB1*	cctggcaggcttcagcttcg	Exon 1	cggcagtcctgggttatctg	Exon 2	168
	NT5DC2	gaaaactcgatgagaagggc	Exon 10	ccagatcactatagaggtgg	Exon 11	159
	PBRM1	taggagttgtcggaataacc	Exon 10	agaactcgcttgtagatggc	Exon 11	243
	GNL3	gcatgacctgccataagcgg	Exon 2	gcctgtcaagtttctgctgc	Exon 4	208
	GLT8D1	atcttggtcctggctgttgc	Exon 4	gcgagtgttgtgctgaatgc	Exon 5	249
	SPCS1	gccagaagctagctgaacag	Exon 2	attcttgaacaggtaaccac	Exon 4	201
	NEK4	acagtggtttctggagaggc	Exon 6	taagatgtcaatatttacgc	Exon 7	234
	ITIH1	tgccacggactttcagttgg	Exon 19	caaaggtgccaccgtcgtcc	Exon 20	173
	ITIH3	tgtataacctgggctttggc	Exon 11	agccatcgtagaagtgctgg	Exon 12	231
	ITIH4	cccaagcaatgccgtggagg	Exon 11	gcctctccatgaagttgtgg	Exon 12	233
	MUSTN1	cgccttcagagacccagcgc	Exon 1	ctctcgcatgacctggtagg	Exon 2	174
	TMEM110	tttgcaaatgtatacctagc	Exon 3	agcgcagggactcccactgc	Exon 4	160
3q28	*TP63*	tgtccttccagcagtcgagc	Exon 4	tcaccacctccgtgacgtgc	Exon 5	189
6p21·1	*SUPT3H*	gcagcctgtggtgttgaggc	Exon 9	aagccatcccattcctgcgg	Exon 10	133
	RUNX2	catcccagtatgagagtagg	Exon 6	cgtcatctggctcaggtagg	Exon 7	174
6q13-q14·1	*COL12A1*	ggtgctgcagggattgaagg	Exon 13	ccgcgaaccattcctggagc	Exon 14	198
	COX7A2	gcatacgcaagactcggagg	Exon 2	ggaagcagtgcttatcgtcc	Exon 3	154
	TMEM30A	ttctatcaaaaccatcgtcg	Exon 3	atgctgttggcaatagctcc	Exon 4	155
	FILIP1	cgtatacgagttagagaacg	Exon 4	tctcttagtttattgagtcg	Exon 5	177
	SENP6	agaatacccacctcatgtcc	Exon 7	tcctcttaatttcaggctcc	Exon 8	128
	MYO6	agtgtttcctgcagaagagg	Exon 3	tcaaagtatggattcactgc	Exon 5	165
	IMPG1[1]					
9q33·1	*PAPPA*	gccatgttgacctccactgc	Exon 7	tagttatgacccaatactgg	Exon 8	178
	ASTN2	gagccccacaccagtgctgc	Exon 16	ggcgctgaggtcacacctgc	Exon 17	166
	TRIM32	tgccggcggtggactcgtcgg	5' UTR	cttcccggagggcatccagg	Exon 2	164
12p11·22	*KLHDC5*	tcattggaggatacactacc	Exon 2	gtcctcgctctggctgctcc	Exon 3	200
	PTHLH	tcgcggtgttcctgctgagc	Exon 3	agatggtgaaggaagaatcg	Exon 4	157
12q23·3	*CHST11*	ggaatccctttggtgtggac	Exon 3	cagtagatgagctcgtggtcc	Exon 4	235
16q12·2	*FTO*	gactgccatccttgcctcgc	Exon 8	gtcaaacggcagaggcatcg	Exon 9	160

[1] Amplification not possible in our study.