Supplementary Material

Study sample

The vervets used in this study are part of a pedigreed research colony that has included more than 2,000 monkeys since its founding. Briefly, the Vervet Research Colony (VRC) was established at UCLA during the 1970's and 1980's from 57 founder animals captured from wild populations on the adjacent Caribbean islands of St. Kitts and Nevis; Europeans brought the founders of these populations to the Caribbean from West Africa in the 17th Century [1]. The breeding strategy of the VRC has emphasized the promotion of diversity, the preservation of the founding matrilines, and providing all females and most of the males an opportunity to breed. The colony design modeled natural vervet social groups to facilitate behavioral investigations in semi-natural conditions. Social groups were housed in large outdoor enclosures with adjacent indoor shelters. Each enclosure had chain link siding that provided visual access to the outside, with one or two large sitting platforms and numerous shelves, climbing structures and enrichments devices. The monkeys studied were members of 16 different social matrilineal groups, containing from 15 to 46 members per group. In 2008 the VRC was moved to Wake Forest School of Medicine's Center for Comparative Medicine Research, however the samples for gene expression measurements in Dataset 1 (see below) and the MRI assessments used in this study occurred when the colony was at UCLA.

Gene expression phenotypes

Two sets of gene expression measurements were collected. Dataset 1 used RNA obtained from whole blood in 347 vervets, assayed by microarray (Illumina HumanRef-8 v2); Dataset 2 assayed gene expression by RNA-Seq, in RNA obtained from 58 animals, with seven tissues (adrenal, blood, Brodmann area 46 [BA46], caudate, fibroblast, hippocampus and pituitary) measured in each animal.

Dataset 1: Microarray (blood)

The microarray data set has been described in Jasinska et al. [2] and is available at NCBI at the BioProject PRJNA115831. Briefly, Total RNA from whole blood preserved in PaxGene RNA Blood tubes (PreAnalyticX) was extracted using PAXgene Blood RNA Kit (PreAnalyticX). The integrity of the extracted total RNA samples was assessed on the Agilent 2100 Bioanalyzer (Agilent Technologies) with the RNA 6000 Nano Assay Kit (Agilent Technologies), and sample concentrations were quantified with RiboGreen RNA (Invitrogen).

For assessing transcript levels, we used the Illumina HumanRef-8 v2 chip. This chip provides genome-wide transcriptional coverage of well-characterized genes and splice variants. This chip uses 22,184 probes representing 18,189 unique human genes (or 20,424 unique transcripts) from Reference Sequence (RefSeq) database1, Release 17. The Illumina gene expression platform utilizes 50-mer gene-specific probes that provide both good selectivity and sensitivity [3]. We expected that the long probes would also tolerate sequence incompatibilities between human probe sequence and vervet target transcripts and be more robust than shorter probes to possible allelo-specific differences in hybridization efficiency due to vervet-specific SNP variants occurring in probe-interaction sites [4].

cDNA was synthesized and *in vitro* transcribed into biotinylated cRNA using the Illumina Totalprep RNA amplification kit, following the manufacturer's instructions (Ambion). Labeled cRNA was hybridized to the HumanRef-8 version 2 (Illumina) gene expression bead-chip. A gene was called detectable by BeadStudio when the detection p-value was <0.01. The gene expression module of the BeadStudio software version 3.1 (Illumina) was used for initial data processing and background correction. Lumi software was also used to perform a variance-stabilizing transformation that takes advantage of the technical replicates available on every Illumina microarray (usually over 30 randomly distributed beads per probe), and subsequently performs robust spline normalization and quality control of gene expression measures [5].

<u>Probe filtering for eQTL analysis:</u> The probes on the Illumina HumanRef-8 v2 microarray were originally developed for assaying gene expression in humans. We selected probes that were compatible with vervet genomic sequence based on the following criteria: contain no indels, up a total of five mismatches in a probe, with maximum of one mismatch in the 16 nt central portion of the probe). To prevent expression measurement-bias due to SNP interference with the hybridization process, we excluded probes targeting sequences with high-quality common SNPs identified in the VRC pedigree. For this filtering step, we used a set of 3.45 Mln high-quality SNPs segregating in the VRC with MAF>=10%. A total of 11,001 probes passed these filters (Supplementary Data 1). We then evaluated the detection levels of each probe in all animals, and retained for analysis 6,018 probes that were detected with Illumina p<0.05 in at least 5% of animals.

<u>Dataset 2: RNA-Seq (seven tissues)</u>

Below we describe sample collection and processing, and determination of expression counts for the RNA-Seq gene expression dataset.

<u>Tissue collection for RNA:</u> Tissues were obtained from 60 vervets during experimental necropsies. The vervets represented a range of developmental stages from neonates (7 days), infants (90 days and one year), young juveniles (1.25, 1.5, 1.75, 2 years old), peri-adolescents or subadults (2.5, 3 years old) to adults (4+ years old) with 6 vervets (3 males and 3 females) from each developmental time point. Two animals (a 1.75 year old female and a 7 day old male) were excluded for the eQTL study as they did not have WGS data, leaving a total of 58 monkeys with RNA-Seq and whole genome sequencing (WGS) data for eQTL analysis. Two samples (from caudate and BA46) from individual 2008147 were excluded after the PCA analysis suggested a sample mix-up between tissues.

Vervets were anesthetized with 10-15 mg/kg of ketamine administered intramuscularly followed by pentobarbital 100 mg/kg administered intravenously. After animals reached a deep plane of anesthesia, the abdominal and thoracic cavities were opened and the vasculature was perfused with normal saline chilled to 4° C administered via the left cardiac ventricle until perfusate escaping through a cut in the inferior vena cava became blood free. After exsanguination, the head was then disarticulated and the top of the cranium removed using Ronjeurs to chip off small bone pieces. Keeping the Ronjeurs superficial to the dura, bone was first removed at the base of the skull, proceeding anteriorly just above the ear canal and across the brow ridge to fully encircle the entire head. The dura was then cut with scissors, and the top of the skull was removed with Ronjeurs. Scissors were used to cut cranial nerves II-XII to free the brain, keeping the olfactory nerve and olfactory bulb together with the brain when possible. After removal, the brain was weighed, and then hemisected with a scalpel. The right hemisphere was preserved in 10% neutral buffered formalin and the left hemisphere was dissected. Brain tissues were generally collected within 60-70 minutes of removal of the brain from the skull. All brain samples were placed immediately in RNAlater and refrigerated for 24 hours. The RNAlater was then removed and the tissue frozen at -80° C or below.

For 14 necropsies performed after August 4, 2010, the necropsy protocol was modified as follows: 1) 100% oxygen was delivered to the animal by face mask starting before pentobarbital administration and continuing until initiation of saline perfusion; 2) the animal was placed on a bed of ice prior to pentobarbital administration (but after ketamine administration) to accelerate cooling of tissues; 3) dissection protocols were streamlined to minimize the time elapsed between pentobarbital administration and removal of the brain from the skull and to minimize the time elapsed to the completion of brain dissection.

During necropsies of 30 vervets whose brain tissues were used in this study, a fresh frozen sample of occipital lobe was collected near the end of the dissection procedure to allow tissue pH to be measured. pH was measured in occipital lobe specimens as described by Harrison et al.[6]. pH ranged from 5.98 to 6.98 (mean pH 6.6, SD 0.2). These data were used to assess the potential effect of brain pH on gene expression PC patterns (see Possible Technical and Biological Covariates).

<u>BA46:</u> The samples were collected from both banks of the principal sulcus, bluntly dissecting downward with forceps inserted at the upper margin of each bank to free tissue to the floor of the principal sulcus. The midpoint of the principal sulcus along its length was used as the posterior margin for the collected samples, which extended anteriorly for the length of the sulcus. The samples collected from the two sulcal banks were pooled at the time of dissection and processed as a single sample.

<u>Caudate:</u> From the medial surface of the hemisected brain, forceps were inserted into the lateral ventricle and used to remove the overlying tissue, exposing the caudate. A coronally oriented cut was then made through the head of the caudate, and caudate tissue was pinched from the portion of the brain anterior to this cut using forceps.

<u>Hippocampus:</u> To obtain the hippocampal sample, a coronally oriented cut was made with a scalpel through the occipital pole, passing through the head and body of the hippocampus. Blunt dissection with forceps was used to isolate the hippocampus from surrounding tissue, extending approximately 2-3 mm into the exposed tissue face.

RNA collection: The following tissue preservation methods were used during the collection to maintain sample quality. Whole blood was drawn into PAXgene RNA Blood Tubes (PreAnalyticX) with reagent instantly stabilizing RNA profiles. Solid tissues were preserved in RNAlater reagent (Ambion) immediately after collection, protecting the integrity of RNA profiles.

To establish fibroblast cultures, skin biopsies were collected from shaved and cleaned skin from an area of the middle of the thigh (outer side) using a skin punch, after ketamine anesthesia but prior to euthanasia. Biopsies were placed in cell culture medium (79% Minimum Essential Media, CORNING Cellgro, 20% Fetal Bovine Serum, CORNING Cellgro, 1% Antibiotic-Antimycotic, Gibco) and shipped to UCLA at ambient temperature until the next day when the cultures were started from skin explants. Cell pellets from fibroblast cultures in the second passage were collected into Triazol reagent (Qiagen), immediately stabilizing RNA.

The following methods were used for RNA extraction for seven tissues used in this study, three brain tissues (BA46, caudate, and hippocampus), two endocrine tissues (adrenal and pituitary) and two peripheral tissues (blood and fibroblasts): PaxGene RNA Kit (Qiagen) for blood, miRNease (Qiagen) for fibroblast, PerfectPure RNA (5PRIME) or miRNeasy (Qiagen) for adrenal, BA46, caudate, hippocampus, and pituitary. RNA integrity was assessed via measuring RIN scores on either Bioanalyzer 2100 (Agilent) or 2200 TapeStation (Agilent), and RNA yield was determined with RiboGreen RNA (Invitrogen). RIN score values for each sample type were: 9.6 (SD=0.54) in cultured skin fibroblasts, 7.98 (SD=0.99) in blood, 8.22 (SD=0.54) in adrenal cortex, 8.05 (SD=0.61) in pituitary, 6.35 (SD=0.7) in caudate, 6.35 (SD=0.7) for hippocampus, and 6.04 (SD=0.5) in BA46.

RNA sequencing (RNA-Seq): We conducted RNA-Seq across the seven tissues, as follows:

From purified RNA, we created two types of cDNA libraries. For fibroblasts, adrenal and pituitary, we used poly-A RNA cDNA libraries, since that was the only protocol available at that time when we started working with these tissues. For BA46, blood, caudate, and hippocampus, we used more recently available total RNA cDNA libraries that allowed us to obtain data not only in polyadeneylated transcripts but also non-coding RNAs. For all samples, for each tissue, only one type of library was created. For these library preps we used either the TruSeq RNA SamplePrep v2 kit (Illumina, http://support.illumina.com/content/dam/illumina-support/documents/documentation/chemistry_documentation/samplepreps_truseq/truseqrna/truseq-rna-sample-prep-v2-guide-15026495-f.pdf) or this same kit mated to the standalone RiboZero Gold rRNA reduction kit (Epicentre, http://www.epibio.com/docs/default-source/protocols/ribo-zero-magnetic-gold-kit-(human-mouse-rat).pdf?sfvrsn=16). The preps that used poly-A selection used the standard TruSeq RNA SamplePrep protocol without changes. The preps that used RiboZero followed the stand-alone RiboZero protocol with a final cleanup with Ampure RNAClean XP beads (Appendix A). rRNA reduced RNA samples were eluted off of the Ampure beads in 11 ul resuspension buffer and 8.5 ul of the eluted product was combined with 8.5 ul of 2x EPF buffer. At this point the samples were subjected to the TruSeq RNA SamplePrep v2 protocol at the "Incubate RFP" step, which was completed with no further changes.

To minimize lane effects, we multiplexed libraries into pools, where each library is indexed with a unique tag; we then split each pool between different sequencing lanes to generate technical replicates. Each pool was run in a minimum of three lanes on an Illumina HiSeq2500 HiSeq 4000 instrument. We generated paired end 100 bp reads, and paired and 120 bp reads from the project. On average, 56.6 Mln reads per sample were generated (Supplementary Table 20). The RNA-Seq reads data were made available through NCBI as BioProject PRJNA219198.

<u>Determination of gene expression based on RNA-Seq read counts:</u> RNA-Seq reads were aligned to the vervet genomic assembly Chlorocebus_sabeus 1.1 http://www.ncbi.nlm.nih.gov/assembly/GCF_000409795.2 with gene name revisions provided by NCBI before Aug 10th 2016 by the ultrafast STAR aligner[7] using our standardized pipeline. STAR was run using default parameters that allow a maximum of ten mismatches. Gene expression was measured as total read counts per gene. For paired end experiments, total fragments are considered. Fragment counts that aligned to known exonic regions based on the NCBI Chlorocebus sabaeus Annotation Release 100 were quantified using the HTSeq package[8]. The HTSeq-count script was executed using intersection_nonempty mode, which excluded ambiguous reads that map to regions where there are multiple genes. All other reads mapping to a single gene were included in the corresponding gene counts. The counts for all 33,994 genes were then combined and lowly expressed genes, defined as genes with a mean count of less than 1 across all samples, as well as genes detected in fewer than 10% of samples, were filtered out. We set this threshold higher than that used in Dataset 1 (5% of samples with a given gene detected) because of the much smaller sample size in Dataset 2. Finally, quantile normalization was applied to the remaining genes to obtain normalized gene counts.

In Supplementary Table 2, we summarize biotypes of quantified RNAs. The overall number of genes as well as of protein-coding, non-coding and pseudogenes is the largest in blood and the smallest in fibroblasts. The difference in the number of expressed genes may stem from differences in cell composition: a high cellular heterogeneity in blood versus monoculture of skin fibroblasts. As expected given the differences in library generation protocols, fibroblasts, adrenal and pituitary (generated with the poly-A protocol) have lower numbers of non-coding genes than hippocampus, BA46, caudate and blood (generated with the total RNA protocol).

Comparative expression analysis using Allen Brain Atlas (ABA) datasets from human and rhesus macaque

We compared gene expression in matched age categories between vervet (our data), human[9], and rhesus macaque[10]. The comparison of vervet BA46 with rhesus macaque medial frontal cortex used 12 vervets (3 animals per time point). The comparison of vervet caudate with rhesus macaque basal ganglia used 11 animals: 2 animals for the first age category (age 7 days in vervet), 3 animals for remaining time points, and the comparison of vervet and rhesus macaque hippocampus used 12 animals (3 animals per time point). The comparison of vervet BA46 with human BrainSpan DLPFC data used 18 vervets: 2 males at age 7 days, 1 male at age 90 days, 2 males and 2 females at age 1-1.25y, 2 males and 1 female at age 1.5-2.5y, 1 male and 2 females at age 3-4y. The comparison of vervet caudate with human BrainSpan striatum data used 14 vervets: 1 male at 7 days, 2 males and 1 female at age 1-1.25y, 1 male at age 1.5-2.5y, 2 females at age 3-4y, and 3 males and 3 females at age 5y or older. The comparison of vervet and human BrainSpan hippocampus data used, 17 samples: (T6: 2M, T7: 1F, T8: 1M + 1F, T9: 2M + 1F, T10: 2F + 1M, T11: 3F + 3M).

For each of the tissues in Supplementary Table 23, we identified the 1,000 most variable genes in each species and identified orthologous genes. We then ranked genes according to their mean expression, and compared ranks using the Spearman correlation (rho). Analysis was done separately by tissue and age group. We observed a moderate correlation between vervet and human ranked expression in hippocampus and between vervet BA46 and human DLPFC, with rho for both comparisons averaging 0.62. We found a slightly lower correlation between vervet caudate and human striatum, with rho averaging 0.56 (Supplementary Table 4). The comparisons of rank expression in vervet and rhesus macaque yielded smaller correlations than comparisons with human (rho ~0.35), probably due to the difference in gene expression platform (the rhesus macaque data are based on microarray, Supplementary Table 5). We also compared expression in adrenal, blood, caudate, hippocampus, and pituitary between vervet and GTEx[11] and observed ranked expression correlation ranging from rho = 0.79 for adrenal and pituitary and rho=0.68 in caudate (Supplementary Table 6).

Evaluation of tissue specific gene expression in Dataset 2

We identified 137 genes (27 in adrenal, 72 in blood, 3 in caudate, 22 in fibroblast, and 13 in pituitary) where mean normalized gene expression was >100 cpm in one tissue, and <10 cpm in all other tissues (Supplementary Table 3). Many of these genes have distinctive functions and/or expression patterns associated with a given tissue. For example, in adrenal this list includes numerous genes involved in steroid hormone metabolism, such as *STAR*, which regulates cholesterol metabolism and steroid production in adrenal cortex, and *MC2R*, which is a form of adrenocorticotropic hormone receptor (*ACTH* receptor) acting in adrenal cortex. In pituitary this list includes *POMC*, a gene coding a precursor of adrenocorticotropic hormone (ACTH) and *CGA*, a gene coding an alpha subunit of luteinizing hormone, follicle stimulating hormone, and thyroid stimulating hormone, all of which are hormones produced by pituitary. In blood the list includes several genes specific to different blood cell lineages; in fibroblasts, it includes *FAP*, a gene controlling fibroblast growth. In caudate, it includes *SYNDIG1L*, a gene known to be predominantly expressed in non-human primate (capuchin monkey) striatum.

Possible technical and biological covariates

Several technical experimental variables are known to influence gene expression assays, including premortem acidosis (as reflected by tissue pH), RNA integrity (RIN), RNA extraction protocols, and interval between death and tissue harvesting. Given the possible impact on this tissue of diurnal and seasonal variations in cortisol secretion, we considered two additional covariates for adrenal: time of day of necropsy and date of necropsy. None of these variables showed correlation with any PCs in any of the seven tissues that we examined, except RNA-Seq batch. Sample batch showed correlation with PC2 in adrenal and pituitary, and PC3 in caudate and pituitary (data not shown), and, therefore, was used as a covariate in eQTL analyses.

Genes with the highest loadings on the PCs associated with age and sex

In each tissue, we examined the genes in the top and bottom 10% of the distribution of PC loadings on PCs 1, 2, or 3 (200 genes total per tissue, per PC), in relation to age (PC1 in BA46 and caudate) or sex (PC2 in caudate, BA46 and blood, PC1 in hippocampus and pituitary, and PC3 in adrenal) (Supplementary Tables 7, 8).

Genes with the highest loadings on PCs associated with age in BA46 and caudate The lists of genes with age-related expression patterns in BA46 and the caudate (Supplementary Table 8) includes several genes that are both essential for nervous system development and implicated in the causation of human disorders. Figure 2 and Supplementary Figure 2 show expression patterns by age-point of some notable examples.

In the main text we described the age-related PC1 variation in BA46 of thrombospondin genes. Among the other genes contributing to such age-related PC1 variation in BA46 are several genes involved in myelination (*MOG, MAG, OPALIN, MBP*), all of which show increased expression with age (Supplementary Figure 3). Similar age-related upregulation of these genes is observed in human DLPFC from ABA (Supplementary Figure 3). These genes are not represented in the rhesus macaque dataset in ABA. Coordinated increase of expression of genes regulating myelination suggests that the BA46 age-related expression pattern (PC1) at least partially reflects this process.

In vervet caudate, *ASPM*, which regulates neurogenesis in the cerebral cortex and, when mutated, results in primary microcephaly[12], shows a systematic decrease across development that resembles the expression patterns of these gene in human and rhesus macaque datasets from ABA (Supplementary Figure 3). *NDRG1* displays an increasing expression pattern with age in vervet caudate that is concordant with the human expression profile in striatum in ABA (Supplementary Figure 3). This gene is not represented in rhesus macaque basal ganglia in ABA. *NDRG1* (i) stimulates cellular differentiation and proliferation, (ii) is commonly involved in somatic rearrangements leading to medulloblastoma (the most prevalent pediatric brain tumor[13]), and (iii) when mutated, causes a progressive peripheral neuropathy, Charcot-Marie-Tooth (CMT) disease Type 4d.

Genes with the highest loadings on PCs associated with sex Among genes contributing to the sex-related expression patterns in specific tissues, perhaps the most striking examples are genes encoding the receptors for two structurally similar neuropeptides, the oxytocin receptor *OXTR* (in caudate) and the vasopressin receptor *AVPR1A* (in hippocampus). These two genes function in a sex specific manner mediated by the sex-steroids estrogen (for *OXTR*[14]) and androgen (for *AVPR1A*[15]). The distribution and function of these genes also differ dramatically between mammalian species, including among some that are closely related. For example, a polymorphism in the promoter of *Avpr1a* has been associated, in prairie voles, with inter-species differences in sex-related social behaviors, such as pair bonding[16]. In monogamous prairie vole males, additional polymorphisms in this region result in inter-individual variation in expression of *Avpr1a* in hippocampus and other tissues comprising a memory circuit, and these expression differences are related to sex-specific spatial behaviors[17]. Another notable example from the hippocampus gene list is *PDYN*, encoding the opioid peptide dynorphin, which modulates hippocampal synaptic plasticity[18] in a sex-specific manner, mediated by estrogen[19].

The lists of genes with sex-related expression patterns in pituitary and adrenal overlap substantially (40 of the top 200 genes in common) and include several molecules with functions in reproduction or in biological processes with a marked sex bias. Tissue-specific examples include, for pituitary, *TAC1*, encoding substance P, which regulates puberty onset and fertility[20] and *PTGER2* which plays a role in ovulation and fertilization[21], and, for adrenal, *PRL*, which stimulates lactation in new mothers, plays a role in social behaviors, and is regulated by adrenal steroids[22].

Comparison to DLPFC eQTLs from CommonMind Consortium (CMC)

We downloaded the Open Access version of the eQTL results from CMC (https://www.synapse.org/#!Synapse:syn5652289) generated from n=467 genetically-inferred Caucasian samples (209 schizophrenia cases, 206 controls, and 52 affective disorder cases) using RNA-Seq data from DLPFC[23] . The eQTL results are provided with FDR summarized into significance bins: <0.01, <0.05, <0.1, and <0.2. We compare vervet local eQTLs from three brain regions (BA46, caudate, hippocampus) with FDR<0.2 and FDR<0.05 (used as significance threshold in the CMC dataset by Fromer et al.[23]). The results for comparison of Bonferroni-corrected and FDR-corrected vervet eQTL with the CMC eQTL are summarized in Supplementary Table 13.

For our Bonferroni corrected eQTL set, almost 100% of local eQTL genes with human orthologs that were analyzed in the CMC data were found to have an eQTL at FDR < 0.20 in the CMC. Using the FDR < 0.05 threshold employed by the CMC manuscript[23] , 88.59% of our local eQTL genes have a local association in CMC.

For our FDR corrected results, we observe similar numbers, with 99% of our local eQTL genes also found to have a local eQTL at FDR < 0.20, and 88.16% at an FDR < 0.05. We observe the largest overlap of local brain eQTL between BA46 in vervet and DLPFC in human.

Correlation of expression between *IFIT1B* and genes regulated by the distant eQTL on CAE9

On CAE 9, 76 SNPs across a ~500 Kb region displayed, in Dataset 1, a genome-wide significant local eQTL signal, and also genome-wide significant distant eQTLs for probes representing up to 14 genes (Figure 3, Supplementary Table 18) on different vervet chromosomes (*RANBP10, SUGT1, LCMT1, HMBS, ST7, TMEM57, YPEL4, NARF, UBALD1, THBS4, DEDD2, CNN3, STXBP1, UQCR10*). We observed a high degree of genetic correlation between expression of *IFIT1B* and expression of the distantly regulated genes (Supplementary Table 17). For most of these distantly regulated genes the genetic correlation with *IFIT1B* is significantly different from 1, indicating that their expression derives from a shared genetic causation as well as genetic contributions that are unique for each transcript (incomplete pleiotropy).

Quantitative real-time PCR (qRT-PCR)

Hippocampal expression results for the non-coding lncRNA genes associated with hippocampal volume were validated via qRT-PCR using the following TaqMan® assays with a FAM reporter.

Custom primers and hydrolysis probes were designed using the Custom TaqMan® Assays Design Tool (Applied Biosystems) as presented in Supplementary Table 24. Target sequences for primer and probe design were based on the NCBI Reference Sequences of *LOC103222765*, *LOC103222769*, *LOC103222771*, *HPRT1*, *GAPDH*, and *B2M*.

Each reverse transcription reaction contained 250ng total RNA in a final volume of 20μL. The diluted RT products used to create the cDNA pool were diluted once more (1:5 relative to the high standard) to ensure that the amount of template would fall within the established linear dynamic range of each assay. The cycling parameters for real-time PCR amplification were as follows: 95°C for 30 seconds, followed by 40 cycles of 95°C for 15 seconds and 60°C for 1 minute, with the fluorescence signal acquired at 60°C. Each 10μL qPCR reaction contained 5μL of iTaq® Universal Probes Supermix (Bio-Rad), 0.5μL of the 20x Custom TaqMan® Gene Expression Assay (primer concentration: 900nm; probe concentration: 250nm), 0.5μL of nuclease-free water, and 4μL of the twice-diluted cDNA.

Target sequences for custom primer and hydrolysis probe design were evaluated bioinformatically prior to submission to ensure quality. NCBI Primer-BLAST® was used to ensure specificity and avoid low-complexity regions, and common genetic variants were masked to prevent primer or probe design at those sites. TaqMan® MGB probes were designed to span an exon-exon boundary. Multiple coordinates for probe design were submitted for consideration, and the optimal probe sequence was determined by the Primer Express® Software (Applied Biosystems). The suitability of three reference gene candidates (*HPRT1*, *B2M*, and *GAPDH*) for normalization was evaluated using the NormFinder software (v5) in R [24]. As both *GAPDH* and *HPRT1* show a high stability of expression across all 16 animals, we used them as endogenous controls. Amplification efficiency was evaluated by a relative standard curve. The expression of each lncRNA in each sample was compared with a calibrator sample. All qRT-PCR procedures were designed and carried out according to Minimum Information for Publication of Quantitative Real-Time PCR Experiments(MIQE) guidelines[25].

Hippocampal volume phenotype

Structural MRI of 347 vervets > age 2 provided estimates of hippocampal volume, as described previously [26,27]. Briefly, nine structural images were acquired from each animal as axial T1-weighted volumes with a 3D magnetization prepared rapid acquisition gradient echo (MPRAGE) using an 8-channel high-resolution knee array coil as a receiver in a 1.5 Tesla Siemens (Erlangen) Symphony unit (TR 1900 msec; TE 4.38 msec; TI 1100 msec; flip angle 15 degrees; voxel resolution 0.5 mm in all three planes). The nine separate images were aligned to each other in pair-wise rigid body registrations and averaged together to yield one high signal-to-noise image. An affine population atlas was created from the individual MRI images using methods described by Woods [28] and phenotypes were generated from images transformed into this space. Hippocampi were segmented using a combination of manual and automated delineation [26]. Briefly, forty images were manually segmented in duplicate by ten extensively trained research assistants and these segmentations were used to train a hybrid discriminative/generative-learning algorithm [29], which, in turn, was used to segment the entire set of images to produce the final phenotype. Prior to genetic analysis, hippocampal volumes were log transformed, regressed on sex and age in SOLAR, and residuals used as the final phenotype.

In hippocampus, the genome-wide significant eQTL SNPs reside in, and regulate expression of, two long non-coding RNA genes (lncRNA), *LOC103222765* (nine associated local eQTL SNPs) and *LOC103222769* (three associated local eQTL SNPs) located at a distance of 168 Kb from each other in the central portion of the QTL region for hippocampal volume. All significant SNPs within each locus are in complete LD ($r^2=1$), but we observe no LD between the loci. An additional lncRNA gene, *LOC103222771*, situated two bp from *LOC103222769*, shows hippocampal specific association to six SNPs at a level ($p < 10^{-9}$) just above genome-wide significance. All six SNPs associated to *LOC103222771* are in strong LD ($r^2 > 0.93$).

Given the physical proximity of these lncRNAs, we used multivariate conditional analyses to evaluate whether the regulation of these genes depends on a single eQTL or two or three independent ones. For each lncRNA we designated a "lead SNP" (the SNP most significantly associated to its expression, Supplementary Table 19). The lead SNP for *LOC103222765* shows little correlation with the lead SNPs for *LOC103222769* ($r^2=0.07$) or *LOC103222771* ($r^2=0.0034$), while the lead SNPs for *LOC103222769* and *LOC103222771* are moderately correlated ($r^2=0.55$). The minor allele frequencies of the lead SNPs for *LOC103222765*, *LOC103222769*, and *LOC103222771* are 0.43, 0.46, and 0.31, respectively (estimated in the full set of 721 vervets with genotype data) and are similar to frequency of the same alleles in an independent sample of 31 vervets from St. Kitts, the island from which the founders of the VRC pedigree derive (0.48, 0.34, and 0.27, respectively[30]. Multivariate conditional analyses suggest two eQTLs in this region; one associated to *LOC103222765*, and the second associated to *LOC103222769* and *LOC103222771*

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Supplementary Figure Legends

Supplementary Figure 1. Principle components 1, 2, 3, and 6 from analysis of gene expression levels (RNA-seq) in seven tissues. PC1 (47.5% of total variance) separates fibroblast from brain tissues, PC2 (18.2% of variance) separates blood from all other tissues, while the three brain regions do not separate until PC6 (2% of variance).

Supplementary Figure 2. Vervet age related genes: in BA46 *MOG, MAG, OPALIN*, and *MBP* involved in myelination, and *ASPM* and *NDRG1* in caudate.

Supplementary Figure 3. Expression profiles of orthologs of vervet genes with clear developmental trajectories, in similar tissues from human and rhesus macaque in the Allen Brain Atlas (ABA) data. (A) Top row: *THBS1, THBS2, THBS4* in human DLPFC (N=18); Bottom row: *THBS1, THBS2, THBS4* in rhesus medial frontal cortex (N=12). (B) *MOG, MAG, OPALIN* and *MBP* in human DLPFC (N=18). (C) *ASPM* and *NDRG1* in human caudate (N=14, left and middle panels), and *ASPM* in rhesus macaque basal nuclei (N=11, right panel). Genes *MOG, MAG, OPALIN, MBP, NDRG1* were not represented in the rhesus macaque dataset in ABA.

Supplementary Figure 4. Deconvolution analysis in BA46. (A) cell type composition for each animal (B) distribution of cell type composition by age group.

Supplementary Figure 5. Deconvolution in caudate. (A) cell type composition for each animal (B) distribution of cell type composition by age group.

Supplementary Figure 6. Deconvolution in hippocampus. (A) cell type composition for each animal (B) distribution of cell type composition by age group.

Supplementary Figure 7. Deconvolution in blood. (A) cell type composition for each animal (B) distribution of cell type composition by age group.

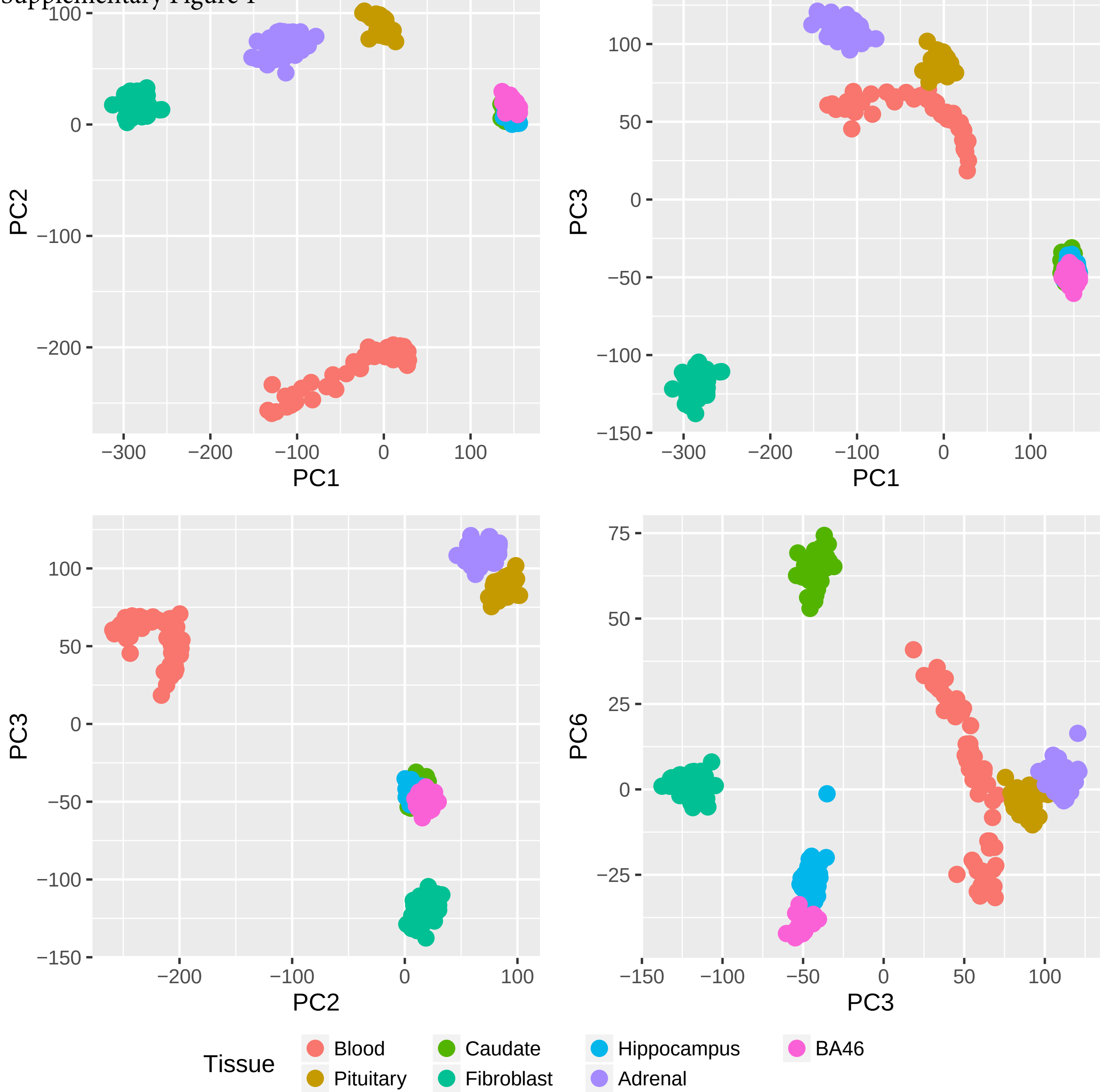
Supplementary Figure 8. Distribution, over 58 vervets, of entropy of cell type, for four tissues.

Supplementary Figure 9. eGene sharing among tissues. The intersection of FDR significant eGenes among the seven tested vervet tissues.

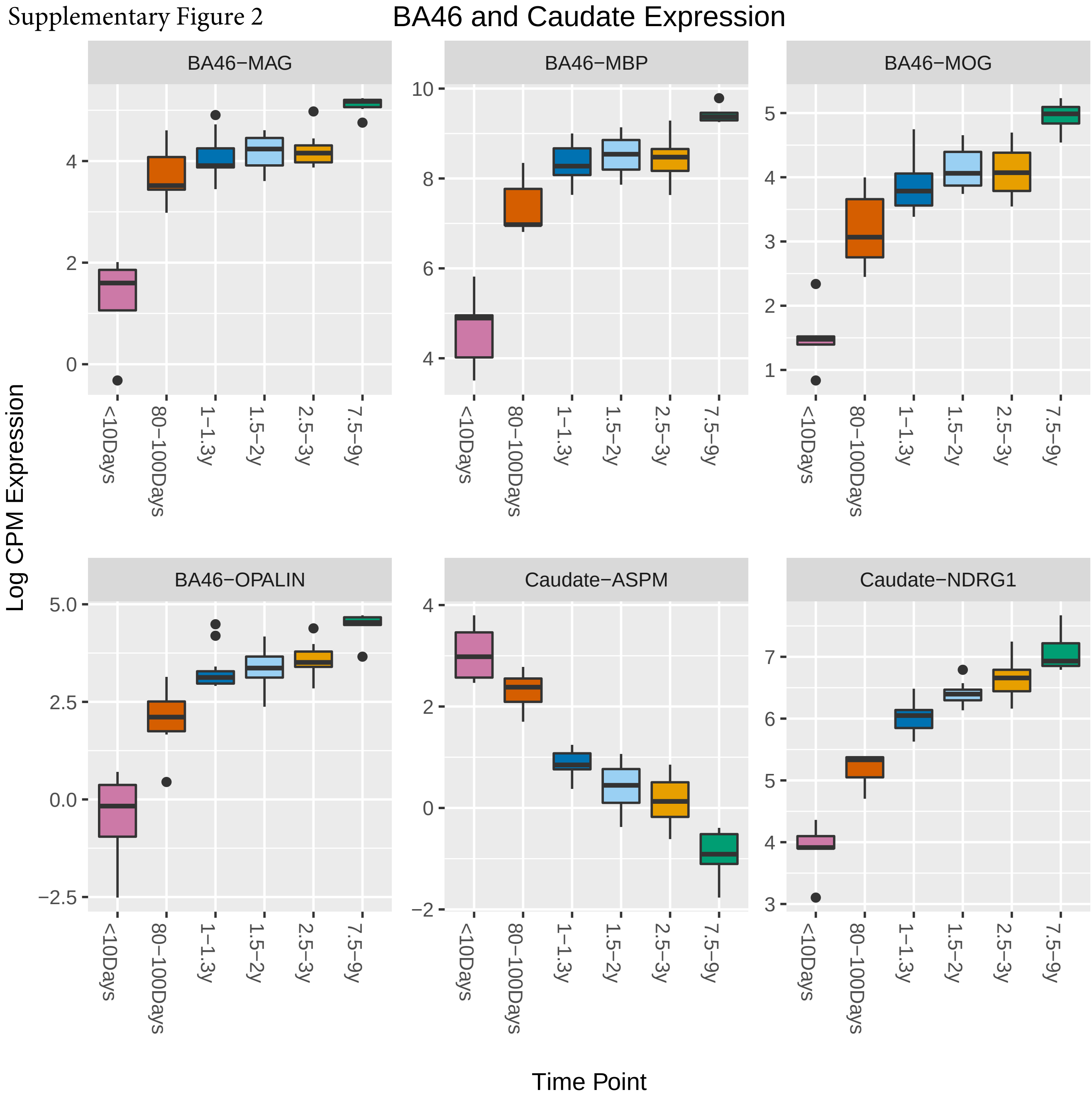
Supplementary Figure 10. Forest plot representing analysis of enrichment of eQTLs in genic and regulatory regions. Log odds-ratio is on the x-axis, and horizontal lines around each estimate represent the 95% confidence interval. Liver Me and Liver Ac stand for, respectively, H3K4me3 and H3K27ac marks in vervet liver. Rhesus caudate Ac and Rhesus prefrontal Ac stand for the vervet orthologous location of HDK27ac epigenetic marks in rhesus macaque caudate and prefrontal cortex, respectively.

Supplementary Figure 11. Increase in the proportion of eQTL SNPs, compared to all SNPs, in the region of the TSS and TES. For each eQTL SNP, we note the location from the SNP to the TSS/TES of the gene to which it was associated. For non-eQTL SNPs, we note the locations of the SNP to the TSS/TES of all genes within 200 Kb of the SNP. Distances to the left and right of the TSS/TES are binned into 10 Kb intervals, and the number of SNPs in each distance bin recorded. As genes are of different sizes, for each gene the interval between the TSS and TES was divided into 10 equally sized intervals. The ratio of the number of eQTL to non-eQTL SNPs was noted for each distance bin. Supplementary Figure 9 represents a summation over the 27,196 genes; a formal statistical analysis of enrichment was not attempted because SNPs were oftentimes within 200kb of the TSS/TES of multiple genes.

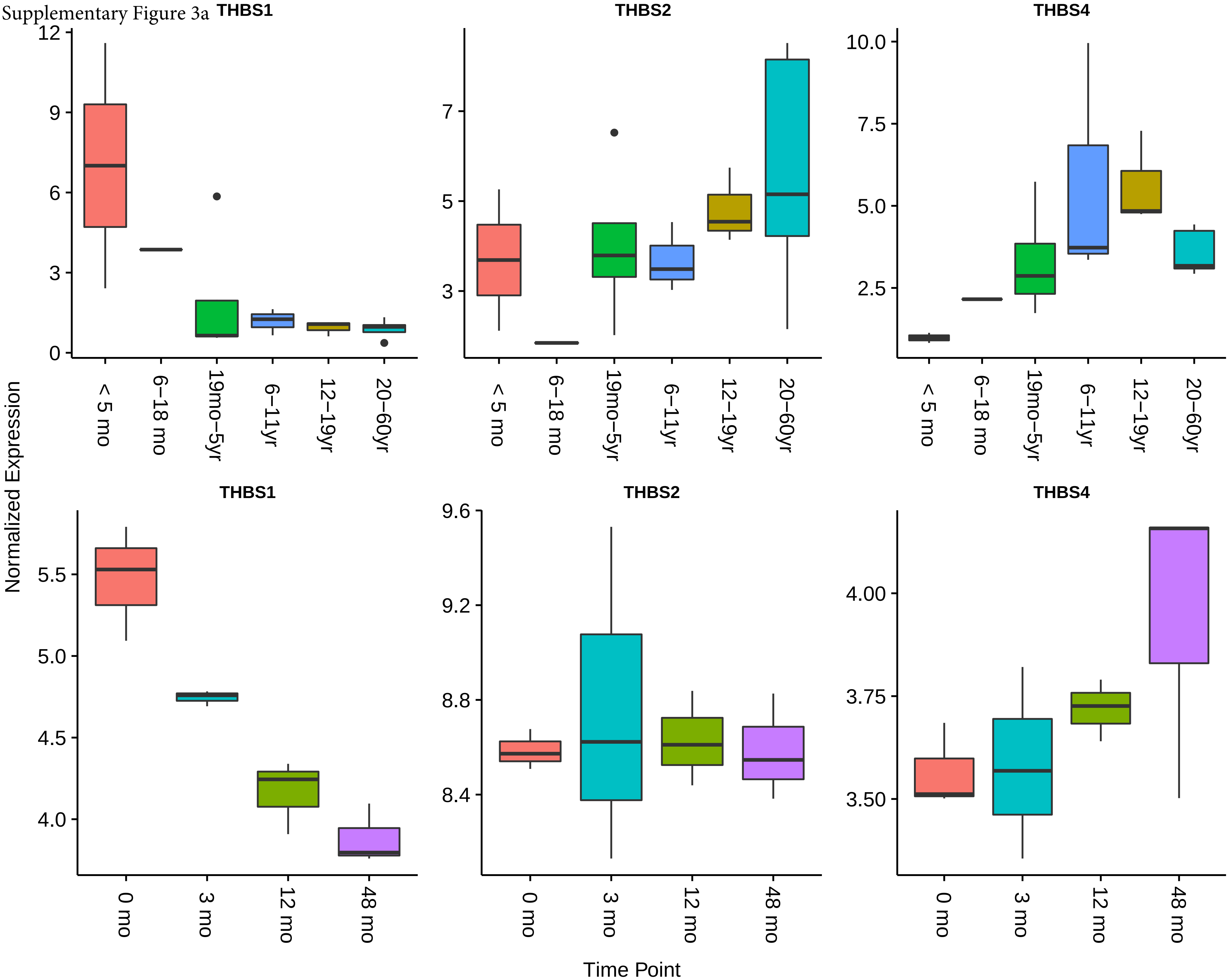
Supplementary Figure 1



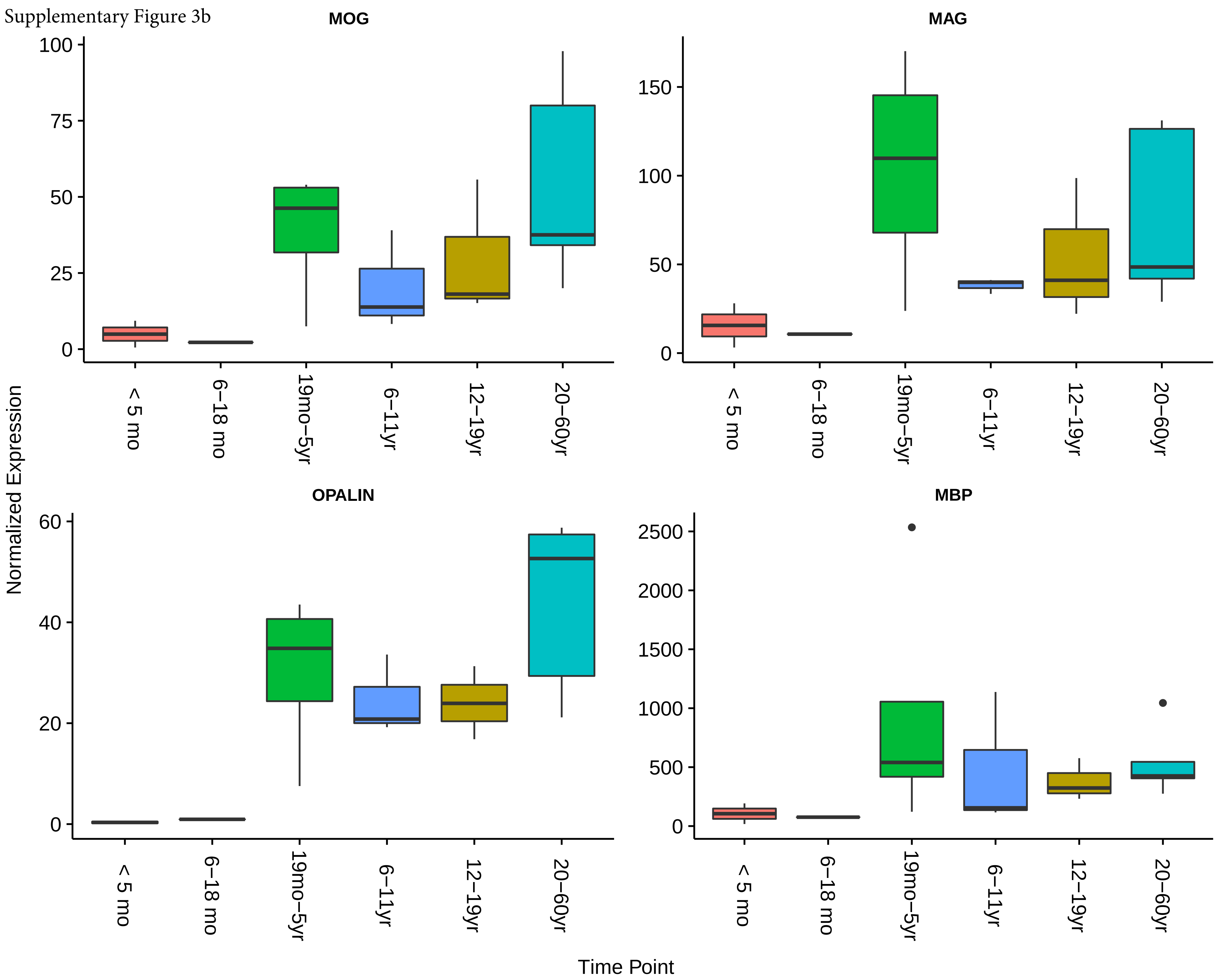
Supplementary Figure 2



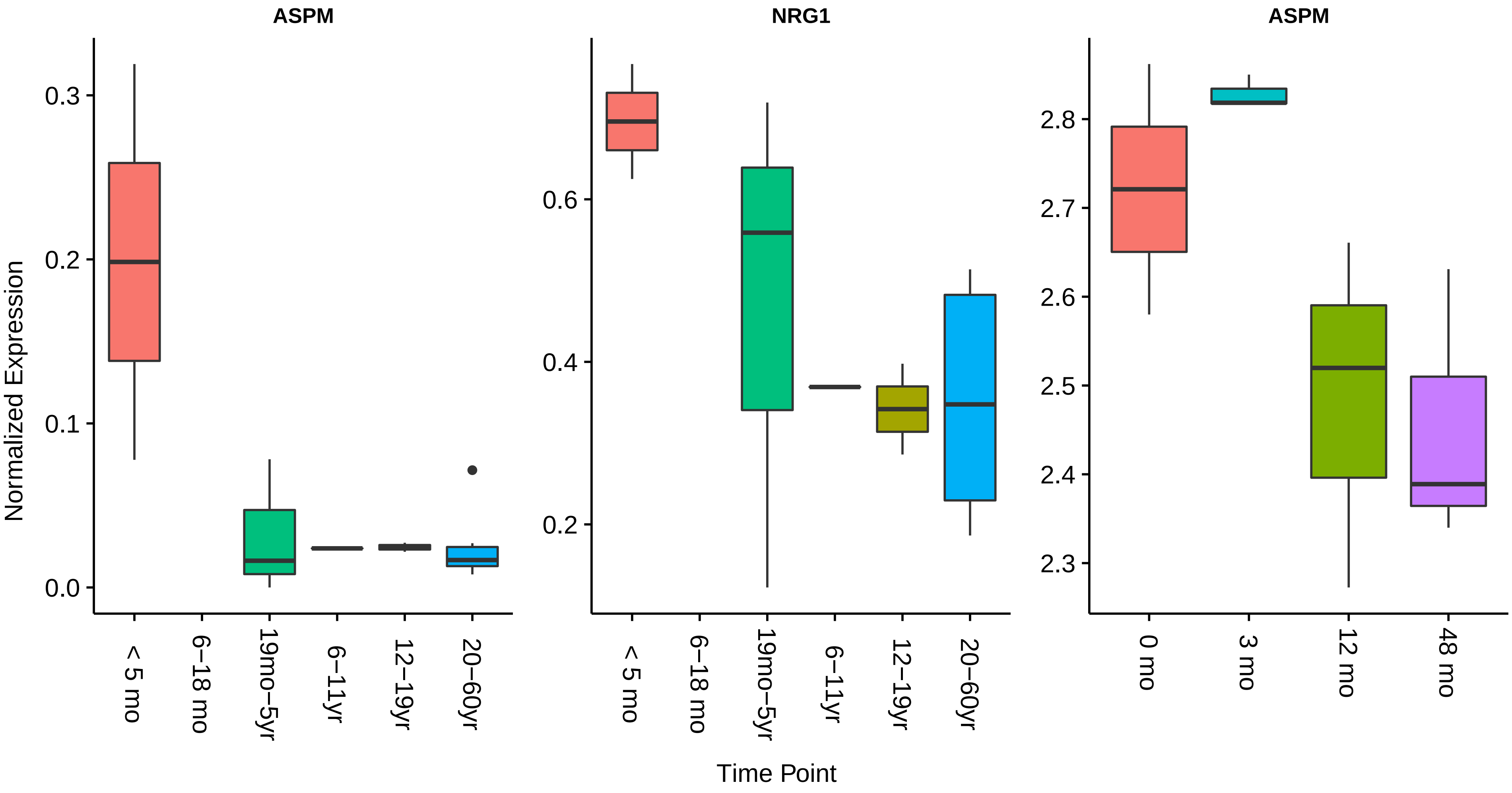
Supplementary Figure 3a



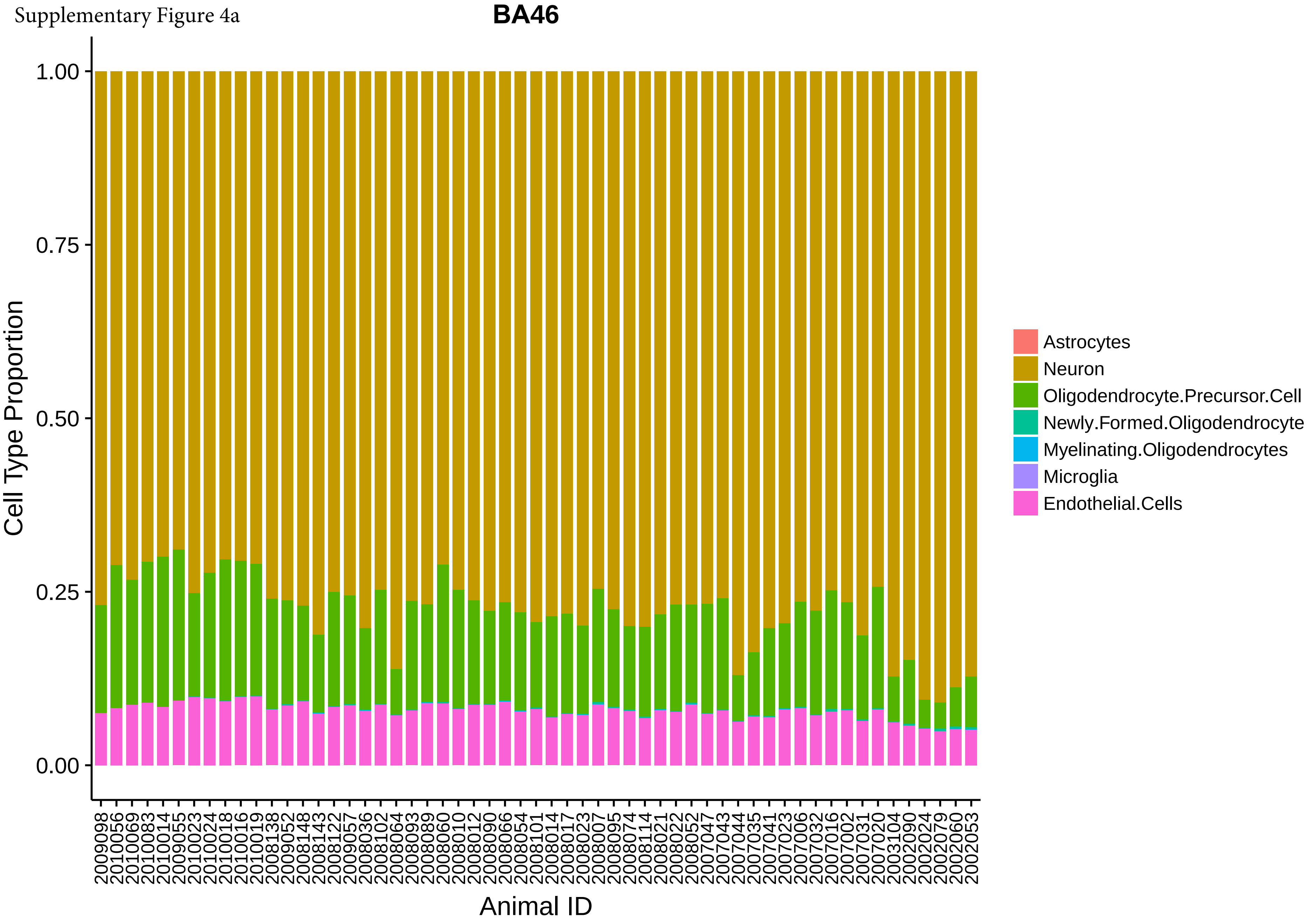
Supplementary Figure 3b



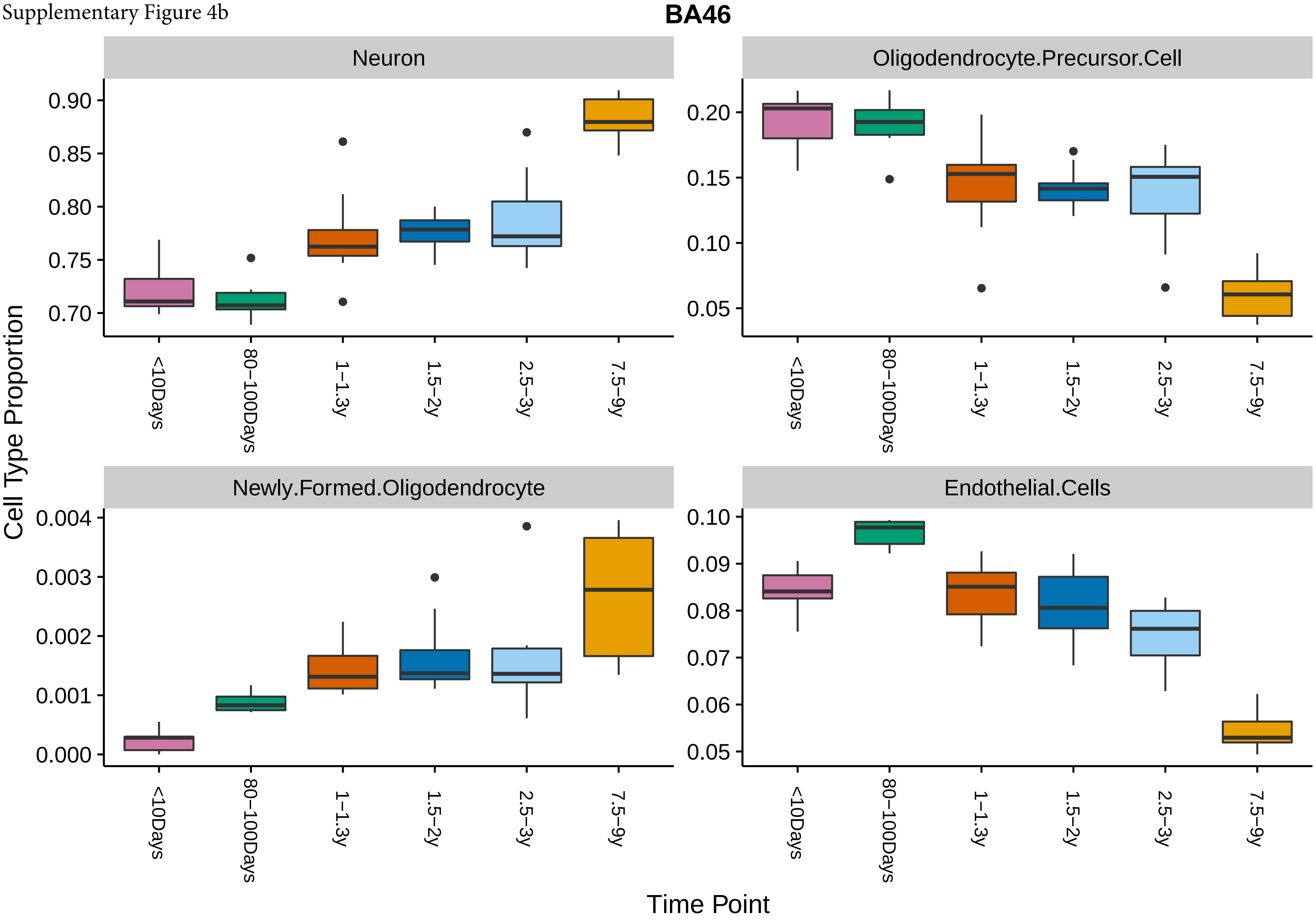
Supplementary Figure 3c



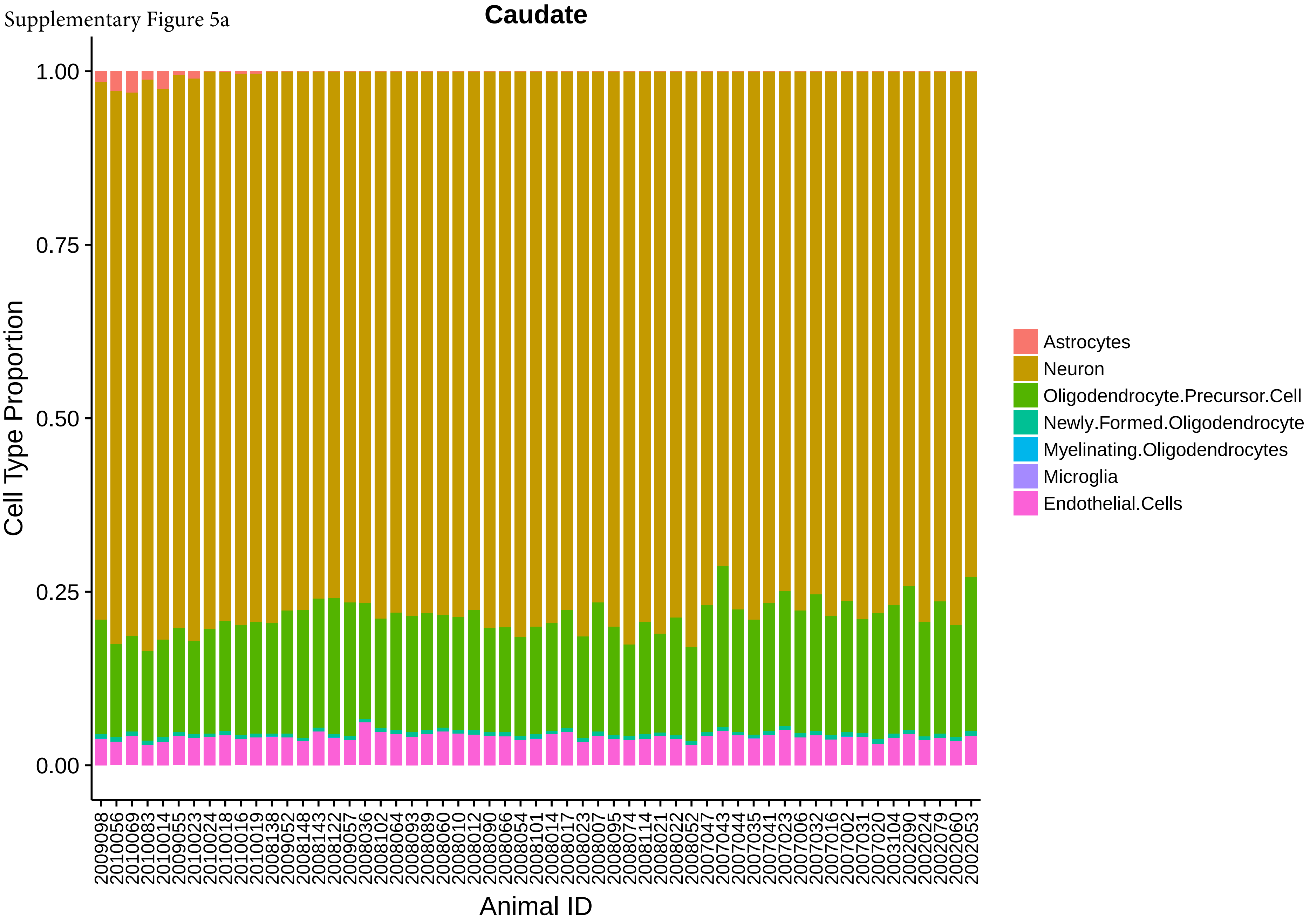
Supplementary Figure 4a



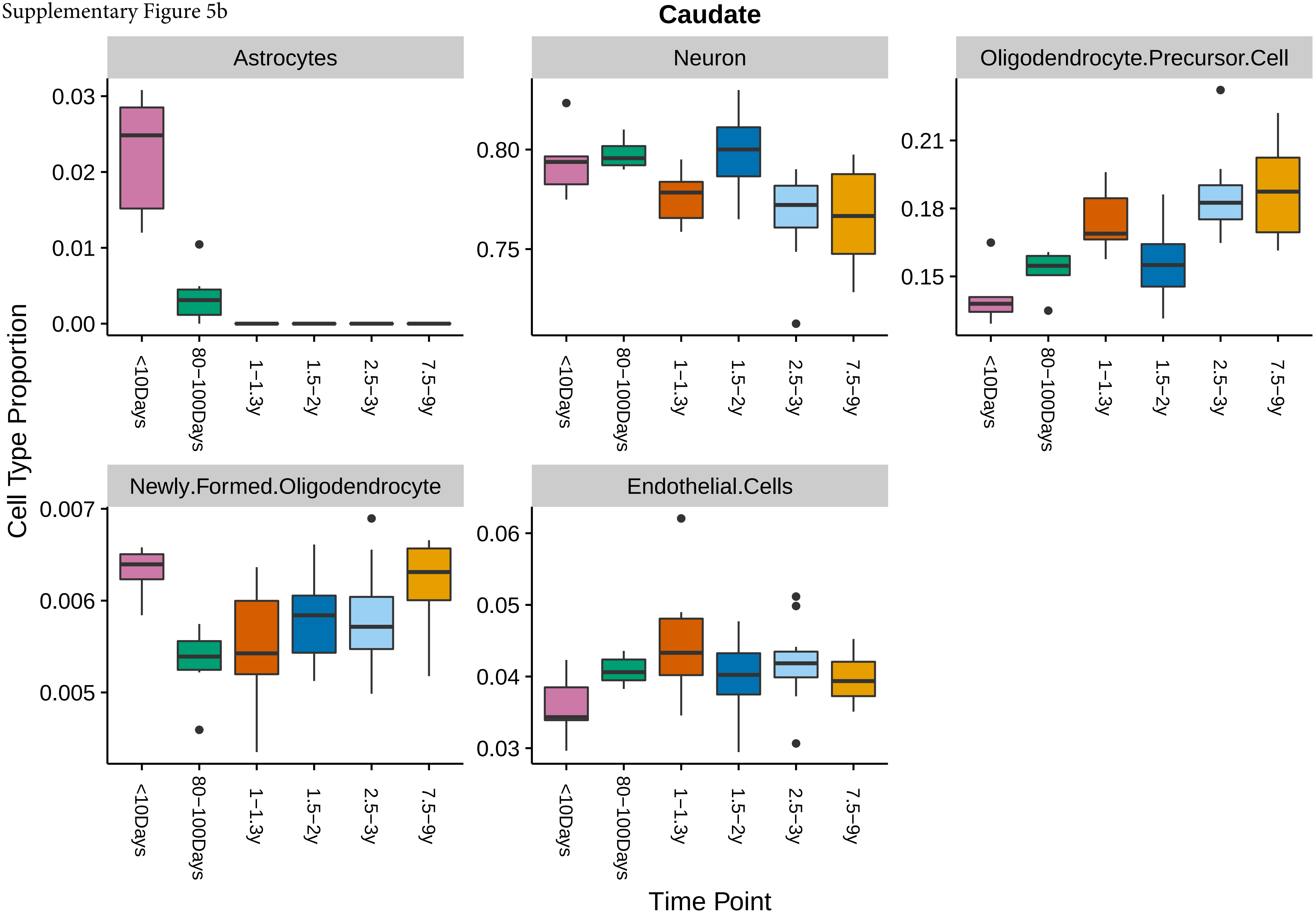
Supplementary Figure 4b



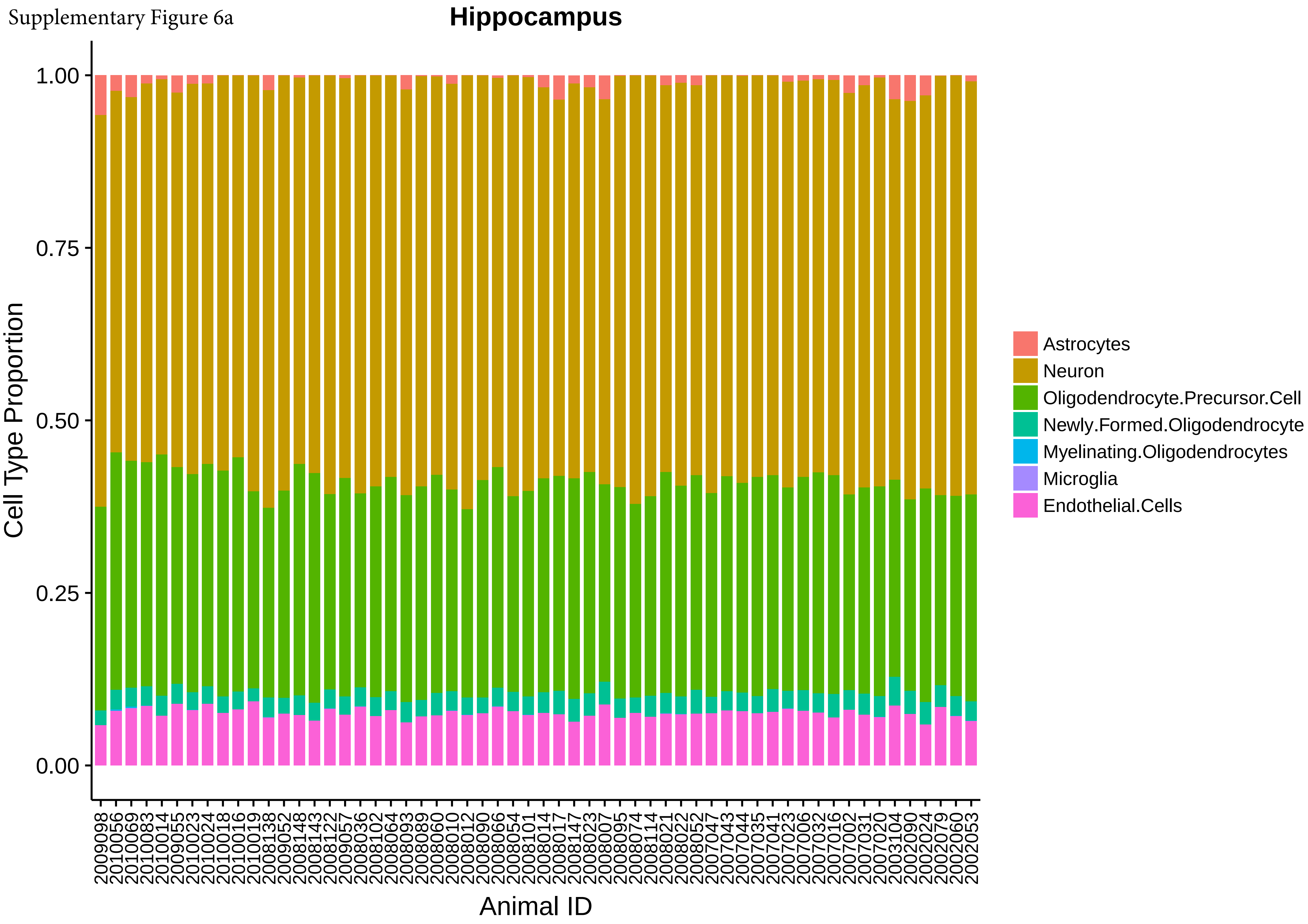
Supplementary Figure 5a



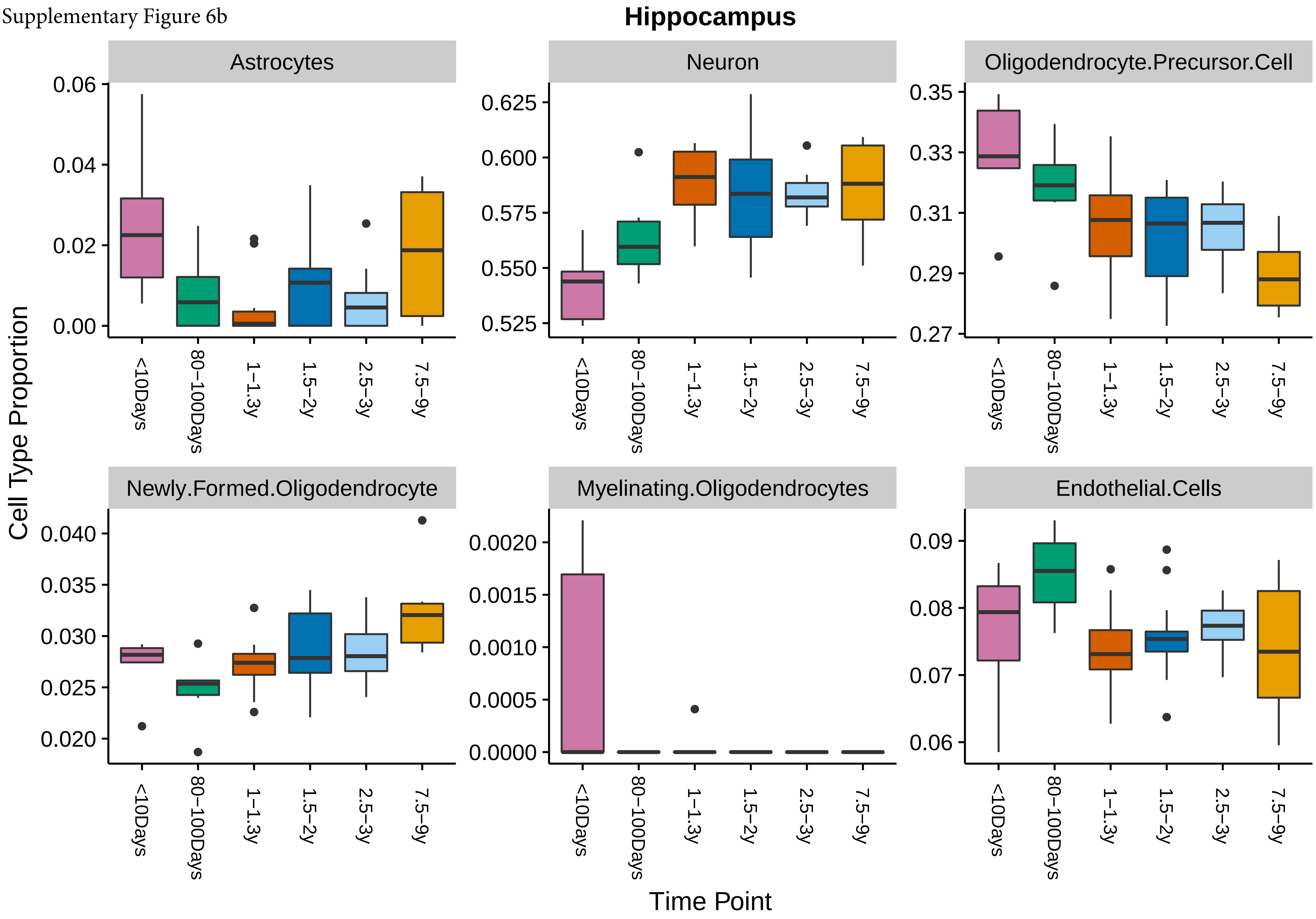
Supplementary Figure 5b



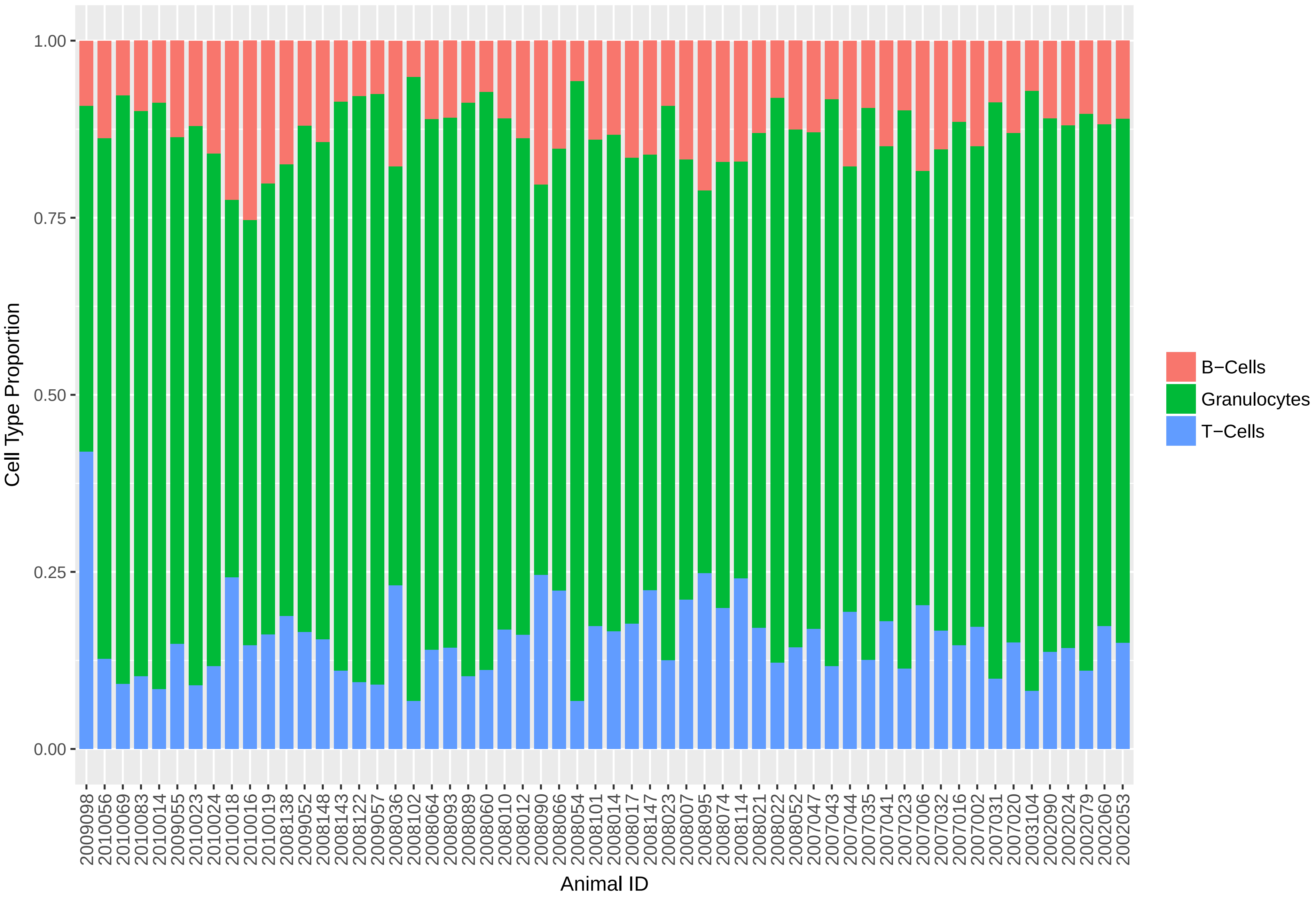
Supplementary Figure 6a



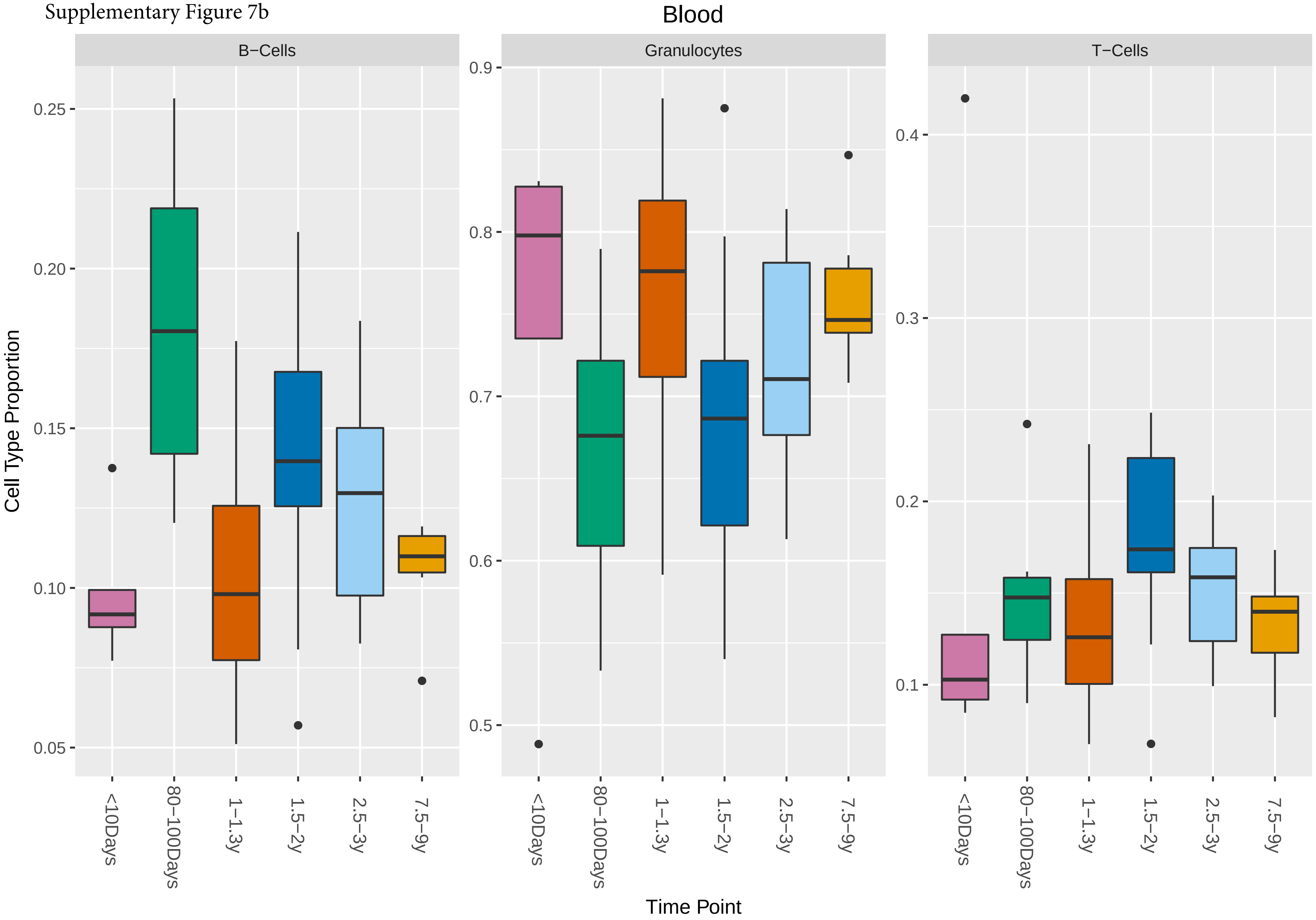
Supplementary Figure 6b



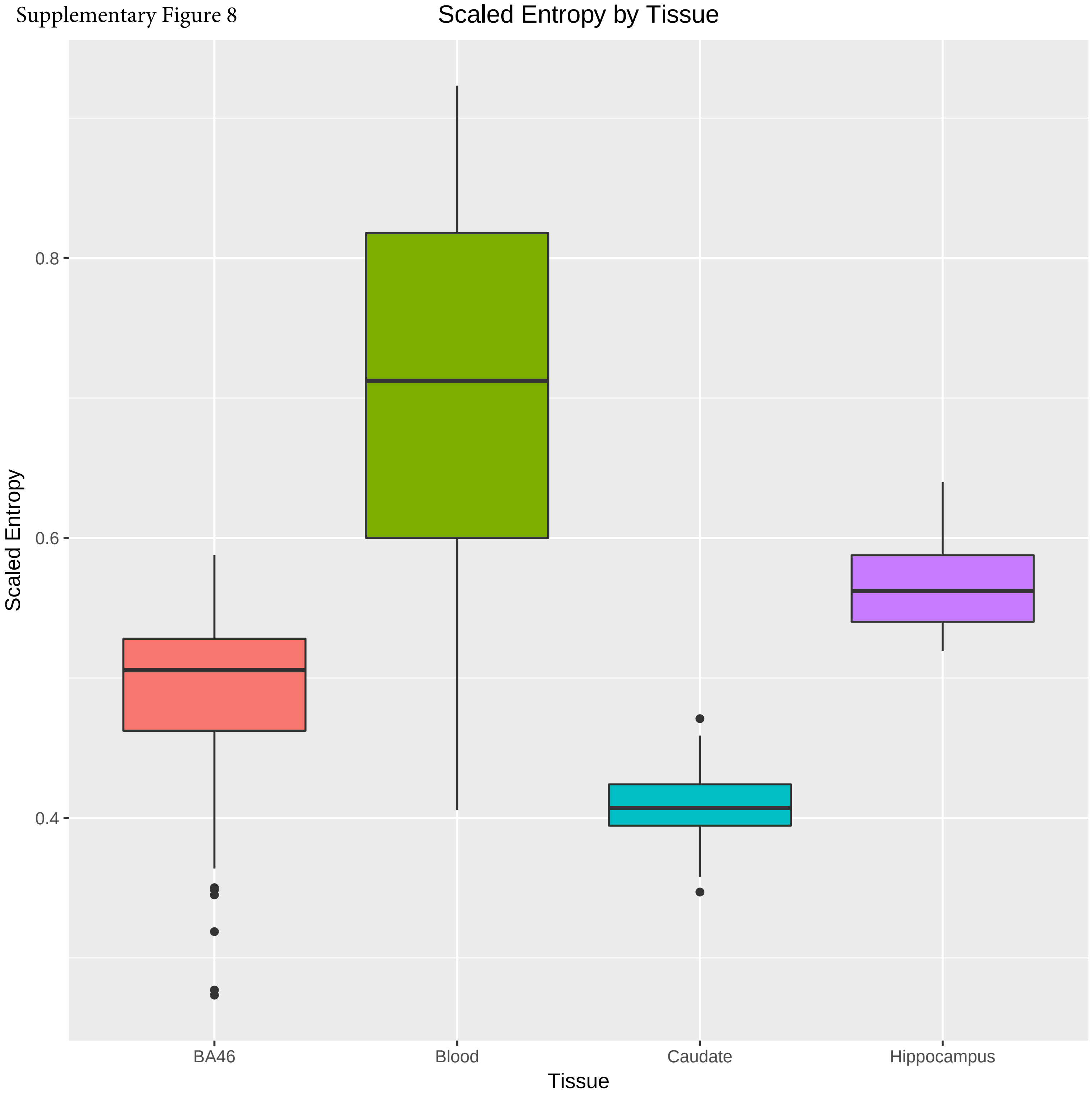
Supplementary Figure 7a



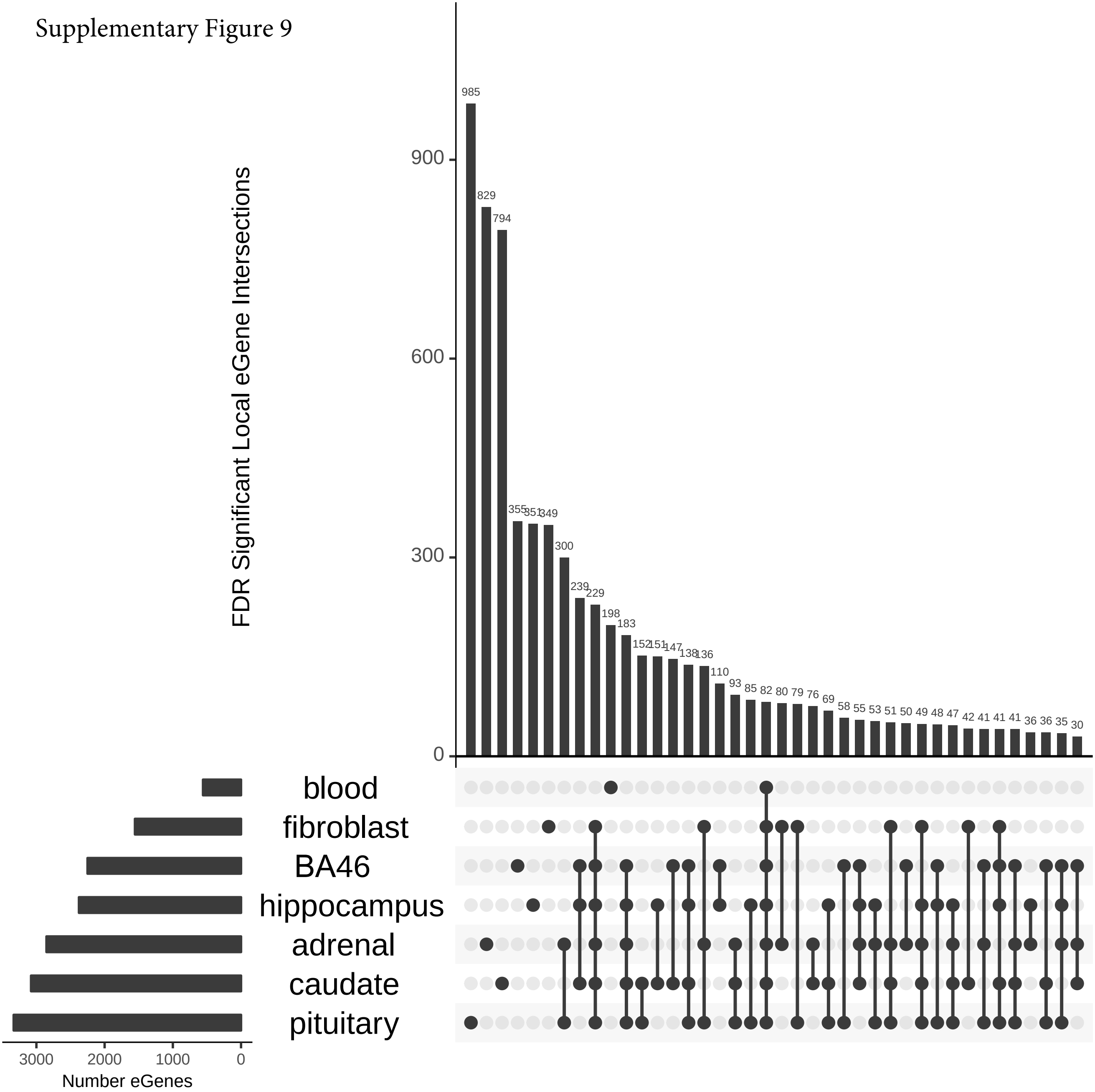
Supplementary Figure 7b



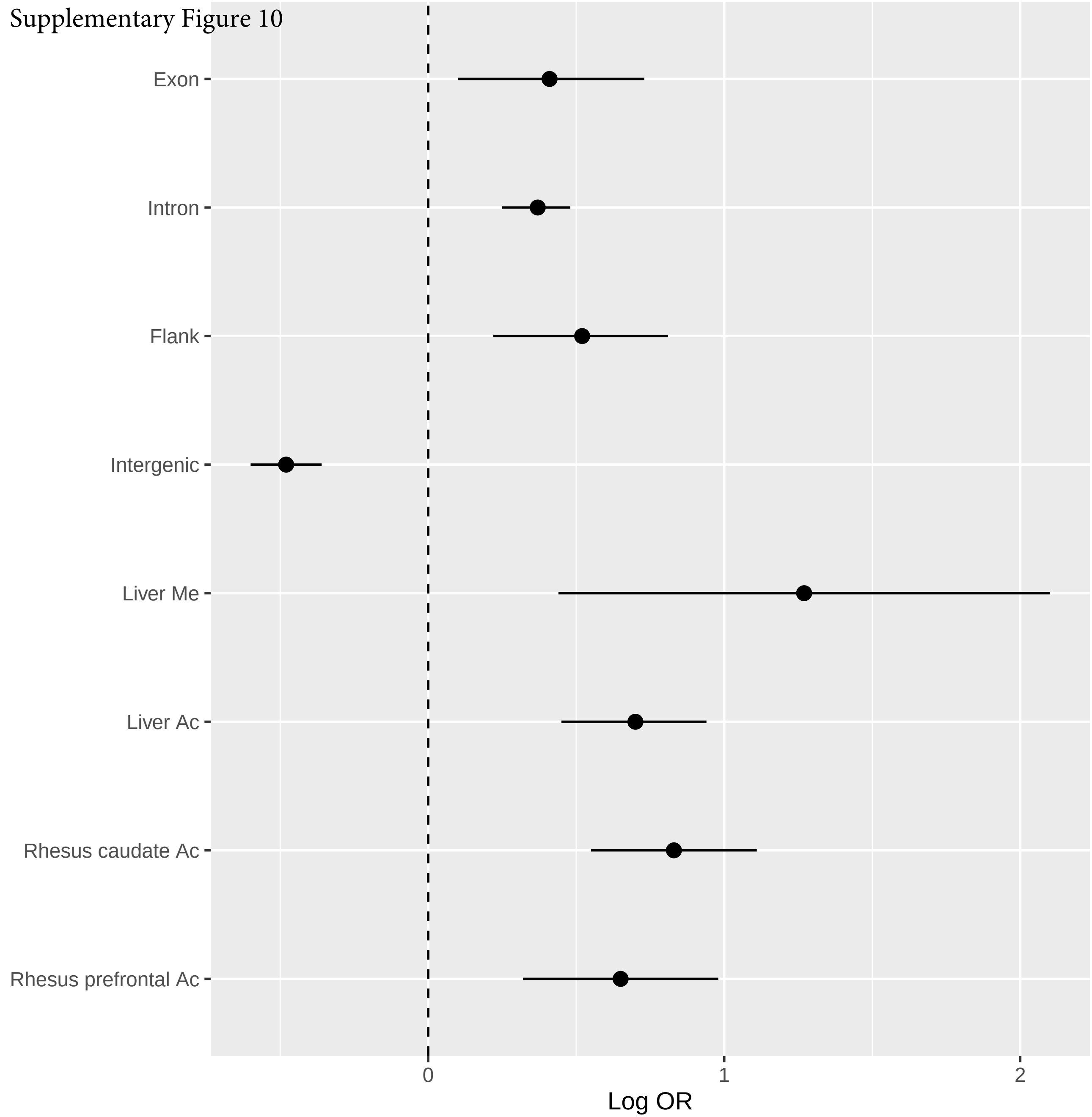
Supplementary Figure 8



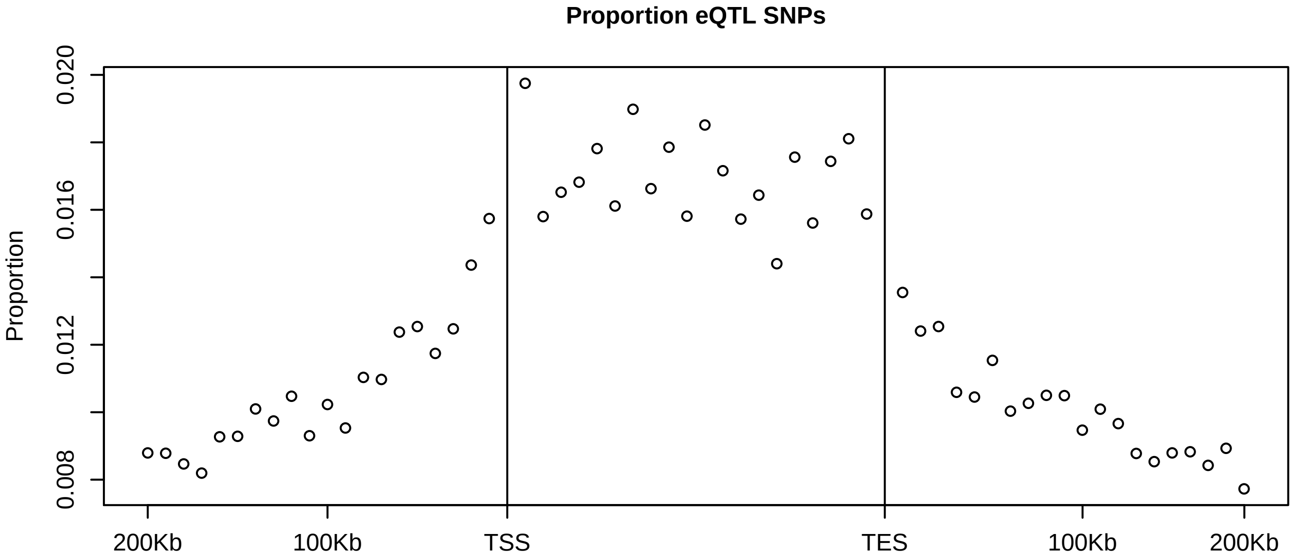
Supplementary Figure 9



Supplementary Figure 10



Supplementary Figure 11



Supplementary Table 1. Summary of sequential probe filtering steps applied to HumanRef-8v2 array

Filtering Step	Number of probes excluded	Number of probes remaining
Total Number of Probes on HumanRef-8v2		22,184
Align to vervet sequence	3581	18,603
No indels	4837	13,766
Unique hits to vervet sequence	461	13,305
Up to 5 mismatches in total probe sequence	207	13,098
Maximum 1 mismatch in central portion of probe	1563	11,535
Presence of common SNPs in probe sequence	434	11,101
Liftover from scaffold to vervet chromosome	100	11,001
Detected in at least 5% of animals at Illumina $p<0.05$	4983	6,018

Supplementary Table 2. Biotypes of genes analyzed in Dataset 2

Tissue	Protein_Coding	Non_Coding	Pseudo_Gene	Other/Unknown	Total_Genes
Adrenal	18221	3898	3036	32	25187
BA46	18451	5656	3393	30	27530
Blood	20529	8112	5093	42	33776
Caudate	18695	5961	3559	34	28249
Fibroblast	16614	2913	2787	14	22328
Hippocampus	18290	5411	3223	33	26957
Pituitary	18879	4976	3344	37	27236

Supplementary Table 3. Genes with high expression in one of the seven tissues evaluated with RNA-Seq. Presented are the means per tissue of CPM of TMM normalized count data. References are provided at the bottom of the table.

VervetGeneSymbol	Description	Adrenal	Blood	Caudate	Fibroblast	Hippo	Pituitary	BA46	Max	Tissue.Max	Gene links to the tissue function*
LOC103216445	steroid 17-alpha-hydroxylase/17,20 lyase	14036.7	1.96902	0.96493	2.0436848	1.045	4.24694	1.0368	14036.7	Adrenal	
STAR	steroidogenic acute regulatory protein	10620.4	1.75588	0.99425	1.3615424	0.829	3.60259	0.8475	10620.4	Adrenal	a role in steroidogenesis in adrenals[1]
LOC103237546	cytochrome P450 11B1, mitochondrial	5682.77	1.17149	0.06733	0.7601465	0.088	1.56708	0.079	5682.77	Adrenal	
LOC103245339	cholesterol side-chain cleavage enzyme, mitochondrial	5274.27	1.83883	1.41084	0.8371132	0.479	5.55669	0.3911	5274.27	Adrenal	
LOC103224109	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isome	4620.16	1.02853	0.17528	0.6648728	0.13	1.60302	0.1659	4620.16	Adrenal	
LOC103221724	steroid 21-hydroxylase	4614.96	0.98424	0.37278	0.6002827	0.375	2.22281	0.2324	4614.96	Adrenal	
LOC103221358	glutathione S-transferase A3	2378.28	1.078	0.05385	0.3126857	0.033	0.83506	0.0281	2378.28	Adrenal	
LOC103237547	cytochrome P450 11B1, mitochondrial-like	1497.27	1.34717	0.08066	0.2068515	0.046	0.40351	0.0706	1497.27	Adrenal	
LOC103221720	tenascin-X-like	1099.93	0.96596	0.62226	0.714856	0.665	1.12399	0.8683	1099.93	Adrenal	
LOC103221719	steroid 21-hydroxylase-like	1080.27	0.48447	0.02674	0.1298478	0.02	0.29704	0.0172	1080.27	Adrenal	
SERPINA5	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, a	969.736	5.01123	0.32745	0.1265797	0.653	8.77306	0.2177	969.736	Adrenal	
MC2R	melanocortin 2 receptor (adrenocorticotropic hormone)	677.134	1.49872	0.03163	0.0990165	0.024	0.66854	0.0143	677.134	Adrenal	role in adrenal gland development and steroidogenesis[2]
LOC103221721	serine/threonine-protein kinase 19-like	397.149	0.34683	0.02677	0.048376	0.029	0.1449	0.0459	397.149	Adrenal	
AVPR1A	arginine vasopressin receptor 1A	351.362	0.99528	0.24922	0.0540573	0.69	0.55493	2.2969	351.362	Adrenal	regulation of aldosterone secretion[3], in brain (mostly in septal nucleus), V1A
KRT80	keratin 80	338.73	2.54884	0.03079	1.7058982	0.106	2.003	2.2695	338.73	Adrenal	
SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigr	293.858	2.14206	0.07687	2.2143439	0.667	2.2331	0.1015	293.858	Adrenal	
VTN	vitronectin	252.728	2.08564	2.89347	0.3577577	1.99	3.84988	2.6754	252.728	Adrenal	
PON3	paraoxonase 3	225.041	1.10187	2.12092	0.3979202	1.415	3.318	1.1356	225.041	Adrenal	
LOC103236010	alcohol dehydrogenase 1C	195.564	1.90079	0.10949	0.0388765	0.065	2.23227	0.0536	195.564	Adrenal	
HOXA5	homeobox A5	183.006	1.14667	0.00291	5.3960996	0.007	0.06456	0.0028	183.006	Adrenal	
MAP3K15	mitogen-activated protein kinase kinase kinase 15	180.401	9.59698	6.3744	0.5891424	7.887	2.66232	5.8447	180.401	Adrenal	
LOC103221726	uncharacterized LOC103221726	170.991	0.60676	0.26157	0.0586167	0.241	0.31083	0.2392	170.991	Adrenal	
RGN	regucalcin	170.15	1.14789	4.02933	0.0795482	6.108	7.38139	4.5735	170.15	Adrenal	
LRRC38	leucine rich repeat containing 38	167.802	1.05419	0.20054	0.030719	0.042	0.65828	0.7031	167.802	Adrenal	
MRAP	melanocortin 2 receptor accessory protein	154.064	1.18998	0.66305	0.2422359	0.572	0.28949	0.6347	154.064	Adrenal	
CHAD	chondroadherin	150.751	4.50058	2.47324	0.2957742	2.163	7.87485	2.5129	150.751	Adrenal	
RBP5	retinol binding protein 5, cellular	147.506	1.05587	0.87473	0.2071491	0.38	1.28551	0.8882	147.506	Adrenal	
LOC103225291	hemoglobin subunit alpha	0.99532	34787.8	3.05125	0.2085443	0.991	9.02605	0.6743	34787.8	Blood	
ALAS2	aminolevulinate, delta-, synthase 2	0.15539	14948.3	1.41916	0.1541252	0.175	2.86073	0.1311	14948.3	Blood	
LOC103247904	hemoglobin subunit gamma-1	0.81707	14228	3.11984	0.3912939	0.179	1.11515	0.1328	14228	Blood	
C5	complement component 5	1.61909	904.861	1.82808	0.139223	1.844	3.40081	0.9734	904.861	Blood	
SELL	selectin L	1.18212	696.891	0.40014	0.0213302	0.614	0.98613	0.6272	696.891	Blood	
SLC4A1	solute carrier family 4 (anion exchanger), member 1 (Diego l	0.53236	682.359	0.77049	0.007127	0.111	2.26319	0.044	682.359	Blood	
CA1	carbonic anhydrase I	0.13072	646.323	0.08292	0.0099249	0.02	0.85557	0.0198	646.323	Blood	
CD52	CD52 molecule	9.71651	610.509	2.08159	0.0129236	1.811	6.81823	2.8456	610.509	Blood	
S100A9	S100 calcium binding protein A9	0.40654	586.988	0.21593	0.0401566	0.125	6.39559	0.1844	586.988	Blood	
DNAI2	dynein, axonemal, intermediate chain 2	0.07174	427.83	2.9213	0.0064386	1.652	3.00147	0.1679	427.83	Blood	
IFIT1B	interferon-induced protein with tetratricopeptide repeats 1	0.15954	427.43	0.3951	0.0126759	0.297	0.38511	0.1095	427.43	Blood	
MNDA	myeloid cell nuclear differentiation antigen	9.78374	422.066	3.91453	0.0309068	4.273	7.98511	2.0923	422.066	Blood	
GYPA	glycophorin A (MNS blood group)	0.0166	333.829	0.09705	0.0082046	0.046	0.27031	0.0868	333.829	Blood	
TUBB1	tubulin, beta 1 class VI	2.86652	321.042	8.83069	0.2702692	9.062	7.0658	6.7667	321.042	Blood	
CSF3R	colony stimulating factor 3 receptor (granulocyte)	1.86434	298.799	0.74464	0.0062131	0.647	2.10644	0.5129	298.799	Blood	granulocyte-specific expression profile[5]
PPBP	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7	0.08841	293.199	0.03981	0.0054294	0.017	0.29933	0.0166	293.199	Blood	
IKZF1	IKAROS family zinc finger 1 (Ikaros)	5.69602	284.778	7.39798	0.0013347	6.907	5.0687	5.6931	284.778	Blood	
FAIM3	Fas apoptotic inhibitory molecule 3	4.4721	274.113	5.71989	4.2443931	4.704	3.427	4.6085	274.113	Blood	
PHOSPHO1	phosphatase, orphan 1	1.19298	259.229	3.84816	0.0813775	4.355	1.38958	4.1806	259.229	Blood	
LOC103218320	multidrug resistance-associated protein 1-like	0.0276	258.752	3.0322	0.0050187	3.573	0.6083	4.0503	258.752	Blood	
PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated p	3.96477	247.138	1.88494	0.2962148	1.441	3.51085	1.5907	247.138	Blood	
SAMD9	sterile alpha motif domain containing 9	7.67217	241.471	5.60187	0.728545	7.457	3.67927	2.8625	241.471	Blood	
FYB	FYN binding protein	6.60373	240.504	7.37868	0.2835352	8.762	6.89427	5.5687	240.504	Blood	
TAGAP	T-cell activation RhoGTPase activating protein	3.1357	221.868	5.36609	0.7699518	5.603	2.2658	3.8776	221.868	Blood	
RGS18	regulator of G-protein signaling 18	1.92409	214.933	3.81188	0.0085742	5.112	1.51364	3.7099	214.933	Blood	

Supplementary Table 3. Genes with high expression in one of the seven tissues evaluated with RNA-Seq. Presented are the means per tissue of CPM of TMM normalized count data. References are provided at the bottom of the table.

VervetGeneSymbol	Description	Adrenal	Blood	Caudate	Fibroblast	Hippo	Pituitary	BA46	Max	Tissue.Max	Gene links to the tissue function*
CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (gran	5.76557	212.738	2.41002	0.2373445	2.453	4.27773	2.2889	212.738	Blood	granulocyte-specific expression profile[5]
WDFY4	WDFY family member 4	9.0863	211.01	8.28788	0.1456566	8.052	4.06722	6.1162	211.01	Blood	
HCLS1	hematopoietic cell-specific Lyn substrate 1	9.85568	210.45	5.04323	0.3959009	5.299	7.93302	4.0685	210.45	Blood	
CCR7	chemokine (C-C motif) receptor 7	0.90704	210.431	0.1255	1.1361711	0.151	0.521	0.1869	210.431	Blood	
ITK	IL2-inducible T-cell kinase	1.20429	207.227	1.29309	0.004317	0.116	0.60054	0.1465	207.227	Blood	
LCK	lymphocyte-specific protein tyrosine kinase	3.22682	206.222	0.17094	0.0051783	0.558	1.4517	0.2232	206.222	Blood	
SYK	spleen tyrosine kinase	5.36424	202.679	6.13767	0.0092155	6.222	4.91539	5.8755	202.679	Blood	B-lymphocytes-specific expression profile[5]
ICAM4	intercellular adhesion molecule 4 (Landsteiner-Wiener bloo	0.58076	202.447	0.36422	0.5094981	1.455	0.45466	1.3257	202.447	Blood	
SLA	Src-like-adaptor	4.55569	201.596	4.93429	0.6827327	4.81	4.65201	7.6022	201.596	Blood	
BIN2	bridging integrator 2	8.56543	197.903	9.19053	0.0103679	9.271	6.77759	7.4435	197.903	Blood	
ITGB7	integrin, beta 7	2.26861	192.36	1.39781	0.2896981	1.11	1.25833	1.1638	192.36	Blood	
EPB42	erythrocyte membrane protein band 4.2	0.17348	185.244	0.54186	0.0146697	0.643	0.5039	0.7406	185.244	Blood	
RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, smal	8.47778	182.007	0.34371	0.1670654	0.362	4.07683	0.3183	182.007	Blood	a crucial role in T-cell devlopment[6]
ARHGAP15	Rho GTPase activating protein 15	2.48094	180.697	2.07022	0.0134773	4.871	1.44684	3.8718	180.697	Blood	
SPTA1	spectrin, alpha, erythrocytic 1 (elliptocytosis 2)	0.0703	176.331	0.62955	0.0169989	0.027	1.06831	0.0547	176.331	Blood	
TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, de	0.156	175.366	0.09162	0.0214552	0.046	0.47142	0.0613	175.366	Blood	
GPR160	G protein-coupled receptor 160	0.37351	172.74	1.84634	2.0446647	4.499	1.51714	2.3069	172.74	Blood	
TMEM154	transmembrane protein 154	0.75609	171.639	0.83376	4.1035227	1.347	1.57482	1.5051	171.639	Blood	
TRIM58	tripartite motif containing 58	1.3372	169.446	1.31528	2.3272836	8.429	3.29084	6.0942	169.446	Blood	
MYO1G	myosin IG	4.87605	167.294	1.3589	0.0335384	0.31	2.13445	0.7187	167.294	Blood	
NCF2	neutrophil cytosolic factor 2	6.94626	160.915	6.36527	0.1752165	6.585	6.59206	4.2583	160.915	Blood	granulocyte-specific expression profile[5]
CXCR2	chemokine (C-X-C motif) receptor 2	0.37292	160.77	0.45831	0.0063517	0.475	0.7306	0.3963	160.77	Blood	
HBM	hemoglobin, mu	0.01872	158.583	0.16214	0.004093	0.146	0.49123	0.0233	158.583	Blood	
NFE2	nuclear factor, erythroid 2	0.12315	150.242	0.11881	0.0996207	0.138	3.65572	0.0624	150.242	Blood	
TBC1D10C	TBC1 domain family, member 10C	2.46192	149.682	2.04228	0.1177031	0.686	2.65843	0.8981	149.682	Blood	
DPEP2	dipeptidase 2	4.1437	149.173	0.46393	0.0519735	0.52	1.75374	0.368	149.173	Blood	
NLRP12	NLR family, pyrin domain containing 12	0.71242	146.294	0.14345	0.0972757	0.44	0.25348	0.2669	146.294	Blood	
IL16	interleukin 16	9.05422	141.607	4.35364	1.9403878	3.384	4.54366	2.3579	141.607	Blood	
CD247	CD247 molecule	1.49865	139.885	0.39725	0.0440795	0.271	1.94811	0.3561	139.885	Blood	a component of T-cell receptor complex on the surface of T-cell lymphocytes
GIMAP7	GTPase, IMAP family member 7	8.44495	139.628	2.53748	0.0055401	2.104	5.47873	1.806	139.628	Blood	
IDO1	indoleamine 2,3-dioxygenase 1	4.72264	134.578	0.09899	0.0168587	0.154	1.35854	0.1319	134.578	Blood	
SASH3	SAM and SH3 domain containing 3	4.94053	129.76	3.51595	0.0578001	3.67	4.07672	2.9602	129.76	Blood	
ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte functio	3.5473	125.127	1.46544	0.0330256	0.965	2.22777	0.9641	125.127	Blood	
CD28	CD28 molecule	0.64319	123.58	0.37204	0.0074687	0.563	0.5559	0.4777	123.58	Blood	expressed in T-lymphocytes[8]
GRAP	GRB2-related adaptor protein	4.61528	123.495	3.82252	0.0293726	2.915	3.10314	3.3656	123.495	Blood	
ACAP1	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	4.49456	122.338	5.16906	0.6244673	2.891	3.96063	5.2017	122.338	Blood	
PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic su	3.96204	120.873	4.66636	0.0187881	4.481	3.02214	3.834	120.873	Blood	
ARHGAP25	Rho GTPase activating protein 25	5.56771	120.404	3.09473	0.0910841	3.375	4.67395	4.3869	120.404	Blood	
C5H16orf54	chromosome 5 open reading frame, human C16orf54	1.76697	120.069	1.78915	0.0017853	1.399	1.45079	0.9107	120.069	Blood	
GRAP2	GRB2-related adaptor protein 2	0.67118	115.758	9.2738	0.2629744	1.858	1.6753	4.4376	115.758	Blood	
SLFN14	schlafen family member 14	0.50108	112.603	0.11824	0.0124975	0.073	0.12506	0.088	112.603	Blood	
CEACAM8	carcinoembryonic antigen-related cell adhesion molecule 8	0.9532	110.705	0.61223	2.0276954	0.779	0.56339	1.6412	110.705	Blood	
HCK	hemopoietic cell kinase	6.67133	105.138	4.50921	0.0072104	4.085	4.25221	3.3802	105.138	Blood	
FGR	feline Gardner-Rasheed sarcoma viral oncogene homolog	6.85491	104.652	2.99501	0.0379101	2.199	2.46274	3.1518	104.652	Blood	
FCN1	ficolin (collagen/fibrinogen domain containing) 1	0.35937	104.334	0.02149	0.0037023	0.007	0.35056	0.019	104.334	Blood	
ARHGAP9	Rho GTPase activating protein 9	3.61136	104.314	3.6441	0.5965154	2.546	2.98619	3.3161	104.314	Blood	
ITGA2B	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa comple	2.54366	100.039	0.89719	0.2402636	0.927	4.22703	3.3328	100.039	Blood	plays a crucial role in the blood coagulation system and is involved in bleedin
SYNDIG1L	synapse differentiation inducing 1-like	0.00695	1.65544	1643.46	0.0062972	8.388	0.14088	6.9838	1643.46	Caudate	highly expressed in primate caudate[11]
ANKRD34B	ankyrin repeat domain 34B	0.1371	0.8741	131.476	0.6091162	5.926	0.77101	6.0818	131.476	Caudate	
GPR149	G protein-coupled receptor 149	0.14648	2.05913	100.111	0.0047378	1.301	0.22843	2.5745	100.111	Caudate	
GREM1	gremlin 1, DAN family BMP antagonist	0.85543	2.73165	6.95508	2717.083	6.603	7.19289	3.5768	2717.08	Fibroblast	
LRRC15	leucine rich repeat containing 15	1.46922	3.19143	0.37839	1326.0936	0.104	0.13224	0.021	1326.09	Fibroblast	
MFAP5	microfibrillar associated protein 5	3.64449	1.45438	0.0605	576.90715	2.437	2.40718	0.036	576.907	Fibroblast	

Supplementary Table 3. Genes with high expression in one of the seven tissues evaluated with RNA-Seq. Presented are the means per tissue of CPM of TMM normalized count data. References are provided at the bottom of the table.

VervetGeneSymbol	Description	Adrenal	Blood	Caudate	Fibroblast	Hippo	Pituitary	BA46	Max	Tissue.Max	Gene links to the tissue function*
ADAMTS12	ADAM metallopeptidase with thrombospondin type 1 motif	6.26744	5.88702	0.81667	483.66447	1.797	1.78261	5.3783	483.664	Fibroblast	
KRT7	keratin 7	0.98287	1.8237	0.04404	436.75437	0.331	8.12842	1.6153	436.754	Fibroblast	
LOX	lysyl oxidase	6.87638	2.48235	0.76194	360.80632	5.541	3.24337	2.1599	360.806	Fibroblast	involved in connective tissues functions[12]
DKK1	dickkopf WNT signaling pathway inhibitor 1	2.68719	0.66992	0.17735	323.48887	0.349	3.1234	2.2633	323.489	Fibroblast	expressed in fibroblasts[13]
CREB3L1	cAMP responsive element binding protein 3-like 1	8.11879	2.45756	0.76705	251.01609	1.278	8.83631	1.3623	251.016	Fibroblast	
FAP	fibroblast activation protein, alpha	5.42582	2.06841	0.27513	223.92162	0.311	1.66847	3.054	223.922	Fibroblast	control of fibroblast growth[14]
LOC103228547	uncharacterized LOC103228547	8.02166	0.73147	0.95235	221.78529	7.085	1.70055	0.9114	221.785	Fibroblast	
PAPPA	pregnancy-associated plasma protein A, pappalysin 1	3.36117	4.57555	4.5746	186.49797	2.617	1.70006	5.8793	186.498	Fibroblast	
CTHRC1	collagen triple helix repeat containing 1	0.91535	1.79414	4.84924	176.73317	5.407	9.40576	5.3876	176.733	Fibroblast	
AHRR	aryl-hydrocarbon receptor repressor	2.68431	6.08175	8.62163	164.03714	6.492	6.49391	9.4615	164.037	Fibroblast	
LOC103246059	A disintegrin and metalloproteinase with thrombospondin r	2.48844	1.54259	0.6998	141.3365	1.329	1.33267	0.9723	141.336	Fibroblast	
MXRA5	matrix-remodelling associated 5	1.35586	0.7689	0.8753	140.49966	2.537	2.42318	1.7359	140.5	Fibroblast	fibroblast functions[15]
STC2	stanniocalcin 2	1.71629	3.0736	0.48159	136.16403	0.657	2.45464	1.37	136.164	Fibroblast	
NUPR1	nuclear protein, transcriptional regulator, 1	7.87828	2.41962	1.69673	128.36354	3.753	5.78662	1.5071	128.364	Fibroblast	
VGLL3	vestigial-like family member 3	2.24105	1.2349	0.43655	127.56238	3.172	0.52289	0.5052	127.562	Fibroblast	
PTGDR2	prostaglandin D2 receptor 2	4.27626	7.10525	2.56264	123.25984	2.289	4.57497	1.9674	123.26	Fibroblast	
WISP1	WNT1 inducible signaling pathway protein 1	1.15569	1.57859	0.32221	118.57036	0.46	1.2281	0.4115	118.57	Fibroblast	
GDF15	growth differentiation factor 15	1.59988	1.8955	0.55922	110.46743	1.086	0.31309	1.3943	110.467	Fibroblast	
CKAP2	cytoskeleton associated protein 2	4.03398	5.53649	3.62243	106.7829	9.4	7.68669	6.0167	106.783	Fibroblast	
POMC	proopiomelanocortin	9.13195	0.91481	2.56866	1.5617152	1.013	22141.6	1.68	22141.6	Pituitary	coding a presursor of ACTH synthesized mainly in the anterior lobe of the pit
LOC103243211	somatotropin	2.25858	0.27496	0.06203	0.4746679	0.008	8700.7	0	8700.7	Pituitary	pituitary growth hormone[17]
CGA	glycoprotein hormones, alpha polypeptide	1.17134	1.63155	0.20511	0.1448983	0.158	2333.25	0.2254	2333.25	Pituitary	glycoprotein hormone coding a subunit alpha of luteinizing hormone (LH), fo
GPR50	G protein-coupled receptor 50	0.38016	1.64213	0.06901	0.039129	0.303	402.89	0.0854	402.89	Pituitary	
PITX1	paired-like homeodomain 1	0.15652	2.62771	0.13069	2.2180586	0.428	368.347	0.0868	368.347	Pituitary	involvement in pituitary development[19]
LOC103244205	nose resistant to fluoxetine protein 6-like	0.24848	2.40042	0.19456	2.6695869	0.448	366.005	0.4421	366.005	Pituitary	
LHX3	LIM homeobox 3	0.0998	1.8607	0.17645	0.0285294	0.134	323.719	0.0869	323.719	Pituitary	transcription factor in pituitary development mutated in combined pituitary l
SIX2	SIX homeobox 2	0.4951	2.80929	0.20709	0.5668065	0.016	221.262	0.5097	221.262	Pituitary	
TBX19	T-box 19	3.93586	5.73745	1.81374	1.0612523	3.157	174.514	0.9303	174.514	Pituitary	pituitary expression[22]
IRS4	insulin receptor substrate 4	0.12948	1.71543	3.18921	0.0189929	3.671	149.549	1.9885	149.549	Pituitary	IRS-4 is restricted almost exclusively to the pituitary gland and brain[23]
CITED1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carb	4.32754	1.58345	4.40898	0.0547896	8.745	131.987	4.9819	131.987	Pituitary	
PAX7	paired box 7	0.07404	3.99654	0.02562	0.0303716	0.314	123.632	0.3955	123.632	Pituitary	pituitary expression[24]
PITX2	paired-like homeodomain 2	2.3887	3.51857	0.00565	2.8584209	0.002	100.327	0.0012	100.327	Pituitary	involved in pituitary organogenesis[25]

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Supplementary Table 3. Genes with high expression in one of the seven tissues evaluated with RNA-Seq. Presented are the means per tissue of CPM of TMM normalized count data. References are provided at the bottom of the table.

VervetGeneSymbol	Description	Adrenal	Blood	Caudate	Fibroblast	Hippo	Pituitary	BA46	Max	Tissue.Max	Gene links to the tissue function*

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Supplementary Table 4. Rank correlation values (rho) for expression comparison between vervet and human data from ABA. V=Vervet; H=Human. d=days, y=years, m=months

Age (V)	**Age (H)**	BA46 (V) vs DLPFC (H)			Caudate (V) vs Striatum (H)			Hippocampus (V) vs Hippocampus (H)		
		# of samples (V)	# of samples (H)	Rho	# of samples (V)	# of samples (H)	Rho	# of samples (V)	# of samples (H)	Rho
7 d	<=5 m	5	2	0.638	5	2	0.548	5	2	0.628
90 d	6-18 m	6	2	0.618	6	1	0.537	6	1	0.615
1-1.25 y	19m-5y	12	3	0.544	12	2	0.539	12	2	0.552
1.5-2.5 y	6-11y	22	3	0.599	22	1	0.567	23	3	0.66
3-4y	12-19y	6	3	0.603	6	2	0.512	6	3	0.601
>=5y	20-60+ y	6	5	0.591	6	5	0.549	6	5	0.622

Supplementary Table 5. Rank correlation values (rho) for expression comparison between vervet and rhesus data from ABA. V=Vervet; R=Rhesus. d=days, m=months, y=years

Age(V)	**Age®**	BA46 (V) vs Medial Frontal Cortex (R)			Caudate (V) vs Basal ganglia (R)			Hippocampus (V) vs Hippocampal Cortex (R)		
		# of samples (V)	# of samples (R)	Rho	# of samples (V)	# of samples (R)	Rho	# of samples (V)	# of samples (R)	Rho
7 d	0 m	2	3	0.381	2	2	0.274	2	3	0.379
90 d	3 m	3	3	0.349	3	3	0.287	3	3	0.372
1-1.25y	12 m	6	3	0.326	6	3	0.303	6	3	0.371
>=4 y	48 m	3	3	0.339	3	3	0.288	3	3	0.376

Supplementary Table 6. Rank correlation values (rho) for expression comparison between vervet and human GTEx

Vervet-GTEx Comparison

Vervet		**Human**		**Correlation (rho)**
Tissue	# of Samples	Tissue	# of Samples	
Adrenal	58	Adrenal	126	0.794
Blood	58	Blood	338	0.78
Caudate	57	Caudate	100	0.683
Hippocampus	58	Hippocampus	81	0.717
Pituitary	58	Pituitary	87	0.795

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
ADAD1	adenosine deaminase domain containing 1	Adrenal	3
AGXT2	alanine--glyoxylate aminotransferase 2	Adrenal	3
ARHGAP36	Rho GTPase activating protein 36	Adrenal	3
ARHGAP8	Rho GTPase activating protein 8	Adrenal	3
B4GALNT2	beta-1,4-N-acetyl-galactosaminyltransferase 2	Adrenal	3
C16H17orf107	chromosome 16 open reading frame, human C17orf107	Adrenal	3
C23H5orf46	chromosome 23 open reading frame, human C5orf46	Adrenal	3
C26H15orf43	telomere repeat binding bouquet formation protein 2	Adrenal	3
C6H19orf26	CACN beta subunit associated regulatory protein	Adrenal	3
C9H10orf82	chromosome 9 open reading frame, human C10orf82	Adrenal	3
CADM2	cell adhesion molecule 2	Adrenal	3
CCDC33	coiled-coil domain containing 33	Adrenal	3
CGA	glycoprotein hormones, alpha polypeptide	Adrenal	3
CKM	creatine kinase, M-type	Adrenal	3
CNTNAP2	contactin associated protein-like 2	Adrenal	3
COCH	cochlin	Adrenal	3
CPN2	carboxypeptidase N subunit 2	Adrenal	3
CPNE4	copine 4	Adrenal	3
CYR61	cysteine rich angiogenic inducer 61	Adrenal	3
DDX3Y	DEAD-box helicase 3, Y-linked	Adrenal	3
DNER	delta/notch like EGF repeat containing	Adrenal	3
DPEP1	dipeptidase 1 (renal)	Adrenal	3
DUSP9	dual specificity phosphatase 9	Adrenal	3
EGR3	early growth response 3	Adrenal	3
EVX1	even-skipped homeobox 1	Adrenal	3
FERMT1	fermitin family member 1	Adrenal	3
FOSB	FosB proto-oncogene, AP-1 transcription factor subunit	Adrenal	3
FTHL17	ferritin heavy chain like 17	Adrenal	3
GIPC2	GIPC PDZ domain containing family member 2	Adrenal	3
GJC2	gap junction protein gamma 2	Adrenal	3
GPR101	G protein-coupled receptor 101	Adrenal	3
GPR149	G protein-coupled receptor 149	Adrenal	3
GPR22	G protein-coupled receptor 22	Adrenal	3
GRIN3B	glutamate ionotropic receptor NMDA type subunit 3B	Adrenal	3
HAND1	heart and neural crest derivatives expressed 1	Adrenal	3
HP	haptoglobin	Adrenal	3
IFI6	interferon alpha inducible protein 6	Adrenal	3
IRX2	iroquois homeobox 2	Adrenal	3
ISG15	ISG15 ubiquitin-like modifier	Adrenal	3
KCNC2	potassium voltage-gated channel subfamily C member 2	Adrenal	3
KDM5D	lysine demethylase 5D	Adrenal	3
KLK3	kallikrein related peptidase 3	Adrenal	3
KRBOX1	KRAB box domain containing 1	Adrenal	3
LOC103214525	steroidogenic acute regulatory protein, mitochondrial-like	Adrenal	3
LOC103214550	ferritin heavy chain pseudogene	Adrenal	3
LOC103214638	uncharacterized LOC103214638	Adrenal	3
LOC103214639	probable ATP-dependent RNA helicase DDX6	Adrenal	3
LOC103214682	uncharacterized LOC103214682	Adrenal	3
LOC103214794	uncharacterized LOC103214794	Adrenal	3
LOC103215213	spermine synthase pseudogene	Adrenal	3
LOC103215237	uncharacterized LOC103215237	Adrenal	3
LOC103215347	uncharacterized LOC103215347	Adrenal	3
LOC103215782	60S ribosomal protein L9 pseudogene	Adrenal	3
LOC103216847	uncharacterized LOC103216847	Adrenal	3
LOC103216848	uncharacterized LOC103216848	Adrenal	3
LOC103217010	60S ribosomal protein L12 pseudogene	Adrenal	3
LOC103217729	gamma-crystallin D	Adrenal	3
LOC103217948	uncharacterized LOC103217948	Adrenal	3
LOC103218076	alkaline phosphatase, placental-like	Adrenal	3
LOC103218078	uncharacterized LOC103218078	Adrenal	3
LOC103218277	endothelin-converting enzyme-like 1	Adrenal	3
LOC103218335	endothelin-converting enzyme-like 1	Adrenal	3
LOC103218363	uncharacterized LOC103218363	Adrenal	3
LOC103218706	elongation factor 1-alpha 1 pseudogene	Adrenal	3
LOC103219050	uncharacterized LOC103219050	Adrenal	3
LOC103219409	uncharacterized LOC103219409	Adrenal	3
LOC103219451	ubiquitin-40S ribosomal protein S27a pseudogene	Adrenal	3
LOC103219985	regenerating islet-derived protein 3-alpha	Adrenal	3

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103219988	lithostathine-1-alpha-like	Adrenal	3
LOC103219990	regenerating islet-derived protein 3-gamma	Adrenal	3
LOC103220053	60S ribosomal protein L3 pseudogene	Adrenal	3
LOC103221597	heterogeneous nuclear ribonucleoprotein H-like	Adrenal	3
LOC103221683	major histocompatibility complex, class II, DP alpha 1	Adrenal	3
LOC103221786	class I histocompatibility antigen, Gogo-B*0101 alpha chain-like	Adrenal	3
LOC103221843	HLA class I histocompatibility antigen, alpha chain G-like	Adrenal	3
LOC103222059	60S ribosomal protein L3 pseudogene	Adrenal	3
LOC103222213	peptidyl-prolyl cis-trans isomerase A pseudogene	Adrenal	3
LOC103222346	uncharacterized LOC103222346	Adrenal	3
LOC103222361	HLA class I histocompatibility antigen, B-14 alpha chain-like	Adrenal	3
LOC103222374	uncharacterized LOC103222374	Adrenal	3
LOC103222418	26S protease regulatory subunit 6A pseudogene	Adrenal	3
LOC103223519	uncharacterized LOC103223519	Adrenal	3
LOC103224452	60S ribosomal protein L5 pseudogene	Adrenal	3
LOC103224596	60S ribosomal protein L29-like	Adrenal	3
LOC103224767	uncharacterized LOC103224767	Adrenal	3
LOC103225055	non-histone chromosomal protein HMG-17 pseudogene	Adrenal	3
LOC103225263	uncharacterized LOC103225263	Adrenal	3
LOC103225291	hemoglobin subunit alpha	Adrenal	3
LOC103225416	BRCA2 and CDKN1A-interacting protein pseudogene	Adrenal	3
LOC103226462	60S ribosomal protein L7a pseudogene	Adrenal	3
LOC103226590	uncharacterized LOC103226590	Adrenal	3
LOC103226832	elongation factor 1-gamma-like	Adrenal	3
LOC103226903	uncharacterized LOC103226903	Adrenal	3
LOC103227063	trypsin-2-like	Adrenal	3
LOC103227729	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform pseudogene	Adrenal	3
LOC103228110	uncharacterized LOC103228110	Adrenal	3
LOC103228978	uncharacterized LOC103228978	Adrenal	3
LOC103229364	calmodulin-A pseudogene	Adrenal	3
LOC103229828	putative V-set and immunoglobulin domain-containing-like protein IGHV4OR15-8	Adrenal	3
LOC103229860	homer protein homolog 2 pseudogene	Adrenal	3
LOC103229939	putative V-set and immunoglobulin domain-containing-like protein IGHV4OR15-8	Adrenal	3
LOC103229961	uncharacterized LOC103229961	Adrenal	3
LOC103230389	putative elongation factor 1-alpha-like 3	Adrenal	3
LOC103230559	putative 60S ribosomal protein L37a	Adrenal	3
LOC103230632	uncharacterized LOC103230632	Adrenal	3
LOC103230925	heat shock cognate 71 kDa protein-like	Adrenal	3
LOC103231044	elongation factor 1-alpha 1 pseudogene	Adrenal	3
LOC103231559	trifunctional enzyme subunit beta, mitochondrial-like	Adrenal	3
LOC103231823	chloride intracellular channel protein 4 pseudogene	Adrenal	3
LOC103231930	uncharacterized LOC103231930	Adrenal	3
LOC103232041	ATP synthase subunit beta, mitochondrial pseudogene	Adrenal	3
LOC103232191	uncharacterized LOC103232191	Adrenal	3
LOC103232291	stress-induced-phosphoprotein 1 pseudogene	Adrenal	3
LOC103232315	AP-2 complex subunit beta pseudogene	Adrenal	3
LOC103232474	non-histone chromosomal protein HMG-14 pseudogene	Adrenal	3
LOC103232530	cytochrome c oxidase subunit 6A1, mitochondrial pseudogene	Adrenal	3
LOC103232772	synaptonemal complex protein 3-like	Adrenal	3
LOC103232774	melanoma-associated antigen 4-like	Adrenal	3
LOC103233496	tubulin beta-3 chain	Adrenal	3
LOC103233816	C-type lectin domain family 4 member G-like	Adrenal	3
LOC103234510	elongation factor 1-alpha 1 pseudogene	Adrenal	3
LOC103235197	14-3-3 protein epsilon pseudogene	Adrenal	3
LOC103235251	ATP-dependent zinc metalloprotease YME1L1 pseudogene	Adrenal	3
LOC103235253	trifunctional enzyme subunit beta, mitochondrial-like	Adrenal	3
LOC103235262	leukocyte-associated immunoglobulin-like receptor 2	Adrenal	3
LOC103236223	very-long-chain enoyl-CoA reductase pseudogene	Adrenal	3
LOC103236661	uncharacterized LOC103236661	Adrenal	3
LOC103237018	40S ribosomal protein S5 pseudogene	Adrenal	3
LOC103237180	40S ribosomal protein S18 pseudogene	Adrenal	3
LOC103237550	uncharacterized LOC103237550	Adrenal	3
LOC103238179	uncharacterized LOC103238179	Adrenal	3
LOC103238951	10 kDa heat shock protein, mitochondrial pseudogene	Adrenal	3
LOC103239044	40S ribosomal protein SA-like	Adrenal	3
LOC103239517	nascent polypeptide-associated complex subunit alpha pseudogene	Adrenal	3
LOC103239891	transcription factor BTF3 pseudogene	Adrenal	3
LOC103240885	putative transcriptional regulator encoded by LINC00473	Adrenal	3

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103241006	elongation factor 1-delta-like	Adrenal	3
LOC103242126	transcription initiation factor TFIID subunit 4-like	Adrenal	3
LOC103242380	ubiquitin-40S ribosomal protein S27a-like	Adrenal	3
LOC103242477	uncharacterized LOC103242477	Adrenal	3
LOC103242499	CMT1A duplicated region transcript 15 protein-like protein	Adrenal	3
LOC103243156	60S ribosomal protein L17 pseudogene	Adrenal	3
LOC103243211	somatotropin	Adrenal	3
LOC103244762	ovomucoid-like	Adrenal	3
LOC103245358	40S ribosomal protein S17 pseudogene	Adrenal	3
LOC103245711	uncharacterized LOC103245711	Adrenal	3
LOC103246092	U3 small nucleolar ribonucleoprotein protein MPP10-like	Adrenal	3
LOC103246666	farnesyl pyrophosphate synthase pseudogene	Adrenal	3
LOC103246967	40S ribosomal protein S4, Y isoform 1	Adrenal	3
LOC103246978	uncharacterized LOC103246978	Adrenal	3
LOC103246986	gamma-taxilin-like	Adrenal	3
LOC103246988	eukaryotic translation initiation factor 1A, Y-chromosomal	Adrenal	3
LOC103246990	uncharacterized LOC103246990	Adrenal	3
LOC103246991	uncharacterized LOC103246991	Adrenal	3
LOC103246992	40S ribosomal protein S4, Y isoform 1	Adrenal	3
LOC103248959	thymosin beta-4 pseudogene	Adrenal	3
LRRC8E	leucine rich repeat containing 8 family member E	Adrenal	3
LRRTM3	leucine rich repeat transmembrane neuronal 3	Adrenal	3
MCCD1	mitochondrial coiled-coil domain 1	Adrenal	3
MX1	MX dynamin like GTPase 1	Adrenal	3
NEFL	neurofilament light	Adrenal	3
NELL2	neural EGFL like 2	Adrenal	3
NLRP2	NLR family pyrin domain containing 2	Adrenal	3
NPY	neuropeptide Y	Adrenal	3
NRSN1	neurensin 1	Adrenal	3
NRSN2	neurensin 2	Adrenal	3
NTRK1	neurotrophic receptor tyrosine kinase 1	Adrenal	3
NXPH1	neurexophilin 1	Adrenal	3
P2RX2	purinergic receptor P2X 2	Adrenal	3
PLAC1	placenta specific 1	Adrenal	3
PNMA3	paraneoplastic Ma antigen 3	Adrenal	3
POU3F1	POU class 3 homeobox 1	Adrenal	3
PRL	prolactin	Adrenal	3
PRLR	prolactin receptor	Adrenal	3
PRPH	peripherin	Adrenal	3
PRSS2	protease, serine 2	Adrenal	3
PVALB	parvalbumin	Adrenal	3
RELT	RELT, TNF receptor	Adrenal	3
RLN3	relaxin 3	Adrenal	3
SALL4	spalt like transcription factor 4	Adrenal	3
SERPINE1	serpin family E member 1	Adrenal	3
SHISA2	shisa family member 2	Adrenal	3
SLC18A3	solute carrier family 18 member A3	Adrenal	3
SLC24A2	solute carrier family 24 member 2	Adrenal	3
SLC8A3	solute carrier family 8 member A3	Adrenal	3
SOX30	SRY-box 30	Adrenal	3
SPINK13	serine peptidase inhibitor, Kazal type 13 (putative)	Adrenal	3
STMN2	stathmin 2	Adrenal	3
SULT2A1	sulfotransferase family 2A member 1	Adrenal	3
SYT1	synaptotagmin 1	Adrenal	3
TBX20	T-box 20	Adrenal	3
TECRL	trans-2,3-enoyl-CoA reductase like	Adrenal	3
TFAP2B	transcription factor AP-2 beta	Adrenal	3
TMEM72	transmembrane protein 72	Adrenal	3
TRIM71	tripartite motif containing 71	Adrenal	3
TSHB	thyroid stimulating hormone beta	Adrenal	3
USP9Y	ubiquitin specific peptidase 9, Y-linked	Adrenal	3
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	Adrenal	3
ZFY	zinc finger protein, Y-linked	Adrenal	3
ZNF331	zinc finger protein 331	Adrenal	3
ANKRD62	ankyrin repeat domain 62	BA46	2
APOL6	apolipoprotein L6	BA46	2
ATF3	activating transcription factor 3	BA46	2
C1QTNF9	C1q and TNF related 9	BA46	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
C20H1orf87	chromosome 20 open reading frame, human C1orf87	BA46	2
C26H15orf43	telomere repeat binding bouquet formation protein 2	BA46	2
C6	complement C6	BA46	2
C7	complement C7	BA46	2
CATSPERB	cation channel sperm associated auxiliary subunit beta	BA46	2
CD74	CD74 molecule	BA46	2
CETP	cholesteryl ester transfer protein	BA46	2
CHRNA3	cholinergic receptor nicotinic alpha 3 subunit	BA46	2
CHRNA9	cholinergic receptor nicotinic alpha 9 subunit	BA46	2
CILP2	cartilage intermediate layer protein 2	BA46	2
CLRN2	clarin 2	BA46	2
CNDP1	carnosine dipeptidase 1	BA46	2
CNN1	calponin 1	BA46	2
CPB1	carboxypeptidase B1	BA46	2
CRISP2	cysteine rich secretory protein 2	BA46	2
CRISPLD1	cysteine rich secretory protein LCCL domain containing 1	BA46	2
CTAG2	cancer/testis antigen 2	BA46	2
CXCL10	C-X-C motif chemokine ligand 10	BA46	2
DDX3Y	DEAD-box helicase 3, Y-linked	BA46	2
DDX60	DExD/H-box helicase 60	BA46	2
DNAJB3	DnaJ heat shock protein family (Hsp40) member B3	BA46	2
DPPA5	developmental pluripotency associated 5	BA46	2
ELF5	E74 like ETS transcription factor 5	BA46	2
FBXO39	F-box protein 39	BA46	2
FMO3	flavin containing monooxygenase 3	BA46	2
GINS4	GINS complex subunit 4	BA46	2
GJB4	gap junction protein beta 4	BA46	2
GPC3	glypican 3	BA46	2
GPR143	G protein-coupled receptor 143	BA46	2
GPR6	G protein-coupled receptor 6	BA46	2
IFI44	interferon induced protein 44	BA46	2
IFI44L	interferon induced protein 44 like	BA46	2
KDM5D	lysine demethylase 5D	BA46	2
KERA	keratocan	BA46	2
KLK1	kallikrein 1	BA46	2
KLK15	kallikrein related peptidase 15	BA46	2
KLKB1	kallikrein B1	BA46	2
KRBOX1	KRAB box domain containing 1	BA46	2
KRT7	keratin 7	BA46	2
LOC103214547	beta-citrylglutamate synthase B pseudogene	BA46	2
LOC103214954	uncharacterized LOC103214954	BA46	2
LOC103215442	POTE ankyrin domain family member B2-like	BA46	2
LOC103215612	putative UPF0607 protein ENSP00000382826	BA46	2
LOC103215615	uncharacterized LOC103215615	BA46	2
LOC103215729	uncharacterized LOC103215729	BA46	2
LOC103216766	putative vomeronasal receptor-like protein 4	BA46	2
LOC103216854	uncharacterized LOC103216854	BA46	2
LOC103217617	aldehyde oxidase 4-like	BA46	2
LOC103217729	gamma-crystallin D	BA46	2
LOC103218379	unconventional myosin-Vb pseudogene	BA46	2
LOC103218546	pregnancy zone protein	BA46	2
LOC103219098	uncharacterized LOC103219098	BA46	2
LOC103219099	uncharacterized LOC103219099	BA46	2
LOC103220153	protein IQ-DOMAIN 14-like	BA46	2
LOC103220854	ARF GTPase-activating protein GIT1 pseudogene	BA46	2
LOC103220953	uncharacterized LOC103220953	BA46	2
LOC103221671	uncharacterized LOC103221671	BA46	2
LOC103221684	major histocompatibility complex, class II, DO alpha	BA46	2
LOC103221700	HLA class II histocompatibility antigen, DRB1-4 beta chain-like	BA46	2
LOC103221702	HLA class II histocompatibility antigen, DRB1-4 beta chain	BA46	2
LOC103221704	major histocompatibility complex, class II, DR alpha	BA46	2
LOC103221720	tenascin XA (pseudogene)	BA46	2
LOC103221773	class I histocompatibility antigen, Gogo-B*0102 alpha chain-like	BA46	2
LOC103221779	HLA class I histocompatibility antigen, B-46 alpha chain-like	BA46	2
LOC103221781	class I histocompatibility antigen, Gogo-B*0103 alpha chain-like	BA46	2
LOC103221783	HLA class I histocompatibility antigen, B-15 alpha chain-like	BA46	2
LOC103221786	class I histocompatibility antigen, Gogo-B*0101 alpha chain-like	BA46	2
LOC103221790	uncharacterized LOC103221790	BA46	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103221792	saoe class I histocompatibility antigen, A alpha chain-like	BA46	2
LOC103221843	HLA class I histocompatibility antigen, alpha chain G-like	BA46	2
LOC103221863	mamu class I histocompatibility antigen, alpha chain F-like	BA46	2
LOC103221867	HLA class I histocompatibility antigen, B-38 alpha chain-like	BA46	2
LOC103221925	olfactory receptor 2B6-like	BA46	2
LOC103222083	uncharacterized LOC103222083	BA46	2
LOC103222361	HLA class I histocompatibility antigen, B-14 alpha chain-like	BA46	2
LOC103222365	putative olfactory receptor 2I1	BA46	2
LOC103223461	uncharacterized LOC103223461	BA46	2
LOC103223596	uncharacterized LOC103223596	BA46	2
LOC103223757	olfactory receptor 10J1-like	BA46	2
LOC103223762	olfactory receptor 10J1-like	BA46	2
LOC103224012	uncharacterized LOC103224012	BA46	2
LOC103224103	glyceraldehyde-3-phosphate dehydrogenase pseudogene	BA46	2
LOC103224105	glyceraldehyde-3-phosphate dehydrogenase pseudogene	BA46	2
LOC103224107	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1-like	BA46	2
LOC103224108	putative RNA polymerase II subunit A C-terminal domain phosphatase SSU72-like protein 2	BA46	2
LOC103224327	neuroblastoma breakpoint family member 4-like	BA46	2
LOC103224379	high mobility group protein B3 pseudogene	BA46	2
LOC103225878	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1 pseudogene	BA46	2
LOC103225919	phosphate carrier protein, mitochondrial pseudogene	BA46	2
LOC103226029	ribonuclease T2 pseudogene	BA46	2
LOC103226088	uncharacterized LOC103226088	BA46	2
LOC103226590	uncharacterized LOC103226590	BA46	2
LOC103226929	aldo-keto reductase family 1 member B10-like	BA46	2
LOC103226936	uncharacterized LOC103226936	BA46	2
LOC103227997	uncharacterized LOC103227997	BA46	2
LOC103228754	uncharacterized LOC103228754	BA46	2
LOC103231504	putative golgin subfamily A member 6-like protein 8	BA46	2
LOC103231552	uncharacterized LOC103231552	BA46	2
LOC103231553	uncharacterized LOC103231553	BA46	2
LOC103231554	60S ribosomal protein L24-like	BA46	2
LOC103231593	zinc finger protein 729-like	BA46	2
LOC103231790	uncharacterized LOC103231790	BA46	2
LOC103231837	uncharacterized LOC103231837	BA46	2
LOC103231952	angiogenic factor with G patch and FHA domains 1 pseudogene	BA46	2
LOC103232191	uncharacterized LOC103232191	BA46	2
LOC103233035	metallothionein-1E-like	BA46	2
LOC103234401	zinc finger protein 85-like	BA46	2
LOC103234406	uncharacterized LOC103234406	BA46	2
LOC103234986	galactoside 2-alpha-L-fucosyltransferase 2	BA46	2
LOC103235388	uncharacterized LOC103235388	BA46	2
LOC103235584	UDP-glucuronosyltransferase 2B4-like	BA46	2
LOC103235585	UDP-glucuronosyltransferase 2B23	BA46	2
LOC103236661	uncharacterized LOC103236661	BA46	2
LOC103236959	transient receptor potential cation channel subfamily A member 1-like	BA46	2
LOC103237729	uncharacterized protein FLJ40521-like	BA46	2
LOC103237869	uncharacterized LOC103237869	BA46	2
LOC103238179	uncharacterized LOC103238179	BA46	2
LOC103239373	uncharacterized LOC103239373	BA46	2
LOC103240473	uncharacterized LOC103240473	BA46	2
LOC103240493	40S ribosomal protein S24 pseudogene	BA46	2
LOC103240941	uncharacterized LOC103240941	BA46	2
LOC103242499	CMT1A duplicated region transcript 15 protein-like protein	BA46	2
LOC103242671	uncharacterized LOC103242671	BA46	2
LOC103242716	uncharacterized LOC103242716	BA46	2
LOC103243248	leucine-rich repeat-containing protein 37A-like	BA46	2
LOC103243770	uncharacterized LOC103243770	BA46	2
LOC103244037	uncharacterized LOC103244037	BA46	2
LOC103244121	uncharacterized LOC103244121	BA46	2
LOC103244746	uncharacterized LOC103244746	BA46	2
LOC103244873	uncharacterized LOC103244873	BA46	2
LOC103245207	golgin subfamily A member 2-like	BA46	2
LOC103245980	shadow of prion protein-like	BA46	2
LOC103246187	uncharacterized LOC103246187	BA46	2
LOC103246188	uncharacterized LOC103246188	BA46	2
LOC103246200	WD repeat-containing protein 5 pseudogene	BA46	2
LOC103246313	40S ribosomal protein S7 pseudogene	BA46	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103246510	uncharacterized LOC103246510	BA46	2
LOC103246852	uncharacterized LOC103246852	BA46	2
LOC103246967	40S ribosomal protein S4, Y isoform 1	BA46	2
LOC103246968	heat shock transcription factor, Y-linked-like	BA46	2
LOC103246974	developmental pluripotency-associated protein 2 pseudogene	BA46	2
LOC103246975	uncharacterized LOC103246975	BA46	2
LOC103246978	uncharacterized LOC103246978	BA46	2
LOC103246979	ribose-phosphate pyrophosphokinase 2 pseudogene	BA46	2
LOC103246980	uncharacterized LOC103246980	BA46	2
LOC103246982	acylglycerol kinase, mitochondrial pseudogene	BA46	2
LOC103246983	neuroligin-4, X-linked-like	BA46	2
LOC103246986	gamma-taxilin-like	BA46	2
LOC103246988	eukaryotic translation initiation factor 1A, Y-chromosomal	BA46	2
LOC103246990	uncharacterized LOC103246990	BA46	2
LOC103246991	uncharacterized LOC103246991	BA46	2
LOC103246992	40S ribosomal protein S4, Y isoform 1	BA46	2
LOC103246998	ankyrin repeat domain-containing protein 37 pseudogene	BA46	2
LOC103247901	hemoglobin subunit beta	BA46	2
LTF	lactotransferrin	BA46	2
LY6K	lymphocyte antigen 6 family member K	BA46	2
MALRD1	MAM and LDL receptor class A domain containing 1	BA46	2
MB21D1	Mab-21 domain containing 1	BA46	2
MDFI	MyoD family inhibitor	BA46	2
MEOX1	mesenchyme homeobox 1	BA46	2
MGP	matrix Gla protein	BA46	2
MS4A6A	membrane spanning 4-domains A6A	BA46	2
MSH5	mutS homolog 5	BA46	2
MUSK	muscle associated receptor tyrosine kinase	BA46	2
MX2	MX dynamin like GTPase 2	BA46	2
MYOC	myocilin	BA46	2
NHLH2	nescient helix-loop-helix 2	BA46	2
NR5A2	nuclear receptor subfamily 5 group A member 2	BA46	2
OAS2	2'-5'-oligoadenylate synthetase 2	BA46	2
PAX7	paired box 7	BA46	2
PKP1	plakophilin 1	BA46	2
PRSS45	protease, serine 45	BA46	2
PTPN20B	protein tyrosine phosphatase, non-receptor type 20	BA46	2
RGS21	regulator of G-protein signaling 21	BA46	2
SERPINB13	serpin family B member 13	BA46	2
SLC16A12	solute carrier family 16 member 12	BA46	2
SPDYE4	speedy/RINGO cell cycle regulator family member E4	BA46	2
STC2	stanniocalcin 2	BA46	2
SYCE1	synaptonemal complex central element protein 1	BA46	2
SYTL1	synaptotagmin like 1	BA46	2
TDRD5	tudor domain containing 5	BA46	2
TDRD9	tudor domain containing 9	BA46	2
THEMIS	thymocyte selection associated	BA46	2
TICRR	TOPBP1 interacting checkpoint and replication regulator	BA46	2
TMEM125	transmembrane protein 125	BA46	2
TPO	thyroid peroxidase	BA46	2
TRNAP-AGG	transfer RNA proline (anticodon AGG)	BA46	2
UGT3A1	UDP glycosyltransferase family 3 member A1	BA46	2
USP9Y	ubiquitin specific peptidase 9, Y-linked	BA46	2
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	BA46	2
VGLL2	vestigial like family member 2	BA46	2
XAF1	XIAP associated factor 1	BA46	2
XIRP2	xin actin binding repeat containing 2	BA46	2
XPNPEP2	X-prolyl aminopeptidase 2	BA46	2
ZFP57	ZFP57 zinc finger protein	BA46	2
ZFY	zinc finger protein, Y-linked	BA46	2
ADCYAP1	adenylate cyclase activating polypeptide 1	Caudate	2
AGPAT9	glycerol-3-phosphate acyltransferase 3	Caudate	2
AGT	angiotensinogen	Caudate	2
ANKRD30A	ankyrin repeat domain 30A	Caudate	2
ANKRD62	ankyrin repeat domain 62	Caudate	2
ARHGEF38	Rho guanine nucleotide exchange factor 38	Caudate	2
ASPM	abnormal spindle microtubule assembly	Caudate	2
BUB1	BUB1 mitotic checkpoint serine/threonine kinase	Caudate	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
C17H6orf10	chromosome 17 open reading frame, human C6orf10	Caudate	2
CILP2	cartilage intermediate layer protein 2	Caudate	2
CNDP1	carnosine dipeptidase 1	Caudate	2
COL6A5	collagen type VI alpha 5 chain	Caudate	2
CPB1	carboxypeptidase B1	Caudate	2
CPS1	carbamoyl-phosphate synthase 1	Caudate	2
CXCL11	C-X-C motif chemokine ligand 11	Caudate	2
DDX3Y	DEAD-box helicase 3, Y-linked	Caudate	2
DMP1	dentin matrix acidic phosphoprotein 1	Caudate	2
DNAJB3	DnaJ heat shock protein family (Hsp40) member B3	Caudate	2
DPEP3	dipeptidase 3	Caudate	2
DPPA5	developmental pluripotency associated 5	Caudate	2
DSP	desmoplakin	Caudate	2
ERVMER34-1	endogenous retrovirus group MER34 member 1, envelope	Caudate	2
FAM163B	family with sequence similarity 163 member B	Caudate	2
FAT2	FAT atypical cadherin 2	Caudate	2
FCAR	Fc fragment of IgA receptor	Caudate	2
GABRA6	gamma-aminobutyric acid type A receptor alpha6 subunit	Caudate	2
GADL1	glutamate decarboxylase like 1	Caudate	2
GJD2	gap junction protein delta 2	Caudate	2
GPR143	G protein-coupled receptor 143	Caudate	2
HAPLN4	hyaluronan and proteoglycan link protein 4	Caudate	2
HOXD3	homeobox D3	Caudate	2
HSF4	heat shock transcription factor 4	Caudate	2
HTRA3	HtrA serine peptidase 3	Caudate	2
IL23R	interleukin 23 receptor	Caudate	2
IRX3	iroquois homeobox 3	Caudate	2
ISLR	immunoglobulin superfamily containing leucine rich repeat	Caudate	2
ITK	IL2 inducible T-cell kinase	Caudate	2
KDM5D	lysine demethylase 5D	Caudate	2
KLHL4	kelch like family member 4	Caudate	2
KLK1	kallikrein 1	Caudate	2
KLK15	kallikrein related peptidase 15	Caudate	2
KRBOX1	KRAB box domain containing 1	Caudate	2
LOC103214240	uncharacterized LOC103214240	Caudate	2
LOC103214954	uncharacterized LOC103214954	Caudate	2
LOC103215075	succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial-like	Caudate	2
LOC103215493	uncharacterized LOC103215493	Caudate	2
LOC103215615	uncharacterized LOC103215615	Caudate	2
LOC103216172	uncharacterized LOC103216172	Caudate	2
LOC103216766	putative vomeronasal receptor-like protein 4	Caudate	2
LOC103216848	uncharacterized LOC103216848	Caudate	2
LOC103216882	cytochrome P450 family 27 subfamily C member 1	Caudate	2
LOC103217040	uncharacterized LOC103217040	Caudate	2
LOC103218057	uncharacterized LOC103218057	Caudate	2
LOC103218206	olfactory receptor 6B3	Caudate	2
LOC103218379	unconventional myosin-Vb pseudogene	Caudate	2
LOC103218511	C-type lectin domain family 4 member C-like	Caudate	2
LOC103218545	alpha-2-macroglobulin-like	Caudate	2
LOC103218697	uncharacterized LOC103218697	Caudate	2
LOC103218793	uncharacterized LOC103218793	Caudate	2
LOC103218849	C-type lectin domain family 4 member C pseudogene	Caudate	2
LOC103218865	C-type lectin domain family 4 member C-like	Caudate	2
LOC103219098	uncharacterized LOC103219098	Caudate	2
LOC103219657	uncharacterized LOC103219657	Caudate	2
LOC103220361	uncharacterized LOC103220361	Caudate	2
LOC103220719	aryl hydrocarbon receptor-like	Caudate	2
LOC103220953	uncharacterized LOC103220953	Caudate	2
LOC103220966	uncharacterized LOC103220966	Caudate	2
LOC103221007	uncharacterized LOC103221007	Caudate	2
LOC103221295	uncharacterized LOC103221295	Caudate	2
LOC103221683	major histocompatibility complex, class II, DP alpha 1	Caudate	2
LOC103221696	major histocompatibility complex, class II, DQ beta 1	Caudate	2
LOC103221700	HLA class II histocompatibility antigen, DRB1-4 beta chain-like	Caudate	2
LOC103221702	HLA class II histocompatibility antigen, DRB1-4 beta chain	Caudate	2
LOC103221703	DLA class II histocompatibility antigen, DR-1 beta chain-like	Caudate	2
LOC103221705	heterogeneous nuclear ribonucleoprotein A1-like	Caudate	2
LOC103221720	tenascin XA (pseudogene)	Caudate	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103221724	cytochrome P450 family 21 subfamily A member 2	Caudate	2
LOC103221773	class I histocompatibility antigen, Gogo-B*0102 alpha chain-like	Caudate	2
LOC103221779	HLA class I histocompatibility antigen, B-46 alpha chain-like	Caudate	2
LOC103221781	class I histocompatibility antigen, Gogo-B*0103 alpha chain-like	Caudate	2
LOC103221783	HLA class I histocompatibility antigen, B-15 alpha chain-like	Caudate	2
LOC103221786	class I histocompatibility antigen, Gogo-B*0101 alpha chain-like	Caudate	2
LOC103221792	saoe class I histocompatibility antigen, A alpha chain-like	Caudate	2
LOC103221843	HLA class I histocompatibility antigen, alpha chain G-like	Caudate	2
LOC103221863	mamu class I histocompatibility antigen, alpha chain F-like	Caudate	2
LOC103221864	keratin, type II cytoskeletal 8 pseudogene	Caudate	2
LOC103221867	HLA class I histocompatibility antigen, B-38 alpha chain-like	Caudate	2
LOC103221876	olfactory receptor 2H2-like	Caudate	2
LOC103221924	putative olfactory receptor 2W6	Caudate	2
LOC103221925	olfactory receptor 2B6-like	Caudate	2
LOC103221927	olfactory receptor 2B2-like	Caudate	2
LOC103221933	histone cluster 1, H2bo	Caudate	2
LOC103221937	histone H2B type 1-M	Caudate	2
LOC103221944	histone cluster 1, H1b	Caudate	2
LOC103222079	uncharacterized LOC103222079	Caudate	2
LOC103222083	uncharacterized LOC103222083	Caudate	2
LOC103222279	uncharacterized LOC103222279	Caudate	2
LOC103222361	HLA class I histocompatibility antigen, B-14 alpha chain-like	Caudate	2
LOC103223315	uncharacterized LOC103223315	Caudate	2
LOC103224012	uncharacterized LOC103224012	Caudate	2
LOC103224456	uncharacterized LOC103224456	Caudate	2
LOC103224846	putative selection and upkeep of intraepithelial T-cells protein 1 homolog	Caudate	2
LOC103225919	phosphate carrier protein, mitochondrial pseudogene	Caudate	2
LOC103226029	ribonuclease T2 pseudogene	Caudate	2
LOC103226041	uncharacterized LOC103226041	Caudate	2
LOC103227848	uncharacterized LOC103227848	Caudate	2
LOC103227916	uncharacterized LOC103227916	Caudate	2
LOC103227997	uncharacterized LOC103227997	Caudate	2
LOC103228240	uncharacterized LOC103228240	Caudate	2
LOC103228374	uncharacterized LOC103228374	Caudate	2
LOC103229265	disintegrin and metalloproteinase domain-containing protein 20-like	Caudate	2
LOC103229673	uncharacterized LOC103229673	Caudate	2
LOC103231241	uncharacterized LOC103231241	Caudate	2
LOC103231552	uncharacterized LOC103231552	Caudate	2
LOC103231553	uncharacterized LOC103231553	Caudate	2
LOC103231554	60S ribosomal protein L24-like	Caudate	2
LOC103231593	zinc finger protein 729-like	Caudate	2
LOC103232191	uncharacterized LOC103232191	Caudate	2
LOC103233032	metallothionein-2-like	Caudate	2
LOC103233547	uncharacterized LOC103233547	Caudate	2
LOC103234252	zinc finger protein 676-like	Caudate	2
LOC103235585	UDP-glucuronosyltransferase 2B23	Caudate	2
LOC103235936	uncharacterized LOC103235936	Caudate	2
LOC103235937	uncharacterized LOC103235937	Caudate	2
LOC103236042	uncharacterized LOC103236042	Caudate	2
LOC103236044	uncharacterized LOC103236044	Caudate	2
LOC103236253	uncharacterized LOC103236253	Caudate	2
LOC103236371	ankyrin repeat domain-containing protein 30A-like	Caudate	2
LOC103236499	keratin, type II cytoskeletal 8-like	Caudate	2
LOC103236661	uncharacterized LOC103236661	Caudate	2
LOC103236959	transient receptor potential cation channel subfamily A member 1-like	Caudate	2
LOC103237663	olfactory receptor 2V1	Caudate	2
LOC103239373	uncharacterized LOC103239373	Caudate	2
LOC103239374	uncharacterized LOC103239374	Caudate	2
LOC103239458	NHP2-like protein 1 pseudogene	Caudate	2
LOC103239535	uncharacterized LOC103239535	Caudate	2
LOC103240343	uncharacterized LOC103240343	Caudate	2
LOC103241392	uncharacterized LOC103241392	Caudate	2
LOC103241524	uncharacterized LOC103241524	Caudate	2
LOC103241538	uncharacterized LOC103241538	Caudate	2
LOC103242499	CMT1A duplicated region transcript 15 protein-like protein	Caudate	2
LOC103242547	olfactory receptor 3A1	Caudate	2
LOC103242588	uncharacterized LOC103242588	Caudate	2
LOC103242716	uncharacterized LOC103242716	Caudate	2

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103243101	uncharacterized LOC103243101	Caudate	2
LOC103243247	endophilin-A2 pseudogene	Caudate	2
LOC103243248	leucine-rich repeat-containing protein 37A-like	Caudate	2
LOC103244770	uncharacterized LOC103244770	Caudate	2
LOC103246347	uncharacterized protein C9orf78 pseudogene	Caudate	2
LOC103246967	40S ribosomal protein S4, Y isoform 1	Caudate	2
LOC103246968	heat shock transcription factor, Y-linked-like	Caudate	2
LOC103246974	developmental pluripotency-associated protein 2 pseudogene	Caudate	2
LOC103246975	uncharacterized LOC103246975	Caudate	2
LOC103246978	uncharacterized LOC103246978	Caudate	2
LOC103246979	ribose-phosphate pyrophosphokinase 2 pseudogene	Caudate	2
LOC103246980	uncharacterized LOC103246980	Caudate	2
LOC103246982	acylglycerol kinase, mitochondrial pseudogene	Caudate	2
LOC103246983	neuroligin-4, X-linked-like	Caudate	2
LOC103246986	gamma-taxilin-like	Caudate	2
LOC103246988	eukaryotic translation initiation factor 1A, Y-chromosomal	Caudate	2
LOC103246990	uncharacterized LOC103246990	Caudate	2
LOC103246991	uncharacterized LOC103246991	Caudate	2
LOC103246992	40S ribosomal protein S4, Y isoform 1	Caudate	2
LOC103246998	ankyrin repeat domain-containing protein 37 pseudogene	Caudate	2
LOC103247901	hemoglobin subunit beta	Caudate	2
LOC103248295	uncharacterized LOC103248295	Caudate	2
LOC103248363	caspase-1-like	Caudate	2
LOC103248486	uncharacterized LOC103248486	Caudate	2
MBL2	mannose binding lectin 2	Caudate	2
MLPH	melanophilin	Caudate	2
MUC22	mucin 22	Caudate	2
MYBL2	MYB proto-oncogene like 2	Caudate	2
NEUROD1	neuronal differentiation 1	Caudate	2
NKX3-1	NK3 homeobox 1	Caudate	2
OXTR	oxytocin receptor	Caudate	2
P2RX1	purinergic receptor P2X 1	Caudate	2
PLA2G2F	phospholipase A2 group IIF	Caudate	2
PPAP2C	phospholipid phosphatase 2	Caudate	2
PRL	prolactin	Caudate	2
PTPN20B	protein tyrosine phosphatase, non-receptor type 20	Caudate	2
SECTM1	secreted and transmembrane 1	Caudate	2
SHCBP1	SHC binding and spindle associated 1	Caudate	2
SLC17A3	solute carrier family 17 member 3	Caudate	2
SLC17A6	solute carrier family 17 member 6	Caudate	2
SLC6A5	solute carrier family 6 member 5	Caudate	2
SP8	Sp8 transcription factor	Caudate	2
STYK1	serine/threonine/tyrosine kinase 1	Caudate	2
TESPA1	thymocyte expressed, positive selection associated 1	Caudate	2
THEG	theg spermatid protein	Caudate	2
TMEM235	transmembrane protein 235	Caudate	2
TPO	thyroid peroxidase	Caudate	2
TRHR	thyrotropin releasing hormone receptor	Caudate	2
TRPC5	transient receptor potential cation channel subfamily C member 5	Caudate	2
TSPAN2	tetraspanin 2	Caudate	2
TSPEAR	thrombospondin type laminin G domain and EAR repeats	Caudate	2
USP9Y	ubiquitin specific peptidase 9, Y-linked	Caudate	2
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	Caudate	2
WNT9B	Wnt family member 9B	Caudate	2
ZFP57	ZFP57 zinc finger protein	Caudate	2
ZFY	zinc finger protein, Y-linked	Caudate	2
ABCA13	ATP binding cassette subfamily A member 13	Hippocampus	1
ALOX15	arachidonate 15-lipoxygenase	Hippocampus	1
ANKRD30A	ankyrin repeat domain 30A	Hippocampus	1
ARHGEF38	Rho guanine nucleotide exchange factor 38	Hippocampus	1
ATP6V0D2	ATPase H+ transporting V0 subunit d2	Hippocampus	1
AVPR1A	arginine vasopressin receptor 1A	Hippocampus	1
C12H9orf135	chromosome 12 open reading frame, human C9orf135	Hippocampus	1
C20H1orf141	chromosome 20 open reading frame, human C1orf141	Hippocampus	1
CAPSL	calcyphosine like	Hippocampus	1
CCR6	C-C motif chemokine receptor 6	Hippocampus	1
CHRNA9	cholinergic receptor nicotinic alpha 9 subunit	Hippocampus	1
CLCA2	chloride channel accessory 2	Hippocampus	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
CLRN2	clarin 2	Hippocampus	1
CNDP1	carnosine dipeptidase 1	Hippocampus	1
CNGB3	cyclic nucleotide gated channel beta 3	Hippocampus	1
CNN1	calponin 1	Hippocampus	1
COL1A1	collagen type I alpha 1 chain	Hippocampus	1
COMP	cartilage oligomeric matrix protein	Hippocampus	1
CPAMD8	C3 and PZP like, alpha-2-macroglobulin domain containing 8	Hippocampus	1
CPZ	carboxypeptidase Z	Hippocampus	1
CTAG2	cancer/testis antigen 2	Hippocampus	1
DDX3Y	DEAD-box helicase 3, Y-linked	Hippocampus	1
DMP1	dentin matrix acidic phosphoprotein 1	Hippocampus	1
DNAJB3	DnaJ heat shock protein family (Hsp40) member B3	Hippocampus	1
DRAXIN	dorsal inhibitory axon guidance protein	Hippocampus	1
EBF3	early B-cell factor 3	Hippocampus	1
FERD3L	Fer3 like bHLH transcription factor	Hippocampus	1
FFAR2	free fatty acid receptor 2	Hippocampus	1
FMO2	flavin containing monooxygenase 2	Hippocampus	1
FREM3	FRAS1 related extracellular matrix 3	Hippocampus	1
GPR101	G protein-coupled receptor 101	Hippocampus	1
GPR111	adhesion G protein-coupled receptor F2	Hippocampus	1
GPR142	G protein-coupled receptor 142	Hippocampus	1
HTATIP2	HIV-1 Tat interactive protein 2	Hippocampus	1
IFI44	interferon induced protein 44	Hippocampus	1
IL23R	interleukin 23 receptor	Hippocampus	1
ISG15	ISG15 ubiquitin-like modifier	Hippocampus	1
ISLR	immunoglobulin superfamily containing leucine rich repeat	Hippocampus	1
KDM5D	lysine demethylase 5D	Hippocampus	1
KLK1	kallikrein 1	Hippocampus	1
KLK15	kallikrein related peptidase 15	Hippocampus	1
KRBOX1	KRAB box domain containing 1	Hippocampus	1
LCK	LCK proto-oncogene, Src family tyrosine kinase	Hippocampus	1
LOC103214649	uncharacterized LOC103214649	Hippocampus	1
LOC103214759	uncharacterized LOC103214759	Hippocampus	1
LOC103214761	uncharacterized LOC103214761	Hippocampus	1
LOC103214881	asparagine synthetase [glutamine-hydrolyzing] pseudogene	Hippocampus	1
LOC103214916	uncharacterized LOC103214916	Hippocampus	1
LOC103214934	uncharacterized LOC103214934	Hippocampus	1
LOC103214935	uncharacterized LOC103214935	Hippocampus	1
LOC103215125	uncharacterized LOC103215125	Hippocampus	1
LOC103215127	uncharacterized LOC103215127	Hippocampus	1
LOC103215284	uncharacterized LOC103215284	Hippocampus	1
LOC103215442	POTE ankyrin domain family member B2-like	Hippocampus	1
LOC103215729	uncharacterized LOC103215729	Hippocampus	1
LOC103215730	putative ankyrin repeat domain-containing protein ENSP00000330211	Hippocampus	1
LOC103215870	putative BMS1-like protein	Hippocampus	1
LOC103217614	uncharacterized LOC103217614	Hippocampus	1
LOC103217729	gamma-crystallin D	Hippocampus	1
LOC103217805	uncharacterized LOC103217805	Hippocampus	1
LOC103218206	olfactory receptor 6B3	Hippocampus	1
LOC103218320	ATP-binding cassette transporter 13	Hippocampus	1
LOC103218379	unconventional myosin-Vb pseudogene	Hippocampus	1
LOC103218399	uncharacterized LOC103218399	Hippocampus	1
LOC103218597	taste 2 receptor member 8	Hippocampus	1
LOC103218793	uncharacterized LOC103218793	Hippocampus	1
LOC103219091	uncharacterized LOC103219091	Hippocampus	1
LOC103219652	uncharacterized protein FLJ46757-like	Hippocampus	1
LOC103219692	uncharacterized LOC103219692	Hippocampus	1
LOC103220953	uncharacterized LOC103220953	Hippocampus	1
LOC103221225	uncharacterized LOC103221225	Hippocampus	1
LOC103221683	major histocompatibility complex, class II, DP alpha 1	Hippocampus	1
LOC103221700	HLA class II histocompatibility antigen, DRB1-4 beta chain-like	Hippocampus	1
LOC103221720	tenascin XA (pseudogene)	Hippocampus	1
LOC103221773	class I histocompatibility antigen, Gogo-B*0102 alpha chain-like	Hippocampus	1
LOC103221779	HLA class I histocompatibility antigen, B-46 alpha chain-like	Hippocampus	1
LOC103221786	class I histocompatibility antigen, Gogo-B*0101 alpha chain-like	Hippocampus	1
LOC103221843	HLA class I histocompatibility antigen, alpha chain G-like	Hippocampus	1
LOC103221867	HLA class I histocompatibility antigen, B-38 alpha chain-like	Hippocampus	1
LOC103222066	uncharacterized LOC103222066	Hippocampus	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103222086	60S ribosomal protein L29 pseudogene	Hippocampus	1
LOC103222279	uncharacterized LOC103222279	Hippocampus	1
LOC103222322	uncharacterized LOC103222322	Hippocampus	1
LOC103222465	RNA polymerase II transcription factor SIII subunit A3-like	Hippocampus	1
LOC103222493	inhibitor of Bruton tyrosine kinase pseudogene	Hippocampus	1
LOC103222914	immunoglobulin omega chain-like	Hippocampus	1
LOC103223611	atrophin-1 pseudogene	Hippocampus	1
LOC103224012	uncharacterized LOC103224012	Hippocampus	1
LOC103224097	glyceraldehyde-3-phosphate dehydrogenase pseudogene	Hippocampus	1
LOC103224107	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1-like	Hippocampus	1
LOC103224108	putative RNA polymerase II subunit A C-terminal domain phosphatase SSU72-like protein 2	Hippocampus	1
LOC103224355	uncharacterized LOC103224355	Hippocampus	1
LOC103224886	vitamin D3 hydroxylase-associated protein-like	Hippocampus	1
LOC103225263	uncharacterized LOC103225263	Hippocampus	1
LOC103225907	omega-amidase NIT2 pseudogene	Hippocampus	1
LOC103225919	phosphate carrier protein, mitochondrial pseudogene	Hippocampus	1
LOC103226041	uncharacterized LOC103226041	Hippocampus	1
LOC103226088	uncharacterized LOC103226088	Hippocampus	1
LOC103226903	uncharacterized LOC103226903	Hippocampus	1
LOC103226931	aldo-keto reductase family 1 member B10	Hippocampus	1
LOC103227329	protein-L-isoaspartate O-methyltransferase domain-containing protein 1 pseudogene	Hippocampus	1
LOC103228545	uncharacterized LOC103228545	Hippocampus	1
LOC103228547	uncharacterized LOC103228547	Hippocampus	1
LOC103228548	uncharacterized LOC103228548	Hippocampus	1
LOC103228982	cofilin-2 pseudogene	Hippocampus	1
LOC103229122	uncharacterized LOC103229122	Hippocampus	1
LOC103229662	uncharacterized LOC103229662	Hippocampus	1
LOC103229673	uncharacterized LOC103229673	Hippocampus	1
LOC103230925	heat shock cognate 71 kDa protein-like	Hippocampus	1
LOC103231011	glutamyl-tRNA(Gln) amidotransferase subunit A, mitochondrial pseudogene	Hippocampus	1
LOC103231099	ubiquitin-conjugating enzyme E2 Q2-like	Hippocampus	1
LOC103231241	uncharacterized LOC103231241	Hippocampus	1
LOC103231244	uncharacterized LOC103231244	Hippocampus	1
LOC103231512	double homeobox protein 4C-like	Hippocampus	1
LOC103231553	uncharacterized LOC103231553	Hippocampus	1
LOC103231593	zinc finger protein 729-like	Hippocampus	1
LOC103231952	angiogenic factor with G patch and FHA domains 1 pseudogene	Hippocampus	1
LOC103232191	uncharacterized LOC103232191	Hippocampus	1
LOC103232192	uncharacterized LOC103232192	Hippocampus	1
LOC103232524	actin-related protein T1-like	Hippocampus	1
LOC103233776	tubulin beta-4A chain-like	Hippocampus	1
LOC103234223	PHD finger-like domain-containing protein 5A pseudogene	Hippocampus	1
LOC103234401	zinc finger protein 85-like	Hippocampus	1
LOC103234406	uncharacterized LOC103234406	Hippocampus	1
LOC103235014	choriogonadotropin subunit beta	Hippocampus	1
LOC103235584	UDP-glucuronosyltransferase 2B4-like	Hippocampus	1
LOC103235585	UDP-glucuronosyltransferase 2B23	Hippocampus	1
LOC103236371	ankyrin repeat domain-containing protein 30A-like	Hippocampus	1
LOC103236500	uncharacterized LOC103236500	Hippocampus	1
LOC103236604	uncharacterized LOC103236604	Hippocampus	1
LOC103236661	uncharacterized LOC103236661	Hippocampus	1
LOC103236694	proliferating cell nuclear antigen pseudogene	Hippocampus	1
LOC103237370	uncharacterized LOC103237370	Hippocampus	1
LOC103237371	uncharacterized LOC103237371	Hippocampus	1
LOC103237524	uncharacterized LOC103237524	Hippocampus	1
LOC103239390	uncharacterized LOC103239390	Hippocampus	1
LOC103239520	elongation factor 1-alpha 1 pseudogene	Hippocampus	1
LOC103239649	beta-lactoglobulin-1-like	Hippocampus	1
LOC103241059	glycerol-3-phosphate acyltransferase 2, mitochondrial	Hippocampus	1
LOC103241171	uncharacterized LOC103241171	Hippocampus	1
LOC103241834	putative uncharacterized protein UNQ6490/PRO21339	Hippocampus	1
LOC103242256	uncharacterized LOC103242256	Hippocampus	1
LOC103242499	CMT1A duplicated region transcript 15 protein-like protein	Hippocampus	1
LOC103242588	uncharacterized LOC103242588	Hippocampus	1
LOC103242716	uncharacterized LOC103242716	Hippocampus	1
LOC103243948	solute carrier family 25 member 51-like	Hippocampus	1
LOC103244016	uncharacterized LOC103244016	Hippocampus	1
LOC103244018	vegetative cell wall protein gp1-like	Hippocampus	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103245914	uncharacterized LOC103245914	Hippocampus	1
LOC103246085	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 pseudogene	Hippocampus	1
LOC103246296	uncharacterized LOC103246296	Hippocampus	1
LOC103246967	40S ribosomal protein S4, Y isoform 1	Hippocampus	1
LOC103246968	heat shock transcription factor, Y-linked-like	Hippocampus	1
LOC103246974	developmental pluripotency-associated protein 2 pseudogene	Hippocampus	1
LOC103246975	uncharacterized LOC103246975	Hippocampus	1
LOC103246978	uncharacterized LOC103246978	Hippocampus	1
LOC103246979	ribose-phosphate pyrophosphokinase 2 pseudogene	Hippocampus	1
LOC103246980	uncharacterized LOC103246980	Hippocampus	1
LOC103246981	anosmin-1-like	Hippocampus	1
LOC103246982	acylglycerol kinase, mitochondrial pseudogene	Hippocampus	1
LOC103246983	neuroligin-4, X-linked-like	Hippocampus	1
LOC103246984	uncharacterized LOC103246984	Hippocampus	1
LOC103246986	gamma-taxilin-like	Hippocampus	1
LOC103246988	eukaryotic translation initiation factor 1A, Y-chromosomal	Hippocampus	1
LOC103246990	uncharacterized LOC103246990	Hippocampus	1
LOC103246991	uncharacterized LOC103246991	Hippocampus	1
LOC103246992	40S ribosomal protein S4, Y isoform 1	Hippocampus	1
LOC103246998	ankyrin repeat domain-containing protein 37 pseudogene	Hippocampus	1
LOC103248933	caspase-1-like	Hippocampus	1
LY6K	lymphocyte antigen 6 family member K	Hippocampus	1
MKI67	marker of proliferation Ki-67	Hippocampus	1
MORC1	MORC family CW-type zinc finger 1	Hippocampus	1
MSH5	mutS homolog 5	Hippocampus	1
NEUROG3	neurogenin 3	Hippocampus	1
NPBWR1	neuropeptides B and W receptor 1	Hippocampus	1
NTSR1	neurotensin receptor 1	Hippocampus	1
OAS1	2'-5'-oligoadenylate synthetase 1	Hippocampus	1
OPN4	opsin 4	Hippocampus	1
PDYN	prodynorphin	Hippocampus	1
PIWIL2	piwi like RNA-mediated gene silencing 2	Hippocampus	1
PRDM7	PR/SET domain 7	Hippocampus	1
PTPN20B	protein tyrosine phosphatase, non-receptor type 20	Hippocampus	1
SHCBP1	SHC binding and spindle associated 1	Hippocampus	1
SIX3	SIX homeobox 3	Hippocampus	1
SLC22A12	solute carrier family 22 member 12	Hippocampus	1
SLC5A7	solute carrier family 5 member 7	Hippocampus	1
SPATA22	spermatogenesis associated 22	Hippocampus	1
SYNDIG1L	synapse differentiation inducing 1 like	Hippocampus	1
T	T brachyury transcription factor	Hippocampus	1
TDRD1	tudor domain containing 1	Hippocampus	1
THEG	theg spermatid protein	Hippocampus	1
TNIP3	TNFAIP3 interacting protein 3	Hippocampus	1
TPO	thyroid peroxidase	Hippocampus	1
UGT3A1	UDP glycosyltransferase family 3 member A1	Hippocampus	1
ULBP1	UL16 binding protein 1	Hippocampus	1
USP9Y	ubiquitin specific peptidase 9, Y-linked	Hippocampus	1
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	Hippocampus	1
WDR72	WD repeat domain 72	Hippocampus	1
WFDC1	WAP four-disulfide core domain 1	Hippocampus	1
ZFY	zinc finger protein, Y-linked	Hippocampus	1
A2ML1	alpha-2-macroglobulin like 1	Pituitary	1
ACTG2	actin, gamma 2, smooth muscle, enteric	Pituitary	1
ADAMTS20	ADAM metallopeptidase with thrombospondin type 1 motif 20	Pituitary	1
AGXT	alanine-glyoxylate aminotransferase	Pituitary	1
APOA2	apolipoprotein A2	Pituitary	1
ATF3	activating transcription factor 3	Pituitary	1
AZU1	azurocidin 1	Pituitary	1
BPI	bactericidal/permeability-increasing protein	Pituitary	1
BPIFB4	BPI fold containing family B member 4	Pituitary	1
C1H11orf86	chromosome 1 open reading frame, human C11orf86	Pituitary	1
CA1	carbonic anhydrase 1	Pituitary	1
CAMP	cathelicidin antimicrobial peptide	Pituitary	1
CARTPT	CART prepropeptide	Pituitary	1
CCDC68	coiled-coil domain containing 68	Pituitary	1
CDH9	cadherin 9	Pituitary	1
CDHR1	cadherin related family member 1	Pituitary	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
CHP2	calcineurin like EF-hand protein 2	Pituitary	1
CNN1	calponin 1	Pituitary	1
COL19A1	collagen type XIX alpha 1 chain	Pituitary	1
CRISP3	cysteine rich secretory protein 3	Pituitary	1
CST5	cystatin D	Pituitary	1
CTSG	cathepsin G	Pituitary	1
DDX3Y	DEAD-box helicase 3, Y-linked	Pituitary	1
DEFA1	defensin alpha 1	Pituitary	1
DHH	desert hedgehog	Pituitary	1
DMKN	dermokine	Pituitary	1
DNAJB3	DnaJ heat shock protein family (Hsp40) member B3	Pituitary	1
ELANE	elastase, neutrophil expressed	Pituitary	1
ESPNL	espin-like	Pituitary	1
FGF19	fibroblast growth factor 19	Pituitary	1
FLG2	filaggrin family member 2	Pituitary	1
FMO3	flavin containing monooxygenase 3	Pituitary	1
FOSB	FosB proto-oncogene, AP-1 transcription factor subunit	Pituitary	1
FSHB	follicle stimulating hormone beta subunit	Pituitary	1
FTHL17	ferritin heavy chain like 17	Pituitary	1
GFY	golgi associated olfactory signaling regulator	Pituitary	1
GIPR	gastric inhibitory polypeptide receptor	Pituitary	1
HAND2	heart and neural crest derivatives expressed 2	Pituitary	1
HAVCR1	hepatitis A virus cellular receptor 1	Pituitary	1
HEMGN	hemogen	Pituitary	1
IAPP	islet amyloid polypeptide	Pituitary	1
ISM2	isthmin 2	Pituitary	1
ITGAX	integrin subunit alpha X	Pituitary	1
KDM5D	lysine demethylase 5D	Pituitary	1
KLHL1	kelch like family member 1	Pituitary	1
KLK3	kallikrein related peptidase 3	Pituitary	1
KRBOX1	KRAB box domain containing 1	Pituitary	1
LOC103215303	theta defensin subunit A	Pituitary	1
LOC103215747	serine/threonine-protein kinase tousled-like 2	Pituitary	1
LOC103216175	fer-1-like 4 (C. elegans)	Pituitary	1
LOC103216821	mitochondrial import receptor subunit TOM22 homolog pseudogene	Pituitary	1
LOC103217729	gamma-crystallin D	Pituitary	1
LOC103218057	uncharacterized LOC103218057	Pituitary	1
LOC103218363	uncharacterized LOC103218363	Pituitary	1
LOC103218379	unconventional myosin-Vb pseudogene	Pituitary	1
LOC103218546	pregnancy zone protein	Pituitary	1
LOC103218625	basic salivary proline-rich protein 1-like	Pituitary	1
LOC103218626	basic salivary proline-rich protein 1-like	Pituitary	1
LOC103218629	basic salivary proline-rich protein 1-like	Pituitary	1
LOC103218630	basic salivary proline-rich protein 1-like	Pituitary	1
LOC103218706	elongation factor 1-alpha 1 pseudogene	Pituitary	1
LOC103219103	uncharacterized LOC103219103	Pituitary	1
LOC103219314	ADP/ATP translocase 3-like	Pituitary	1
LOC103219987	lithostathine-1-alpha	Pituitary	1
LOC103220320	ubiquitin-40S ribosomal protein S27a pseudogene	Pituitary	1
LOC103220426	uncharacterized LOC103220426	Pituitary	1
LOC103220845	extensin-like	Pituitary	1
LOC103220953	uncharacterized LOC103220953	Pituitary	1
LOC103221597	heterogeneous nuclear ribonucleoprotein H-like	Pituitary	1
LOC103221683	major histocompatibility complex, class II, DP alpha 1	Pituitary	1
LOC103221773	class I histocompatibility antigen, Gogo-B*0102 alpha chain-like	Pituitary	1
LOC103221779	HLA class I histocompatibility antigen, B-46 alpha chain-like	Pituitary	1
LOC103221786	class I histocompatibility antigen, Gogo-B*0101 alpha chain-like	Pituitary	1
LOC103221791	uncharacterized LOC103221791	Pituitary	1
LOC103221843	HLA class I histocompatibility antigen, alpha chain G-like	Pituitary	1
LOC103221863	mamu class I histocompatibility antigen, alpha chain F-like	Pituitary	1
LOC103221867	HLA class I histocompatibility antigen, B-38 alpha chain-like	Pituitary	1
LOC103222059	60S ribosomal protein L3 pseudogene	Pituitary	1
LOC103222242	uncharacterized LOC103222242	Pituitary	1
LOC103222803	phosphomannomutase 2-like	Pituitary	1
LOC103223466	uncharacterized LOC103223466	Pituitary	1
LOC103225055	non-histone chromosomal protein HMG-17 pseudogene	Pituitary	1
LOC103225263	uncharacterized LOC103225263	Pituitary	1
LOC103225291	hemoglobin subunit alpha	Pituitary	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103225416	BRCA2 and CDKN1A-interacting protein pseudogene	Pituitary	1
LOC103225474	40S ribosomal protein S14 pseudogene	Pituitary	1
LOC103225656	60S ribosomal protein L7-like	Pituitary	1
LOC103225919	phosphate carrier protein, mitochondrial pseudogene	Pituitary	1
LOC103226375	ATP-binding cassette sub-family E member 1 pseudogene	Pituitary	1
LOC103226579	Golgi apparatus membrane protein TVP23 homolog B pseudogene	Pituitary	1
LOC103226903	uncharacterized LOC103226903	Pituitary	1
LOC103227729	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform pseudogene	Pituitary	1
LOC103229447	uncharacterized LOC103229447	Pituitary	1
LOC103229828	putative V-set and immunoglobulin domain-containing-like protein IGHV4OR15-8	Pituitary	1
LOC103229848	Ig heavy chain V-III region VH26-like	Pituitary	1
LOC103230114	uncharacterized LOC103230114	Pituitary	1
LOC103230143	extensin-1	Pituitary	1
LOC103230442	tRNA (uracil(54)-C(5))-methyltransferase homolog pseudogene	Pituitary	1
LOC103231553	uncharacterized LOC103231553	Pituitary	1
LOC103231559	trifunctional enzyme subunit beta, mitochondrial-like	Pituitary	1
LOC103232041	ATP synthase subunit beta, mitochondrial pseudogene	Pituitary	1
LOC103232191	uncharacterized LOC103232191	Pituitary	1
LOC103232315	AP-2 complex subunit beta pseudogene	Pituitary	1
LOC103233555	uncharacterized LOC103233555	Pituitary	1
LOC103233753	ran-binding protein 3-like	Pituitary	1
LOC103234078	cytochrome P450 4F8	Pituitary	1
LOC103234079	leukotriene-B(4) omega-hydroxylase 2	Pituitary	1
LOC103235251	ATP-dependent zinc metalloprotease YME1L1 pseudogene	Pituitary	1
LOC103235270	leukocyte-associated immunoglobulin-like receptor 2	Pituitary	1
LOC103235584	UDP-glucuronosyltransferase 2B4-like	Pituitary	1
LOC103235585	UDP-glucuronosyltransferase 2B23	Pituitary	1
LOC103236661	uncharacterized LOC103236661	Pituitary	1
LOC103236796	mitogen-activated protein kinase 6 pseudogene	Pituitary	1
LOC103237018	40S ribosomal protein S5 pseudogene	Pituitary	1
LOC103238014	uncharacterized LOC103238014	Pituitary	1
LOC103238626	glyceraldehyde-3-phosphate dehydrogenase pseudogene	Pituitary	1
LOC103239662	ficolin-2	Pituitary	1
LOC103240185	uncharacterized LOC103240185	Pituitary	1
LOC103241059	glycerol-3-phosphate acyltransferase 2, mitochondrial	Pituitary	1
LOC103241700	collagen alpha-4(VI) chain-like	Pituitary	1
LOC103242499	CMT1A duplicated region transcript 15 protein-like protein	Pituitary	1
LOC103242716	uncharacterized LOC103242716	Pituitary	1
LOC103243233	angiotensin-converting enzyme-like	Pituitary	1
LOC103243247	endophilin-A2 pseudogene	Pituitary	1
LOC103243248	leucine-rich repeat-containing protein 37A-like	Pituitary	1
LOC103246105	splicing factor 45 pseudogene	Pituitary	1
LOC103246281	uncharacterized LOC103246281	Pituitary	1
LOC103246424	uncharacterized LOC103246424	Pituitary	1
LOC103246666	farnesyl pyrophosphate synthase pseudogene	Pituitary	1
LOC103246884	homeobox protein unc-4 homolog	Pituitary	1
LOC103246964	homeobox protein unc-4 homolog	Pituitary	1
LOC103246967	40S ribosomal protein S4, Y isoform 1	Pituitary	1
LOC103246968	heat shock transcription factor, Y-linked-like	Pituitary	1
LOC103246975	uncharacterized LOC103246975	Pituitary	1
LOC103246978	uncharacterized LOC103246978	Pituitary	1
LOC103246979	ribose-phosphate pyrophosphokinase 2 pseudogene	Pituitary	1
LOC103246980	uncharacterized LOC103246980	Pituitary	1
LOC103246983	neuroligin-4, X-linked-like	Pituitary	1
LOC103246986	gamma-taxilin-like	Pituitary	1
LOC103246988	eukaryotic translation initiation factor 1A, Y-chromosomal	Pituitary	1
LOC103246990	uncharacterized LOC103246990	Pituitary	1
LOC103246991	uncharacterized LOC103246991	Pituitary	1
LOC103246992	40S ribosomal protein S4, Y isoform 1	Pituitary	1
LOC103247001	heat shock transcription factor, Y-linked-like	Pituitary	1
LOC103247901	hemoglobin subunit beta	Pituitary	1
LOC103247968	voltage-dependent anion-selective channel protein 1 pseudogene	Pituitary	1
LOC103247990	folate receptor gamma	Pituitary	1
LOC103249008	uncharacterized LOC103249008	Pituitary	1
MMP8	matrix metallopeptidase 8	Pituitary	1
MSLN	mesothelin	Pituitary	1
MUC6	mucin 6, oligomeric mucus/gel-forming	Pituitary	1
MYOC	myocilin	Pituitary	1

Supplementary Table 7. Genes in the top or bottom 10% of loadings on PC 1, PC 2, or PC 3, for tissues where that dimension in PCA showed a clear pattern with sex as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
NPTX2	neuronal pentraxin 2	Pituitary	1
NR1H4	nuclear receptor subfamily 1 group H member 4	Pituitary	1
NR1I3	nuclear receptor subfamily 1 group I member 3	Pituitary	1
ORM1	orosomucoid 1	Pituitary	1
OTOL1	otolin 1	Pituitary	1
PADI4	peptidyl arginine deiminase 4	Pituitary	1
PCP4L1	Purkinje cell protein 4 like 1	Pituitary	1
PLSCR5	phospholipid scramblase family member 5	Pituitary	1
PRB4	proline rich protein BstNI subfamily 4	Pituitary	1
PRDM6	PR/SET domain 6	Pituitary	1
PRG2	proteoglycan 2, pro eosinophil major basic protein	Pituitary	1
PRTN3	proteinase 3	Pituitary	1
PTGER2	prostaglandin E receptor 2	Pituitary	1
PTPN20B	protein tyrosine phosphatase, non-receptor type 20	Pituitary	1
PTPRH	protein tyrosine phosphatase, receptor type H	Pituitary	1
QRFPR	pyroglutamylated RFamide peptide receptor	Pituitary	1
RASGRP3	RAS guanyl releasing protein 3	Pituitary	1
S100A8	S100 calcium binding protein A8	Pituitary	1
S100A9	S100 calcium binding protein A9	Pituitary	1
SCGB1D4	secretoglobin family 1D member 4	Pituitary	1
SERPINA5	serpin family A member 5	Pituitary	1
SERPINA6	serpin family A member 6	Pituitary	1
SERPINF2	serpin family F member 2	Pituitary	1
SHCBP1	SHC binding and spindle associated 1	Pituitary	1
SLC1A6	solute carrier family 1 member 6	Pituitary	1
SLC22A6	solute carrier family 22 member 6	Pituitary	1
SLC22A8	solute carrier family 22 member 8	Pituitary	1
SLC34A3	solute carrier family 34 member 3	Pituitary	1
SLC4A1	solute carrier family 4 member 1 (Diego blood group)	Pituitary	1
SLC5A8	solute carrier family 5 member 8	Pituitary	1
SLC6A20	solute carrier family 6 member 20	Pituitary	1
SPATA22	spermatogenesis associated 22	Pituitary	1
SPC25	SPC25, NDC80 kinetochore complex component	Pituitary	1
SPTA1	spectrin alpha, erythrocytic 1	Pituitary	1
TAC1	tachykinin precursor 1	Pituitary	1
THEG	theg spermatid protein	Pituitary	1
TMPRSS12	transmembrane protease, serine 12	Pituitary	1
TPH2	tryptophan hydroxylase 2	Pituitary	1
TYRP1	tyrosinase related protein 1	Pituitary	1
USP26	ubiquitin specific peptidase 26	Pituitary	1
USP9Y	ubiquitin specific peptidase 9, Y-linked	Pituitary	1
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	Pituitary	1
VASH2	vasohibin 2	Pituitary	1
VGLL2	vestigial like family member 2	Pituitary	1
ZFY	zinc finger protein, Y-linked	Pituitary	1
ZIC1	Zic family member 1	Pituitary	1
ZIC2	Zic family member 2	Pituitary	1
ZIC4	Zic family member 4	Pituitary	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
ADAMTS14	ADAM metallopeptidase with thrombospondin type 1 motif, 14	BA46	1
AGPAT9	1-acylglycerol-3-phosphate O-acyltransferase 9	BA46	1
AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	BA46	1
AIRE	autoimmune regulator	BA46	1
ANKRD63	ankyrin repeat domain 63	BA46	1
ANLN	anillin, actin binding protein	BA46	1
APOC2	apolipoprotein C-II	BA46	1
ASB2	ankyrin repeat and SOCS box containing 2	BA46	1
ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	BA46	1
BARX2	BARX homeobox 2	BA46	1
BDKRB1	bradykinin receptor B1	BA46	1
BDKRB2	bradykinin receptor B2	BA46	1
BHMT	betaine--homocysteine S-methyltransferase	BA46	1
BHMT2	betaine--homocysteine S-methyltransferase 2	BA46	1
BMP5	bone morphogenetic protein 5	BA46	1
C14H2orf91	chromosome 14 open reading frame, human C2orf91	BA46	1
C22H3orf56	chromosome 22 open reading frame, human C3orf56	BA46	1
C26H15orf54	chromosome 26 open reading frame, human C15orf54	BA46	1
C2H20orf195	chromosome 2 open reading frame, human C20orf195	BA46	1
C7	complement component 7	BA46	1
CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	BA46	1
CARTPT	CART prepropeptide	BA46	1
CCDC179	coiled-coil domain containing 179	BA46	1
CCR3	chemokine (C-C motif) receptor 3	BA46	1
CD24	CD24 molecule	BA46	1
CD96	CD96 molecule	BA46	1
CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39)	BA46	1
CHRNA3	cholinergic receptor, nicotinic, alpha 3 (neuronal)	BA46	1
CLIC6	chloride intracellular channel 6	BA46	1
CNDP1	carnosine dipeptidase 1 (metallopeptidase M20 family)	BA46	1
COL1A1	collagen, type I, alpha 1	BA46	1
COL1A2	collagen, type I, alpha 2	BA46	1
COL3A1	collagen, type III, alpha 1	BA46	1
COL4A6	collagen, type IV, alpha 6	BA46	1
COL6A3	collagen, type VI, alpha 3	BA46	1
CPB1	carboxypeptidase B1 (tissue)	BA46	1
CPZ	carboxypeptidase Z	BA46	1
CRISPLD1	cysteine-rich secretory protein LCCL domain containing 1	BA46	1
DACT2	dishevelled-binding antagonist of beta-catenin 2	BA46	1
DCDC2C	doublecortin domain containing 2C	BA46	1
DPYSL3	dihydropyrimidinase-like 3	BA46	1
DPYSL5	dihydropyrimidinase-like 5	BA46	1
DRAXIN	dorsal inhibitory axon guidance protein	BA46	1
DSP	desmoplakin	BA46	1
DTL	denticleless E3 ubiquitin protein ligase homolog (Drosophila)	BA46	1
EMILIN3	elastin microfibril interfacer 3	BA46	1
ERMN	ermin, ERM-like protein	BA46	1
ETNPPL	ethanolamine-phosphate phospho-lyase	BA46	1
FAM132A	family with sequence similarity 132, member A	BA46	1
FAM159B	family with sequence similarity 159, member B	BA46	1
FCN3	ficolin (collagen/fibrinogen domain containing) 3	BA46	1
FERD3L	Fer3-like bHLH transcription factor	BA46	1
FNDC1	fibronectin type III domain containing 1	BA46	1
FOXI3	forkhead box I3	BA46	1
FREM3	FRAS1 related extracellular matrix 3	BA46	1
FST	follistatin	BA46	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
GALNT5	polypeptide N-acetylgalactosaminyltransferase 5	BA46	1
GDF10	growth differentiation factor 10	BA46	1
GJB1	gap junction protein, beta 1, 32kDa	BA46	1
GJB5	gap junction protein, beta 5, 31.1kDa	BA46	1
GNA14	guanine nucleotide binding protein (G protein), alpha 14	BA46	1
GRP	gastrin-releasing peptide	BA46	1
HAPLN4	hyaluronan and proteoglycan link protein 4	BA46	1
HSPB8	heat shock 22kDa protein 8	BA46	1
HTR3A	5-hydroxytryptamine (serotonin) receptor 3A, ionotropic	BA46	1
IGF2BP2	insulin-like growth factor 2 mRNA binding protein 2	BA46	1
ISM2	isthmin 2	BA46	1
KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	BA46	1
KERA	keratocan	BA46	1
KLK6	kallikrein-related peptidase 6	BA46	1
KRT19	keratin 19	BA46	1
KRT7	keratin 7	BA46	1
KRT80	keratin 80	BA46	1
LGR6	leucine-rich repeat containing G protein-coupled receptor 6	BA46	1
LOC103214977	uncharacterized LOC103214977	BA46	1
LOC103216325	uncharacterized LOC103216325	BA46	1
LOC103216876	uncharacterized LOC103216876	BA46	1
LOC103217402	uncharacterized LOC103217402	BA46	1
LOC103218887	olfactory receptor 1J2	BA46	1
LOC103218889	olfactory receptor 1J4-like	BA46	1
LOC103219658	uncharacterized LOC103219658	BA46	1
LOC103219850	proteasome subunit beta type-1 pseudogene	BA46	1
LOC103220411	40S ribosomal protein S12 pseudogene	BA46	1
LOC103221116	putative uncharacterized protein C21orf125	BA46	1
LOC103221863	mamu class I histocompatibility antigen, alpha chain F-like	BA46	1
LOC103221894	olfactory receptor 10C1-like	BA46	1
LOC103221933	histone H2B type 1-O	BA46	1
LOC103221935	histone H2A type 1	BA46	1
LOC103221943	histone H2A type 1	BA46	1
LOC103221944	histone H1.5	BA46	1
LOC103221945	histone H3.1-like	BA46	1
LOC103221996	histone H2B type 1-F/J/L-like	BA46	1
LOC103222083	uncharacterized LOC103222083	BA46	1
LOC103222154	uncharacterized LOC103222154	BA46	1
LOC103222155	uncharacterized LOC103222155	BA46	1
LOC103222369	uncharacterized LOC103222369	BA46	1
LOC103222593	uncharacterized LOC103222593	BA46	1
LOC103222965	P2X purinoceptor 6-like	BA46	1
LOC103223518	uncharacterized LOC103223518	BA46	1
LOC103223762	olfactory receptor 10J1-like	BA46	1
LOC103224231	uncharacterized LOC103224231	BA46	1
LOC103224977	uncharacterized LOC103224977	BA46	1
LOC103225645	uncharacterized LOC103225645	BA46	1
LOC103226929	aldo-keto reductase family 1 member B10-like	BA46	1
LOC103226931	aldo-keto reductase family 1 member B10	BA46	1
LOC103226932	aldo-keto reductase family 1 member B10-like	BA46	1
LOC103228345	putative uncharacterized protein	BA46	1
LOC103230633	uncharacterized LOC103230633	BA46	1
LOC103230880	uncharacterized LOC103230880	BA46	1
LOC103231593	zinc finger protein 729-like	BA46	1
LOC103231996	centromere protein V-like	BA46	1
LOC103233113	uncharacterized LOC103233113	BA46	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103233444	bile salt-activated lipase-like	BA46	1
LOC103233832	fibrillin-3-like	BA46	1
LOC103234284	zinc finger protein 98-like	BA46	1
LOC103234347	fibrillin-3-like	BA46	1
LOC103234986	galactoside 2-alpha-L-fucosyltransferase 2	BA46	1
LOC103234988	galactoside 2-alpha-L-fucosyltransferase 2-like	BA46	1
LOC103236784	uncharacterized LOC103236784	BA46	1
LOC103237464	uncharacterized LOC103237464	BA46	1
LOC103237465	uncharacterized LOC103237465	BA46	1
LOC103237714	lymphocyte-specific protein 1	BA46	1
LOC103239382	uncharacterized LOC103239382	BA46	1
LOC103240941	uncharacterized LOC103240941	BA46	1
LOC103241172	adenosylhomocysteinase pseudogene	BA46	1
LOC103241685	uncharacterized LOC103241685	BA46	1
LOC103241849	spidroin-1	BA46	1
LOC103242716	uncharacterized LOC103242716	BA46	1
LOC103242774	TBC1 domain family member 3G-like	BA46	1
LOC103243079	ras-related protein Rab-37	BA46	1
LOC103244091	uncharacterized LOC103244091	BA46	1
LOC103244197	uncharacterized LOC103244197	BA46	1
LOC103244931	uncharacterized LOC103244931	BA46	1
LOC103245855	uncharacterized LOC103245855	BA46	1
LOC103247904	hemoglobin subunit gamma-1	BA46	1
LOC103248295	uncharacterized LOC103248295	BA46	1
LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	BA46	1
MAG	myelin associated glycoprotein	BA46	1
MBP	myelin basic protein	BA46	1
MDFI	MyoD family inhibitor	BA46	1
MEOX1	mesenchyme homeobox 1	BA46	1
MKI67	marker of proliferation Ki-67	BA46	1
MOG	myelin oligodendrocyte glycoprotein	BA46	1
MUC4	mucin 4, cell surface associated	BA46	1
MYH13	myosin, heavy chain 13, skeletal muscle	BA46	1
MYL10	myosin, light chain 10, regulatory	BA46	1
NKX6-2	NK6 homeobox 2	BA46	1
NMRK2	nicotinamide riboside kinase 2	BA46	1
NPBWR1	neuropeptides B/W receptor 1	BA46	1
NTSR1	neurotensin receptor 1 (high affinity)	BA46	1
OAS1	2'-5'-oligoadenylate synthetase 1, 40/46kDa	BA46	1
OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	BA46	1
OPALIN	oligodendrocytic myelin paranodal and inner loop protein	BA46	1
OSR1	odd-skipped related transciption factor 1	BA46	1
OSTN	osteocrin	BA46	1
PLAC8	placenta-specific 8	BA46	1
PRSS35	protease, serine, 35	BA46	1
PRSS45	protease, serine, 45	BA46	1
PTF1A	pancreas specific transcription factor, 1a	BA46	1
PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	BA46	1
PTX3	pentraxin 3, long	BA46	1
RASD1	RAS, dexamethasone-induced 1	BA46	1
RASEF	RAS and EF-hand domain containing	BA46	1
RASSF10	Ras association (RalGDS/AF-6) domain family (N-terminal) member 10	BA46	1
RORC	RAR-related orphan receptor C	BA46	1
RPRM	reprimo, TP53 dependent G2 arrest mediator candidate	BA46	1
S1PR5	sphingosine-1-phosphate receptor 5	BA46	1
SEC14L5	SEC14-like 5 (S. cerevisiae)	BA46	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
SECTM1	secreted and transmembrane 1	BA46	1
SERINC2	serine incorporator 2	BA46	1
SH2D5	SH2 domain containing 5	BA46	1
SHCBP1	SHC SH2-domain binding protein 1	BA46	1
SLA	Src-like-adaptor	BA46	1
SLC22A2	solute carrier family 22 (organic cation transporter), member 2	BA46	1
SLC22A8	solute carrier family 22 (organic anion transporter), member 8	BA46	1
SLC25A45	solute carrier family 25, member 45	BA46	1
SLC6A20	solute carrier family 6 (proline IMINO transporter), member 20	BA46	1
SLITRK6	SLIT and NTRK-like family, member 6	BA46	1
SOHLH1	spermatogenesis and oogenesis specific basic helix-loop-helix 1	BA46	1
SOX11	SRY (sex determining region Y)-box 11	BA46	1
SPINK2	serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	BA46	1
SPINT1	serine peptidase inhibitor, Kunitz type 1	BA46	1
STRA6	stimulated by retinoic acid 6	BA46	1
SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	BA46	1
SYTL1	synaptotagmin-like 1	BA46	1
TACR3	tachykinin receptor 3	BA46	1
TEX37	testis expressed 37	BA46	1
TG	thyroglobulin	BA46	1
THBS1	thrombospondin 1	BA46	1
THBS2	thrombospondin 2	BA46	1
THBS4	thrombospondin 4	BA46	1
THSD4	thrombospondin, type I, domain containing 4	BA46	1
TICRR	TOPBP1-interacting checkpoint and replication regulator	BA46	1
TIMD4	T-cell immunoglobulin and mucin domain containing 4	BA46	1
TMEM125	transmembrane protein 125	BA46	1
TNNT2	troponin T type 2 (cardiac)	BA46	1
UHRF1	ubiquitin-like with PHD and ring finger domains 1	BA46	1
VEPH1	ventricular zone expressed PH domain-containing 1	BA46	1
WFIKKN2	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2	BA46	1
ZNF469	zinc finger protein 469	BA46	1
SEPT4	septin 4	Caudate	1
ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	Caudate	1
AGPAT9	1-acylglycerol-3-phosphate O-acyltransferase 9	Caudate	1
AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	Caudate	1
AIPL1	aryl hydrocarbon receptor interacting protein-like 1	Caudate	1
ALAS2	aminolevulinate, delta-, synthase 2	Caudate	1
ALOX15	arachidonate 15-lipoxygenase	Caudate	1
ANLN	anillin, actin binding protein	Caudate	1
APOB	apolipoprotein B	Caudate	1
APOC2	apolipoprotein C-II	Caudate	1
ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	Caudate	1
ASPM	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Caudate	1
BUB1	BUB1 mitotic checkpoint serine/threonine kinase	Caudate	1
C17H6orf10	chromosome 17 open reading frame, human C6orf10	Caudate	1
C20H1orf177	chromosome 20 open reading frame, human C1orf177	Caudate	1
CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	Caudate	1
CD177	CD177 molecule	Caudate	1
CDK1	cyclin-dependent kinase 1	Caudate	1
CLCA2	chloride channel accessory 2	Caudate	1
CLRN2	clarin 2	Caudate	1
CNDP1	carnosine dipeptidase 1 (metallopeptidase M20 family)	Caudate	1
CNTN6	contactin 6	Caudate	1
COL1A1	collagen, type I, alpha 1	Caudate	1
COL3A1	collagen, type III, alpha 1	Caudate	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
COL6A5	collagen, type VI, alpha 5	Caudate	1
CPB1	carboxypeptidase B1 (tissue)	Caudate	1
CRYAB	crystallin, alpha B	Caudate	1
CRYBB1	crystallin, beta B1	Caudate	1
DLGAP5	discs, large (Drosophila) homolog-associated protein 5	Caudate	1
DMKN	dermokine	Caudate	1
DMP1	dentin matrix acidic phosphoprotein 1	Caudate	1
DOCK5	dedicator of cytokinesis 5	Caudate	1
DSP	desmoplakin	Caudate	1
E2F2	E2F transcription factor 2	Caudate	1
ERMN	ermin, ERM-like protein	Caudate	1
ERVMER34-1	endogenous retrovirus group MER34, member 1	Caudate	1
FAM159A	family with sequence similarity 159, member A	Caudate	1
FAM163B	family with sequence similarity 163, member B	Caudate	1
FAM19A1	family with sequence similarity 19 (chemokine (C-C motif)-like), member A1	Caudate	1
FAM19A2	family with sequence similarity 19 (chemokine (C-C motif)-like), member A2	Caudate	1
FAT2	FAT atypical cadherin 2	Caudate	1
FOSB	FBJ murine osteosarcoma viral oncogene homolog B	Caudate	1
FOXI3	forkhead box I3	Caudate	1
FST	follistatin	Caudate	1
GADL1	glutamate decarboxylase-like 1	Caudate	1
GALNT5	polypeptide N-acetylgalactosaminyltransferase 5	Caudate	1
GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2	Caudate	1
GDF2	growth differentiation factor 2	Caudate	1
GJB1	gap junction protein, beta 1, 32kDa	Caudate	1
GJD2	gap junction protein, delta 2, 36kDa	Caudate	1
GLRA2	glycine receptor, alpha 2	Caudate	1
GPNMB	glycoprotein (transmembrane) nmb	Caudate	1
GPX2	glutathione peroxidase 2 (gastrointestinal)	Caudate	1
HAPLN2	hyaluronan and proteoglycan link protein 2	Caudate	1
HAPLN4	hyaluronan and proteoglycan link protein 4	Caudate	1
HOXD1	homeobox D1	Caudate	1
HOXD3	homeobox D3	Caudate	1
HSF4	heat shock transcription factor 4	Caudate	1
HSPB8	heat shock 22kDa protein 8	Caudate	1
IGFBP3	insulin-like growth factor binding protein 3	Caudate	1
IGFBP6	insulin-like growth factor binding protein 6	Caudate	1
IRX3	iroquois homeobox 3	Caudate	1
ISX	intestine-specific homeobox	Caudate	1
KANK4	KN motif and ankyrin repeat domains 4	Caudate	1
KDM5D	lysine (K)-specific demethylase 5D	Caudate	1
KLHL4	kelch-like family member 4	Caudate	1
KLK6	kallikrein-related peptidase 6	Caudate	1
LOC103214240	uncharacterized LOC103214240	Caudate	1
LOC103214520	uncharacterized LOC103214520	Caudate	1
LOC103214814	uncharacterized LOC103214814	Caudate	1
LOC103215490	uncharacterized LOC103215490	Caudate	1
LOC103215493	uncharacterized LOC103215493	Caudate	1
LOC103215864	neuropeptide Y receptor type 4	Caudate	1
LOC103216365	uncharacterized LOC103216365	Caudate	1
LOC103216366	uncharacterized LOC103216366	Caudate	1
LOC103216558	uncharacterized LOC103216558	Caudate	1
LOC103216690	uncharacterized LOC103216690	Caudate	1
LOC103217039	uncharacterized LOC103217039	Caudate	1
LOC103217040	uncharacterized LOC103217040	Caudate	1
LOC103217195	uncharacterized LOC103217195	Caudate	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103217614	uncharacterized LOC103217614	Caudate	1
LOC103217927	uncharacterized LOC103217927	Caudate	1
LOC103218545	alpha-2-macroglobulin-like	Caudate	1
LOC103218697	uncharacterized LOC103218697	Caudate	1
LOC103218698	uncharacterized LOC103218698	Caudate	1
LOC103218845	hsc70-interacting protein pseudogene	Caudate	1
LOC103219103	uncharacterized LOC103219103	Caudate	1
LOC103219657	uncharacterized LOC103219657	Caudate	1
LOC103219832	uncharacterized LOC103219832	Caudate	1
LOC103219872	keratin-associated protein 10-11-like	Caudate	1
LOC103221007	uncharacterized LOC103221007	Caudate	1
LOC103221705	heterogeneous nuclear ribonucleoprotein A1-like	Caudate	1
LOC103221863	mamu class I histocompatibility antigen, alpha chain F-like	Caudate	1
LOC103221933	histone H2B type 1-O	Caudate	1
LOC103221935	histone H2A type 1	Caudate	1
LOC103221936	histone H2A type 1-J	Caudate	1
LOC103221937	histone H2B type 1-M	Caudate	1
LOC103221943	histone H2A type 1	Caudate	1
LOC103221944	histone H1.5	Caudate	1
LOC103221945	histone H3.1-like	Caudate	1
LOC103221968	histone H2A type 1-H	Caudate	1
LOC103221996	histone H2B type 1-F/J/L-like	Caudate	1
LOC103222004	histone H3.1	Caudate	1
LOC103222079	uncharacterized LOC103222079	Caudate	1
LOC103222083	uncharacterized LOC103222083	Caudate	1
LOC103222087	uncharacterized LOC103222087	Caudate	1
LOC103222429	uncharacterized LOC103222429	Caudate	1
LOC103222617	uncharacterized LOC103222617	Caudate	1
LOC103224231	uncharacterized LOC103224231	Caudate	1
LOC103224548	uncharacterized LOC103224548	Caudate	1
LOC103224550	uncharacterized LOC103224550	Caudate	1
LOC103224553	hsc70-interacting protein-like	Caudate	1
LOC103225907	omega-amidase NIT2 pseudogene	Caudate	1
LOC103226631	elongation factor 1-delta-like	Caudate	1
LOC103226870	brain-specific serine protease 4	Caudate	1
LOC103228374	uncharacterized LOC103228374	Caudate	1
LOC103231548	neuronal regeneration-related protein pseudogene	Caudate	1
LOC103232191	uncharacterized LOC103232191	Caudate	1
LOC103233113	uncharacterized LOC103233113	Caudate	1
LOC103233444	bile salt-activated lipase-like	Caudate	1
LOC103233527	uncharacterized LOC103233527	Caudate	1
LOC103234347	fibrillin-3-like	Caudate	1
LOC103234988	galactoside 2-alpha-L-fucosyltransferase 2-like	Caudate	1
LOC103236664	uncharacterized LOC103236664	Caudate	1
LOC103236776	uncharacterized LOC103236776	Caudate	1
LOC103236784	uncharacterized LOC103236784	Caudate	1
LOC103237807	aldo-keto reductase family 1 member C1 homolog	Caudate	1
LOC103238617	40S ribosomal protein S3 pseudogene	Caudate	1
LOC103239962	uncharacterized LOC103239962	Caudate	1
LOC103240326	uncharacterized LOC103240326	Caudate	1
LOC103240468	uncharacterized LOC103240468	Caudate	1
LOC103240469	uncharacterized LOC103240469	Caudate	1
LOC103240470	uncharacterized LOC103240470	Caudate	1
LOC103240471	uncharacterized LOC103240471	Caudate	1
LOC103240472	uncharacterized LOC103240472	Caudate	1
LOC103240473	uncharacterized LOC103240473	Caudate	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
LOC103240474	uncharacterized LOC103240474	Caudate	1
LOC103240475	uncharacterized LOC103240475	Caudate	1
LOC103240939	putative uncharacterized protein FLJ45177	Caudate	1
LOC103240941	uncharacterized LOC103240941	Caudate	1
LOC103241538	uncharacterized LOC103241538	Caudate	1
LOC103241700	collagen alpha-4(VI) chain-like	Caudate	1
LOC103242716	uncharacterized LOC103242716	Caudate	1
LOC103243101	uncharacterized LOC103243101	Caudate	1
LOC103243139	uncharacterized LOC103243139	Caudate	1
LOC103243458	keratin, type I cuticular Ha7-like	Caudate	1
LOC103244383	uncharacterized LOC103244383	Caudate	1
LOC103244770	uncharacterized LOC103244770	Caudate	1
LOC103244868	uncharacterized LOC103244868	Caudate	1
LOC103246345	uncharacterized LOC103246345	Caudate	1
LOC103246967	40S ribosomal protein S4, Y isoform 1	Caudate	1
LOC103246998	ankyrin repeat domain-containing protein 37 pseudogene	Caudate	1
LOC103247901	hemoglobin subunit beta	Caudate	1
LOC103247904	hemoglobin subunit gamma-1	Caudate	1
LRRC55	leucine rich repeat containing 55	Caudate	1
MKI67	marker of proliferation Ki-67	Caudate	1
MYC	v-myc avian myelocytomatosis viral oncogene homolog	Caudate	1
MYO5B	myosin VB	Caudate	1
NDC80	NDC80 kinetochore complex component	Caudate	1
NDRG1	N-myc downstream regulated 1	Caudate	1
NGFR	nerve growth factor receptor	Caudate	1
NKX3-1	NK3 homeobox 1	Caudate	1
NPBWR1	neuropeptides B/W receptor 1	Caudate	1
NTS	neurotensin	Caudate	1
OTOG	otogelin	Caudate	1
PMEL	premelanosome protein	Caudate	1
POPDC3	popeye domain containing 3	Caudate	1
PPAP2C	phosphatidic acid phosphatase type 2C	Caudate	1
PTF1A	pancreas specific transcription factor, 1a	Caudate	1
RAB7B	RAB7B, member RAS oncogene family	Caudate	1
RBP3	retinol binding protein 3, interstitial	Caudate	1
RNF152	ring finger protein 152	Caudate	1
S1PR5	sphingosine-1-phosphate receptor 5	Caudate	1
SGOL1	shugoshin-like 1 (S. pombe)	Caudate	1
SHCBP1	SHC SH2-domain binding protein 1	Caudate	1
SLC16A11	solute carrier family 16, member 11	Caudate	1
SLC17A2	solute carrier family 17, member 2	Caudate	1
SLC17A3	solute carrier family 17 (organic anion transporter), member 3	Caudate	1
SLC5A11	solute carrier family 5 (sodium/inositol cotransporter), member 11	Caudate	1
SLC6A7	solute carrier family 6 (neurotransmitter transporter), member 7	Caudate	1
SP8	Sp8 transcription factor	Caudate	1
SPTA1	spectrin, alpha, erythrocytic 1 (elliptocytosis 2)	Caudate	1
ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2	Caudate	1
STRA6	stimulated by retinoic acid 6	Caudate	1
STYK1	serine/threonine/tyrosine kinase 1	Caudate	1
SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	Caudate	1
SYT10	synaptotagmin X	Caudate	1
SYTL1	synaptotagmin-like 1	Caudate	1
TESPA1	thymocyte expressed, positive selection associated 1	Caudate	1
TFCP2L1	transcription factor CP2-like 1	Caudate	1
TIMD4	T-cell immunoglobulin and mucin domain containing 4	Caudate	1
TMEM235	transmembrane protein 235	Caudate	1

Supplementary Table 8. Genes in the top or bottom 10% of loadings on PC 1 for Caudate and BA46, where that dimension in PCA showed a clear pattern with age as illustrated in Figure 1.

VervetGeneSymbol	Description	Tissue	PC Dimension
TRHR	thyrotropin-releasing hormone receptor	Caudate	1
TRPC5	transient receptor potential cation channel, subfamily C, member 5	Caudate	1
TRPC5OS	TRPC5 opposite strand	Caudate	1
TSPAN2	tetraspanin 2	Caudate	1
TSPEAR	thrombospondin-type laminin G domain and EAR repeats	Caudate	1
USP9Y	ubiquitin specific peptidase 9, Y-linked	Caudate	1
UTY	ubiquitously transcribed tetratricopeptide repeat containing, Y-linked	Caudate	1
WNT6	wingless-type MMTV integration site family, member 6	Caudate	1

Supplementary Table 9. Genes with a significant age effect from either ANOVA or linear regression. Beta is the regression coefficient, Pval is the p-value for the regression coefficient of expression on age (in days). Effect category is increasing if beta is positive and significant, decreasing if beta is negative and significant, and other if the ANOVA were significant rather than the linear regression. Local eQTL is 1 if the gene had a significant local eQTL

Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
AASS	Adrenal	5.42E-14	0.000812	2.06E-10	increasing	0
ABCA3	Adrenal	5.51E-12	0.000792	4.79E-10	increasing	0
ABCA5	Adrenal	4.39E-09	0.000653	1.42E-06	increasing	0
ABCB4	Adrenal	3.09E-10	-0.00077	1.99E-09	decreasing	0
ABCF1	Adrenal	1.10E-08	-0.00077	6.20E-09	decreasing	0
ABHD17C	Adrenal	1.90E-08	-0.00058	3.29E-05	decreasing	0
ABT1	Adrenal	9.14E-08	-0.00058	3.15E-05	decreasing	0
ACAA2	Adrenal	3.03E-08	-0.00077	1.07E-08	decreasing	0
ACAT2	Adrenal	2.73E-08	0.000454	0.001966	other	0
ACP2	Adrenal	3.78E-11	-0.00071	5.12E-08	decreasing	0
ACSF3	Adrenal	1.67E-09	-0.00074	1.50E-08	decreasing	0
ADAM22	Adrenal	3.84E-09	0.000687	3.70E-07	increasing	0
ADAMTSL5	Adrenal	3.52E-08	-0.00068	2.02E-07	decreasing	0
ADARB2	Adrenal	1.67E-08	0.000716	2.51E-08	increasing	0
ADCY9	Adrenal	3.25E-09	0.000637	1.74E-06	increasing	0
ADORA3	Adrenal	9.48E-07	-0.00073	9.53E-08	decreasing	0
AFG3L2	Adrenal	4.78E-11	-0.00079	7.57E-10	decreasing	0
AGXT2	Adrenal	6.66E-09	0.000674	2.89E-07	increasing	0
AHCY	Adrenal	6.37E-09	-0.00071	1.07E-07	decreasing	0
AHNAK	Adrenal	1.23E-07	0.00066	1.02E-06	increasing	0
AHNAK2	Adrenal	2.30E-07	0.000674	6.84E-07	increasing	0
AIMP1	Adrenal	1.68E-08	-0.0005	0.000483	other	0
ALDH6A1	Adrenal	2.58E-07	0.000379	0.010287	other	0
ALG3	Adrenal	5.87E-09	-0.00069	2.91E-07	decreasing	0
ALOX12	Adrenal	1.92E-07	0.000608	9.73E-06	increasing	0
ALPP	Adrenal	3.41E-11	0.000615	4.60E-06	increasing	0
AMIGO3	Adrenal	9.16E-08	0.000326	0.02716	other	0
ANGPTL1	Adrenal	2.26E-09	-0.00067	5.19E-07	decreasing	0
ANGPTL4	Adrenal	7.09E-08	-0.00066	1.99E-06	decreasing	0
ANKH	Adrenal	5.20E-08	0.000527	0.000198	other	0
ANKRD6	Adrenal	1.00E-11	0.000795	7.94E-10	increasing	0
ANLN	Adrenal	3.66E-10	-0.0008	2.67E-10	decreasing	0
ANO8	Adrenal	2.19E-11	0.000323	0.024605	other	0
AP1S3	Adrenal	8.35E-08	0.000606	1.73E-05	increasing	0
AP2A1	Adrenal	6.88E-08	-0.0007	2.78E-07	decreasing	0
AP2S1	Adrenal	4.17E-10	-0.00059	3.53E-05	decreasing	0
AP3B2	Adrenal	1.28E-10	0.000699	1.15E-07	increasing	0
APBB1	Adrenal	5.20E-09	0.000594	1.71E-05	increasing	0
APBB3	Adrenal	2.71E-08	0.000318	0.02892	other	0
APCDD1	Adrenal	1.20E-09	-8.64E-05	0.563137	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
APEX2	Adrenal	3.06E-08	-0.00076	1.34E-08	decreasing	0
APPL2	Adrenal	7.66E-10	0.000203	0.167808	other	0
ARF6	Adrenal	2.89E-10	-0.00034	0.019937	other	0
ARHGAP11A	Adrenal	6.54E-13	-0.00083	1.38E-11	decreasing	0
ARHGAP33	Adrenal	2.11E-08	0.000232	0.115129	other	0
ARHGDIB	Adrenal	2.22E-09	-0.00062	1.14E-05	decreasing	0
ARHGEF10L	Adrenal	1.17E-07	0.000274	0.058003	other	0
ARHGEF28	Adrenal	6.23E-09	0.000491	0.000414	other	0
ARHGEF37	Adrenal	2.52E-07	6.47E-05	0.66333	other	0
ARHGEF5	Adrenal	2.23E-08	0.000104	0.491124	other	0
ARHGEF9	Adrenal	1.10E-08	0.000698	1.89E-07	increasing	0
ARL2	Adrenal	2.79E-06	-0.00071	2.24E-07	decreasing	0
ASPM	Adrenal	3.71E-10	-0.00079	5.35E-10	decreasing	0
ASPN	Adrenal	1.67E-07	-0.00075	1.79E-08	decreasing	0
ATG7	Adrenal	2.56E-08	-0.00069	4.62E-07	decreasing	0
ATP4A	Adrenal	7.11E-09	-0.00061	8.74E-06	decreasing	1
ATP5A1	Adrenal	1.60E-07	-0.00071	1.88E-07	decreasing	0
ATP7B	Adrenal	1.29E-11	0.000727	6.41E-08	increasing	0
AURKA	Adrenal	1.76E-11	-0.00077	3.27E-09	decreasing	0
AVP	Adrenal	6.02E-09	0.000476	0.001157	other	0
B4GALT5	Adrenal	5.26E-09	-0.00065	1.68E-06	decreasing	0
BAHCC1	Adrenal	1.26E-16	0.000747	2.20E-08	increasing	0
BAK1	Adrenal	1.15E-08	-0.00067	1.15E-06	decreasing	1
BCKDK	Adrenal	1.46E-15	-0.00086	3.45E-12	decreasing	0
BCL6	Adrenal	4.48E-12	0.000714	8.17E-08	increasing	0
BCL7A	Adrenal	1.51E-06	-0.00075	2.11E-08	decreasing	0
BCL7C	Adrenal	1.91E-07	-0.00022	0.141291	other	0
BEND7	Adrenal	5.05E-12	0.000802	3.69E-10	increasing	0
BHLHB9	Adrenal	1.08E-08	0.000666	1.22E-06	increasing	0
BIRC5	Adrenal	2.11E-13	-0.00076	7.25E-09	decreasing	0
BLMH	Adrenal	3.40E-10	-0.00069	2.45E-07	decreasing	0
BMP3	Adrenal	3.49E-08	-0.00071	1.29E-07	decreasing	0
BRD2	Adrenal	3.47E-09	0.000316	0.032069	other	0
BRSK1	Adrenal	7.21E-09	-1.45E-05	0.923278	other	0
BUB1	Adrenal	8.94E-12	-0.00079	5.34E-10	decreasing	0
BUB1B	Adrenal	2.99E-11	-0.00078	2.43E-09	decreasing	0
BZRAP1	Adrenal	2.07E-08	0.000398	0.007218	other	0
C11H12orf75	Adrenal	7.75E-08	0.000135	0.361226	other	0
C12H9orf173	Adrenal	3.70E-08	0.000109	0.466527	other	0
C13H6orf203	Adrenal	1.24E-08	-0.00059	1.69E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
C19H22orf39	Adrenal	9.10E-09	0.000381	0.009846	other	0
C1H11orf57	Adrenal	7.89E-08	-0.00043	0.002859	other	0
C20H1orf50	Adrenal	1.19E-07	-0.00044	0.002092	other	0
C21H7orf73	Adrenal	2.50E-11	-0.0008	1.84E-10	decreasing	0
C23H5orf46	Adrenal	1.88E-07	-0.00028	0.020073	other	0
C25H1orf101	Adrenal	8.21E-08	0.000651	2.65E-06	increasing	1
C2CD2L	Adrenal	2.33E-07	0.000286	0.047375	other	0
C3AR1	Adrenal	2.47E-07	-0.00055	0.000118	other	0
C5H16orf62	Adrenal	2.29E-09	-0.00015	0.33484	other	0
C7H4orf45	Adrenal	1.00E-07	0.000294	0.036891	other	0
C8H8orf88	Adrenal	2.03E-07	0.000669	3.73E-07	increasing	0
CAMK2B	Adrenal	2.10E-07	0.000597	1.96E-05	increasing	0
CAMK2D	Adrenal	7.82E-10	0.000705	1.65E-07	increasing	0
CAMSAP3	Adrenal	9.60E-09	0.000625	4.99E-06	increasing	0
CANT1	Adrenal	3.35E-09	-0.00067	1.01E-06	decreasing	0
CAP2	Adrenal	2.54E-08	0.000551	7.12E-05	increasing	0
CAPN6	Adrenal	4.50E-08	-0.00071	1.93E-07	decreasing	0
CAV1	Adrenal	2.09E-11	-0.00053	0.000233	other	0
CBX7	Adrenal	4.59E-12	0.000696	1.72E-07	increasing	0
CCDC136	Adrenal	2.25E-07	0.000648	2.25E-06	increasing	0
CCDC78	Adrenal	2.42E-12	0.000241	0.109926	other	1
CCNB1	Adrenal	6.16E-09	-0.00078	2.42E-09	decreasing	0
CCNB2	Adrenal	1.23E-12	-0.00084	1.83E-11	decreasing	0
CCND2	Adrenal	7.60E-10	0.000711	1.27E-07	increasing	0
CD177	Adrenal	1.63E-07	0.000466	0.001209	other	0
CD248	Adrenal	1.33E-07	-0.00063	8.80E-06	decreasing	0
CD276	Adrenal	3.71E-08	-0.00058	2.98E-05	decreasing	0
CD300A	Adrenal	3.73E-05	-0.00071	2.61E-07	decreasing	0
CD79B	Adrenal	3.53E-06	-0.00078	5.96E-09	decreasing	0
CDC25C	Adrenal	8.10E-09	-0.00075	1.32E-08	decreasing	0
CDC34	Adrenal	5.28E-08	-0.00059	2.58E-05	decreasing	0
CDC6	Adrenal	1.48E-08	-0.00076	6.51E-09	decreasing	0
CDCA2	Adrenal	3.33E-09	-0.00073	2.44E-08	decreasing	0
CDCA3	Adrenal	1.59E-07	-0.00075	1.52E-08	decreasing	0
CDCA5	Adrenal	1.59E-07	-0.00077	9.97E-09	decreasing	0
CDCA8	Adrenal	4.68E-13	-0.00087	6.73E-12	decreasing	0
CDH20	Adrenal	2.30E-07	-0.00065	3.30E-06	decreasing	0
CDK1	Adrenal	6.80E-10	-0.00079	1.17E-09	decreasing	0
CDS1	Adrenal	8.01E-08	0.000217	0.145706	other	1
CELF6	Adrenal	4.34E-08	0.000585	4.05E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CENPA	Adrenal	1.35E-10	-0.00069	4.40E-07	decreasing	0
CENPE	Adrenal	4.33E-10	-0.0007	1.05E-07	decreasing	0
CENPF	Adrenal	2.36E-14	-0.00085	3.48E-12	decreasing	0
CEP170B	Adrenal	1.44E-07	0.000472	0.000732	other	0
CEP250	Adrenal	2.80E-10	0.000566	6.18E-05	increasing	0
CEP55	Adrenal	2.11E-10	-0.00076	1.38E-08	decreasing	0
CEP83	Adrenal	7.66E-12	0.000752	5.20E-09	increasing	0
CHMP1A	Adrenal	3.57E-05	-0.00071	1.67E-07	decreasing	0
CKAP2	Adrenal	9.24E-10	-0.0008	7.81E-10	decreasing	0
CKAP2L	Adrenal	1.85E-08	-0.00051	0.000319	other	0
CKAP4	Adrenal	7.32E-08	-0.00041	0.004858	other	0
CKS2	Adrenal	1.70E-07	-0.00077	8.89E-09	decreasing	0
CLASP2	Adrenal	1.23E-07	0.000711	2.14E-07	increasing	0
CLDN11	Adrenal	1.68E-08	-0.00054	0.000133	other	0
CLEC1A	Adrenal	2.73E-08	-0.00031	0.031339	other	0
CLIC1	Adrenal	4.57E-07	-0.00071	1.39E-07	decreasing	1
CLK1	Adrenal	6.49E-09	0.000542	0.000141	other	0
CLP1	Adrenal	7.93E-09	-0.0006	1.78E-05	decreasing	0
CNDP2	Adrenal	4.56E-10	-0.00055	9.28E-05	decreasing	0
CNR1	Adrenal	8.35E-08	0.000641	2.45E-06	increasing	0
COASY	Adrenal	3.39E-06	-0.00073	9.09E-09	decreasing	0
COL1A1	Adrenal	5.35E-13	-0.0008	4.12E-10	decreasing	0
COL1A2	Adrenal	4.00E-13	-0.00081	1.98E-10	decreasing	0
COL3A1	Adrenal	1.33E-12	-0.00079	1.03E-09	decreasing	0
COL4A1	Adrenal	3.67E-08	-0.00059	3.18E-05	decreasing	0
COL5A2	Adrenal	2.57E-07	-0.00043	0.003368	other	0
COL8A2	Adrenal	5.96E-07	-0.00075	2.36E-08	decreasing	0
COLEC12	Adrenal	4.01E-08	-0.00051	0.000363	other	0
COPS5	Adrenal	3.86E-09	-0.00066	2.67E-06	decreasing	0
COQ5	Adrenal	2.54E-09	-0.00071	1.07E-07	decreasing	0
COQ9	Adrenal	9.13E-13	-0.00075	9.58E-09	decreasing	0
COTL1	Adrenal	5.57E-08	-0.0007	2.87E-07	decreasing	0
CPNE2	Adrenal	1.58E-06	-0.00071	2.31E-07	decreasing	0
CPNE8	Adrenal	3.43E-08	0.000652	1.24E-06	increasing	0
CPT1A	Adrenal	2.70E-08	-0.00076	1.09E-08	decreasing	0
CPT1B	Adrenal	4.99E-08	-0.00064	2.86E-06	decreasing	0
CPT2	Adrenal	1.53E-13	-0.00081	1.68E-10	decreasing	0
CPVL	Adrenal	2.85E-09	-0.00075	2.98E-09	decreasing	0
CPXM1	Adrenal	5.60E-10	-0.00067	1.02E-06	decreasing	0
CPXM2	Adrenal	7.92E-08	-0.00023	0.114092	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CPZ	Adrenal	7.24E-08	-0.00059	2.82E-05	decreasing	0
CRABP2	Adrenal	2.04E-07	-0.00069	4.00E-07	decreasing	0
CRAMP1L	Adrenal	1.67E-11	0.000361	0.01422	other	0
CRHR1	Adrenal	4.39E-08	0.000632	2.16E-06	increasing	0
CS	Adrenal	1.83E-09	-0.00067	7.53E-07	decreasing	0
CTC1	Adrenal	1.68E-11	0.000413	0.004215	other	0
CTH	Adrenal	2.37E-07	0.000535	0.000177	other	0
CTIF	Adrenal	2.54E-08	-0.00012	0.415788	other	0
CTSA	Adrenal	9.15E-08	-0.0006	1.13E-05	decreasing	1
CUL9	Adrenal	5.76E-09	0.000283	0.057442	other	0
DAP3	Adrenal	1.76E-08	-0.00069	5.63E-07	decreasing	0
DCLK3	Adrenal	7.03E-08	-0.00042	0.00473	other	0
DDX19A	Adrenal	3.49E-08	-0.00063	6.39E-06	decreasing	0
DDX47	Adrenal	2.29E-08	-0.00068	2.78E-07	decreasing	0
DDX5	Adrenal	2.50E-09	0.000298	0.038929	other	0
DGKQ	Adrenal	1.14E-10	0.000267	0.064755	other	0
DHCR7	Adrenal	1.58E-07	0.000534	0.000231	other	0
DLD	Adrenal	4.52E-09	-0.00074	2.29E-08	decreasing	0
DLG4	Adrenal	1.25E-07	0.000165	0.267995	other	0
DLGAP5	Adrenal	6.38E-11	-0.00074	1.94E-08	decreasing	0
DMKN	Adrenal	5.42E-08	-0.00069	3.86E-07	decreasing	0
DMTF1	Adrenal	2.42E-07	0.000587	3.31E-05	increasing	0
DNAH11	Adrenal	9.05E-08	-0.00059	2.63E-05	decreasing	0
DNAJA3	Adrenal	1.20E-05	-0.00071	2.52E-07	decreasing	0
DNAJC3	Adrenal	7.98E-08	0.000473	0.001024	other	0
DNAJC6	Adrenal	5.57E-11	0.000785	2.15E-09	increasing	0
DND1	Adrenal	6.95E-07	-0.0007	2.17E-07	decreasing	0
DNMT3B	Adrenal	2.16E-07	0.000606	1.91E-05	increasing	0
DOCK3	Adrenal	4.43E-08	0.000506	0.000371	other	0
DOT1L	Adrenal	1.37E-07	-0.0002	0.167192	other	0
DPH2	Adrenal	3.37E-07	-0.00074	2.87E-08	decreasing	0
DPM2	Adrenal	9.92E-11	-0.00076	5.57E-09	decreasing	0
DPP4	Adrenal	2.94E-07	0.000758	1.65E-08	increasing	0
DTL	Adrenal	7.29E-08	-0.00067	7.07E-07	decreasing	0
DTWD1	Adrenal	1.23E-08	0.000291	0.050058	other	0
DUSP3	Adrenal	4.52E-08	3.22E-05	0.831681	other	0
E2F1	Adrenal	2.07E-09	-0.00075	1.65E-08	decreasing	0
E2F2	Adrenal	2.97E-09	-0.00074	3.58E-08	decreasing	0
E2F8	Adrenal	2.54E-09	-0.00067	5.34E-07	decreasing	0
ECHS1	Adrenal	3.41E-07	-0.00073	8.36E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ECI2	Adrenal	8.42E-08	-0.00068	7.09E-07	decreasing	0
ECSIT	Adrenal	2.49E-06	-0.00073	8.47E-08	decreasing	0
EDIL3	Adrenal	9.85E-08	0.00068	3.09E-07	increasing	0
EDNRB	Adrenal	7.92E-10	-0.00071	6.03E-08	decreasing	0
EFHD1	Adrenal	1.77E-07	-0.0005	0.000464	other	0
EHD3	Adrenal	1.05E-06	-0.00072	1.42E-07	decreasing	0
EIF2S2	Adrenal	7.08E-08	-0.00044	0.002847	other	0
EIF4E2	Adrenal	6.28E-10	-0.00064	3.98E-06	decreasing	0
ELF4	Adrenal	2.59E-10	-0.00064	2.34E-06	decreasing	0
ELFN2	Adrenal	7.04E-08	0.000538	0.000155	other	0
ELN	Adrenal	4.08E-08	-0.00054	0.00017	other	0
EML2	Adrenal	4.04E-08	0.000508	0.000386	other	0
ENO2	Adrenal	6.00E-08	0.000513	0.000256	other	1
ENPP4	Adrenal	1.43E-08	0.000744	1.65E-08	increasing	0
ENPP5	Adrenal	6.22E-09	0.000762	5.73E-09	increasing	0
EPB41	Adrenal	1.23E-08	0.000745	2.15E-08	increasing	0
EPB41L5	Adrenal	9.06E-09	0.000792	1.68E-09	increasing	0
ERAL1	Adrenal	3.64E-07	-0.00075	2.12E-08	decreasing	0
ERBB4	Adrenal	4.51E-09	0.000751	1.70E-08	increasing	0
ERO1LB	Adrenal	2.27E-09	0.000643	4.61E-06	increasing	0
ESPL1	Adrenal	2.63E-06	-0.00073	4.20E-08	decreasing	0
ESYT1	Adrenal	4.26E-12	0.000655	7.25E-07	increasing	0
ETFA	Adrenal	2.14E-08	-0.00072	1.02E-07	decreasing	0
ETFDH	Adrenal	1.65E-08	-0.00068	3.72E-07	decreasing	0
ETNK1	Adrenal	2.95E-08	0.000471	0.000758	other	0
ETS2	Adrenal	1.74E-08	-0.00067	1.47E-06	decreasing	0
EVA1B	Adrenal	2.72E-10	-0.00067	1.00E-06	decreasing	0
EXO1	Adrenal	1.63E-09	-0.00072	4.33E-08	decreasing	0
FAM101A	Adrenal	1.73E-07	-0.00067	1.37E-06	decreasing	0
FAM103A1	Adrenal	9.77E-08	-0.00046	0.001282	other	0
FAM13B	Adrenal	4.70E-08	0.000616	6.03E-06	increasing	0
FAM155A	Adrenal	1.61E-09	0.000619	7.78E-06	increasing	0
FAM155B	Adrenal	2.07E-07	0.000152	0.298289	other	0
FAM160A1	Adrenal	8.96E-07	0.000722	7.15E-08	increasing	0
FAM198A	Adrenal	6.79E-08	0.000405	0.004259	other	0
FAM221A	Adrenal	4.50E-09	0.000659	1.07E-06	increasing	0
FAM43B	Adrenal	4.66E-08	-0.00018	0.231492	other	0
FAM53C	Adrenal	1.12E-08	7.02E-05	0.640182	other	0
FARS2	Adrenal	4.95E-09	-0.00079	3.10E-09	decreasing	0
FBLIM1	Adrenal	7.34E-13	-0.00085	2.38E-11	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FBN2	Adrenal	2.38E-14	-0.00083	5.89E-11	decreasing	0
FGF14	Adrenal	6.46E-09	0.000687	3.32E-07	increasing	0
FGFR1OP2	Adrenal	1.23E-09	0.000581	3.39E-05	increasing	0
FKBP1A	Adrenal	5.63E-08	-0.00056	8.36E-05	decreasing	0
FNDC1	Adrenal	5.20E-08	-0.00066	5.18E-07	decreasing	0
FOXD1	Adrenal	2.72E-09	-0.00037	0.014712	other	0
FOXP1	Adrenal	5.64E-08	2.12E-05	0.885449	other	0
FSCN1	Adrenal	1.54E-06	-0.00073	6.91E-08	decreasing	0
GABBR1	Adrenal	1.99E-09	0.000594	1.09E-05	increasing	0
GALK1	Adrenal	5.38E-10	-0.00062	5.17E-06	decreasing	0
GALNT12	Adrenal	1.54E-10	0.000455	0.00176	other	0
GAPDH	Adrenal	5.39E-08	-0.0007	2.48E-07	decreasing	0
GCFC2	Adrenal	5.56E-09	0.000195	0.199128	other	0
GDAP1	Adrenal	4.12E-08	0.000645	3.07E-06	increasing	0
GDI2	Adrenal	9.03E-08	-0.00018	0.219284	other	0
GK5	Adrenal	9.61E-13	0.000811	2.61E-10	increasing	0
GLCCI1	Adrenal	1.40E-07	0.000731	5.22E-08	increasing	0
GLIS2	Adrenal	1.10E-07	-0.00064	2.18E-06	decreasing	0
GMNN	Adrenal	1.89E-08	-0.00067	6.45E-07	decreasing	0
GNB1	Adrenal	1.53E-07	-0.00049	0.000371	other	0
GNB5	Adrenal	1.82E-07	0.000403	0.005693	other	0
GNG12	Adrenal	1.67E-09	0.000748	2.16E-08	increasing	0
GNG7	Adrenal	1.39E-07	0.000615	9.06E-06	increasing	0
GOLGA7	Adrenal	4.22E-09	-0.00079	2.31E-09	decreasing	0
GOT2	Adrenal	7.12E-13	-0.00072	5.10E-08	decreasing	0
GPC4	Adrenal	1.02E-09	-0.00072	1.97E-08	decreasing	0
GPC6	Adrenal	5.10E-08	0.000102	0.485496	other	0
GPM6A	Adrenal	2.28E-08	0.000647	3.88E-06	increasing	0
GPR1	Adrenal	2.81E-08	0.000547	0.000121	other	0
GPR137B	Adrenal	2.60E-08	-0.00036	0.013195	other	0
GPR155	Adrenal	9.03E-07	0.000686	1.48E-07	increasing	0
GPR17	Adrenal	1.72E-07	0.000278	0.06549	other	0
GPX7	Adrenal	7.76E-13	-0.0007	8.71E-08	decreasing	0
GRB10	Adrenal	6.77E-14	0.000799	1.30E-09	increasing	0
GRB14	Adrenal	7.06E-11	0.000213	0.142766	other	0
GREB1	Adrenal	4.18E-08	0.000143	0.33783	other	0
GRIN3B	Adrenal	2.01E-07	0.000183	0.218782	other	0
GRIPAP1	Adrenal	3.26E-09	0.00034	0.019181	other	0
GRSF1	Adrenal	2.37E-07	-0.00039	0.006396	other	0
GSTM5	Adrenal	7.62E-08	0.000607	1.02E-05	increasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GTF3C2	Adrenal	2.27E-07	-0.00075	1.45E-08	decreasing	0
GTSE1	Adrenal	1.76E-08	-0.0007	1.47E-07	decreasing	0
HDAC6	Adrenal	1.47E-09	0.000213	0.142772	other	0
HERC3	Adrenal	4.80E-09	0.00063	3.95E-06	increasing	0
HHEX	Adrenal	3.46E-08	-0.00045	0.001571	other	0
HJURP	Adrenal	2.01E-14	-0.00086	1.26E-11	decreasing	0
HMGA2	Adrenal	8.55E-08	-0.00044	0.001045	other	0
HMMR	Adrenal	5.12E-07	-0.00072	4.71E-08	decreasing	0
HN1	Adrenal	9.30E-09	-0.00065	3.19E-06	decreasing	0
HNRNPA2B1	Adrenal	2.49E-07	0.000207	0.169268	other	0
HOPX	Adrenal	2.66E-12	-0.00079	4.47E-10	decreasing	0
HOXB5	Adrenal	1.79E-07	0.000439	0.002259	other	0
HOXB6	Adrenal	2.23E-07	0.000503	0.000285	other	0
HOXB7	Adrenal	5.29E-08	0.000569	4.31E-05	increasing	0
HOXB8	Adrenal	7.21E-11	0.00073	3.82E-08	increasing	0
HS3ST3A1	Adrenal	4.81E-13	-0.00086	3.71E-12	decreasing	0
HSPA9	Adrenal	8.40E-09	-0.00072	9.89E-08	decreasing	0
HTRA3	Adrenal	7.52E-09	-0.00076	1.33E-08	decreasing	0
HYOU1	Adrenal	1.91E-07	0.000502	0.000447	other	0
IDH2	Adrenal	2.21E-10	-0.00073	2.39E-08	decreasing	0
IFITM1	Adrenal	4.01E-10	-0.0004	0.006062	other	0
IFITM10	Adrenal	1.00E-07	-0.0007	3.29E-07	decreasing	0
IFT172	Adrenal	3.18E-12	0.000732	5.02E-08	increasing	0
IGF2	Adrenal	6.20E-10	-0.0006	1.33E-05	decreasing	0
IGF2BP2	Adrenal	3.14E-14	-0.00066	5.49E-07	decreasing	0
IGF2BP3	Adrenal	1.73E-13	-0.00073	1.16E-08	decreasing	0
IGFBP2	Adrenal	5.63E-09	-0.00068	4.28E-07	decreasing	0
IGLON5	Adrenal	1.49E-07	0.000353	0.016156	other	1
IGSF9B	Adrenal	7.03E-09	0.000703	2.82E-07	increasing	0
IL1RAPL1	Adrenal	3.76E-09	-0.00075	1.44E-08	decreasing	0
ING4	Adrenal	3.28E-08	-0.00065	1.99E-06	decreasing	0
ING5	Adrenal	7.16E-11	0.000568	6.27E-05	increasing	1
INHA	Adrenal	2.56E-10	-0.00053	0.000135	other	0
INPP4B	Adrenal	1.18E-07	-0.00065	1.41E-06	decreasing	0
INPP5F	Adrenal	3.80E-07	0.000765	9.82E-09	increasing	0
INTS5	Adrenal	8.05E-07	-0.00071	2.06E-07	decreasing	0
INTS7	Adrenal	3.41E-09	-0.00018	0.238827	other	0
IQGAP3	Adrenal	1.50E-07	-0.00079	1.79E-09	decreasing	0
IQSEC2	Adrenal	5.62E-08	0.000386	0.007381	other	0
IRF6	Adrenal	3.20E-08	0.000616	1.12E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ITGAX	Adrenal	2.28E-08	-0.00068	2.37E-07	decreasing	0
ITGB5	Adrenal	5.07E-11	-0.0008	4.39E-10	decreasing	0
ITGBL1	Adrenal	1.83E-07	0.000507	0.000257	other	0
JPH1	Adrenal	1.79E-07	0.000509	0.000445	other	0
KCNA2	Adrenal	5.62E-10	0.000674	8.93E-07	increasing	0
KCNF1	Adrenal	3.91E-07	-0.00068	1.71E-07	decreasing	0
KCNK1	Adrenal	2.93E-08	-0.00065	1.44E-06	decreasing	0
KCNQ1	Adrenal	4.34E-11	-0.00075	1.47E-08	decreasing	0
KCTD18	Adrenal	1.71E-07	0.000279	0.062374	other	0
KCTD5	Adrenal	1.60E-06	-0.0007	1.74E-07	decreasing	0
KDELC1	Adrenal	3.92E-08	-0.00064	1.19E-06	decreasing	0
KIAA0101	Adrenal	2.40E-09	-0.00075	1.95E-08	decreasing	0
KIAA0391	Adrenal	1.67E-07	-0.00062	4.13E-06	decreasing	0
KIAA0895L	Adrenal	4.06E-10	0.000412	0.004561	other	0
KIAA1467	Adrenal	9.54E-08	0.000609	1.39E-05	increasing	0
KIAA1715	Adrenal	9.14E-08	0.000606	1.09E-05	increasing	0
KIDINS220	Adrenal	5.11E-06	0.000714	1.86E-07	increasing	0
KIF11	Adrenal	6.32E-11	-0.00075	2.95E-09	decreasing	0
KIF15	Adrenal	1.41E-08	-0.00071	1.43E-07	decreasing	0
KIF18A	Adrenal	1.96E-09	-0.00071	1.02E-07	decreasing	0
KIF18B	Adrenal	2.85E-07	-0.00073	2.26E-08	decreasing	0
KIF20A	Adrenal	1.11E-10	-0.00079	1.08E-09	decreasing	0
KIF23	Adrenal	4.80E-08	-0.00062	9.14E-06	decreasing	0
KIF2C	Adrenal	4.14E-11	-0.00073	3.75E-08	decreasing	0
KIF4A	Adrenal	1.09E-09	-0.00074	1.13E-08	decreasing	0
KIFC1	Adrenal	3.56E-09	-0.0008	1.53E-09	decreasing	0
KIFC2	Adrenal	2.09E-07	0.000286	0.050159	other	0
KLF15	Adrenal	1.04E-08	0.000541	0.000116	other	0
KLHL2	Adrenal	7.99E-10	0.000524	0.000203	other	0
KLHL3	Adrenal	1.31E-11	0.000777	1.78E-09	increasing	0
KLHL32	Adrenal	9.74E-09	0.000669	1.40E-06	increasing	0
KLK3	Adrenal	9.48E-09	0.000633	4.68E-06	increasing	0
KNSTRN	Adrenal	7.74E-10	-0.00075	2.51E-08	decreasing	0
KRI1	Adrenal	4.48E-09	0.0003	0.037185	other	0
LAMB2	Adrenal	1.27E-09	0.000416	0.003669	other	0
LBH	Adrenal	7.75E-10	-0.0005	0.000537	other	0
LEAP2	Adrenal	2.45E-07	0.000514	0.000296	other	0
LENG8	Adrenal	6.42E-08	0.000385	0.009207	other	0
LIMD2	Adrenal	1.58E-08	-0.00068	2.79E-07	decreasing	0
LMTK3	Adrenal	2.04E-12	0.000381	0.009005	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103214525	Adrenal	1.91E-08	-0.00012	0.437459	other	0
LOC103214682	Adrenal	6.35E-09	-2.58E-05	0.863128	other	0
LOC103215073	Adrenal	1.35E-07	-0.00024	0.112893	other	0
LOC103215169	Adrenal	7.26E-10	-0.00034	0.022378	other	0
LOC103215206	Adrenal	1.21E-11	0.000746	4.38E-09	increasing	0
LOC103215596	Adrenal	1.38E-11	-0.00084	3.23E-11	decreasing	0
LOC103215799	Adrenal	1.72E-08	-0.00047	0.00113	other	0
LOC103215811	Adrenal	3.26E-08	-0.0002	0.19586	other	0
LOC103215822	Adrenal	1.08E-08	-0.00064	3.81E-06	decreasing	0
LOC103216057	Adrenal	2.11E-07	-0.00072	1.24E-07	decreasing	0
LOC103216143	Adrenal	2.93E-14	-0.00026	0.003633	other	0
LOC103216302	Adrenal	5.68E-08	-0.00019	0.219776	other	0
LOC103216605	Adrenal	2.09E-08	0.000627	4.54E-06	increasing	0
LOC103216629	Adrenal	1.01E-10	7.02E-05	0.568142	other	0
LOC103216770	Adrenal	3.22E-08	-0.00052	0.000302	other	0
LOC103217048	Adrenal	3.93E-09	-0.00028	0.054182	other	0
LOC103217611	Adrenal	1.20E-11	0.000707	4.66E-08	increasing	0
LOC103217681	Adrenal	2.82E-09	0.00075	2.12E-08	increasing	0
LOC103217954	Adrenal	2.56E-07	0.00062	9.85E-06	increasing	0
LOC103218075	Adrenal	2.09E-08	0.000487	0.000684	other	0
LOC103218076	Adrenal	1.34E-10	0.000501	0.000332	other	0
LOC103218078	Adrenal	2.04E-10	0.000491	0.000456	other	0
LOC103218120	Adrenal	4.16E-09	-0.00058	3.56E-05	decreasing	0
LOC103218277	Adrenal	8.17E-09	0.000521	0.000181	other	0
LOC103218335	Adrenal	1.37E-10	0.000488	0.000547	other	0
LOC103218342	Adrenal	2.41E-07	0.000469	0.001334	other	0
LOC103218500	Adrenal	5.58E-10	0.00031	0.036423	other	0
LOC103218561	Adrenal	1.92E-11	0.000738	2.37E-08	increasing	0
LOC103218873	Adrenal	1.07E-07	0.000386	0.008864	other	1
LOC103219292	Adrenal	4.67E-08	0.000496	0.000558	other	0
LOC103219460	Adrenal	3.08E-08	-0.0005	0.000391	other	0
LOC103219487	Adrenal	7.57E-09	0.000386	0.0066	other	0
LOC103219495	Adrenal	2.02E-07	0.000529	0.000151	other	0
LOC103219590	Adrenal	5.07E-10	-0.00019	0.05761	other	0
LOC103219699	Adrenal	5.69E-08	0.000293	0.052731	other	1
LOC103219720	Adrenal	8.78E-09	4.92E-06	0.973258	other	0
LOC103219727	Adrenal	6.19E-08	0.00016	0.27311	other	0
LOC103219791	Adrenal	2.38E-07	0.000411	0.003687	other	1
LOC103219806	Adrenal	1.32E-10	0.000429	0.003211	other	0
LOC103219855	Adrenal	2.15E-06	-0.00072	1.26E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103219913	Adrenal	1.69E-07	0.000504	0.000375	other	0
LOC103219980	Adrenal	1.85E-07	-0.00023	0.127786	other	0
LOC103220002	Adrenal	1.56E-09	-0.00055	7.53E-05	decreasing	0
LOC103220015	Adrenal	9.10E-08	-0.00038	0.009522	other	0
LOC103220052	Adrenal	6.44E-08	-0.00032	0.033481	other	0
LOC103220535	Adrenal	6.61E-09	0.000515	0.000355	other	0
LOC103220998	Adrenal	1.70E-07	-2.93E-05	0.848492	other	0
LOC103221080	Adrenal	1.54E-07	-0.0002	0.178369	other	0
LOC103221325	Adrenal	1.28E-07	-0.00012	0.41872	other	0
LOC103221711	Adrenal	5.43E-09	0.000367	0.013593	other	0
LOC103221955	Adrenal	2.64E-08	-0.00058	3.44E-05	decreasing	0
LOC103222389	Adrenal	1.75E-07	-9.68E-05	0.525306	other	0
LOC103222782	Adrenal	5.77E-09	-0.00068	6.63E-07	decreasing	0
LOC103222898	Adrenal	1.54E-11	-0.00083	4.72E-11	decreasing	0
LOC103222969	Adrenal	9.72E-08	0.000499	0.000507	other	0
LOC103223027	Adrenal	5.95E-08	-4.12E-05	0.777056	other	0
LOC103223217	Adrenal	2.85E-11	0.000631	3.13E-06	increasing	0
LOC103223219	Adrenal	1.27E-08	0.000557	8.46E-05	increasing	0
LOC103223276	Adrenal	2.11E-07	0.000521	0.00025	other	0
LOC103223412	Adrenal	1.26E-07	0.000411	0.005248	other	0
LOC103223413	Adrenal	1.70E-07	0.000284	0.060438	other	0
LOC103223421	Adrenal	9.00E-09	-0.00048	0.000892	other	0
LOC103223422	Adrenal	7.11E-08	-0.00071	6.46E-08	decreasing	0
LOC103223583	Adrenal	2.21E-08	0.000545	0.00012	other	0
LOC103224177	Adrenal	1.21E-08	0.000696	1.13E-08	increasing	0
LOC103224222	Adrenal	9.15E-09	-0.00047	0.001398	other	0
LOC103224274	Adrenal	8.26E-08	0.000719	7.54E-08	increasing	0
LOC103224310	Adrenal	5.02E-09	-2.36E-05	0.875471	other	0
LOC103224428	Adrenal	1.67E-08	-0.00057	4.68E-05	decreasing	0
LOC103224472	Adrenal	7.63E-08	-0.00013	0.377428	other	0
LOC103224513	Adrenal	9.40E-10	-0.00063	7.81E-06	decreasing	0
LOC103225645	Adrenal	7.33E-11	0.000739	1.89E-08	increasing	1
LOC103225803	Adrenal	2.62E-08	0.000452	0.002181	other	0
LOC103225929	Adrenal	8.02E-08	0.000365	0.014468	other	0
LOC103226015	Adrenal	1.13E-08	-0.00014	0.338574	other	0
LOC103226801	Adrenal	2.55E-10	0.000798	8.00E-10	increasing	0
LOC103226836	Adrenal	7.64E-08	0.000268	0.075088	other	0
LOC103226908	Adrenal	2.23E-08	0.000629	4.66E-06	increasing	0
LOC103227374	Adrenal	4.06E-08	-6.19E-05	0.685668	other	0
LOC103227921	Adrenal	6.21E-09	4.93E-05	0.691378	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103227965	Adrenal	1.87E-09	0.000588	3.50E-05	increasing	0
LOC103228469	Adrenal	1.52E-07	-0.00011	0.326262	other	0
LOC103228547	Adrenal	1.03E-08	0.000648	2.73E-06	increasing	0
LOC103228610	Adrenal	6.80E-08	9.92E-05	0.458497	other	0
LOC103229081	Adrenal	9.37E-09	-0.00047	0.001353	other	0
LOC103229468	Adrenal	2.28E-08	-0.00069	2.43E-07	decreasing	0
LOC103229581	Adrenal	1.93E-09	0.000366	0.008097	other	0
LOC103229682	Adrenal	3.82E-08	0.000534	0.000104	other	0
LOC103229888	Adrenal	4.15E-08	0.000563	7.52E-05	increasing	0
LOC103230072	Adrenal	3.11E-08	-0.0001	0.503064	other	0
LOC103230870	Adrenal	4.87E-09	0.000455	0.001837	other	0
LOC103231021	Adrenal	5.12E-11	0.000538	0.00017	other	0
LOC103231181	Adrenal	1.39E-08	0.000365	0.014334	other	0
LOC103231233	Adrenal	2.12E-08	-0.00041	0.004654	other	0
LOC103231443	Adrenal	1.10E-08	-0.00061	1.22E-05	decreasing	0
LOC103231470	Adrenal	2.41E-07	0.000301	0.042665	other	0
LOC103231503	Adrenal	3.07E-08	0.000372	0.012468	other	0
LOC103231759	Adrenal	1.29E-07	-0.00031	0.014843	other	0
LOC103232029	Adrenal	1.30E-10	-0.00078	7.98E-10	decreasing	0
LOC103232075	Adrenal	2.44E-07	0.000183	0.220664	other	0
LOC103232220	Adrenal	7.24E-08	0.000706	1.75E-07	increasing	0
LOC103232225	Adrenal	1.11E-08	0.000636	1.77E-06	increasing	0
LOC103232248	Adrenal	1.72E-07	-0.00012	0.437187	other	0
LOC103232258	Adrenal	8.66E-08	-0.00064	5.32E-06	decreasing	0
LOC103232371	Adrenal	1.24E-07	1.29E-05	0.921494	other	0
LOC103232495	Adrenal	1.18E-08	0.000666	1.11E-06	increasing	0
LOC103232675	Adrenal	1.42E-09	-0.00022	0.044683	other	0
LOC103232783	Adrenal	2.37E-08	0.00048	0.000675	other	0
LOC103232839	Adrenal	1.20E-05	0.000624	1.15E-07	increasing	0
LOC103232846	Adrenal	5.76E-11	0.000819	9.44E-11	increasing	0
LOC103232870	Adrenal	3.25E-11	-0.0008	7.29E-10	decreasing	0
LOC103232983	Adrenal	4.63E-08	-0.00074	2.37E-08	decreasing	0
LOC103233446	Adrenal	8.35E-10	0.000615	1.42E-05	increasing	0
LOC103233666	Adrenal	1.79E-07	0.000173	0.245623	other	0
LOC103234319	Adrenal	5.71E-11	0.000486	0.00063	other	0
LOC103234347	Adrenal	1.70E-08	-0.00049	0.00056	other	0
LOC103234417	Adrenal	5.71E-09	-0.00067	1.11E-06	decreasing	0
LOC103234458	Adrenal	2.57E-07	1.02E-05	0.94683	other	0
LOC103234540	Adrenal	1.59E-08	0.000307	0.033182	other	0
LOC103234987	Adrenal	2.66E-09	0.000393	0.005958	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103234988	Adrenal	1.79E-07	0.000293	0.043853	other	0
LOC103235510	Adrenal	8.25E-08	0.000402	0.005453	other	0
LOC103235529	Adrenal	2.20E-09	0.000209	0.159281	other	0
LOC103235723	Adrenal	3.03E-08	0.000166	0.272671	other	0
LOC103236385	Adrenal	1.44E-08	-0.00049	0.000611	other	0
LOC103236489	Adrenal	6.69E-09	-0.0003	0.043299	other	0
LOC103236588	Adrenal	2.35E-07	-0.00019	0.046746	other	0
LOC103237601	Adrenal	1.06E-07	0.000219	0.136794	other	0
LOC103237606	Adrenal	4.05E-08	0.000379	0.010183	other	0
LOC103237612	Adrenal	1.41E-09	0.000452	0.002014	other	0
LOC103237685	Adrenal	9.26E-08	-0.00012	0.448578	other	0
LOC103237714	Adrenal	1.19E-07	-6.45E-05	0.660355	other	0
LOC103237731	Adrenal	7.27E-09	0.00032	0.030562	other	0
LOC103237932	Adrenal	3.10E-09	0.000343	0.021707	other	0
LOC103238047	Adrenal	1.18E-09	-0.00026	0.091345	other	0
LOC103238059	Adrenal	7.98E-08	-1.49E-05	0.922617	other	0
LOC103238179	Adrenal	3.84E-10	0.000505	0.000267	other	0
LOC103238689	Adrenal	9.25E-08	-0.00018	0.210861	other	0
LOC103238749	Adrenal	1.29E-08	-0.00073	5.27E-08	decreasing	0
LOC103238863	Adrenal	1.92E-11	-0.00064	3.23E-06	decreasing	0
LOC103239186	Adrenal	3.26E-09	0.000433	0.002957	other	0
LOC103239433	Adrenal	3.58E-09	0.000368	0.011538	other	1
LOC103239713	Adrenal	1.57E-07	-2.52E-05	0.869467	other	0
LOC103240394	Adrenal	5.68E-08	-0.00014	0.350845	other	0
LOC103240550	Adrenal	8.54E-08	-0.00016	0.283054	other	0
LOC103240700	Adrenal	1.14E-06	-0.00069	1.15E-07	decreasing	0
LOC103241261	Adrenal	2.66E-08	-0.00017	0.268181	other	0
LOC103241750	Adrenal	4.00E-10	-0.00055	0.000145	other	0
LOC103241820	Adrenal	5.64E-09	0.000478	0.000793	other	0
LOC103241849	Adrenal	1.09E-15	-0.00082	4.92E-11	decreasing	0
LOC103241860	Adrenal	8.69E-08	-0.00029	0.042873	other	0
LOC103242266	Adrenal	4.49E-14	0.000861	2.33E-12	increasing	0
LOC103242316	Adrenal	1.53E-08	0.00025	0.096251	other	0
LOC103242374	Adrenal	2.56E-08	0.000446	0.002195	other	0
LOC103242416	Adrenal	1.54E-14	-0.00081	2.05E-10	decreasing	0
LOC103242623	Adrenal	3.49E-08	0.000503	0.000438	other	0
LOC103242644	Adrenal	3.22E-13	0.000466	0.001278	other	0
LOC103243150	Adrenal	2.17E-09	0.000324	0.025655	other	0
LOC103243227	Adrenal	1.43E-10	-0.00071	1.26E-07	decreasing	0
LOC103243406	Adrenal	2.68E-08	1.05E-05	0.945565	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103243565	Adrenal	1.25E-07	0.000448	0.002256	other	0
LOC103243610	Adrenal	4.56E-11	0.000704	1.54E-07	increasing	0
LOC103243718	Adrenal	6.31E-09	0.000405	0.005331	other	0
LOC103243762	Adrenal	7.91E-09	0.000328	0.0281	other	0
LOC103244088	Adrenal	5.77E-10	0.000511	0.000385	other	0
LOC103244129	Adrenal	3.54E-10	1.06E-06	0.994458	other	0
LOC103244719	Adrenal	9.37E-08	-0.00071	2.29E-07	decreasing	0
LOC103245136	Adrenal	8.89E-08	0.00072	1.18E-07	increasing	0
LOC103245138	Adrenal	1.16E-09	0.000666	1.28E-06	increasing	0
LOC103245177	Adrenal	9.10E-10	0.000732	4.41E-08	increasing	0
LOC103245178	Adrenal	2.44E-06	0.000708	2.35E-07	increasing	0
LOC103245181	Adrenal	9.35E-09	0.000691	4.39E-07	increasing	0
LOC103245320	Adrenal	1.72E-09	-0.0005	0.000438	other	0
LOC103245358	Adrenal	8.98E-08	7.95E-06	0.958186	other	0
LOC103246025	Adrenal	2.84E-08	0.000618	1.00E-05	increasing	0
LOC103246038	Adrenal	3.91E-08	0.000641	3.07E-06	increasing	0
LOC103246419	Adrenal	6.05E-08	0.000162	0.282691	other	0
LOC103246433	Adrenal	2.26E-07	-0.0003	0.045604	other	0
LOC103246486	Adrenal	3.95E-08	0.000555	0.000115	other	1
LOC103246522	Adrenal	2.25E-07	0.000611	1.39E-05	increasing	0
LOC103246602	Adrenal	4.14E-08	-0.00028	0.063012	other	0
LOC103246666	Adrenal	2.47E-08	0.000112	0.459475	other	0
LOC103246766	Adrenal	2.09E-07	0.000469	0.001175	other	0
LOC103246879	Adrenal	1.67E-07	0.000442	0.002593	other	0
LOC103247904	Adrenal	2.24E-08	-0.00011	0.3142	other	0
LOC103248224	Adrenal	1.69E-10	0.000578	3.78E-05	increasing	0
LOC103248994	Adrenal	1.89E-07	-0.00034	0.019796	other	0
LOC103249008	Adrenal	2.26E-07	-6.07E-05	0.68702	other	0
LOX	Adrenal	4.04E-08	-0.00068	5.22E-07	decreasing	0
LOXL2	Adrenal	1.32E-09	-0.00076	4.61E-09	decreasing	0
LOXL4	Adrenal	1.03E-08	0.000635	1.88E-06	increasing	0
LRP1	Adrenal	1.19E-08	0.000578	2.74E-05	increasing	0
LRRC23	Adrenal	5.59E-09	0.000443	0.002322	other	0
LRRC39	Adrenal	9.62E-08	-0.00015	0.290741	other	0
LRRC8E	Adrenal	1.17E-07	0.000512	0.000215	other	0
LRRFIP1	Adrenal	4.39E-06	0.000701	2.20E-07	increasing	0
LRWD1	Adrenal	2.31E-08	-0.00055	8.19E-05	decreasing	0
LSR	Adrenal	9.40E-08	-0.00066	7.97E-07	decreasing	0
LSS	Adrenal	3.74E-08	0.000552	0.000128	other	0
MAD2L1	Adrenal	8.36E-06	-0.00072	1.55E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MALSU1	Adrenal	5.64E-08	-0.00068	6.77E-07	decreasing	0
MAMDC2	Adrenal	1.02E-09	0.000783	2.20E-09	increasing	0
MAN2A2	Adrenal	4.96E-08	0.00022	0.144659	other	0
MAN2C1	Adrenal	5.68E-09	0.000439	0.002063	other	0
MAOB	Adrenal	7.07E-08	0.00071	6.45E-08	increasing	0
MAP7	Adrenal	3.92E-09	0.000678	5.11E-07	increasing	0
MAPKBP1	Adrenal	1.06E-09	0.00031	0.040034	other	0
MARCH3	Adrenal	1.92E-07	-0.00054	9.86E-05	decreasing	0
MARCKS	Adrenal	9.68E-08	-0.00011	0.472105	other	0
MARK1	Adrenal	5.55E-11	0.000781	1.32E-09	increasing	0
MAVS	Adrenal	6.81E-10	0.000779	4.43E-09	increasing	0
MAZ	Adrenal	2.02E-07	-0.00068	8.45E-07	decreasing	0
MBOAT7	Adrenal	4.99E-10	-0.00077	3.63E-09	decreasing	0
MCCD1	Adrenal	2.39E-07	-0.00032	0.028937	other	0
MCF2L2	Adrenal	1.43E-08	0.000594	1.71E-05	increasing	0
MDK	Adrenal	1.44E-08	-0.00063	2.37E-06	decreasing	0
ME1	Adrenal	1.61E-09	0.000456	0.001828	other	0
MECOM	Adrenal	5.63E-08	-0.00017	0.242053	other	0
MED6	Adrenal	2.25E-07	-0.00063	5.26E-06	decreasing	0
MEGF8	Adrenal	7.46E-09	0.000324	0.030151	other	0
MELK	Adrenal	4.69E-10	-0.00069	3.60E-07	decreasing	0
MFAP2	Adrenal	1.05E-12	-0.00082	8.74E-11	decreasing	0
MFAP5	Adrenal	1.49E-07	-0.00064	4.67E-06	decreasing	0
MGAT4B	Adrenal	2.45E-07	-0.0007	1.84E-07	decreasing	0
MGLL	Adrenal	5.91E-07	-0.00076	1.11E-08	decreasing	0
MGRN1	Adrenal	1.21E-08	-0.00058	3.43E-05	decreasing	0
MICAL2	Adrenal	1.38E-07	-4.05E-05	0.782671	other	0
MKI67	Adrenal	1.99E-11	-0.00073	3.46E-08	decreasing	0
MLLT6	Adrenal	4.24E-10	0.000313	0.031654	other	0
MLYCD	Adrenal	6.69E-09	-0.00073	3.39E-08	decreasing	0
MMP10	Adrenal	9.81E-08	-0.00023	0.057503	other	0
MMP2	Adrenal	7.69E-08	-0.00073	9.25E-08	decreasing	0
MMP24	Adrenal	5.29E-08	0.000507	0.000344	other	0
MPP3	Adrenal	2.91E-08	0.000386	0.008755	other	0
MPP6	Adrenal	5.43E-08	0.000152	0.308788	other	0
MROH1	Adrenal	2.31E-07	0.000326	0.025848	other	0
MRPL1	Adrenal	4.80E-08	-0.00058	2.53E-05	decreasing	0
MRPL10	Adrenal	4.91E-08	-0.00069	3.99E-07	decreasing	0
MRPL16	Adrenal	9.60E-10	-0.00075	7.59E-09	decreasing	0
MRPL22	Adrenal	4.73E-08	-0.00066	2.17E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MRPL30	Adrenal	2.17E-07	-0.00022	0.145258	other	0
MRPL37	Adrenal	2.71E-10	-0.00074	2.78E-08	decreasing	0
MRPS18A	Adrenal	4.10E-08	-0.00074	5.71E-08	decreasing	0
MRPS2	Adrenal	2.95E-08	-0.00076	1.10E-08	decreasing	0
MRPS22	Adrenal	9.35E-11	-0.00077	2.74E-09	decreasing	0
MRPS7	Adrenal	1.14E-11	-0.00081	4.36E-10	decreasing	0
MRRF	Adrenal	1.15E-09	-0.00073	8.41E-08	decreasing	0
MTCH2	Adrenal	1.89E-09	-0.00066	2.10E-06	decreasing	0
MTPAP	Adrenal	6.24E-11	-0.00055	0.000119	other	1
MYB	Adrenal	9.97E-08	-0.00063	3.50E-06	decreasing	0
MYBL2	Adrenal	4.00E-10	-0.00076	5.85E-09	decreasing	0
MYO16	Adrenal	1.39E-07	-0.00067	6.28E-07	decreasing	0
MYO18A	Adrenal	2.03E-10	0.000395	0.006459	other	0
MYO6	Adrenal	9.93E-08	0.000679	7.42E-07	increasing	0
MYRIP	Adrenal	6.03E-08	0.000679	8.75E-07	increasing	1
NALCN	Adrenal	5.03E-09	0.000592	1.18E-05	increasing	0
NAP1L2	Adrenal	2.59E-09	0.000704	1.56E-07	increasing	0
NCAPG	Adrenal	1.21E-07	-0.00069	4.44E-07	decreasing	0
NCAPH	Adrenal	7.73E-11	-0.00078	1.66E-09	decreasing	0
NCK2	Adrenal	5.36E-08	-0.00047	0.000955	other	0
NCMAP	Adrenal	1.45E-07	-0.00054	9.33E-05	decreasing	0
NDC80	Adrenal	4.40E-09	-0.00068	6.50E-07	decreasing	0
NDUFA10	Adrenal	7.97E-12	-0.0008	5.78E-10	decreasing	0
NDUFA9	Adrenal	1.01E-09	-0.00065	3.11E-06	decreasing	0
NDUFS2	Adrenal	6.81E-08	-0.00068	7.41E-07	decreasing	0
NDUFS3	Adrenal	5.42E-07	-0.00072	1.56E-07	decreasing	0
NEFH	Adrenal	1.35E-07	-2.37E-05	0.873135	other	0
NEK1	Adrenal	2.05E-07	0.000621	4.86E-06	increasing	0
NEK2	Adrenal	8.90E-12	-0.00081	1.61E-10	decreasing	0
NEO1	Adrenal	1.39E-08	0.000599	1.57E-05	increasing	0
NEU3	Adrenal	1.91E-07	0.000718	1.45E-07	increasing	0
NEURL3	Adrenal	6.39E-08	-0.0004	0.001492	other	0
NFS1	Adrenal	5.12E-12	-0.00073	3.76E-08	decreasing	0
NID1	Adrenal	8.48E-08	-0.00062	4.00E-06	decreasing	0
NIPSNAP1	Adrenal	4.34E-08	-0.00077	5.78E-09	decreasing	0
NLRX1	Adrenal	9.66E-10	-0.00069	3.04E-07	decreasing	0
NOP16	Adrenal	2.73E-09	-0.00074	3.22E-08	decreasing	0
NOP9	Adrenal	6.13E-08	0.00025	0.084069	other	0
NOTCH3	Adrenal	2.46E-08	0.000123	0.420028	other	0
NPAP1	Adrenal	2.99E-08	0.000739	3.63E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
NPC1L1	Adrenal	2.29E-07	0.000501	0.000373	other	0
NPFFR2	Adrenal	2.34E-05	0.000705	1.10E-07	increasing	1
NPNT	Adrenal	1.36E-08	-0.00029	0.054288	other	0
NPR2	Adrenal	1.92E-07	5.04E-05	0.731286	other	0
NR2E3	Adrenal	9.89E-08	-0.00074	4.17E-08	decreasing	0
NR3C2	Adrenal	1.43E-13	0.000781	1.08E-09	increasing	0
NRAS	Adrenal	9.19E-08	-0.00014	0.340664	other	0
NRBP1	Adrenal	8.91E-10	-0.00077	3.03E-09	decreasing	0
NRBP2	Adrenal	1.56E-08	0.000614	4.84E-06	increasing	1
NRCAM	Adrenal	1.13E-08	0.000715	9.34E-08	increasing	0
NREP	Adrenal	2.08E-07	-0.00013	0.366821	other	0
NRM	Adrenal	5.20E-08	-0.00068	1.11E-06	decreasing	0
NRP1	Adrenal	1.22E-07	-0.00045	0.001453	other	0
NRTN	Adrenal	1.60E-07	-0.00056	4.66E-05	decreasing	0
NT5C3A	Adrenal	9.06E-09	-1.42E-05	0.92495	other	0
NUCB2	Adrenal	8.18E-08	0.000678	6.54E-07	increasing	0
NUP85	Adrenal	6.56E-08	-0.00071	2.51E-07	decreasing	0
NUSAP1	Adrenal	2.59E-10	-0.00074	1.79E-08	decreasing	0
NUTF2	Adrenal	1.55E-07	-0.00043	0.003174	other	0
NXN	Adrenal	2.77E-09	-0.00078	4.17E-09	decreasing	1
NXPH1	Adrenal	1.68E-07	0.000509	0.000316	other	0
OGDHL	Adrenal	4.53E-08	0.000433	0.002721	other	0
OPLAH	Adrenal	2.92E-09	0.000398	0.005631	other	0
OPN1SW	Adrenal	1.05E-07	-0.00022	0.138939	other	0
OSBPL10	Adrenal	4.34E-08	-0.0005	0.00049	other	0
OSBPL2	Adrenal	3.72E-09	0.000412	0.005109	other	0
OSTF1	Adrenal	2.32E-09	-0.00073	4.99E-08	decreasing	0
OTOL1	Adrenal	4.12E-11	-0.00014	0.128125	other	0
OTUD3	Adrenal	2.13E-07	0.000584	2.77E-05	increasing	0
PABPC3	Adrenal	6.45E-08	-8.96E-05	0.548788	other	0
PAN2	Adrenal	3.51E-08	0.000428	0.003664	other	0
PAPSS2	Adrenal	9.44E-09	0.00047	0.000987	other	0
PAQR4	Adrenal	2.64E-10	-0.00078	2.26E-09	decreasing	0
PBK	Adrenal	1.18E-08	-0.00074	2.24E-08	decreasing	0
PBX3	Adrenal	1.58E-09	0.000645	2.31E-06	increasing	0
PCDHB7	Adrenal	1.19E-08	0.000706	1.04E-07	increasing	0
PDE2A	Adrenal	2.08E-07	-0.00014	0.340239	other	0
PDGFRL	Adrenal	1.87E-09	-0.00067	1.72E-06	decreasing	0
PDHB	Adrenal	1.52E-11	-0.00079	1.07E-09	decreasing	0
PDHX	Adrenal	1.55E-08	-0.0007	1.30E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PDIA2	Adrenal	2.44E-09	0.000527	0.000196	other	0
PEX13	Adrenal	1.04E-08	-0.00039	0.008211	other	0
PFDN1	Adrenal	2.20E-07	-0.00055	0.000126	other	0
PHB2	Adrenal	3.29E-06	-0.00073	6.39E-08	decreasing	0
PHF2	Adrenal	1.55E-07	0.000268	0.068718	other	0
PI15	Adrenal	4.54E-10	-0.00068	7.08E-07	decreasing	0
PI16	Adrenal	5.51E-09	-0.00077	9.17E-09	decreasing	0
PIGU	Adrenal	1.48E-08	-0.00072	2.79E-08	decreasing	0
PIP4K2B	Adrenal	2.01E-08	-9.33E-05	0.536545	other	0
PITPNC1	Adrenal	1.11E-07	-0.00058	2.18E-05	decreasing	0
PKIB	Adrenal	1.09E-12	-0.00073	5.93E-08	decreasing	0
PKMYT1	Adrenal	7.65E-08	-0.00075	1.50E-08	decreasing	0
PKP2	Adrenal	2.59E-09	0.000678	5.60E-07	increasing	0
PLBD2	Adrenal	2.35E-07	0.000508	0.000434	other	1
PLCL2	Adrenal	2.07E-09	-0.00042	0.003181	other	0
PLEKHH1	Adrenal	3.26E-08	0.000342	0.018263	other	0
PLP2	Adrenal	2.55E-13	-0.00078	1.51E-09	decreasing	0
PNMA1	Adrenal	5.99E-09	7.61E-05	0.603795	other	0
POC1B	Adrenal	1.88E-08	-0.00046	0.001944	other	1
POGLUT1	Adrenal	6.57E-08	0.000168	0.261756	other	0
POLG	Adrenal	1.47E-07	-0.00069	5.41E-07	decreasing	0
POMGNT2	Adrenal	3.20E-08	-9.72E-05	0.512312	other	0
POSTN	Adrenal	3.50E-08	-0.00057	4.39E-05	decreasing	0
POU6F1	Adrenal	2.72E-09	0.000469	0.001152	other	0
PPAP2A	Adrenal	6.20E-10	-0.00071	2.61E-07	decreasing	0
PPIP5K2	Adrenal	2.04E-08	0.000311	0.030512	other	0
PPM1B	Adrenal	9.12E-12	0.000845	4.84E-11	increasing	0
PPP1R14B	Adrenal	7.37E-08	-0.0007	2.59E-07	decreasing	0
PPP2R5E	Adrenal	5.62E-09	0.000648	2.07E-06	increasing	0
PPP4C	Adrenal	1.44E-08	-0.00077	3.46E-09	decreasing	0
PRC1	Adrenal	2.18E-09	-0.00071	5.64E-08	decreasing	0
PRKAA2	Adrenal	5.64E-09	0.000629	4.74E-06	increasing	0
PRKCA	Adrenal	9.39E-08	0.000639	3.65E-06	increasing	0
PRLR	Adrenal	2.40E-13	0.000832	2.14E-11	increasing	0
PRPS2	Adrenal	4.47E-08	0.000442	0.001697	other	0
PRPSAP1	Adrenal	6.35E-06	-0.00071	2.56E-07	decreasing	0
PRR16	Adrenal	3.78E-07	0.000703	1.40E-07	increasing	0
PRSS23	Adrenal	7.19E-08	-0.00061	9.17E-06	decreasing	0
PRUNE2	Adrenal	5.18E-07	0.000742	2.85E-08	increasing	0
PSKH1	Adrenal	1.88E-06	-0.0007	2.35E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PSMA2	Adrenal	1.24E-07	-0.0004	0.006226	other	0
PXDN	Adrenal	2.61E-09	-0.00076	3.71E-09	decreasing	0
PYROXD2	Adrenal	1.83E-07	0.000415	0.004497	other	0
QPCT	Adrenal	7.32E-08	-0.00065	1.91E-06	decreasing	0
RAC1	Adrenal	1.11E-08	-0.00031	0.036275	other	0
RACGAP1	Adrenal	3.27E-09	-0.00073	4.05E-08	decreasing	1
RANBP1	Adrenal	2.56E-07	-0.00064	3.05E-06	decreasing	0
RASL10B	Adrenal	2.39E-11	-0.00078	1.93E-09	decreasing	0
RBM19	Adrenal	1.83E-13	-0.00079	7.24E-10	decreasing	1
RBM38	Adrenal	1.98E-09	-0.0007	1.81E-07	decreasing	0
RBPMS2	Adrenal	4.66E-10	-0.00075	2.15E-08	decreasing	0
REXO2	Adrenal	8.45E-11	-0.00072	2.04E-08	decreasing	0
RGMA	Adrenal	3.30E-08	-0.00055	0.000126	other	0
RGP1	Adrenal	4.48E-14	0.000446	0.00204	other	0
RHBG	Adrenal	3.45E-08	0.000163	0.251851	other	0
RHOA	Adrenal	8.43E-08	-0.00045	0.001859	other	0
RIMS4	Adrenal	2.25E-09	0.000629	5.15E-06	increasing	0
RMI2	Adrenal	2.82E-09	-0.0005	0.00053	other	0
RNF130	Adrenal	4.12E-07	-0.00073	1.02E-07	decreasing	0
ROBO2	Adrenal	4.51E-09	-0.00072	6.08E-08	decreasing	0
RORC	Adrenal	2.42E-08	0.000668	1.34E-06	increasing	0
RPF1	Adrenal	7.69E-09	-0.00036	0.016546	other	0
RPL22L1	Adrenal	2.17E-10	-0.00075	1.19E-08	decreasing	0
RPS6KA1	Adrenal	2.17E-05	-0.00072	1.28E-07	decreasing	0
RQCD1	Adrenal	2.45E-08	-0.00047	0.001244	other	0
RRM2	Adrenal	5.58E-08	-0.00076	9.15E-09	decreasing	0
RSPO3	Adrenal	8.72E-09	-0.00035	0.015917	other	0
RSRP1	Adrenal	3.59E-09	0.000514	0.000314	other	0
RTN1	Adrenal	1.37E-09	0.000652	8.48E-07	increasing	0
RUSC2	Adrenal	2.50E-07	0.000358	0.012267	other	0
SAFB2	Adrenal	8.62E-09	0.000368	0.010793	other	0
SAMD12	Adrenal	9.83E-10	0.000748	8.96E-09	increasing	0
SARM1	Adrenal	5.56E-08	0.000216	0.136639	other	0
SASH1	Adrenal	4.43E-08	0.000778	2.83E-09	increasing	0
SATB1	Adrenal	1.52E-08	0.000715	6.24E-08	increasing	0
SC5D	Adrenal	1.06E-09	0.000588	3.74E-05	increasing	0
SCAMP5	Adrenal	7.19E-09	0.000582	2.38E-05	increasing	0
SCML1	Adrenal	2.56E-07	0.000273	0.062503	other	0
SCN8A	Adrenal	1.41E-09	0.000261	0.078061	other	0
SDC2	Adrenal	2.80E-11	0.000384	0.006936	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SDHAF2	Adrenal	4.56E-08	-0.00065	3.40E-06	decreasing	0
SEC31B	Adrenal	4.45E-11	0.00029	0.050911	other	0
SERBP1	Adrenal	1.62E-07	-0.00057	2.95E-05	decreasing	0
SERPIND1	Adrenal	9.87E-08	9.01E-05	0.543592	other	0
SET	Adrenal	2.66E-08	-0.00032	0.034432	other	0
SFRP4	Adrenal	8.20E-08	0.000474	0.000817	other	0
SGOL1	Adrenal	5.32E-07	-0.00071	1.91E-07	decreasing	0
SGSM1	Adrenal	8.22E-10	0.000664	1.48E-06	increasing	1
SHANK1	Adrenal	1.84E-10	0.000634	4.15E-06	increasing	0
SHC2	Adrenal	5.87E-09	0.000252	0.09309	other	0
SHC3	Adrenal	4.99E-08	0.000162	0.271969	other	0
SHISA8	Adrenal	2.66E-09	-0.00075	1.50E-08	decreasing	0
SIAE	Adrenal	1.47E-07	0.000518	0.000244	other	0
SIDT1	Adrenal	7.95E-09	0.000612	9.39E-06	increasing	0
SLAMF9	Adrenal	2.90E-09	-0.00081	3.83E-10	decreasing	0
SLC12A5	Adrenal	1.30E-07	0.000461	0.00152	other	0
SLC22A15	Adrenal	1.28E-07	0.000683	7.55E-07	increasing	0
SLC24A3	Adrenal	4.95E-08	-0.00071	2.13E-07	decreasing	0
SLC25A20	Adrenal	8.87E-12	-0.00082	1.82E-10	decreasing	0
SLC25A29	Adrenal	3.90E-10	0.000656	1.43E-06	increasing	0
SLC2A4	Adrenal	1.71E-05	-0.00071	2.16E-07	decreasing	0
SLC4A1	Adrenal	1.67E-07	-0.00065	2.07E-06	decreasing	0
SLC4A11	Adrenal	1.38E-07	0.000281	0.051586	other	0
SLC6A16	Adrenal	2.22E-08	0.000242	0.099632	other	1
SMARCAL1	Adrenal	1.25E-08	-0.00073	1.60E-08	decreasing	0
SMARCC2	Adrenal	4.49E-10	0.00061	1.36E-05	increasing	0
SMARCD3	Adrenal	1.13E-06	-0.00075	1.60E-08	decreasing	0
SMIM14	Adrenal	6.95E-08	0.000571	6.01E-05	increasing	0
SMTNL2	Adrenal	4.48E-10	-0.00071	1.30E-07	decreasing	0
SMUG1	Adrenal	7.63E-08	-0.00062	6.54E-06	decreasing	0
SNRPC	Adrenal	3.02E-09	-0.00068	6.94E-07	decreasing	0
SNRPD3	Adrenal	3.17E-08	-0.00065	3.05E-06	decreasing	0
SNX32	Adrenal	9.61E-08	9.09E-05	0.542958	other	0
SOWAHB	Adrenal	1.19E-07	-0.00075	7.85E-09	decreasing	0
SOX11	Adrenal	6.88E-11	-0.00074	1.80E-08	decreasing	0
SOX21	Adrenal	1.74E-10	0.000785	4.02E-10	increasing	0
SP4	Adrenal	2.46E-08	0.000705	1.98E-07	increasing	0
SPAG7	Adrenal	4.42E-09	-0.0007	2.15E-07	decreasing	0
SPARC	Adrenal	8.98E-17	-0.00088	3.97E-13	decreasing	0
SPATA1	Adrenal	6.39E-08	-0.00065	2.20E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SPEF2	Adrenal	2.61E-08	0.000781	3.68E-09	increasing	0
SPRED3	Adrenal	2.61E-07	0.000604	1.78E-05	increasing	0
SPTBN2	Adrenal	3.37E-12	0.000556	6.94E-05	increasing	0
SPTBN4	Adrenal	1.96E-10	0.000647	2.17E-06	increasing	0
SRCIN1	Adrenal	3.59E-09	0.00011	0.451438	other	0
SRPK2	Adrenal	2.66E-06	0.000713	1.93E-07	increasing	0
SRRM2	Adrenal	1.53E-10	0.00039	0.008541	other	0
SRSF5	Adrenal	2.29E-08	0.000286	0.051657	other	0
ST8SIA5	Adrenal	1.68E-09	-0.00068	6.79E-07	decreasing	0
STARD4	Adrenal	8.76E-09	0.000478	0.000995	other	0
STAT5B	Adrenal	7.27E-08	0.00038	0.009514	other	0
STK24	Adrenal	2.28E-11	-0.00045	0.001372	other	0
STK31	Adrenal	4.14E-09	0.000652	1.52E-06	increasing	1
STRADA	Adrenal	1.28E-07	-0.00068	5.57E-07	decreasing	0
STX1B	Adrenal	1.08E-11	0.000691	3.97E-07	increasing	0
SUCLA2	Adrenal	1.01E-07	-0.00064	3.90E-06	decreasing	0
SUGP2	Adrenal	1.90E-09	0.000179	0.234527	other	0
SUN1	Adrenal	1.77E-08	0.000373	0.011964	other	0
SUPV3L1	Adrenal	4.75E-09	-0.00061	1.25E-05	decreasing	0
SYN2	Adrenal	5.88E-09	0.000549	6.07E-05	increasing	0
SYN3	Adrenal	3.10E-08	0.000499	0.00056	other	0
SYT9	Adrenal	1.31E-08	0.000562	6.15E-05	increasing	0
SZT2	Adrenal	9.08E-09	0.000321	0.030608	other	0
TACC2	Adrenal	1.33E-07	0.000353	0.014889	other	0
TACC3	Adrenal	5.92E-12	-0.00085	2.66E-11	decreasing	0
TAF9B	Adrenal	1.19E-07	0.000706	1.56E-07	increasing	0
TBC1D22A	Adrenal	3.21E-07	-0.00073	3.86E-08	decreasing	0
TECRL	Adrenal	1.68E-19	-0.00034	0.000808	other	0
TEFM	Adrenal	7.09E-10	-0.00067	9.70E-07	decreasing	0
TEP1	Adrenal	1.42E-11	0.000425	0.003349	other	0
TFG	Adrenal	9.34E-08	-0.00038	0.010134	other	0
TGM3	Adrenal	4.03E-07	-0.00071	1.58E-07	decreasing	1
TIAF1	Adrenal	2.00E-12	0.000413	0.003523	other	0
TICRR	Adrenal	1.35E-07	-0.00057	5.50E-05	decreasing	0
TIFA	Adrenal	4.43E-08	-0.00065	9.89E-07	decreasing	0
TIMM17B	Adrenal	1.33E-07	-0.00072	5.60E-08	decreasing	0
TIMM50	Adrenal	2.93E-06	-0.00075	2.22E-08	decreasing	0
TIMM8B	Adrenal	7.49E-09	-0.00061	9.33E-06	decreasing	0
TK1	Adrenal	4.58E-10	-0.00074	2.99E-08	decreasing	0
TKT	Adrenal	7.18E-09	-0.00064	5.70E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TMEM117	Adrenal	1.12E-07	-0.00055	6.89E-05	decreasing	0
TMEM132E	Adrenal	2.82E-10	-0.00077	5.57E-09	decreasing	0
TMEM179	Adrenal	7.69E-09	0.000582	3.55E-05	increasing	0
TMEM189	Adrenal	4.77E-10	-0.00072	1.00E-07	decreasing	0
TMEM246	Adrenal	4.68E-09	0.000666	8.84E-07	increasing	0
TMEM51	Adrenal	1.72E-07	-0.00064	3.41E-06	decreasing	1
TMEM86B	Adrenal	2.50E-08	0.000368	0.013536	other	0
TMOD1	Adrenal	8.76E-12	0.000734	2.09E-08	increasing	0
TNFRSF10B	Adrenal	1.70E-07	0.000519	0.00025	other	0
TNFSF10	Adrenal	7.40E-08	7.00E-05	0.639389	other	0
TNK2	Adrenal	1.97E-09	0.000488	0.000457	other	0
TNNI1	Adrenal	2.76E-06	-0.00071	1.95E-07	decreasing	1
TNRC6C	Adrenal	5.79E-10	0.000751	1.68E-08	increasing	0
TOP2A	Adrenal	7.55E-12	-0.00081	2.14E-10	decreasing	0
TPM2	Adrenal	4.59E-06	-0.00074	3.76E-08	decreasing	1
TPX2	Adrenal	1.37E-15	-0.00085	9.19E-12	decreasing	0
TRIM3	Adrenal	2.20E-07	0.000612	5.15E-06	increasing	0
TRIM72	Adrenal	2.77E-08	0.000174	0.24335	other	0
TROAP	Adrenal	2.97E-08	-0.00074	3.46E-08	decreasing	0
TRPC1	Adrenal	6.82E-09	0.000727	6.80E-08	increasing	0
TRPC4	Adrenal	6.14E-08	-0.00019	0.196869	other	0
TRUB2	Adrenal	1.92E-08	-0.00072	7.77E-08	decreasing	0
TSNARE1	Adrenal	2.18E-10	0.000351	0.016891	other	0
TSPAN13	Adrenal	3.56E-08	-0.00061	4.84E-06	decreasing	0
TSPAN9	Adrenal	7.21E-07	-0.00069	2.53E-07	decreasing	0
TSPYL2	Adrenal	5.80E-08	0.000443	0.00188	other	0
TSPYL4	Adrenal	2.43E-07	0.000528	0.000268	other	0
TSTA3	Adrenal	1.91E-08	-0.00075	1.03E-08	decreasing	0
TTC21A	Adrenal	1.24E-07	0.000426	0.003982	other	0
TTC22	Adrenal	1.21E-09	0.000761	6.13E-09	increasing	0
TTK	Adrenal	1.97E-10	-0.00078	1.28E-09	decreasing	0
TTPAL	Adrenal	2.26E-07	0.000632	6.19E-06	increasing	0
TUFT1	Adrenal	1.11E-07	0.000514	0.000271	other	0
TXNL1	Adrenal	1.98E-08	-0.00046	0.001404	other	0
TYMS	Adrenal	4.87E-10	-0.00068	5.51E-07	decreasing	0
UBE2C	Adrenal	1.47E-08	-0.00074	4.18E-08	decreasing	0
UBE2G1	Adrenal	1.49E-07	-0.00038	0.008516	other	0
UBE2L3	Adrenal	2.96E-08	-0.00052	0.000313	other	0
UBE2M	Adrenal	1.12E-07	-0.0005	0.000616	other	0
UBE2R2	Adrenal	9.78E-08	1.41E-05	0.924404	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
UBE2T	Adrenal	2.78E-11	-0.00086	1.14E-11	decreasing	0
UBE2V1	Adrenal	3.23E-11	-0.00051	0.000489	other	0
UBFD1	Adrenal	2.16E-08	-0.00048	0.00062	other	0
UCMA	Adrenal	1.04E-06	-0.00071	1.84E-07	decreasing	0
URI1	Adrenal	7.59E-08	-0.00028	0.054907	other	0
USP15	Adrenal	3.27E-08	0.000417	0.004392	other	0
USP4	Adrenal	2.46E-08	-0.00047	0.001087	other	0
USP44	Adrenal	2.61E-09	0.000711	1.09E-07	increasing	0
USP54	Adrenal	1.93E-07	0.000483	0.000849	other	0
VAMP2	Adrenal	2.19E-08	0.000415	0.004077	other	0
VPS25	Adrenal	4.12E-08	-0.00074	2.84E-08	decreasing	0
VSIG8	Adrenal	3.09E-08	0.000304	0.044251	other	0
VWA9	Adrenal	9.73E-08	-0.0005	0.000426	other	0
WBSCR16	Adrenal	1.13E-06	-0.00073	4.66E-08	decreasing	0
WDR41	Adrenal	4.06E-08	-0.00039	0.008987	other	0
WDR55	Adrenal	1.48E-07	-0.00051	0.000423	other	0
WDR91	Adrenal	3.89E-10	0.000281	0.055101	other	0
WDR96	Adrenal	8.55E-09	0.000678	6.57E-07	increasing	0
WFIKKN1	Adrenal	2.19E-07	0.000536	0.000164	other	0
WISP2	Adrenal	2.35E-08	0.000514	0.000244	other	0
WNK2	Adrenal	6.84E-12	0.000356	0.014466	other	0
XPO6	Adrenal	1.73E-07	-0.00057	5.24E-05	decreasing	0
YBX3	Adrenal	1.76E-07	-0.0003	0.038707	other	0
ZBTB4	Adrenal	5.58E-08	0.000379	0.009604	other	0
ZBTB7C	Adrenal	6.42E-10	-1.02E-05	0.946014	other	0
ZC2HC1A	Adrenal	5.01E-06	0.000745	3.06E-08	increasing	0
ZDHHC15	Adrenal	1.09E-09	0.000727	4.40E-08	increasing	0
ZMAT1	Adrenal	4.10E-08	0.000674	8.42E-07	increasing	0
ZMYM6NB	Adrenal	3.92E-08	-0.00068	5.11E-07	decreasing	0
ZNF483	Adrenal	1.47E-07	0.000689	4.77E-07	increasing	0
ZNF536	Adrenal	9.64E-08	-0.00052	0.000151	other	0
ZNF540	Adrenal	2.47E-10	0.000781	1.09E-09	increasing	0
ZSCAN18	Adrenal	3.67E-08	-9.67E-06	0.948116	other	0
ZSWIM8	Adrenal	3.11E-08	0.000172	0.25077	other	0
ZWINT	Adrenal	3.36E-10	-0.00081	2.31E-10	decreasing	0
AAAS	BA46	2.17E-08	0.000673	4.21E-07	increasing	0
AATK	BA46	3.93E-08	0.000766	6.18E-09	increasing	0
ABCA8	BA46	1.04E-11	0.000821	4.41E-11	increasing	0
ABCC3	BA46	1.92E-10	-0.00061	1.18E-05	decreasing	0
ABCC8	BA46	1.08E-16	0.000883	5.22E-13	increasing	0

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ABCC9	BA46	2.28E-08	-0.0007	2.81E-07	decreasing	0
ABCG1	BA46	5.59E-09	0.000801	1.38E-10	increasing	0
ABHD17C	BA46	2.16E-07	-0.00066	1.70E-06	decreasing	0
ABHD2	BA46	1.65E-07	-0.00066	1.90E-06	decreasing	0
ABHD5	BA46	4.00E-10	-0.00077	4.69E-09	decreasing	0
ABI3BP	BA46	5.16E-09	-0.00049	0.000746	other	0
ABLIM2	BA46	2.69E-12	0.000798	3.59E-10	increasing	0
ABTB1	BA46	7.53E-08	0.00074	2.92E-08	increasing	1
ACAD10	BA46	2.33E-07	0.000714	4.76E-08	increasing	0
ACHE	BA46	1.29E-06	0.000749	2.01E-08	increasing	0
ACOT11	BA46	2.71E-08	0.000536	0.000145	other	1
ACSL6	BA46	1.53E-07	-0.00039	0.006589	other	0
ACTN1	BA46	3.00E-08	0.000142	0.341383	other	0
ACVR1	BA46	1.40E-05	-0.00073	7.41E-08	decreasing	0
ACVR2A	BA46	1.13E-10	-0.00075	7.37E-09	decreasing	0
ADAM19	BA46	6.18E-11	-0.00083	3.74E-11	decreasing	0
ADAM32	BA46	2.62E-13	0.000822	9.26E-11	increasing	0
ADAM33	BA46	9.12E-09	0.000643	3.29E-06	increasing	0
ADAMTS15	BA46	1.06E-11	-0.00084	1.72E-11	decreasing	0
ADAMTS17	BA46	3.82E-06	-0.00072	1.12E-07	decreasing	0
ADAMTS18	BA46	6.93E-06	-0.00073	6.38E-08	decreasing	0
ADAMTS9	BA46	1.72E-13	-0.00083	2.55E-11	decreasing	0
ADAMTSL2	BA46	3.62E-11	-0.00076	2.23E-09	decreasing	0
ADARB1	BA46	2.42E-07	-0.00014	0.356524	other	0
ADCK3	BA46	6.73E-10	0.000799	7.70E-11	increasing	0
ADCY2	BA46	1.15E-07	-0.00013	0.397717	other	0
ADCY7	BA46	2.35E-07	-0.00069	3.52E-07	decreasing	0
ADCY9	BA46	3.33E-09	0.00066	8.06E-07	increasing	0
ADD1	BA46	6.94E-08	0.000465	0.001199	other	0
ADORA1	BA46	3.37E-10	0.000592	2.63E-05	increasing	1
ADPRHL1	BA46	1.96E-10	0.00017	0.242943	other	0
ADRA1B	BA46	7.46E-11	0.000104	0.484593	other	0
ADRA1D	BA46	1.55E-09	-0.00015	0.296781	other	0
AEBP2	BA46	1.38E-08	0.000678	2.06E-07	increasing	0
AFF2	BA46	1.33E-09	-0.0008	4.56E-10	decreasing	0
AGA	BA46	2.40E-08	0.000159	0.290492	other	0
AGPAT9	BA46	1.71E-09	0.000624	4.14E-06	increasing	0
AGRN	BA46	1.29E-10	-0.00082	4.15E-11	decreasing	0
AGTPBP1	BA46	6.99E-08	-0.00062	6.31E-06	decreasing	0
AHCYL1	BA46	1.03E-07	0.000648	1.70E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
AHI1	BA46	1.60E-08	0.000704	1.05E-07	increasing	0
AIRE	BA46	6.36E-16	0.000864	4.89E-13	increasing	0
AK5	BA46	9.54E-11	0.000597	1.24E-05	increasing	0
AKAP12	BA46	2.35E-17	0.000829	1.43E-11	increasing	0
AKAP7	BA46	1.90E-08	-0.0005	0.000387	other	0
AKTIP	BA46	1.08E-07	0.000392	0.00633	other	0
ALCAM	BA46	2.33E-09	-0.00066	1.19E-06	decreasing	0
ALDH1A1	BA46	3.66E-09	-0.00053	0.000171	other	0
ALDOA	BA46	2.31E-11	0.000779	7.33E-10	increasing	0
ALDOC	BA46	1.79E-07	0.000662	7.14E-07	increasing	0
ALKBH5	BA46	1.18E-07	0.000685	2.86E-07	increasing	0
ALOX15B	BA46	5.96E-10	-0.00023	0.017473	other	0
ANGEL1	BA46	3.85E-10	0.000843	4.20E-11	increasing	0
ANKH	BA46	3.42E-09	0.000734	1.45E-08	increasing	0
ANKMY2	BA46	5.07E-07	0.000728	8.27E-08	increasing	0
ANKRD12	BA46	7.49E-08	0.000392	0.006366	other	0
ANKRD2	BA46	8.25E-07	0.000676	2.35E-07	increasing	0
ANKRD32	BA46	6.32E-06	0.000696	1.91E-07	increasing	0
ANKRD35	BA46	1.77E-09	0.000765	5.73E-09	increasing	1
ANKRD42	BA46	7.10E-12	0.000789	5.02E-10	increasing	1
ANKRD50	BA46	2.12E-08	-0.0006	8.37E-06	decreasing	0
ANKRD63	BA46	1.60E-15	0.000652	7.81E-07	increasing	0
ANKZF1	BA46	4.06E-05	0.000717	1.09E-07	increasing	0
ANLN	BA46	3.69E-12	0.000801	4.51E-10	increasing	0
ANTXR1	BA46	1.27E-07	-0.00067	6.49E-07	decreasing	0
ANXA11	BA46	3.72E-11	0.000713	2.96E-08	increasing	1
ANXA4	BA46	2.57E-05	0.000707	2.47E-07	increasing	0
ANXA7	BA46	9.83E-07	0.000746	9.09E-09	increasing	0
AP4B1	BA46	9.96E-06	0.000711	1.90E-07	increasing	1
APC	BA46	2.30E-20	-0.00092	1.11E-14	decreasing	0
APLN	BA46	4.37E-07	-0.00074	4.59E-08	decreasing	0
AQP11	BA46	1.51E-09	0.000668	5.38E-07	increasing	0
ARC	BA46	5.44E-11	-0.00076	6.91E-09	decreasing	0
ARFGAP2	BA46	5.31E-08	0.000137	0.349208	other	0
ARHGAP10	BA46	4.73E-09	-0.00063	6.10E-06	decreasing	0
ARHGAP15	BA46	5.82E-08	-0.00051	0.00038	other	0
ARHGAP18	BA46	9.85E-09	-0.00048	0.000696	other	0
ARHGAP20	BA46	2.69E-08	-0.00079	2.49E-09	decreasing	0
ARHGAP26	BA46	3.46E-09	0.000657	1.44E-06	increasing	0
ARHGAP4	BA46	2.40E-07	7.36E-05	0.625121	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ARHGAP9	BA46	2.76E-08	0.000745	1.20E-08	increasing	0
ARHGEF17	BA46	2.40E-12	0.000841	2.54E-11	increasing	0
ARHGEF18	BA46	1.12E-07	-0.00069	2.68E-07	decreasing	1
ARHGEF2	BA46	9.55E-11	-0.00077	1.61E-09	decreasing	0
ARHGEF25	BA46	1.66E-07	0.000717	5.30E-08	increasing	0
ARHGEF37	BA46	2.09E-07	0.00072	1.11E-07	increasing	0
ARID5B	BA46	8.90E-07	0.000701	1.99E-07	increasing	0
ARL2	BA46	3.93E-09	0.000629	7.55E-06	increasing	0
ARL4D	BA46	4.81E-09	-0.00065	1.98E-06	decreasing	0
ARMC5	BA46	8.02E-08	0.000669	1.47E-06	increasing	0
ARMC6	BA46	8.16E-08	-0.00043	0.002807	other	0
ARPP21	BA46	1.15E-15	-0.00087	3.44E-13	decreasing	0
ARRDC3	BA46	1.13E-07	0.000239	0.106983	other	0
ARRDC4	BA46	4.77E-10	-0.00071	4.02E-08	decreasing	0
ASAP1	BA46	6.46E-12	-0.00076	1.25E-08	decreasing	0
ASAP2	BA46	3.71E-11	-0.00084	2.89E-11	decreasing	0
ASB2	BA46	7.66E-13	0.000813	5.17E-11	increasing	0
ASIC2	BA46	3.08E-12	-0.00083	7.94E-12	decreasing	0
ASTN1	BA46	7.48E-09	-0.0007	1.12E-07	decreasing	0
ASTN2	BA46	1.93E-06	-0.00071	1.20E-07	decreasing	0
ASXL3	BA46	3.47E-09	-0.00072	4.22E-08	decreasing	0
ATF7IP	BA46	6.45E-12	-0.00068	5.24E-07	decreasing	0
ATG13	BA46	1.10E-13	0.00081	1.02E-10	increasing	0
ATG9B	BA46	2.08E-10	0.000838	6.78E-11	increasing	0
ATP11C	BA46	4.49E-10	-0.00058	1.71E-05	decreasing	0
ATP1A4	BA46	5.35E-08	0.000691	2.07E-07	increasing	0
ATP2B2	BA46	2.32E-07	-0.00061	1.62E-05	decreasing	0
ATP2B3	BA46	9.20E-16	0.000869	5.58E-13	increasing	0
ATP4A	BA46	3.24E-10	0.000326	0.025758	other	1
ATP6V0B	BA46	1.67E-08	-0.00055	9.62E-05	decreasing	0
ATP6V1B2	BA46	2.92E-08	0.000768	3.77E-09	increasing	0
ATP8A1	BA46	5.33E-09	0.000758	1.42E-08	increasing	0
ATP9B	BA46	1.81E-08	0.000627	3.58E-06	increasing	0
ATPAF1	BA46	1.82E-08	0.000737	1.61E-08	increasing	0
ATRNL1	BA46	1.06E-09	0.000512	0.000258	other	0
B3GAT1	BA46	3.72E-08	-0.00069	6.01E-07	decreasing	0
B4GALNT3	BA46	2.78E-08	0.00061	1.36E-05	increasing	0
B4GALT2	BA46	1.15E-16	-0.00089	3.79E-13	decreasing	0
BACE2	BA46	7.44E-10	-0.00077	7.41E-09	decreasing	0
BAG5	BA46	3.62E-06	0.000686	2.10E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
BAIAP3	BA46	1.37E-13	0.000836	2.86E-12	increasing	0
BAMBI	BA46	2.03E-07	-0.00055	8.52E-05	decreasing	0
BAZ1B	BA46	1.15E-07	0.000679	1.98E-07	increasing	0
BBX	BA46	3.28E-10	0.000813	8.20E-11	increasing	0
BCAN	BA46	3.97E-12	-0.00083	1.86E-11	decreasing	0
BCAP31	BA46	4.30E-09	0.000746	3.70E-09	increasing	0
BDKRB1	BA46	2.62E-13	0.000815	2.25E-10	increasing	0
BDKRB2	BA46	5.02E-11	0.000752	4.44E-09	increasing	0
BEGAIN	BA46	1.28E-07	-0.00055	0.000128	other	0
BHLHE22	BA46	5.06E-09	-0.00065	1.02E-06	decreasing	0
BHLHE41	BA46	7.03E-11	0.000696	8.02E-08	increasing	0
BHMT2	BA46	2.51E-08	0.000207	0.16288	other	1
BICD1	BA46	8.61E-11	-0.00075	2.18E-08	decreasing	0
BIN2	BA46	1.15E-06	-0.00072	8.83E-08	decreasing	0
BLCAP	BA46	7.27E-08	0.000516	0.000377	other	0
BLVRA	BA46	3.85E-15	0.000832	4.08E-12	increasing	0
BMP2K	BA46	1.44E-07	-0.00047	0.000981	other	0
BMP4	BA46	9.45E-06	0.000716	1.50E-07	increasing	0
BRD8	BA46	7.41E-08	0.000738	4.18E-08	increasing	0
BRINP1	BA46	4.35E-08	-0.0007	2.97E-07	decreasing	0
BRINP2	BA46	4.06E-13	-0.00081	1.64E-10	decreasing	1
BRINP3	BA46	1.02E-15	-0.00087	1.40E-12	decreasing	0
BTBD17	BA46	1.17E-10	-0.00083	5.70E-11	decreasing	0
BTBD3	BA46	2.40E-08	0.000605	9.23E-06	increasing	0
BTG3	BA46	4.57E-11	-0.00071	8.62E-08	decreasing	0
BTNL8	BA46	1.38E-07	0.000668	1.01E-06	increasing	0
C11H12orf29	BA46	8.23E-07	0.000741	5.25E-09	increasing	0
C11H12orf49	BA46	2.30E-07	-0.00073	4.81E-08	decreasing	0
C11H12orf5	BA46	2.94E-08	-0.00024	0.110995	other	0
C12H9orf16	BA46	3.46E-08	-0.0007	2.25E-07	decreasing	0
C12H9orf41	BA46	1.79E-06	-0.00073	7.40E-08	decreasing	0
C12H9orf91	BA46	6.41E-09	0.000812	4.65E-10	increasing	0
C14H2orf91	BA46	3.47E-08	-5.25E-05	0.728454	other	1
C15H3orf70	BA46	6.48E-07	-0.00072	9.52E-08	decreasing	0
C15H3orf80	BA46	2.48E-07	0.00063	3.19E-06	increasing	0
C16H17orf58	BA46	1.42E-08	-0.0007	1.34E-07	decreasing	0
C17H6orf106	BA46	6.32E-08	-0.00012	0.432127	other	0
C17H6orf141	BA46	1.64E-08	-0.00019	0.210495	other	0
C18H18orf54	BA46	1.64E-08	-0.0006	1.08E-05	decreasing	0
C19H22orf24	BA46	4.29E-07	0.000709	1.47E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
C1H11orf24	BA46	1.97E-11	-0.00085	1.02E-11	decreasing	0
C1QTNF1	BA46	8.16E-16	-0.0009	1.54E-13	decreasing	0
C22H3orf56	BA46	2.24E-12	-0.00081	2.36E-11	decreasing	0
C25H1orf106	BA46	1.65E-11	-0.00076	9.59E-09	decreasing	0
C25H1orf21	BA46	6.25E-08	-0.00061	1.01E-05	decreasing	0
C25H1orf95	BA46	8.04E-07	-0.00073	5.97E-08	decreasing	0
C27H4orf19	BA46	6.64E-06	-0.00076	1.50E-08	decreasing	0
C2CD2	BA46	4.83E-10	0.000764	1.04E-09	increasing	0
C2CD4C	BA46	2.69E-08	0.000802	8.39E-10	increasing	0
C8H8orf34	BA46	2.13E-21	-0.00089	5.37E-15	decreasing	0
C8H8orf88	BA46	2.44E-07	0.000763	1.03E-08	increasing	0
C9H10orf11	BA46	1.20E-10	0.00065	1.24E-06	increasing	0
C9H10orf90	BA46	2.82E-10	0.000824	1.16E-10	increasing	0
CA11	BA46	2.03E-08	-0.00022	0.134082	other	0
CABP1	BA46	2.36E-15	0.000861	7.03E-13	increasing	0
CACNA1G	BA46	1.92E-06	-0.00076	4.73E-09	decreasing	0
CACNA1S	BA46	1.31E-12	-0.00079	2.47E-10	decreasing	0
CACNG4	BA46	4.46E-13	-0.00085	2.48E-12	decreasing	0
CADM1	BA46	1.41E-10	-0.00077	2.13E-09	decreasing	0
CALCOCO1	BA46	3.76E-14	0.00085	1.97E-12	increasing	0
CALM1	BA46	3.76E-06	-0.00071	1.68E-07	decreasing	0
CALN1	BA46	3.65E-08	-0.0006	1.18E-05	decreasing	0
CALU	BA46	4.19E-06	-0.00073	6.78E-08	decreasing	0
CAMK2B	BA46	4.30E-08	-0.00064	1.99E-06	decreasing	0
CAMK2G	BA46	1.27E-11	0.0008	1.45E-10	increasing	0
CAMK2N1	BA46	1.03E-12	-0.00054	0.000155	other	0
CAMKK1	BA46	1.70E-21	0.000914	3.65E-15	increasing	0
CAMSAP1	BA46	9.36E-08	-0.00064	2.38E-06	decreasing	0
CAP1	BA46	1.22E-09	-0.00074	4.95E-08	decreasing	0
CAPN14	BA46	1.59E-05	-0.0007	2.16E-07	decreasing	1
CAPS2	BA46	4.62E-15	0.000859	1.43E-12	increasing	0
CARNS1	BA46	2.65E-12	0.000817	7.93E-11	increasing	0
CARTPT	BA46	1.71E-07	-0.0002	0.173192	other	0
CASC3	BA46	3.93E-07	0.000767	8.05E-09	increasing	0
CASK	BA46	1.46E-13	-0.00083	3.57E-11	decreasing	0
CAST	BA46	1.35E-07	0.000744	7.60E-09	increasing	0
CBLN1	BA46	2.02E-08	-0.00077	4.36E-09	decreasing	0
CBR1	BA46	3.55E-08	0.000726	1.35E-08	increasing	0
CBX7	BA46	2.93E-17	0.000873	2.07E-13	increasing	0
CBX8	BA46	4.56E-16	-0.00089	1.08E-13	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CCDC136	BA46	5.57E-09	0.000693	3.20E-07	increasing	0
CCDC147	BA46	1.30E-07	0.000417	0.003524	other	0
CCDC15	BA46	2.94E-07	-0.00074	2.01E-08	decreasing	0
CCDC181	BA46	1.04E-07	0.000772	4.78E-09	increasing	1
CCDC28A	BA46	1.97E-13	0.000865	4.19E-12	increasing	0
CCDC37	BA46	1.51E-09	-0.00056	4.38E-05	decreasing	0
CCDC47	BA46	4.56E-09	0.000725	5.11E-08	increasing	0
CCDC50	BA46	3.64E-12	-0.00074	1.20E-08	decreasing	0
CCDC64	BA46	1.87E-09	-0.00079	3.20E-10	decreasing	0
CCDC69	BA46	1.42E-07	0.000588	2.07E-05	increasing	0
CCDC71L	BA46	2.49E-08	1.92E-05	0.898181	other	0
CCDC80	BA46	7.30E-06	-0.00071	1.93E-07	decreasing	0
CCDC81	BA46	9.82E-12	-0.00074	9.91E-09	decreasing	0
CCDC85A	BA46	1.93E-08	-0.0007	1.26E-07	decreasing	0
CCDC85C	BA46	1.06E-08	-0.00079	1.71E-09	decreasing	0
CCDC88B	BA46	3.44E-09	0.000506	0.000256	other	0
CCDC92	BA46	7.64E-11	0.000794	5.91E-10	increasing	0
CCHCR1	BA46	4.23E-07	0.000744	2.69E-08	increasing	0
CCK	BA46	1.69E-09	0.000568	5.92E-05	increasing	0
CCND2	BA46	1.23E-09	-0.0002	0.168824	other	0
CD24	BA46	3.02E-12	-0.00076	2.30E-09	decreasing	0
CD276	BA46	2.73E-05	-0.0007	5.32E-08	decreasing	0
CD36	BA46	5.00E-09	-0.00067	7.19E-07	decreasing	0
CD53	BA46	3.44E-13	0.000588	1.35E-05	increasing	0
CD96	BA46	1.54E-10	-0.00077	8.64E-10	decreasing	0
CDC14B	BA46	8.74E-08	0.000553	8.61E-05	increasing	0
CDC42	BA46	5.49E-08	-0.00054	0.000156	other	0
CDC42BPB	BA46	5.93E-09	-0.0008	5.06E-10	decreasing	0
CDCA7L	BA46	9.76E-08	-0.00047	0.000891	other	0
CDH10	BA46	3.13E-09	-0.00073	2.28E-08	decreasing	0
CDH11	BA46	4.28E-17	-0.00086	1.89E-13	decreasing	0
CDH13	BA46	4.29E-11	-0.00075	7.85E-09	decreasing	0
CDH26	BA46	5.99E-08	0.000551	5.57E-05	increasing	1
CDH3	BA46	4.52E-09	-0.00079	1.50E-09	decreasing	0
CDH6	BA46	1.74E-13	-0.00081	1.26E-10	decreasing	0
CDIP1	BA46	1.34E-11	0.000744	1.28E-08	increasing	0
CDK14	BA46	4.22E-15	0.000818	3.57E-11	increasing	0
CDK18	BA46	2.76E-11	0.000768	4.35E-09	increasing	0
CDK5R1	BA46	1.90E-07	-0.00059	1.79E-05	decreasing	0
CDK5R2	BA46	2.38E-09	-0.00081	2.01E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CDK6	BA46	2.23E-08	0.000698	1.95E-07	increasing	0
CDKL2	BA46	4.10E-08	-0.00067	7.59E-07	decreasing	0
CDKN1C	BA46	7.11E-09	0.000659	1.94E-06	increasing	0
CDR1	BA46	1.29E-10	0.000787	1.46E-09	increasing	0
CDYL	BA46	2.81E-13	0.000782	5.78E-10	increasing	0
CECR6	BA46	1.25E-10	-0.00082	1.21E-10	decreasing	0
CELF2	BA46	5.14E-07	-0.00076	5.65E-09	decreasing	0
CEND1	BA46	2.36E-10	0.000799	4.74E-10	increasing	0
CENPB	BA46	1.98E-07	-0.00074	3.19E-08	decreasing	0
CEP112	BA46	8.59E-08	0.000572	5.70E-05	increasing	0
CEP290	BA46	6.29E-06	0.000732	6.21E-08	increasing	0
CEP72	BA46	6.41E-14	-0.00083	1.81E-11	decreasing	0
CETP	BA46	2.24E-11	-0.00084	3.32E-11	decreasing	0
CHAF1B	BA46	2.25E-07	0.000696	3.43E-07	increasing	0
CHCHD7	BA46	5.32E-06	0.00069	1.07E-07	increasing	0
CHD3	BA46	2.43E-13	-0.00085	3.02E-12	decreasing	0
CHD6	BA46	1.13E-15	0.000867	3.68E-13	increasing	0
CHI3L1	BA46	3.32E-11	0.000704	1.26E-07	increasing	0
CHN2	BA46	5.21E-08	-0.00045	0.001806	other	0
CHRM2	BA46	3.50E-08	-0.00054	0.000104	other	0
CHRNA2	BA46	3.84E-06	-0.00075	2.15E-08	decreasing	0
CHRNA7	BA46	3.11E-08	0.0003	0.042543	other	0
CIRBP	BA46	1.30E-07	0.000103	0.495659	other	0
CISD3	BA46	1.97E-07	0.000425	0.003135	other	0
CIT	BA46	1.58E-08	0.00069	2.24E-07	increasing	0
CLASP2	BA46	2.74E-08	-0.00062	5.02E-06	decreasing	0
CLCN5	BA46	1.13E-06	0.000712	6.81E-08	increasing	0
CLDND1	BA46	2.82E-10	0.000833	3.39E-11	increasing	0
CLIC6	BA46	6.15E-08	3.43E-05	0.818838	other	0
CLK4	BA46	2.00E-07	-0.00065	2.82E-06	decreasing	0
CLMP	BA46	9.83E-08	-0.00015	0.322998	other	0
CLN6	BA46	9.61E-09	0.00077	1.35E-09	increasing	0
CLOCK	BA46	7.90E-08	-0.00079	2.35E-09	decreasing	0
CMYA5	BA46	2.40E-14	0.000812	2.61E-11	increasing	1
CNDP1	BA46	1.08E-15	0.00087	1.47E-12	increasing	0
CNP	BA46	6.28E-08	0.000697	1.21E-07	increasing	0
CNTN2	BA46	2.37E-15	0.00087	1.76E-12	increasing	0
CNTN3	BA46	1.45E-08	-0.00069	2.57E-07	decreasing	0
CNTNAP1	BA46	1.99E-07	0.00042	0.003574	other	0
CNTNAP5	BA46	1.55E-07	-0.00068	5.16E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
COBLL1	BA46	1.49E-07	-0.00069	5.52E-07	decreasing	0
COCH	BA46	1.61E-13	-0.00083	3.53E-11	decreasing	0
COG2	BA46	2.78E-08	0.000713	6.50E-08	increasing	0
COG5	BA46	6.67E-07	0.000747	8.97E-09	increasing	0
COL19A1	BA46	1.24E-08	-0.00032	0.031876	other	0
COL22A1	BA46	6.96E-06	-0.00071	1.15E-07	decreasing	0
COL23A1	BA46	1.06E-10	-0.00012	0.418085	other	0
COL26A1	BA46	2.14E-15	-0.00088	1.29E-13	decreasing	0
COL4A1	BA46	1.83E-15	-0.00084	4.36E-12	decreasing	0
COL4A2	BA46	1.98E-15	-0.00085	9.22E-13	decreasing	0
COL5A2	BA46	1.45E-12	-0.00085	2.06E-11	decreasing	0
COL5A3	BA46	2.57E-08	-0.00056	7.99E-05	decreasing	0
COL8A1	BA46	1.15E-07	0.000801	6.20E-10	increasing	0
COLQ	BA46	2.02E-11	0.000821	1.29E-10	increasing	1
COMMD2	BA46	1.89E-07	-0.0005	0.000455	other	0
COQ10A	BA46	7.08E-08	-0.00059	2.66E-05	decreasing	0
CPB1	BA46	2.17E-15	0.000841	1.21E-13	increasing	0
CPEB1	BA46	1.08E-17	0.000882	7.48E-14	increasing	0
CPEB3	BA46	3.52E-06	0.000713	1.53E-07	increasing	0
CPLX1	BA46	1.51E-09	0.000698	1.44E-07	increasing	0
CPNE6	BA46	2.32E-08	-0.00072	7.06E-08	decreasing	0
CREBRF	BA46	8.32E-18	0.000896	3.06E-14	increasing	0
CRH	BA46	3.25E-10	-0.00079	9.93E-10	decreasing	0
CRHBP	BA46	2.51E-07	-0.00062	7.47E-06	decreasing	0
CRISPLD1	BA46	1.99E-11	-0.00072	1.64E-08	decreasing	0
CRKL	BA46	2.39E-12	0.000821	2.85E-11	increasing	0
CRMP1	BA46	1.36E-12	-0.00078	5.52E-10	decreasing	0
CRTAC1	BA46	2.62E-09	-0.00077	3.97E-09	decreasing	0
CRYAB	BA46	1.58E-11	0.000775	9.40E-10	increasing	0
CRYL1	BA46	5.90E-08	0.000578	3.07E-05	increasing	0
CSDC2	BA46	3.64E-12	-0.00081	2.49E-10	decreasing	0
CSF1R	BA46	3.18E-07	-0.00074	3.74E-08	decreasing	0
CSMD2	BA46	9.91E-18	-0.00086	3.84E-13	decreasing	0
CSPG5	BA46	6.29E-10	-0.00079	6.53E-10	decreasing	0
CSRNP3	BA46	1.86E-08	1.11E-05	0.941096	other	0
CSRP2	BA46	8.39E-09	-0.00066	8.16E-07	decreasing	0
CST6	BA46	4.67E-08	0.000765	9.91E-10	increasing	0
CTDSPL2	BA46	3.50E-08	3.40E-05	0.822225	other	0
CTIF	BA46	5.31E-08	0.000675	6.29E-07	increasing	0
CTNNA2	BA46	1.74E-10	-0.00076	6.35E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CTNNA3	BA46	9.41E-12	0.000815	1.95E-11	increasing	0
CTNNBIP1	BA46	2.39E-11	-0.00083	4.33E-11	decreasing	0
CTSB	BA46	1.21E-07	-0.00064	3.92E-06	decreasing	0
CTSV	BA46	7.07E-06	-0.00068	2.54E-07	decreasing	0
CTXN2	BA46	4.72E-09	0.000744	7.65E-09	increasing	0
CTXN3	BA46	2.94E-09	0.00046	0.001537	other	0
CUX2	BA46	6.41E-06	-0.00071	1.19E-07	decreasing	0
CWF19L2	BA46	5.28E-14	0.000874	6.79E-13	increasing	0
CX3CL1	BA46	3.13E-12	-0.00084	4.75E-11	decreasing	0
CX3CR1	BA46	1.38E-06	-0.00073	7.85E-08	decreasing	0
CXADR	BA46	1.03E-12	-0.00079	6.17E-10	decreasing	0
CXCL12	BA46	8.86E-14	-0.00085	2.07E-11	decreasing	0
CXCL14	BA46	1.57E-07	-0.00071	9.01E-08	decreasing	0
CYFIP1	BA46	8.04E-13	-0.0008	8.79E-11	decreasing	1
CYGB	BA46	7.57E-10	0.000752	1.05E-08	increasing	0
CYTH3	BA46	7.09E-11	-0.00069	2.43E-07	decreasing	0
CYTH4	BA46	9.42E-08	-0.00075	1.39E-08	decreasing	0
DAAM1	BA46	1.22E-07	-0.00057	3.55E-05	decreasing	0
DAB1	BA46	7.02E-10	-0.00082	9.15E-11	decreasing	0
DAB2IP	BA46	7.57E-08	-0.00076	1.05E-08	decreasing	0
DACT2	BA46	8.18E-12	0.000751	8.17E-09	increasing	1
DACT3	BA46	1.91E-07	-0.00072	8.56E-08	decreasing	0
DAGLB	BA46	7.37E-12	0.000839	9.55E-12	increasing	0
DCAF7	BA46	8.27E-08	-0.00079	1.88E-09	decreasing	0
DCAF8	BA46	7.52E-09	0.000779	1.02E-09	increasing	0
DCLK1	BA46	1.96E-10	-0.00072	7.03E-08	decreasing	0
DCLK3	BA46	7.26E-12	-0.00077	2.92E-09	decreasing	0
DCUN1D5	BA46	3.36E-08	-0.00063	5.57E-06	decreasing	0
DCX	BA46	6.97E-08	-0.00051	0.000235	other	0
DDN	BA46	2.69E-09	-0.00046	0.001313	other	0
DDOST	BA46	9.54E-08	-0.0001	0.493878	other	0
DDRGK1	BA46	9.18E-10	0.000249	0.093878	other	0
DDX21	BA46	3.38E-08	-0.00066	9.87E-07	decreasing	0
DDX24	BA46	3.31E-09	0.000786	1.19E-09	increasing	0
DEPDC5	BA46	1.33E-10	0.000804	4.74E-10	increasing	0
DESI1	BA46	2.31E-07	-0.00073	5.75E-08	decreasing	0
DFNA5	BA46	2.61E-06	-0.00069	8.92E-08	decreasing	0
DGCR2	BA46	2.07E-06	0.000713	1.26E-07	increasing	0
DGKA	BA46	2.76E-13	0.000849	7.42E-12	increasing	0
DGKB	BA46	1.19E-12	0.000259	0.076945	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DGKD	BA46	4.07E-19	-0.00084	1.56E-12	decreasing	0
DGKI	BA46	8.64E-09	-8.47E-06	0.955536	other	0
DGKZ	BA46	1.66E-08	-0.00032	0.026718	other	0
DHDH	BA46	2.84E-08	0.00075	2.75E-09	increasing	0
DHRS7C	BA46	3.11E-06	0.000761	1.25E-08	increasing	0
DIO2	BA46	2.48E-16	-0.00091	8.68E-14	decreasing	0
DKK3	BA46	1.54E-09	0.000812	4.75E-10	increasing	0
DLG2	BA46	1.47E-12	-0.00086	6.66E-12	decreasing	0
DMD	BA46	3.46E-08	-9.26E-05	0.535304	other	0
DMKN	BA46	4.10E-09	0.000737	5.77E-09	increasing	0
DNAH11	BA46	2.23E-08	-0.00065	1.13E-06	decreasing	0
DNAJA4	BA46	1.89E-10	0.000837	7.39E-11	increasing	0
DNAJB5	BA46	1.29E-13	-0.00086	6.33E-13	decreasing	0
DNAJC21	BA46	3.54E-09	0.000662	1.04E-06	increasing	0
DNAL1	BA46	4.71E-12	-0.00085	1.05E-11	decreasing	0
DNER	BA46	6.91E-10	-0.00057	4.49E-05	decreasing	0
DNM1	BA46	9.77E-09	0.00068	4.30E-07	increasing	0
DNM3	BA46	1.22E-06	0.000729	3.15E-08	increasing	0
DNMBP	BA46	1.03E-07	0.00056	4.01E-05	increasing	0
DOC2A	BA46	1.20E-08	0.000764	9.27E-09	increasing	0
DOCK5	BA46	3.34E-10	0.000776	8.67E-10	increasing	0
DOCK9	BA46	3.31E-17	-0.00086	2.69E-13	decreasing	0
DOK4	BA46	1.47E-09	-0.00067	3.87E-07	decreasing	0
DOK5	BA46	4.31E-12	-0.00077	1.17E-09	decreasing	0
DPF2	BA46	3.72E-06	0.000725	9.51E-08	increasing	0
DPYS	BA46	5.72E-10	0.000744	1.47E-08	increasing	0
DPYSL3	BA46	7.08E-19	-0.00089	3.74E-14	decreasing	0
DPYSL5	BA46	9.44E-16	-0.00087	4.52E-13	decreasing	0
DRAXIN	BA46	1.49E-07	-0.00051	0.000287	other	0
DRD2	BA46	3.12E-06	-0.00072	8.53E-08	decreasing	0
DSG3	BA46	5.81E-08	-0.00063	4.32E-06	decreasing	1
DSTYK	BA46	4.14E-07	0.000737	3.49E-08	increasing	0
DTNA	BA46	7.49E-08	-0.00045	0.001532	other	0
DTX4	BA46	1.86E-14	-0.00085	2.36E-12	decreasing	0
DUSP16	BA46	1.03E-09	0.000518	0.000175	other	0
DUSP18	BA46	3.44E-06	-0.00072	5.25E-08	decreasing	1
DUSP7	BA46	2.71E-06	-0.00074	3.31E-08	decreasing	0
DYRK2	BA46	8.61E-15	-0.00085	5.06E-12	decreasing	0
DYRK3	BA46	7.48E-13	-0.00082	5.04E-11	decreasing	0
EEF2	BA46	3.08E-07	-0.00078	3.26E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
EFHD2	BA46	2.53E-19	0.000901	1.72E-14	increasing	0
EFNA5	BA46	7.70E-06	-0.00072	1.22E-07	decreasing	0
EHD3	BA46	5.02E-10	0.000694	2.08E-07	increasing	0
EIF4A1	BA46	1.80E-07	-0.00035	0.015972	other	0
EIF4B	BA46	1.45E-08	0.000673	1.22E-06	increasing	0
ELK1	BA46	1.97E-08	0.000655	1.26E-06	increasing	0
ELMO1	BA46	9.13E-09	0.000493	0.00046	other	0
EMCN	BA46	1.12E-08	-0.00076	1.75E-08	decreasing	0
EMILIN3	BA46	8.54E-17	0.000875	3.03E-13	increasing	0
EML2	BA46	1.62E-07	0.000785	1.42E-09	increasing	0
EML4	BA46	1.87E-07	-0.00011	0.458111	other	0
EML6	BA46	1.19E-07	0.000217	0.139402	other	0
ENAH	BA46	5.04E-12	-0.00083	1.13E-10	decreasing	0
ENDOD1	BA46	1.13E-09	0.000806	2.43E-10	increasing	0
ENOX1	BA46	1.32E-12	-0.00077	1.68E-09	decreasing	0
ENPP2	BA46	5.88E-11	0.000804	1.10E-10	increasing	0
ENTPD3	BA46	6.62E-07	0.000757	1.43E-08	increasing	0
EPAS1	BA46	6.15E-09	-0.00055	6.82E-05	decreasing	0
EPB41	BA46	2.35E-13	0.00083	1.26E-11	increasing	0
EPB41L2	BA46	1.15E-10	-1.54E-05	0.917516	other	0
EPB41L4B	BA46	1.68E-07	0.000121	0.40714	other	0
EPDR1	BA46	1.51E-10	0.000675	3.74E-07	increasing	0
EPHA5	BA46	1.31E-13	-0.00085	7.28E-12	decreasing	0
EPHA6	BA46	1.43E-06	-0.00072	6.52E-08	decreasing	0
EPHB1	BA46	5.73E-06	-0.00071	1.82E-07	decreasing	0
EPHB2	BA46	2.46E-12	-0.00082	7.38E-11	decreasing	0
EPHB3	BA46	2.41E-07	-0.00076	1.40E-08	decreasing	0
EPHB6	BA46	1.41E-09	0.000738	2.45E-08	increasing	0
EPHX4	BA46	2.00E-07	0.000706	7.23E-08	increasing	0
EPM2A	BA46	6.41E-06	0.000735	2.91E-08	increasing	0
EPN2	BA46	1.69E-08	-0.00077	6.97E-09	decreasing	0
EPN3	BA46	1.10E-15	0.00088	5.64E-13	increasing	0
EPX	BA46	1.50E-07	0.000457	0.001925	other	0
ERGIC1	BA46	7.95E-13	-0.00087	2.36E-12	decreasing	0
ERMN	BA46	1.32E-13	0.00083	7.13E-12	increasing	0
ERMP1	BA46	5.59E-06	0.000686	2.19E-07	increasing	0
ESYT3	BA46	1.32E-12	0.0008	3.69E-10	increasing	0
ETNK2	BA46	5.07E-06	-0.00076	9.04E-09	decreasing	0
ETNPPL	BA46	2.98E-08	0.000531	0.00014	other	0
ETS1	BA46	2.21E-10	-0.00075	1.77E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ETS2	BA46	6.77E-15	0.000858	1.70E-12	increasing	0
ETV4	BA46	7.60E-09	-0.00079	2.14E-09	decreasing	0
EVL	BA46	6.54E-11	-0.00083	1.56E-11	decreasing	0
EXPH5	BA46	1.75E-09	-0.00043	0.00285	other	0
EXT1	BA46	1.23E-10	-0.00076	4.58E-09	decreasing	0
EXTL2	BA46	2.00E-07	0.00039	0.008039	other	0
EZH1	BA46	3.11E-17	0.000883	6.84E-14	increasing	0
EZR	BA46	5.23E-08	-0.00074	2.67E-08	decreasing	0
FABP3	BA46	3.72E-08	-0.00048	0.000793	other	0
FAIM3	BA46	6.81E-05	-0.00071	2.19E-07	decreasing	0
FAM102B	BA46	3.01E-13	-0.00083	2.63E-11	decreasing	0
FAM110B	BA46	5.01E-09	-0.00032	0.027889	other	0
FAM110C	BA46	2.32E-08	0.000651	1.74E-06	increasing	0
FAM115A	BA46	1.17E-08	0.000765	8.75E-09	increasing	0
FAM117A	BA46	2.35E-07	0.000591	2.39E-05	increasing	0
FAM131B	BA46	3.92E-09	0.000761	1.02E-08	increasing	0
FAM132A	BA46	2.10E-08	0.00058	3.99E-05	increasing	0
FAM133B	BA46	5.59E-06	0.000701	2.46E-07	increasing	0
FAM13A	BA46	6.60E-07	0.000735	3.61E-08	increasing	0
FAM155B	BA46	2.77E-08	-0.0008	6.56E-10	decreasing	0
FAM159B	BA46	2.24E-08	-0.00058	2.99E-05	decreasing	0
FAM171A1	BA46	3.30E-11	0.000847	3.16E-11	increasing	0
FAM172A	BA46	1.43E-07	-0.00064	4.75E-06	decreasing	0
FAM177A1	BA46	2.31E-07	-0.00065	3.25E-06	decreasing	0
FAM184A	BA46	2.89E-09	-0.0007	1.27E-07	decreasing	0
FAM189B	BA46	9.60E-06	0.000698	1.73E-07	increasing	0
FAM195B	BA46	2.46E-07	-0.00072	6.43E-08	decreasing	0
FAM196A	BA46	7.60E-08	-0.00028	0.055028	other	1
FAM19A1	BA46	7.42E-13	-0.0008	4.12E-10	decreasing	0
FAM207A	BA46	5.04E-08	0.000448	0.001777	other	0
FAM210B	BA46	2.36E-07	5.79E-05	0.692882	other	0
FAM212B	BA46	1.61E-07	-0.00064	5.74E-06	decreasing	0
FAM213A	BA46	1.07E-12	0.000789	6.62E-10	increasing	0
FAM53B	BA46	1.53E-08	0.00068	4.76E-07	increasing	0
FAM57B	BA46	2.32E-07	-0.00075	1.21E-08	decreasing	0
FAM65B	BA46	1.68E-14	-0.0008	1.39E-10	decreasing	0
FAM78A	BA46	7.03E-08	0.000296	0.045238	other	0
FAM81A	BA46	4.26E-10	0.000318	0.026962	other	0
FAM84B	BA46	3.29E-08	-0.00069	2.52E-07	decreasing	0
FARP1	BA46	1.94E-09	-0.00067	5.83E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FARP2	BA46	1.51E-10	-2.44E-05	0.869422	other	0
FAT4	BA46	9.61E-08	-0.00025	0.087362	other	0
FBLIM1	BA46	9.79E-08	-0.00065	1.50E-06	decreasing	1
FBXO10	BA46	2.50E-12	-0.00079	1.35E-09	decreasing	0
FBXO2	BA46	5.17E-09	0.000573	4.06E-05	increasing	1
FBXO21	BA46	3.00E-08	0.000689	5.81E-07	increasing	0
FBXO33	BA46	2.69E-09	0.000816	4.10E-11	increasing	0
FCN3	BA46	2.59E-10	0.000138	0.346092	other	0
FEM1C	BA46	3.61E-13	0.000797	3.77E-10	increasing	1
FERD3L	BA46	1.91E-13	0.000829	8.38E-11	increasing	0
FGD3	BA46	8.54E-14	-0.00081	6.69E-11	decreasing	0
FGD4	BA46	1.11E-08	-0.00067	6.34E-07	decreasing	0
FGF1	BA46	6.58E-09	0.000632	2.84E-06	increasing	0
FGF11	BA46	1.48E-13	-0.00086	3.32E-12	decreasing	0
FGF13	BA46	2.38E-10	-0.00084	6.88E-11	decreasing	0
FHL1	BA46	1.83E-08	0.000177	0.229503	other	0
FIBCD1	BA46	2.71E-08	-0.00033	0.02136	other	0
FJX1	BA46	4.09E-08	-0.00067	6.25E-07	decreasing	0
FKBP1B	BA46	1.38E-07	-0.00064	2.53E-06	decreasing	0
FLYWCH1	BA46	1.45E-08	0.00076	3.91E-09	increasing	0
FMNL1	BA46	1.40E-09	-0.00071	1.59E-07	decreasing	0
FNBP1L	BA46	8.47E-11	-0.00075	2.25E-09	decreasing	0
FNDC4	BA46	1.45E-11	0.000724	4.26E-08	increasing	0
FOSB	BA46	1.52E-09	0.000589	2.70E-05	increasing	0
FOXI3	BA46	4.17E-10	-0.00077	3.27E-10	decreasing	0
FOXO3	BA46	1.85E-08	0.000717	6.16E-08	increasing	0
FOXO6	BA46	1.15E-09	-0.00075	4.01E-09	decreasing	0
FOXP1	BA46	2.39E-07	-0.00046	0.001458	other	0
FREM3	BA46	2.98E-10	0.000147	0.31413	other	0
FRMD3	BA46	4.11E-11	-0.00061	8.91E-06	decreasing	0
FRMD4A	BA46	3.46E-10	-0.00079	4.10E-10	decreasing	0
FSTL5	BA46	1.01E-09	-0.0007	1.58E-07	decreasing	0
FUT8	BA46	7.33E-13	-0.00083	1.18E-11	decreasing	0
FZD7	BA46	5.52E-06	0.000696	1.27E-07	increasing	0
GAB1	BA46	1.48E-09	0.000786	6.63E-10	increasing	0
GABPB2	BA46	9.18E-08	0.000775	2.17E-09	increasing	0
GABRA2	BA46	9.19E-08	-0.00068	8.62E-07	decreasing	0
GABRA5	BA46	9.82E-13	-0.00079	7.95E-10	decreasing	0
GABRB1	BA46	1.05E-07	-0.0005	0.000456	other	0
GABRG2	BA46	3.76E-08	0.000749	2.04E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GAL3ST2	BA46	5.84E-07	0.000754	1.02E-08	increasing	0
GALNS	BA46	2.92E-08	0.000116	0.442777	other	0
GALNT13	BA46	5.22E-08	-0.00014	0.359876	other	0
GALNT14	BA46	6.58E-08	-0.00079	1.26E-09	decreasing	0
GALNT5	BA46	6.63E-10	0.000809	1.68E-10	increasing	0
GALNT9	BA46	1.07E-07	-0.00027	0.064127	other	0
GALT	BA46	1.42E-07	-0.0006	7.99E-06	decreasing	0
GAS2L3	BA46	6.42E-08	-0.00063	5.80E-06	decreasing	0
GATA4	BA46	1.15E-08	-0.00012	0.418909	other	0
GBGT1	BA46	2.34E-08	0.000663	1.10E-06	increasing	0
GCNT4	BA46	1.53E-08	0.000492	0.000389	other	0
GDAP2	BA46	4.46E-10	0.000688	2.97E-07	increasing	0
GDF10	BA46	5.47E-09	-0.0003	0.042336	other	0
GFOD1	BA46	4.33E-10	0.000788	5.51E-10	increasing	0
GFPT1	BA46	2.90E-08	-0.00062	7.38E-06	decreasing	0
GGNBP2	BA46	1.92E-07	0.000766	4.45E-09	increasing	0
GIGYF1	BA46	4.30E-06	0.000717	9.91E-08	increasing	0
GJA3	BA46	9.92E-09	-0.00041	0.004678	other	0
GJB1	BA46	1.33E-10	0.00075	5.08E-09	increasing	0
GJB5	BA46	1.45E-09	-4.80E-05	0.748395	other	0
GJC1	BA46	1.57E-09	-0.00067	3.68E-07	decreasing	0
GLCCI1	BA46	5.06E-06	0.000698	2.40E-07	increasing	0
GLDC	BA46	7.67E-08	-0.00047	0.0011	other	0
GLP2R	BA46	1.04E-18	0.00085	6.31E-12	increasing	0
GLS	BA46	2.23E-07	0.000611	8.41E-06	increasing	0
GLYR1	BA46	5.20E-08	-0.0005	0.000389	other	0
GMIP	BA46	1.45E-13	0.000861	5.22E-12	increasing	0
GNA14	BA46	4.03E-12	0.000699	1.07E-07	increasing	0
GNAQ	BA46	6.83E-09	-0.00072	3.33E-08	decreasing	0
GNAZ	BA46	3.37E-12	-0.00084	9.61E-12	decreasing	0
GNB4	BA46	2.17E-16	-0.00088	8.82E-14	decreasing	0
GNL1	BA46	5.46E-06	0.000705	1.68E-07	increasing	0
GNPTAB	BA46	4.17E-18	-0.0009	4.81E-14	decreasing	0
GOT1	BA46	2.13E-08	0.000755	9.00E-09	increasing	0
GP1BB	BA46	6.42E-09	-0.00082	1.70E-10	decreasing	0
GPC6	BA46	1.72E-07	-0.00038	0.008613	other	0
GPD1	BA46	3.14E-11	-0.00078	7.88E-10	decreasing	0
GPD2	BA46	2.83E-09	-0.00075	2.29E-08	decreasing	1
GPNMB	BA46	1.02E-07	0.000178	0.233707	other	0
GPR116	BA46	2.15E-08	-0.00077	8.40E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GPR12	BA46	2.14E-09	0.000222	0.125701	other	0
GPR155	BA46	1.74E-07	0.000738	1.55E-08	increasing	0
GPR161	BA46	3.95E-08	-0.00034	0.021873	other	0
GPR17	BA46	4.57E-07	-0.00075	2.28E-08	decreasing	0
GPR21	BA46	1.48E-12	-0.00075	7.03E-09	decreasing	0
GPR26	BA46	5.81E-13	-0.00085	2.16E-11	decreasing	0
GPR37	BA46	1.98E-07	0.000553	6.63E-05	increasing	0
GPR83	BA46	5.93E-14	0.000768	2.31E-09	increasing	0
GPR88	BA46	3.24E-09	0.000171	0.253034	other	0
GPRASP1	BA46	1.06E-10	0.000847	3.13E-11	increasing	0
GPRASP2	BA46	1.61E-07	0.000674	1.17E-06	increasing	0
GPRIN1	BA46	1.30E-07	-0.00057	3.77E-05	decreasing	0
GPX1	BA46	1.65E-06	0.000704	1.55E-07	increasing	0
GRAMD4	BA46	3.63E-11	-0.00079	1.30E-09	decreasing	0
GRAP2	BA46	5.09E-08	-0.00079	9.84E-10	decreasing	0
GREB1	BA46	4.48E-08	0.00013	0.378179	other	0
GREB1L	BA46	6.68E-07	0.00073	2.47E-08	increasing	0
GRIA4	BA46	4.35E-08	-0.00066	1.46E-06	decreasing	0
GRID2	BA46	7.52E-09	-0.00076	1.22E-08	decreasing	0
GRIK1	BA46	5.73E-08	-0.00074	3.37E-08	decreasing	0
GRIK3	BA46	1.65E-09	-0.00062	5.31E-06	decreasing	0
GRIK4	BA46	3.36E-08	-0.00054	0.000205	other	0
GRIN2A	BA46	7.13E-08	-0.00072	1.46E-07	decreasing	0
GRIN2B	BA46	5.46E-11	-0.00078	1.29E-09	decreasing	0
GRIN3A	BA46	4.69E-12	-0.00078	8.31E-10	decreasing	0
GRIP1	BA46	2.34E-07	-0.00032	0.031353	other	0
GRM1	BA46	1.67E-07	0.000701	2.36E-07	increasing	1
GRM2	BA46	7.31E-08	-0.00038	0.010364	other	0
GRM3	BA46	2.60E-07	-0.0008	1.21E-09	decreasing	0
GRM5	BA46	2.05E-07	-0.00049	0.000581	other	0
GRM7	BA46	1.41E-13	-0.00085	4.94E-13	decreasing	0
GRP	BA46	2.18E-14	-0.00086	1.52E-12	decreasing	1
GSE1	BA46	2.82E-09	-0.00027	0.064563	other	0
GSG1L	BA46	2.30E-08	-0.00059	3.11E-05	decreasing	0
GSKIP	BA46	1.31E-09	0.000582	1.69E-05	increasing	0
GSTO1	BA46	4.12E-10	0.000784	5.01E-10	increasing	0
GULP1	BA46	1.10E-11	-0.00074	1.59E-08	decreasing	0
GYG1	BA46	5.99E-06	0.000723	9.71E-08	increasing	0
HABP4	BA46	1.78E-07	0.000335	0.021802	other	0
HACL1	BA46	1.57E-07	0.000666	3.85E-07	increasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HAMP	BA46	2.24E-07	0.000641	1.32E-06	increasing	0
HAPLN1	BA46	3.92E-20	-0.0009	3.71E-14	decreasing	0
HAPLN2	BA46	5.52E-13	0.000811	2.21E-10	increasing	0
HAPLN4	BA46	8.03E-17	0.000883	1.96E-13	increasing	0
HAS2	BA46	1.66E-10	-0.00074	4.66E-09	decreasing	0
HAUS5	BA46	9.81E-08	0.000764	8.79E-09	increasing	0
HBP1	BA46	7.10E-05	0.000693	1.48E-07	increasing	0
HCRTR1	BA46	1.65E-08	-0.00074	3.87E-08	decreasing	0
HDAC9	BA46	2.69E-10	-0.0008	3.46E-10	decreasing	0
HECTD2	BA46	3.94E-12	-0.00079	1.77E-10	decreasing	0
HECW2	BA46	1.04E-08	-0.00073	2.99E-08	decreasing	0
HES4	BA46	2.25E-08	-0.00071	6.03E-08	decreasing	0
HHIP	BA46	9.55E-14	0.000849	1.65E-11	increasing	0
HIP1	BA46	4.06E-21	-0.00092	2.65E-15	decreasing	0
HIPK4	BA46	1.19E-10	0.000758	7.18E-09	increasing	0
HIVEP2	BA46	4.42E-12	-0.00085	1.03E-11	decreasing	0
HIVEP3	BA46	1.19E-06	-0.00075	1.31E-08	decreasing	0
HLF	BA46	4.68E-08	0.000533	0.000128	other	0
HMCN1	BA46	1.09E-07	-0.00074	2.17E-08	decreasing	0
HMGA2	BA46	6.80E-07	-0.0007	1.85E-07	decreasing	0
HMGB2	BA46	2.15E-06	0.000722	6.91E-08	increasing	0
HMGCR	BA46	8.22E-10	-0.00072	5.59E-08	decreasing	0
HN1	BA46	1.75E-07	-0.00055	7.38E-05	decreasing	0
HNRNPUL2	BA46	1.02E-07	0.000587	2.39E-05	increasing	0
HOMER1	BA46	1.04E-08	-0.00054	0.000127	other	0
HOMER2	BA46	4.72E-09	-0.00078	2.59E-10	decreasing	1
HOPX	BA46	1.09E-07	0.000697	1.85E-07	increasing	0
HPCAL1	BA46	8.56E-08	0.000315	0.032199	other	0
HPCAL4	BA46	7.91E-09	0.000185	0.20871	other	0
HRH2	BA46	5.81E-08	-0.0001	0.490604	other	0
HS2ST1	BA46	1.97E-08	-0.0008	8.67E-10	decreasing	0
HSBP1	BA46	1.13E-08	-0.00067	6.48E-07	decreasing	0
HSD11B1	BA46	1.26E-06	0.000752	6.25E-09	increasing	0
HSDL1	BA46	4.37E-08	0.000596	2.28E-05	increasing	0
HSF4	BA46	6.10E-12	0.000824	2.11E-11	increasing	0
HSPA1A	BA46	4.15E-08	0.000653	7.51E-07	increasing	0
HSPA1B	BA46	4.80E-08	0.000679	3.86E-07	increasing	0
HSPB8	BA46	2.40E-18	0.000883	3.61E-13	increasing	0
HTR1A	BA46	1.10E-12	0.000749	2.13E-08	increasing	0
HTR1E	BA46	3.18E-13	0.000791	4.62E-10	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HTR3A	BA46	1.18E-09	0.000735	2.21E-08	increasing	0
HTRA1	BA46	2.32E-06	-0.00073	8.23E-08	decreasing	0
HTRA3	BA46	2.28E-07	-0.00045	0.001565	other	0
HTRA4	BA46	8.71E-08	0.000757	7.66E-09	increasing	0
IDH2	BA46	1.66E-07	-0.00077	3.30E-09	decreasing	0
IFFO1	BA46	9.31E-10	0.000763	2.21E-09	increasing	0
IGF1	BA46	1.38E-10	-0.00076	4.24E-09	decreasing	0
IGF2BP2	BA46	2.45E-08	-0.00056	6.61E-05	decreasing	0
IGF2R	BA46	5.68E-09	-0.00017	0.248159	other	0
IGFBP3	BA46	4.13E-08	-0.0006	1.92E-05	decreasing	0
IGFBPL1	BA46	1.41E-07	-0.00061	8.35E-06	decreasing	0
IGSF3	BA46	7.79E-08	0.000135	0.360788	other	0
IGSF8	BA46	3.89E-08	0.000709	6.03E-08	increasing	0
IGSF9B	BA46	6.35E-08	0.000193	0.197559	other	0
IL12RB2	BA46	4.45E-08	4.56E-05	0.755999	other	0
IL17D	BA46	1.77E-07	0.000402	0.005867	other	0
IL17RD	BA46	2.61E-12	-0.00083	1.37E-11	decreasing	0
IL1RAP	BA46	8.35E-07	-0.00071	8.54E-08	decreasing	0
IL34	BA46	9.22E-10	-0.00077	2.99E-09	decreasing	0
ILDR2	BA46	6.78E-20	-0.00089	1.17E-14	decreasing	0
INPP5A	BA46	7.27E-18	0.000869	9.35E-14	increasing	0
INPP5B	BA46	8.87E-12	0.000807	3.27E-10	increasing	0
INPP5D	BA46	1.02E-08	-0.00062	8.57E-06	decreasing	0
INSM1	BA46	3.51E-08	-0.00072	3.84E-08	decreasing	0
IP6K2	BA46	2.49E-07	0.000104	0.476668	other	0
IPMK	BA46	2.11E-08	-0.00081	4.86E-10	decreasing	0
IPO11	BA46	2.25E-07	0.000635	2.49E-06	increasing	0
IQGAP2	BA46	1.46E-08	-0.00066	1.18E-06	decreasing	0
IRF2	BA46	7.04E-12	0.000827	2.69E-11	increasing	0
IRF5	BA46	6.70E-11	0.000833	5.10E-11	increasing	0
IRF8	BA46	7.24E-08	-0.00071	1.88E-07	decreasing	0
IRS2	BA46	1.90E-07	0.000677	3.41E-07	increasing	0
ISCU	BA46	1.83E-15	0.000852	1.75E-12	increasing	0
ITGA1	BA46	6.52E-08	-0.00073	8.44E-08	decreasing	0
ITGA2B	BA46	8.10E-11	-0.00063	6.12E-06	decreasing	0
ITGA3	BA46	1.81E-16	0.000886	2.11E-13	increasing	0
ITGA4	BA46	1.62E-07	0.000435	0.001976	other	0
ITGA9	BA46	1.76E-12	-0.0008	1.76E-10	decreasing	0
ITGAM	BA46	3.96E-06	-0.00073	8.81E-08	decreasing	0
ITPKB	BA46	1.19E-07	0.000625	4.74E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ITPR1	BA46	1.39E-16	0.000694	1.44E-07	increasing	0
IVNS1ABP	BA46	5.16E-16	-0.00087	3.93E-13	decreasing	0
JADE1	BA46	8.14E-07	0.000747	2.93E-08	increasing	0
JADE2	BA46	1.26E-13	0.000769	2.58E-09	increasing	0
JAKMIP2	BA46	6.03E-10	-0.00075	1.57E-08	decreasing	0
JAM2	BA46	5.66E-05	-0.0007	2.54E-07	decreasing	0
JAZF1	BA46	9.94E-09	-0.00064	1.56E-06	decreasing	0
JMY	BA46	9.25E-10	-0.00021	0.150884	other	0
JPH1	BA46	9.55E-09	0.00044	0.002257	other	0
KBTBD11	BA46	5.18E-10	0.000751	6.99E-09	increasing	0
KBTBD7	BA46	7.13E-08	-3.42E-05	0.82017	other	0
KCNA2	BA46	1.85E-12	0.000826	7.12E-12	increasing	0
KCNA6	BA46	3.50E-08	-0.00072	2.80E-08	decreasing	0
KCNAB2	BA46	3.09E-10	0.000671	5.75E-07	increasing	0
KCNC1	BA46	1.62E-15	0.00084	5.25E-12	increasing	0
KCND3	BA46	2.91E-13	0.000832	1.75E-11	increasing	0
KCNF1	BA46	1.75E-08	-0.00076	3.67E-09	decreasing	0
KCNG1	BA46	7.90E-12	-0.00084	1.07E-11	decreasing	0
KCNH1	BA46	1.29E-07	0.000237	0.10712	other	0
KCNH2	BA46	2.50E-07	8.49E-05	0.571634	other	0
KCNH3	BA46	6.41E-08	-0.00065	3.66E-06	decreasing	0
KCNIP2	BA46	2.28E-10	0.000641	3.58E-06	increasing	0
KCNIP3	BA46	4.43E-11	-0.00069	5.68E-07	decreasing	0
KCNIP4	BA46	9.07E-08	0.000664	1.04E-06	increasing	0
KCNJ11	BA46	4.38E-08	0.000658	1.09E-06	increasing	0
KCNK1	BA46	2.55E-07	0.000575	2.98E-05	increasing	0
KCNN2	BA46	2.81E-08	0.000376	0.010363	other	0
KCNQ2	BA46	3.55E-08	-0.0004	0.00669	other	0
KCNQ3	BA46	1.87E-16	-0.0009	7.39E-14	decreasing	0
KCNQ5	BA46	7.17E-08	0.000279	0.056004	other	0
KCNS1	BA46	1.53E-23	0.000921	6.09E-16	increasing	0
KCNT1	BA46	3.33E-10	0.000694	2.08E-07	increasing	0
KCNT2	BA46	1.10E-17	-0.00088	1.82E-13	decreasing	0
KCTD1	BA46	1.11E-09	0.000154	0.291483	other	0
KCTD16	BA46	8.71E-08	-0.00063	6.68E-06	decreasing	0
KCTD2	BA46	9.52E-10	0.000831	7.24E-11	increasing	0
KCTD9	BA46	7.90E-08	0.000752	8.13E-09	increasing	0
KDM2B	BA46	3.77E-11	-0.0008	2.02E-10	decreasing	0
KDM7A	BA46	1.86E-07	-0.00077	5.80E-09	decreasing	0
KEL	BA46	2.11E-06	0.000728	6.09E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
KIAA0100	BA46	2.43E-06	-0.00073	8.06E-08	decreasing	0
KIAA0430	BA46	1.26E-08	0.000536	0.000118	other	0
KIAA0513	BA46	3.45E-17	0.000871	1.42E-12	increasing	0
KIAA1045	BA46	3.19E-12	-0.00085	6.37E-12	decreasing	0
KIAA1211	BA46	2.47E-07	-0.00045	0.001736	other	0
KIAA1211L	BA46	8.46E-11	0.00064	2.45E-06	increasing	0
KIAA1549	BA46	1.14E-08	-0.00031	0.035606	other	1
KIAA1598	BA46	1.98E-07	0.000442	0.002454	other	1
KIAA1644	BA46	2.21E-08	-0.0002	0.17551	other	0
KIF21B	BA46	5.65E-19	-0.0009	1.15E-14	decreasing	0
KIF2A	BA46	1.19E-12	-0.00077	1.63E-09	decreasing	0
KIF3C	BA46	3.10E-07	-0.00074	2.06E-08	decreasing	0
KIF5C	BA46	1.84E-12	-0.00086	1.07E-11	decreasing	0
KIRREL	BA46	1.58E-07	-0.00048	0.000633	other	0
KIRREL3	BA46	2.96E-10	-0.00082	5.98E-11	decreasing	0
KISS1R	BA46	3.93E-13	0.000844	1.26E-12	increasing	0
KIZ	BA46	7.69E-09	0.000417	0.003606	other	0
KLF13	BA46	1.41E-10	-0.00085	9.76E-12	decreasing	0
KLF6	BA46	2.59E-07	-0.00069	2.34E-07	decreasing	0
KLF7	BA46	3.36E-11	-0.00076	4.58E-09	decreasing	0
KLF9	BA46	1.02E-10	-0.00077	4.00E-09	decreasing	0
KLHDC9	BA46	1.01E-07	0.000762	4.96E-09	increasing	0
KLHL11	BA46	6.59E-07	0.00075	2.26E-08	increasing	0
KLHL18	BA46	2.33E-07	-0.00055	6.33E-05	decreasing	0
KLHL21	BA46	4.87E-11	0.00083	4.98E-11	increasing	0
KLHL23	BA46	1.50E-09	-0.00068	2.71E-07	decreasing	0
KLHL24	BA46	5.84E-11	0.00068	3.64E-07	increasing	0
KLHL25	BA46	1.82E-09	-0.00077	5.35E-09	decreasing	0
KLHL29	BA46	3.14E-07	-0.00072	4.12E-08	decreasing	0
KLHL32	BA46	4.19E-12	0.000692	2.71E-07	increasing	0
KLHL9	BA46	1.67E-07	1.56E-05	0.917069	other	1
KLK6	BA46	1.88E-10	0.000812	5.71E-11	increasing	0
KMT2A	BA46	1.97E-06	0.000703	1.94E-07	increasing	0
KNCN	BA46	4.57E-05	0.000695	2.53E-07	increasing	0
KPNA3	BA46	3.36E-09	-0.00059	1.99E-05	decreasing	0
KRBOX4	BA46	2.93E-05	0.000725	8.43E-08	increasing	0
KRT7	BA46	9.20E-10	-0.0001	0.500892	other	0
KRT80	BA46	1.10E-07	-1.42E-05	0.92546	other	1
KY	BA46	6.67E-07	0.000712	5.27E-08	increasing	0
L3MBTL1	BA46	1.22E-09	-0.00078	9.33E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LAMA4	BA46	7.39E-08	-0.00054	0.000143	other	0
LAMC1	BA46	1.06E-09	-0.00068	3.39E-07	decreasing	0
LANCL2	BA46	1.87E-09	-0.00074	1.44E-08	decreasing	0
LASP1	BA46	1.30E-07	-0.00078	3.30E-09	decreasing	0
LCORL	BA46	7.25E-16	-0.00084	1.29E-12	decreasing	0
LCP2	BA46	2.88E-06	-0.00076	1.60E-08	decreasing	0
LDB3	BA46	3.94E-15	0.000836	2.26E-11	increasing	0
LDOC1L	BA46	1.14E-07	-0.00043	0.002659	other	0
LGALS8	BA46	2.32E-07	0.000696	4.06E-07	increasing	0
LGI3	BA46	7.04E-17	0.000852	1.64E-12	increasing	0
LGR6	BA46	7.12E-09	-0.00074	2.14E-08	decreasing	0
LHFPL3	BA46	3.07E-14	-0.00087	1.56E-12	decreasing	0
LHFPL5	BA46	8.73E-08	0.000651	2.70E-06	increasing	0
LIMD2	BA46	1.18E-06	-0.00073	1.91E-08	decreasing	0
LINGO4	BA46	6.75E-08	0.000658	1.46E-06	increasing	0
LOC103214744	BA46	8.28E-09	0.000667	1.00E-06	increasing	0
LOC103214965	BA46	2.38E-08	-0.00026	0.073126	other	1
LOC103215127	BA46	3.48E-06	0.00055	9.48E-08	increasing	0
LOC103215262	BA46	2.03E-07	-0.00029	0.053851	other	0
LOC103215364	BA46	4.00E-08	-5.90E-05	0.690935	other	0
LOC103215829	BA46	1.16E-06	-0.00072	5.55E-08	decreasing	0
LOC103215843	BA46	4.64E-09	-0.00068	7.51E-07	decreasing	0
LOC103215951	BA46	1.18E-05	0.000704	1.61E-07	increasing	0
LOC103216062	BA46	1.66E-07	-7.11E-05	0.627942	other	0
LOC103216066	BA46	2.62E-11	0.000759	6.12E-09	increasing	0
LOC103216135	BA46	1.59E-08	0.000498	0.000398	other	0
LOC103216175	BA46	4.82E-09	0.000767	1.68E-09	increasing	1
LOC103216270	BA46	7.83E-08	-0.00052	0.000231	other	0
LOC103216325	BA46	1.34E-08	0.000706	8.52E-08	increasing	0
LOC103216550	BA46	2.47E-07	-0.00072	7.26E-08	decreasing	0
LOC103217195	BA46	2.03E-07	-0.00064	1.50E-06	decreasing	0
LOC103217197	BA46	1.70E-06	-0.00073	1.06E-08	decreasing	0
LOC103217236	BA46	6.08E-08	0.000357	0.016041	other	0
LOC103217966	BA46	1.00E-07	0.000278	0.058185	other	1
LOC103218099	BA46	3.97E-08	-0.00066	2.28E-06	decreasing	0
LOC103218165	BA46	2.66E-09	0.000723	8.73E-08	increasing	0
LOC103218261	BA46	2.53E-08	0.000624	5.49E-06	increasing	1
LOC103218710	BA46	3.67E-09	-0.00071	1.15E-07	decreasing	0
LOC103218716	BA46	2.39E-07	-0.00038	0.0111	other	0
LOC103218887	BA46	7.51E-08	0.000444	0.00166	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103219120	BA46	1.79E-15	-0.00085	1.35E-12	decreasing	0
LOC103219428	BA46	2.41E-07	0.000712	8.01E-08	increasing	0
LOC103219982	BA46	5.47E-10	-0.00072	2.45E-08	decreasing	0
LOC103220245	BA46	2.40E-07	0.000117	0.434963	other	0
LOC103221116	BA46	2.05E-10	0.000717	2.30E-08	increasing	0
LOC103221138	BA46	1.39E-08	0.000777	2.11E-09	increasing	0
LOC103221197	BA46	5.81E-09	0.000178	0.224468	other	0
LOC103221287	BA46	3.83E-11	-0.00079	5.25E-10	decreasing	0
LOC103221291	BA46	1.61E-12	-0.0008	7.55E-10	decreasing	0
LOC103221412	BA46	3.23E-09	0.000795	1.04E-10	increasing	0
LOC103221449	BA46	1.96E-07	-0.00059	1.50E-05	decreasing	0
LOC103221689	BA46	1.47E-05	-0.00071	2.45E-07	decreasing	0
LOC103221863	BA46	2.49E-07	0.000667	6.88E-07	increasing	1
LOC103221933	BA46	2.00E-08	-0.00061	4.81E-06	decreasing	0
LOC103221935	BA46	1.34E-08	-0.00061	4.94E-06	decreasing	0
LOC103221944	BA46	8.34E-09	-0.00057	3.96E-05	decreasing	0
LOC103221945	BA46	1.01E-10	-0.00076	5.28E-09	decreasing	0
LOC103221971	BA46	1.96E-09	0.000192	0.205255	other	0
LOC103221972	BA46	5.49E-08	7.82E-05	0.60266	other	0
LOC103221997	BA46	7.12E-08	-0.0006	1.61E-05	decreasing	0
LOC103221998	BA46	1.77E-07	-0.00049	0.00059	other	0
LOC103222001	BA46	1.90E-07	-0.00049	0.000683	other	0
LOC103222004	BA46	9.51E-10	-0.00064	1.74E-06	decreasing	0
LOC103222006	BA46	1.08E-10	-0.00065	2.38E-06	decreasing	0
LOC103222008	BA46	2.12E-09	-4.53E-05	0.762793	other	0
LOC103222017	BA46	3.67E-09	0.000319	0.033366	other	0
LOC103222020	BA46	3.79E-08	0.000521	0.000286	other	0
LOC103222057	BA46	6.40E-09	-0.00013	0.387705	other	0
LOC103222075	BA46	1.36E-09	-0.00076	1.13E-08	decreasing	0
LOC103222083	BA46	2.53E-11	0.000789	7.09E-11	increasing	0
LOC103222154	BA46	5.09E-08	0.000104	0.490053	other	0
LOC103222274	BA46	6.30E-09	-0.00055	0.000113	other	0
LOC103222280	BA46	5.19E-11	-0.00074	7.48E-09	decreasing	0
LOC103222373	BA46	1.59E-08	-0.00065	1.88E-06	decreasing	0
LOC103222510	BA46	1.26E-11	-0.0008	3.87E-10	decreasing	0
LOC103222548	BA46	1.34E-07	0.000662	1.94E-06	increasing	0
LOC103222563	BA46	4.61E-09	-0.00079	5.45E-10	decreasing	0
LOC103222608	BA46	2.22E-08	0.000514	0.00024	other	0
LOC103222721	BA46	1.43E-08	-0.0007	3.55E-07	decreasing	1
LOC103222800	BA46	2.82E-08	-0.00054	0.000119	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103222940	BA46	3.52E-08	-0.00069	2.88E-07	decreasing	1
LOC103222965	BA46	2.24E-09	0.000691	1.67E-07	increasing	0
LOC103223027	BA46	4.50E-06	0.00068	3.97E-09	increasing	0
LOC103223096	BA46	4.74E-12	-0.00084	7.59E-12	decreasing	0
LOC103223099	BA46	4.50E-13	-0.00083	3.43E-12	decreasing	0
LOC103223177	BA46	8.66E-09	-0.00069	2.13E-07	decreasing	0
LOC103223219	BA46	1.40E-08	0.000612	1.00E-05	increasing	0
LOC103223445	BA46	6.20E-15	-0.00084	3.92E-12	decreasing	0
LOC103223518	BA46	5.31E-08	0.000401	0.005459	other	0
LOC103223600	BA46	1.10E-06	0.000732	9.09E-09	increasing	1
LOC103223617	BA46	1.15E-06	-0.00069	1.44E-07	decreasing	1
LOC103223633	BA46	1.26E-14	-0.00052	0.000208	other	0
LOC103223656	BA46	1.72E-12	-0.00053	0.000123	other	0
LOC103223660	BA46	2.84E-10	-0.00058	3.22E-05	decreasing	0
LOC103223665	BA46	2.05E-07	-0.00023	0.117863	other	0
LOC103224231	BA46	3.22E-14	0.000836	4.82E-12	increasing	0
LOC103224287	BA46	5.65E-10	-0.00077	2.64E-09	decreasing	0
LOC103224382	BA46	2.43E-12	-0.00078	2.10E-09	decreasing	0
LOC103224383	BA46	1.20E-15	-0.00086	1.50E-12	decreasing	0
LOC103224431	BA46	4.99E-13	-0.0008	1.28E-10	decreasing	0
LOC103224456	BA46	1.68E-09	0.00052	0.000162	other	0
LOC103224536	BA46	4.86E-11	-0.0008	8.65E-10	decreasing	0
LOC103224678	BA46	1.63E-07	-0.00074	4.03E-08	decreasing	0
LOC103224735	BA46	1.17E-08	-0.00071	1.22E-07	decreasing	0
LOC103225435	BA46	1.25E-07	-0.00029	0.045631	other	0
LOC103225645	BA46	3.83E-13	0.000822	4.19E-11	increasing	0
LOC103225786	BA46	5.42E-10	-0.00011	0.461591	other	0
LOC103225826	BA46	5.35E-08	-0.00075	3.24E-09	decreasing	0
LOC103225917	BA46	4.65E-06	-0.00073	5.50E-08	decreasing	0
LOC103226050	BA46	2.78E-07	-0.0007	1.46E-07	decreasing	0
LOC103226149	BA46	5.03E-11	0.000849	1.94E-11	increasing	0
LOC103226232	BA46	1.84E-07	-0.00067	8.66E-07	decreasing	1
LOC103226647	BA46	3.33E-08	-0.00067	9.59E-07	decreasing	0
LOC103226670	BA46	2.30E-06	0.000716	1.44E-07	increasing	0
LOC103226908	BA46	1.02E-11	0.000728	1.22E-08	increasing	0
LOC103226909	BA46	1.13E-07	0.000654	1.06E-06	increasing	0
LOC103226929	BA46	6.31E-08	0.000673	4.15E-07	increasing	0
LOC103227909	BA46	3.33E-08	-0.00071	9.74E-08	decreasing	0
LOC103227910	BA46	5.11E-09	-0.00073	2.85E-08	decreasing	0
LOC103227976	BA46	1.02E-07	-0.00031	0.034182	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103228058	BA46	2.86E-09	-0.00065	2.28E-06	decreasing	1
LOC103228345	BA46	6.28E-08	-0.00039	0.006832	other	1
LOC103228593	BA46	1.42E-07	-0.00062	3.88E-06	decreasing	0
LOC103228595	BA46	7.85E-13	-0.00083	1.48E-11	decreasing	0
LOC103228596	BA46	8.21E-07	-0.00075	1.77E-08	decreasing	0
LOC103228598	BA46	5.58E-08	-0.00073	2.84E-08	decreasing	0
LOC103228599	BA46	6.98E-11	-0.00084	2.19E-11	decreasing	0
LOC103228600	BA46	7.11E-08	-0.00071	6.15E-08	decreasing	0
LOC103228601	BA46	4.54E-10	-0.00078	8.49E-10	decreasing	0
LOC103228602	BA46	7.98E-12	-0.00082	4.07E-11	decreasing	0
LOC103228603	BA46	1.40E-09	-0.00079	6.78E-10	decreasing	0
LOC103228604	BA46	8.33E-13	-0.00081	9.36E-11	decreasing	0
LOC103228607	BA46	2.87E-10	-0.00075	1.20E-08	decreasing	0
LOC103228626	BA46	3.20E-10	-0.00083	1.44E-11	decreasing	0
LOC103228749	BA46	3.07E-08	-0.00023	0.118746	other	0
LOC103228897	BA46	4.83E-08	0.000729	5.21E-08	increasing	0
LOC103229137	BA46	2.32E-12	-0.00081	1.72E-10	decreasing	0
LOC103229197	BA46	8.40E-12	-0.00072	2.46E-08	decreasing	0
LOC103229569	BA46	1.87E-09	0.000693	9.14E-08	increasing	0
LOC103229610	BA46	2.12E-09	-0.00073	5.83E-08	decreasing	0
LOC103229611	BA46	1.99E-08	-0.00072	1.14E-07	decreasing	1
LOC103229921	BA46	7.87E-11	-0.00074	1.68E-08	decreasing	0
LOC103230141	BA46	2.08E-07	1.18E-05	0.937602	other	0
LOC103230209	BA46	8.14E-06	-0.00071	1.66E-07	decreasing	1
LOC103230295	BA46	2.44E-07	0.000657	1.42E-06	increasing	0
LOC103230361	BA46	1.75E-07	-0.00071	1.29E-07	decreasing	0
LOC103230633	BA46	6.14E-10	2.85E-06	0.984955	other	0
LOC103230635	BA46	8.06E-09	-4.80E-05	0.746767	other	0
LOC103230650	BA46	1.35E-08	-0.00073	1.32E-08	decreasing	1
LOC103230770	BA46	5.52E-12	0.0008	4.98E-10	increasing	0
LOC103230800	BA46	3.22E-18	-0.0009	4.33E-14	decreasing	0
LOC103231081	BA46	1.58E-09	-0.00076	9.75E-09	decreasing	0
LOC103231153	BA46	1.06E-10	-0.00078	1.96E-09	decreasing	1
LOC103231470	BA46	7.51E-09	0.000651	1.19E-06	increasing	0
LOC103231498	BA46	5.19E-08	-0.00074	2.58E-08	decreasing	0
LOC103231548	BA46	1.28E-10	-0.00077	1.79E-09	decreasing	0
LOC103231593	BA46	1.65E-07	0.000581	3.23E-05	increasing	0
LOC103231987	BA46	4.76E-08	0.000722	8.01E-08	increasing	0
LOC103232002	BA46	5.76E-08	-0.00011	0.473175	other	0
LOC103232043	BA46	4.26E-08	0.000216	0.147582	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103232203	BA46	1.32E-08	0.000742	2.29E-08	increasing	0
LOC103232311	BA46	9.73E-09	-0.00072	2.43E-08	decreasing	0
LOC103232409	BA46	5.55E-07	0.000736	3.81E-08	increasing	0
LOC103232553	BA46	5.00E-08	0.000617	7.44E-06	increasing	0
LOC103232974	BA46	9.29E-08	-0.00049	0.000655	other	0
LOC103233113	BA46	1.17E-10	-0.0008	3.26E-10	decreasing	0
LOC103233444	BA46	3.33E-08	0.000515	0.000234	other	1
LOC103233451	BA46	1.89E-07	0.000703	2.84E-07	increasing	0
LOC103233667	BA46	2.04E-08	0.000694	2.11E-07	increasing	0
LOC103233674	BA46	8.01E-06	-0.00075	1.99E-08	decreasing	0
LOC103233923	BA46	6.17E-07	-0.00078	2.39E-09	decreasing	0
LOC103233961	BA46	6.51E-08	-0.0007	5.22E-08	decreasing	0
LOC103234031	BA46	3.08E-11	0.000772	1.74E-09	increasing	0
LOC103234033	BA46	3.25E-10	-0.00081	2.11E-10	decreasing	0
LOC103234347	BA46	4.23E-11	-0.00064	2.10E-06	decreasing	0
LOC103234469	BA46	4.83E-08	0.000741	3.54E-08	increasing	0
LOC103234618	BA46	1.08E-07	-0.0007	1.18E-07	decreasing	0
LOC103234986	BA46	2.09E-09	0.000652	2.11E-06	increasing	0
LOC103235597	BA46	5.13E-09	-0.00064	2.65E-06	decreasing	0
LOC103235792	BA46	4.81E-06	0.0007	1.43E-07	increasing	0
LOC103236318	BA46	1.38E-07	0.000754	1.27E-08	increasing	0
LOC103236784	BA46	8.49E-08	0.000712	6.41E-08	increasing	0
LOC103236863	BA46	1.97E-09	0.000148	0.325265	other	0
LOC103236930	BA46	5.49E-10	-0.00081	3.32E-10	decreasing	0
LOC103237300	BA46	7.77E-08	-0.00074	6.00E-09	decreasing	0
LOC103237306	BA46	1.76E-06	-0.00071	3.47E-08	decreasing	0
LOC103237374	BA46	3.03E-05	-0.00069	2.09E-07	decreasing	0
LOC103237383	BA46	1.25E-06	-0.00074	2.67E-08	decreasing	0
LOC103237442	BA46	1.23E-05	-0.00071	2.09E-07	decreasing	0
LOC103237464	BA46	2.81E-10	-0.0007	1.40E-07	decreasing	0
LOC103237465	BA46	1.49E-11	-0.00069	3.55E-08	decreasing	0
LOC103237488	BA46	1.31E-07	-0.00047	0.001304	other	0
LOC103237511	BA46	6.90E-16	0.000815	7.32E-11	increasing	0
LOC103237714	BA46	8.07E-09	0.000606	8.81E-06	increasing	0
LOC103237778	BA46	1.83E-07	0.000531	0.000169	other	0
LOC103237807	BA46	1.73E-09	-7.08E-05	0.635606	other	0
LOC103237842	BA46	1.35E-08	-0.00028	0.05356	other	1
LOC103237870	BA46	3.57E-09	-0.00076	2.48E-09	decreasing	0
LOC103237871	BA46	2.83E-09	-0.00074	4.69E-09	decreasing	0
LOC103237872	BA46	4.53E-09	-0.0007	4.54E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103237873	BA46	2.40E-09	-0.00075	2.33E-09	decreasing	0
LOC103238342	BA46	1.73E-13	0.000755	6.55E-09	increasing	0
LOC103239234	BA46	2.35E-08	0.000795	5.39E-10	increasing	0
LOC103239260	BA46	1.07E-09	0.000668	3.49E-07	increasing	0
LOC103239367	BA46	1.74E-11	-0.0008	7.15E-11	decreasing	0
LOC103239368	BA46	5.99E-09	-0.00073	9.61E-09	decreasing	0
LOC103239374	BA46	3.25E-10	-0.00075	1.21E-08	decreasing	0
LOC103239382	BA46	1.10E-09	-0.00011	0.448152	other	0
LOC103239398	BA46	3.76E-08	-0.00064	4.72E-06	decreasing	0
LOC103239420	BA46	7.22E-08	0.000137	0.36223	other	0
LOC103239443	BA46	5.66E-08	-9.13E-05	0.544187	other	0
LOC103239471	BA46	1.69E-08	0.000786	1.82E-09	increasing	0
LOC103239535	BA46	1.13E-09	-0.00082	1.89E-10	decreasing	1
LOC103240196	BA46	1.35E-09	0.000579	3.25E-05	increasing	0
LOC103240214	BA46	1.21E-08	-0.00073	2.20E-08	decreasing	0
LOC103240400	BA46	2.51E-09	0.000621	8.05E-06	increasing	0
LOC103240653	BA46	1.56E-07	-0.00053	2.36E-05	decreasing	0
LOC103240698	BA46	1.64E-06	-0.00072	1.01E-07	decreasing	0
LOC103240889	BA46	1.39E-07	-3.86E-06	0.979662	other	0
LOC103240941	BA46	1.85E-08	-0.00072	6.56E-08	decreasing	0
LOC103241172	BA46	9.70E-08	-0.00062	1.47E-06	decreasing	0
LOC103241174	BA46	5.10E-12	-0.00078	5.69E-10	decreasing	0
LOC103241371	BA46	6.82E-15	-0.00081	4.23E-11	decreasing	0
LOC103241400	BA46	1.03E-06	0.000724	3.71E-09	increasing	0
LOC103241685	BA46	1.45E-12	0.000813	1.12E-10	increasing	0
LOC103241686	BA46	4.12E-08	0.000713	2.92E-08	increasing	0
LOC103242438	BA46	2.59E-07	-0.00069	1.00E-07	decreasing	0
LOC103242583	BA46	5.34E-12	-0.00082	3.95E-11	decreasing	0
LOC103242586	BA46	1.01E-07	-0.00078	1.36E-09	decreasing	0
LOC103242716	BA46	4.73E-08	0.000663	1.47E-06	increasing	0
LOC103242734	BA46	1.56E-09	-0.00071	1.98E-07	decreasing	1
LOC103242748	BA46	1.42E-16	-0.00077	5.67E-09	decreasing	0
LOC103242768	BA46	2.04E-07	-0.00066	1.95E-06	decreasing	0
LOC103242825	BA46	1.87E-09	-0.00035	0.018082	other	0
LOC103242925	BA46	1.11E-08	0.000684	2.35E-07	increasing	0
LOC103243079	BA46	9.80E-16	0.000876	9.03E-13	increasing	0
LOC103243159	BA46	8.98E-11	-0.00077	7.00E-10	decreasing	0
LOC103243177	BA46	2.72E-09	-5.59E-05	0.709057	other	0
LOC103243838	BA46	1.04E-11	-0.00075	9.65E-09	decreasing	0
LOC103243870	BA46	5.30E-06	0.000613	1.41E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103244047	BA46	2.99E-10	0.000702	1.38E-07	increasing	0
LOC103244070	BA46	2.71E-09	0.000702	5.74E-08	increasing	0
LOC103244091	BA46	3.18E-10	0.000734	2.90E-08	increasing	0
LOC103244127	BA46	1.80E-07	0.000464	0.00121	other	0
LOC103244197	BA46	2.39E-07	-0.00035	0.014657	other	0
LOC103244243	BA46	4.81E-10	0.000843	3.10E-11	increasing	0
LOC103244421	BA46	1.17E-10	-0.00081	1.20E-10	decreasing	0
LOC103244468	BA46	8.00E-08	-0.00069	9.26E-08	decreasing	0
LOC103244678	BA46	1.83E-11	-0.00071	4.49E-08	decreasing	0
LOC103244679	BA46	8.36E-10	-0.0008	3.49E-10	decreasing	0
LOC103244751	BA46	5.54E-08	-0.00068	5.44E-07	decreasing	0
LOC103245124	BA46	2.90E-09	0.000661	1.22E-10	increasing	0
LOC103245136	BA46	2.43E-08	0.000725	7.87E-08	increasing	0
LOC103245175	BA46	1.29E-09	-0.00058	3.02E-05	decreasing	0
LOC103245191	BA46	2.53E-07	-0.00065	2.58E-06	decreasing	0
LOC103245291	BA46	7.66E-08	0.000762	4.90E-09	increasing	0
LOC103245629	BA46	2.25E-07	2.00E-05	0.893554	other	0
LOC103245855	BA46	2.32E-08	-0.00057	3.99E-05	decreasing	0
LOC103246030	BA46	7.08E-08	0.00068	8.45E-07	increasing	0
LOC103246386	BA46	4.61E-08	0.000292	0.045208	other	0
LOC103246438	BA46	2.52E-07	-0.00023	0.119512	other	0
LOC103246562	BA46	4.66E-07	0.000723	1.06E-07	increasing	0
LOC103247226	BA46	2.37E-11	0.000628	3.49E-06	increasing	0
LOC103247904	BA46	3.44E-14	-0.00023	0.016166	other	0
LOC103248295	BA46	1.95E-16	0.0008	5.46E-11	increasing	0
LOC103248411	BA46	6.67E-08	0.000504	0.000397	other	0
LOC103248425	BA46	1.46E-08	-0.00077	5.15E-09	decreasing	0
LOC103248740	BA46	2.00E-07	-0.00046	0.001714	other	0
LOC103248801	BA46	3.73E-10	-0.00057	2.28E-05	decreasing	0
LOC103248867	BA46	4.25E-09	-0.00067	2.65E-07	decreasing	0
LOC103248870	BA46	6.22E-08	-0.00067	1.17E-06	decreasing	0
LOC103248873	BA46	1.67E-09	-0.00073	5.70E-08	decreasing	0
LOC103248904	BA46	2.34E-07	-0.00056	8.38E-05	decreasing	0
LONRF1	BA46	1.02E-08	0.000547	6.47E-05	increasing	0
LOXHD1	BA46	5.32E-08	-0.00051	0.00032	other	0
LPA	BA46	4.90E-07	-0.0007	4.73E-08	decreasing	1
LPCAT1	BA46	4.09E-08	-0.00058	1.91E-05	decreasing	0
LPCAT3	BA46	1.68E-07	-0.0006	1.18E-05	decreasing	0
LPHN1	BA46	9.50E-06	-0.0007	2.44E-07	decreasing	0
LPIN1	BA46	1.30E-08	0.000689	3.42E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LRP8	BA46	3.72E-08	-0.0006	9.57E-06	decreasing	1
LRRC16B	BA46	1.61E-15	-0.00086	3.35E-13	decreasing	0
LRRC3B	BA46	1.64E-11	-0.00076	6.53E-09	decreasing	0
LRRC4C	BA46	1.63E-08	-0.00061	8.89E-06	decreasing	0
LRRC7	BA46	1.33E-20	-0.00091	1.67E-14	decreasing	0
LRRK2	BA46	7.01E-08	0.000572	3.34E-05	increasing	0
LRRN3	BA46	8.07E-08	4.25E-05	0.777377	other	0
LRRTM1	BA46	3.88E-10	-0.00079	6.02E-10	decreasing	0
LTBP3	BA46	1.14E-08	0.000794	4.63E-10	increasing	0
LTBP4	BA46	2.02E-07	-0.00077	1.52E-09	decreasing	0
LTK	BA46	1.09E-08	-1.94E-05	0.896674	other	0
LURAP1	BA46	2.08E-08	-0.00074	9.84E-09	decreasing	0
LUZP1	BA46	2.96E-13	0.000807	2.13E-10	increasing	0
LUZP2	BA46	1.35E-10	-0.00082	2.16E-10	decreasing	1
LYN	BA46	1.94E-08	-0.00076	7.86E-09	decreasing	0
LYPD6	BA46	4.71E-05	-0.00072	1.14E-07	decreasing	0
LYPD6B	BA46	1.10E-08	-0.00013	0.37541	other	0
LYST	BA46	6.02E-10	0.000774	1.46E-09	increasing	0
MACROD1	BA46	3.61E-06	0.000709	2.23E-07	increasing	0
MAF	BA46	6.07E-10	-0.00074	1.44E-08	decreasing	0
MAG	BA46	4.93E-10	0.000764	2.96E-09	increasing	0
MAGI1	BA46	8.62E-07	-0.00072	1.25E-07	decreasing	0
MAN2A2	BA46	1.01E-14	0.000868	8.87E-13	increasing	0
MAN2C1	BA46	1.67E-12	0.00084	8.33E-12	increasing	0
MAP1S	BA46	1.19E-08	0.000727	4.47E-08	increasing	0
MAP2K1	BA46	1.21E-07	0.00075	2.02E-08	increasing	0
MAP3K6	BA46	7.80E-14	0.000819	7.12E-11	increasing	0
MAP4K2	BA46	6.83E-09	0.000711	1.51E-07	increasing	0
MAP6D1	BA46	4.54E-08	0.000755	1.14E-08	increasing	0
MAP7	BA46	4.78E-12	0.000801	2.16E-10	increasing	0
MAP7D2	BA46	6.15E-08	0.000735	4.99E-08	increasing	0
MAPK10	BA46	1.91E-07	0.000709	9.56E-08	increasing	0
MAPK11	BA46	3.08E-08	-0.00019	0.201367	other	0
MAPK3	BA46	1.84E-07	0.000579	2.88E-05	increasing	0
MAPK8	BA46	1.55E-11	-0.00072	3.60E-08	decreasing	0
MAPK8IP3	BA46	5.16E-07	0.000741	2.96E-08	increasing	0
MAPK9	BA46	4.03E-08	7.21E-05	0.627106	other	0
MAPKAPK2	BA46	1.19E-09	-0.00079	9.47E-10	decreasing	0
MAPRE1	BA46	1.73E-16	-0.00086	2.17E-12	decreasing	0
MARCH1	BA46	7.13E-09	-0.00062	5.89E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MARCH4	BA46	6.06E-14	-0.00087	4.27E-13	decreasing	0
MARCH8	BA46	2.15E-11	0.000784	4.93E-10	increasing	0
MARCKS	BA46	1.12E-09	-0.00069	2.34E-07	decreasing	0
MARCKSL1	BA46	5.62E-12	-0.00071	6.52E-08	decreasing	0
MARVELD1	BA46	7.72E-09	-0.00077	2.26E-09	decreasing	0
MASP1	BA46	1.15E-07	-0.00065	6.85E-07	decreasing	0
MAST2	BA46	8.39E-13	-0.00077	1.43E-09	decreasing	0
MAST3	BA46	5.08E-08	-0.00016	0.294123	other	0
MATN3	BA46	4.29E-12	-0.0008	2.42E-10	decreasing	0
MATN4	BA46	2.13E-07	0.000747	2.94E-08	increasing	0
MAZ	BA46	7.80E-11	-0.00082	6.94E-11	decreasing	0
MBLAC2	BA46	1.86E-07	4.87E-05	0.747402	other	0
MBNL1	BA46	4.62E-08	0.000604	9.56E-06	increasing	0
MBNL2	BA46	1.17E-18	0.000894	1.90E-14	increasing	0
MBOAT2	BA46	3.40E-06	-0.00074	4.72E-08	decreasing	0
MBP	BA46	1.63E-11	0.00078	9.56E-10	increasing	0
MBTPS1	BA46	9.12E-08	0.00067	1.16E-06	increasing	0
MCM6	BA46	9.47E-09	0.000124	0.407121	other	0
MCOLN1	BA46	4.14E-06	-0.00069	2.42E-07	decreasing	0
MDGA1	BA46	1.60E-07	-0.00061	1.59E-05	decreasing	0
MDN1	BA46	2.05E-07	0.000739	4.12E-08	increasing	1
ME2	BA46	8.34E-08	-0.00065	2.83E-06	decreasing	0
MEF2C	BA46	6.33E-08	-0.00051	0.000305	other	0
MEIS3	BA46	1.08E-11	-0.00069	3.60E-07	decreasing	0
MEMO1	BA46	6.39E-07	-0.00077	4.18E-09	decreasing	0
MEOX1	BA46	9.14E-09	-0.00052	1.26E-05	decreasing	0
MET	BA46	7.45E-05	-0.00071	2.31E-07	decreasing	0
MEX3A	BA46	1.15E-07	-0.00053	0.000142	other	0
MEX3B	BA46	7.65E-15	-0.00082	2.42E-11	decreasing	0
MFSD2A	BA46	1.56E-07	-0.00068	6.41E-07	decreasing	0
MFSD4	BA46	2.87E-10	0.000234	0.113219	other	0
MGAT4B	BA46	4.75E-07	-0.00069	2.02E-07	decreasing	0
MGLL	BA46	8.77E-11	-0.00064	3.02E-06	decreasing	0
MICAL2	BA46	3.34E-09	-0.00079	1.27E-09	decreasing	0
MID1	BA46	6.25E-08	-0.00069	5.04E-07	decreasing	0
MID2	BA46	3.27E-06	0.000711	1.80E-07	increasing	0
MKI67	BA46	4.45E-08	-0.0006	1.20E-05	decreasing	0
MKL2	BA46	2.66E-08	0.000232	0.113823	other	0
MKRN3	BA46	1.46E-22	-0.00091	3.58E-15	decreasing	0
MKX	BA46	5.21E-08	0.000365	0.012587	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MLLT4	BA46	7.94E-16	-0.00085	4.22E-12	decreasing	0
MLXIPL	BA46	6.31E-13	-0.00066	2.01E-06	decreasing	0
MMD	BA46	1.16E-19	-0.0009	3.42E-14	decreasing	0
MN1	BA46	6.61E-07	-0.00076	1.26E-08	decreasing	0
MOB1B	BA46	1.94E-09	-0.00073	3.52E-08	decreasing	0
MOB3B	BA46	2.58E-09	-0.00043	0.002437	other	0
MOG	BA46	1.37E-11	0.000788	8.83E-10	increasing	0
MPDZ	BA46	9.57E-13	0.000783	8.17E-10	increasing	0
MPHOSPH8	BA46	1.11E-10	0.000755	5.19E-09	increasing	0
MPP1	BA46	5.19E-15	0.000865	2.06E-12	increasing	0
MPP3	BA46	2.31E-11	-0.00078	5.22E-10	decreasing	1
MPP4	BA46	1.36E-08	8.46E-06	0.954033	other	0
MPP5	BA46	5.29E-09	0.000722	2.87E-08	increasing	0
MPP6	BA46	1.97E-05	-0.00071	1.69E-07	decreasing	0
MPP7	BA46	2.29E-13	0.000697	7.29E-08	increasing	0
MPPED1	BA46	3.61E-09	-0.00073	2.44E-08	decreasing	0
MPRIP	BA46	2.57E-08	-0.00039	0.006455	other	0
MPZL1	BA46	3.10E-06	-0.00072	5.23E-08	decreasing	1
MRC1	BA46	6.15E-08	-0.00077	3.77E-09	decreasing	0
MREG	BA46	1.72E-07	-0.00035	0.014847	other	0
MRPS30	BA46	4.30E-07	0.000709	3.84E-08	increasing	0
MSANTD3	BA46	1.74E-07	-0.00049	0.000557	other	0
MSRA	BA46	8.06E-08	-0.00072	3.60E-08	decreasing	0
MTHFD2L	BA46	1.17E-09	0.000797	9.35E-10	increasing	0
MTPN	BA46	2.33E-09	-0.00073	4.98E-08	decreasing	0
MTSS1	BA46	7.95E-08	-0.00054	9.05E-05	decreasing	0
MXI1	BA46	2.96E-09	0.000689	2.31E-07	increasing	0
MYBBP1A	BA46	1.44E-08	0.000751	1.14E-08	increasing	0
MYCN	BA46	5.40E-09	-0.00058	2.50E-05	decreasing	0
MYH13	BA46	4.31E-09	0.000551	8.04E-05	increasing	0
MYL10	BA46	4.00E-10	0.0001	0.498227	other	0
MYLIP	BA46	3.86E-12	-0.00077	1.85E-09	decreasing	0
MYLK	BA46	2.85E-16	0.000784	2.37E-10	increasing	0
MYO16	BA46	1.46E-27	-0.00092	1.07E-15	decreasing	0
MYO1B	BA46	7.97E-06	-0.0007	2.04E-07	decreasing	0
MYO5B	BA46	5.17E-14	-0.00073	8.60E-09	decreasing	0
MYO5C	BA46	1.80E-07	0.000657	1.46E-06	increasing	0
MYRF	BA46	9.79E-10	0.000808	2.07E-10	increasing	0
N4BP2	BA46	2.24E-07	0.000178	0.227442	other	0
N4BP2L1	BA46	9.61E-11	0.00081	6.77E-11	increasing	0

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N4BP3	BA46	2.16E-07	-0.00064	1.82E-06	decreasing	0
NAA60	BA46	1.81E-09	-0.0008	9.19E-10	decreasing	0
NAB1	BA46	1.38E-05	0.000711	1.82E-07	increasing	0
NADK	BA46	1.90E-08	-0.00082	2.99E-10	decreasing	0
NAP1L5	BA46	7.29E-08	0.000265	0.072216	other	0
NAPEPLD	BA46	1.38E-16	0.000885	1.56E-13	increasing	0
NASP	BA46	1.89E-12	-0.00078	1.97E-09	decreasing	0
NAV1	BA46	3.09E-14	-0.00086	1.61E-12	decreasing	0
NAV2	BA46	2.40E-07	-0.00068	2.31E-07	decreasing	0
NAV3	BA46	1.19E-06	-0.00072	5.30E-08	decreasing	0
NBEA	BA46	1.84E-07	-0.00067	2.47E-07	decreasing	0
NCAN	BA46	3.29E-08	-0.00071	1.06E-07	decreasing	0
NCDN	BA46	7.72E-10	0.000815	2.82E-10	increasing	0
NCKAP1L	BA46	7.51E-08	-0.00076	1.07E-08	decreasing	0
NCKIPSD	BA46	1.21E-21	0.0009	2.30E-15	increasing	0
NCOR1	BA46	2.02E-07	-0.00074	3.63E-08	decreasing	0
NDRG1	BA46	1.30E-08	-0.00064	2.80E-06	decreasing	0
NDRG2	BA46	9.10E-08	9.12E-05	0.538782	other	0
NDUFB9	BA46	6.06E-09	0.000613	6.60E-06	increasing	0
NECAB1	BA46	6.66E-11	0.000817	5.91E-11	increasing	0
NEFH	BA46	1.81E-09	0.0008	5.03E-10	increasing	0
NEFM	BA46	2.00E-07	0.000673	8.53E-07	increasing	0
NEK10	BA46	2.38E-09	-0.00072	6.89E-08	decreasing	1
NETO2	BA46	2.57E-10	-0.00079	6.68E-10	decreasing	0
NEURL1B	BA46	1.79E-17	-0.00089	3.29E-14	decreasing	0
NFIB	BA46	3.40E-08	-0.00077	7.54E-09	decreasing	0
NGB	BA46	9.10E-07	0.000722	1.11E-07	increasing	0
NHSL2	BA46	8.14E-08	0.000637	1.62E-06	increasing	0
NIN	BA46	4.51E-10	-0.00042	0.003556	other	0
NISCH	BA46	2.32E-08	0.000772	2.20E-09	increasing	0
NKAIN2	BA46	6.70E-10	-0.00071	5.87E-08	decreasing	0
NKD1	BA46	1.94E-07	-0.00074	3.88E-08	decreasing	0
NKIRAS2	BA46	3.87E-16	-0.00086	2.91E-12	decreasing	0
NKX3.1	BA46	3.63E-08	0.000766	2.25E-09	increasing	0
NKX6.2	BA46	3.51E-13	0.000757	8.43E-09	increasing	0
NLGN1	BA46	1.31E-10	-0.00078	2.30E-09	decreasing	0
NME7	BA46	5.98E-08	-0.00066	1.78E-06	decreasing	0
NOL4	BA46	7.63E-09	-0.00077	4.75E-09	decreasing	0
NPBWR1	BA46	7.53E-14	-0.00082	1.14E-11	decreasing	0
NPBWR2	BA46	7.85E-09	0.000662	8.82E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
NPHP3	BA46	7.83E-08	0.000651	1.87E-06	increasing	0
NPR3	BA46	5.03E-08	-0.00063	4.46E-06	decreasing	0
NPTX1	BA46	1.26E-15	0.000855	4.13E-12	increasing	0
NPY1R	BA46	1.76E-07	-0.00067	6.10E-07	decreasing	0
NR1H2	BA46	3.80E-11	0.000787	1.11E-09	increasing	0
NR2C2	BA46	6.42E-08	-0.00061	1.02E-05	decreasing	0
NR3C1	BA46	2.32E-16	0.000783	5.33E-10	increasing	0
NR3C2	BA46	2.88E-19	0.000892	2.32E-14	increasing	0
NRAS	BA46	6.22E-12	-0.00078	1.30E-09	decreasing	0
NREP	BA46	1.38E-15	-0.00087	2.95E-13	decreasing	0
NRG3	BA46	3.11E-06	-0.00073	4.05E-08	decreasing	0
NRG4	BA46	1.07E-07	0.000794	1.05E-09	increasing	0
NRP1	BA46	8.16E-07	-0.00074	2.11E-08	decreasing	0
NRXN1	BA46	9.65E-11	-0.00072	3.56E-08	decreasing	0
NRXN2	BA46	6.63E-11	-0.00083	2.11E-11	decreasing	0
NRXN3	BA46	3.83E-08	-0.00057	6.08E-05	decreasing	0
NSD1	BA46	2.97E-08	-0.00066	9.79E-07	decreasing	0
NSF	BA46	1.29E-07	0.000636	2.42E-06	increasing	0
NT5C1A	BA46	6.77E-07	0.000759	1.25E-08	increasing	0
NT5DC1	BA46	1.63E-08	0.000637	3.15E-06	increasing	0
NT5DC2	BA46	1.14E-07	-0.00026	0.082196	other	0
NTM	BA46	1.46E-10	-0.00082	2.10E-10	decreasing	0
NTNG1	BA46	5.50E-08	-0.00079	2.02E-09	decreasing	0
NTSR1	BA46	8.97E-08	-0.00063	3.01E-06	decreasing	0
NTSR2	BA46	3.39E-11	0.000694	2.11E-07	increasing	0
NUB1	BA46	6.75E-07	0.00072	1.97E-08	increasing	0
NUDT3	BA46	5.97E-10	-0.00054	9.89E-05	decreasing	0
NUMA1	BA46	7.23E-11	0.000854	1.51E-11	increasing	0
NUP93	BA46	1.28E-07	0.00021	0.148046	other	0
NWD2	BA46	1.94E-15	-0.00086	1.24E-12	decreasing	0
NYAP2	BA46	1.66E-10	-0.0008	5.15E-10	decreasing	0
OBSCN	BA46	1.00E-07	0.000511	0.000296	other	1
OGDHL	BA46	4.41E-13	0.000812	1.54E-10	increasing	0
OLFM2	BA46	6.14E-08	-0.00079	1.88E-09	decreasing	0
OPALIN	BA46	2.14E-11	0.000773	1.58E-09	increasing	0
OPRK1	BA46	1.23E-09	0.000116	0.426435	other	0
OSBPL6	BA46	1.88E-11	-0.00044	0.002966	other	0
OTUB2	BA46	1.67E-07	-0.00055	7.01E-05	decreasing	0
P2RX7	BA46	3.20E-09	0.000738	1.87E-08	increasing	0
P2RY12	BA46	9.68E-09	-0.00081	3.69E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
P4HTM	BA46	8.03E-07	0.000757	1.57E-08	increasing	0
PABPC1	BA46	1.02E-09	-0.00081	1.70E-10	decreasing	0
PABPC5	BA46	1.09E-07	-0.00049	0.000537	other	0
PACSIN1	BA46	3.08E-08	-0.00039	0.006945	other	0
PACSIN2	BA46	2.17E-08	-0.00034	0.02238	other	0
PACSIN3	BA46	1.53E-07	-0.00061	8.82E-06	decreasing	0
PAK3	BA46	6.40E-09	-0.00066	1.58E-06	decreasing	0
PAK6	BA46	1.21E-08	-0.00081	3.54E-10	decreasing	0
PALMD	BA46	1.57E-07	-0.00051	0.000327	other	0
PAM	BA46	1.20E-09	0.000753	4.28E-09	increasing	0
PAMR1	BA46	2.42E-07	8.37E-05	0.5754	other	0
PANK3	BA46	2.20E-08	-0.0007	1.62E-07	decreasing	0
PANX1	BA46	7.57E-08	0.000274	0.060886	other	0
PAPPA2	BA46	3.50E-08	-0.0005	0.00037	other	0
PAPSS2	BA46	1.51E-08	0.000639	3.40E-06	increasing	0
PARP6	BA46	1.21E-09	-0.00075	6.81E-09	decreasing	1
PASK	BA46	2.73E-11	-0.00057	6.08E-05	decreasing	0
PC	BA46	7.24E-11	0.000774	1.52E-09	increasing	0
PCBD1	BA46	1.72E-08	0.00072	1.88E-08	increasing	0
PCDH10	BA46	1.98E-07	-0.00061	9.49E-06	decreasing	0
PCDH11X	BA46	4.56E-19	-0.00089	9.76E-14	decreasing	0
PCDH15	BA46	1.09E-17	-0.00088	4.80E-14	decreasing	0
PCDH20	BA46	4.55E-11	-0.00074	4.37E-09	decreasing	0
PCDH7	BA46	3.38E-10	-2.14E-05	0.885408	other	0
PCDHB14	BA46	1.07E-11	-0.00081	1.34E-10	decreasing	0
PCGF3	BA46	1.23E-06	-0.00074	2.52E-08	decreasing	0
PCNXL2	BA46	1.39E-09	-0.00014	0.339208	other	0
PCNXL4	BA46	1.13E-07	-0.00067	6.77E-07	decreasing	0
PCSK5	BA46	9.72E-11	-0.00076	2.21E-09	decreasing	0
PDCD2	BA46	9.66E-06	-0.0007	2.52E-07	decreasing	0
PDE1A	BA46	3.16E-07	0.000709	2.20E-07	increasing	0
PDE1B	BA46	2.85E-10	0.000717	5.13E-08	increasing	0
PDE2A	BA46	1.28E-07	-0.00028	0.062611	other	0
PDE3A	BA46	1.63E-09	-0.00079	1.26E-09	decreasing	0
PDE8B	BA46	7.79E-09	5.71E-05	0.700668	other	0
PDGFRA	BA46	4.98E-18	-0.00087	1.23E-12	decreasing	0
PDIA5	BA46	4.20E-08	-0.00054	0.000123	other	0
PDIA6	BA46	5.11E-09	-0.00075	6.69E-09	decreasing	0
PDK1	BA46	1.63E-09	0.000672	2.93E-07	increasing	0
PDK2	BA46	8.80E-08	0.000528	0.000173	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PDK3	BA46	3.17E-09	0.0002	0.175543	other	0
PDLIM2	BA46	8.08E-07	0.000726	4.40E-08	increasing	1
PDZD2	BA46	4.74E-12	0.000777	1.82E-09	increasing	0
PDZD4	BA46	1.71E-07	-0.00036	0.014305	other	0
PDZRN3	BA46	1.35E-13	-0.00083	2.58E-11	decreasing	0
PEA15	BA46	1.94E-08	0.000645	2.21E-06	increasing	0
PEAK1	BA46	5.38E-09	0.000315	0.030664	other	0
PEG3	BA46	1.09E-07	0.000793	1.67E-09	increasing	0
PELI1	BA46	1.34E-08	-0.00034	0.021767	other	0
PELI3	BA46	1.09E-09	0.000749	1.63E-08	increasing	0
PEX5L	BA46	7.25E-08	-0.00026	0.085248	other	0
PFKFB3	BA46	4.63E-08	-0.00012	0.422415	other	0
PFKP	BA46	2.01E-12	0.000826	2.78E-11	increasing	0
PGBD5	BA46	2.11E-09	0.000138	0.35785	other	0
PHACTR1	BA46	3.96E-08	-0.00057	5.41E-05	decreasing	0
PHACTR3	BA46	1.02E-07	-0.00062	7.73E-06	decreasing	0
PHF1	BA46	8.10E-08	0.000703	1.31E-07	increasing	0
PHF14	BA46	1.33E-11	-0.00077	2.48E-09	decreasing	0
PHF20L1	BA46	2.25E-07	-0.00078	2.41E-09	decreasing	0
PHF21A	BA46	6.38E-12	0.000774	5.32E-10	increasing	0
PHKA1	BA46	2.34E-06	-0.00076	1.63E-08	decreasing	0
PHYHD1	BA46	1.18E-07	0.000728	2.78E-08	increasing	0
PHYHIP	BA46	1.73E-07	0.000608	1.05E-05	increasing	0
PI4KA	BA46	1.62E-09	0.000607	1.10E-05	increasing	0
PIEZO2	BA46	1.79E-08	-0.00066	6.56E-07	decreasing	0
PIK3C2B	BA46	1.04E-11	-0.00075	5.80E-09	decreasing	0
PIP4K2A	BA46	7.07E-11	0.00082	6.66E-11	increasing	0
PIP4K2C	BA46	1.54E-08	0.000712	8.33E-08	increasing	0
PIP5K1C	BA46	1.88E-07	-0.0004	0.005822	other	0
PISD	BA46	6.11E-07	0.000782	2.59E-09	increasing	0
PITHD1	BA46	1.65E-08	0.000779	1.35E-09	increasing	0
PITPNC1	BA46	4.27E-15	-0.00086	1.99E-12	decreasing	0
PIWIL1	BA46	8.15E-11	-0.00076	1.75E-09	decreasing	0
PKN1	BA46	1.40E-09	-0.00054	9.27E-05	decreasing	0
PKP1	BA46	1.73E-05	-0.00073	5.98E-08	decreasing	0
PKP4	BA46	4.26E-12	-0.00084	1.10E-11	decreasing	0
PLA2G15	BA46	1.64E-08	-0.00071	9.99E-08	decreasing	0
PLA2G16	BA46	1.24E-09	0.00076	2.64E-09	increasing	0
PLAG1	BA46	5.79E-09	0.000714	8.34E-08	increasing	0
PLCD3	BA46	2.58E-09	-0.00071	2.51E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PLEK	BA46	6.75E-06	0.000714	7.43E-08	increasing	0
PLEKHA1	BA46	1.93E-12	0.000843	6.39E-12	increasing	0
PLEKHA2	BA46	2.43E-10	0.000803	5.51E-11	increasing	0
PLEKHA5	BA46	2.66E-08	-0.00035	0.017013	other	0
PLEKHB1	BA46	1.03E-07	0.00056	3.95E-05	increasing	0
PLEKHG3	BA46	2.29E-09	0.000767	3.02E-09	increasing	0
PLEKHH1	BA46	2.46E-12	0.000802	1.97E-10	increasing	0
PLP1	BA46	2.66E-10	0.000748	1.17E-08	increasing	0
PLXDC1	BA46	9.50E-08	-0.0005	0.000367	other	0
PLXNB3	BA46	2.89E-11	0.000803	3.48E-10	increasing	0
PLXND1	BA46	3.04E-08	-0.00078	2.72E-09	decreasing	0
PM20D2	BA46	7.19E-06	0.000719	1.34E-07	increasing	0
PMEL	BA46	1.58E-07	0.000732	9.37E-09	increasing	0
PMPCB	BA46	3.53E-07	0.000743	1.09E-08	increasing	0
PNCK	BA46	5.27E-07	0.000722	9.22E-08	increasing	0
PNKD	BA46	2.83E-17	0.00088	2.63E-14	increasing	0
PNMAL1	BA46	1.96E-07	0.000659	1.74E-06	increasing	0
PNMAL2	BA46	2.23E-07	0.00075	2.41E-08	increasing	0
PNPLA2	BA46	1.20E-07	0.000718	6.79E-08	increasing	0
PNPLA5	BA46	3.76E-05	0.000702	2.11E-07	increasing	0
PNRC1	BA46	2.24E-16	0.000865	4.51E-13	increasing	0
PODXL2	BA46	1.33E-07	-0.00014	0.348717	other	0
POLG	BA46	3.20E-06	0.000728	5.07E-08	increasing	0
POPDC3	BA46	2.33E-08	0.000775	3.50E-09	increasing	0
POSTN	BA46	1.21E-10	-0.00073	9.23E-09	decreasing	0
POU3F2	BA46	3.88E-07	-0.00075	2.01E-08	decreasing	0
POU3F3	BA46	2.08E-08	-0.00078	2.22E-09	decreasing	0
PPARD	BA46	2.11E-08	-0.00021	0.153287	other	0
PPARGC1A	BA46	1.73E-06	0.000705	4.63E-08	increasing	0
PPEF1	BA46	2.19E-11	-0.0008	7.02E-11	decreasing	0
PPFIA4	BA46	6.37E-09	0.000689	2.75E-07	increasing	0
PPIP5K1	BA46	1.40E-10	0.000715	4.42E-08	increasing	0
PPL	BA46	8.27E-12	0.000857	4.26E-12	increasing	0
PPM1E	BA46	9.76E-13	-0.00082	6.27E-11	decreasing	0
PPM1K	BA46	5.08E-05	0.000707	2.17E-07	increasing	0
PPP1R14C	BA46	3.95E-13	-0.00086	3.08E-12	decreasing	0
PPP1R3C	BA46	1.54E-07	-0.00023	0.113592	other	0
PPP1R3E	BA46	2.25E-10	0.00081	2.14E-10	increasing	0
PPP1R3F	BA46	5.33E-10	0.000722	2.98E-08	increasing	0
PPP2R1A	BA46	6.92E-08	-0.00037	0.010104	other	0

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PPP2R5A	BA46	8.88E-09	-0.00079	1.44E-09	decreasing	0
PPP2R5B	BA46	2.28E-08	-0.00075	8.25E-09	decreasing	0
PPP3CA	BA46	1.90E-07	0.000596	1.32E-05	increasing	0
PPP3CC	BA46	1.51E-09	-0.00067	5.53E-07	decreasing	0
PPP4R4	BA46	5.93E-08	-0.00026	0.073855	other	0
PPP5C	BA46	1.67E-07	-0.00045	0.001674	other	0
PRCD	BA46	6.35E-08	0.000593	2.16E-05	increasing	0
PRDM5	BA46	2.38E-09	0.000793	6.36E-10	increasing	0
PRDM8	BA46	1.63E-05	-0.00072	5.51E-08	decreasing	0
PREPL	BA46	1.52E-07	0.000731	6.98E-08	increasing	0
PREX1	BA46	3.63E-09	-0.00079	1.33E-09	decreasing	0
PRICKLE2	BA46	5.64E-14	-0.00083	1.94E-11	decreasing	0
PRKAG2	BA46	1.91E-07	0.000516	0.000251	other	0
PRKCB	BA46	2.54E-08	-0.00076	1.14E-08	decreasing	0
PRKG2	BA46	3.51E-11	-0.00078	3.39E-09	decreasing	0
PROK2	BA46	1.80E-07	-0.00061	1.37E-05	decreasing	0
PROM1	BA46	2.17E-08	-0.00079	8.57E-10	decreasing	0
PRPF19	BA46	9.75E-11	0.000824	2.11E-11	increasing	0
PRR13	BA46	3.07E-07	0.000714	4.68E-08	increasing	0
PRR5	BA46	6.56E-08	-0.0008	8.65E-10	decreasing	0
PRUNE2	BA46	1.15E-10	0.000752	1.14E-08	increasing	0
PSMC5	BA46	2.94E-11	0.000772	1.76E-09	increasing	0
PTBP3	BA46	2.16E-07	-0.00074	3.62E-08	decreasing	0
PTEN	BA46	4.88E-08	-0.00066	1.33E-06	decreasing	0
PTF1A	BA46	1.71E-10	0.000715	3.33E-08	increasing	0
PTGS1	BA46	4.89E-11	0.000736	1.70E-08	increasing	0
PTK2B	BA46	1.02E-23	0.000924	9.36E-16	increasing	0
PTK7	BA46	1.04E-07	-0.0005	0.000378	other	0
PTMS	BA46	1.30E-05	-0.00071	1.60E-07	decreasing	0
PTN	BA46	3.27E-09	-0.00078	1.44E-09	decreasing	0
PTP4A1	BA46	4.93E-10	-0.00067	7.61E-07	decreasing	0
PTPN13	BA46	2.09E-09	-0.00058	2.89E-05	decreasing	1
PTPN14	BA46	3.13E-12	0.000797	1.97E-10	increasing	0
PTPN5	BA46	4.27E-09	0.000738	2.89E-08	increasing	0
PTPN9	BA46	5.79E-10	-0.00066	1.18E-06	decreasing	0
PTPRA	BA46	1.63E-07	-0.00066	9.93E-07	decreasing	0
PTPRD	BA46	2.52E-13	-0.00085	6.44E-12	decreasing	0
PTPRG	BA46	3.25E-19	-0.00092	9.76E-15	decreasing	0
PTPRJ	BA46	2.46E-09	-0.00082	2.55E-10	decreasing	0
PTPRR	BA46	2.24E-07	-0.00073	8.78E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PURA	BA46	7.07E-09	0.000732	9.05E-09	increasing	0
PURG	BA46	1.05E-11	-0.00081	1.25E-10	decreasing	0
PVRL2	BA46	7.76E-09	-0.00077	2.30E-09	decreasing	0
PVRL3	BA46	1.38E-12	-0.00083	1.02E-10	decreasing	0
PWWP2B	BA46	2.61E-08	0.000599	1.85E-05	increasing	0
PXYLP1	BA46	3.99E-09	0.000707	2.44E-07	increasing	0
PYGM	BA46	8.92E-08	-0.00047	0.000795	other	0
QDPR	BA46	8.55E-14	0.000847	2.82E-12	increasing	0
R3HCC1	BA46	1.93E-10	-0.00074	1.64E-08	decreasing	0
R3HDM1	BA46	9.65E-11	-0.00082	1.70E-10	decreasing	0
R3HDM2	BA46	6.83E-06	-0.00074	5.27E-08	decreasing	0
R3HDM4	BA46	5.87E-10	-0.00076	8.43E-09	decreasing	0
RAB11FIP4	BA46	7.88E-08	-0.00074	3.25E-08	decreasing	0
RAB11FIP5	BA46	4.29E-10	0.000685	3.44E-07	increasing	0
RAB22A	BA46	2.97E-08	0.000727	2.21E-08	increasing	0
RAE1	BA46	6.77E-11	0.000389	0.007319	other	0
RAI14	BA46	2.33E-07	-0.00066	1.13E-06	decreasing	1
RALA	BA46	1.02E-12	-0.0008	4.70E-10	decreasing	0
RALBP1	BA46	8.07E-09	-9.10E-05	0.539591	other	0
RALGPS2	BA46	2.83E-07	-0.00072	5.47E-08	decreasing	1
RALYL	BA46	6.93E-08	0.000709	2.24E-07	increasing	0
RAP1GAP2	BA46	3.74E-15	-0.00085	1.31E-11	decreasing	0
RAPGEF4	BA46	3.27E-11	-0.00018	0.234045	other	0
RASAL2	BA46	3.31E-08	8.12E-05	0.586891	other	0
RASD1	BA46	1.54E-13	0.000783	2.71E-10	increasing	0
RASEF	BA46	1.25E-11	0.000765	3.44E-09	increasing	0
RASGRF2	BA46	8.06E-12	0.000576	3.63E-05	increasing	1
RASL10B	BA46	1.15E-11	-0.00082	3.42E-10	decreasing	0
RASSF10	BA46	1.79E-07	-0.00062	4.08E-06	decreasing	0
RASSF3	BA46	5.71E-09	-0.0007	1.29E-07	decreasing	0
RASSF5	BA46	1.43E-08	0.000315	0.032654	other	0
RAVER2	BA46	3.63E-14	-0.00077	7.76E-10	decreasing	0
RBBP5	BA46	3.74E-05	0.000722	1.05E-07	increasing	0
RBFOX2	BA46	1.11E-13	-0.00081	1.70E-10	decreasing	0
RBPJL	BA46	1.32E-09	0.000726	3.67E-08	increasing	0
RCAN2	BA46	4.34E-16	0.000867	3.60E-13	increasing	0
RCAN3	BA46	3.03E-08	-0.00071	4.97E-08	decreasing	0
RDH10	BA46	1.91E-11	-0.00077	2.51E-09	decreasing	0
REEP1	BA46	2.35E-07	-0.00053	0.000159	other	0
RELN	BA46	2.45E-07	-0.00054	0.000139	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
REPS1	BA46	1.61E-08	0.000668	6.60E-07	increasing	0
REPS2	BA46	4.89E-13	0.000836	7.43E-12	increasing	0
RFC2	BA46	1.85E-07	-0.00073	2.08E-08	decreasing	0
RFFL	BA46	1.47E-06	0.000716	1.41E-07	increasing	0
RFX3	BA46	6.62E-12	-0.00074	1.04E-08	decreasing	0
RGS10	BA46	1.84E-06	-0.00073	6.35E-08	decreasing	0
RGS20	BA46	7.02E-06	-0.00074	4.43E-08	decreasing	0
RGS6	BA46	6.11E-08	-9.51E-05	0.53254	other	0
RGS8	BA46	7.49E-08	-0.00056	4.58E-05	decreasing	1
RHAG	BA46	6.02E-09	-0.00011	0.458954	other	1
RIF1	BA46	1.52E-06	0.000756	7.20E-09	increasing	0
RIIAD1	BA46	1.91E-07	-0.0006	1.47E-05	decreasing	0
RIMBP2	BA46	2.28E-07	-0.0006	2.10E-05	decreasing	0
RIMKLA	BA46	8.41E-07	-0.00077	5.62E-09	decreasing	0
RIMS1	BA46	2.49E-10	-0.00042	0.003554	other	0
RIMS2	BA46	4.53E-10	0.000706	1.13E-07	increasing	0
RIMS3	BA46	1.44E-14	0.000773	2.04E-09	increasing	0
RIMS4	BA46	4.52E-07	-0.00075	8.67E-09	decreasing	0
RLBP1	BA46	4.25E-08	-9.16E-05	0.544261	other	0
RND2	BA46	2.16E-09	0.00075	5.15E-09	increasing	0
RNF111	BA46	1.38E-10	0.000714	8.21E-08	increasing	0
RNF112	BA46	5.77E-08	-0.00078	2.71E-09	decreasing	0
RNF152	BA46	6.32E-19	-0.00088	6.59E-14	decreasing	0
RNF165	BA46	6.07E-14	-0.00087	1.75E-12	decreasing	0
RNMT	BA46	8.41E-07	0.000718	8.81E-08	increasing	0
ROBO1	BA46	5.19E-09	-0.00051	0.000267	other	0
ROBO2	BA46	1.94E-18	-0.00089	3.43E-14	decreasing	0
ROBO3	BA46	7.07E-08	4.92E-05	0.745444	other	0
RORC	BA46	9.81E-14	0.000855	3.42E-12	increasing	0
RPE65	BA46	5.87E-09	-0.00055	9.26E-05	decreasing	0
RPH3A	BA46	5.63E-09	-0.00027	0.063841	other	0
RPS6KA5	BA46	6.35E-08	0.00072	1.26E-07	increasing	0
RPS6KC1	BA46	1.06E-08	0.000737	1.63E-08	increasing	0
RRAS2	BA46	8.44E-15	-0.00086	3.46E-12	decreasing	0
RRN3	BA46	1.16E-08	0.000519	0.000335	other	0
RSAD1	BA46	6.57E-08	0.000805	7.30E-10	increasing	0
RSBN1	BA46	9.74E-08	0.000532	0.000199	other	0
RSPH4A	BA46	7.21E-08	-0.00074	8.91E-09	decreasing	0
RTKN2	BA46	1.63E-06	0.000719	1.29E-07	increasing	0
RUNDC3B	BA46	1.98E-07	0.000202	0.172772	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
RYR1	BA46	7.50E-09	0.000719	7.68E-08	increasing	0
RYR3	BA46	1.95E-16	-0.00087	1.07E-13	decreasing	0
S1PR5	BA46	1.57E-13	0.000846	1.15E-11	increasing	0
SAFB2	BA46	1.84E-07	0.000695	2.95E-07	increasing	0
SBK1	BA46	4.87E-06	-0.00075	2.75E-08	decreasing	0
SCG2	BA46	6.15E-08	-0.00064	5.28E-06	decreasing	0
SCG3	BA46	1.30E-09	-0.00034	0.015921	other	0
SCGB3A1	BA46	5.84E-09	0.000644	1.89E-07	increasing	0
SCN1A	BA46	9.26E-11	0.000838	1.02E-11	increasing	0
SCN1B	BA46	5.28E-20	0.000893	5.31E-15	increasing	0
SCN3A	BA46	3.94E-11	-0.00073	2.71E-08	decreasing	0
SCN4B	BA46	2.61E-08	0.000134	0.377394	other	1
SCUBE1	BA46	9.88E-10	-0.00079	1.46E-09	decreasing	0
SDC3	BA46	2.19E-12	-0.00086	2.38E-12	decreasing	0
SDK1	BA46	8.68E-15	-0.00083	1.46E-11	decreasing	0
SDK2	BA46	3.51E-11	-0.00077	1.90E-09	decreasing	0
SEC14L5	BA46	1.24E-15	0.000852	1.60E-12	increasing	0
SEC24C	BA46	7.70E-08	0.000571	5.97E-05	increasing	0
SEC31B	BA46	1.54E-10	0.00078	1.30E-09	increasing	0
SELPLG	BA46	1.73E-09	-0.00068	6.34E-07	decreasing	0
SEMA3B	BA46	7.27E-07	0.000725	3.95E-08	increasing	0
SEMA3G	BA46	3.34E-09	-0.00067	1.11E-06	decreasing	0
SEMA5B	BA46	3.96E-22	-0.00091	3.11E-14	decreasing	0
SEMA7A	BA46	2.15E-05	0.000719	1.30E-07	increasing	0
SEPT4	BA46	1.04E-16	0.000857	3.38E-13	increasing	0
SERBP1	BA46	1.30E-07	-0.00034	0.01968	other	0
SERINC5	BA46	2.72E-09	-0.00071	7.65E-08	decreasing	1
SERPINA1	BA46	1.00E-10	-0.00077	5.19E-09	decreasing	0
SESTD1	BA46	3.91E-08	-0.00047	0.000959	other	0
SEZ6	BA46	2.39E-12	-0.00085	7.35E-12	decreasing	0
SFMBT2	BA46	2.44E-20	-0.0009	1.42E-15	decreasing	0
SFXN5	BA46	1.58E-07	-0.00038	0.008158	other	0
SGCZ	BA46	6.39E-12	-0.00082	3.91E-11	decreasing	0
SH2B2	BA46	1.99E-07	-0.00069	1.22E-07	decreasing	0
SH2D5	BA46	1.15E-18	0.000893	4.21E-14	increasing	0
SH3BGRL2	BA46	1.10E-11	0.000851	1.99E-11	increasing	0
SH3GL2	BA46	2.06E-08	0.000761	7.54E-09	increasing	0
SH3RF2	BA46	3.17E-12	0.000834	1.47E-11	increasing	0
SH3RF3	BA46	4.53E-20	-0.00091	7.03E-15	decreasing	0
SHANK2	BA46	1.24E-08	-0.00081	3.97E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SHISA9	BA46	5.38E-11	-0.00085	6.01E-12	decreasing	0
SIK1	BA46	1.61E-07	4.43E-05	0.766944	other	0
SIMC1	BA46	2.52E-10	-0.00072	2.86E-08	decreasing	0
SIPA1L1	BA46	1.59E-07	0.000171	0.249023	other	0
SIPA1L2	BA46	1.75E-11	-0.00077	7.76E-09	decreasing	0
SIX4	BA46	2.17E-11	0.000733	1.99E-08	increasing	0
SLA	BA46	3.09E-17	-0.00085	5.70E-13	decreasing	0
SLC16A1	BA46	3.81E-11	-0.00069	4.26E-07	decreasing	0
SLC16A11	BA46	1.88E-07	0.000665	7.59E-07	increasing	0
SLC16A2	BA46	1.00E-07	-0.00072	4.81E-08	decreasing	0
SLC22A23	BA46	8.32E-14	-0.00082	2.56E-11	decreasing	0
SLC23A2	BA46	3.72E-10	-0.00071	9.67E-08	decreasing	0
SLC24A2	BA46	4.38E-08	0.000623	4.23E-06	increasing	0
SLC24A3	BA46	1.25E-10	-0.00072	5.63E-08	decreasing	0
SLC24A4	BA46	3.65E-15	0.000817	1.57E-11	increasing	0
SLC25A23	BA46	2.38E-07	4.07E-05	0.78541	other	0
SLC25A26	BA46	1.28E-07	0.00054	0.000128	other	1
SLC25A27	BA46	2.23E-05	0.000711	1.57E-07	increasing	0
SLC25A45	BA46	4.51E-15	0.000793	6.06E-10	increasing	0
SLC26A11	BA46	1.98E-14	0.000888	3.92E-13	increasing	0
SLC26A5	BA46	8.05E-06	0.000719	5.53E-08	increasing	0
SLC27A2	BA46	7.20E-08	0.000786	2.55E-09	increasing	0
SLC29A4	BA46	1.29E-10	-0.00082	9.91E-11	decreasing	0
SLC2A5	BA46	2.16E-05	-0.00072	1.20E-07	decreasing	0
SLC30A10	BA46	4.84E-15	-0.00086	4.46E-12	decreasing	0
SLC30A3	BA46	2.53E-07	-0.00067	6.10E-07	decreasing	0
SLC35C1	BA46	3.56E-11	-0.00075	1.25E-08	decreasing	0
SLC35F1	BA46	1.57E-07	-0.00049	0.000565	other	0
SLC35F3	BA46	4.85E-08	0.000559	6.74E-05	increasing	0
SLC38A3	BA46	1.42E-05	-0.00072	1.09E-07	decreasing	0
SLC3A1	BA46	2.75E-08	0.000715	1.52E-07	increasing	0
SLC40A1	BA46	5.99E-08	-0.00072	4.18E-08	decreasing	0
SLC44A5	BA46	7.40E-08	-0.00063	1.96E-06	decreasing	0
SLC4A11	BA46	3.35E-08	0.000776	1.92E-09	increasing	0
SLC4A3	BA46	1.24E-10	-0.00083	2.65E-11	decreasing	0
SLC6A7	BA46	1.20E-08	0.000763	8.69E-09	increasing	0
SLC7A14	BA46	7.57E-11	0.000855	1.36E-11	increasing	1
SLC7A8	BA46	9.71E-08	0.000487	0.000651	other	0
SLC8A3	BA46	4.94E-08	-0.00053	0.000148	other	0
SLC9A1	BA46	3.84E-08	0.000535	0.000136	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SLC9A6	BA46	5.12E-08	0.000304	0.040661	other	0
SLCO1C1	BA46	1.47E-08	-0.0008	1.00E-09	decreasing	0
SLCO4A1	BA46	3.28E-11	0.00079	1.54E-09	increasing	0
SLCO5A1	BA46	1.19E-07	3.58E-05	0.811887	other	0
SLIT1	BA46	1.72E-14	-0.00086	7.31E-13	decreasing	0
SLITRK6	BA46	1.80E-07	-0.00064	1.72E-06	decreasing	0
SMAD2	BA46	5.32E-11	-0.00072	8.85E-08	decreasing	0
SMAD5	BA46	1.42E-06	0.000737	1.59E-08	increasing	0
SMARCA2	BA46	1.04E-10	-0.00076	3.71E-09	decreasing	0
SMARCD1	BA46	7.12E-09	-0.00062	6.27E-06	decreasing	0
SMCR8	BA46	7.36E-09	0.000794	1.61E-09	increasing	0
SMOC2	BA46	2.24E-08	5.10E-05	0.731205	other	0
SMPD3	BA46	7.15E-13	-0.00083	1.93E-11	decreasing	0
SMURF2	BA46	1.93E-12	-0.00079	5.24E-10	decreasing	0
SMYD5	BA46	1.02E-11	0.000854	8.64E-12	increasing	0
SNAP25	BA46	1.89E-10	0.000678	3.16E-07	increasing	0
SNCB	BA46	2.71E-09	0.000621	5.67E-06	increasing	0
SNCG	BA46	3.40E-09	0.000641	1.95E-06	increasing	0
SNN	BA46	2.47E-09	0.000821	1.88E-10	increasing	0
SNTB2	BA46	1.86E-07	0.000303	0.037585	other	0
SNTG1	BA46	1.61E-05	-0.00071	2.44E-07	decreasing	0
SNTG2	BA46	1.13E-11	0.000811	9.54E-11	increasing	1
SNX21	BA46	9.82E-07	0.000724	5.32E-08	increasing	0
SNX7	BA46	2.28E-07	-0.00043	0.003162	other	0
SOBP	BA46	2.67E-05	-0.00072	8.05E-08	decreasing	0
SOCS7	BA46	5.21E-10	-0.00078	2.40E-09	decreasing	0
SOHLH1	BA46	1.54E-08	0.000411	0.004419	other	0
SORBS2	BA46	2.45E-16	-0.00091	1.47E-13	decreasing	0
SORT1	BA46	1.56E-10	0.000805	1.05E-10	increasing	0
SOWAHB	BA46	8.14E-13	0.000774	5.36E-10	increasing	0
SOWAHC	BA46	4.70E-10	-0.00072	1.43E-08	decreasing	1
SOX11	BA46	1.56E-21	-0.0009	1.77E-14	decreasing	0
SOX4	BA46	1.57E-16	-0.00089	4.95E-14	decreasing	0
SPATA18	BA46	2.09E-07	0.000754	3.89E-09	increasing	0
SPATA2	BA46	2.23E-06	0.0007	1.32E-07	increasing	0
SPATA20	BA46	1.66E-09	0.000733	8.73E-09	increasing	0
SPATA2L	BA46	3.79E-10	-0.00079	2.02E-10	decreasing	0
SPECC1	BA46	8.72E-10	3.95E-05	0.790239	other	0
SPEF1	BA46	1.46E-08	-0.00061	8.33E-06	decreasing	0
SPG21	BA46	5.03E-07	0.00072	6.91E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SPHKAP	BA46	1.50E-08	-0.00071	1.67E-07	decreasing	0
SPIN3	BA46	5.24E-06	0.000765	7.52E-09	increasing	0
SPIN4	BA46	1.11E-08	-0.00041	0.004729	other	0
SPINK2	BA46	3.93E-11	-0.00078	1.76E-09	decreasing	0
SPINK5	BA46	8.70E-06	-0.00072	1.07E-07	decreasing	0
SPINT1	BA46	1.92E-07	-0.00023	0.121418	other	0
SPNS2	BA46	2.32E-07	0.000619	6.09E-06	increasing	0
SPOCD1	BA46	4.65E-10	0.000647	1.44E-06	increasing	0
SPOCK2	BA46	5.03E-08	0.000749	2.41E-08	increasing	0
SPON1	BA46	8.41E-09	-0.0005	0.000318	other	0
SPRN	BA46	1.40E-08	-0.00077	6.09E-10	decreasing	0
SPSB1	BA46	2.04E-09	0.000831	1.12E-10	increasing	0
SPTB	BA46	6.74E-14	-0.00087	3.14E-12	decreasing	0
SPTBN1	BA46	2.30E-07	-0.00078	1.72E-09	decreasing	0
SPTBN2	BA46	8.14E-10	-0.00056	7.70E-05	decreasing	0
SPTBN5	BA46	2.44E-10	-0.00055	0.000127	other	0
SRD5A1	BA46	2.86E-11	-0.00077	1.13E-09	decreasing	0
SREBF1	BA46	1.15E-09	0.000765	1.98E-09	increasing	0
SRGAP1	BA46	5.72E-09	-0.00065	1.65E-06	decreasing	0
SRGAP2	BA46	1.90E-08	-0.00078	8.35E-10	decreasing	0
SRGAP3	BA46	3.25E-08	-0.00075	5.51E-09	decreasing	0
SRP68	BA46	7.50E-13	0.000776	1.65E-09	increasing	0
SRPX2	BA46	1.46E-08	-0.00071	2.28E-07	decreasing	0
SSBP2	BA46	1.83E-07	-0.00049	0.000647	other	0
SSH1	BA46	4.02E-09	0.000691	1.69E-07	increasing	0
SSH3	BA46	1.02E-11	0.00081	2.41E-10	increasing	0
SSTR1	BA46	9.64E-12	-0.00079	1.05E-10	decreasing	0
SSTR2	BA46	2.04E-09	-0.00066	7.11E-07	decreasing	0
SSTR3	BA46	5.11E-11	0.000762	3.44E-09	increasing	0
ST18	BA46	1.78E-14	0.000867	9.89E-13	increasing	0
ST6GAL2	BA46	9.92E-10	-0.00075	8.08E-09	decreasing	0
ST6GALNAC6	BA46	6.12E-08	-0.00077	7.07E-09	decreasing	0
ST8SIA1	BA46	5.30E-12	0.000818	9.62E-11	increasing	0
ST8SIA2	BA46	6.90E-14	-0.00085	1.51E-12	decreasing	0
ST8SIA4	BA46	8.88E-11	-0.0008	5.13E-10	decreasing	0
ST8SIA5	BA46	3.66E-08	-2.69E-06	0.985726	other	0
STAB1	BA46	2.30E-09	-0.00077	3.30E-09	decreasing	0
STAC2	BA46	5.66E-12	0.00084	1.52E-11	increasing	0
STAMBPL1	BA46	2.79E-14	0.000853	5.44E-13	increasing	0
STARD13	BA46	9.24E-07	0.000729	3.60E-08	increasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
STARD9	BA46	2.27E-07	0.00051	0.000269	other	0
STAT4	BA46	9.67E-06	0.000696	7.82E-08	increasing	0
STAT6	BA46	1.42E-07	0.000745	1.64E-08	increasing	0
STAU2	BA46	4.04E-09	0.000171	0.240999	other	0
STEAP2	BA46	2.92E-14	0.000851	1.87E-12	increasing	0
STEAP3	BA46	3.92E-11	0.000784	7.36E-10	increasing	0
STK17A	BA46	1.10E-08	-0.00077	5.94E-09	decreasing	1
STMN2	BA46	1.74E-07	-0.00051	0.000284	other	0
STRADB	BA46	5.38E-09	-0.00074	1.76E-08	decreasing	0
STRIP2	BA46	5.96E-06	-0.00075	2.54E-08	decreasing	1
STRN4	BA46	4.42E-11	-0.00085	2.18E-11	decreasing	0
STX1A	BA46	2.20E-07	-0.00062	1.16E-05	decreasing	0
SUN2	BA46	1.20E-09	0.000745	4.04E-09	increasing	0
SUPT16H	BA46	2.90E-09	0.000637	4.97E-06	increasing	0
SUPT6H	BA46	1.60E-06	0.000706	1.66E-07	increasing	0
SUSD4	BA46	9.10E-17	0.000872	6.54E-14	increasing	0
SUSD5	BA46	2.11E-09	0.000665	6.17E-07	increasing	0
SV2B	BA46	4.00E-08	0.000768	7.00E-09	increasing	0
SYN2	BA46	3.40E-08	0.000616	7.77E-06	increasing	0
SYN3	BA46	5.20E-09	0.000704	1.71E-07	increasing	0
SYNDIG1	BA46	1.51E-11	0.000697	1.20E-07	increasing	0
SYNGAP1	BA46	1.46E-05	-0.00073	6.09E-08	decreasing	0
SYNJ2	BA46	2.12E-18	0.0009	8.96E-15	increasing	0
SYT14	BA46	1.49E-07	0.00067	8.66E-07	increasing	0
SYT17	BA46	5.68E-12	-0.00081	1.27E-10	decreasing	0
SYT2	BA46	2.65E-13	0.000824	2.11E-11	increasing	0
SYT6	BA46	1.25E-06	-0.00069	9.74E-08	decreasing	0
SYTL1	BA46	4.98E-16	0.000869	9.12E-14	increasing	0
TACR1	BA46	5.47E-08	-0.00044	0.002237	other	0
TACR3	BA46	1.76E-09	0.000669	1.04E-06	increasing	1
TADA2A	BA46	1.45E-07	-0.0007	3.29E-07	decreasing	0
TAF4B	BA46	1.61E-16	0.000858	2.37E-12	increasing	0
TAGLN2	BA46	1.29E-07	-0.00075	2.78E-08	decreasing	0
TAGLN3	BA46	6.23E-08	0.000744	1.67E-08	increasing	0
TAL1	BA46	5.93E-08	-0.00073	7.41E-08	decreasing	0
TAP2	BA46	1.51E-06	0.000732	1.62E-08	increasing	0
TAPBP	BA46	2.51E-08	0.000691	1.63E-07	increasing	0
TARSL2	BA46	3.85E-16	0.000899	1.56E-13	increasing	0
TATDN2	BA46	1.11E-10	-0.00079	1.59E-10	decreasing	0
TBC1D22B	BA46	7.86E-09	-0.00073	4.47E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TBC1D4	BA46	3.28E-08	0.000609	9.02E-06	increasing	0
TBCEL	BA46	1.55E-05	-0.00075	2.36E-08	decreasing	0
TBR1	BA46	7.67E-07	0.000745	3.16E-08	increasing	0
TBX3	BA46	3.29E-08	-0.00082	3.07E-10	decreasing	0
TCEAL6	BA46	4.70E-07	0.000707	6.97E-08	increasing	0
TCF12	BA46	1.03E-07	-0.00018	0.225039	other	0
TCN2	BA46	9.99E-07	-0.00071	1.04E-07	decreasing	0
TCTN1	BA46	2.52E-08	-0.00059	1.20E-05	decreasing	0
TECTA	BA46	1.15E-11	-0.00065	2.98E-06	decreasing	0
TENM3	BA46	2.66E-12	-0.0008	1.78E-10	decreasing	0
TENM4	BA46	2.48E-05	-0.00069	1.79E-07	decreasing	0
TERF2IP	BA46	1.42E-08	0.000748	2.51E-08	increasing	0
TESC	BA46	2.95E-08	0.000306	0.035758	other	0
TESK2	BA46	2.40E-07	0.000169	0.258315	other	0
TESPA1	BA46	8.89E-09	7.37E-05	0.621982	other	0
TET1	BA46	4.39E-13	-0.00082	8.64E-11	decreasing	0
TET2	BA46	6.67E-12	-0.0008	4.42E-10	decreasing	0
TET3	BA46	4.61E-17	-0.00088	1.15E-13	decreasing	0
TEX29	BA46	3.79E-08	0.000362	0.01457	other	0
TEX37	BA46	3.41E-10	-0.00075	3.24E-09	decreasing	0
TF	BA46	5.40E-08	0.000663	6.76E-07	increasing	0
TFAP4	BA46	7.71E-07	0.000767	5.44E-09	increasing	0
TFDP2	BA46	9.12E-11	0.000666	8.63E-07	increasing	0
TFRC	BA46	1.78E-07	-0.00055	9.64E-05	decreasing	0
TGM3	BA46	2.14E-06	-0.00071	3.51E-08	decreasing	1
TGM6	BA46	1.53E-09	-9.34E-05	0.542292	other	0
THBS4	BA46	5.91E-16	0.000778	2.82E-09	increasing	0
THRB	BA46	1.27E-08	0.000683	4.21E-07	increasing	0
THUMPD1	BA46	8.07E-09	0.000473	0.001106	other	0
THYN1	BA46	1.34E-06	0.000766	7.96E-09	increasing	1
TICRR	BA46	2.56E-07	-0.00058	2.08E-05	decreasing	0
TIMD4	BA46	4.02E-08	-0.00064	1.87E-06	decreasing	0
TIMP2	BA46	6.43E-11	-0.00074	8.12E-09	decreasing	0
TLE2	BA46	3.38E-16	0.000871	4.77E-13	increasing	0
TLE3	BA46	2.50E-12	-0.00084	5.50E-12	decreasing	0
TLL1	BA46	1.92E-09	-0.00044	0.002124	other	0
TLR6	BA46	9.24E-06	-0.00072	1.25E-07	decreasing	0
TLR7	BA46	1.09E-06	-0.00074	3.39E-08	decreasing	0
TM9SF2	BA46	1.29E-07	-0.00052	0.00034	other	0
TMCC2	BA46	5.89E-12	0.000823	5.00E-11	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TMED10	BA46	9.35E-10	-8.48E-05	0.575099	other	0
TMEM125	BA46	2.17E-10	0.000763	3.12E-09	increasing	0
TMEM130	BA46	3.06E-10	0.000618	5.25E-06	increasing	0
TMEM132B	BA46	2.96E-14	-0.00082	2.10E-11	decreasing	0
TMEM132D	BA46	2.19E-10	-0.00065	2.98E-06	decreasing	0
TMEM144	BA46	1.64E-09	0.000777	2.67E-09	increasing	0
TMEM151B	BA46	4.77E-09	-0.00081	4.77E-10	decreasing	0
TMEM163	BA46	3.08E-14	-0.00079	4.26E-10	decreasing	0
TMEM164	BA46	2.97E-07	-0.00075	1.82E-08	decreasing	0
TMEM169	BA46	9.10E-09	-0.00068	3.43E-07	decreasing	0
TMEM178A	BA46	7.09E-08	0.000107	0.480287	other	0
TMEM178B	BA46	1.98E-09	-0.00065	1.30E-06	decreasing	0
TMEM192	BA46	2.38E-09	0.000698	1.10E-07	increasing	0
TMEM200B	BA46	1.45E-06	0.000715	1.03E-07	increasing	0
TMEM200C	BA46	4.27E-08	-0.00078	1.21E-09	decreasing	0
TMEM233	BA46	7.41E-06	0.000701	2.48E-07	increasing	0
TMEM235	BA46	2.03E-09	0.000746	2.85E-08	increasing	0
TMEM25	BA46	2.05E-12	0.000781	2.15E-09	increasing	0
TMEM26	BA46	0.000114949	0.000706	2.50E-07	increasing	0
TMEM35	BA46	1.51E-10	0.000174	0.243402	other	0
TMEM38A	BA46	9.59E-10	-0.00068	2.94E-07	decreasing	0
TMEM74	BA46	7.76E-12	-0.00079	1.04E-09	decreasing	0
TMEM86B	BA46	1.28E-07	0.000633	6.03E-06	increasing	0
TMEM88B	BA46	5.30E-09	0.000781	2.25E-09	increasing	0
TMEM8B	BA46	2.30E-07	-0.0006	2.09E-05	decreasing	0
TMEM91	BA46	1.30E-06	0.000737	5.03E-08	increasing	0
TMOD3	BA46	1.14E-07	-0.00063	3.24E-06	decreasing	0
TMPRSS13	BA46	1.81E-09	-0.00073	4.25E-08	decreasing	0
TMTC2	BA46	1.32E-07	0.000687	2.55E-07	increasing	0
TMX4	BA46	9.34E-11	0.000724	5.76E-08	increasing	0
TNC	BA46	1.33E-11	-0.00078	6.24E-10	decreasing	0
TNFRSF14	BA46	2.92E-06	0.000707	1.25E-07	increasing	0
TNFRSF18	BA46	2.07E-05	0.000717	1.43E-07	increasing	0
TNFSF9	BA46	1.18E-10	0.000744	1.68E-08	increasing	0
TNKS2	BA46	2.15E-11	-0.00075	6.53E-09	decreasing	0
TNNC2	BA46	5.27E-11	0.000802	2.52E-10	increasing	0
TNNT2	BA46	4.40E-09	0.000728	2.04E-08	increasing	1
TNRC6A	BA46	1.94E-06	0.000749	2.63E-08	increasing	0
TOLLIP	BA46	6.67E-10	0.00033	0.023998	other	0
TOMM34	BA46	3.44E-12	0.000846	7.12E-12	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TOR1AIP1	BA46	3.07E-09	0.000734	1.39E-08	increasing	0
TP53INP2	BA46	2.53E-07	-0.00076	9.51E-09	decreasing	0
TPD52	BA46	1.09E-10	0.000753	4.32E-09	increasing	0
TPD52L1	BA46	3.82E-14	0.00079	6.44E-10	increasing	0
TPRG1L	BA46	8.89E-12	0.000825	9.11E-11	increasing	0
TRAF3	BA46	3.30E-11	-0.00071	1.66E-07	decreasing	0
TREM2	BA46	5.38E-08	-0.00078	2.72E-09	decreasing	0
TRHDE	BA46	4.46E-08	-0.00077	6.69E-09	decreasing	0
TRIB1	BA46	5.22E-07	-0.00075	1.52E-08	decreasing	0
TRIB2	BA46	1.04E-13	-0.00087	2.08E-12	decreasing	0
TRIM46	BA46	1.61E-08	-0.00073	1.21E-08	decreasing	0
TRIM66	BA46	7.44E-11	0.000758	8.77E-09	increasing	0
TRIM9	BA46	3.82E-11	-0.00085	3.25E-11	decreasing	0
TRIO	BA46	9.68E-16	-0.00088	1.49E-13	decreasing	0
TRPC3	BA46	6.89E-08	-0.00073	4.59E-08	decreasing	0
TRPV2	BA46	4.45E-09	0.000682	3.29E-07	increasing	0
TSHZ2	BA46	1.78E-08	0.000661	1.09E-06	increasing	0
TSPAN14	BA46	4.61E-16	-0.00088	2.38E-13	decreasing	0
TSPAN15	BA46	2.48E-07	0.000377	0.008923	other	0
TSPAN2	BA46	2.39E-07	-0.00043	0.002606	other	0
TSPYL2	BA46	3.59E-18	0.000875	1.54E-13	increasing	0
TTBK2	BA46	5.77E-13	0.000822	2.57E-11	increasing	0
TTC1	BA46	1.63E-10	0.000668	8.51E-07	increasing	0
TTC22	BA46	1.18E-05	0.00072	1.23E-07	increasing	0
TTC38	BA46	3.00E-08	-0.00067	6.97E-07	decreasing	0
TTC40	BA46	4.24E-10	-0.00025	0.092192	other	0
TTC9	BA46	6.37E-08	-0.00054	9.42E-05	decreasing	0
TTC9B	BA46	4.57E-07	-0.00074	2.33E-08	decreasing	1
TTL	BA46	2.11E-09	-0.00079	2.02E-09	decreasing	0
TUBA1A	BA46	4.99E-09	-0.00055	7.66E-05	decreasing	0
TUBB	BA46	1.31E-07	-0.00046	0.001245	other	0
TUFT1	BA46	1.63E-07	0.000688	3.55E-07	increasing	0
TXLNG	BA46	5.03E-08	0.000689	2.32E-07	increasing	0
UBP1	BA46	1.97E-10	0.000583	2.56E-05	increasing	0
UBTD2	BA46	2.31E-09	-0.0007	1.38E-07	decreasing	0
UBXN2B	BA46	1.55E-11	-0.00076	6.38E-09	decreasing	0
UCK2	BA46	2.97E-14	-0.00083	9.17E-12	decreasing	0
UGT3A1	BA46	1.87E-06	0.000696	7.36E-09	increasing	0
UNC13C	BA46	5.46E-11	-0.00086	9.42E-12	decreasing	1
UNC45B	BA46	1.31E-06	0.000737	2.08E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
UNC79	BA46	5.64E-08	-8.78E-05	0.559878	other	0
URM1	BA46	3.52E-08	-0.00075	1.48E-08	decreasing	0
USH1C	BA46	3.61E-11	0.000814	1.58E-10	increasing	0
USP11	BA46	2.10E-08	0.000765	7.48E-09	increasing	0
USP12	BA46	8.56E-13	-0.00086	8.99E-12	decreasing	0
USP28	BA46	1.19E-07	0.000623	8.46E-06	increasing	0
USP45	BA46	4.23E-08	0.000575	2.23E-05	increasing	0
USP46	BA46	5.55E-09	-0.0008	7.81E-10	decreasing	0
USP54	BA46	7.53E-07	0.000698	1.13E-07	increasing	0
USP6NL	BA46	1.16E-08	-0.00055	6.46E-05	decreasing	0
UTRN	BA46	2.94E-08	-0.00072	9.47E-08	decreasing	0
VAMP1	BA46	1.77E-12	0.000811	2.79E-11	increasing	1
VASH1	BA46	6.16E-06	-0.00072	3.91E-08	decreasing	0
VAV2	BA46	2.35E-09	-0.00081	8.16E-11	decreasing	0
VEPH1	BA46	1.05E-12	-0.00077	1.81E-09	decreasing	0
VHL	BA46	2.86E-09	-0.00073	2.27E-08	decreasing	1
VLDLR	BA46	1.52E-09	-0.00071	1.64E-07	decreasing	0
VOPP1	BA46	1.20E-14	-0.00085	6.09E-12	decreasing	0
VPS13A	BA46	9.03E-08	0.000574	3.53E-05	increasing	0
VPS37B	BA46	1.60E-05	-0.00073	5.36E-08	decreasing	0
WAC	BA46	2.20E-09	-6.38E-05	0.667542	other	0
WASL	BA46	4.71E-10	0.000691	1.03E-07	increasing	0
WBP2	BA46	3.62E-11	0.000747	6.24E-09	increasing	0
WBP4	BA46	6.64E-06	0.000691	1.65E-07	increasing	0
WDR1	BA46	2.05E-12	-0.00078	1.28E-09	decreasing	0
WDR6	BA46	1.43E-07	0.000229	0.118871	other	0
WDTC1	BA46	2.92E-09	0.000668	6.62E-07	increasing	0
WEE1	BA46	5.44E-10	-0.00058	4.20E-05	decreasing	0
WFIKKN1	BA46	2.25E-08	-0.00016	0.284026	other	0
WFS1	BA46	2.88E-11	0.000821	5.77E-11	increasing	0
WIPF3	BA46	2.75E-07	0.000785	1.92E-09	increasing	0
WLS	BA46	2.10E-11	-1.00E-05	0.946954	other	0
WNT2	BA46	1.23E-09	0.000655	6.66E-07	increasing	0
WSB2	BA46	1.75E-13	-0.00086	3.04E-12	decreasing	0
WWC1	BA46	8.95E-19	-0.00089	3.47E-14	decreasing	0
WWC2	BA46	1.71E-09	-0.00078	1.29E-09	decreasing	0
XKR4	BA46	6.63E-16	-0.00086	4.89E-13	decreasing	0
XPR1	BA46	4.73E-11	-0.00075	7.14E-09	decreasing	0
XRCC5	BA46	3.74E-08	0.000176	0.236581	other	0
XRN2	BA46	1.04E-08	-0.00064	3.17E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
XYLT1	BA46	7.63E-10	-0.0008	1.65E-10	decreasing	0
YBX1	BA46	1.18E-15	-0.00087	3.40E-13	decreasing	0
YES1	BA46	8.85E-09	-0.00073	3.20E-08	decreasing	0
YPEL1	BA46	9.25E-16	-0.00087	1.84E-13	decreasing	0
YPEL4	BA46	2.00E-08	0.000775	1.38E-09	increasing	0
YWHAB	BA46	1.96E-07	0.000159	0.289663	other	0
ZBED1	BA46	4.05E-05	0.000726	7.40E-08	increasing	0
ZBTB10	BA46	1.08E-11	-0.00073	4.05E-08	decreasing	0
ZBTB16	BA46	4.39E-12	0.000827	1.67E-11	increasing	0
ZBTB18	BA46	5.58E-09	-0.00069	1.41E-07	decreasing	0
ZBTB7C	BA46	1.45E-08	-1.69E-05	0.9093	other	0
ZBTB8A	BA46	2.65E-08	-0.00059	1.40E-05	decreasing	0
ZC4H2	BA46	2.20E-08	-0.00067	5.81E-07	decreasing	0
ZDHHC14	BA46	3.08E-13	-0.00088	1.42E-12	decreasing	0
ZDHHC2	BA46	2.92E-08	-0.00033	0.02128	other	0
ZEB1	BA46	1.38E-07	7.00E-05	0.637483	other	0
ZFAND6	BA46	4.32E-07	-0.00071	1.46E-07	decreasing	0
ZFYVE20	BA46	1.01E-10	0.000795	3.26E-10	increasing	0
ZMYND11	BA46	2.64E-09	-0.0007	2.72E-07	decreasing	0
ZNF106	BA46	8.60E-08	0.000188	0.201732	other	0
ZNF229	BA46	4.98E-16	-0.00086	1.75E-13	decreasing	0
ZNF248	BA46	6.13E-08	0.000782	2.51E-09	increasing	0
ZNF282	BA46	1.99E-07	-9.25E-05	0.532992	other	0
ZNF300	BA46	3.23E-14	-0.0008	6.98E-11	decreasing	0
ZNF331	BA46	4.54E-07	0.000782	2.94E-09	increasing	0
ZNF346	BA46	5.75E-11	-0.0008	7.45E-11	decreasing	0
ZNF395	BA46	1.58E-07	0.000764	1.08E-09	increasing	0
ZNF404	BA46	1.93E-07	-0.00071	1.15E-07	decreasing	0
ZNF436	BA46	4.33E-11	-0.00078	2.20E-09	decreasing	0
ZNF462	BA46	2.78E-06	-0.00074	2.25E-08	decreasing	0
ZNF469	BA46	4.32E-08	0.00024	0.101555	other	1
ZNF483	BA46	1.16E-18	0.000891	7.22E-15	increasing	0
ZNF528	BA46	1.11E-08	-0.00072	1.49E-08	decreasing	0
ZNF540	BA46	3.06E-09	0.00078	1.01E-09	increasing	0
ZNF557	BA46	8.16E-05	0.000706	2.50E-07	increasing	0
ZNF641	BA46	4.16E-10	-0.00072	4.48E-08	decreasing	1
ZNF704	BA46	6.20E-09	-0.00076	3.82E-09	decreasing	0
ZNF711	BA46	5.40E-08	-0.0003	0.046192	other	0
ZNF727P	BA46	2.37E-10	-0.00074	5.70E-09	decreasing	0
ABCA3	Blood	8.08E-10	0.000624	9.72E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ABCC3	Blood	1.40E-07	0.00032	0.033084	other	0
ACVR1C	Blood	4.43E-08	0.000576	5.50E-05	increasing	0
ADAMTS13	Blood	9.57E-08	0.000227	0.135995	other	0
AFMID	Blood	1.57E-07	0.000525	0.000281	other	0
AIFM3	Blood	7.44E-08	0.000341	0.022849	other	1
AKAP12	Blood	9.11E-09	-0.00048	0.000911	other	0
ALDH3B1	Blood	1.54E-09	0.00016	0.296119	other	0
ANGPTL1	Blood	1.58E-08	-0.00054	0.000213	other	0
AR	Blood	2.77E-07	0.000732	7.26E-08	increasing	0
ASB13	Blood	1.36E-07	0.000196	0.196867	other	0
BCL11A	Blood	3.65E-08	-0.00061	1.61E-05	decreasing	0
BEND5	Blood	2.36E-08	-0.00054	0.000136	other	0
BLNK	Blood	3.48E-11	-0.00064	3.95E-06	decreasing	0
BRCA2	Blood	2.32E-07	-0.00055	0.000115	other	0
C1H11orf82	Blood	1.17E-07	-0.00042	0.004274	other	0
CASC5	Blood	1.09E-07	-0.00056	7.56E-05	decreasing	0
CCDC180	Blood	1.28E-07	0.000625	9.78E-06	increasing	0
CD38	Blood	8.43E-09	-0.00059	2.48E-05	decreasing	0
CD72	Blood	4.27E-08	-0.00051	0.000303	other	0
CD79A	Blood	2.08E-07	-0.00041	0.00447	other	0
CDC42BPB	Blood	1.68E-07	0.000185	0.226215	other	0
CDC42BPG	Blood	1.90E-09	0.000495	0.000705	other	0
CDHR2	Blood	2.46E-07	0.000458	0.001878	other	0
CEP131	Blood	7.73E-08	0.000468	0.001432	other	0
CHI3L2	Blood	5.72E-08	-0.00078	4.59E-09	decreasing	0
CLEC17A	Blood	1.32E-07	-0.0004	0.006203	other	0
CLSTN3	Blood	6.01E-08	0.00069	4.89E-07	increasing	0
CR2	Blood	1.59E-08	-0.00066	2.27E-06	decreasing	0
DAPK2	Blood	2.48E-07	0.000689	5.63E-07	increasing	0
DDR1	Blood	4.88E-08	0.000576	5.78E-05	increasing	0
DLL1	Blood	2.37E-10	0.000709	1.99E-07	increasing	0
EBF1	Blood	6.31E-09	-0.00048	0.000872	other	0
EFR3B	Blood	2.55E-07	-6.98E-05	0.649506	other	0
ELK4	Blood	1.61E-11	-0.0004	0.006549	other	0
EPHB2	Blood	2.91E-08	0.000108	0.479213	other	0
EPHB6	Blood	5.15E-08	0.000534	0.000228	other	0
FAM110C	Blood	4.82E-08	0.000761	1.38E-08	increasing	0
FAM129C	Blood	1.84E-07	-0.0005	0.000502	other	0
FAM216B	Blood	3.16E-08	-0.00035	0.019494	other	0
FAM69A	Blood	1.39E-07	-0.00059	2.52E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FCER2	Blood	4.37E-08	-0.00052	0.000259	other	0
FCRL1	Blood	1.30E-07	-0.00045	0.00205	other	0
FCRLA	Blood	1.61E-07	-0.00045	0.001604	other	0
GEN1	Blood	7.79E-08	-0.00055	0.00011	other	0
GPR160	Blood	6.80E-08	-0.00027	0.075089	other	0
HHIPL1	Blood	1.98E-08	0.000138	0.366392	other	0
HNRNPA3	Blood	1.17E-07	-0.00045	0.002252	other	0
HS3ST1	Blood	8.89E-08	-0.00054	0.000156	other	0
IFI6	Blood	4.29E-09	-0.00034	0.025306	other	0
IFNLR1	Blood	1.21E-07	-0.00043	0.00265	other	1
IGF2BP3	Blood	1.48E-07	-0.00052	0.000322	other	0
INADL	Blood	1.99E-08	0.000678	8.67E-07	increasing	0
INPP5E	Blood	5.14E-09	0.000489	0.000845	other	0
JUP	Blood	1.29E-07	-0.0004	0.006566	other	0
KCNA2	Blood	1.22E-07	0.00036	0.014856	other	0
KCNQ5	Blood	2.71E-08	-0.00071	1.48E-07	decreasing	0
KIAA0040	Blood	1.11E-07	-0.00036	0.014713	other	0
KIAA1524	Blood	1.76E-08	-0.00068	8.28E-07	decreasing	0
KIF21A	Blood	1.93E-07	0.000693	3.82E-07	increasing	0
KLHL14	Blood	4.03E-09	-0.00066	2.00E-06	decreasing	0
LATS2	Blood	9.86E-08	9.23E-05	0.538339	other	0
LDB2	Blood	1.35E-07	-0.00057	5.17E-05	decreasing	0
LEF1	Blood	2.15E-07	-0.00056	9.55E-05	decreasing	0
LOC103214438	Blood	2.03E-08	-0.00046	0.001669	other	0
LOC103214439	Blood	5.46E-08	-0.00043	0.003143	other	0
LOC103214991	Blood	8.67E-08	-0.00073	8.55E-08	decreasing	0
LOC103217853	Blood	2.11E-08	-3.76E-07	0.99805	other	0
LOC103218130	Blood	7.38E-07	-0.00074	3.32E-08	decreasing	0
LOC103220571	Blood	4.18E-08	-0.00039	0.007641	other	0
LOC103221838	Blood	4.09E-09	-0.00066	2.03E-06	decreasing	0
LOC103222076	Blood	1.80E-05	-0.0007	2.59E-07	decreasing	0
LOC103222418	Blood	2.36E-08	4.28E-05	0.779213	other	0
LOC103224147	Blood	1.59E-07	0.000282	0.061705	other	0
LOC103225055	Blood	1.83E-09	-0.0001	0.499157	other	0
LOC103225074	Blood	1.17E-08	-6.31E-05	0.680106	other	0
LOC103225142	Blood	5.37E-08	-2.31E-05	0.87638	other	0
LOC103226462	Blood	1.04E-07	0.000117	0.428418	other	0
LOC103229635	Blood	5.26E-08	-0.00069	6.51E-07	decreasing	0
LOC103230929	Blood	1.25E-09	0.000192	0.205963	other	0
LOC103231026	Blood	3.63E-08	0.00034	0.023124	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103231767	Blood	7.64E-10	-5.17E-05	0.735427	other	0
LOC103232315	Blood	1.77E-07	4.84E-05	0.750523	other	0
LOC103232530	Blood	2.47E-07	-2.24E-05	0.883424	other	0
LOC103232593	Blood	2.02E-07	-0.00063	6.01E-06	decreasing	0
LOC103232959	Blood	2.65E-08	-0.00052	0.000254	other	0
LOC103234031	Blood	9.64E-08	0.000746	3.32E-08	increasing	0
LOC103235169	Blood	9.85E-08	0.000252	0.093873	other	0
LOC103237606	Blood	1.22E-07	0.000478	0.000926	other	0
LOC103237774	Blood	2.80E-08	-0.00067	1.51E-06	decreasing	0
LOC103239517	Blood	5.91E-08	7.82E-06	0.959405	other	0
LOC103239668	Blood	1.75E-07	0.000547	0.000144	other	0
LOC103240114	Blood	1.97E-07	-1.31E-07	0.999321	other	0
LOC103241811	Blood	2.94E-08	-0.00045	0.002046	other	0
LOC103242065	Blood	1.42E-07	0.000188	0.203367	other	0
LOC103244408	Blood	9.39E-08	-0.00046	0.00157	other	0
LOC103245978	Blood	3.03E-08	0.000375	0.012135	other	0
LOC103246317	Blood	2.31E-08	-0.00059	3.66E-05	decreasing	0
LOC103246543	Blood	7.38E-08	-0.00049	0.000715	other	0
LOC103248861	Blood	5.37E-06	0.000711	2.13E-07	increasing	0
LRP12	Blood	6.60E-08	-0.0006	2.33E-05	decreasing	0
LTBP3	Blood	1.30E-09	-5.31E-05	0.729359	other	0
LZTFL1	Blood	1.80E-08	-0.00073	5.91E-08	decreasing	0
MAPK1IP1L	Blood	1.60E-07	-0.0004	0.006007	other	0
MBNL3	Blood	4.93E-09	-0.00025	0.087893	other	0
MCF2L	Blood	7.96E-08	9.53E-05	0.534342	other	0
MID2	Blood	1.27E-06	0.000766	1.05E-08	increasing	0
MMP11	Blood	4.87E-09	-0.00018	0.234224	other	0
MS4A1	Blood	9.30E-08	-0.00046	0.001424	other	0
NBEA	Blood	4.08E-08	-0.00058	3.08E-05	decreasing	0
NEK2	Blood	4.13E-08	-0.00039	0.008315	other	0
NETO2	Blood	9.15E-08	-0.00054	0.000126	other	0
NMUR1	Blood	7.46E-08	0.000716	1.56E-07	increasing	0
NREP	Blood	2.36E-09	-0.00081	6.61E-10	decreasing	0
NTN3	Blood	3.70E-08	0.000179	0.240786	other	0
NTRK1	Blood	1.06E-07	-3.08E-05	0.841051	other	0
PAX5	Blood	3.22E-09	-0.00053	0.000223	other	0
PDZD4	Blood	6.59E-07	0.000718	5.33E-08	increasing	0
PGM5	Blood	1.98E-07	0.000675	1.02E-06	increasing	0
PHLDB3	Blood	2.33E-07	0.00034	0.023705	other	0
PLCD1	Blood	5.23E-08	0.000468	0.001419	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PLD2	Blood	9.31E-08	0.000476	0.001177	other	0
PMEPA1	Blood	5.88E-08	-0.00068	5.51E-07	decreasing	0
PPFIA4	Blood	5.41E-08	6.63E-05	0.665763	other	0
PPP1CB	Blood	5.06E-08	-0.00031	0.034605	other	0
PRDM8	Blood	2.40E-08	0.000543	0.00017	other	0
PSAT1	Blood	1.68E-07	-0.00066	1.20E-06	decreasing	0
R3HDM1	Blood	1.93E-08	-0.00046	0.001887	other	0
RAB30	Blood	4.21E-08	-0.00061	1.51E-05	decreasing	0
RALGPS2	Blood	2.16E-08	-0.00051	0.000401	other	0
RAPGEF5	Blood	2.54E-10	-0.00072	1.23E-07	decreasing	0
RFX2	Blood	4.65E-08	-5.32E-05	0.729063	other	0
RIN1	Blood	1.45E-07	0.000343	0.022185	other	0
RIN2	Blood	1.76E-07	-9.06E-05	0.548428	other	0
SCAI	Blood	6.10E-08	-0.00031	0.034368	other	0
SCIN	Blood	1.83E-07	6.63E-05	0.658968	other	0
SEMA4C	Blood	3.62E-08	0.000194	0.202818	other	0
SEMA4F	Blood	2.29E-08	0.000618	1.28E-05	increasing	0
SFRP4	Blood	8.23E-09	-0.00017	0.264873	other	0
SFXN5	Blood	1.27E-07	0.000182	0.232415	other	0
SLC16A10	Blood	8.51E-08	-0.00025	0.099055	other	0
SLC25A10	Blood	8.79E-08	5.36E-05	0.727143	other	0
SLC35E4	Blood	1.37E-07	0.000189	0.216585	other	0
SOX4	Blood	2.59E-08	-0.00075	2.01E-08	decreasing	0
SPTBN5	Blood	2.06E-07	-3.60E-05	0.814449	other	0
ST8SIA1	Blood	9.50E-08	0.000738	4.63E-08	increasing	0
STAB1	Blood	1.25E-09	0.000111	0.469968	other	0
STOX1	Blood	2.04E-07	-0.00056	8.64E-05	decreasing	0
TAF4B	Blood	7.37E-08	-0.00075	3.46E-08	decreasing	0
TBKBP1	Blood	2.39E-07	0.000534	0.000217	other	0
TCF4	Blood	1.78E-07	-0.00049	0.000659	other	0
TCL1A	Blood	6.60E-09	-0.00065	2.60E-06	decreasing	0
TET1	Blood	1.18E-07	-0.00057	6.60E-05	decreasing	0
TIMELESS	Blood	5.49E-08	-2.38E-05	0.876199	other	0
TMEM44	Blood	1.59E-07	0.000432	0.003481	other	0
TPD52	Blood	1.74E-07	-0.00051	0.000314	other	0
TSPAN13	Blood	6.12E-08	-0.00068	6.91E-07	decreasing	0
TSPO2	Blood	1.11E-07	-4.52E-05	0.768144	other	0
VPREB3	Blood	6.12E-10	-0.00057	3.35E-05	decreasing	0
VWA2	Blood	2.00E-07	-0.0004	0.00674	other	0
WNT11	Blood	4.32E-08	0.000717	1.60E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
XKRX	Blood	4.19E-08	-0.00037	0.011613	other	0
ZDHHC21	Blood	2.34E-08	-0.00046	0.001692	other	0
ZNF606	Blood	4.09E-06	-0.00072	1.35E-07	decreasing	0
ZNF709	Blood	1.33E-08	-0.00071	2.70E-07	decreasing	0
AACS	Caudate	1.01E-10	0.000137	0.358733	other	0
AAR2	Caudate	1.24E-08	-0.00022	0.129388	other	0
AARS2	Caudate	4.46E-08	0.000353	0.016358	other	0
AATK	Caudate	1.42E-11	0.000786	1.43E-09	increasing	0
ABCA2	Caudate	2.59E-07	0.000752	9.28E-09	increasing	0
ABCA3	Caudate	3.62E-12	0.000549	0.000138	other	0
ABCA8	Caudate	5.28E-18	0.000846	2.97E-12	increasing	0
ABCB9	Caudate	3.08E-11	0.000686	4.61E-07	increasing	0
ABCC10	Caudate	9.85E-08	0.000161	0.284924	other	0
ABCC8	Caudate	2.27E-08	0.000763	4.02E-09	increasing	1
ABCE1	Caudate	7.50E-07	-0.00071	1.19E-07	decreasing	0
ABCF3	Caudate	6.73E-11	0.000605	1.80E-05	increasing	0
ABCG1	Caudate	1.44E-14	0.000824	1.71E-10	increasing	0
ABCG2	Caudate	7.81E-10	-0.00011	0.469516	other	0
ABHD13	Caudate	1.14E-06	-0.00072	1.04E-07	decreasing	0
ABHD17A	Caudate	8.53E-09	0.000415	0.004495	other	0
ABHD5	Caudate	1.71E-08	-0.00077	3.53E-09	decreasing	0
ABHD8	Caudate	1.75E-09	0.000648	2.37E-06	increasing	0
ABLIM2	Caudate	5.20E-08	0.000615	7.91E-06	increasing	1
ABTB2	Caudate	3.61E-12	0.000667	1.30E-06	increasing	0
ACAD10	Caudate	9.23E-10	0.000759	1.19E-08	increasing	0
ACADS	Caudate	1.19E-07	0.000676	9.41E-07	increasing	0
ACAP3	Caudate	5.78E-09	0.000571	6.65E-05	increasing	0
ACKR1	Caudate	1.94E-08	0.00016	0.274571	other	0
ACO1	Caudate	4.90E-08	0.000351	0.016632	other	1
ACOT11	Caudate	2.27E-14	0.000864	3.43E-12	increasing	0
ACOT7	Caudate	1.72E-07	0.000196	0.194521	other	0
ACSBG1	Caudate	6.88E-07	0.000706	1.30E-07	increasing	0
ACSF3	Caudate	3.36E-10	0.00057	5.95E-05	increasing	0
ACSL4	Caudate	1.90E-08	-0.00077	4.05E-09	decreasing	0
ACSL6	Caudate	2.37E-07	-1.45E-05	0.922416	other	0
ACSM5	Caudate	4.10E-15	0.000864	4.59E-12	increasing	0
ACSS2	Caudate	4.19E-08	0.000687	2.05E-07	increasing	0
ACTA1	Caudate	4.27E-08	0.000765	8.61E-09	increasing	0
ACTB	Caudate	2.22E-07	-0.00032	0.033575	other	0
ACTC1	Caudate	5.00E-09	-0.00066	1.11E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ACTL6B	Caudate	1.23E-09	0.00033	0.027775	other	0
ACTN1	Caudate	1.28E-09	0.000675	2.50E-07	increasing	0
ACTR2	Caudate	2.96E-10	-0.00034	0.01633	other	0
ACTR3	Caudate	2.19E-05	-0.00072	1.17E-07	decreasing	0
ACTR3B	Caudate	2.22E-11	-0.00078	5.19E-09	decreasing	0
ACTR5	Caudate	3.37E-10	0.000594	3.04E-05	increasing	1
ADA	Caudate	4.97E-15	0.000828	5.82E-12	increasing	0
ADAM15	Caudate	1.37E-09	0.000705	2.70E-07	increasing	0
ADAM19	Caudate	1.87E-11	-0.00077	1.58E-09	decreasing	0
ADAM32	Caudate	1.87E-08	0.000696	2.81E-07	increasing	0
ADAM33	Caudate	5.45E-14	0.000863	8.05E-12	increasing	0
ADAM8	Caudate	1.90E-11	0.000817	2.05E-10	increasing	0
ADAMTS10	Caudate	7.64E-10	0.000285	0.048069	other	0
ADAMTS18	Caudate	1.82E-11	-0.00073	4.21E-08	decreasing	1
ADAMTS19	Caudate	2.84E-08	4.21E-05	0.779537	other	0
ADAMTS3	Caudate	2.73E-07	-0.00072	5.54E-08	decreasing	1
ADAMTSL1	Caudate	1.12E-07	-0.00051	0.000243	other	0
ADAMTSL2	Caudate	1.63E-07	-0.0002	0.181782	other	0
ADAP1	Caudate	1.94E-09	0.000564	7.71E-05	increasing	0
ADARB2	Caudate	1.23E-07	0.000135	0.36814	other	0
ADAT3	Caudate	3.32E-07	0.000721	1.17E-07	increasing	0
ADCK3	Caudate	5.73E-10	0.000638	3.81E-06	increasing	0
ADCK4	Caudate	8.11E-09	0.000622	7.68E-06	increasing	0
ADCK5	Caudate	2.56E-10	0.00024	0.110816	other	0
ADCY1	Caudate	2.40E-08	-0.00044	0.002229	other	0
ADCY6	Caudate	7.79E-08	0.000137	0.35559	other	0
ADCY8	Caudate	1.23E-08	-0.00033	0.024421	other	0
ADIPOR2	Caudate	1.94E-10	0.000771	1.81E-09	increasing	0
ADIRF	Caudate	1.61E-09	0.000511	0.000372	other	0
ADO	Caudate	1.05E-07	-0.00021	0.160211	other	0
ADORA1	Caudate	5.39E-12	0.000149	0.313466	other	1
ADRB1	Caudate	2.13E-10	0.000677	6.53E-07	increasing	0
ADRBK1	Caudate	1.92E-08	0.000439	0.002906	other	0
ADSSL1	Caudate	4.64E-13	0.000799	6.57E-10	increasing	0
AES	Caudate	4.26E-08	2.98E-05	0.843197	other	0
AFAP1	Caudate	2.41E-07	-0.00035	0.014216	other	0
AFF1	Caudate	1.07E-07	0.00019	0.201532	other	0
AFF2	Caudate	1.45E-07	-0.00039	0.00915	other	0
AGAP3	Caudate	3.53E-09	0.000735	4.70E-08	increasing	0
AGFG1	Caudate	2.31E-07	-0.0006	2.02E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
AGFG2	Caudate	4.32E-09	0.000416	0.003927	other	0
AGK	Caudate	1.41E-07	-0.00066	9.63E-07	decreasing	1
AGMO	Caudate	3.31E-12	0.000727	6.21E-08	increasing	0
AGO4	Caudate	5.92E-11	-0.00056	8.67E-05	decreasing	0
AGPAT9	Caudate	2.38E-11	0.000606	6.26E-06	increasing	0
AGPS	Caudate	7.43E-08	-0.00076	8.28E-09	decreasing	0
AGT	Caudate	6.03E-13	0.000731	3.68E-08	increasing	1
AHCY	Caudate	2.33E-08	0.000716	2.47E-08	increasing	0
AHCYL2	Caudate	2.90E-08	3.49E-05	0.817967	other	0
AHR	Caudate	8.18E-09	-0.00072	2.36E-08	decreasing	0
AIF1L	Caudate	1.31E-08	0.00069	5.41E-07	increasing	0
AIFM3	Caudate	3.22E-08	0.000501	0.000588	other	0
AIRE	Caudate	2.81E-13	0.00087	2.04E-12	increasing	0
AJAP1	Caudate	1.66E-08	0.000148	0.325113	other	0
AJUBA	Caudate	1.94E-07	-0.00058	2.22E-05	decreasing	0
AKAP2	Caudate	1.31E-07	-0.00012	0.42402	other	0
AKAP8	Caudate	6.29E-12	0.000751	2.06E-08	increasing	0
AKAP9	Caudate	9.18E-09	-0.00076	1.04E-08	decreasing	0
AKR1B1	Caudate	1.39E-10	0.000726	2.30E-08	increasing	0
AKT1	Caudate	8.57E-11	0.000494	0.000705	other	0
AKTIP	Caudate	4.89E-08	5.28E-05	0.723976	other	0
ALAD	Caudate	7.69E-11	0.000697	7.29E-08	increasing	0
ALDH16A1	Caudate	4.30E-09	0.000522	0.000268	other	1
ALDOA	Caudate	3.50E-14	0.000837	2.73E-12	increasing	0
ALDOC	Caudate	2.56E-09	0.000675	4.79E-07	increasing	0
ALG12	Caudate	3.79E-09	0.000663	1.94E-06	increasing	0
ALG3	Caudate	2.59E-07	6.78E-05	0.658238	other	0
ALKBH4	Caudate	5.06E-11	0.00017	0.263932	other	0
ALKBH5	Caudate	1.56E-08	0.000637	5.58E-06	increasing	0
ALKBH7	Caudate	1.20E-07	0.000517	0.000378	other	0
AMBRA1	Caudate	1.91E-09	0.000172	0.250323	other	0
AMDHD2	Caudate	2.77E-13	0.000368	0.012798	other	0
AMER2	Caudate	4.38E-11	0.000804	1.12E-10	increasing	0
AMIGO2	Caudate	4.52E-14	-0.0008	2.15E-10	decreasing	0
AMIGO3	Caudate	2.15E-10	0.000684	6.17E-07	increasing	0
AMPD2	Caudate	1.85E-11	0.000658	1.26E-06	increasing	0
AMT	Caudate	2.42E-07	0.000794	1.14E-09	increasing	0
ANGEL1	Caudate	3.21E-10	0.000711	8.46E-08	increasing	1
ANGPTL1	Caudate	1.35E-07	-0.00072	6.83E-08	decreasing	0
ANGPTL3	Caudate	1.78E-07	-0.00066	2.02E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ANKRA2	Caudate	3.51E-07	-0.0007	1.56E-07	decreasing	0
ANKRD12	Caudate	4.36E-15	-6.14E-05	0.679194	other	0
ANKRD13A	Caudate	7.08E-11	0.000643	3.38E-06	increasing	0
ANKRD13C	Caudate	7.74E-08	-0.00069	1.38E-07	decreasing	0
ANKRD13D	Caudate	5.24E-11	0.000556	0.000107	other	0
ANKRD16	Caudate	4.17E-07	0.000709	2.20E-07	increasing	0
ANKRD23	Caudate	1.61E-09	0.000692	3.34E-07	increasing	0
ANKRD34B	Caudate	1.50E-08	-0.00066	1.82E-06	decreasing	0
ANKRD42	Caudate	2.76E-08	0.00049	0.000688	other	0
ANKRD44	Caudate	1.20E-08	-0.00053	9.95E-05	decreasing	0
ANKRD50	Caudate	2.74E-19	-0.0009	1.83E-14	decreasing	0
ANKRD54	Caudate	1.74E-08	9.18E-05	0.530763	other	0
ANKRD55	Caudate	5.10E-11	-0.00075	1.01E-08	decreasing	0
ANKRD63	Caudate	1.14E-11	0.000294	0.043953	other	0
ANKRD9	Caudate	1.06E-08	0.00056	8.52E-05	increasing	0
ANKS1B	Caudate	1.03E-07	-0.00043	0.002117	other	0
ANKS3	Caudate	8.46E-09	0.000423	0.003277	other	0
ANKZF1	Caudate	1.84E-07	0.000502	0.000386	other	0
ANLN	Caudate	4.42E-11	0.000424	0.003345	other	0
ANO2	Caudate	9.08E-20	0.000896	3.11E-14	increasing	0
ANO7	Caudate	4.71E-08	0.00073	7.40E-08	increasing	0
ANO8	Caudate	9.21E-10	0.000242	0.104472	other	0
ANXA11	Caudate	2.51E-09	0.000558	6.35E-05	increasing	0
AP1M1	Caudate	5.69E-12	0.000208	0.161202	other	0
AP2A2	Caudate	2.93E-11	0.000489	0.00083	other	0
AP2M1	Caudate	5.45E-08	-0.00011	0.477277	other	0
AP3D1	Caudate	9.29E-08	0.000633	6.73E-06	increasing	0
AP3M1	Caudate	9.84E-11	-0.00043	0.003294	other	0
AP3S1	Caudate	3.38E-10	-0.00062	9.00E-06	decreasing	0
AP4M1	Caudate	5.05E-08	0.000262	0.073729	other	0
AP4S1	Caudate	6.05E-08	-0.00076	1.34E-08	decreasing	0
AP5Z1	Caudate	4.94E-10	0.000582	4.60E-05	increasing	1
APAF1	Caudate	4.97E-11	-0.00081	5.46E-10	decreasing	0
APBA2	Caudate	5.27E-12	0.000339	0.020449	other	0
APBB1	Caudate	1.74E-09	0.000607	1.82E-05	increasing	0
APC	Caudate	2.03E-07	-0.00075	3.08E-08	decreasing	0
APC2	Caudate	1.93E-11	0.000368	0.013061	other	0
APEH	Caudate	3.68E-08	0.000559	0.0001	other	0
API5	Caudate	4.11E-10	-0.00025	0.089051	other	0
APLP1	Caudate	7.80E-12	0.000544	0.000165	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
APOC2	Caudate	1.29E-07	0.000343	0.021041	other	1
APOE	Caudate	1.58E-07	0.000569	7.09E-05	increasing	0
AQP1	Caudate	3.16E-17	0.000862	2.77E-12	increasing	0
AR	Caudate	7.70E-10	-0.00082	1.25E-10	decreasing	0
AREL1	Caudate	2.08E-14	-0.00081	2.19E-10	decreasing	0
ARFGAP2	Caudate	2.18E-08	0.000342	0.0217	other	0
ARFRP1	Caudate	2.02E-08	0.000259	0.085768	other	0
ARHGAP10	Caudate	8.02E-06	-0.00074	5.03E-08	decreasing	0
ARHGAP20	Caudate	5.10E-08	-0.00068	8.77E-07	decreasing	0
ARHGAP22	Caudate	5.90E-08	0.0007	3.45E-07	increasing	1
ARHGAP23	Caudate	3.11E-10	0.000826	1.23E-10	increasing	0
ARHGAP27	Caudate	2.23E-13	0.000793	1.20E-10	increasing	0
ARHGAP29	Caudate	1.80E-07	-0.00073	4.60E-08	decreasing	0
ARHGAP39	Caudate	2.24E-08	0.000445	0.001914	other	0
ARHGAP9	Caudate	5.17E-12	0.000825	3.07E-11	increasing	0
ARHGDIB	Caudate	1.24E-07	-0.00042	0.004418	other	0
ARHGDIG	Caudate	1.47E-08	0.000523	0.000318	other	0
ARHGEF10	Caudate	6.13E-14	0.000829	3.09E-11	increasing	0
ARHGEF10L	Caudate	1.05E-09	0.000273	0.069015	other	0
ARHGEF12	Caudate	2.34E-09	-0.00078	3.00E-09	decreasing	0
ARHGEF17	Caudate	4.29E-10	0.000743	3.11E-08	increasing	0
ARHGEF2	Caudate	1.13E-10	-0.00014	0.361579	other	0
ARHGEF37	Caudate	5.98E-11	0.000831	6.96E-11	increasing	0
ARHGEF38	Caudate	2.61E-06	0.000757	1.64E-08	increasing	0
ARIH2	Caudate	2.36E-10	1.29E-05	0.931755	other	0
ARL10	Caudate	3.24E-10	0.000367	0.011122	other	0
ARL15	Caudate	1.38E-07	-0.00075	2.93E-08	decreasing	0
ARL2	Caudate	1.52E-11	0.00071	9.04E-08	increasing	0
ARL4C	Caudate	1.94E-10	-0.00065	8.02E-07	decreasing	0
ARL5B	Caudate	1.72E-11	-0.00082	1.43E-10	decreasing	0
ARL6IP4	Caudate	1.35E-09	0.000583	4.22E-05	increasing	0
ARL8A	Caudate	3.42E-08	-0.00052	0.00023	other	0
ARL8B	Caudate	1.14E-14	-0.00032	0.02389	other	0
ARMC1	Caudate	7.83E-08	-0.0005	0.000577	other	0
ARMC5	Caudate	2.61E-07	0.000446	0.002459	other	0
ARMC6	Caudate	5.34E-11	-3.87E-05	0.791768	other	0
ARMC8	Caudate	5.60E-11	-0.00056	6.30E-05	decreasing	0
ARMCX2	Caudate	1.46E-09	0.000574	4.18E-05	increasing	0
ARMCX5	Caudate	2.21E-08	-0.00062	6.72E-06	decreasing	0
ARPC5L	Caudate	7.39E-10	0.000201	0.172308	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ARRB1	Caudate	3.03E-11	0.000488	0.000852	other	0
ARRDC2	Caudate	5.00E-09	0.000757	9.28E-09	increasing	1
ARRDC4	Caudate	4.13E-08	-0.00068	1.93E-07	decreasing	0
ARSB	Caudate	2.32E-07	-0.00063	7.04E-06	decreasing	0
ARSG	Caudate	8.64E-08	0.000628	5.52E-06	increasing	0
ARVCF	Caudate	3.58E-10	0.000513	0.000206	other	0
ASB1	Caudate	1.25E-09	0.00068	7.73E-07	increasing	0
ASB6	Caudate	4.68E-09	0.000382	0.010553	other	0
ASGR1	Caudate	3.20E-09	0.000737	3.79E-08	increasing	0
ASIC4	Caudate	1.62E-08	1.87E-05	0.899914	other	0
ASL	Caudate	3.86E-15	0.000802	4.37E-10	increasing	0
ASPA	Caudate	7.41E-09	0.000634	3.15E-06	increasing	0
ASPM	Caudate	3.93E-17	-0.00087	5.78E-13	decreasing	0
ASPRV1	Caudate	1.21E-13	0.000824	5.90E-11	increasing	0
ASPSCR1	Caudate	1.04E-09	0.000652	2.94E-06	increasing	0
ASTN2	Caudate	1.79E-09	-0.00032	0.030768	other	0
ASUN	Caudate	4.31E-10	-0.00061	1.47E-05	decreasing	0
ASXL3	Caudate	8.34E-09	-0.00072	2.46E-08	decreasing	0
ATAD1	Caudate	7.70E-06	-0.00071	1.46E-07	decreasing	0
ATF2	Caudate	7.99E-10	-0.00067	1.41E-06	decreasing	0
ATF4	Caudate	5.87E-08	-0.00036	0.014969	other	0
ATF5	Caudate	3.84E-10	0.000155	0.300834	other	0
ATF7IP	Caudate	3.88E-15	-0.00073	3.89E-08	decreasing	0
ATG12	Caudate	6.49E-07	-0.00074	3.16E-08	decreasing	0
ATG13	Caudate	1.51E-08	0.000599	8.48E-06	increasing	0
ATG16L1	Caudate	5.94E-07	-0.0007	2.38E-07	decreasing	0
ATG2A	Caudate	1.21E-08	0.000576	5.58E-05	increasing	0
ATG4D	Caudate	1.79E-10	0.000516	0.000373	other	0
ATG7	Caudate	2.16E-10	0.000711	5.50E-08	increasing	0
ATG9A	Caudate	1.96E-09	0.000676	8.14E-07	increasing	0
ATP10B	Caudate	6.34E-09	0.000771	1.78E-09	increasing	0
ATP10D	Caudate	2.57E-08	-0.00061	6.25E-06	decreasing	0
ATP11B	Caudate	1.85E-07	-0.00065	3.86E-06	decreasing	0
ATP11C	Caudate	2.31E-06	-0.00072	5.46E-08	decreasing	0
ATP13A2	Caudate	5.93E-16	0.0008	1.08E-09	increasing	0
ATP1B3	Caudate	1.87E-07	-0.00042	0.004449	other	0
ATP6V0A2	Caudate	1.16E-07	-0.0005	0.000408	other	0
ATP6V0E2	Caudate	4.78E-08	-0.00014	0.355094	other	0
ATP6V1C1	Caudate	2.37E-07	-9.89E-05	0.513239	other	0
ATP7A	Caudate	2.04E-08	-0.00075	2.08E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ATP9A	Caudate	1.51E-08	0.000444	0.002617	other	0
ATPAF1	Caudate	5.92E-08	0.000621	3.39E-06	increasing	0
ATR	Caudate	7.19E-07	-0.00071	6.85E-08	decreasing	0
ATRIP	Caudate	1.60E-09	0.000187	0.207419	other	0
ATRNL1	Caudate	1.86E-07	-0.00054	7.54E-05	decreasing	0
ATRX	Caudate	2.93E-09	-0.00078	5.48E-09	decreasing	0
ATXN10	Caudate	2.72E-11	-0.00034	0.018683	other	0
ATXN2	Caudate	3.94E-09	7.30E-05	0.628129	other	0
ATXN7L3	Caudate	1.53E-10	0.00032	0.0337	other	0
ATXN7L3B	Caudate	2.90E-08	-0.00065	1.52E-06	decreasing	0
AURKAIP1	Caudate	1.63E-07	0.000392	0.008474	other	0
AVPI1	Caudate	8.17E-08	0.000509	0.000283	other	0
AVPR1A	Caudate	3.01E-08	-0.00052	0.000249	other	0
AXIN1	Caudate	2.22E-10	0.00061	1.59E-05	increasing	0
AZIN1	Caudate	1.24E-10	-0.00077	1.48E-09	decreasing	0
B3GALT2	Caudate	4.83E-13	-0.00082	1.34E-10	decreasing	0
B3GALT6	Caudate	6.51E-11	0.000127	0.394218	other	0
B3GAT1	Caudate	2.51E-07	0.000575	5.74E-05	increasing	0
B3GNT9	Caudate	1.25E-09	0.000371	0.010042	other	0
B3GNTL1	Caudate	1.16E-07	0.000662	1.94E-06	increasing	0
B4GALNT1	Caudate	1.70E-08	0.000719	1.26E-07	increasing	0
B4GALNT4	Caudate	1.95E-11	0.000599	2.29E-05	increasing	0
B4GALT2	Caudate	1.21E-07	0.000189	0.210349	other	0
B4GALT6	Caudate	3.15E-12	-0.00082	1.92E-10	decreasing	0
B4GALT7	Caudate	6.45E-10	0.000311	0.033854	other	0
B9D1	Caudate	6.52E-08	0.00052	0.000338	other	0
B9D2	Caudate	5.82E-09	1.56E-05	0.916368	other	0
BAI1	Caudate	1.71E-08	0.000425	0.003779	other	0
BAI2	Caudate	8.33E-10	0.000342	0.022795	other	0
BAI3	Caudate	8.41E-07	-0.00077	5.00E-09	decreasing	0
BAIAP2L2	Caudate	4.55E-09	0.000804	7.84E-10	increasing	0
BAIAP3	Caudate	8.81E-09	0.000721	7.56E-08	increasing	0
BAMBI	Caudate	1.23E-09	-0.00075	8.90E-09	decreasing	0
BANF1	Caudate	6.56E-09	-0.00011	0.469378	other	0
BANP	Caudate	3.90E-07	0.000709	2.11E-07	increasing	0
BASP1	Caudate	2.46E-08	-0.00073	4.27E-08	decreasing	1
BAZ1B	Caudate	5.66E-08	0.000653	7.47E-07	increasing	0
BBIP1	Caudate	5.01E-07	-0.00075	8.57E-09	decreasing	0
BCAP29	Caudate	4.40E-10	-0.00074	4.97E-08	decreasing	0
BCAR1	Caudate	5.09E-11	0.000453	0.001959	other	0

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BCAT2	Caudate	1.16E-09	0.000771	6.01E-09	increasing	0
BCKDHA	Caudate	1.77E-08	0.000414	0.004954	other	0
BCL11B	Caudate	4.00E-10	-4.60E-05	0.764316	other	0
BCL7A	Caudate	6.52E-10	0.000167	0.268042	other	0
BCL7C	Caudate	9.62E-12	0.000641	3.77E-06	increasing	0
BCLAF1	Caudate	6.31E-09	-0.0006	2.02E-05	decreasing	0
BDP1	Caudate	4.31E-11	-0.00083	1.42E-10	decreasing	0
BEND4	Caudate	3.91E-14	-0.00084	1.86E-11	decreasing	0
BEST1	Caudate	8.18E-09	0.000692	3.37E-07	increasing	1
BHLHE40	Caudate	2.12E-09	0.000281	0.055947	other	0
BHLHE41	Caudate	2.49E-09	0.00024	0.097475	other	0
BHMT	Caudate	8.92E-07	0.000791	8.37E-10	increasing	0
BICD2	Caudate	2.67E-08	0.000515	0.000393	other	0
BIN1	Caudate	3.91E-12	0.000732	3.44E-08	increasing	0
BIN2	Caudate	1.32E-07	-0.00078	2.56E-09	decreasing	0
BIRC2	Caudate	7.10E-07	-0.00073	4.11E-08	decreasing	0
BIRC3	Caudate	1.51E-11	-0.00075	9.68E-09	decreasing	0
BIVM	Caudate	4.16E-09	-0.00068	2.65E-07	decreasing	0
BLOC1S4	Caudate	1.32E-07	-0.00016	0.286445	other	0
BLVRA	Caudate	3.01E-11	0.000762	7.08E-09	increasing	0
BLVRB	Caudate	3.29E-10	0.000752	1.17E-08	increasing	0
BMP1	Caudate	3.31E-08	0.000716	1.20E-07	increasing	0
BMP2K	Caudate	7.83E-09	-0.00056	7.36E-05	decreasing	0
BMPER	Caudate	1.05E-12	-0.00081	1.87E-10	decreasing	0
BMPR1A	Caudate	5.84E-09	-0.00076	5.18E-09	decreasing	0
BOK	Caudate	3.36E-12	0.000824	1.04E-10	increasing	0
BRAF	Caudate	2.15E-09	-0.00046	0.001284	other	0
BRAT1	Caudate	3.35E-10	0.00046	0.001761	other	0
BRCA2	Caudate	4.23E-08	-0.00042	0.003008	other	0
BRD1	Caudate	1.12E-12	0.000668	1.41E-06	increasing	0
BRD9	Caudate	1.16E-08	0.000306	0.038125	other	1
BRF1	Caudate	6.39E-12	0.000586	3.68E-05	increasing	0
BRINP1	Caudate	1.56E-13	-0.00073	4.69E-08	decreasing	0
BRINP3	Caudate	2.24E-08	-0.00068	6.44E-07	decreasing	0
BRMS1L	Caudate	3.74E-09	-0.00078	3.72E-09	decreasing	0
BROX	Caudate	4.29E-09	-0.00066	2.33E-06	decreasing	0
BRPF1	Caudate	2.42E-08	0.000359	0.016259	other	0
BRSK1	Caudate	2.04E-08	0.000528	0.000268	other	0
BRSK2	Caudate	2.01E-08	0.000515	0.000361	other	0
BRWD3	Caudate	1.56E-09	-0.00071	1.86E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
BSG	Caudate	2.73E-09	0.000746	6.78E-09	increasing	0
BSPRY	Caudate	1.11E-07	0.000582	2.61E-05	increasing	0
BTBD1	Caudate	2.86E-06	-0.00074	1.81E-08	decreasing	0
BTBD2	Caudate	2.34E-07	0.000315	0.036438	other	0
BTBD9	Caudate	7.98E-14	0.000756	1.93E-09	increasing	0
BTG3	Caudate	1.61E-09	-0.00059	1.78E-05	decreasing	0
BTNL8	Caudate	2.99E-14	0.000853	6.02E-12	increasing	0
BUB1	Caudate	1.93E-10	-0.00075	6.61E-09	decreasing	0
BUB1B	Caudate	6.32E-08	-0.0004	0.005312	other	0
BVES	Caudate	7.15E-09	0.000784	2.86E-09	increasing	0
BZRAP1	Caudate	5.78E-09	0.000649	3.56E-06	increasing	0
BZW1	Caudate	3.85E-06	-0.00073	3.91E-08	decreasing	0
C10H2orf69	Caudate	3.54E-10	-0.0004	0.0066	other	0
C10H2orf72	Caudate	6.06E-10	0.000607	1.62E-05	increasing	0
C11H12orf10	Caudate	1.83E-07	0.000148	0.328091	other	0
C11H12orf5	Caudate	3.96E-08	-0.00059	3.20E-05	decreasing	0
C12H9orf41	Caudate	2.38E-07	-0.00065	2.22E-06	decreasing	0
C12H9orf69	Caudate	2.32E-08	0.000312	0.038839	other	0
C12H9orf72	Caudate	4.37E-09	-0.00063	7.10E-06	decreasing	0
C12H9orf89	Caudate	1.24E-10	0.000619	9.93E-06	increasing	0
C14H2orf81	Caudate	1.74E-09	0.00077	5.41E-09	increasing	1
C16H17orf100	Caudate	4.17E-09	8.26E-06	0.956643	other	0
C16H17orf59	Caudate	2.87E-08	0.000329	0.026765	other	0
C17H6orf141	Caudate	2.67E-08	0.000119	0.423672	other	0
C17H6orf62	Caudate	3.92E-07	-0.00076	5.72E-09	decreasing	0
C19H22orf29	Caudate	3.71E-09	0.00029	0.048697	other	0
C1H11orf1	Caudate	9.72E-08	0.000562	4.69E-05	increasing	0
C1H11orf30	Caudate	3.71E-08	-0.00016	0.276219	other	0
C1H11orf82	Caudate	2.49E-10	-0.00064	2.07E-06	decreasing	0
C1H11orf87	Caudate	7.35E-12	-0.00083	1.35E-10	decreasing	0
C1H11orf95	Caudate	1.44E-10	0.00044	0.002877	other	0
C1QB	Caudate	1.99E-07	0.000325	0.030137	other	0
C1QL3	Caudate	6.36E-10	0.000703	2.20E-07	increasing	0
C1QTNF4	Caudate	9.20E-12	0.000481	0.001005	other	0
C20H1orf159	Caudate	8.46E-09	0.000502	0.000458	other	0
C20H1orf233	Caudate	5.38E-08	0.00075	2.32E-08	increasing	0
C20H1orf52	Caudate	4.10E-05	-0.00072	1.10E-07	decreasing	0
C21H7orf60	Caudate	1.44E-06	-0.00076	8.83E-09	decreasing	0
C21H7orf73	Caudate	4.69E-11	-0.00056	9.70E-05	decreasing	0
C23H5orf15	Caudate	3.94E-16	-0.00089	4.77E-13	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
C23H5orf24	Caudate	6.52E-07	-0.00073	6.46E-08	decreasing	0
C23H5orf45	Caudate	3.49E-10	0.000439	0.002482	other	0
C24H14orf169	Caudate	9.41E-08	0.000369	0.012933	other	0
C24H14orf80	Caudate	2.76E-08	0.000134	0.376842	other	1
C26H15orf27	Caudate	5.49E-08	-8.97E-05	0.549846	other	0
C26H15orf41	Caudate	6.10E-08	-0.00073	4.23E-08	decreasing	0
C26H15orf59	Caudate	1.07E-07	-5.04E-05	0.742835	other	0
C26H15orf62	Caudate	1.61E-07	0.00057	6.17E-05	increasing	0
C27H4orf48	Caudate	4.86E-08	0.000504	0.000544	other	0
C27H4orf50	Caudate	3.78E-05	0.000697	2.29E-07	increasing	0
C28H7orf26	Caudate	2.35E-11	0.000346	0.018579	other	0
C28H7orf50	Caudate	1.37E-09	0.000553	0.000122	other	0
C2CD2	Caudate	4.94E-08	0.000728	3.29E-08	increasing	0
C2CD4C	Caudate	2.44E-07	0.000552	9.97E-05	increasing	0
C2CD4D	Caudate	6.00E-07	0.000728	7.60E-08	increasing	0
C2H20orf27	Caudate	4.79E-12	0.000719	5.67E-08	increasing	0
C2H21orf2	Caudate	2.54E-08	0.00038	0.010759	other	0
C4H5orf51	Caudate	3.36E-10	-0.00078	2.69E-09	decreasing	0
C5H16orf52	Caudate	1.72E-08	-0.00076	1.56E-08	decreasing	0
C5H16orf86	Caudate	2.55E-08	0.000229	0.131071	other	0
C5H16orf89	Caudate	1.81E-13	0.000705	2.00E-07	increasing	0
C6H19orf10	Caudate	1.27E-07	0.000198	0.187065	other	0
C6H19orf12	Caudate	9.58E-09	0.000616	1.24E-05	increasing	0
C6H19orf60	Caudate	9.02E-11	0.000583	2.50E-05	increasing	0
C6H19orf66	Caudate	4.54E-14	0.000764	5.13E-09	increasing	0
C6H19orf68	Caudate	1.89E-09	0.000688	1.97E-07	increasing	0
C8H8orf34	Caudate	5.55E-15	-0.00082	1.40E-11	decreasing	0
C8H8orf37	Caudate	4.21E-08	-0.00075	7.15E-09	decreasing	0
C8H8orf82	Caudate	2.15E-09	0.000604	2.08E-05	increasing	0
C9H10orf11	Caudate	1.26E-14	0.000848	2.50E-12	increasing	0
C9H10orf118	Caudate	9.95E-10	-0.00075	2.18E-08	decreasing	0
C9H10orf35	Caudate	3.46E-09	0.000703	2.87E-07	increasing	0
C9H10orf62	Caudate	7.23E-06	0.000724	2.53E-08	increasing	0
C9H10orf90	Caudate	3.10E-16	0.000848	1.48E-11	increasing	0
CA10	Caudate	8.01E-15	-0.00087	4.75E-13	decreasing	0
CA12	Caudate	1.78E-07	0.000588	2.05E-05	increasing	0
CA7	Caudate	1.99E-07	0.000667	1.58E-06	increasing	0
CA8	Caudate	3.69E-09	-0.00062	4.23E-06	decreasing	1
CABP1	Caudate	3.59E-17	0.000857	9.57E-12	increasing	0
CACFD1	Caudate	4.18E-10	0.000389	0.006171	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CACNA1F	Caudate	2.06E-07	0.000534	0.000126	other	0
CACNA1H	Caudate	4.33E-09	0.00054	0.000174	other	0
CACNA2D1	Caudate	7.07E-08	-0.00077	6.26E-09	decreasing	0
CACNA2D3	Caudate	5.88E-17	-0.00085	6.24E-12	decreasing	0
CACNA2D4	Caudate	7.62E-12	0.000716	6.58E-08	increasing	0
CACNB2	Caudate	1.58E-09	-0.00011	0.441923	other	0
CACNB3	Caudate	2.67E-10	0.000563	9.00E-05	increasing	0
CACNB4	Caudate	2.89E-08	-0.00052	0.000139	other	0
CACNG5	Caudate	7.42E-08	-0.00055	0.000104	other	0
CACTIN	Caudate	5.07E-10	0.000428	0.003829	other	0
CAD	Caudate	2.01E-11	0.000332	0.022155	other	0
CADM2	Caudate	1.03E-08	-0.00073	7.69E-08	decreasing	0
CADM4	Caudate	8.39E-10	0.000376	0.011719	other	0
CALB1	Caudate	1.55E-07	-0.00023	0.12146	other	0
CALCOCO2	Caudate	1.36E-08	0.000493	0.000578	other	0
CALCRL	Caudate	4.06E-13	-0.00088	2.55E-12	decreasing	0
CALU	Caudate	1.48E-08	-0.00068	8.55E-07	decreasing	0
CALY	Caudate	2.41E-10	0.000782	3.30E-09	increasing	0
CAMK2A	Caudate	4.29E-11	0.000721	4.21E-08	increasing	0
CAMK2D	Caudate	1.04E-09	-0.00074	1.17E-08	decreasing	0
CAMK2N1	Caudate	6.18E-11	-0.00072	1.26E-07	decreasing	0
CAMK4	Caudate	3.14E-10	-0.00081	5.44E-10	decreasing	0
CAMKK1	Caudate	2.57E-19	0.000837	1.08E-11	increasing	0
CAMKK2	Caudate	1.69E-08	0.000552	8.88E-05	increasing	0
CAMKV	Caudate	2.27E-09	0.000478	0.001102	other	0
CAMSAP1	Caudate	1.07E-09	0.000268	0.070404	other	0
CAMSAP3	Caudate	1.58E-10	0.000532	0.000198	other	0
CAND2	Caudate	1.65E-10	0.00064	4.64E-06	increasing	0
CANT1	Caudate	1.98E-11	-0.00017	0.266772	other	0
CAP2	Caudate	2.10E-15	-0.00035	0.014753	other	0
CAPN1	Caudate	1.24E-09	0.000595	2.70E-05	increasing	0
CAPN10	Caudate	1.17E-09	0.000355	0.014927	other	0
CAPN15	Caudate	2.65E-08	0.000503	0.000565	other	0
CAPN2	Caudate	7.22E-08	0.000721	8.20E-08	increasing	0
CAPN3	Caudate	4.15E-08	0.000744	2.42E-08	increasing	1
CAPZB	Caudate	1.76E-09	-0.00053	0.000173	other	0
CARNS1	Caudate	7.40E-16	0.000855	1.21E-12	increasing	0
CASK	Caudate	8.38E-16	-0.00087	6.38E-13	decreasing	0
CASKIN1	Caudate	3.59E-10	0.000752	1.91E-08	increasing	0
CASKIN2	Caudate	1.72E-08	0.000764	5.64E-09	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CASP3	Caudate	1.51E-13	-0.00079	1.92E-09	decreasing	0
CASP6	Caudate	7.68E-08	-0.00065	1.63E-06	decreasing	0
CAST	Caudate	2.23E-10	0.000391	0.006895	other	0
CAV2	Caudate	8.65E-09	-0.00074	5.17E-09	decreasing	0
CBLB	Caudate	9.31E-10	-0.00069	6.43E-07	decreasing	0
CBLL1	Caudate	4.79E-09	-0.00066	1.76E-06	decreasing	0
CBR1	Caudate	6.23E-13	0.000761	6.90E-09	increasing	0
CBS	Caudate	3.59E-09	0.000656	1.90E-06	increasing	0
CBX2	Caudate	2.06E-08	-0.0006	9.89E-06	decreasing	0
CBX7	Caudate	9.33E-17	0.000859	2.92E-13	increasing	0
CBX8	Caudate	1.18E-11	-0.00077	1.86E-09	decreasing	0
CBY3	Caudate	1.02E-08	0.000321	0.029967	other	0
CC2D1A	Caudate	1.41E-11	0.000756	1.68E-08	increasing	0
CC2D1B	Caudate	3.01E-09	0.000483	0.000864	other	0
CCAR1	Caudate	5.32E-08	-0.00064	4.46E-06	decreasing	0
CCAR2	Caudate	1.32E-08	0.000449	0.002323	other	0
CCBL1	Caudate	2.09E-09	0.000616	1.17E-05	increasing	1
CCDC104	Caudate	7.44E-08	-0.00036	0.01553	other	0
CCDC106	Caudate	3.53E-08	0.000193	0.204623	other	0
CCDC136	Caudate	1.81E-10	0.000693	3.01E-07	increasing	0
CCDC14	Caudate	2.66E-08	-0.00075	3.67E-09	decreasing	0
CCDC148	Caudate	1.92E-08	-0.00032	0.028248	other	0
CCDC159	Caudate	7.00E-09	0.000799	9.90E-10	increasing	0
CCDC173	Caudate	2.15E-07	-0.00069	1.08E-07	decreasing	0
CCDC177	Caudate	1.60E-08	0.00021	0.160477	other	0
CCDC22	Caudate	1.80E-08	0.00049	0.000812	other	0
CCDC28A	Caudate	1.88E-07	0.000512	0.00033	other	0
CCDC47	Caudate	3.69E-12	0.000629	2.28E-06	increasing	0
CCDC50	Caudate	1.32E-15	-0.00088	6.24E-13	decreasing	0
CCDC61	Caudate	1.55E-08	0.000579	4.37E-05	increasing	0
CCDC69	Caudate	2.59E-07	0.000551	0.000129	other	0
CCDC78	Caudate	2.05E-09	0.000689	5.53E-07	increasing	0
CCDC85B	Caudate	1.09E-09	0.000452	0.00166	other	0
CCDC85C	Caudate	2.26E-08	0.000311	0.037972	other	0
CCDC9	Caudate	4.15E-06	0.000706	2.56E-07	increasing	0
CCDC90B	Caudate	1.56E-07	-0.00075	1.30E-08	decreasing	0
CCDC94	Caudate	8.87E-08	0.000343	0.02208	other	0
CCHCR1	Caudate	2.40E-10	0.000788	2.35E-09	increasing	0
CCM2	Caudate	2.66E-09	0.000459	0.001225	other	0
CCNC	Caudate	1.61E-05	-0.00074	4.16E-08	decreasing	0

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CCND2	Caudate	1.96E-07	-0.00025	0.084501	other	0
CCND3	Caudate	4.55E-11	0.000788	5.65E-10	increasing	0
CCNG2	Caudate	1.20E-10	-0.00079	1.05E-09	decreasing	0
CCNJ	Caudate	9.89E-09	-0.00059	2.52E-05	decreasing	0
CCP110	Caudate	3.32E-08	0.000473	0.000965	other	0
CCPG1	Caudate	1.84E-08	-0.00025	0.092692	other	0
CCS	Caudate	5.87E-08	0.000538	0.000167	other	0
CCSER1	Caudate	3.75E-10	-0.00071	3.36E-08	decreasing	0
CCSER2	Caudate	9.71E-09	-0.00049	0.000708	other	0
CCT6B	Caudate	3.95E-09	5.74E-05	0.703885	other	0
CD151	Caudate	7.49E-08	0.000427	0.003919	other	0
CD177	Caudate	1.57E-08	0.000228	0.126808	other	0
CD22	Caudate	1.30E-07	0.000739	1.07E-08	increasing	0
CD276	Caudate	1.30E-12	0.000849	1.89E-11	increasing	0
CD2AP	Caudate	3.85E-08	-0.0007	3.12E-07	decreasing	0
CD81	Caudate	1.31E-07	0.000674	1.14E-06	increasing	1
CD83	Caudate	4.86E-09	0.000592	2.02E-05	increasing	0
CDADC1	Caudate	4.48E-08	0.000156	0.299589	other	0
CDAN1	Caudate	2.14E-11	0.000753	1.85E-08	increasing	0
CDC14A	Caudate	2.03E-08	-0.00073	1.39E-08	decreasing	0
CDC14B	Caudate	5.05E-08	0.00037	0.011506	other	0
CDC42	Caudate	4.52E-13	-0.00082	2.18E-10	decreasing	0
CDC42EP1	Caudate	3.35E-14	0.000826	2.95E-11	increasing	0
CDC42EP2	Caudate	3.78E-12	0.000795	2.30E-10	increasing	0
CDC73	Caudate	2.01E-09	-0.00065	3.59E-06	decreasing	0
CDH11	Caudate	1.33E-08	-0.00069	5.68E-07	decreasing	0
CDH13	Caudate	1.10E-15	-0.00087	7.82E-13	decreasing	0
CDH20	Caudate	1.56E-11	0.000759	6.03E-09	increasing	0
CDH22	Caudate	4.38E-10	0.000415	0.005186	other	0
CDH24	Caudate	7.25E-09	0.000406	0.005321	other	0
CDH4	Caudate	4.54E-06	0.000729	6.91E-08	increasing	0
CDHR5	Caudate	2.07E-06	0.000744	3.12E-08	increasing	0
CDK1	Caudate	1.84E-07	-0.00054	9.96E-05	decreasing	0
CDK10	Caudate	7.85E-09	0.000393	0.006223	other	0
CDK11B	Caudate	5.50E-06	0.000708	1.60E-07	increasing	0
CDK18	Caudate	4.58E-07	0.000723	3.64E-08	increasing	0
CDK5R1	Caudate	1.00E-09	-0.00054	0.0001	other	0
CDK5RAP3	Caudate	1.44E-09	0.000783	3.33E-09	increasing	0
CDK9	Caudate	4.80E-08	0.000352	0.013596	other	0
CDKN1C	Caudate	4.43E-10	0.000628	6.08E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CDKN2AIPNL	Caudate	1.02E-07	-0.00056	6.92E-05	decreasing	0
CDKN2D	Caudate	7.07E-11	-6.26E-05	0.669728	other	0
CDR2	Caudate	6.78E-10	0.000634	3.60E-06	increasing	0
CDS1	Caudate	2.31E-09	-0.00029	0.05619	other	0
CDT1	Caudate	5.14E-08	0.000113	0.447498	other	0
CDYL	Caudate	1.36E-15	0.000765	2.80E-09	increasing	0
CEBPA	Caudate	1.39E-14	0.000735	2.58E-08	increasing	0
CEBPB	Caudate	9.14E-12	0.000705	2.36E-07	increasing	0
CELF6	Caudate	7.45E-09	0.00067	3.21E-07	increasing	0
CELSR2	Caudate	2.04E-08	0.000427	0.0039	other	0
CELSR3	Caudate	1.89E-09	0.00056	9.22E-05	increasing	0
CEMP1	Caudate	3.33E-11	0.00038	0.00921	other	0
CENPB	Caudate	3.02E-10	0.000196	0.191765	other	0
CENPF	Caudate	1.19E-08	-0.00053	0.00022	other	0
CENPK	Caudate	1.83E-09	-0.00076	3.57E-09	decreasing	0
CENPV	Caudate	9.38E-09	1.33E-05	0.928903	other	0
CEP131	Caudate	1.90E-11	0.00072	5.40E-08	increasing	0
CEP135	Caudate	1.59E-07	-0.00063	2.17E-06	decreasing	0
CEP162	Caudate	1.45E-07	-0.00062	9.81E-06	decreasing	0
CEP164	Caudate	2.07E-08	0.000355	0.01291	other	0
CEP170	Caudate	6.30E-17	-0.00079	4.79E-10	decreasing	0
CEP170B	Caudate	8.68E-11	0.000751	1.73E-08	increasing	0
CEP250	Caudate	1.54E-10	0.000621	9.23E-06	increasing	0
CEP290	Caudate	4.03E-09	-0.00067	4.87E-07	decreasing	0
CEP85	Caudate	1.23E-10	0.000836	8.02E-11	increasing	0
CEP85L	Caudate	6.11E-17	-0.0009	5.73E-14	decreasing	0
CERCAM	Caudate	4.75E-11	0.00075	2.17E-08	increasing	0
CERK	Caudate	2.10E-07	0.000155	0.30397	other	0
CETN3	Caudate	1.20E-07	-0.00044	0.002857	other	0
CETP	Caudate	5.12E-10	-0.00082	1.44E-10	decreasing	0
CFD	Caudate	2.04E-08	0.000467	0.000987	other	0
CFL1	Caudate	2.54E-07	-1.22E-05	0.936052	other	0
CGGBP1	Caudate	6.76E-11	-0.00072	1.19E-07	decreasing	0
CHADL	Caudate	6.26E-11	0.000501	0.00054	other	0
CHCHD6	Caudate	3.88E-08	0.000446	0.002383	other	0
CHD1	Caudate	1.65E-10	-0.00076	9.44E-09	decreasing	0
CHD3	Caudate	9.54E-08	-0.00021	0.165451	other	0
CHD4	Caudate	4.71E-10	0.000581	4.68E-05	increasing	0
CHD5	Caudate	1.55E-09	0.000227	0.129048	other	0
CHD6	Caudate	7.06E-06	0.000727	4.95E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CHD9	Caudate	3.23E-10	-0.00052	0.000373	other	0
CHDH	Caudate	1.39E-09	0.000778	2.04E-09	increasing	0
CHFR	Caudate	6.20E-09	0.00049	0.000759	other	0
CHGA	Caudate	4.73E-10	-0.00076	2.62E-09	decreasing	0
CHI3L1	Caudate	3.51E-10	0.000544	0.000132	other	0
CHIC1	Caudate	1.50E-09	-0.00041	0.004948	other	0
CHIC2	Caudate	5.86E-08	-0.00074	1.55E-08	decreasing	0
CHL1	Caudate	1.25E-08	-0.00056	5.25E-05	decreasing	1
CHML	Caudate	4.61E-10	-0.00065	2.33E-06	decreasing	0
CHMP1A	Caudate	9.09E-08	0.000128	0.399325	other	0
CHMP4B	Caudate	3.51E-11	3.72E-05	0.799949	other	0
CHMP7	Caudate	1.67E-07	-3.11E-05	0.836213	other	0
CHORDC1	Caudate	5.32E-10	-0.0004	0.006499	other	0
CHP1	Caudate	4.29E-09	-0.00024	0.097419	other	0
CHPF2	Caudate	1.11E-07	0.000352	0.018233	other	0
CHRD	Caudate	2.06E-10	0.000816	2.64E-10	increasing	0
CHRDL1	Caudate	3.49E-08	-0.00061	6.10E-06	decreasing	0
CHRM2	Caudate	2.31E-10	-0.00078	3.50E-09	decreasing	0
CHST10	Caudate	2.44E-08	0.000619	1.14E-05	increasing	0
CHST2	Caudate	1.21E-07	-5.17E-05	0.727765	other	0
CHST7	Caudate	6.81E-12	7.05E-05	0.637132	other	0
CHTF18	Caudate	1.70E-07	0.000592	2.88E-05	increasing	0
CIR1	Caudate	3.16E-08	-0.00032	0.029547	other	0
CISD3	Caudate	2.13E-11	0.000659	1.05E-06	increasing	0
CIT	Caudate	1.89E-08	0.000721	3.01E-08	increasing	0
CKAP2	Caudate	7.73E-08	-0.00073	3.87E-08	decreasing	1
CKAP4	Caudate	1.07E-08	-0.00048	0.000641	other	0
CKB	Caudate	1.67E-09	0.000487	0.000552	other	0
CKMT1B	Caudate	3.97E-09	0.000212	0.1568	other	0
CLASRP	Caudate	6.73E-08	0.000703	2.83E-07	increasing	0
CLCN2	Caudate	3.01E-08	0.000733	5.60E-08	increasing	0
CLCN7	Caudate	1.12E-11	0.000253	0.085048	other	0
CLDND1	Caudate	1.36E-12	0.00079	6.43E-10	increasing	0
CLEC18C	Caudate	8.79E-08	0.000654	2.20E-06	increasing	0
CLIP2	Caudate	8.74E-15	0.000784	2.93E-09	increasing	0
CLMN	Caudate	8.30E-08	0.000549	0.000118	other	0
CLOCK	Caudate	7.54E-11	-0.00078	4.45E-09	decreasing	0
CLPB	Caudate	4.56E-09	-3.89E-05	0.798648	other	0
CLPP	Caudate	1.63E-07	0.000296	0.048256	other	0
CLPX	Caudate	3.43E-09	-0.00077	3.34E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CLRN2	Caudate	5.84E-07	0.000686	1.82E-07	increasing	1
CLUH	Caudate	7.66E-12	0.000493	0.000738	other	0
CLVS1	Caudate	6.58E-08	-0.00055	7.05E-05	decreasing	0
CMPK1	Caudate	1.26E-12	-0.00085	2.11E-12	decreasing	0
CMTM2	Caudate	9.52E-09	0.000719	7.14E-08	increasing	0
CMTM7	Caudate	1.15E-07	-0.00053	0.000149	other	0
CMTR1	Caudate	8.71E-12	0.000279	0.05605	other	0
CNDP1	Caudate	2.30E-19	0.000865	8.39E-13	increasing	0
CNDP2	Caudate	5.89E-06	0.000699	2.07E-07	increasing	1
CNIH1	Caudate	2.24E-07	-0.00071	1.80E-07	decreasing	0
CNOT6L	Caudate	5.82E-08	-0.00072	1.24E-07	decreasing	0
CNPPD1	Caudate	1.22E-07	0.000426	0.003844	other	0
CNPY3	Caudate	1.74E-07	0.000191	0.197274	other	0
CNTN2	Caudate	1.68E-15	0.000849	3.97E-12	increasing	0
CNTN3	Caudate	7.44E-11	-0.0008	1.17E-09	decreasing	0
CNTN4	Caudate	2.33E-10	-0.00083	1.12E-10	decreasing	0
CNTN5	Caudate	1.59E-12	-0.00079	1.35E-10	decreasing	0
CNTN6	Caudate	3.33E-15	-0.00085	6.69E-12	decreasing	0
CNTROB	Caudate	7.35E-08	0.000489	0.000515	other	0
COBL	Caudate	2.64E-08	0.000602	1.47E-05	increasing	0
COCH	Caudate	5.23E-10	0.000573	3.60E-05	increasing	0
COG4	Caudate	1.62E-08	7.89E-05	0.601369	other	0
COG8	Caudate	2.43E-10	0.000467	0.001475	other	0
COL13A1	Caudate	1.72E-09	0.00064	2.47E-06	increasing	0
COL18A1	Caudate	1.86E-08	-0.00019	0.215679	other	0
COL1A2	Caudate	7.81E-14	-0.00065	2.43E-06	decreasing	0
COL3A1	Caudate	4.33E-13	-0.00078	1.32E-09	decreasing	0
COL4A1	Caudate	4.02E-11	-0.00065	2.23E-06	decreasing	0
COL4A2	Caudate	6.83E-12	-8.81E-05	0.558443	other	0
COL4A3BP	Caudate	1.13E-07	-0.00065	3.03E-06	decreasing	0
COL6A1	Caudate	3.78E-11	-0.00023	0.120029	other	0
COL6A2	Caudate	1.43E-09	-0.00034	0.022375	other	0
COL6A5	Caudate	5.40E-08	-0.00064	2.42E-06	decreasing	1
COMMD2	Caudate	1.64E-10	-0.00079	2.24E-10	decreasing	0
COMT	Caudate	5.11E-11	0.000663	1.46E-06	increasing	0
COMTD1	Caudate	4.06E-08	0.000434	0.002886	other	0
COPS2	Caudate	7.80E-10	-0.00062	9.51E-06	decreasing	0
COPS8	Caudate	1.84E-15	-0.00064	3.98E-06	decreasing	0
COQ4	Caudate	1.77E-10	0.000582	2.28E-05	increasing	0
CORO1B	Caudate	2.55E-11	0.000423	0.004248	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CORO2A	Caudate	1.90E-07	-0.00027	0.072758	other	0
CORO2B	Caudate	1.76E-07	0.000585	2.01E-05	increasing	0
CORO6	Caudate	5.54E-11	0.000819	2.57E-10	increasing	0
CORO7	Caudate	2.50E-10	0.000593	2.71E-05	increasing	0
CPA3	Caudate	2.46E-08	0.000795	1.37E-09	increasing	0
CPB1	Caudate	2.18E-23	0.000907	8.51E-15	increasing	0
CPEB1	Caudate	2.03E-25	0.000917	2.25E-15	increasing	0
CPNE6	Caudate	5.00E-08	-0.00027	0.07121	other	0
CPQ	Caudate	9.75E-08	0.000689	3.75E-07	increasing	0
CPS1	Caudate	7.40E-08	0.000742	3.41E-08	increasing	0
CPSF1	Caudate	2.10E-11	0.000608	1.43E-05	increasing	0
CPSF3L	Caudate	7.96E-10	0.000333	0.022605	other	0
CPSF4	Caudate	1.87E-10	0.000549	0.00013	other	0
CPT1A	Caudate	2.03E-07	-0.00017	0.275093	other	0
CPT1C	Caudate	4.30E-09	0.00045	0.002185	other	0
CRAT	Caudate	2.21E-09	0.000532	0.000206	other	0
CRB2	Caudate	1.59E-10	0.000821	1.96E-10	increasing	0
CRB3	Caudate	3.22E-10	0.000744	7.50E-09	increasing	0
CREB1	Caudate	3.29E-10	-0.00075	1.90E-08	decreasing	0
CREM	Caudate	5.22E-09	-0.00081	3.23E-10	decreasing	0
CRIP2	Caudate	1.99E-10	0.000113	0.447089	other	0
CRISPLD1	Caudate	4.75E-11	-0.00065	9.32E-07	decreasing	0
CRTAC1	Caudate	1.32E-07	5.58E-05	0.712075	other	0
CRYAB	Caudate	3.32E-14	0.000456	0.001414	other	0
CRYBB1	Caudate	2.37E-07	-0.0007	2.47E-07	decreasing	0
CRYL1	Caudate	2.82E-11	0.000819	1.39E-10	increasing	0
CRYZL1	Caudate	1.60E-11	-0.00042	0.003941	other	0
CSK	Caudate	1.09E-10	0.000148	0.310466	other	0
CSMD3	Caudate	3.96E-08	-0.00074	2.22E-08	decreasing	0
CSNK1G2	Caudate	4.42E-08	0.000425	0.004119	other	0
CSNK1G3	Caudate	5.92E-07	-0.00071	1.69E-07	decreasing	0
CSNK2A1	Caudate	5.26E-08	-0.00071	1.48E-07	decreasing	0
CSPP1	Caudate	1.06E-12	8.39E-05	0.583555	other	0
CSRNP3	Caudate	2.48E-10	-0.00082	1.70E-10	decreasing	0
CSRP1	Caudate	2.29E-10	0.000638	2.15E-06	increasing	0
CST6	Caudate	2.18E-08	0.000741	2.41E-08	increasing	0
CSTB	Caudate	1.44E-08	9.39E-05	0.532831	other	0
CSTF3	Caudate	6.25E-09	-0.00072	1.35E-07	decreasing	0
CTBP1	Caudate	2.02E-09	0.00044	0.002847	other	0
CTDP1	Caudate	2.67E-09	0.000571	6.44E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CTDSPL2	Caudate	4.68E-08	-0.00067	7.42E-07	decreasing	0
CTHRC1	Caudate	2.48E-07	-0.00058	1.55E-05	decreasing	0
CTNNA1	Caudate	1.90E-08	0.000506	0.000426	other	0
CTNNA2	Caudate	5.63E-08	-0.0006	8.07E-06	decreasing	0
CTNNA3	Caudate	1.47E-18	0.000873	6.09E-14	increasing	0
CTNNBIP1	Caudate	4.56E-12	-0.00016	0.286034	other	0
CTSD	Caudate	1.73E-07	0.00071	1.14E-07	increasing	0
CTSF	Caudate	1.45E-09	0.000653	2.85E-06	increasing	0
CTTN	Caudate	9.67E-09	0.000657	2.01E-06	increasing	0
CTTNBP2	Caudate	4.78E-08	-0.00017	0.234035	other	0
CTTNBP2NL	Caudate	5.22E-11	-0.00066	1.80E-06	decreasing	0
CTU1	Caudate	4.62E-11	3.19E-05	0.829742	other	0
CTXN1	Caudate	8.11E-08	0.000596	1.30E-05	increasing	0
CUL7	Caudate	6.76E-10	0.000507	0.000447	other	0
CUL9	Caudate	3.50E-09	0.000809	5.57E-10	increasing	0
CWC22	Caudate	2.19E-09	-0.00037	0.011143	other	0
CX3CL1	Caudate	2.18E-07	-0.00064	5.67E-06	decreasing	0
CXADR	Caudate	1.07E-18	-0.00085	3.68E-12	decreasing	0
CXCL14	Caudate	2.17E-11	-0.0007	1.10E-07	decreasing	0
CXXC4	Caudate	5.66E-08	-0.00039	0.007949	other	0
CYFIP2	Caudate	5.90E-08	0.000609	5.52E-06	increasing	0
CYLD	Caudate	1.75E-08	-0.00057	5.09E-05	decreasing	0
CYSLTR1	Caudate	1.83E-07	-0.00077	8.13E-09	decreasing	0
D2HGDH	Caudate	6.79E-09	0.000505	0.000458	other	1
DAAM1	Caudate	1.40E-17	-0.00084	3.42E-12	decreasing	0
DAAM2	Caudate	5.85E-09	0.00069	2.18E-07	increasing	1
DAB1	Caudate	2.05E-09	-0.0008	1.50E-09	decreasing	1
DAB2	Caudate	1.69E-11	-0.0008	8.24E-10	decreasing	0
DACH1	Caudate	5.96E-15	-0.00085	1.56E-11	decreasing	0
DACT1	Caudate	3.39E-09	-0.00056	6.96E-05	decreasing	1
DACT2	Caudate	1.87E-09	0.000668	1.06E-06	increasing	0
DACT3	Caudate	1.73E-10	0.00031	0.036638	other	0
DAGLB	Caudate	3.45E-08	0.000646	4.06E-06	increasing	0
DALRD3	Caudate	1.11E-07	0.000397	0.005731	other	0
DAPK2	Caudate	3.37E-07	0.000728	3.80E-08	increasing	0
DAZAP1	Caudate	3.00E-10	0.000721	1.16E-07	increasing	0
DAZAP2	Caudate	4.75E-11	-0.00027	0.063242	other	0
DBNDD1	Caudate	3.01E-08	0.000668	6.71E-07	increasing	1
DBNDD2	Caudate	5.54E-08	0.000197	0.182302	other	0
DBNL	Caudate	4.61E-11	0.000469	0.001399	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DBT	Caudate	1.46E-10	-0.00078	3.55E-09	decreasing	0
DCAF12	Caudate	2.38E-10	-0.00055	0.00012	other	0
DCAF15	Caudate	5.84E-09	0.000237	0.101568	other	0
DCBLD1	Caudate	6.56E-09	-0.00063	2.01E-06	decreasing	0
DCHS1	Caudate	2.19E-10	0.00019	0.202114	other	0
DCK	Caudate	2.44E-08	-0.00074	4.82E-08	decreasing	0
DCLK1	Caudate	3.54E-23	-0.00093	8.80E-15	decreasing	0
DCP1B	Caudate	2.25E-10	-0.00026	0.082636	other	0
DCPS	Caudate	2.59E-08	0.000206	0.168905	other	1
DCST1	Caudate	1.55E-08	0.000703	2.21E-07	increasing	0
DCUN1D1	Caudate	2.90E-09	-0.00073	5.51E-08	decreasing	0
DCUN1D4	Caudate	2.24E-08	-0.00065	2.65E-06	decreasing	0
DCX	Caudate	5.16E-10	-0.00073	3.31E-08	decreasing	0
DDIT4L	Caudate	2.18E-10	7.41E-05	0.621838	other	0
DDR1	Caudate	3.88E-11	0.000412	0.003598	other	0
DDRGK1	Caudate	3.10E-11	0.000629	5.21E-06	increasing	0
DDX1	Caudate	3.48E-09	-0.00059	3.05E-05	decreasing	0
DDX21	Caudate	3.07E-11	-0.0008	1.83E-10	decreasing	0
DDX24	Caudate	2.79E-08	0.00038	0.008326	other	0
DDX39A	Caudate	3.28E-10	0.000169	0.257261	other	0
DDX41	Caudate	1.82E-09	0.000449	0.00214	other	0
DDX42	Caudate	1.81E-07	0.000176	0.234015	other	0
DDX49	Caudate	3.62E-08	-3.94E-05	0.791066	other	0
DDX51	Caudate	3.96E-11	0.000523	0.000256	other	0
DDX53	Caudate	1.08E-08	-0.00075	2.91E-08	decreasing	0
DDX56	Caudate	2.97E-09	0.000389	0.007948	other	0
DEAF1	Caudate	8.24E-09	0.000389	0.00825	other	0
DECR2	Caudate	8.63E-08	0.000545	0.000155	other	0
DEDD2	Caudate	5.85E-08	0.000676	6.31E-07	increasing	0
DEF8	Caudate	1.36E-08	0.000437	0.002909	other	0
DEGS2	Caudate	2.53E-12	0.000816	6.52E-11	increasing	0
DENND1B	Caudate	6.78E-08	-0.00037	0.010528	other	0
DENND4A	Caudate	3.68E-11	-0.00071	1.95E-07	decreasing	0
DENND4B	Caudate	1.25E-07	0.000757	9.89E-09	increasing	0
DENND6B	Caudate	6.23E-11	0.000354	0.01331	other	0
DEPDC5	Caudate	1.47E-10	0.000846	9.32E-12	increasing	0
DERA	Caudate	3.66E-09	-0.00076	1.39E-09	decreasing	0
DGCR14	Caudate	5.52E-09	0.00037	0.012481	other	0
DGCR2	Caudate	6.06E-11	0.000741	1.80E-08	increasing	0
DGCR6	Caudate	6.44E-13	0.000254	0.079815	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DGKA	Caudate	1.09E-15	0.000869	5.40E-13	increasing	0
DGKB	Caudate	1.13E-12	-0.0003	0.035119	other	0
DGKQ	Caudate	1.31E-10	0.000601	2.02E-05	increasing	0
DHCR24	Caudate	2.42E-08	0.000476	0.000828	other	0
DHRS11	Caudate	5.90E-10	0.000425	0.002908	other	0
DHRS13	Caudate	1.58E-11	0.00011	0.457912	other	0
DHTKD1	Caudate	2.80E-09	0.000384	0.009455	other	0
DHX30	Caudate	7.42E-12	0.000522	0.000315	other	0
DHX34	Caudate	4.92E-08	0.000317	0.027236	other	1
DHX35	Caudate	3.53E-08	0.000605	1.82E-05	increasing	0
DHX36	Caudate	1.10E-08	-0.00064	4.53E-06	decreasing	0
DHX37	Caudate	5.89E-11	0.000379	0.00945	other	0
DHX38	Caudate	1.60E-10	0.000536	0.000199	other	0
DHX8	Caudate	4.37E-11	-0.00014	0.350667	other	0
DIAPH1	Caudate	1.98E-08	0.000627	4.86E-06	increasing	0
DIAPH2	Caudate	1.72E-07	-0.0007	3.38E-07	decreasing	0
DIAPH3	Caudate	1.84E-07	-0.00073	5.70E-08	decreasing	0
DIP2C	Caudate	1.01E-10	0.000448	0.002295	other	0
DIRAS2	Caudate	3.55E-10	-0.0008	7.02E-10	decreasing	0
DKK3	Caudate	3.02E-13	0.000684	3.51E-07	increasing	0
DLC1	Caudate	2.74E-06	-0.00071	1.58E-07	decreasing	0
DLD	Caudate	5.06E-13	-0.00061	1.58E-05	decreasing	1
DLG1	Caudate	2.24E-10	-0.00036	0.011781	other	0
DLG2	Caudate	1.23E-11	-0.00083	1.25E-10	decreasing	0
DLG3	Caudate	7.53E-10	-0.00058	3.90E-05	decreasing	0
DLK2	Caudate	5.34E-08	2.29E-05	0.879056	other	0
DLX5	Caudate	1.35E-10	-0.00077	1.24E-09	decreasing	0
DLX6	Caudate	2.00E-07	-0.00058	5.76E-05	decreasing	0
DMAP1	Caudate	4.89E-08	0.000353	0.017833	other	0
DMKN	Caudate	9.64E-14	0.000809	5.12E-11	increasing	0
DNAJA3	Caudate	6.57E-09	0.000481	0.001023	other	0
DNAJB4	Caudate	1.97E-09	-0.00023	0.121925	other	0
DNAJB5	Caudate	9.89E-15	-0.00087	3.34E-12	decreasing	0
DNAJC13	Caudate	6.50E-08	-0.00072	1.38E-07	decreasing	0
DNAJC17	Caudate	1.88E-08	0.000268	0.063358	other	1
DNAJC27	Caudate	5.33E-08	-0.00079	1.98E-09	decreasing	0
DNAJC5	Caudate	1.15E-09	0.000175	0.25095	other	0
DNAJC7	Caudate	5.87E-11	0.000323	0.027467	other	0
DNAL1	Caudate	3.22E-05	-0.0007	1.13E-07	decreasing	0
DNM1	Caudate	1.75E-09	0.00077	3.70E-09	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DNMBP	Caudate	8.66E-11	0.000759	4.16E-09	increasing	0
DNMT3A	Caudate	5.30E-09	0.00024	0.107266	other	0
DNPH1	Caudate	5.86E-08	0.000301	0.041398	other	0
DNTT	Caudate	1.01E-11	0.000763	1.11E-09	increasing	0
DOC2A	Caudate	1.02E-05	0.000726	8.36E-08	increasing	0
DOCK1	Caudate	3.83E-09	0.000782	1.72E-09	increasing	0
DOCK4	Caudate	6.50E-11	-9.32E-05	0.524706	other	0
DOCK5	Caudate	9.40E-19	0.000876	4.19E-14	increasing	0
DOLPP1	Caudate	4.45E-09	-8.23E-05	0.584678	other	0
DPH1	Caudate	2.54E-08	0.000714	1.70E-07	increasing	0
DPYSL2	Caudate	1.28E-07	0.000554	9.29E-05	increasing	0
DPYSL4	Caudate	7.74E-10	7.08E-05	0.635635	other	0
DRAM2	Caudate	7.71E-12	-0.00081	1.82E-10	decreasing	0
DSP	Caudate	1.74E-17	0.000891	1.14E-13	increasing	0
DSTYK	Caudate	5.20E-09	2.07E-05	0.889845	other	0
DTD1	Caudate	8.10E-08	0.000627	4.98E-06	increasing	0
DTL	Caudate	4.08E-09	-0.00064	2.40E-06	decreasing	0
DTNA	Caudate	8.00E-09	-0.00011	0.449043	other	0
DTNBP1	Caudate	2.61E-12	0.000708	6.35E-08	increasing	0
DTWD2	Caudate	1.71E-11	-0.00079	8.65E-10	decreasing	0
DTX2	Caudate	1.29E-09	0.000682	8.11E-07	increasing	0
DTX3	Caudate	5.59E-08	4.49E-05	0.768747	other	0
DUS1L	Caudate	7.01E-11	0.000449	0.002335	other	0
DUS3L	Caudate	2.51E-11	0.000521	0.000297	other	0
DUSP15	Caudate	2.51E-10	0.000193	0.193311	other	0
DUSP16	Caudate	4.07E-09	0.000663	8.61E-07	increasing	0
DUSP4	Caudate	9.63E-08	-0.00073	8.71E-08	decreasing	0
DUSP6	Caudate	3.12E-05	-0.00072	1.19E-07	decreasing	0
DUSP9	Caudate	4.28E-08	0.000642	3.63E-06	increasing	0
DVL1	Caudate	1.47E-09	0.0006	2.28E-05	increasing	0
DVL2	Caudate	6.99E-10	0.000555	6.10E-05	increasing	0
DVL3	Caudate	5.34E-08	0.000593	2.81E-05	increasing	0
DYNC1LI1	Caudate	2.49E-08	-0.00075	9.62E-09	decreasing	0
DYNC1LI2	Caudate	1.74E-07	7.05E-05	0.636994	other	0
DYNLL2	Caudate	4.33E-08	0.000114	0.44415	other	0
DYNLRB1	Caudate	5.33E-08	0.00024	0.101855	other	1
DYRK2	Caudate	1.15E-14	-0.00086	9.85E-13	decreasing	0
DYSF	Caudate	6.57E-08	0.00041	0.005041	other	0
DZIP3	Caudate	1.70E-09	-0.00057	7.85E-05	decreasing	0
E2F2	Caudate	8.48E-08	-0.00043	0.001513	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
E2F3	Caudate	2.17E-09	-0.00062	7.56E-06	decreasing	0
E4F1	Caudate	4.50E-10	0.000411	0.00496	other	0
EBF1	Caudate	9.48E-14	-0.0008	6.99E-11	decreasing	0
EDEM3	Caudate	4.53E-08	-0.00074	2.23E-08	decreasing	0
EDNRA	Caudate	3.94E-08	-0.00054	0.00017	other	0
EDNRB	Caudate	4.11E-09	-0.00072	4.83E-08	decreasing	0
EEA1	Caudate	7.09E-10	-0.00037	0.01103	other	0
EEF1D	Caudate	4.66E-09	0.000575	5.11E-05	increasing	0
EEF2	Caudate	5.91E-11	3.68E-05	0.807047	other	0
EFHD1	Caudate	1.86E-12	0.000733	1.53E-08	increasing	0
EFNA1	Caudate	2.39E-14	0.000826	3.84E-11	increasing	0
EFNB1	Caudate	2.08E-09	0.000157	0.288358	other	0
EFR3A	Caudate	7.36E-09	-0.00042	0.003355	other	0
EGFL6	Caudate	8.16E-09	6.22E-05	0.680417	other	0
EGLN1	Caudate	6.50E-08	0.000215	0.156092	other	0
EGLN2	Caudate	5.12E-10	0.000515	0.000369	other	0
EGR3	Caudate	3.54E-08	-4.41E-05	0.763624	other	0
EHBP1	Caudate	9.07E-08	-0.00066	2.14E-06	decreasing	0
EHBP1L1	Caudate	1.31E-09	0.000206	0.156443	other	0
EHD1	Caudate	1.14E-07	0.000693	4.86E-07	increasing	1
EHMT1	Caudate	2.42E-10	0.000436	0.002804	other	0
EHMT2	Caudate	1.28E-08	0.000488	0.000818	other	0
EIF1B	Caudate	2.25E-11	-9.60E-05	0.517554	other	0
EIF3B	Caudate	5.24E-13	0.000787	4.03E-10	increasing	0
ELAC2	Caudate	2.02E-12	0.000281	0.058656	other	0
ELAVL4	Caudate	5.47E-09	-0.00079	1.17E-09	decreasing	0
ELK1	Caudate	1.04E-07	0.000743	2.23E-08	increasing	0
ELL	Caudate	1.73E-07	0.000664	1.62E-06	increasing	0
ELMO1	Caudate	7.12E-08	5.69E-05	0.701363	other	0
ELMO3	Caudate	5.24E-10	0.000637	4.99E-06	increasing	0
ELMOD2	Caudate	3.73E-09	-0.00079	1.28E-09	decreasing	0
ELN	Caudate	2.56E-07	-0.00031	0.033923	other	0
ELOVL2	Caudate	2.31E-08	-0.00062	4.48E-06	decreasing	0
ELTD1	Caudate	5.66E-08	-0.00057	6.88E-05	decreasing	0
EMB	Caudate	4.27E-09	-0.00066	1.92E-06	decreasing	0
EMC10	Caudate	1.21E-08	0.000326	0.029887	other	0
EMCN	Caudate	1.60E-12	-0.0008	1.00E-09	decreasing	0
EME2	Caudate	2.44E-09	0.00054	0.000189	other	0
EMILIN1	Caudate	9.31E-10	0.000193	0.197788	other	0
EML1	Caudate	1.53E-08	0.000433	0.002428	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
EML2	Caudate	7.27E-13	0.000795	1.03E-09	increasing	0
EML3	Caudate	3.72E-12	0.000645	3.80E-06	increasing	0
EML5	Caudate	9.07E-09	-0.00073	2.37E-08	decreasing	0
ENAH	Caudate	5.20E-11	-0.0008	4.81E-11	decreasing	0
ENKD1	Caudate	2.49E-08	0.000235	0.110411	other	0
ENKUR	Caudate	6.02E-09	-0.00069	1.40E-07	decreasing	0
ENO2	Caudate	4.20E-09	0.000618	7.06E-06	increasing	0
ENOSF1	Caudate	2.58E-07	0.00063	6.73E-06	increasing	0
ENOX1	Caudate	5.95E-10	-0.00074	2.03E-08	decreasing	0
ENPP2	Caudate	5.08E-14	0.00079	4.89E-10	increasing	0
ENPP6	Caudate	1.73E-11	-0.00076	5.40E-09	decreasing	0
ENTHD1	Caudate	5.99E-10	-0.00029	0.009679	other	0
ENTHD2	Caudate	8.62E-08	0.000578	5.36E-05	increasing	0
EPB41L2	Caudate	2.38E-09	-0.00048	0.000615	other	1
EPDR1	Caudate	4.51E-08	0.000499	0.000452	other	0
EPHA10	Caudate	1.50E-09	0.000565	8.29E-05	increasing	0
EPHA5	Caudate	1.45E-21	-0.00089	7.91E-14	decreasing	0
EPHB2	Caudate	1.95E-08	4.39E-05	0.771399	other	0
EPHB3	Caudate	1.39E-09	1.69E-05	0.909663	other	0
EPHB6	Caudate	4.35E-11	0.000574	5.00E-05	increasing	0
EPHX1	Caudate	1.38E-10	0.000722	7.99E-08	increasing	0
EPN3	Caudate	7.37E-08	0.000773	6.31E-09	increasing	0
EPS15	Caudate	1.39E-11	-0.00061	1.38E-05	decreasing	0
EPS8L2	Caudate	2.43E-07	0.000746	3.07E-08	increasing	0
EPT1	Caudate	1.17E-07	-0.00047	0.00097	other	0
ERBB2IP	Caudate	1.33E-08	0.000434	0.002507	other	0
ERBB3	Caudate	4.20E-11	0.000795	4.32E-10	increasing	0
ERCC2	Caudate	9.07E-08	-0.00026	0.078262	other	0
ERLIN1	Caudate	5.00E-08	0.000534	0.000163	other	0
ERMN	Caudate	2.78E-14	0.000718	4.84E-08	increasing	0
ERO1LB	Caudate	4.51E-08	-0.00039	0.007641	other	0
ERP44	Caudate	7.88E-11	-0.00045	0.001832	other	0
ESRRG	Caudate	4.31E-09	-0.00075	3.16E-08	decreasing	0
ESYT1	Caudate	6.76E-08	0.000515	0.000373	other	0
ESYT3	Caudate	1.43E-11	0.000749	5.45E-09	increasing	0
ETNK2	Caudate	1.36E-11	-0.00072	8.24E-08	decreasing	0
ETNPPL	Caudate	2.78E-09	0.000665	6.29E-07	increasing	0
ETS1	Caudate	3.19E-11	-0.00071	1.31E-07	decreasing	0
ETV5	Caudate	1.68E-07	-0.00045	0.001626	other	0
EVA1C	Caudate	3.30E-10	0.000837	6.01E-11	increasing	0

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EVC	Caudate	6.11E-08	0.000289	0.054378	other	0
EVI2A	Caudate	1.61E-07	0.000475	0.000908	other	0
EVI5L	Caudate	9.92E-10	0.000448	0.002329	other	0
EVPL	Caudate	2.52E-10	0.000771	1.30E-09	increasing	0
EXD3	Caudate	2.43E-08	0.000708	1.82E-07	increasing	1
EXOC3	Caudate	9.04E-08	0.000519	0.000347	other	0
EXOC3L1	Caudate	1.89E-09	0.000584	4.35E-05	increasing	0
EXOC7	Caudate	1.55E-09	0.000473	0.001125	other	1
EXOSC6	Caudate	2.27E-10	0.000348	0.017976	other	0
EXT1	Caudate	2.26E-10	-0.00055	5.89E-05	decreasing	0
EYA1	Caudate	4.04E-08	0.000296	0.046792	other	0
EZH1	Caudate	5.68E-14	0.000853	2.60E-12	increasing	0
EZH2	Caudate	5.08E-09	-0.00052	0.000264	other	0
F10	Caudate	1.35E-08	0.000661	1.98E-06	increasing	0
F12	Caudate	1.12E-10	0.000787	2.45E-09	increasing	0
FA2H	Caudate	1.19E-07	0.000714	4.75E-08	increasing	0
FABP7	Caudate	4.91E-14	-0.00083	5.89E-12	decreasing	0
FADS3	Caudate	1.26E-10	0.000385	0.008574	other	0
FAHD1	Caudate	2.40E-08	0.000633	3.30E-06	increasing	0
FAM101A	Caudate	5.22E-12	0.000432	0.00213	other	0
FAM101B	Caudate	4.56E-09	0.000701	2.32E-07	increasing	1
FAM102A	Caudate	6.98E-08	0.000607	1.01E-05	increasing	0
FAM102B	Caudate	1.38E-11	-0.00079	3.08E-10	decreasing	0
FAM104B	Caudate	2.52E-08	-0.00049	0.000726	other	0
FAM109A	Caudate	7.15E-08	0.000297	0.041395	other	0
FAM109B	Caudate	2.16E-07	-0.00034	0.021815	other	0
FAM111A	Caudate	1.86E-07	-0.00038	0.009751	other	0
FAM115A	Caudate	6.52E-10	0.000576	5.62E-05	increasing	0
FAM117A	Caudate	3.00E-11	0.000794	5.69E-10	increasing	0
FAM131B	Caudate	6.70E-11	0.000355	0.01654	other	0
FAM132B	Caudate	3.60E-07	0.000728	3.94E-08	increasing	0
FAM135A	Caudate	7.61E-08	-0.00067	8.36E-07	decreasing	0
FAM13B	Caudate	2.58E-08	-0.00069	5.26E-07	decreasing	0
FAM151A	Caudate	3.79E-09	0.00078	3.86E-09	increasing	0
FAM151B	Caudate	6.41E-09	-0.0008	1.78E-10	decreasing	0
FAM155A	Caudate	4.72E-12	-0.00081	1.98E-10	decreasing	0
FAM160B1	Caudate	1.06E-09	-0.00075	2.39E-08	decreasing	0
FAM163B	Caudate	1.27E-08	-0.00056	5.02E-05	decreasing	0
FAM171A2	Caudate	2.70E-10	0.000236	0.116802	other	0
FAM173A	Caudate	4.55E-08	0.000574	5.76E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FAM181B	Caudate	1.66E-08	0.000124	0.395358	other	0
FAM184A	Caudate	6.49E-10	-0.00072	2.59E-08	decreasing	0
FAM196A	Caudate	6.38E-09	-0.00047	0.000975	other	0
FAM198B	Caudate	1.11E-08	-0.00067	4.95E-07	decreasing	0
FAM199X	Caudate	1.50E-07	-0.00014	0.353048	other	0
FAM19A1	Caudate	6.35E-10	-0.00079	3.53E-10	decreasing	0
FAM19A2	Caudate	1.05E-17	-0.00086	2.62E-12	decreasing	0
FAM19A5	Caudate	8.95E-08	6.16E-06	0.966911	other	0
FAM207A	Caudate	1.16E-10	0.000789	2.23E-09	increasing	0
FAM208A	Caudate	1.52E-08	-0.00066	1.14E-06	decreasing	0
FAM208B	Caudate	6.09E-08	-0.00052	0.000299	other	0
FAM20B	Caudate	1.27E-08	0.000711	1.31E-07	increasing	0
FAM214A	Caudate	1.13E-10	-0.00072	8.54E-08	decreasing	0
FAM3C	Caudate	6.17E-14	-0.00084	2.94E-11	decreasing	0
FAM69B	Caudate	3.39E-12	0.000149	0.32212	other	0
FAM71E1	Caudate	1.57E-07	0.000425	0.003814	other	0
FAM73A	Caudate	5.50E-10	-0.00042	0.003531	other	0
FAM73B	Caudate	2.01E-08	0.000625	9.46E-06	increasing	0
FAM76B	Caudate	3.42E-07	-0.00069	2.58E-07	decreasing	0
FAM78A	Caudate	3.58E-08	0.000325	0.027153	other	0
FAM83D	Caudate	8.91E-08	0.000562	6.48E-05	increasing	0
FAM84A	Caudate	8.84E-12	-0.00073	3.55E-08	decreasing	0
FAM84B	Caudate	6.96E-11	-0.00079	8.54E-10	decreasing	0
FAM89B	Caudate	1.14E-08	0.000257	0.086297	other	0
FAM8A1	Caudate	3.60E-10	-0.00078	1.11E-09	decreasing	0
FANCG	Caudate	5.80E-09	0.000489	0.000438	other	0
FAR1	Caudate	1.45E-11	-0.0007	2.77E-07	decreasing	0
FARP2	Caudate	2.53E-09	0.000539	0.00012	other	0
FARSB	Caudate	4.43E-12	-0.00057	6.84E-05	decreasing	0
FASN	Caudate	1.07E-09	0.000389	0.008904	other	0
FAT3	Caudate	2.70E-06	-0.00072	1.51E-07	decreasing	0
FBF1	Caudate	7.66E-11	0.000681	7.88E-07	increasing	0
FBLN2	Caudate	1.67E-07	-0.00041	0.005412	other	0
FBN2	Caudate	1.31E-10	-0.00014	0.358907	other	0
FBXL15	Caudate	1.21E-07	0.000493	0.000747	other	0
FBXL19	Caudate	6.13E-09	0.000264	0.080956	other	0
FBXL8	Caudate	4.75E-11	0.000368	0.01261	other	0
FBXO11	Caudate	2.37E-08	-0.00073	5.05E-08	decreasing	0
FBXO17	Caudate	1.65E-09	0.000719	9.44E-08	increasing	0
FBXO2	Caudate	1.11E-17	0.000715	4.36E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FBXO31	Caudate	1.53E-11	0.00083	5.87E-11	increasing	0
FBXO46	Caudate	2.12E-08	0.000504	0.000517	other	0
FBXO9	Caudate	6.29E-09	-0.00077	9.44E-09	decreasing	0
FBXW4	Caudate	6.64E-10	0.000702	2.36E-07	increasing	1
FBXW5	Caudate	2.79E-08	0.000275	0.069009	other	0
FBXW7	Caudate	1.18E-06	-0.00076	1.31E-08	decreasing	0
FBXW9	Caudate	9.48E-09	9.87E-05	0.505849	other	0
FCHO2	Caudate	5.36E-11	-0.0007	3.11E-07	decreasing	0
FCHSD2	Caudate	1.03E-07	-0.00055	9.55E-05	decreasing	0
FEM1A	Caudate	3.26E-12	8.53E-05	0.573795	other	0
FEM1C	Caudate	1.14E-07	0.000122	0.417561	other	1
FEZF2	Caudate	4.86E-10	0.000724	4.88E-08	increasing	0
FGF12	Caudate	4.08E-08	-0.00058	4.41E-05	decreasing	0
FGF22	Caudate	1.37E-08	0.000645	4.08E-06	increasing	0
FGFR2	Caudate	1.01E-09	0.000696	3.88E-07	increasing	0
FGFR3	Caudate	1.65E-10	0.000559	0.000102	other	0
FHDC1	Caudate	2.52E-07	1.07E-05	0.942132	other	0
FHOD1	Caudate	2.13E-07	0.000742	1.45E-08	increasing	0
FHOD3	Caudate	4.21E-12	-0.00073	2.54E-08	decreasing	1
FIGNL2	Caudate	5.42E-11	0.000337	0.022509	other	0
FIZ1	Caudate	1.70E-07	0.000673	8.87E-07	increasing	0
FJX1	Caudate	5.26E-09	0.000177	0.230826	other	0
FKBP10	Caudate	9.47E-09	0.000182	0.221032	other	0
FKBP14	Caudate	2.70E-08	-0.0007	1.21E-07	decreasing	0
FKBP1A	Caudate	1.05E-11	0.000106	0.468065	other	0
FKBP5	Caudate	2.84E-06	0.000718	1.07E-07	increasing	0
FKBP8	Caudate	6.61E-10	0.000519	0.000248	other	0
FKTN	Caudate	8.59E-10	-0.00077	6.26E-09	decreasing	0
FLCN	Caudate	1.59E-10	0.000713	1.67E-07	increasing	0
FLII	Caudate	1.47E-10	0.000703	2.91E-07	increasing	0
FLNA	Caudate	3.26E-09	0.000294	0.043649	other	0
FLNB	Caudate	1.02E-10	0.000757	1.51E-08	increasing	0
FLOT1	Caudate	9.66E-09	0.000525	0.00025	other	0
FLOT2	Caudate	1.97E-11	0.000759	4.98E-09	increasing	0
FLRT2	Caudate	8.26E-14	-0.00087	5.36E-13	decreasing	0
FLYWCH1	Caudate	5.45E-11	0.000799	7.13E-10	increasing	0
FMNL2	Caudate	7.28E-08	0.000155	0.297303	other	0
FMR1	Caudate	5.29E-11	-0.00073	5.90E-08	decreasing	0
FN1	Caudate	1.47E-07	-0.00053	0.000243	other	1
FN3KRP	Caudate	7.97E-10	0.000727	8.48E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FNBP1L	Caudate	8.23E-09	-0.00076	2.99E-09	decreasing	0
FNDC3B	Caudate	1.96E-08	-0.00074	4.42E-08	decreasing	0
FOLH1B	Caudate	3.15E-13	0.000777	1.21E-09	increasing	1
FOSB	Caudate	9.83E-09	0.000671	3.06E-07	increasing	0
FOXG1	Caudate	6.36E-09	-0.00073	9.02E-08	decreasing	0
FOXI3	Caudate	1.68E-14	-0.00035	0.000774	other	0
FOXJ3	Caudate	1.31E-07	-0.00034	0.019724	other	0
FOXO4	Caudate	8.59E-16	0.000796	2.05E-10	increasing	0
FOXP1	Caudate	7.25E-16	-0.00085	2.12E-11	decreasing	0
FOXP2	Caudate	1.64E-20	-0.00087	5.94E-13	decreasing	0
FPGS	Caudate	1.62E-08	0.000608	1.48E-05	increasing	0
FPR1	Caudate	8.18E-08	-0.00056	7.18E-05	decreasing	0
FRA10AC1	Caudate	6.83E-10	-0.00052	0.000325	other	0
FRAS1	Caudate	4.11E-13	-0.00084	1.40E-11	decreasing	0
FRMD3	Caudate	9.72E-09	-0.00077	2.09E-09	decreasing	0
FRMD5	Caudate	2.23E-09	0.000312	0.036436	other	0
FRMD8	Caudate	5.35E-09	0.000789	6.56E-10	increasing	0
FRMPD1	Caudate	6.60E-09	-0.00054	9.77E-05	decreasing	0
FSCN1	Caudate	5.22E-12	0.000304	0.041522	other	0
FST	Caudate	1.20E-09	-0.00077	5.12E-09	decreasing	0
FTL	Caudate	3.00E-09	0.00069	4.75E-07	increasing	0
FUK	Caudate	8.16E-09	0.000607	1.89E-05	increasing	0
FUOM	Caudate	4.11E-09	0.000477	0.001142	other	0
FUT1	Caudate	1.63E-07	0.000771	6.58E-09	increasing	0
FUT9	Caudate	5.42E-08	-0.00067	1.27E-06	decreasing	0
FUZ	Caudate	2.18E-07	0.00052	0.00034	other	0
FXR1	Caudate	2.40E-07	-0.00012	0.434533	other	0
FXYD1	Caudate	1.48E-09	0.000537	0.000115	other	0
FXYD6	Caudate	4.29E-09	-0.00038	0.006822	other	0
FYB	Caudate	1.59E-07	-0.00051	0.00037	other	0
FZD3	Caudate	7.23E-08	-0.00075	1.23E-08	decreasing	0
FZD6	Caudate	8.30E-09	-0.0007	1.56E-07	decreasing	0
FZD8	Caudate	2.31E-07	4.88E-05	0.742616	other	0
G2E3	Caudate	1.25E-06	-0.00073	4.17E-08	decreasing	0
G3BP1	Caudate	1.22E-09	-0.00053	0.000227	other	0
G6PD	Caudate	3.49E-10	0.000462	0.001542	other	0
GAA	Caudate	7.90E-08	0.000706	1.70E-07	increasing	0
GAB1	Caudate	1.52E-10	0.00044	0.002185	other	0
GAB2	Caudate	2.94E-11	0.000738	2.71E-08	increasing	0
GABBR2	Caudate	1.46E-08	-0.00051	0.000396	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GABPB2	Caudate	1.99E-10	0.000751	1.95E-08	increasing	0
GABRA1	Caudate	2.37E-07	-0.00054	0.000155	other	0
GABRA2	Caudate	3.10E-10	-0.0007	2.38E-07	decreasing	0
GABRA3	Caudate	2.16E-09	-0.00062	7.76E-06	decreasing	0
GABRA4	Caudate	6.04E-10	-0.00052	0.000312	other	0
GADL1	Caudate	4.42E-10	-0.00072	6.52E-08	decreasing	0
GAK	Caudate	2.62E-11	0.000324	0.029232	other	0
GAL3ST2	Caudate	8.74E-09	0.000363	0.013028	other	0
GAL3ST3	Caudate	6.38E-10	0.000171	0.259672	other	0
GALK1	Caudate	2.96E-08	0.000538	0.000183	other	0
GALNT10	Caudate	8.98E-10	-0.00044	0.001805	other	0
GALNT12	Caudate	7.00E-10	-0.00054	0.000104	other	0
GALNT13	Caudate	9.02E-10	-0.00063	1.83E-06	decreasing	1
GALNT14	Caudate	5.73E-10	-0.00073	1.92E-08	decreasing	0
GALNT15	Caudate	1.20E-07	0.000453	0.001419	other	0
GALNT18	Caudate	9.17E-12	0.000421	0.004394	other	0
GALNT5	Caudate	1.68E-09	0.000611	7.07E-06	increasing	0
GALNT6	Caudate	2.04E-12	0.000816	6.67E-11	increasing	0
GALNT9	Caudate	1.19E-09	-4.52E-05	0.765311	other	0
GALR3	Caudate	2.58E-08	0.00066	2.11E-06	increasing	0
GALT	Caudate	1.11E-08	0.000349	0.018019	other	0
GAMT	Caudate	3.59E-10	0.000683	6.68E-07	increasing	0
GANAB	Caudate	9.09E-12	0.000191	0.210117	other	0
GAR1	Caudate	3.84E-08	-0.00038	0.009282	other	0
GARNL3	Caudate	1.75E-08	0.000695	8.43E-08	increasing	0
GAS1	Caudate	1.96E-10	0.000274	0.057814	other	0
GAS2L1	Caudate	2.77E-11	0.000645	3.70E-06	increasing	0
GAS6	Caudate	1.00E-09	0.000363	0.015254	other	0
GATAD1	Caudate	2.88E-08	0.00044	0.002469	other	1
GATAD2A	Caudate	5.02E-10	0.000686	4.99E-07	increasing	0
GCC1	Caudate	1.46E-10	0.000514	0.000406	other	0
GCC2	Caudate	4.04E-08	-0.00064	4.56E-06	decreasing	0
GCDH	Caudate	1.57E-09	0.000574	6.04E-05	increasing	0
GCH1	Caudate	1.99E-07	0.000443	0.001985	other	0
GCHFR	Caudate	2.11E-10	0.00082	2.56E-10	increasing	0
GCLC	Caudate	8.95E-09	0.000628	3.50E-06	increasing	0
GCN1L1	Caudate	4.25E-09	0.000414	0.004754	other	0
GCNT1	Caudate	7.03E-10	0.000384	0.008344	other	0
GDAP1L1	Caudate	3.26E-11	0.000513	0.000345	other	0
GDF2	Caudate	1.66E-08	0.000725	2.00E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GDF5	Caudate	2.59E-06	-0.00076	1.51E-08	decreasing	0
GDF9	Caudate	2.06E-06	-0.00071	1.71E-07	decreasing	0
GDPD1	Caudate	6.65E-11	-0.00077	9.42E-09	decreasing	0
GEN1	Caudate	1.98E-08	-0.00066	4.87E-07	decreasing	1
GET4	Caudate	1.40E-09	0.000655	2.73E-06	increasing	0
GFER	Caudate	4.42E-09	0.000545	0.000154	other	0
GFOD1	Caudate	2.08E-14	0.000733	8.37E-09	increasing	1
GFOD2	Caudate	6.32E-09	0.000191	0.20706	other	0
GGA2	Caudate	7.96E-08	0.000719	4.72E-08	increasing	0
GGPS1	Caudate	2.61E-07	-0.00076	1.11E-08	decreasing	0
GGT7	Caudate	4.47E-11	0.000435	0.003062	other	0
GHDC	Caudate	8.59E-08	0.000751	1.63E-08	increasing	0
GIGYF1	Caudate	3.31E-11	0.00071	2.04E-07	increasing	0
GIPC1	Caudate	1.41E-08	0.00042	0.004598	other	0
GIPC2	Caudate	2.37E-07	0.000383	0.008608	other	0
GJB1	Caudate	6.02E-14	0.000741	9.20E-09	increasing	0
GJB5	Caudate	3.20E-10	0.000494	0.000498	other	0
GJC1	Caudate	3.33E-11	-0.00058	4.07E-05	decreasing	0
GJC2	Caudate	4.63E-11	0.000754	1.11E-08	increasing	0
GJD2	Caudate	3.70E-15	-0.00084	6.62E-12	decreasing	0
GKAP1	Caudate	1.19E-08	-1.10E-05	0.943194	other	0
GLCE	Caudate	1.37E-10	-0.00077	2.38E-09	decreasing	0
GLI1	Caudate	4.48E-08	0.000378	0.010426	other	0
GLI4	Caudate	6.92E-08	0.000498	0.000433	other	0
GLMN	Caudate	1.34E-08	-0.00076	1.28E-08	decreasing	0
GLRA2	Caudate	9.67E-15	-0.00085	5.11E-12	decreasing	0
GLRX	Caudate	1.18E-08	-0.00049	0.00071	other	0
GLTPD1	Caudate	7.69E-10	0.00047	0.001244	other	0
GLTSCR2	Caudate	1.76E-08	0.000484	0.000856	other	0
GMEB2	Caudate	1.14E-11	0.000355	0.017647	other	0
GMPPB	Caudate	7.73E-08	0.000267	0.070652	other	0
GNA11	Caudate	8.51E-08	0.000446	0.002487	other	0
GNAQ	Caudate	4.19E-12	-0.00084	2.18E-11	decreasing	0
GNAZ	Caudate	2.41E-12	-1.72E-05	0.908468	other	0
GNB1	Caudate	1.84E-08	-0.00039	0.007257	other	0
GNB1L	Caudate	2.07E-09	0.000487	0.000875	other	0
GNB4	Caudate	9.78E-16	-0.00084	4.96E-12	decreasing	0
GNG12	Caudate	3.40E-06	-0.00073	3.50E-08	decreasing	1
GNG2	Caudate	3.83E-15	-0.00071	3.65E-08	decreasing	0
GNG3	Caudate	2.30E-08	-0.00057	7.07E-05	decreasing	0

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GNL1	Caudate	4.36E-14	0.000812	5.91E-11	increasing	0
GNMT	Caudate	5.29E-05	0.000711	1.92E-07	increasing	0
GNPNAT1	Caudate	5.47E-10	-0.00077	6.92E-09	decreasing	0
GNPTAB	Caudate	5.59E-09	-0.00078	3.36E-09	decreasing	0
GNPTG	Caudate	2.55E-07	0.00041	0.005642	other	0
GOLGA3	Caudate	7.73E-12	0.000477	0.001146	other	0
GOLGA4	Caudate	2.42E-08	-0.0006	1.39E-05	decreasing	0
GOLT1B	Caudate	7.86E-07	-0.00072	1.16E-07	decreasing	0
GOPC	Caudate	5.11E-10	-0.00073	3.15E-08	decreasing	0
GORASP1	Caudate	1.03E-07	0.000379	0.010964	other	1
GPAA1	Caudate	7.43E-10	0.000592	3.17E-05	increasing	0
GPATCH4	Caudate	2.22E-08	0.000321	0.027469	other	0
GPBP1L1	Caudate	6.52E-11	-0.00016	0.287258	other	0
GPCPD1	Caudate	1.13E-07	-0.00072	7.79E-08	decreasing	0
GPHN	Caudate	6.34E-11	-0.0008	1.14E-09	decreasing	0
GPKOW	Caudate	8.04E-08	0.000209	0.163117	other	0
GPM6B	Caudate	7.54E-10	-0.00066	1.74E-06	decreasing	0
GPN2	Caudate	2.26E-09	0.000551	0.000128	other	0
GPNMB	Caudate	1.94E-09	0.000592	2.16E-05	increasing	0
GPR101	Caudate	5.95E-15	0.000847	6.85E-12	increasing	0
GPR126	Caudate	3.60E-12	-0.00018	0.209986	other	0
GPR133	Caudate	6.35E-08	0.000391	0.005827	other	0
GPR143	Caudate	1.59E-09	0.000813	1.96E-10	increasing	0
GPR146	Caudate	3.35E-07	0.000727	6.48E-08	increasing	0
GPR158	Caudate	2.23E-08	-0.00055	8.50E-05	decreasing	0
GPR162	Caudate	2.34E-14	0.000279	0.053566	other	0
GPR171	Caudate	6.90E-10	-0.00072	1.19E-07	decreasing	0
GPR27	Caudate	2.45E-11	0.000504	0.000531	other	0
GPR37	Caudate	7.96E-17	0.000793	3.77E-10	increasing	0
GPR52	Caudate	8.89E-08	-0.00035	0.017634	other	0
GPR62	Caudate	2.37E-12	0.000824	1.90E-10	increasing	0
GPR63	Caudate	2.83E-08	-0.00077	3.91E-09	decreasing	0
GPR82	Caudate	6.60E-08	-0.00071	1.15E-07	decreasing	0
GPR85	Caudate	7.74E-07	-0.00075	1.98E-08	decreasing	0
GPR88	Caudate	2.20E-07	-0.00061	1.72E-05	decreasing	0
GPRC5B	Caudate	4.52E-15	0.000851	6.74E-13	increasing	0
GPRIN3	Caudate	7.13E-10	-0.00076	1.38E-08	decreasing	0
GPS1	Caudate	7.26E-13	0.000213	0.15245	other	0
GPSM1	Caudate	6.81E-11	0.00032	0.026046	other	0
GPT2	Caudate	1.26E-09	0.000362	0.015247	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
GPX1	Caudate	4.84E-13	0.000797	7.86E-10	increasing	0
GPX2	Caudate	1.46E-09	0.000276	0.058944	other	0
GRAMD1A	Caudate	5.77E-11	0.0003	0.040983	other	0
GRAMD1C	Caudate	5.19E-08	-1.22E-05	0.935037	other	1
GRAP	Caudate	6.45E-08	-0.00027	0.068746	other	0
GRB2	Caudate	2.98E-08	4.12E-05	0.786185	other	0
GRIA1	Caudate	3.37E-12	-0.00076	3.72E-09	decreasing	0
GRIK3	Caudate	1.23E-07	-0.00023	0.119683	other	0
GRIN2C	Caudate	6.66E-13	0.00074	5.66E-09	increasing	0
GRIP1	Caudate	8.26E-08	-0.00065	2.68E-06	decreasing	0
GRK4	Caudate	3.97E-09	0.000822	6.74E-11	increasing	0
GRK5	Caudate	2.19E-08	0.000119	0.432594	other	0
GRK6	Caudate	1.03E-12	0.000317	0.033335	other	0
GRM1	Caudate	3.12E-08	-0.00041	0.00436	other	1
GRM3	Caudate	1.74E-13	-0.00084	1.40E-11	decreasing	0
GRM5	Caudate	1.65E-06	-0.0007	1.86E-07	decreasing	0
GRM7	Caudate	3.44E-09	-0.00069	1.72E-07	decreasing	0
GSTA4	Caudate	1.27E-07	-0.0007	7.89E-08	decreasing	0
GSTM5	Caudate	1.78E-07	0.000111	0.466247	other	0
GSTP1	Caudate	6.14E-10	0.00043	0.002778	other	0
GTF2F1	Caudate	1.94E-08	0.000355	0.015979	other	0
GTF2I	Caudate	4.39E-08	-0.00066	6.83E-07	decreasing	0
GTF3C5	Caudate	1.84E-07	0.000627	7.59E-06	increasing	0
GTF3C6	Caudate	7.42E-08	-0.00055	0.000136	other	0
GTPBP1	Caudate	1.79E-10	0.000319	0.029401	other	0
GUCD1	Caudate	1.10E-07	0.00024	0.108757	other	0
GUCY1A2	Caudate	6.86E-09	-0.00078	3.83E-09	decreasing	0
GYPC	Caudate	2.50E-09	-0.0002	0.195621	other	1
H6PD	Caudate	1.13E-10	0.000637	5.80E-06	increasing	0
HABP4	Caudate	3.68E-16	0.000692	1.53E-07	increasing	0
HAGH	Caudate	2.74E-18	0.000716	7.50E-08	increasing	0
HAGHL	Caudate	1.07E-09	0.000609	1.61E-05	increasing	0
HAP1	Caudate	1.13E-08	0.000754	1.78E-08	increasing	1
HAPLN1	Caudate	4.69E-17	-0.0009	3.27E-14	decreasing	0
HAPLN2	Caudate	1.72E-18	0.000873	1.92E-13	increasing	0
HAPLN4	Caudate	2.10E-15	0.000824	8.83E-12	increasing	0
HAS2	Caudate	6.28E-07	-0.0007	8.23E-08	decreasing	0
HAUS5	Caudate	2.92E-10	0.000771	5.33E-09	increasing	0
HBM	Caudate	7.46E-07	0.000705	3.36E-08	increasing	0
HCFC1R1	Caudate	6.01E-12	-6.76E-05	0.644692	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HDAC10	Caudate	4.78E-08	0.000744	2.39E-08	increasing	0
HDAC11	Caudate	3.12E-12	0.000687	3.09E-07	increasing	0
HDAC2	Caudate	6.18E-09	-0.00062	7.98E-06	decreasing	0
HDAC6	Caudate	2.64E-08	0.000269	0.062444	other	0
HDAC7	Caudate	2.89E-08	0.000628	7.60E-06	increasing	0
HDAC9	Caudate	2.16E-14	-0.00087	6.73E-13	decreasing	0
HDLBP	Caudate	1.19E-09	7.46E-05	0.620618	other	0
HECTD2	Caudate	1.57E-07	-0.00066	1.49E-06	decreasing	0
HEMK1	Caudate	7.67E-07	0.000709	2.05E-07	increasing	1
HERC2	Caudate	7.43E-10	0.000713	1.80E-07	increasing	0
HES4	Caudate	1.60E-08	0.000546	0.000123	other	0
HES7	Caudate	7.09E-06	0.000719	1.14E-07	increasing	0
HEXA	Caudate	7.46E-08	0.000374	0.008635	other	0
HEXDC	Caudate	3.93E-10	0.000633	4.08E-06	increasing	0
HEYL	Caudate	6.19E-08	0.00057	2.76E-05	increasing	0
HGS	Caudate	3.29E-10	0.000553	0.000122	other	0
HGSNAT	Caudate	4.92E-10	0.000739	5.72E-09	increasing	0
HHAT	Caudate	9.74E-10	0.000644	3.02E-06	increasing	0
HHATL	Caudate	4.29E-08	0.000559	8.45E-05	increasing	0
HHIP	Caudate	6.90E-10	0.000675	4.86E-07	increasing	0
HHIPL1	Caudate	2.91E-08	0.000534	0.000226	other	0
HIC2	Caudate	3.51E-08	0.000622	9.26E-06	increasing	0
HID1	Caudate	1.95E-07	0.000733	4.82E-08	increasing	0
HIF1A	Caudate	1.53E-07	-0.00066	2.00E-06	decreasing	0
HIP1R	Caudate	4.71E-09	0.000663	1.84E-06	increasing	0
HIPK4	Caudate	7.17E-12	0.000679	4.53E-07	increasing	0
HIVEP2	Caudate	1.58E-09	-0.00069	2.96E-07	decreasing	0
HK1	Caudate	5.48E-08	0.000417	0.004925	other	0
HLF	Caudate	8.28E-10	-0.00017	0.23801	other	0
HMCN2	Caudate	1.52E-07	0.000406	0.006211	other	0
HMGCR	Caudate	5.29E-07	-0.00075	2.61E-08	decreasing	0
HMGCS1	Caudate	4.69E-11	-0.00058	4.38E-05	decreasing	0
HMGXB3	Caudate	2.15E-11	0.000109	0.476876	other	0
HMOX2	Caudate	2.16E-08	0.00054	0.000125	other	0
HN1	Caudate	4.66E-11	-0.00045	0.001515	other	0
HNF1A	Caudate	7.93E-08	0.000422	0.004423	other	0
HNRNPA0	Caudate	8.54E-09	-0.00052	0.000283	other	0
HNRNPA1	Caudate	7.82E-09	-0.00031	0.042445	other	0
HNRNPA2B1	Caudate	5.40E-12	-0.00036	0.016436	other	0
HNRNPH1	Caudate	4.57E-08	-0.00064	2.81E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HNRNPL	Caudate	3.49E-08	5.65E-05	0.70947	other	0
HOGA1	Caudate	2.23E-13	0.000847	1.74E-11	increasing	0
HOMER1	Caudate	2.41E-11	-0.00077	6.74E-09	decreasing	0
HOMER3	Caudate	2.54E-08	0.000411	0.005688	other	0
HOXD1	Caudate	2.46E-08	0.000622	2.93E-06	increasing	0
HOXD3	Caudate	1.78E-08	0.000596	9.53E-06	increasing	0
HPCA	Caudate	1.72E-12	-0.00011	0.461055	other	0
HPCAL4	Caudate	5.76E-11	0.00061	8.94E-06	increasing	0
HPGD	Caudate	1.11E-09	-0.00081	1.04E-10	decreasing	0
HPN	Caudate	3.83E-13	0.000782	5.72E-10	increasing	0
HPRT1	Caudate	2.47E-13	-0.00019	0.195952	other	0
HPSE2	Caudate	1.26E-08	0.000656	1.19E-06	increasing	0
HRH3	Caudate	8.48E-08	0.000672	1.32E-06	increasing	0
HS1BP3	Caudate	9.01E-11	0.000537	0.000171	other	0
HS2ST1	Caudate	6.43E-11	-0.00081	6.98E-10	decreasing	0
HS3ST5	Caudate	1.79E-10	-0.00072	6.82E-08	decreasing	0
HS6ST3	Caudate	7.88E-10	-0.00056	8.18E-05	decreasing	0
HSBP1	Caudate	1.10E-09	-0.0008	1.42E-10	decreasing	0
HSD11B1L	Caudate	4.74E-09	0.000419	0.003818	other	1
HSD17B12	Caudate	6.16E-08	-0.00072	1.36E-07	decreasing	0
HSF4	Caudate	2.59E-18	0.000887	4.16E-14	increasing	0
HSP90B1	Caudate	5.60E-11	-0.00029	0.044656	other	0
HSPA12B	Caudate	2.31E-09	0.000666	1.61E-06	increasing	0
HSPA1B	Caudate	1.07E-07	0.000579	4.25E-05	increasing	0
HSPA6	Caudate	9.63E-09	0.000696	3.97E-07	increasing	0
HSPB8	Caudate	4.61E-13	0.000811	1.00E-10	increasing	0
HSPD1	Caudate	7.31E-10	-0.00025	0.097709	other	0
HTRA2	Caudate	8.62E-08	0.000137	0.367931	other	0
HTRA3	Caudate	6.74E-09	-0.00067	7.87E-07	decreasing	0
HTRA4	Caudate	2.37E-07	0.000624	2.90E-06	increasing	0
HYOU1	Caudate	1.92E-07	0.000318	0.026644	other	0
IBA57	Caudate	2.13E-07	0.000524	0.000307	other	0
ICAM5	Caudate	8.49E-11	0.000498	0.000556	other	0
IDE	Caudate	8.63E-11	-0.00078	9.72E-10	decreasing	0
IDH2	Caudate	2.19E-13	0.000172	0.247847	other	0
IDH3G	Caudate	4.38E-08	0.000479	0.000971	other	0
IFFO1	Caudate	9.76E-12	0.000707	2.47E-07	increasing	0
IFI16	Caudate	3.25E-07	-0.00073	6.18E-08	decreasing	0
IFI27L2	Caudate	3.85E-09	0.000684	7.15E-07	increasing	0
IFI44L	Caudate	1.71E-09	-0.00066	1.24E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
IFNAR1	Caudate	3.23E-10	-0.00078	2.85E-09	decreasing	0
IFNAR2	Caudate	1.88E-08	-0.00023	0.130845	other	0
IFNGR1	Caudate	5.76E-07	-0.00076	1.37E-08	decreasing	0
IFT140	Caudate	1.84E-09	0.00039	0.006023	other	0
IFT74	Caudate	3.04E-08	-0.00073	2.33E-08	decreasing	0
IFT80	Caudate	9.48E-10	-0.00076	6.01E-09	decreasing	0
IFT81	Caudate	9.71E-11	-0.00079	1.95E-10	decreasing	0
IGF1	Caudate	1.68E-14	-0.00081	1.23E-10	decreasing	0
IGF2BP2	Caudate	1.55E-10	-0.00069	4.19E-07	decreasing	0
IGF2BP3	Caudate	3.39E-08	-0.00052	0.000173	other	0
IGF2R	Caudate	1.97E-12	-0.00012	0.41894	other	0
IGFALS	Caudate	1.51E-08	0.00069	2.62E-07	increasing	0
IGFBP2	Caudate	1.28E-11	-0.0005	0.000422	other	0
IGFBP3	Caudate	2.44E-07	-0.00039	0.00803	other	0
IGFBP6	Caudate	6.45E-17	0.000693	1.89E-07	increasing	0
IGFBP7	Caudate	1.46E-09	-0.00046	0.001331	other	0
IGSF1	Caudate	3.83E-09	-0.0007	6.81E-08	decreasing	0
IGSF3	Caudate	1.00E-09	-4.35E-05	0.769606	other	0
IKZF3	Caudate	6.34E-09	0.00063	3.18E-06	increasing	0
IKZF5	Caudate	5.47E-09	-0.00025	0.087942	other	0
IL10RB	Caudate	5.25E-10	-0.00073	3.60E-08	decreasing	0
IL11RA	Caudate	7.48E-10	0.000621	6.75E-06	increasing	0
IL15RA	Caudate	9.85E-16	0.000872	6.89E-14	increasing	0
IL17D	Caudate	3.40E-11	0.000468	0.001155	other	0
IL17RC	Caudate	1.56E-08	0.000761	1.30E-08	increasing	0
IL6ST	Caudate	2.74E-06	-0.00075	2.29E-08	decreasing	1
ILF3	Caudate	4.72E-08	0.000421	0.004289	other	0
ILVBL	Caudate	1.83E-09	0.000649	3.16E-06	increasing	0
IMP4	Caudate	1.06E-09	8.84E-05	0.559176	other	0
INADL	Caudate	1.63E-10	0.000728	1.17E-08	increasing	0
ING5	Caudate	3.31E-11	0.000765	8.05E-09	increasing	1
INHBA	Caudate	1.61E-20	-0.00088	2.17E-13	decreasing	0
INO80B	Caudate	3.14E-10	0.000661	1.86E-06	increasing	0
INPP5A	Caudate	3.87E-10	0.000514	0.000194	other	0
INPP5E	Caudate	1.02E-08	0.000706	2.44E-07	increasing	0
INSIG2	Caudate	7.18E-15	-0.00071	1.27E-07	decreasing	0
INTS1	Caudate	5.03E-12	0.000577	5.43E-05	increasing	0
IP6K3	Caudate	1.95E-07	0.000784	2.78E-09	increasing	0
IPMK	Caudate	1.73E-10	-0.00071	1.67E-07	decreasing	0
IPO11	Caudate	4.36E-08	-0.00051	0.0005	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
IPO13	Caudate	1.07E-08	0.000529	0.000209	other	0
IPO9	Caudate	1.61E-07	-0.00028	0.058158	other	0
IREB2	Caudate	1.10E-09	-0.00078	3.96E-09	decreasing	0
IRF2	Caudate	1.37E-14	0.000821	7.32E-11	increasing	0
IRF2BP1	Caudate	1.28E-10	0.000569	7.16E-05	increasing	0
IRF2BPL	Caudate	5.58E-09	0.000227	0.127481	other	0
IRGQ	Caudate	8.34E-08	0.000424	0.004109	other	0
IRS1	Caudate	6.24E-08	0.00016	0.296242	other	0
ISCU	Caudate	5.30E-08	0.000471	0.001015	other	0
ISM1	Caudate	3.54E-08	-0.00066	2.65E-06	decreasing	0
ISYNA1	Caudate	2.64E-10	0.000617	1.17E-05	increasing	0
ITFG3	Caudate	8.12E-09	0.000434	0.003008	other	0
ITGA1	Caudate	9.46E-11	-0.0008	9.04E-10	decreasing	0
ITGA2B	Caudate	5.04E-09	0.000694	3.44E-07	increasing	0
ITGA3	Caudate	2.41E-11	0.000789	2.18E-09	increasing	0
ITGA9	Caudate	5.41E-08	-0.00032	0.030761	other	0
ITGAV	Caudate	1.52E-07	-0.0008	8.16E-10	decreasing	0
ITK	Caudate	4.51E-08	0.000705	4.68E-08	increasing	0
ITM2A	Caudate	5.33E-06	-0.00072	8.87E-08	decreasing	0
ITM2B	Caudate	4.98E-16	-0.00035	0.018433	other	0
ITPKA	Caudate	4.51E-09	0.000457	0.001804	other	0
ITPR1	Caudate	2.21E-09	3.95E-05	0.790291	other	0
ITPR3	Caudate	7.96E-10	0.000821	7.25E-11	increasing	0
IVNS1ABP	Caudate	2.12E-08	-0.00076	1.15E-08	decreasing	0
IZUMO4	Caudate	2.87E-09	0.000524	0.000141	other	0
JADE2	Caudate	3.77E-16	0.000889	6.37E-14	increasing	0
JAG2	Caudate	2.41E-09	0.000511	0.000426	other	0
JAK2	Caudate	1.04E-07	-0.00055	0.000132	other	0
JAKMIP1	Caudate	1.52E-08	0.00069	5.64E-07	increasing	0
JAKMIP2	Caudate	7.80E-12	-0.00077	6.35E-10	decreasing	0
JAKMIP3	Caudate	3.34E-08	0.000742	2.81E-08	increasing	0
JAM3	Caudate	2.28E-15	0.000792	1.28E-10	increasing	0
JAZF1	Caudate	2.21E-07	-0.00073	5.33E-08	decreasing	0
JMJD1C	Caudate	8.85E-14	-0.00077	4.38E-09	decreasing	0
JMJD4	Caudate	1.68E-07	0.000327	0.026943	other	0
JMJD8	Caudate	5.06E-10	0.00038	0.010814	other	0
JOSD2	Caudate	2.46E-07	0.000582	4.07E-05	increasing	0
JPH1	Caudate	6.72E-12	0.000611	8.26E-06	increasing	0
JRK	Caudate	2.64E-12	0.000646	3.05E-06	increasing	0
JUND	Caudate	1.64E-08	0.000751	1.63E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
KALRN	Caudate	1.84E-10	-0.00066	1.54E-06	decreasing	0
KANK4	Caudate	5.51E-10	0.00069	1.12E-07	increasing	1
KAT6B	Caudate	6.91E-08	-0.0003	0.044506	other	0
KATNB1	Caudate	1.49E-09	0.000503	0.000565	other	0
KATNBL1	Caudate	4.02E-06	-0.00072	1.37E-07	decreasing	0
KBTBD11	Caudate	7.28E-14	0.000763	2.24E-09	increasing	0
KCNAB2	Caudate	5.62E-10	0.000722	1.67E-08	increasing	0
KCNB2	Caudate	3.95E-15	-0.00086	2.49E-12	decreasing	0
KCND3	Caudate	5.34E-07	0.000771	3.45E-09	increasing	0
KCNG1	Caudate	1.89E-09	-0.00074	1.34E-08	decreasing	0
KCNG2	Caudate	3.43E-12	0.000242	0.107658	other	0
KCNH2	Caudate	3.10E-10	0.00067	7.17E-07	increasing	0
KCNH3	Caudate	5.21E-09	0.000396	0.007768	other	0
KCNH5	Caudate	2.31E-16	-0.00087	4.51E-13	decreasing	0
KCNH8	Caudate	4.55E-12	0.000839	2.99E-11	increasing	0
KCNIP2	Caudate	2.61E-09	0.000778	2.07E-09	increasing	0
KCNJ12	Caudate	2.62E-09	0.000585	4.13E-05	increasing	0
KCNJ14	Caudate	1.60E-09	0.00051	0.00036	other	1
KCNJ2	Caudate	3.80E-11	0.000735	2.64E-08	increasing	0
KCNJ4	Caudate	3.11E-08	0.000205	0.177213	other	0
KCNJ6	Caudate	3.70E-11	-0.00083	2.31E-11	decreasing	0
KCNJ9	Caudate	3.46E-09	0.000499	0.000633	other	0
KCNK12	Caudate	8.11E-11	-6.99E-05	0.63358	other	0
KCNK2	Caudate	1.01E-07	-0.00071	1.77E-07	decreasing	0
KCNK3	Caudate	7.01E-09	-0.00064	3.24E-06	decreasing	0
KCNK9	Caudate	1.35E-08	-0.00068	4.66E-07	decreasing	0
KCNN1	Caudate	2.49E-08	0.000629	4.56E-06	increasing	0
KCNQ2	Caudate	2.03E-08	0.000536	0.000194	other	0
KCNT2	Caudate	1.97E-12	-0.00077	2.62E-09	decreasing	0
KCTD11	Caudate	1.70E-07	0.0006	1.68E-05	increasing	0
KCTD16	Caudate	3.02E-11	-0.0008	7.08E-10	decreasing	0
KCTD2	Caudate	9.22E-11	0.000761	1.25E-08	increasing	0
KCTD3	Caudate	2.55E-09	-0.00076	4.07E-09	decreasing	0
KDELR2	Caudate	1.17E-10	-0.00078	7.00E-10	decreasing	0
KDM1A	Caudate	2.38E-08	-0.00055	7.53E-05	decreasing	0
KDM7A	Caudate	3.41E-08	-0.00037	0.010591	other	0
KDR	Caudate	6.48E-11	-0.00079	1.09E-09	decreasing	0
KDSR	Caudate	4.25E-09	0.000758	1.58E-09	increasing	0
KEAP1	Caudate	1.37E-10	0.000462	0.001382	other	0
KHK	Caudate	5.41E-08	0.000573	6.39E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
KHNYN	Caudate	4.14E-09	0.00074	3.59E-08	increasing	0
KIAA0195	Caudate	2.85E-12	0.000765	8.73E-09	increasing	0
KIAA0196	Caudate	1.85E-07	-0.00069	5.61E-07	decreasing	0
KIAA0232	Caudate	2.05E-07	-0.00072	1.09E-07	decreasing	0
KIAA0368	Caudate	2.19E-08	-0.00032	0.026735	other	0
KIAA0513	Caudate	6.68E-12	0.000826	6.06E-11	increasing	0
KIAA0895L	Caudate	4.53E-09	0.00021	0.154349	other	0
KIAA0930	Caudate	1.24E-08	0.000588	3.32E-05	increasing	0
KIAA1024	Caudate	2.49E-07	-0.00049	0.000525	other	0
KIAA1211L	Caudate	4.55E-10	0.000509	0.000452	other	0
KIAA1217	Caudate	4.73E-09	0.000236	0.112597	other	0
KIAA1377	Caudate	8.67E-08	-0.00065	2.72E-06	decreasing	0
KIAA1586	Caudate	2.05E-06	-0.00076	9.70E-09	decreasing	0
KIAA1598	Caudate	5.11E-13	0.000751	6.63E-09	increasing	0
KIAA2013	Caudate	1.83E-07	0.000422	0.004385	other	0
KIAA2022	Caudate	4.83E-09	-0.00064	4.59E-06	decreasing	0
KIAA2026	Caudate	2.85E-08	-0.00013	0.389792	other	0
KIDINS220	Caudate	8.42E-12	-0.00079	8.37E-10	decreasing	1
KIF13B	Caudate	2.51E-13	0.000829	1.36E-11	increasing	0
KIF15	Caudate	8.56E-08	-0.00048	0.000823	other	0
KIF18A	Caudate	8.84E-08	-0.00059	1.58E-05	decreasing	0
KIF1A	Caudate	1.53E-07	0.00062	1.11E-05	increasing	0
KIF21A	Caudate	1.89E-08	-0.00055	9.37E-05	decreasing	0
KIF22	Caudate	1.56E-11	-0.0003	0.040422	other	0
KIF23	Caudate	1.97E-07	-0.00043	0.002853	other	0
KIF26A	Caudate	5.71E-09	-2.27E-05	0.878586	other	0
KIF3A	Caudate	6.42E-11	-0.00064	4.26E-06	decreasing	0
KIF3B	Caudate	1.77E-08	-0.00023	0.119108	other	0
KIF5A	Caudate	4.83E-10	0.000779	3.57E-10	increasing	0
KIF7	Caudate	6.76E-09	0.000659	2.10E-06	increasing	0
KIFC2	Caudate	6.19E-09	0.000482	0.001005	other	1
KIFC3	Caudate	2.59E-10	0.000397	0.005669	other	0
KIRREL	Caudate	7.88E-09	-0.00045	0.001905	other	0
KITLG	Caudate	9.17E-15	-0.00087	7.15E-13	decreasing	0
KIZ	Caudate	2.92E-13	0.000703	1.52E-07	increasing	0
KLC2	Caudate	4.18E-09	0.000763	6.33E-09	increasing	0
KLF10	Caudate	1.19E-11	-0.00077	2.81E-09	decreasing	0
KLF12	Caudate	1.00E-11	-0.00078	1.13E-09	decreasing	0
KLF13	Caudate	8.73E-09	0.00012	0.432892	other	0
KLF9	Caudate	1.96E-13	-0.00084	3.89E-11	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
KLHDC10	Caudate	2.93E-08	-0.00068	3.84E-07	decreasing	0
KLHDC4	Caudate	1.97E-08	0.00048	0.001052	other	1
KLHDC8B	Caudate	4.56E-09	0.000462	0.000954	other	0
KLHL17	Caudate	3.74E-08	0.000536	0.00021	other	0
KLHL21	Caudate	7.75E-12	0.000662	1.14E-06	increasing	0
KLHL22	Caudate	1.16E-09	0.000516	0.00037	other	0
KLHL26	Caudate	2.27E-11	0.00051	0.000384	other	0
KLHL28	Caudate	4.70E-07	-0.00072	7.85E-08	decreasing	0
KLHL32	Caudate	5.04E-09	0.000599	2.33E-05	increasing	0
KLHL35	Caudate	2.25E-12	0.000256	0.076628	other	0
KLHL36	Caudate	3.94E-09	0.000304	0.044314	other	1
KLHL4	Caudate	1.78E-16	0.000788	3.71E-10	increasing	0
KLHL40	Caudate	8.92E-08	0.000778	2.41E-09	increasing	0
KLHL7	Caudate	2.41E-08	-0.00068	4.38E-07	decreasing	0
KLK6	Caudate	1.05E-15	0.000849	2.23E-12	increasing	0
KPNA2	Caudate	1.87E-09	-0.0007	3.17E-07	decreasing	0
KPNA3	Caudate	9.93E-08	-0.00068	7.75E-07	decreasing	0
KPNA4	Caudate	1.43E-09	-0.00028	0.066223	other	0
KPNA5	Caudate	1.37E-06	-0.00074	1.64E-08	decreasing	0
KRAS	Caudate	1.23E-10	-0.00076	1.12E-08	decreasing	0
KRBA1	Caudate	9.83E-11	0.000708	2.26E-07	increasing	0
KRBA2	Caudate	9.13E-08	0.000453	0.001863	other	0
KRBOX4	Caudate	2.70E-05	0.000701	1.27E-07	increasing	0
KTN1	Caudate	2.66E-11	-0.0003	0.043752	other	0
KY	Caudate	3.81E-14	0.000871	4.29E-12	increasing	0
L3MBTL2	Caudate	7.79E-08	0.000709	2.26E-07	increasing	0
LACE1	Caudate	3.15E-07	-0.00074	2.53E-08	decreasing	0
LAMA2	Caudate	8.49E-12	-0.00079	1.50E-09	decreasing	0
LAMA4	Caudate	2.25E-11	-0.00075	9.57E-09	decreasing	0
LAMB3	Caudate	1.75E-10	0.000413	0.00389	other	0
LAMC1	Caudate	1.05E-10	-0.00074	1.88E-08	decreasing	0
LARP4	Caudate	2.14E-08	-0.00062	1.02E-05	decreasing	0
LARP6	Caudate	3.81E-09	0.000576	4.81E-05	increasing	1
LARS	Caudate	1.18E-07	-0.00068	3.66E-07	decreasing	0
LASP1	Caudate	4.14E-09	-0.00058	3.32E-05	decreasing	0
LAT	Caudate	3.96E-07	0.000743	2.53E-08	increasing	0
LBH	Caudate	6.98E-13	-0.00086	1.33E-12	decreasing	0
LBR	Caudate	1.55E-07	-0.00064	2.13E-06	decreasing	0
LCLAT1	Caudate	1.20E-12	-0.00072	4.38E-08	decreasing	0
LCORL	Caudate	2.68E-13	-0.00085	2.65E-12	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LDB1	Caudate	9.80E-12	0.000525	0.000285	other	0
LDHD	Caudate	9.37E-08	0.000674	1.15E-06	increasing	0
LEMD2	Caudate	3.18E-08	0.000219	0.14886	other	0
LEPREL1	Caudate	4.33E-08	0.000656	6.47E-07	increasing	1
LEPREL2	Caudate	4.20E-10	0.000501	0.000359	other	0
LEPREL4	Caudate	3.01E-10	0.000492	0.000392	other	0
LEPROTL1	Caudate	1.63E-07	-0.00051	0.000406	other	0
LETM1	Caudate	3.36E-10	0.000463	0.00156	other	0
LGALS2	Caudate	1.03E-07	0.000686	4.25E-07	increasing	0
LGALSL	Caudate	4.27E-12	-0.00081	1.25E-10	decreasing	0
LGI2	Caudate	2.27E-08	-0.00053	0.000158	other	0
LGI3	Caudate	3.29E-16	0.000884	5.78E-14	increasing	0
LHFPL3	Caudate	8.88E-11	-0.00085	2.82E-11	decreasing	0
LHFPL4	Caudate	1.20E-10	-5.13E-05	0.732965	other	0
LIG1	Caudate	1.81E-09	0.000345	0.015886	other	0
LIMA1	Caudate	7.64E-09	-0.00079	1.76E-09	decreasing	0
LIMCH1	Caudate	6.46E-09	0.00056	6.79E-05	increasing	0
LIMD2	Caudate	2.45E-07	0.000149	0.322898	other	0
LIME1	Caudate	3.69E-11	0.000635	5.88E-06	increasing	0
LIMK2	Caudate	1.38E-08	0.000664	1.20E-06	increasing	0
LIN7C	Caudate	1.91E-12	-0.00077	1.04E-09	decreasing	0
LINGO2	Caudate	1.28E-07	-0.00066	1.72E-06	decreasing	0
LIPE	Caudate	1.14E-09	0.000784	2.47E-09	increasing	0
LIPH	Caudate	6.51E-08	0.000762	9.49E-09	increasing	0
LIX1L	Caudate	1.95E-07	0.000551	0.000126	other	0
LLGL1	Caudate	1.19E-10	0.000653	2.42E-06	increasing	0
LMBRD1	Caudate	3.80E-09	-0.00036	0.013569	other	0
LMNA	Caudate	1.75E-08	0.000404	0.00571	other	0
LMNB2	Caudate	1.68E-10	0.000217	0.140311	other	0
LMO3	Caudate	1.63E-07	-0.00075	2.13E-08	decreasing	0
LOC103214240	Caudate	7.06E-08	-0.00035	0.017221	other	1
LOC103214253	Caudate	3.37E-15	0.000852	7.65E-12	increasing	0
LOC103214288	Caudate	3.24E-11	-7.53E-05	0.611734	other	0
LOC103214300	Caudate	2.34E-07	-0.0005	0.000397	other	0
LOC103214446	Caudate	2.17E-16	0.000873	3.84E-13	increasing	0
LOC103214510	Caudate	3.12E-09	0.000601	2.35E-05	increasing	0
LOC103214520	Caudate	1.17E-11	-0.00042	0.000134	other	0
LOC103214531	Caudate	7.99E-10	9.60E-05	0.52977	other	0
LOC103214546	Caudate	9.38E-09	-0.00066	2.35E-06	decreasing	0
LOC103214562	Caudate	5.34E-08	-0.00027	0.059325	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103214618	Caudate	6.41E-08	-7.55E-05	0.617849	other	0
LOC103214728	Caudate	5.07E-08	0.000251	0.097158	other	0
LOC103214744	Caudate	2.06E-07	0.000574	4.45E-05	increasing	0
LOC103214747	Caudate	1.34E-07	0.000658	1.07E-06	increasing	0
LOC103214772	Caudate	1.56E-09	-0.0008	1.01E-09	decreasing	0
LOC103214785	Caudate	1.88E-07	-0.00065	2.22E-06	decreasing	0
LOC103214822	Caudate	1.34E-08	0.000546	0.00014	other	0
LOC103214824	Caudate	1.27E-07	-0.00073	8.17E-08	decreasing	0
LOC103214847	Caudate	1.25E-09	0.000689	3.36E-07	increasing	0
LOC103214904	Caudate	2.97E-05	0.000721	9.44E-08	increasing	0
LOC103215235	Caudate	4.38E-09	0.000541	0.000178	other	0
LOC103215277	Caudate	3.71E-16	0.000697	1.17E-07	increasing	0
LOC103215364	Caudate	1.33E-06	0.000698	2.59E-07	increasing	0
LOC103215370	Caudate	6.13E-09	0.000332	0.026308	other	1
LOC103215486	Caudate	8.68E-06	0.000683	1.98E-07	increasing	0
LOC103215493	Caudate	6.67E-08	-0.00014	0.336265	other	0
LOC103215517	Caudate	2.89E-08	0.000675	7.26E-07	increasing	0
LOC103215726	Caudate	4.08E-09	0.000263	0.07497	other	0
LOC103215734	Caudate	1.20E-07	-0.00037	0.011655	other	0
LOC103215758	Caudate	7.18E-09	-0.00017	0.268398	other	0
LOC103215811	Caudate	1.98E-07	-0.00019	0.217671	other	0
LOC103215843	Caudate	6.79E-11	-0.00077	2.77E-09	decreasing	0
LOC103215864	Caudate	5.39E-12	0.000791	7.10E-10	increasing	0
LOC103215883	Caudate	1.09E-08	-0.00072	1.78E-08	decreasing	0
LOC103215907	Caudate	1.37E-08	0.000425	0.00401	other	0
LOC103215957	Caudate	3.31E-08	0.000698	2.48E-07	increasing	0
LOC103215963	Caudate	3.01E-10	0.000275	0.068678	other	0
LOC103216023	Caudate	3.66E-08	0.000152	0.315903	other	0
LOC103216066	Caudate	1.93E-09	0.000675	6.05E-07	increasing	0
LOC103216108	Caudate	1.41E-07	0.000683	5.00E-07	increasing	0
LOC103216190	Caudate	2.64E-12	-0.00035	0.018056	other	0
LOC103216365	Caudate	1.15E-09	0.000643	1.24E-06	increasing	0
LOC103216544	Caudate	1.54E-10	0.000706	1.46E-07	increasing	0
LOC103216563	Caudate	2.46E-07	-0.00027	0.064914	other	0
LOC103216688	Caudate	4.67E-09	0.000718	1.03E-07	increasing	0
LOC103216690	Caudate	2.19E-07	-0.00069	2.22E-07	decreasing	0
LOC103216740	Caudate	5.16E-08	0.000683	4.57E-07	increasing	0
LOC103216760	Caudate	8.34E-08	0.00033	0.025547	other	0
LOC103216779	Caudate	1.21E-07	0.000339	0.024094	other	0
LOC103216788	Caudate	6.06E-08	0.000297	0.047174	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103216985	Caudate	8.05E-09	-0.00028	0.054531	other	0
LOC103217039	Caudate	2.65E-17	0.00083	1.65E-13	increasing	0
LOC103217040	Caudate	3.70E-12	0.000785	7.53E-11	increasing	0
LOC103217121	Caudate	9.26E-10	0.000208	0.171888	other	0
LOC103217195	Caudate	1.83E-07	-0.00048	0.000917	other	0
LOC103217276	Caudate	7.44E-05	-0.00069	1.91E-07	decreasing	1
LOC103217305	Caudate	7.34E-08	2.99E-06	0.9842	other	0
LOC103217633	Caudate	7.25E-08	0.000587	2.36E-05	increasing	1
LOC103217745	Caudate	4.79E-08	-0.00058	4.69E-05	decreasing	0
LOC103217768	Caudate	1.35E-07	-0.00058	4.76E-05	decreasing	0
LOC103217882	Caudate	1.65E-12	0.000682	5.20E-07	increasing	0
LOC103217924	Caudate	1.67E-07	-0.00059	7.28E-06	decreasing	0
LOC103217926	Caudate	1.86E-08	-0.00027	0.023123	other	0
LOC103217978	Caudate	4.27E-09	-0.00076	1.31E-08	decreasing	0
LOC103218258	Caudate	3.33E-06	0.000759	1.12E-08	increasing	0
LOC103218260	Caudate	4.30E-06	0.000718	1.38E-07	increasing	0
LOC103218261	Caudate	1.09E-09	0.000793	1.52E-09	increasing	1
LOC103218284	Caudate	2.44E-09	0.000384	0.010031	other	0
LOC103218293	Caudate	1.92E-07	-0.00068	9.57E-07	decreasing	0
LOC103218319	Caudate	2.59E-09	-0.00053	0.000197	other	0
LOC103218335	Caudate	3.70E-08	0.000458	0.001633	other	0
LOC103218545	Caudate	1.70E-07	0.000633	1.95E-06	increasing	1
LOC103218621	Caudate	5.31E-08	-0.00072	6.86E-08	decreasing	0
LOC103218697	Caudate	3.80E-13	-0.00072	5.07E-08	decreasing	0
LOC103218711	Caudate	1.11E-09	-0.00029	0.050496	other	0
LOC103218764	Caudate	1.15E-07	-0.00058	3.67E-05	decreasing	0
LOC103218854	Caudate	3.04E-08	-0.00015	0.3107	other	0
LOC103218873	Caudate	1.09E-09	0.000332	0.025619	other	0
LOC103218934	Caudate	1.71E-09	0.000129	0.387994	other	0
LOC103218980	Caudate	4.75E-06	0.000742	3.63E-08	increasing	0
LOC103219243	Caudate	7.89E-08	-7.27E-05	0.631314	other	0
LOC103219257	Caudate	8.37E-10	0.00041	0.00473	other	0
LOC103219292	Caudate	1.70E-09	0.000728	6.87E-08	increasing	0
LOC103219355	Caudate	8.81E-09	0.000449	0.001803	other	0
LOC103219361	Caudate	9.04E-09	0.000697	2.10E-07	increasing	0
LOC103219369	Caudate	2.42E-06	0.000681	2.32E-07	increasing	0
LOC103219454	Caudate	2.31E-07	-0.00067	1.59E-06	decreasing	0
LOC103219603	Caudate	3.42E-05	0.000723	6.59E-08	increasing	0
LOC103219622	Caudate	9.18E-12	0.000401	0.005519	other	0
LOC103219642	Caudate	1.50E-06	0.000697	1.53E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103219657	Caudate	1.60E-07	-0.00057	5.25E-05	decreasing	0
LOC103219726	Caudate	1.19E-05	0.000712	1.87E-07	increasing	0
LOC103219832	Caudate	2.28E-16	0.000859	2.86E-13	increasing	0
LOC103219838	Caudate	5.15E-06	0.000694	9.76E-08	increasing	0
LOC103219854	Caudate	5.05E-11	0.000767	5.72E-09	increasing	0
LOC103219872	Caudate	6.89E-08	0.000712	2.42E-08	increasing	0
LOC103219893	Caudate	1.94E-10	0.000787	7.07E-10	increasing	0
LOC103219911	Caudate	6.85E-06	0.00072	1.19E-07	increasing	0
LOC103219917	Caudate	2.25E-08	-0.00041	0.004614	other	0
LOC103219923	Caudate	1.43E-08	0.000476	0.000819	other	0
LOC103220009	Caudate	9.59E-08	0.000254	0.094332	other	0
LOC103220039	Caudate	1.40E-07	7.90E-05	0.601662	other	0
LOC103220051	Caudate	2.29E-09	-0.00077	3.81E-09	decreasing	0
LOC103220055	Caudate	4.12E-13	-0.00076	5.50E-09	decreasing	0
LOC103220064	Caudate	5.44E-11	0.00071	3.63E-08	increasing	0
LOC103220067	Caudate	1.50E-12	0.000753	7.58E-09	increasing	0
LOC103220168	Caudate	4.78E-08	-6.89E-05	0.647456	other	0
LOC103220250	Caudate	8.54E-09	-0.0005	0.000534	other	1
LOC103220254	Caudate	5.24E-08	0.000444	0.002626	other	0
LOC103220286	Caudate	5.15E-07	-0.00071	1.91E-07	decreasing	0
LOC103220291	Caudate	1.62E-09	-0.00076	4.93E-09	decreasing	0
LOC103220292	Caudate	1.91E-08	-0.00073	1.73E-08	decreasing	0
LOC103220293	Caudate	9.27E-08	-0.00068	2.69E-07	decreasing	0
LOC103220295	Caudate	1.73E-09	-0.0007	1.12E-07	decreasing	0
LOC103220316	Caudate	4.61E-06	-0.00074	4.71E-08	decreasing	0
LOC103220360	Caudate	2.41E-10	0.000684	7.52E-09	increasing	0
LOC103220361	Caudate	2.43E-13	0.000828	1.08E-12	increasing	0
LOC103220457	Caudate	9.17E-09	0.000622	4.50E-06	increasing	0
LOC103220496	Caudate	1.43E-07	-0.00072	1.32E-07	decreasing	0
LOC103220516	Caudate	2.30E-07	0.000633	2.77E-06	increasing	0
LOC103221007	Caudate	3.49E-22	0.000907	1.91E-14	increasing	0
LOC103221019	Caudate	3.46E-08	-0.00023	0.125455	other	0
LOC103221138	Caudate	6.84E-10	0.000834	4.45E-11	increasing	1
LOC103221185	Caudate	4.45E-09	-0.00055	9.06E-05	decreasing	0
LOC103221248	Caudate	4.53E-09	-0.0004	0.007863	other	0
LOC103221263	Caudate	1.59E-06	0.000706	7.39E-08	increasing	0
LOC103221272	Caudate	5.69E-09	6.24E-05	0.67629	other	0
LOC103221287	Caudate	3.45E-12	-0.0008	2.63E-10	decreasing	0
LOC103221288	Caudate	4.49E-08	-0.00066	1.33E-06	decreasing	0
LOC103221289	Caudate	1.13E-07	-0.0007	3.63E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103221290	Caudate	5.72E-11	-0.00073	2.27E-08	decreasing	0
LOC103221330	Caudate	2.06E-08	-0.00056	8.68E-05	decreasing	0
LOC103221414	Caudate	1.82E-07	0.000338	0.021972	other	0
LOC103221628	Caudate	1.32E-07	-0.00055	0.00011	other	0
LOC103221735	Caudate	1.03E-08	0.000812	3.90E-10	increasing	0
LOC103221855	Caudate	5.54E-06	0.000696	1.65E-07	increasing	0
LOC103221863	Caudate	1.39E-07	0.000634	3.23E-06	increasing	1
LOC103221933	Caudate	4.11E-12	-0.00071	4.68E-08	decreasing	0
LOC103221935	Caudate	8.06E-09	-0.00061	6.89E-06	decreasing	0
LOC103221937	Caudate	3.24E-08	-0.00051	0.000406	other	1
LOC103221943	Caudate	1.33E-09	-0.00067	5.69E-07	decreasing	0
LOC103221944	Caudate	1.20E-13	-0.00078	7.69E-10	decreasing	0
LOC103221945	Caudate	7.75E-09	-0.00066	1.13E-06	decreasing	0
LOC103221946	Caudate	1.86E-07	-0.0005	0.00034	other	1
LOC103221996	Caudate	2.65E-10	-0.00071	6.84E-08	decreasing	1
LOC103221997	Caudate	4.84E-11	-0.00077	2.71E-09	decreasing	0
LOC103221998	Caudate	1.88E-12	-0.0008	2.58E-10	decreasing	0
LOC103222001	Caudate	3.20E-14	-0.00087	5.08E-13	decreasing	0
LOC103222003	Caudate	6.77E-13	-0.00081	1.11E-10	decreasing	0
LOC103222004	Caudate	4.98E-09	-0.0007	1.31E-07	decreasing	0
LOC103222006	Caudate	8.38E-14	-0.00083	2.69E-11	decreasing	0
LOC103222008	Caudate	9.86E-08	-0.00042	0.003396	other	0
LOC103222018	Caudate	1.39E-11	-0.00068	4.00E-07	decreasing	0
LOC103222019	Caudate	9.81E-08	-0.00057	4.68E-05	decreasing	0
LOC103222069	Caudate	1.48E-07	0.000649	2.89E-06	increasing	0
LOC103222075	Caudate	1.36E-17	-0.00085	2.31E-12	decreasing	0
LOC103222076	Caudate	6.03E-09	-0.00071	9.29E-08	decreasing	0
LOC103222080	Caudate	1.15E-13	-0.00083	5.79E-11	decreasing	0
LOC103222083	Caudate	1.18E-15	0.000809	1.50E-10	increasing	0
LOC103222091	Caudate	3.49E-08	0.000648	3.26E-06	increasing	1
LOC103222183	Caudate	1.23E-11	-0.0008	2.95E-10	decreasing	0
LOC103222354	Caudate	2.38E-07	0.000626	5.49E-06	increasing	0
LOC103222369	Caudate	1.49E-11	-0.00062	5.77E-06	decreasing	0
LOC103222373	Caudate	2.01E-11	-0.00075	4.78E-09	decreasing	0
LOC103222375	Caudate	4.46E-10	0.0007	9.11E-09	increasing	0
LOC103222429	Caudate	1.61E-08	-0.00045	0.001477	other	1
LOC103222460	Caudate	8.49E-07	0.000613	1.83E-07	increasing	0
LOC103222548	Caudate	6.77E-11	0.000793	7.39E-10	increasing	0
LOC103222593	Caudate	2.05E-09	0.000696	1.88E-07	increasing	0
LOC103222617	Caudate	1.01E-07	-0.00057	3.05E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103222895	Caudate	1.02E-08	0.000718	1.42E-07	increasing	0
LOC103222898	Caudate	2.74E-11	0.000771	6.48E-10	increasing	0
LOC103223006	Caudate	5.56E-10	0.000163	0.277883	other	0
LOC103223027	Caudate	2.73E-09	1.10E-05	0.93661	other	0
LOC103223065	Caudate	1.21E-11	0.000327	0.027338	other	0
LOC103223096	Caudate	5.48E-10	0.000762	9.22E-09	increasing	0
LOC103223099	Caudate	3.04E-13	0.000804	7.78E-10	increasing	0
LOC103223109	Caudate	9.06E-14	-0.00088	1.05E-12	decreasing	0
LOC103223177	Caudate	4.56E-08	-0.00061	1.86E-05	decreasing	0
LOC103223180	Caudate	2.29E-11	0.000653	1.13E-06	increasing	0
LOC103223222	Caudate	9.00E-11	0.000496	0.000634	other	0
LOC103223292	Caudate	3.36E-08	-0.00048	0.000765	other	0
LOC103223382	Caudate	1.41E-07	0.000508	0.000483	other	0
LOC103223422	Caudate	4.82E-10	0.000154	0.311184	other	0
LOC103223510	Caudate	9.44E-09	0.000739	4.54E-08	increasing	0
LOC103223548	Caudate	5.61E-12	0.000664	1.78E-06	increasing	0
LOC103223549	Caudate	1.17E-08	0.000143	0.335261	other	0
LOC103223605	Caudate	1.00E-10	0.000699	3.55E-07	increasing	0
LOC103223633	Caudate	3.56E-14	-0.00074	1.87E-08	decreasing	0
LOC103223640	Caudate	1.07E-08	0.000562	9.15E-05	increasing	0
LOC103223656	Caudate	1.47E-12	-0.00072	7.37E-08	decreasing	0
LOC103223660	Caudate	2.07E-09	-0.00072	8.86E-08	decreasing	0
LOC103223735	Caudate	1.09E-07	-0.00061	1.76E-05	decreasing	0
LOC103224173	Caudate	1.94E-10	0.00034	0.020409	other	0
LOC103224231	Caudate	3.16E-15	0.000786	4.29E-10	increasing	0
LOC103224274	Caudate	1.93E-09	0.000374	0.011269	other	0
LOC103224340	Caudate	1.94E-07	-1.99E-06	0.989643	other	0
LOC103224381	Caudate	1.58E-09	-0.00059	2.88E-05	decreasing	0
LOC103224382	Caudate	2.87E-06	-0.00073	7.20E-08	decreasing	0
LOC103224383	Caudate	8.28E-14	-0.00082	1.14E-10	decreasing	0
LOC103224393	Caudate	3.46E-08	8.16E-05	0.564841	other	0
LOC103224431	Caudate	5.41E-10	-0.00073	2.14E-08	decreasing	0
LOC103224490	Caudate	1.12E-08	-0.00017	0.23691	other	0
LOC103224548	Caudate	3.58E-12	-0.00076	1.08E-09	decreasing	0
LOC103224550	Caudate	1.98E-20	-0.00088	1.54E-14	decreasing	0
LOC103224552	Caudate	7.30E-08	-0.00055	7.62E-05	decreasing	0
LOC103224719	Caudate	1.60E-07	0.000591	1.87E-05	increasing	0
LOC103224734	Caudate	1.55E-07	-0.00068	9.22E-07	decreasing	0
LOC103224735	Caudate	2.91E-08	-0.0007	2.82E-07	decreasing	0
LOC103224769	Caudate	2.18E-08	-0.00012	0.402754	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103224848	Caudate	2.10E-10	-0.00013	0.383788	other	0
LOC103224870	Caudate	9.02E-09	-0.00019	0.206668	other	0
LOC103224888	Caudate	4.28E-11	6.92E-05	0.643359	other	0
LOC103225003	Caudate	1.04E-07	-0.00064	3.84E-06	decreasing	0
LOC103225074	Caudate	3.05E-10	0.000516	0.00039	other	0
LOC103225095	Caudate	3.68E-08	0.000379	0.009794	other	0
LOC103225256	Caudate	2.51E-07	0.000127	0.4072	other	0
LOC103225445	Caudate	2.16E-07	-0.0004	0.007124	other	1
LOC103225645	Caudate	6.57E-10	0.000755	1.78E-08	increasing	0
LOC103225699	Caudate	2.60E-08	0.00079	2.07E-09	increasing	0
LOC103225785	Caudate	6.68E-10	0.000439	0.002787	other	0
LOC103225786	Caudate	1.16E-19	0.000897	1.14E-13	increasing	0
LOC103225793	Caudate	5.75E-11	0.000799	1.07E-09	increasing	0
LOC103225801	Caudate	1.03E-08	0.000585	3.86E-05	increasing	0
LOC103225812	Caudate	2.27E-07	0.000324	0.030715	other	0
LOC103225882	Caudate	1.75E-07	0.000682	8.05E-07	increasing	0
LOC103225898	Caudate	5.27E-09	0.00074	9.55E-09	increasing	0
LOC103225917	Caudate	6.09E-09	-0.00076	1.44E-08	decreasing	0
LOC103225923	Caudate	5.30E-10	0.000457	0.001861	other	0
LOC103225931	Caudate	4.20E-08	0.000782	2.55E-09	increasing	0
LOC103225940	Caudate	4.28E-10	0.000743	2.28E-08	increasing	0
LOC103225953	Caudate	3.47E-13	0.000625	9.26E-06	increasing	0
LOC103225995	Caudate	1.14E-09	0.000486	0.000802	other	0
LOC103226072	Caudate	3.33E-09	0.000664	1.37E-06	increasing	0
LOC103226149	Caudate	2.20E-10	0.000745	3.24E-08	increasing	0
LOC103226304	Caudate	7.75E-09	0.000583	4.13E-05	increasing	0
LOC103226393	Caudate	1.21E-08	0.000217	0.151093	other	0
LOC103226462	Caudate	1.69E-10	0.000202	0.15216	other	0
LOC103226606	Caudate	8.92E-08	-0.0005	0.00066	other	0
LOC103226616	Caudate	3.52E-08	-0.00072	1.41E-07	decreasing	0
LOC103226617	Caudate	2.57E-08	-0.00076	1.16E-08	decreasing	0
LOC103226835	Caudate	9.04E-10	-0.0004	0.007321	other	0
LOC103226870	Caudate	2.73E-13	0.000758	6.35E-09	increasing	0
LOC103226908	Caudate	2.95E-15	0.000856	1.12E-12	increasing	0
LOC103226909	Caudate	2.06E-07	0.000643	2.39E-06	increasing	0
LOC103226929	Caudate	6.20E-07	0.00069	1.71E-07	increasing	1
LOC103226962	Caudate	7.40E-08	0.000676	7.80E-07	increasing	0
LOC103227009	Caudate	6.58E-11	-0.00052	0.000254	other	0
LOC103227062	Caudate	2.38E-06	0.000696	2.19E-07	increasing	0
LOC103227066	Caudate	4.39E-08	0.000735	1.33E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103227172	Caudate	6.96E-09	-0.0008	9.20E-10	decreasing	0
LOC103227190	Caudate	2.75E-11	0.000401	0.005494	other	0
LOC103227191	Caudate	3.37E-12	0.000399	0.005807	other	0
LOC103227289	Caudate	7.08E-08	0.000577	4.93E-05	increasing	0
LOC103227297	Caudate	1.18E-12	-0.00055	0.000144	other	0
LOC103227322	Caudate	1.11E-09	0.00082	2.51E-10	increasing	1
LOC103227371	Caudate	4.20E-08	0.00072	6.18E-08	increasing	0
LOC103227383	Caudate	2.33E-10	0.000304	0.043909	other	0
LOC103227384	Caudate	1.43E-07	-0.0006	1.12E-05	decreasing	0
LOC103227395	Caudate	6.34E-07	-0.00076	9.68E-09	decreasing	0
LOC103227411	Caudate	4.48E-10	0.000626	7.49E-06	increasing	0
LOC103227597	Caudate	7.76E-08	0.000249	0.099012	other	0
LOC103227720	Caudate	1.76E-07	0.000293	0.051403	other	0
LOC103227757	Caudate	1.12E-07	-0.00059	2.49E-05	decreasing	0
LOC103227769	Caudate	1.63E-09	-0.00059	3.30E-05	decreasing	0
LOC103227802	Caudate	7.67E-08	0.000561	3.85E-05	increasing	0
LOC103227848	Caudate	1.51E-08	0.000767	3.54E-09	increasing	0
LOC103227928	Caudate	4.28E-10	-0.0008	6.70E-10	decreasing	0
LOC103227940	Caudate	7.75E-08	-0.00026	0.069618	other	0
LOC103227957	Caudate	2.73E-06	0.000705	2.46E-07	increasing	0
LOC103228076	Caudate	4.26E-08	0.000325	0.025375	other	0
LOC103228084	Caudate	2.06E-08	0.000158	0.302488	other	0
LOC103228153	Caudate	2.89E-11	-0.00082	2.30E-10	decreasing	0
LOC103228253	Caudate	7.59E-07	-0.0007	2.22E-07	decreasing	0
LOC103228260	Caudate	2.05E-07	-0.00072	9.89E-08	decreasing	0
LOC103228264	Caudate	1.59E-08	-0.00075	2.82E-08	decreasing	0
LOC103228267	Caudate	4.39E-10	-0.00075	2.85E-08	decreasing	0
LOC103228268	Caudate	3.62E-08	-0.00065	3.32E-06	decreasing	0
LOC103228271	Caudate	1.96E-07	-0.00067	1.24E-06	decreasing	0
LOC103228278	Caudate	1.25E-07	-0.00068	6.53E-07	decreasing	0
LOC103228401	Caudate	2.79E-08	-0.00071	2.24E-07	decreasing	0
LOC103228405	Caudate	3.11E-09	-0.00076	1.35E-08	decreasing	0
LOC103228553	Caudate	8.09E-10	-0.00068	8.89E-07	decreasing	0
LOC103228595	Caudate	1.15E-07	-0.00076	1.55E-08	decreasing	0
LOC103228599	Caudate	2.06E-07	-0.00074	4.87E-08	decreasing	0
LOC103228601	Caudate	3.05E-08	-0.00076	1.80E-08	decreasing	0
LOC103228603	Caudate	2.17E-07	-0.00071	2.47E-07	decreasing	1
LOC103228604	Caudate	6.77E-08	-0.00076	1.28E-08	decreasing	0
LOC103228606	Caudate	5.03E-08	-0.00073	5.67E-08	decreasing	1
LOC103228607	Caudate	2.33E-13	-0.00084	1.82E-11	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103228608	Caudate	1.10E-09	-0.00081	2.94E-10	decreasing	0
LOC103228609	Caudate	5.05E-10	-0.00078	1.80E-09	decreasing	0
LOC103228627	Caudate	1.14E-08	0.000153	0.316032	other	0
LOC103228672	Caudate	2.29E-08	0.000203	0.16235	other	0
LOC103228761	Caudate	1.95E-05	-0.00072	1.18E-07	decreasing	0
LOC103228824	Caudate	5.59E-11	-0.00025	0.096298	other	0
LOC103228952	Caudate	6.30E-11	0.000604	1.89E-05	increasing	0
LOC103228978	Caudate	2.10E-10	-6.20E-05	0.676121	other	0
LOC103229131	Caudate	1.51E-07	0.000658	1.21E-06	increasing	0
LOC103229137	Caudate	9.07E-15	-0.00085	2.67E-12	decreasing	0
LOC103229191	Caudate	2.64E-06	-0.00071	9.50E-08	decreasing	0
LOC103229306	Caudate	1.86E-10	-8.39E-05	0.57461	other	0
LOC103229364	Caudate	3.77E-08	2.94E-05	0.848308	other	0
LOC103229412	Caudate	4.65E-08	-0.00073	8.15E-08	decreasing	0
LOC103229417	Caudate	5.60E-08	-0.00076	6.88E-09	decreasing	0
LOC103229418	Caudate	1.29E-09	-0.00081	4.46E-10	decreasing	0
LOC103229420	Caudate	1.16E-06	-0.00072	1.58E-07	decreasing	0
LOC103229423	Caudate	5.37E-07	-0.0007	2.15E-07	decreasing	0
LOC103229426	Caudate	1.48E-07	-0.00058	5.81E-05	decreasing	0
LOC103229468	Caudate	2.84E-10	-0.00076	5.58E-09	decreasing	0
LOC103229472	Caudate	3.07E-09	-0.0008	3.19E-10	decreasing	0
LOC103229682	Caudate	5.82E-08	0.000568	2.94E-05	increasing	0
LOC103229733	Caudate	1.13E-09	0.000704	1.87E-07	increasing	0
LOC103229888	Caudate	2.25E-08	0.000406	0.005783	other	0
LOC103229956	Caudate	7.14E-09	0.00073	2.40E-08	increasing	0
LOC103229957	Caudate	8.22E-08	0.000669	6.29E-07	increasing	0
LOC103229961	Caudate	5.17E-08	0.000784	2.58E-09	increasing	0
LOC103229978	Caudate	7.27E-09	-0.00068	3.63E-07	decreasing	0
LOC103230040	Caudate	2.90E-09	-0.00029	0.056865	other	0
LOC103230295	Caudate	1.18E-10	0.000522	0.000228	other	0
LOC103230307	Caudate	2.83E-08	0.00057	3.59E-05	increasing	1
LOC103230353	Caudate	5.70E-08	0.000631	4.80E-06	increasing	1
LOC103230361	Caudate	1.17E-06	-0.00071	1.27E-07	decreasing	0
LOC103230378	Caudate	1.47E-10	0.0002	0.184948	other	0
LOC103230493	Caudate	1.23E-10	0.000449	0.002064	other	0
LOC103230509	Caudate	1.22E-08	0.000192	0.20852	other	0
LOC103230659	Caudate	3.52E-08	-0.00038	0.009592	other	0
LOC103230736	Caudate	1.20E-08	0.000637	3.22E-06	increasing	0
LOC103230770	Caudate	5.29E-08	0.00052	0.000255	other	0
LOC103230800	Caudate	4.40E-11	-0.00073	3.87E-08	decreasing	1

Supplementary Table 9. Genes with a significant age effect from either ANOVA or linear regression. Beta is the regression coefficient, Pval is the p-value for the regression coefficient of expression on age (in days). Effect category is increasing if beta is positive and significant, decreasing if beta is negative and significant, and other if the ANOVA were significant rather than the linear regression. Local eQTL is 1 if the gene had a significant local eQTL

Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103230894	Caudate	2.44E-07	-0.00057	5.38E-05	decreasing	0
LOC103230939	Caudate	2.31E-07	8.58E-05	0.565749	other	0
LOC103230993	Caudate	1.99E-07	0.000653	7.42E-07	increasing	1
LOC103231026	Caudate	2.62E-10	0.000538	0.000143	other	0
LOC103231051	Caudate	2.38E-10	-6.99E-05	0.643787	other	0
LOC103231081	Caudate	1.01E-05	-0.00074	2.89E-08	decreasing	0
LOC103231084	Caudate	4.03E-08	-0.00046	0.001609	other	0
LOC103231096	Caudate	4.05E-19	0.00091	3.81E-14	increasing	0
LOC103231101	Caudate	7.08E-08	0.000741	5.26E-09	increasing	0
LOC103231220	Caudate	6.87E-10	0.000366	0.011203	other	0
LOC103231470	Caudate	1.82E-08	0.000567	4.03E-05	increasing	0
LOC103231548	Caudate	8.97E-20	-0.0009	3.37E-14	decreasing	0
LOC103231594	Caudate	2.72E-11	-0.00082	1.43E-10	decreasing	0
LOC103231695	Caudate	9.96E-09	0.000509	0.000462	other	0
LOC103231767	Caudate	2.54E-09	0.000569	7.33E-05	increasing	0
LOC103231791	Caudate	2.62E-08	-0.00065	1.34E-06	decreasing	0
LOC103231911	Caudate	8.50E-08	0.000556	0.000105	other	0
LOC103231930	Caudate	8.03E-09	0.000726	8.13E-08	increasing	0
LOC103231962	Caudate	5.25E-09	0.000589	3.16E-05	increasing	0
LOC103232041	Caudate	3.74E-10	7.43E-05	0.628175	other	0
LOC103232058	Caudate	2.85E-08	-0.00054	0.00017	other	0
LOC103232061	Caudate	2.84E-10	-0.00078	7.40E-10	decreasing	0
LOC103232102	Caudate	1.79E-07	-0.00011	0.444075	other	0
LOC103232103	Caudate	1.53E-11	-0.00038	0.010422	other	0
LOC103232182	Caudate	2.79E-08	-0.00013	0.408963	other	0
LOC103232225	Caudate	9.43E-09	0.000477	0.000804	other	0
LOC103232226	Caudate	3.44E-09	-0.00012	0.408521	other	0
LOC103232235	Caudate	1.10E-07	-0.00036	0.016422	other	0
LOC103232291	Caudate	3.15E-09	0.000333	0.025601	other	0
LOC103232311	Caudate	1.38E-08	-0.00066	1.31E-06	decreasing	0
LOC103232315	Caudate	7.78E-08	-5.13E-05	0.735779	other	0
LOC103232394	Caudate	7.16E-16	0.000881	8.20E-13	increasing	0
LOC103232411	Caudate	1.01E-11	0.00013	0.375566	other	0
LOC103232479	Caudate	4.29E-08	0.000176	0.250353	other	0
LOC103232497	Caudate	2.76E-09	-0.00036	0.017485	other	0
LOC103232526	Caudate	3.74E-10	0.000761	5.16E-09	increasing	0
LOC103232528	Caudate	1.91E-11	0.000388	0.009207	other	0
LOC103232553	Caudate	2.18E-07	0.000581	3.78E-05	increasing	0
LOC103232574	Caudate	4.20E-10	-2.65E-05	0.859458	other	0
LOC103232592	Caudate	1.12E-10	-0.00076	4.44E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103232593	Caudate	4.93E-10	-0.00076	8.13E-09	decreasing	0
LOC103232616	Caudate	5.15E-13	0.000463	0.001263	other	0
LOC103232654	Caudate	3.26E-09	0.000322	0.032239	other	0
LOC103232789	Caudate	7.44E-08	0.00049	0.00079	other	0
LOC103232897	Caudate	2.46E-08	0.000151	0.321459	other	0
LOC103232907	Caudate	9.13E-09	0.000489	0.000605	other	0
LOC103232958	Caudate	1.32E-07	8.17E-05	0.582482	other	0
LOC103232974	Caudate	1.10E-09	-0.00074	3.05E-08	decreasing	0
LOC103233030	Caudate	1.43E-10	0.000797	1.07E-09	increasing	0
LOC103233032	Caudate	1.64E-09	0.000725	1.74E-08	increasing	0
LOC103233100	Caudate	1.62E-07	-0.00011	0.46937	other	0
LOC103233139	Caudate	7.33E-13	0.000287	0.053255	other	0
LOC103233150	Caudate	2.06E-07	0.000319	0.032834	other	0
LOC103233400	Caudate	1.25E-13	-7.82E-05	0.600637	other	0
LOC103233443	Caudate	1.68E-06	0.000631	5.92E-08	increasing	0
LOC103233444	Caudate	5.22E-15	0.000885	3.01E-13	increasing	0
LOC103233451	Caudate	2.02E-10	0.000626	8.92E-06	increasing	0
LOC103233496	Caudate	1.32E-10	-0.00029	0.049291	other	0
LOC103233501	Caudate	8.92E-09	0.000626	4.56E-06	increasing	0
LOC103233511	Caudate	2.01E-07	0.000653	1.59E-06	increasing	0
LOC103233547	Caudate	1.21E-09	0.000812	9.32E-11	increasing	0
LOC103233554	Caudate	1.27E-09	0.000795	4.58E-10	increasing	0
LOC103233575	Caudate	1.54E-10	0.000222	0.138875	other	0
LOC103233604	Caudate	4.07E-11	0.000372	0.0105	other	0
LOC103233701	Caudate	1.25E-08	0.000419	0.004088	other	0
LOC103233755	Caudate	2.53E-07	0.000519	0.000315	other	0
LOC103233841	Caudate	7.43E-08	0.000696	1.91E-07	increasing	0
LOC103234031	Caudate	2.26E-10	0.000578	2.00E-05	increasing	0
LOC103234124	Caudate	6.77E-10	0.000518	0.000332	other	0
LOC103234134	Caudate	1.71E-07	0.000481	0.001032	other	0
LOC103234241	Caudate	1.15E-08	-0.00059	2.25E-05	decreasing	0
LOC103234252	Caudate	5.21E-07	0.000747	3.56E-09	increasing	0
LOC103234255	Caudate	9.26E-11	-0.00075	1.12E-08	decreasing	0
LOC103234265	Caudate	3.22E-09	-0.00075	1.40E-08	decreasing	0
LOC103234282	Caudate	1.22E-05	0.000693	3.33E-08	increasing	0
LOC103234302	Caudate	7.13E-08	-0.00055	8.10E-05	decreasing	0
LOC103234347	Caudate	5.69E-08	-1.73E-05	0.908159	other	0
LOC103234348	Caudate	6.87E-11	0.000664	6.47E-07	increasing	0
LOC103234372	Caudate	2.62E-07	0.000722	7.95E-08	increasing	0
LOC103234380	Caudate	2.71E-08	1.87E-05	0.901698	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103234406	Caudate	1.21E-08	-0.00035	0.016367	other	0
LOC103234416	Caudate	1.11E-12	0.000819	3.35E-11	increasing	0
LOC103234419	Caudate	1.51E-16	0.000841	8.11E-12	increasing	0
LOC103234469	Caudate	1.62E-07	0.000746	1.33E-08	increasing	0
LOC103234470	Caudate	8.68E-10	0.00065	2.99E-06	increasing	0
LOC103234473	Caudate	2.32E-07	-0.00071	9.61E-08	decreasing	0
LOC103234475	Caudate	2.23E-07	-0.00074	1.10E-08	decreasing	0
LOC103234505	Caudate	6.29E-08	0.000633	4.10E-06	increasing	0
LOC103234618	Caudate	3.27E-13	-0.00083	2.57E-11	decreasing	0
LOC103234653	Caudate	5.11E-08	0.000189	0.208134	other	0
LOC103234898	Caudate	2.65E-08	-5.81E-05	0.692228	other	0
LOC103234934	Caudate	1.26E-10	1.21E-05	0.936815	other	0
LOC103234950	Caudate	1.82E-06	0.000741	3.95E-08	increasing	0
LOC103234986	Caudate	1.22E-09	0.000716	4.13E-08	increasing	0
LOC103234988	Caudate	4.56E-12	0.000782	1.09E-09	increasing	0
LOC103235079	Caudate	2.61E-09	0.00035	0.016533	other	0
LOC103235442	Caudate	2.25E-07	0.000228	0.126106	other	0
LOC103235452	Caudate	6.45E-11	0.000514	0.000404	other	0
LOC103235514	Caudate	2.50E-07	-0.0006	1.42E-05	decreasing	0
LOC103235525	Caudate	5.03E-06	0.000741	4.00E-08	increasing	0
LOC103235590	Caudate	5.48E-08	-0.00028	0.043795	other	0
LOC103235597	Caudate	1.58E-09	-0.00055	9.05E-05	decreasing	0
LOC103235629	Caudate	2.20E-07	-0.00023	0.129523	other	0
LOC103235723	Caudate	3.10E-09	0.000181	0.232403	other	0
LOC103235802	Caudate	4.72E-05	-0.0007	1.60E-07	decreasing	0
LOC103235911	Caudate	3.99E-08	0.000563	8.47E-05	increasing	0
LOC103235940	Caudate	4.59E-08	0.000562	4.80E-05	increasing	0
LOC103236025	Caudate	5.46E-08	0.000524	0.000141	other	0
LOC103236032	Caudate	3.65E-08	-0.00038	0.008936	other	0
LOC103236037	Caudate	4.26E-08	-0.00056	9.40E-05	decreasing	0
LOC103236164	Caudate	3.11E-10	-0.00021	0.161073	other	0
LOC103236167	Caudate	3.37E-09	0.000677	6.61E-07	increasing	0
LOC103236536	Caudate	1.53E-07	0.000609	1.09E-05	increasing	0
LOC103236776	Caudate	7.71E-10	0.000753	1.07E-08	increasing	0
LOC103236781	Caudate	1.22E-09	-0.00053	0.000188	other	0
LOC103236784	Caudate	2.31E-12	0.0008	2.28E-10	increasing	0
LOC103236856	Caudate	2.13E-08	0.000501	0.000578	other	0
LOC103236915	Caudate	5.69E-08	0.000524	0.000198	other	1
LOC103236916	Caudate	2.26E-08	0.000137	0.355118	other	1
LOC103236962	Caudate	9.84E-10	-0.00073	3.80E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103236980	Caudate	1.42E-07	-1.65E-05	0.911363	other	0
LOC103237093	Caudate	8.40E-12	-0.00074	1.94E-08	decreasing	0
LOC103237228	Caudate	1.66E-07	0.00017	0.263	other	0
LOC103237276	Caudate	5.54E-10	-7.58E-05	0.617955	other	0
LOC103237309	Caudate	1.71E-07	-0.00073	9.09E-08	decreasing	0
LOC103237319	Caudate	1.52E-07	-0.00063	6.53E-06	decreasing	0
LOC103237355	Caudate	4.78E-09	-0.00063	6.41E-06	decreasing	0
LOC103237383	Caudate	6.33E-11	-0.00081	6.54E-10	decreasing	0
LOC103237511	Caudate	1.06E-16	0.000758	5.54E-09	increasing	0
LOC103237514	Caudate	6.25E-08	0.000134	0.374881	other	0
LOC103237527	Caudate	8.39E-09	0.000771	6.83E-09	increasing	0
LOC103237606	Caudate	2.16E-07	0.000661	2.04E-06	increasing	0
LOC103237688	Caudate	4.75E-08	-0.00024	0.114889	other	0
LOC103237726	Caudate	1.40E-07	-0.00034	0.019062	other	0
LOC103237731	Caudate	1.17E-07	0.000715	1.34E-07	increasing	0
LOC103237740	Caudate	6.21E-09	0.000553	0.000109	other	0
LOC103237777	Caudate	9.64E-11	0.000829	1.17E-10	increasing	0
LOC103237779	Caudate	2.31E-13	0.000187	0.212985	other	0
LOC103237807	Caudate	4.02E-09	0.000159	0.284175	other	0
LOC103237843	Caudate	2.23E-09	0.000603	1.23E-05	increasing	0
LOC103237998	Caudate	1.54E-09	0.000676	3.66E-07	increasing	0
LOC103237999	Caudate	9.48E-10	0.000766	3.16E-09	increasing	1
LOC103238059	Caudate	2.95E-08	0.000158	0.30101	other	0
LOC103238143	Caudate	1.78E-10	0.000424	0.002641	other	0
LOC103238230	Caudate	5.41E-08	9.24E-05	0.535992	other	0
LOC103238275	Caudate	2.34E-10	0.000526	0.000277	other	0
LOC103238352	Caudate	4.81E-13	0.000751	1.20E-13	increasing	0
LOC103238411	Caudate	1.11E-09	-0.00081	6.60E-10	decreasing	0
LOC103238427	Caudate	9.01E-07	0.000756	1.18E-08	increasing	0
LOC103238480	Caudate	8.27E-08	0.00062	1.16E-05	increasing	0
LOC103238484	Caudate	2.32E-08	0.000672	1.09E-06	increasing	0
LOC103238601	Caudate	8.52E-08	0.000119	0.435243	other	0
LOC103238617	Caudate	5.03E-12	-0.00077	1.83E-09	decreasing	0
LOC103238689	Caudate	2.81E-11	-0.00078	1.26E-09	decreasing	0
LOC103238753	Caudate	9.47E-08	-4.72E-05	0.747475	other	0
LOC103238760	Caudate	5.04E-08	-0.00034	0.023235	other	0
LOC103238816	Caudate	2.91E-10	-0.0007	1.12E-07	decreasing	0
LOC103238828	Caudate	6.44E-09	-0.00038	0.011218	other	0
LOC103238839	Caudate	5.18E-09	-0.00079	2.45E-09	decreasing	0
LOC103238840	Caudate	5.93E-08	-0.00073	5.90E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103239108	Caudate	2.58E-11	-3.13E-05	0.837142	other	0
LOC103239234	Caudate	2.58E-05	0.00068	1.88E-07	increasing	1
LOC103239292	Caudate	6.69E-10	0.000282	0.055136	other	0
LOC103239363	Caudate	8.28E-10	0.000338	0.023917	other	0
LOC103239473	Caudate	2.88E-10	-0.00061	1.46E-05	decreasing	0
LOC103239626	Caudate	1.30E-07	-0.00069	1.97E-07	decreasing	0
LOC103239649	Caudate	5.99E-08	0.000703	8.13E-08	increasing	0
LOC103239704	Caudate	2.38E-10	0.000752	1.80E-08	increasing	0
LOC103239792	Caudate	1.01E-07	-6.34E-05	0.67471	other	0
LOC103239802	Caudate	5.07E-08	0.000668	1.30E-06	increasing	0
LOC103239864	Caudate	2.29E-10	-0.00079	2.60E-09	decreasing	0
LOC103239908	Caudate	1.20E-08	0.000661	7.61E-07	increasing	0
LOC103239946	Caudate	4.96E-08	-0.00014	0.34375	other	0
LOC103239962	Caudate	7.47E-11	0.000796	5.06E-10	increasing	0
LOC103239981	Caudate	9.96E-08	0.000696	1.97E-07	increasing	0
LOC103240081	Caudate	4.91E-09	0.000591	3.05E-05	increasing	0
LOC103240085	Caudate	1.12E-08	0.000289	0.053407	other	0
LOC103240099	Caudate	1.04E-07	1.72E-05	0.902767	other	0
LOC103240143	Caudate	7.34E-09	-0.00015	0.315084	other	0
LOC103240270	Caudate	1.72E-07	-0.00033	0.024373	other	1
LOC103240400	Caudate	9.66E-13	0.000781	1.65E-09	increasing	0
LOC103240479	Caudate	9.20E-09	-0.00073	3.21E-08	decreasing	0
LOC103240517	Caudate	2.41E-09	-0.00016	0.285561	other	0
LOC103240632	Caudate	2.35E-07	-0.00062	1.17E-05	decreasing	0
LOC103240698	Caudate	2.96E-05	-0.00073	8.02E-08	decreasing	0
LOC103240739	Caudate	1.24E-07	-0.00021	0.162877	other	0
LOC103240747	Caudate	3.99E-08	-0.00067	9.42E-07	decreasing	1
LOC103240867	Caudate	3.88E-10	-0.00058	4.89E-05	decreasing	0
LOC103240892	Caudate	6.52E-07	-0.00077	8.00E-09	decreasing	0
LOC103240893	Caudate	6.71E-08	-0.00076	1.55E-08	decreasing	0
LOC103240894	Caudate	4.07E-09	-0.0008	1.41E-09	decreasing	0
LOC103240895	Caudate	3.34E-07	-0.00074	3.27E-08	decreasing	0
LOC103240939	Caudate	1.64E-07	-0.00046	0.001712	other	1
LOC103240941	Caudate	1.80E-07	-0.00042	0.003507	other	0
LOC103240952	Caudate	1.73E-07	0.00061	1.37E-05	increasing	1
LOC103240993	Caudate	3.81E-05	0.000722	1.05E-07	increasing	0
LOC103241014	Caudate	1.41E-07	-0.00019	0.218396	other	0
LOC103241031	Caudate	1.04E-07	0.000435	0.00302	other	0
LOC103241038	Caudate	1.16E-10	0.000679	1.96E-07	increasing	0
LOC103241174	Caudate	1.16E-07	-0.00063	3.91E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103241683	Caudate	1.13E-10	0.000786	1.43E-09	increasing	0
LOC103241714	Caudate	9.07E-08	0.000139	0.36305	other	0
LOC103241820	Caudate	6.40E-09	0.000596	2.65E-05	increasing	0
LOC103241899	Caudate	9.18E-09	0.000336	0.021319	other	0
LOC103241967	Caudate	2.03E-08	0.000763	4.67E-09	increasing	1
LOC103242002	Caudate	3.90E-09	0.000373	0.012708	other	0
LOC103242062	Caudate	1.25E-07	0.000417	0.004484	other	0
LOC103242120	Caudate	3.54E-11	-0.00019	0.187827	other	0
LOC103242178	Caudate	6.40E-08	0.000285	0.053025	other	0
LOC103242238	Caudate	8.08E-11	0.000676	8.75E-07	increasing	0
LOC103242416	Caudate	1.87E-09	-0.00069	4.40E-07	decreasing	0
LOC103242421	Caudate	2.13E-07	0.000731	6.98E-08	increasing	0
LOC103242629	Caudate	1.16E-08	0.000685	3.73E-07	increasing	0
LOC103242643	Caudate	5.39E-14	0.000833	1.59E-11	increasing	0
LOC103242699	Caudate	2.24E-10	0.000474	0.000977	other	0
LOC103242716	Caudate	3.90E-05	0.000701	1.47E-07	increasing	1
LOC103242839	Caudate	1.01E-07	0.000485	0.000917	other	0
LOC103242925	Caudate	9.37E-12	0.000603	7.38E-06	increasing	0
LOC103242949	Caudate	4.76E-09	0.000103	0.492218	other	0
LOC103243100	Caudate	3.02E-12	0.000858	1.27E-11	increasing	0
LOC103243139	Caudate	5.65E-09	0.000598	1.59E-05	increasing	0
LOC103243152	Caudate	3.72E-08	0.000139	0.358307	other	0
LOC103243159	Caudate	3.50E-11	-0.00061	6.04E-06	decreasing	0
LOC103243190	Caudate	3.50E-09	0.000675	1.11E-06	increasing	0
LOC103243191	Caudate	4.99E-08	0.000117	0.442514	other	0
LOC103243230	Caudate	1.28E-08	0.000677	7.84E-07	increasing	0
LOC103243234	Caudate	7.92E-12	0.000575	4.76E-05	increasing	0
LOC103243287	Caudate	1.25E-09	0.000723	4.39E-08	increasing	0
LOC103243335	Caudate	7.91E-08	0.000599	2.25E-05	increasing	0
LOC103243427	Caudate	1.58E-07	0.000621	1.02E-05	increasing	0
LOC103243440	Caudate	1.41E-07	0.000739	4.64E-08	increasing	1
LOC103243446	Caudate	2.96E-08	0.0007	3.01E-07	increasing	0
LOC103243458	Caudate	3.33E-12	0.000822	9.47E-11	increasing	0
LOC103243459	Caudate	7.02E-09	0.000781	1.68E-11	increasing	0
LOC103243667	Caudate	1.07E-05	0.000728	8.09E-08	increasing	0
LOC103243675	Caudate	1.99E-06	0.00075	2.34E-08	increasing	0
LOC103243707	Caudate	2.13E-07	0.000702	3.00E-07	increasing	0
LOC103243721	Caudate	1.16E-07	0.000158	0.285267	other	0
LOC103243722	Caudate	2.57E-10	0.000295	0.043098	other	0
LOC103243880	Caudate	4.93E-08	0.000427	0.002426	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103243906	Caudate	1.79E-08	-0.00063	4.89E-06	decreasing	0
LOC103243907	Caudate	5.00E-12	-0.00023	0.116092	other	0
LOC103243909	Caudate	3.82E-09	-0.00036	0.014949	other	0
LOC103243940	Caudate	2.12E-07	-0.00057	4.56E-05	decreasing	1
LOC103244047	Caudate	5.05E-10	0.000778	1.13E-09	increasing	0
LOC103244172	Caudate	8.67E-08	2.88E-05	0.851313	other	0
LOC103244243	Caudate	4.21E-12	0.000821	2.32E-10	increasing	0
LOC103244257	Caudate	1.68E-09	-0.00013	0.386066	other	0
LOC103244355	Caudate	2.29E-08	0.000384	0.009881	other	0
LOC103244555	Caudate	1.57E-08	-0.00073	6.35E-08	decreasing	0
LOC103244672	Caudate	4.08E-09	0.000112	0.463269	other	0
LOC103244676	Caudate	9.01E-08	-0.00029	0.045042	other	0
LOC103244678	Caudate	3.61E-08	-0.00057	4.17E-05	decreasing	0
LOC103244679	Caudate	3.14E-09	-0.00059	3.63E-05	decreasing	0
LOC103244683	Caudate	1.19E-07	-0.00056	6.38E-05	decreasing	0
LOC103244731	Caudate	2.40E-07	-6.71E-05	0.662239	other	0
LOC103244868	Caudate	1.10E-15	0.000852	4.01E-12	increasing	0
LOC103244941	Caudate	3.86E-09	0.000312	0.036787	other	0
LOC103245038	Caudate	1.02E-07	0.000687	2.07E-07	increasing	0
LOC103245076	Caudate	3.76E-09	0.000287	0.049491	other	0
LOC103245173	Caudate	6.17E-09	-0.00074	5.83E-09	decreasing	0
LOC103245175	Caudate	4.01E-13	-0.0008	1.22E-10	decreasing	0
LOC103245180	Caudate	3.41E-10	-0.0006	1.22E-05	decreasing	0
LOC103245191	Caudate	1.77E-12	-0.00082	2.75E-10	decreasing	0
LOC103245262	Caudate	6.08E-10	0.000651	2.89E-06	increasing	0
LOC103245291	Caudate	2.38E-10	0.000774	5.51E-09	increasing	0
LOC103245361	Caudate	1.70E-08	0.00069	9.89E-08	increasing	0
LOC103245389	Caudate	1.39E-07	0.000667	5.68E-07	increasing	0
LOC103245450	Caudate	3.36E-13	0.000518	0.000368	other	0
LOC103245600	Caudate	7.88E-09	0.000185	0.220568	other	0
LOC103245736	Caudate	8.91E-08	0.000662	1.16E-06	increasing	1
LOC103245737	Caudate	1.73E-18	0.000882	5.39E-13	increasing	0
LOC103245897	Caudate	4.77E-10	-0.0008	3.14E-10	decreasing	0
LOC103245947	Caudate	1.27E-08	0.000477	0.000805	other	0
LOC103246021	Caudate	2.81E-09	0.000713	1.75E-07	increasing	0
LOC103246023	Caudate	4.71E-11	0.000747	2.81E-08	increasing	0
LOC103246025	Caudate	3.09E-09	0.000716	7.43E-08	increasing	0
LOC103246030	Caudate	7.61E-13	0.000718	9.04E-08	increasing	0
LOC103246043	Caudate	1.51E-08	-0.0002	0.184473	other	0
LOC103246114	Caudate	3.45E-10	0.000226	0.133048	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103246153	Caudate	4.77E-09	-0.00044	0.002964	other	0
LOC103246220	Caudate	1.34E-06	0.000727	3.56E-08	increasing	0
LOC103246334	Caudate	3.44E-10	-0.00075	3.16E-09	decreasing	0
LOC103246345	Caudate	5.73E-08	0.000717	2.34E-08	increasing	0
LOC103246347	Caudate	1.20E-06	0.000679	2.01E-07	increasing	0
LOC103246417	Caudate	1.20E-09	0.000453	0.001951	other	0
LOC103246495	Caudate	1.84E-08	0.000529	0.000223	other	0
LOC103246522	Caudate	1.33E-09	-0.00074	1.88E-08	decreasing	0
LOC103246533	Caudate	2.41E-08	-0.0001	0.497134	other	0
LOC103246546	Caudate	2.30E-08	0.000404	0.006294	other	0
LOC103246562	Caudate	2.54E-06	0.000704	2.55E-07	increasing	1
LOC103246613	Caudate	1.27E-07	0.000297	0.039043	other	0
LOC103246651	Caudate	2.68E-12	-0.00087	3.57E-12	decreasing	0
LOC103246661	Caudate	4.74E-08	0.000407	0.005735	other	0
LOC103246814	Caudate	6.71E-09	-0.00014	0.361264	other	0
LOC103246838	Caudate	7.31E-11	0.000388	0.007452	other	0
LOC103246839	Caudate	1.10E-08	0.000766	9.64E-09	increasing	0
LOC103246928	Caudate	1.38E-13	0.000792	1.22E-09	increasing	0
LOC103246945	Caudate	5.95E-11	0.000702	3.14E-07	increasing	0
LOC103246970	Caudate	1.79E-10	9.97E-06	0.94772	other	0
LOC103247226	Caudate	5.72E-14	0.00063	2.27E-06	increasing	0
LOC103247904	Caudate	5.71E-11	-0.00024	0.044942	other	0
LOC103248139	Caudate	6.39E-10	-0.00083	4.57E-11	decreasing	0
LOC103248140	Caudate	6.49E-13	-0.00086	4.50E-12	decreasing	0
LOC103248141	Caudate	2.24E-11	-0.00083	7.19E-11	decreasing	0
LOC103248297	Caudate	1.31E-11	-0.00077	3.02E-09	decreasing	0
LOC103248300	Caudate	1.72E-09	-0.00069	1.55E-07	decreasing	0
LOC103248301	Caudate	2.07E-08	-0.00074	1.28E-08	decreasing	0
LOC103248302	Caudate	7.61E-13	-0.00083	6.46E-11	decreasing	0
LOC103248307	Caudate	4.10E-08	-0.00077	3.02E-09	decreasing	0
LOC103248308	Caudate	6.24E-09	-0.00073	3.05E-08	decreasing	0
LOC103248381	Caudate	1.55E-08	-0.0008	1.17E-09	decreasing	0
LOC103248471	Caudate	6.27E-08	-0.00047	0.001247	other	0
LOC103248619	Caudate	3.58E-08	0.000482	0.000934	other	0
LOC103248736	Caudate	6.23E-10	8.58E-05	0.57002	other	0
LOC103248816	Caudate	9.97E-07	0.000674	2.60E-07	increasing	0
LOC103248823	Caudate	4.99E-10	-0.00036	0.012733	other	0
LOC103248872	Caudate	2.81E-08	-0.00074	3.32E-08	decreasing	0
LOC103248873	Caudate	6.69E-09	-0.00072	7.33E-08	decreasing	0
LOC103248881	Caudate	4.28E-08	-0.00071	2.46E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103248888	Caudate	5.10E-08	0.000749	2.51E-08	increasing	0
LOC103248909	Caudate	1.98E-07	0.000572	5.38E-05	increasing	0
LOC103248985	Caudate	5.86E-09	0.000711	8.81E-08	increasing	0
LOH12CR1	Caudate	1.58E-07	0.000691	3.13E-07	increasing	0
LONP1	Caudate	2.08E-10	0.000541	0.000183	other	0
LONRF2	Caudate	7.69E-12	0.000804	1.11E-10	increasing	0
LOXHD1	Caudate	1.27E-07	-0.00062	7.37E-06	decreasing	1
LPAR1	Caudate	1.60E-11	0.000767	2.43E-09	increasing	0
LPCAT4	Caudate	5.68E-08	0.000585	2.35E-05	increasing	0
LPHN2	Caudate	5.92E-11	-0.00074	1.63E-08	decreasing	0
LRCH2	Caudate	1.74E-09	-0.00076	1.42E-08	decreasing	0
LRCH4	Caudate	3.04E-10	0.000818	2.12E-10	increasing	0
LRFN1	Caudate	2.60E-07	0.000685	6.46E-07	increasing	0
LRFN4	Caudate	2.63E-10	-0.0001	0.479848	other	0
LRP3	Caudate	1.24E-10	0.000482	0.000991	other	0
LRP4	Caudate	1.21E-08	0.000725	5.11E-08	increasing	0
LRP8	Caudate	4.30E-09	-0.00071	7.08E-08	decreasing	0
LRRC10B	Caudate	9.64E-09	0.000383	0.007743	other	0
LRRC14	Caudate	7.96E-12	0.000432	0.003485	other	0
LRRC20	Caudate	8.19E-08	0.000436	0.003169	other	0
LRRC24	Caudate	2.76E-09	0.000537	0.000204	other	0
LRRC3	Caudate	9.58E-14	0.000879	1.27E-12	increasing	0
LRRC3B	Caudate	3.81E-10	-0.00078	1.31E-09	decreasing	0
LRRC40	Caudate	2.41E-08	-0.00079	1.22E-09	decreasing	0
LRRC41	Caudate	2.01E-08	0.000391	0.008165	other	0
LRRC47	Caudate	8.53E-12	0.000652	3.03E-06	increasing	0
LRRC49	Caudate	9.43E-07	-0.00074	2.07E-08	decreasing	0
LRRC4C	Caudate	5.28E-08	-0.00077	8.05E-09	decreasing	0
LRRC55	Caudate	1.17E-07	-0.00043	0.002699	other	0
LRRC56	Caudate	2.39E-08	0.000241	0.103778	other	0
LRRC7	Caudate	1.33E-09	-0.00071	1.98E-07	decreasing	0
LRRC75A	Caudate	9.37E-09	0.000769	7.62E-09	increasing	0
LRRC8B	Caudate	8.62E-09	-0.00059	2.43E-05	decreasing	0
LRRC8C	Caudate	1.03E-08	-0.00063	6.39E-06	decreasing	0
LRRN1	Caudate	2.54E-14	-0.00082	2.19E-10	decreasing	0
LRRTM3	Caudate	3.11E-09	-0.00074	3.48E-08	decreasing	0
LRSAM1	Caudate	6.00E-10	0.000737	4.85E-08	increasing	0
LRTM2	Caudate	9.39E-09	0.000327	0.022523	other	0
LRWD1	Caudate	6.89E-08	0.000193	0.18574	other	0
LSM12	Caudate	1.34E-08	-0.00065	3.23E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LSM4	Caudate	7.42E-08	0.000169	0.265558	other	0
LSS	Caudate	1.06E-10	0.00045	0.002136	other	0
LTBP1	Caudate	4.63E-08	-0.00062	5.88E-06	decreasing	0
LTBP4	Caudate	1.06E-07	0.000733	5.46E-08	increasing	1
LY6E	Caudate	2.35E-07	0.000611	1.53E-05	increasing	1
LYNX1	Caudate	1.24E-09	0.00044	0.002156	other	0
LYPD1	Caudate	1.39E-07	-0.0006	1.35E-05	decreasing	0
LYPLA1	Caudate	2.80E-06	-0.00073	5.41E-08	decreasing	0
LYVE1	Caudate	8.49E-08	-0.00056	8.25E-05	decreasing	0
LZTR1	Caudate	3.00E-09	0.000739	4.03E-08	increasing	0
LZTS2	Caudate	7.70E-15	0.000839	5.97E-11	increasing	0
MACROD1	Caudate	2.03E-12	0.000748	2.20E-08	increasing	0
MAD1L1	Caudate	4.70E-11	0.000245	0.097504	other	0
MAGI3	Caudate	4.02E-08	-0.00071	1.62E-07	decreasing	0
MAL	Caudate	1.96E-07	0.000636	2.98E-06	increasing	0
MAN1B1	Caudate	2.33E-09	0.000366	0.014208	other	0
MAN2A1	Caudate	8.35E-08	0.000106	0.47769	other	0
MAN2A2	Caudate	4.65E-10	0.000818	1.16E-10	increasing	0
MAN2B2	Caudate	3.72E-07	0.000714	1.43E-07	increasing	1
MAN2C1	Caudate	5.38E-14	0.000845	8.04E-12	increasing	0
MANEA	Caudate	2.67E-05	-0.0007	1.50E-07	decreasing	0
MAP1LC3A	Caudate	2.50E-07	1.19E-05	0.9371	other	0
MAP1S	Caudate	2.82E-09	0.000793	7.37E-10	increasing	0
MAP2K2	Caudate	3.01E-11	0.000495	0.000687	other	0
MAP2K3	Caudate	7.45E-11	0.000819	1.40E-10	increasing	0
MAP2K7	Caudate	1.00E-10	0.000561	9.41E-05	increasing	0
MAP3K1	Caudate	1.11E-10	-0.00075	1.32E-08	decreasing	0
MAP3K10	Caudate	1.68E-08	0.000541	0.000165	other	0
MAP3K11	Caudate	2.81E-10	0.000682	7.41E-07	increasing	0
MAP3K12	Caudate	2.27E-09	0.00026	0.081972	other	0
MAP3K2	Caudate	4.44E-09	-0.00073	6.55E-08	decreasing	0
MAP3K3	Caudate	1.07E-08	0.000606	1.92E-05	increasing	0
MAP3K6	Caudate	2.40E-13	0.000872	1.53E-12	increasing	0
MAP3K7	Caudate	6.42E-09	-0.0006	2.55E-05	decreasing	0
MAP4K2	Caudate	2.95E-10	0.000699	3.11E-07	increasing	0
MAP4K3	Caudate	1.61E-08	-0.00074	4.30E-08	decreasing	0
MAP6D1	Caudate	2.31E-11	0.000811	2.88E-10	increasing	0
MAP7	Caudate	1.91E-08	0.00059	1.93E-05	increasing	0
MAP7D1	Caudate	7.31E-14	0.000844	2.88E-11	increasing	0
MAPK11	Caudate	1.16E-10	0.000551	0.000123	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MAPK12	Caudate	1.22E-07	0.00058	4.98E-05	increasing	0
MAPK13	Caudate	2.56E-08	0.0008	7.15E-10	increasing	0
MAPK1IP1L	Caudate	4.16E-10	-0.00041	0.005561	other	0
MAPK3	Caudate	1.20E-10	0.000683	3.11E-07	increasing	0
MAPK8	Caudate	8.57E-19	-0.0009	5.02E-14	decreasing	0
MAPK8IP1	Caudate	1.63E-11	0.000526	0.000277	other	0
MAPK8IP2	Caudate	7.65E-12	0.000711	2.00E-07	increasing	0
MAPK8IP3	Caudate	1.62E-12	0.00068	8.61E-07	increasing	0
MAPRE1	Caudate	2.38E-13	-0.00083	7.07E-11	decreasing	0
MARCH5	Caudate	1.51E-07	-0.00071	1.92E-07	decreasing	0
MARCH8	Caudate	1.59E-14	0.000865	4.68E-13	increasing	0
MARCH9	Caudate	1.65E-10	4.66E-05	0.755236	other	0
MARCKS	Caudate	5.65E-14	-0.0008	9.01E-11	decreasing	0
MARCKSL1	Caudate	4.43E-09	-0.00041	0.003844	other	0
MARK1	Caudate	1.74E-13	-0.00085	2.07E-11	decreasing	0
MARK3	Caudate	2.14E-08	-0.00058	3.89E-05	decreasing	0
MARS	Caudate	8.33E-08	0.000226	0.137564	other	0
MAT2A	Caudate	4.73E-08	-0.00024	0.113347	other	0
MATN3	Caudate	1.14E-07	-0.00068	4.16E-07	decreasing	1
MAU2	Caudate	8.45E-12	0.000468	0.001097	other	0
MAZ	Caudate	3.36E-10	-0.00043	0.002747	other	0
MB21D2	Caudate	3.16E-08	-0.00053	0.000164	other	0
MBD1	Caudate	1.93E-09	0.000371	0.01269	other	0
MBD3	Caudate	5.62E-08	0.000468	0.001419	other	0
MBIP	Caudate	8.07E-09	-0.00027	0.07755	other	1
MBLAC1	Caudate	3.53E-09	0.000585	3.69E-05	increasing	0
MBNL1	Caudate	1.23E-08	-0.00056	6.39E-05	decreasing	0
MBNL2	Caudate	5.06E-12	-6.63E-05	0.659027	other	0
MBOAT7	Caudate	6.11E-12	0.000783	8.08E-10	increasing	0
MBP	Caudate	1.51E-12	0.000764	2.84E-09	increasing	0
MCC	Caudate	5.94E-12	0.00027	0.069593	other	0
MCF2L	Caudate	1.69E-09	0.000693	4.83E-07	increasing	0
MCF2L2	Caudate	2.37E-12	0.000801	1.45E-10	increasing	1
MCM2	Caudate	1.94E-11	0.000166	0.271787	other	0
MCM3AP	Caudate	4.17E-09	0.000443	0.002687	other	0
MCM7	Caudate	1.44E-10	0.000248	0.087318	other	0
MCTP1	Caudate	3.12E-11	-0.00027	0.065714	other	0
MCU	Caudate	4.47E-08	-0.00073	3.06E-08	decreasing	0
MEAF6	Caudate	6.12E-09	-0.00021	0.16029	other	0
MECR	Caudate	6.88E-11	0.000161	0.277886	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MED13	Caudate	5.86E-09	-0.0006	2.71E-05	decreasing	0
MED16	Caudate	3.39E-10	0.000577	5.19E-05	increasing	0
MED22	Caudate	3.36E-09	0.000405	0.005576	other	0
MED25	Caudate	2.25E-09	0.000489	0.000438	other	0
MEF2C	Caudate	2.93E-18	-0.00084	6.25E-12	decreasing	0
MEGF10	Caudate	2.41E-09	0.000688	2.88E-07	increasing	0
MEGF6	Caudate	9.26E-09	0.000662	2.03E-06	increasing	0
MEGF8	Caudate	2.42E-11	0.00062	1.15E-05	increasing	0
MEIS2	Caudate	4.04E-09	-0.00072	3.18E-08	decreasing	0
MEPCE	Caudate	2.76E-10	0.000773	5.72E-09	increasing	0
MEST	Caudate	1.71E-11	-0.00047	0.000803	other	0
METRN	Caudate	1.02E-08	0.000286	0.056348	other	0
METTL12	Caudate	2.67E-09	0.000281	0.057356	other	0
METTL16	Caudate	2.97E-10	0.000833	9.65E-11	increasing	0
METTL7B	Caudate	2.28E-07	0.000676	6.99E-07	increasing	0
MEX3A	Caudate	6.74E-09	-0.00064	2.86E-06	decreasing	0
MEX3B	Caudate	2.03E-08	-0.00054	7.69E-05	decreasing	0
MEX3C	Caudate	2.15E-09	-0.00067	5.53E-07	decreasing	0
MEX3D	Caudate	3.94E-10	0.00017	0.252501	other	0
MFAP3	Caudate	6.21E-18	-0.00087	1.79E-12	decreasing	0
MFHAS1	Caudate	6.56E-08	0.000269	0.076163	other	0
MFSD10	Caudate	8.87E-08	0.000314	0.032919	other	0
MFSD3	Caudate	3.53E-08	0.000413	0.005424	other	0
MFSD8	Caudate	1.23E-07	-0.00069	5.38E-07	decreasing	0
MGAT1	Caudate	2.51E-08	0.000555	0.000114	other	0
MGAT3	Caudate	1.54E-07	0.000683	7.85E-07	increasing	0
MGAT4A	Caudate	6.81E-08	-0.00075	2.59E-08	decreasing	0
MGAT4B	Caudate	1.09E-11	0.000225	0.128527	other	0
MGAT4C	Caudate	4.56E-13	-0.00078	1.44E-09	decreasing	0
MGAT5	Caudate	1.01E-07	-0.00074	3.74E-08	decreasing	0
MGST1	Caudate	8.66E-19	-0.00081	3.00E-10	decreasing	0
MIB2	Caudate	1.63E-11	0.000581	4.59E-05	increasing	0
MICAL2	Caudate	7.51E-14	0.00083	2.10E-11	increasing	0
MID1	Caudate	1.06E-07	-0.00044	0.003022	other	0
MID1IP1	Caudate	1.45E-20	0.000882	3.18E-13	increasing	0
MIEF2	Caudate	3.27E-08	0.000423	0.003706	other	0
MIER1	Caudate	2.61E-11	-0.00033	0.024346	other	0
MIIP	Caudate	6.99E-08	0.000596	2.77E-05	increasing	0
MINK1	Caudate	2.02E-09	0.000708	1.14E-07	increasing	0
MKI67	Caudate	2.72E-09	-0.00069	2.97E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MKLN1	Caudate	3.87E-08	0.00014	0.344382	other	0
MKRN3	Caudate	7.18E-13	-0.00078	1.55E-09	decreasing	0
MLC1	Caudate	1.96E-07	0.000349	0.016717	other	0
MLLT11	Caudate	1.14E-10	-0.00053	0.000144	other	0
MLLT4	Caudate	3.27E-11	-0.0007	1.37E-07	decreasing	0
MLLT6	Caudate	7.07E-06	0.000712	1.45E-07	increasing	0
MLPH	Caudate	2.34E-07	0.000756	7.94E-09	increasing	0
MLST8	Caudate	1.13E-09	0.000343	0.022406	other	0
MLYCD	Caudate	4.50E-12	0.000226	0.135142	other	0
MMD	Caudate	7.99E-13	-0.00085	1.04E-11	decreasing	0
MMGT1	Caudate	5.28E-10	-0.00048	0.000968	other	0
MMP16	Caudate	1.51E-19	-0.00088	2.76E-13	decreasing	0
MMP2	Caudate	1.21E-08	-0.0007	1.96E-07	decreasing	0
MMP23B	Caudate	1.80E-07	0.000773	6.07E-09	increasing	0
MMP24	Caudate	7.25E-10	-0.00016	0.291543	other	0
MMRN2	Caudate	1.31E-09	0.000552	6.89E-05	increasing	0
MMS19	Caudate	4.28E-07	0.000706	2.27E-07	increasing	0
MOB1A	Caudate	1.01E-10	-0.00082	3.49E-10	decreasing	0
MOB1B	Caudate	1.08E-09	-0.00074	4.54E-08	decreasing	0
MOB3B	Caudate	6.72E-08	2.25E-05	0.878382	other	0
MOG	Caudate	1.22E-07	0.000614	6.20E-06	increasing	0
MOGS	Caudate	1.24E-09	0.000196	0.192469	other	0
MOSPD2	Caudate	4.43E-11	-0.00022	0.152436	other	0
MOXD1	Caudate	1.71E-09	0.000648	2.86E-06	increasing	0
MPHOSPH8	Caudate	9.41E-08	0.000313	0.033557	other	0
MPP2	Caudate	1.64E-08	0.00069	1.10E-07	increasing	0
MPP3	Caudate	7.31E-11	0.000179	0.220786	other	0
MPP6	Caudate	2.24E-08	-0.00022	0.146728	other	0
MPPED2	Caudate	1.21E-07	-0.00065	3.03E-06	decreasing	0
MRC1	Caudate	7.10E-07	-0.00076	1.07E-08	decreasing	0
MRGPRG	Caudate	1.63E-09	-0.00032	0.00657	other	0
MRI1	Caudate	1.70E-10	0.00061	1.66E-05	increasing	1
MRM1	Caudate	3.69E-08	0.000618	9.74E-06	increasing	0
MROH1	Caudate	4.13E-10	0.000642	4.39E-06	increasing	0
MROH7	Caudate	5.51E-07	0.000751	1.82E-08	increasing	1
MRPL23	Caudate	6.76E-08	0.000531	0.000191	other	0
MRPL28	Caudate	1.96E-07	0.000429	0.002827	other	0
MRPL42	Caudate	7.32E-10	-0.00079	2.28E-09	decreasing	1
MRPS26	Caudate	7.75E-09	0.000459	0.001765	other	0
MRPS34	Caudate	1.67E-09	0.000542	0.000173	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MRPS6	Caudate	5.14E-08	0.000323	0.030947	other	0
MSANTD1	Caudate	2.38E-07	7.74E-05	0.610773	other	0
MSH6	Caudate	1.86E-07	-0.00044	0.00165	other	0
MSL3	Caudate	4.59E-09	-0.00073	2.24E-08	decreasing	0
MSLN	Caudate	6.44E-07	0.000704	2.50E-07	increasing	0
MST1	Caudate	1.94E-07	0.000705	2.31E-07	increasing	0
MT1X	Caudate	2.17E-11	0.000756	3.44E-09	increasing	0
MTA2	Caudate	4.35E-08	9.14E-05	0.540523	other	0
MTCH1	Caudate	5.51E-09	0.000611	8.57E-06	increasing	0
MTG1	Caudate	3.12E-11	8.87E-05	0.552736	other	0
MTMR3	Caudate	1.41E-15	0.000337	0.020072	other	0
MTMR4	Caudate	2.20E-07	0.000373	0.011525	other	0
MTPAP	Caudate	1.50E-07	-0.00073	5.82E-08	decreasing	1
MTPN	Caudate	4.98E-08	-0.00072	8.24E-08	decreasing	0
MTRF1L	Caudate	3.74E-11	-0.0008	1.07E-09	decreasing	1
MTRR	Caudate	4.88E-08	-0.00034	0.023428	other	0
MTSS1	Caudate	2.56E-10	-0.0005	0.000431	other	0
MTURN	Caudate	3.52E-08	0.000638	2.73E-06	increasing	0
MTX3	Caudate	7.13E-08	-0.00075	2.07E-08	decreasing	0
MUSK	Caudate	1.35E-11	0.000762	8.97E-09	increasing	0
MUT	Caudate	2.50E-07	-0.00022	0.1257	other	0
MUTYH	Caudate	8.09E-10	0.000425	0.002897	other	0
MVB12A	Caudate	1.39E-08	0.00019	0.192605	other	0
MXD4	Caudate	6.13E-09	0.000544	0.000166	other	0
MXRA7	Caudate	1.89E-08	0.000285	0.051362	other	0
MXRA8	Caudate	3.85E-08	0.000293	0.045911	other	0
MYADML2	Caudate	7.14E-10	4.90E-05	0.744558	other	0
MYBBP1A	Caudate	1.89E-10	0.000545	0.000153	other	0
MYBPC2	Caudate	5.89E-09	0.000368	0.012829	other	0
MYBPH	Caudate	1.62E-07	0.000542	7.72E-05	increasing	1
MYCL	Caudate	6.49E-09	-0.0007	1.58E-07	decreasing	0
MYCN	Caudate	1.31E-07	-0.00052	0.000142	other	0
MYCT1	Caudate	1.81E-07	-0.00067	1.58E-06	decreasing	0
MYEF2	Caudate	4.15E-10	-0.00065	2.58E-06	decreasing	0
MYH14	Caudate	5.00E-09	0.000713	1.00E-07	increasing	0
MYH3	Caudate	3.84E-10	-0.00069	1.97E-07	decreasing	1
MYH7B	Caudate	2.49E-12	0.000857	7.94E-12	increasing	0
MYH9	Caudate	2.06E-10	0.000692	2.89E-07	increasing	0
MYO15A	Caudate	6.28E-06	0.000708	1.81E-07	increasing	1
MYO16	Caudate	3.44E-15	-0.00074	8.08E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MYO18A	Caudate	4.98E-12	0.000723	1.04E-07	increasing	0
MYO1B	Caudate	1.13E-13	-0.00079	7.76E-10	decreasing	1
MYO5B	Caudate	5.79E-18	-0.0008	6.35E-11	decreasing	0
MYO5C	Caudate	1.05E-11	0.000771	1.83E-09	increasing	0
MYO6	Caudate	7.62E-09	-0.00019	0.196571	other	1
MYRF	Caudate	6.65E-12	0.000815	4.48E-11	increasing	0
MYT1L	Caudate	6.93E-13	-0.00079	1.41E-09	decreasing	0
MZF1	Caudate	7.46E-10	0.00055	0.000109	other	0
MZT2B	Caudate	1.95E-08	0.000465	0.0015	other	0
N4BP2	Caudate	8.24E-09	3.71E-05	0.800181	other	0
N4BP3	Caudate	1.90E-08	5.90E-05	0.687375	other	0
N6AMT2	Caudate	2.20E-08	-7.89E-05	0.594799	other	0
NAA10	Caudate	1.75E-08	0.000634	6.51E-06	increasing	0
NAA15	Caudate	3.06E-09	-0.00069	6.39E-07	decreasing	0
NAA40	Caudate	2.18E-10	0.00026	0.071833	other	0
NAA50	Caudate	6.51E-11	-0.00054	0.000169	other	0
NAALAD2	Caudate	1.45E-07	0.000765	9.79E-09	increasing	1
NACC2	Caudate	5.89E-09	0.000681	6.19E-07	increasing	0
NADK	Caudate	7.05E-09	-0.00035	0.018135	other	0
NAGLU	Caudate	1.80E-09	0.000167	0.263147	other	0
NAGPA	Caudate	2.35E-08	0.000254	0.094568	other	0
NAP1L1	Caudate	5.28E-12	-0.00014	0.321804	other	0
NARFL	Caudate	5.30E-10	0.000485	0.000935	other	0
NARG2	Caudate	2.03E-10	-0.00054	0.000216	other	0
NASP	Caudate	5.30E-13	-0.00076	2.87E-09	decreasing	0
NAT8L	Caudate	3.98E-08	0.000516	0.000381	other	0
NAT9	Caudate	1.15E-07	0.000261	0.077694	other	0
NAV3	Caudate	8.82E-10	-0.00055	8.59E-05	decreasing	0
NBAS	Caudate	2.05E-07	-0.00026	0.075157	other	1
NBL1	Caudate	1.35E-09	-0.00046	0.001516	other	0
NCAPD2	Caudate	1.09E-08	0.00043	0.003118	other	0
NCAPG	Caudate	2.76E-12	-0.00079	8.75E-10	decreasing	0
NCAPH2	Caudate	1.13E-09	0.000483	0.000817	other	0
NCDN	Caudate	4.16E-14	0.000643	2.16E-06	increasing	0
NCKIPSD	Caudate	2.09E-12	0.000853	2.61E-12	increasing	0
NCLN	Caudate	4.94E-09	0.000455	0.002028	other	0
NCOA3	Caudate	1.90E-14	-0.00078	1.95E-09	decreasing	0
NCR3LG1	Caudate	5.72E-09	0.000826	8.64E-11	increasing	1
NDE1	Caudate	6.60E-10	0.000837	7.57E-11	increasing	0
NDFIP1	Caudate	1.21E-09	-0.00059	3.26E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
NDRG1	Caudate	4.75E-18	0.000839	5.69E-12	increasing	0
NDRG2	Caudate	6.68E-08	0.000608	1.16E-05	increasing	0
NDRG4	Caudate	2.37E-08	0.000601	1.39E-05	increasing	0
NDST3	Caudate	6.65E-09	-4.08E-05	0.786579	other	0
NDUFC1	Caudate	2.14E-07	-0.0003	0.042095	other	0
NDUFS7	Caudate	6.67E-08	0.000436	0.003201	other	0
NDUFV1	Caudate	2.65E-09	0.000295	0.050647	other	0
NEBL	Caudate	3.65E-10	-0.0003	0.042565	other	0
NEFH	Caudate	1.23E-09	0.000788	2.19E-09	increasing	0
NEGR1	Caudate	3.95E-07	-0.0007	2.21E-07	decreasing	0
NEIL1	Caudate	1.77E-08	0.000498	0.000433	other	0
NEK10	Caudate	3.87E-10	-0.00065	2.82E-06	decreasing	0
NEK8	Caudate	1.75E-09	0.00045	0.001333	other	0
NELL2	Caudate	4.32E-10	-0.00079	9.38E-10	decreasing	0
NEMF	Caudate	1.51E-10	-0.00044	0.002818	other	0
NEURL1B	Caudate	5.46E-14	-0.00031	0.033185	other	0
NEURL4	Caudate	3.32E-11	0.000538	0.000194	other	0
NEXN	Caudate	1.17E-08	-0.00058	4.92E-05	decreasing	0
NF2	Caudate	1.04E-11	0.000642	4.67E-06	increasing	0
NFATC3	Caudate	3.37E-14	0.000221	0.135524	other	0
NFE2L1	Caudate	9.41E-09	0.000156	0.286583	other	0
NFE2L2	Caudate	1.53E-09	0.000169	0.265513	other	0
NFYB	Caudate	1.77E-07	-0.00065	2.42E-06	decreasing	0
NFYC	Caudate	5.98E-09	-1.18E-05	0.937501	other	0
NGEF	Caudate	8.34E-08	-3.41E-05	0.823098	other	0
NHS	Caudate	6.40E-12	-0.00076	1.42E-09	decreasing	0
NIN	Caudate	1.65E-08	-0.0004	0.006271	other	0
NIPAL4	Caudate	6.39E-09	0.000707	1.21E-07	increasing	0
NKAPL	Caudate	2.56E-07	9.08E-05	0.546338	other	0
NKIRAS2	Caudate	8.56E-08	-0.00057	5.33E-05	decreasing	0
NKPD1	Caudate	2.05E-11	0.000546	0.000132	other	0
NKX2.6	Caudate	8.78E-07	0.000675	5.84E-10	increasing	0
NKX3.1	Caudate	6.75E-20	0.00088	7.76E-13	increasing	0
NKX6.2	Caudate	1.95E-11	0.000771	1.82E-09	increasing	0
NLRX1	Caudate	4.48E-10	0.000333	0.023201	other	0
NMNAT3	Caudate	1.30E-05	0.000742	3.52E-08	increasing	1
NMRAL1	Caudate	7.98E-08	0.000512	0.000426	other	0
NMUR2	Caudate	1.75E-08	-0.00076	7.84E-09	decreasing	0
NNT	Caudate	1.53E-06	-0.00076	1.41E-08	decreasing	0
NOB1	Caudate	9.04E-08	0.000713	1.75E-07	increasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
NOC4L	Caudate	3.46E-08	0.000589	3.03E-05	increasing	0
NOL11	Caudate	2.24E-10	-0.00082	7.06E-11	decreasing	0
NOL3	Caudate	1.03E-07	0.000715	1.58E-07	increasing	0
NOL6	Caudate	1.35E-11	0.000435	0.002995	other	0
NONO	Caudate	5.33E-09	-0.00016	0.272764	other	0
NOP14	Caudate	2.89E-10	0.00055	8.31E-05	increasing	0
NOTCH1	Caudate	1.71E-08	0.000369	0.009613	other	0
NPC1L1	Caudate	2.88E-08	0.000702	1.44E-07	increasing	0
NPFFR1	Caudate	4.84E-08	0.00061	1.37E-05	increasing	1
NPHP1	Caudate	1.96E-08	-0.00057	7.34E-05	decreasing	0
NPHP4	Caudate	2.43E-08	0.00072	8.10E-08	increasing	0
NPHS1	Caudate	7.58E-10	0.000708	1.16E-07	increasing	0
NPLOC4	Caudate	1.31E-08	0.000637	5.70E-06	increasing	0
NPM3	Caudate	1.63E-08	0.000684	5.98E-07	increasing	0
NPTX1	Caudate	2.66E-09	0.000767	8.41E-10	increasing	1
NPTX2	Caudate	3.91E-11	-0.00082	1.31E-10	decreasing	0
NQO1	Caudate	2.35E-10	0.000628	5.18E-06	increasing	0
NR1H2	Caudate	1.81E-11	0.000672	9.40E-07	increasing	0
NR2C2AP	Caudate	1.32E-08	-0.00019	0.20828	other	0
NR2F6	Caudate	7.87E-10	0.000463	0.001567	other	0
NR3C2	Caudate	4.42E-13	-9.09E-05	0.534826	other	0
NRAS	Caudate	4.61E-11	-0.00074	8.58E-09	decreasing	0
NRCAM	Caudate	1.46E-07	-0.00069	3.94E-07	decreasing	0
NRD1	Caudate	1.48E-09	-0.00073	5.49E-08	decreasing	0
NREP	Caudate	1.04E-22	-0.00092	2.39E-15	decreasing	0
NRG2	Caudate	2.23E-11	0.000657	2.50E-06	increasing	0
NRGN	Caudate	7.04E-09	-5.89E-05	0.687797	other	0
NRIP1	Caudate	8.95E-11	-0.00082	1.87E-10	decreasing	0
NRP1	Caudate	2.14E-11	-0.00079	1.35E-09	decreasing	0
NRXN1	Caudate	3.96E-16	-0.00085	4.88E-12	decreasing	0
NRXN2	Caudate	6.61E-10	4.76E-05	0.754153	other	0
NSF	Caudate	1.09E-10	-4.24E-05	0.776762	other	0
NSRP1	Caudate	7.63E-08	-0.00034	0.024064	other	0
NT5C	Caudate	4.47E-08	0.000328	0.024804	other	0
NT5DC2	Caudate	4.73E-10	0.000257	0.083241	other	0
NT5DC3	Caudate	5.54E-10	0.000727	2.99E-08	increasing	0
NT5M	Caudate	3.89E-13	0.000338	0.019893	other	0
NTHL1	Caudate	2.80E-09	8.06E-05	0.597597	other	0
NTN4	Caudate	1.15E-07	0.000738	3.31E-08	increasing	1
NTSR2	Caudate	9.07E-14	0.000776	2.03E-09	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
NUBP2	Caudate	2.64E-10	0.000137	0.368745	other	0
NUCB1	Caudate	1.18E-10	0.000307	0.041504	other	0
NUDC	Caudate	3.55E-08	0.000207	0.169471	other	0
NUDCD1	Caudate	4.12E-07	-0.00074	3.32E-08	decreasing	0
NUDCD3	Caudate	1.93E-14	0.000702	1.40E-07	increasing	0
NUDT19	Caudate	3.96E-08	-6.36E-05	0.668204	other	0
NUDT4	Caudate	3.43E-13	-0.0008	6.80E-10	decreasing	0
NUDT9	Caudate	1.62E-09	-0.00032	0.02921	other	0
NUFIP1	Caudate	1.03E-08	-0.0002	0.178459	other	0
NUFIP2	Caudate	2.43E-08	-0.00071	1.41E-07	decreasing	0
NUMA1	Caudate	1.21E-15	0.000798	1.02E-09	increasing	0
NUMB	Caudate	1.54E-12	-0.00034	0.019295	other	0
NUP153	Caudate	1.26E-07	-0.00062	3.68E-06	decreasing	0
NUP62	Caudate	2.28E-09	0.000425	0.004003	other	0
NUS1	Caudate	1.97E-07	-0.00058	4.28E-05	decreasing	0
NXPH1	Caudate	8.42E-09	-0.00066	1.31E-06	decreasing	0
NYAP2	Caudate	5.16E-21	-0.00087	9.37E-13	decreasing	0
OAF	Caudate	2.89E-11	0.000161	0.276002	other	0
OARD1	Caudate	3.22E-09	0.000103	0.496082	other	1
OBSCN	Caudate	1.33E-14	0.000845	1.22E-11	increasing	1
OBSL1	Caudate	7.99E-11	0.000424	0.002644	other	0
ODF2L	Caudate	1.41E-07	-0.00071	7.56E-08	decreasing	1
ODF3	Caudate	3.06E-08	0.000774	3.56E-09	increasing	0
OGDH	Caudate	2.79E-10	0.000671	4.69E-07	increasing	0
OGDHL	Caudate	6.22E-12	0.000814	1.81E-10	increasing	0
OGFOD2	Caudate	1.36E-07	0.000601	2.09E-05	increasing	0
OGFR	Caudate	3.44E-09	0.000428	0.003808	other	0
OGFRL1	Caudate	1.30E-08	-0.00068	5.50E-07	decreasing	0
OPALIN	Caudate	4.84E-08	0.000635	2.49E-06	increasing	0
OPCML	Caudate	6.49E-12	-0.00077	4.14E-09	decreasing	0
OPLAH	Caudate	3.66E-12	0.00076	1.32E-08	increasing	0
OPRL1	Caudate	6.08E-10	0.000755	1.14E-08	increasing	0
ORAI2	Caudate	1.66E-09	0.00014	0.345192	other	0
ORAOV1	Caudate	1.95E-05	0.000722	1.03E-07	increasing	0
OSBPL2	Caudate	2.25E-08	0.000398	0.0072	other	0
OSBPL3	Caudate	2.86E-07	-0.00076	1.66E-08	decreasing	0
OSBPL6	Caudate	3.07E-08	-0.00054	0.000143	other	0
OSBPL7	Caudate	1.37E-08	0.000604	1.68E-05	increasing	0
OSBPL8	Caudate	1.13E-09	-0.00043	0.002652	other	0
OSGIN1	Caudate	6.65E-08	0.000625	3.89E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
OTOG	Caudate	7.08E-13	0.000841	3.57E-11	increasing	0
OTUD3	Caudate	1.17E-14	-0.00082	2.32E-10	decreasing	0
OTUD4	Caudate	2.92E-08	-0.00066	1.71E-06	decreasing	0
OTUD6B	Caudate	6.70E-08	-0.00064	5.31E-06	decreasing	0
OTUD7A	Caudate	5.82E-12	0.00047	0.001318	other	0
OXCT1	Caudate	3.31E-09	-0.0007	4.94E-08	decreasing	0
OXR1	Caudate	3.70E-06	-0.00071	2.05E-07	decreasing	0
OXSR1	Caudate	7.97E-05	-0.00071	1.90E-07	decreasing	0
P2RY1	Caudate	2.31E-10	-0.00071	1.07E-07	decreasing	0
P2RY12	Caudate	5.19E-12	-0.00085	3.28E-12	decreasing	0
P2RY13	Caudate	7.88E-07	-0.00071	2.38E-07	decreasing	0
P4HTM	Caudate	1.52E-09	0.000557	1.00E-04	increasing	0
PAFAH1B3	Caudate	3.67E-10	0.000369	0.011764	other	0
PAK3	Caudate	2.57E-07	-0.00042	0.003074	other	0
PALM	Caudate	1.24E-07	0.000641	3.62E-06	increasing	0
PAN2	Caudate	1.39E-08	0.000454	0.001197	other	0
PANK1	Caudate	6.58E-12	-0.00085	6.18E-12	decreasing	0
PANK3	Caudate	1.06E-13	-0.00086	6.88E-12	decreasing	0
PANK4	Caudate	4.95E-09	0.000429	0.003191	other	0
PAOX	Caudate	5.83E-10	0.000771	4.54E-09	increasing	0
PAPD4	Caudate	1.02E-08	-0.00049	0.000774	other	0
PAPLN	Caudate	1.68E-09	0.000734	5.44E-08	increasing	0
PAPOLA	Caudate	3.02E-10	-0.00061	1.88E-05	decreasing	0
PAPOLG	Caudate	7.69E-10	-0.00057	6.41E-05	decreasing	0
PAPSS1	Caudate	1.17E-06	-0.0007	1.41E-07	decreasing	0
PAQR3	Caudate	2.60E-10	-0.00077	8.01E-09	decreasing	0
PAQR6	Caudate	1.60E-15	0.000832	1.07E-11	increasing	0
PARP3	Caudate	5.26E-08	0.000762	1.00E-08	increasing	0
PARP6	Caudate	3.50E-09	-0.00059	1.95E-05	decreasing	0
PARP8	Caudate	4.62E-17	-0.00083	6.52E-12	decreasing	0
PARS2	Caudate	2.11E-08	0.000133	0.370092	other	1
PASK	Caudate	5.59E-14	0.000638	2.64E-06	increasing	0
PATZ1	Caudate	7.10E-08	0.000275	0.060447	other	0
PAXBP1	Caudate	8.11E-09	-0.00068	2.09E-07	decreasing	0
PBRM1	Caudate	6.82E-11	-0.00059	1.40E-05	decreasing	0
PBX3	Caudate	5.35E-08	-0.00078	4.72E-09	decreasing	1
PC	Caudate	6.44E-18	0.00085	3.37E-12	increasing	0
PCBD1	Caudate	1.34E-09	0.000673	1.18E-06	increasing	0
PCBP4	Caudate	1.03E-11	0.000763	9.53E-09	increasing	0
PCDH11X	Caudate	1.13E-15	-0.00084	3.21E-11	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PCDH15	Caudate	2.38E-11	-0.0008	4.04E-10	decreasing	0
PCDH18	Caudate	1.34E-09	-0.00073	1.63E-08	decreasing	1
PCDH8	Caudate	2.58E-08	0.000656	2.58E-06	increasing	0
PCDHB13	Caudate	5.55E-09	-0.00056	6.22E-05	decreasing	1
PCDHB14	Caudate	6.43E-14	-0.00072	5.74E-08	decreasing	0
PCED1A	Caudate	1.75E-07	0.000378	0.008667	other	0
PCGF3	Caudate	9.14E-08	-0.00068	2.80E-07	decreasing	0
PCGF5	Caudate	3.40E-12	-0.00037	0.01387	other	0
PCK1	Caudate	1.47E-11	0.000818	2.59E-10	increasing	0
PCMTD1	Caudate	6.90E-12	-0.00083	7.25E-11	decreasing	0
PCNP	Caudate	5.44E-11	-0.00049	0.000636	other	0
PCNT	Caudate	2.03E-12	0.000855	1.14E-11	increasing	0
PCP4	Caudate	3.26E-08	-0.00043	0.002282	other	0
PCP4L1	Caudate	1.54E-07	-0.00049	0.000565	other	0
PCSK6	Caudate	5.23E-10	0.000759	1.14E-08	increasing	0
PCSK7	Caudate	2.57E-11	0.000282	0.062089	other	0
PCYT2	Caudate	5.22E-10	0.000707	2.41E-07	increasing	0
PDCD11	Caudate	5.76E-11	1.69E-05	0.910338	other	0
PDCD6IP	Caudate	2.21E-09	-0.00048	0.000648	other	0
PDDC1	Caudate	5.54E-10	0.00027	0.069996	other	0
PDE10A	Caudate	2.65E-08	-0.00076	1.05E-08	decreasing	0
PDE12	Caudate	8.37E-07	-0.00074	3.24E-08	decreasing	0
PDE2A	Caudate	1.22E-08	-0.0003	0.04641	other	0
PDE3A	Caudate	4.12E-09	-0.00076	6.64E-09	decreasing	1
PDE3B	Caudate	2.16E-08	-0.00068	4.91E-07	decreasing	0
PDE4B	Caudate	2.53E-08	-0.00011	0.449119	other	0
PDE8A	Caudate	5.12E-14	0.000803	1.79E-10	increasing	0
PDF	Caudate	2.00E-10	0.000498	0.000499	other	0
PDGFA	Caudate	1.55E-07	8.70E-06	0.953305	other	0
PDGFRA	Caudate	2.37E-14	-0.00083	1.81E-11	decreasing	0
PDHX	Caudate	8.37E-07	-0.00073	3.90E-08	decreasing	0
PDIA2	Caudate	8.50E-09	0.000563	3.57E-05	increasing	0
PDK1	Caudate	2.52E-08	0.000711	1.73E-07	increasing	0
PDK2	Caudate	1.28E-08	0.000616	4.14E-06	increasing	0
PDXK	Caudate	6.52E-10	0.000802	2.54E-10	increasing	0
PDYN	Caudate	8.19E-08	-0.00026	0.084733	other	0
PDZD11	Caudate	5.18E-10	-0.0001	0.498739	other	0
PDZD4	Caudate	1.31E-07	0.000321	0.033339	other	0
PDZD8	Caudate	1.07E-09	-0.00056	0.000112	other	0
PEBP1	Caudate	3.55E-08	0.000577	3.91E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PELI1	Caudate	1.81E-09	-0.00033	0.023285	other	0
PELI3	Caudate	1.01E-11	0.000572	3.76E-05	increasing	0
PELP1	Caudate	9.60E-08	0.000767	4.53E-09	increasing	0
PEMT	Caudate	3.49E-11	1.92E-05	0.89872	other	0
PEX13	Caudate	4.70E-07	-0.0007	1.07E-07	decreasing	0
PEX16	Caudate	1.06E-09	0.000386	0.00884	other	0
PEX26	Caudate	5.04E-11	0.000761	1.04E-08	increasing	0
PEX6	Caudate	1.01E-07	0.000528	0.000124	other	0
PFAS	Caudate	6.57E-09	0.000516	0.000328	other	0
PFKFB4	Caudate	2.61E-11	0.000586	3.51E-05	increasing	0
PFKL	Caudate	1.63E-09	0.00059	3.43E-05	increasing	0
PFKM	Caudate	1.15E-08	0.000471	0.000862	other	1
PFKP	Caudate	1.11E-13	0.000745	3.20E-08	increasing	0
PFN2	Caudate	1.13E-12	-0.00071	1.79E-07	decreasing	0
PGAM5	Caudate	5.14E-10	0.000343	0.020804	other	0
PGAP1	Caudate	2.53E-07	-0.00062	8.90E-06	decreasing	0
PGAP3	Caudate	1.38E-07	0.000491	0.000599	other	0
PGBD5	Caudate	3.25E-14	0.000509	0.000234	other	0
PGGT1B	Caudate	3.62E-09	-0.00067	8.66E-07	decreasing	0
PGP	Caudate	6.80E-09	0.000546	0.000136	other	0
PGPEP1	Caudate	2.40E-13	0.000762	3.41E-09	increasing	0
PGR	Caudate	6.45E-08	-0.00061	1.75E-05	decreasing	0
PGS1	Caudate	6.97E-11	0.000561	9.40E-05	increasing	0
PHC2	Caudate	2.08E-10	0.000204	0.179136	other	0
PHEX	Caudate	1.45E-08	-0.00072	1.14E-07	decreasing	0
PHF1	Caudate	1.09E-10	0.000712	9.38E-08	increasing	0
PHF14	Caudate	2.62E-13	-0.00083	2.39E-11	decreasing	0
PHF19	Caudate	6.14E-09	0.000813	4.22E-10	increasing	0
PHF20L1	Caudate	1.76E-07	-0.00034	0.022596	other	0
PHF21A	Caudate	6.65E-13	0.000181	0.221285	other	0
PHF3	Caudate	1.06E-07	-0.0006	1.91E-05	decreasing	0
PHF6	Caudate	1.58E-07	-0.00075	1.79E-08	decreasing	0
PHGDH	Caudate	1.15E-08	0.000645	3.87E-06	increasing	0
PHKG2	Caudate	3.62E-08	0.000378	0.010308	other	0
PHLDA3	Caudate	5.09E-08	2.34E-05	0.877164	other	0
PHLDB1	Caudate	4.55E-11	0.000828	8.08E-11	increasing	0
PHLPP1	Caudate	3.26E-09	0.000771	1.27E-09	increasing	0
PHRF1	Caudate	4.48E-11	0.000667	1.55E-06	increasing	0
PHTF2	Caudate	1.31E-07	-0.00073	7.66E-08	decreasing	0
PHYHD1	Caudate	6.06E-07	0.000773	5.26E-09	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PHYHIP	Caudate	1.04E-14	0.00081	1.06E-10	increasing	0
PHYHIPL	Caudate	7.36E-11	-0.00064	2.82E-06	decreasing	0
PHYKPL	Caudate	1.77E-07	0.000685	6.85E-07	increasing	0
PI4KA	Caudate	3.83E-06	0.000705	1.18E-07	increasing	0
PIAS1	Caudate	1.07E-09	-0.00023	0.118768	other	0
PIAS2	Caudate	1.67E-10	-0.0006	2.09E-05	decreasing	0
PIAS4	Caudate	6.26E-08	0.000264	0.075767	other	0
PICK1	Caudate	2.64E-08	0.000368	0.012666	other	0
PIDD1	Caudate	1.14E-07	0.000531	0.000111	other	1
PIK3C3	Caudate	4.70E-09	-0.00015	0.306723	other	0
PIK3CA	Caudate	9.55E-11	-0.00081	4.45E-10	decreasing	0
PIKFYVE	Caudate	6.37E-12	-0.00077	7.04E-09	decreasing	0
PINK1	Caudate	4.48E-08	0.000516	0.000364	other	0
PIP4K2A	Caudate	1.61E-20	0.000877	1.23E-13	increasing	0
PIP4K2B	Caudate	2.61E-13	0.000779	1.08E-09	increasing	0
PIP4K2C	Caudate	1.65E-08	0.000637	4.07E-06	increasing	0
PIR	Caudate	5.34E-08	0.00067	9.55E-07	increasing	0
PITPNC1	Caudate	2.24E-08	-0.00068	1.12E-06	decreasing	0
PITPNM1	Caudate	2.14E-11	0.000706	2.32E-07	increasing	0
PITPNM3	Caudate	1.21E-09	0.000703	2.22E-07	increasing	0
PJA2	Caudate	1.33E-09	-0.00037	0.008725	other	0
PKD1	Caudate	6.32E-12	0.000698	3.76E-07	increasing	0
PKD1L2	Caudate	6.77E-08	0.000376	0.010741	other	0
PKN1	Caudate	8.28E-12	0.00028	0.058816	other	0
PKN2	Caudate	1.69E-09	-0.00064	3.90E-06	decreasing	0
PLA2G16	Caudate	5.31E-14	0.000792	7.88E-10	increasing	0
PLA2G4B	Caudate	1.89E-08	0.000595	2.48E-05	increasing	0
PLA2G6	Caudate	6.84E-11	0.000807	5.39E-10	increasing	0
PLAC9	Caudate	2.01E-09	0.000127	0.38556	other	0
PLB1	Caudate	1.62E-08	0.000663	9.62E-07	increasing	0
PLCB1	Caudate	8.57E-09	-0.00047	0.001139	other	0
PLCB4	Caudate	1.02E-09	-0.00077	5.83E-09	decreasing	0
PLCG1	Caudate	1.60E-12	0.000479	0.00059	other	0
PLCXD3	Caudate	4.79E-10	-0.00069	3.05E-07	decreasing	0
PLD1	Caudate	5.92E-06	0.000703	1.69E-07	increasing	0
PLD2	Caudate	4.45E-08	0.00071	1.02E-07	increasing	0
PLD3	Caudate	3.63E-10	0.000498	0.000467	other	0
PLD5	Caudate	5.79E-14	-0.00071	1.14E-07	decreasing	0
PLD6	Caudate	6.18E-07	0.00077	6.66E-09	increasing	0
PLEC	Caudate	2.72E-11	0.000659	2.18E-06	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PLEK	Caudate	2.12E-07	0.000755	8.58E-09	increasing	0
PLEKHA2	Caudate	1.58E-09	0.000771	6.49E-10	increasing	0
PLEKHA3	Caudate	4.87E-15	-0.0002	0.176571	other	0
PLEKHA5	Caudate	9.20E-10	-0.00059	2.97E-05	decreasing	0
PLEKHB1	Caudate	1.21E-14	0.00075	2.82E-09	increasing	0
PLEKHF1	Caudate	7.47E-09	0.000723	5.84E-08	increasing	0
PLEKHF2	Caudate	1.08E-06	-0.00068	2.29E-07	decreasing	0
PLEKHG3	Caudate	3.38E-14	0.000866	3.89E-12	increasing	0
PLEKHG4	Caudate	2.69E-11	0.000814	2.12E-10	increasing	0
PLEKHH1	Caudate	2.26E-16	0.000871	2.38E-13	increasing	0
PLEKHJ1	Caudate	9.53E-09	0.000123	0.417047	other	0
PLEKHM2	Caudate	1.31E-09	0.000814	2.46E-10	increasing	0
PLEKHO2	Caudate	9.30E-08	0.000568	4.44E-05	increasing	0
PLGRKT	Caudate	1.12E-08	-0.0007	1.43E-07	decreasing	0
PLIN3	Caudate	9.69E-12	0.000531	0.000155	other	0
PLIN4	Caudate	6.86E-06	0.000727	7.31E-08	increasing	0
PLK2	Caudate	3.89E-08	-0.00067	6.09E-07	decreasing	0
PLLP	Caudate	1.62E-08	0.000682	3.36E-07	increasing	0
PLN	Caudate	8.80E-10	-0.00077	8.18E-09	decreasing	0
PLXNB1	Caudate	1.08E-08	0.00073	6.12E-08	increasing	0
PLXNB3	Caudate	7.53E-08	0.00073	7.42E-08	increasing	0
PMEL	Caudate	5.31E-16	0.000886	1.52E-13	increasing	0
PMEPA1	Caudate	5.60E-08	-0.00074	3.48E-08	decreasing	0
PMF1	Caudate	3.16E-08	0.000307	0.039825	other	0
PMP22	Caudate	2.11E-10	0.000599	1.73E-05	increasing	0
PMPCA	Caudate	3.06E-08	0.000439	0.002537	other	0
PMVK	Caudate	2.39E-07	0.000707	2.36E-07	increasing	0
PNCK	Caudate	1.09E-09	0.000782	2.79E-09	increasing	0
PNISR	Caudate	9.86E-08	-0.00065	2.38E-06	decreasing	0
PNKD	Caudate	3.25E-14	0.000688	1.22E-07	increasing	0
PNKP	Caudate	2.15E-07	0.000632	5.35E-06	increasing	0
PNMA2	Caudate	1.23E-07	0.000674	7.99E-07	increasing	1
PNMA3	Caudate	3.35E-09	0.000359	0.011863	other	0
PNMAL1	Caudate	2.63E-12	0.000402	0.006463	other	0
PNMAL2	Caudate	1.33E-10	0.000623	9.82E-06	increasing	0
PNPLA2	Caudate	9.71E-11	0.000779	2.17E-09	increasing	0
PNPLA6	Caudate	1.28E-10	0.000673	1.25E-06	increasing	0
PNRC1	Caudate	8.82E-09	0.000431	0.002724	other	0
PNRC2	Caudate	2.08E-07	-0.00055	0.000122	other	0
PODXL2	Caudate	1.45E-12	-0.0001	0.497241	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
POLA1	Caudate	7.00E-08	-0.00065	1.70E-06	decreasing	0
POLD2	Caudate	1.63E-07	-4.81E-06	0.974607	other	0
POLG	Caudate	7.40E-11	0.000497	0.000626	other	0
POLG2	Caudate	2.15E-08	-0.00027	0.072643	other	0
POLK	Caudate	4.78E-09	-0.00035	0.020041	other	0
POLR3E	Caudate	1.17E-11	0.000379	0.009079	other	0
POLR3H	Caudate	1.23E-13	-6.69E-05	0.652366	other	0
POLRMT	Caudate	1.33E-11	0.000504	0.000535	other	0
POMT2	Caudate	7.02E-08	0.000495	0.000695	other	0
POPDC3	Caudate	1.63E-15	0.000873	9.50E-13	increasing	0
POU3F1	Caudate	6.50E-08	3.15E-05	0.837424	other	0
POU3F3	Caudate	2.41E-11	0.000248	0.091503	other	0
POU3F4	Caudate	4.82E-08	0.000508	0.000454	other	0
PPAP2C	Caudate	1.33E-11	0.000794	3.59E-10	increasing	0
PPAPDC3	Caudate	3.21E-11	0.000223	0.142317	other	0
PPEF1	Caudate	1.28E-07	-0.00062	3.91E-06	decreasing	0
PPFIA2	Caudate	1.09E-11	-0.00079	4.45E-10	decreasing	0
PPFIA3	Caudate	4.99E-12	5.39E-05	0.719843	other	0
PPFIA4	Caudate	1.69E-14	0.000808	1.22E-10	increasing	0
PPFIBP2	Caudate	9.16E-10	0.000739	1.44E-08	increasing	0
PPIP5K1	Caudate	1.02E-09	0.000728	1.16E-08	increasing	0
PPL	Caudate	2.31E-07	0.000741	3.31E-08	increasing	0
PPM1A	Caudate	3.14E-11	-0.00056	5.86E-05	decreasing	0
PPM1B	Caudate	1.70E-13	-0.00075	1.72E-08	decreasing	0
PPM1E	Caudate	2.47E-08	-0.00047	0.00094	other	0
PPM1F	Caudate	4.64E-10	0.000772	6.76E-09	increasing	0
PPM1K	Caudate	2.45E-07	0.000593	2.30E-05	increasing	0
PPM1M	Caudate	6.37E-13	0.000723	4.36E-08	increasing	0
PPOX	Caudate	1.34E-07	0.000226	0.129306	other	0
PPP1R12C	Caudate	5.69E-11	0.000637	3.44E-06	increasing	0
PPP1R14A	Caudate	4.88E-10	0.000753	1.82E-08	increasing	0
PPP1R14B	Caudate	4.14E-09	7.28E-05	0.619755	other	0
PPP1R16A	Caudate	1.10E-08	0.000296	0.048907	other	1
PPP1R1B	Caudate	1.52E-08	-0.0001	0.501057	other	0
PPP1R26	Caudate	1.18E-07	0.000451	0.002055	other	0
PPP1R37	Caudate	1.26E-10	0.000535	0.0002	other	0
PPP1R3C	Caudate	7.87E-08	-8.56E-05	0.568674	other	0
PPP1R3E	Caudate	2.69E-08	0.000775	5.31E-09	increasing	0
PPP1R3F	Caudate	3.32E-08	0.000495	0.000687	other	0
PPP2CA	Caudate	1.59E-05	-0.00071	1.30E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PPP2R1A	Caudate	2.19E-09	-3.95E-05	0.794753	other	0
PPP2R4	Caudate	1.06E-08	-1.16E-05	0.939845	other	0
PPP2R5B	Caudate	2.65E-09	0.000532	0.000214	other	0
PPP2R5E	Caudate	5.35E-09	-0.00074	3.37E-08	decreasing	0
PPP3R1	Caudate	1.58E-12	-0.00016	0.283824	other	0
PPP4C	Caudate	4.84E-08	8.50E-05	0.575878	other	0
PPP5C	Caudate	5.33E-11	-3.58E-05	0.811541	other	0
PPP6C	Caudate	1.53E-09	-0.00028	0.058545	other	0
PPP6R2	Caudate	1.58E-08	9.41E-05	0.536701	other	0
PQLC2	Caudate	8.07E-09	0.000172	0.248958	other	0
PREX1	Caudate	1.75E-07	0.000258	0.08908	other	0
PREX2	Caudate	6.34E-08	-0.00032	0.025378	other	0
PRICKLE1	Caudate	2.45E-12	-0.00069	3.53E-07	decreasing	0
PRICKLE2	Caudate	8.14E-14	-0.00075	1.11E-08	decreasing	0
PRKAA2	Caudate	6.59E-11	-0.00083	1.77E-11	decreasing	0
PRKACB	Caudate	6.50E-08	-0.00064	4.57E-06	decreasing	0
PRKAG2	Caudate	2.66E-12	-0.00031	0.030552	other	0
PRKAR1B	Caudate	6.35E-08	0.000182	0.230575	other	1
PRKAR2B	Caudate	4.37E-09	-0.00073	2.57E-08	decreasing	0
PRKCB	Caudate	2.36E-07	-0.00049	0.000573	other	0
PRKCDBP	Caudate	7.37E-10	0.000576	3.28E-05	increasing	0
PRKCE	Caudate	1.60E-13	-0.00081	2.86E-10	decreasing	0
PRKCQ	Caudate	2.95E-20	0.000886	9.73E-14	increasing	0
PRKCSH	Caudate	1.33E-08	0.000527	0.000278	other	0
PRMT7	Caudate	2.38E-09	0.000169	0.270138	other	0
PRPF19	Caudate	4.28E-12	0.000841	1.83E-12	increasing	0
PRPF38B	Caudate	2.02E-08	-0.00017	0.264548	other	0
PRPF40B	Caudate	2.29E-08	0.000245	0.095599	other	0
PRPF4B	Caudate	4.69E-08	-0.00071	1.56E-07	decreasing	0
PRPF6	Caudate	6.39E-11	0.000711	1.94E-07	increasing	0
PRPS1	Caudate	1.47E-09	-1.56E-05	0.916863	other	0
PRR13	Caudate	6.47E-11	0.000248	0.087338	other	0
PRR18	Caudate	1.04E-08	0.000739	2.47E-08	increasing	0
PRR24	Caudate	1.13E-09	0.000327	0.024594	other	0
PRR5	Caudate	9.89E-08	0.000176	0.243871	other	0
PRR5L	Caudate	8.43E-14	0.000874	2.90E-12	increasing	0
PRRG3	Caudate	4.27E-06	0.00071	2.06E-07	increasing	0
PRRT2	Caudate	6.17E-09	0.000339	0.020827	other	0
PRSS2	Caudate	1.95E-08	0.000724	4.77E-08	increasing	0
PRSS21	Caudate	5.77E-11	0.00081	3.02E-10	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PRSS41	Caudate	2.27E-09	0.000776	4.45E-09	increasing	0
PRUNE2	Caudate	2.74E-15	0.000871	2.58E-13	increasing	0
PSD	Caudate	6.49E-08	0.000594	2.80E-05	increasing	0
PSMC5	Caudate	1.90E-10	0.000132	0.373468	other	0
PSMD12	Caudate	5.80E-09	-0.00063	4.99E-06	decreasing	0
PSME4	Caudate	2.37E-09	-0.00077	4.28E-09	decreasing	0
PSRC1	Caudate	1.28E-07	0.000753	1.84E-08	increasing	0
PTAR1	Caudate	1.51E-07	-0.00072	5.78E-08	decreasing	0
PTBP3	Caudate	2.39E-07	-0.00066	1.77E-06	decreasing	0
PTCD1	Caudate	3.76E-08	0.000333	0.026589	other	0
PTCHD1	Caudate	1.07E-05	-0.0007	1.13E-07	decreasing	0
PTCHD2	Caudate	3.38E-12	0.000717	1.10E-07	increasing	0
PTDSS2	Caudate	1.99E-08	0.000323	0.024195	other	0
PTEN	Caudate	2.54E-13	-0.00085	4.17E-12	decreasing	0
PTF1A	Caudate	6.08E-13	0.000749	1.24E-08	increasing	0
PTGDS	Caudate	7.06E-10	0.000509	0.000311	other	0
PTGER3	Caudate	8.67E-08	-0.00057	4.32E-05	decreasing	0
PTGES2	Caudate	5.28E-09	0.000281	0.063666	other	0
PTGES3	Caudate	2.51E-13	-0.00011	0.470677	other	0
PTGFRN	Caudate	1.94E-09	-0.00033	0.02406	other	0
PTN	Caudate	1.17E-11	-0.00086	1.70E-12	decreasing	0
PTOV1	Caudate	1.13E-13	0.000691	4.66E-07	increasing	0
PTP4A1	Caudate	6.26E-08	-0.00068	8.42E-07	decreasing	0
PTP4A3	Caudate	6.24E-08	8.37E-05	0.577278	other	0
PTPDC1	Caudate	5.32E-13	0.000845	3.30E-12	increasing	0
PTPN14	Caudate	2.03E-05	0.000704	1.73E-07	increasing	0
PTPN4	Caudate	2.06E-08	-0.0008	1.08E-09	decreasing	0
PTPN5	Caudate	1.87E-14	0.000618	5.29E-06	increasing	0
PTPN7	Caudate	1.73E-11	0.000494	0.00049	other	0
PTPRB	Caudate	1.80E-08	0.000481	0.000544	other	0
PTPRC	Caudate	3.23E-07	-0.0007	2.29E-07	decreasing	0
PTPRD	Caudate	7.60E-08	-0.00063	7.02E-06	decreasing	0
PTPRQ	Caudate	3.80E-09	-0.00062	1.37E-05	decreasing	0
PTPRT	Caudate	1.06E-07	-0.00059	3.02E-05	decreasing	0
PTPRU	Caudate	1.34E-11	0.000518	0.000322	other	1
PTPRZ1	Caudate	1.51E-08	-0.00056	5.65E-05	decreasing	0
PTRF	Caudate	3.75E-08	0.000652	1.17E-06	increasing	0
PUF60	Caudate	1.07E-08	0.000356	0.015735	other	0
PURB	Caudate	9.49E-09	-0.00067	1.30E-06	decreasing	0
PURG	Caudate	2.44E-10	-0.00079	1.36E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PUSL1	Caudate	3.21E-10	0.000385	0.007492	other	0
PVRL3	Caudate	4.70E-15	-0.00079	3.91E-10	decreasing	0
PWP2	Caudate	3.48E-09	0.000673	1.22E-06	increasing	1
PWWP2A	Caudate	4.45E-07	-0.00072	1.02E-07	decreasing	0
PWWP2B	Caudate	1.32E-09	0.000446	0.002402	other	0
PXK	Caudate	1.95E-13	0.000726	4.22E-08	increasing	0
PYCRL	Caudate	1.15E-09	3.97E-05	0.795843	other	0
PYGO1	Caudate	2.94E-09	-0.00071	7.46E-08	decreasing	0
QARS	Caudate	2.05E-08	0.000249	0.091316	other	0
QDPR	Caudate	1.77E-14	0.000701	5.92E-08	increasing	1
QSOX1	Caudate	4.98E-12	0.000532	0.000203	other	1
QSOX2	Caudate	1.48E-10	4.42E-05	0.770481	other	0
RAB11FIP2	Caudate	2.41E-09	-0.00071	1.61E-07	decreasing	0
RAB11FIP3	Caudate	1.41E-08	0.000679	7.10E-07	increasing	0
RAB11FIP4	Caudate	2.16E-07	0.000426	0.003951	other	0
RAB11FIP5	Caudate	3.51E-10	0.000754	6.88E-09	increasing	0
RAB18	Caudate	8.82E-10	-0.00071	2.39E-07	decreasing	0
RAB26	Caudate	5.21E-09	0.000605	8.97E-06	increasing	0
RAB27B	Caudate	4.65E-08	-0.00079	1.35E-09	decreasing	0
RAB35	Caudate	4.05E-09	0.000152	0.313355	other	0
RAB3C	Caudate	4.09E-11	-0.00078	2.82E-09	decreasing	0
RAB40C	Caudate	8.68E-14	0.000246	0.102007	other	0
RAB43	Caudate	2.41E-09	0.000711	2.03E-07	increasing	0
RAB5A	Caudate	1.99E-06	-0.00074	3.21E-08	decreasing	0
RAB5C	Caudate	1.42E-07	0.000124	0.418782	other	0
RAB6A	Caudate	1.38E-10	-0.00032	0.026521	other	0
RABAC1	Caudate	3.50E-08	0.000378	0.011323	other	0
RABEP2	Caudate	3.39E-09	0.00039	0.008605	other	0
RABGGTA	Caudate	2.03E-11	0.000756	9.35E-09	increasing	0
RABL6	Caudate	1.16E-09	0.000715	9.03E-08	increasing	0
RAD17	Caudate	1.24E-08	-0.00062	1.17E-05	decreasing	1
RAD21	Caudate	1.90E-07	-0.00038	0.008302	other	0
RAD23B	Caudate	3.16E-11	-0.00062	1.20E-05	decreasing	0
RAD51D	Caudate	5.04E-08	0.000641	4.82E-06	increasing	0
RAD54L2	Caudate	8.37E-08	0.00062	1.03E-05	increasing	0
RALA	Caudate	4.94E-11	-0.00076	1.15E-08	decreasing	0
RALGDS	Caudate	1.58E-07	0.000707	2.22E-07	increasing	0
RALGPS2	Caudate	4.88E-11	-0.0008	5.88E-10	decreasing	0
RANGAP1	Caudate	3.80E-10	0.00066	1.11E-06	increasing	0
RAP1A	Caudate	2.12E-10	-0.00069	3.85E-07	decreasing	0

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RAP2C	Caudate	5.56E-14	-0.00045	0.00144	other	0
RAPGEF5	Caudate	5.21E-10	0.000689	2.70E-07	increasing	0
RARRES2	Caudate	1.18E-12	0.000734	1.87E-08	increasing	0
RASA2	Caudate	6.31E-09	-0.00065	3.42E-06	decreasing	0
RASA3	Caudate	4.05E-09	0.000227	0.125579	other	0
RASD1	Caudate	5.00E-09	0.000809	1.59E-10	increasing	0
RASEF	Caudate	9.62E-10	0.000727	8.19E-08	increasing	1
RASGRF1	Caudate	2.00E-10	-0.00068	7.47E-07	decreasing	0
RASGRF2	Caudate	7.22E-17	0.000851	5.91E-12	increasing	0
RASGRP2	Caudate	2.59E-07	0.000162	0.286995	other	0
RASSF10	Caudate	2.81E-09	-0.00058	1.64E-05	decreasing	0
RASSF2	Caudate	1.89E-09	0.000779	1.84E-09	increasing	0
RASSF4	Caudate	1.78E-08	0.000195	0.186097	other	0
RB1	Caudate	2.81E-09	-0.00071	2.36E-07	decreasing	0
RB1CC1	Caudate	1.80E-09	-0.00062	8.80E-06	decreasing	0
RBBP8	Caudate	1.89E-07	-0.00036	0.0139	other	0
RBCK1	Caudate	7.11E-09	0.000743	3.22E-08	increasing	0
RBFOX3	Caudate	1.74E-07	0.000686	3.95E-07	increasing	0
RBM15	Caudate	8.79E-08	-0.00018	0.234717	other	0
RBM15B	Caudate	1.53E-09	0.000123	0.4179	other	0
RBM18	Caudate	1.00E-05	-0.00073	7.49E-08	decreasing	0
RBM20	Caudate	7.82E-08	0.000762	1.15E-08	increasing	0
RBM24	Caudate	1.41E-07	-0.00068	7.46E-07	decreasing	0
RBM25	Caudate	1.22E-08	-0.00056	8.64E-05	decreasing	0
RBM26	Caudate	3.97E-14	-0.00061	1.46E-05	decreasing	0
RBM27	Caudate	1.16E-06	-0.00071	1.93E-07	decreasing	0
RBM41	Caudate	1.27E-07	-0.00075	2.10E-08	decreasing	0
RBM42	Caudate	1.77E-08	0.0004	0.007084	other	0
RBM7	Caudate	1.68E-07	-0.00064	4.39E-06	decreasing	0
RBMS1	Caudate	1.55E-07	-0.00073	5.52E-08	decreasing	0
RBMS3	Caudate	7.77E-06	-0.00071	1.21E-07	decreasing	0
RBP3	Caudate	7.97E-15	0.000801	1.42E-10	increasing	0
RC3H2	Caudate	9.52E-09	-0.00066	1.48E-06	decreasing	0
RCAN2	Caudate	1.74E-10	0.000415	0.003703	other	0
RCBTB2	Caudate	6.08E-05	-0.0007	2.19E-07	decreasing	0
RCCD1	Caudate	1.92E-08	0.000677	1.02E-06	increasing	0
RCOR2	Caudate	1.43E-08	0.00076	1.31E-08	increasing	0
RDH13	Caudate	2.58E-09	9.23E-05	0.543192	other	1
RECQL5	Caudate	2.50E-07	0.000609	1.72E-05	increasing	0
REEP5	Caudate	9.82E-06	-0.00071	1.80E-07	decreasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
RELL1	Caudate	7.48E-08	-0.00055	0.000128	other	0
RELT	Caudate	1.81E-08	0.000495	0.000513	other	0
REPIN1	Caudate	4.09E-09	0.0005	0.000508	other	0
REPS1	Caudate	9.48E-08	0.000605	1.45E-05	increasing	0
REV3L	Caudate	1.77E-10	-0.00054	0.000108	other	0
RFFL	Caudate	1.63E-09	0.000481	0.000545	other	0
RFNG	Caudate	4.11E-09	0.000643	4.21E-06	increasing	0
RFPL1	Caudate	1.88E-07	0.000237	0.119142	other	0
RFX3	Caudate	5.11E-11	-0.00072	9.68E-08	decreasing	0
RGR	Caudate	1.41E-07	-0.0002	0.178259	other	0
RGS11	Caudate	2.27E-08	0.000737	3.34E-08	increasing	0
RGS14	Caudate	7.19E-12	0.000357	0.013616	other	0
RGS17	Caudate	1.71E-17	-0.00088	1.94E-13	decreasing	0
RGS19	Caudate	1.50E-07	0.000617	1.21E-05	increasing	0
RGS7BP	Caudate	1.89E-09	-0.00064	3.21E-06	decreasing	0
RGS9	Caudate	1.62E-08	-0.00063	7.68E-06	decreasing	1
RHBDD2	Caudate	5.94E-08	0.000211	0.146883	other	0
RHBDD3	Caudate	1.95E-09	0.000381	0.008929	other	0
RHBDF1	Caudate	1.73E-08	0.000741	3.98E-08	increasing	0
RHBDL1	Caudate	2.17E-10	0.000676	9.74E-07	increasing	0
RHOA	Caudate	2.88E-10	-0.00048	0.001113	other	0
RHOG	Caudate	1.57E-10	0.000654	1.76E-06	increasing	0
RHOT2	Caudate	2.16E-09	0.000604	2.09E-05	increasing	0
RILP	Caudate	1.02E-07	0.000691	3.97E-07	increasing	0
RILPL1	Caudate	1.83E-07	0.00065	1.56E-06	increasing	1
RIMKLA	Caudate	2.26E-12	-0.00082	3.28E-10	decreasing	0
RIMKLB	Caudate	7.17E-11	-0.00074	4.72E-09	decreasing	0
RIMS3	Caudate	5.54E-06	0.000741	4.09E-08	increasing	0
RIMS4	Caudate	1.65E-10	0.000107	0.481263	other	0
RIN1	Caudate	2.62E-09	0.000707	1.74E-07	increasing	0
RLTPR	Caudate	3.40E-09	0.000824	1.11E-10	increasing	0
RMND5B	Caudate	4.26E-09	0.000329	0.027899	other	0
RNASE6	Caudate	3.37E-06	-0.00072	1.08E-07	decreasing	0
RND2	Caudate	4.57E-08	0.000734	3.07E-08	increasing	0
RNF112	Caudate	1.39E-08	0.000488	0.000581	other	0
RNF125	Caudate	6.65E-09	0.000723	2.77E-08	increasing	0
RNF130	Caudate	1.63E-11	0.000689	5.74E-07	increasing	0
RNF138	Caudate	8.07E-11	-0.00077	7.50E-10	decreasing	0
RNF152	Caudate	4.94E-13	-0.00076	5.12E-09	decreasing	0
RNF165	Caudate	2.79E-12	-0.00081	1.09E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
RNF2	Caudate	5.01E-07	-0.00073	3.76E-08	decreasing	0
RNF215	Caudate	3.67E-08	0.000403	0.006395	other	0
RNF26	Caudate	1.78E-07	0.000439	0.001766	other	0
RNF31	Caudate	8.09E-09	0.000388	0.008868	other	0
RNF6	Caudate	3.36E-10	-0.00049	0.000611	other	0
RNH1	Caudate	1.22E-07	0.000592	3.20E-05	increasing	0
RNPC3	Caudate	3.85E-10	-0.00022	0.14825	other	0
RNPS1	Caudate	2.05E-08	0.00012	0.43467	other	0
ROBO1	Caudate	1.01E-13	-0.00076	3.14E-09	decreasing	0
ROBO2	Caudate	3.23E-18	-0.00088	4.59E-13	decreasing	0
ROCK1	Caudate	1.60E-09	-0.00036	0.01432	other	0
ROCK2	Caudate	7.54E-09	-0.00043	0.002754	other	0
ROGDI	Caudate	1.81E-11	0.000668	5.32E-07	increasing	0
RORA	Caudate	2.54E-09	-0.00076	1.10E-08	decreasing	0
RP2	Caudate	3.38E-09	-0.0007	2.97E-07	decreasing	0
RPAP3	Caudate	1.95E-07	-0.00073	3.56E-08	decreasing	0
RPGRIP1L	Caudate	1.58E-07	-0.0007	3.75E-07	decreasing	0
RPL13A	Caudate	1.31E-07	0.000247	0.09774	other	0
RPL36	Caudate	9.05E-11	0.000107	0.482017	other	0
RPP25	Caudate	2.34E-13	0.00028	0.058144	other	0
RPS15	Caudate	4.24E-08	0.000369	0.013202	other	0
RPS19	Caudate	2.70E-08	0.000341	0.022315	other	0
RPS6KA1	Caudate	4.80E-12	0.000748	1.01E-08	increasing	0
RPS6KA2	Caudate	3.25E-09	0.000528	0.000261	other	0
RPS6KA4	Caudate	1.34E-14	0.000702	9.15E-08	increasing	0
RPS6KB2	Caudate	8.51E-08	0.000183	0.229462	other	0
RPUSD1	Caudate	4.39E-08	0.000483	0.000871	other	0
RRAS2	Caudate	7.04E-18	-0.00088	4.27E-13	decreasing	0
RRBP1	Caudate	4.14E-08	0.0003	0.0458	other	0
RRP1	Caudate	1.06E-08	0.000683	7.73E-07	increasing	0
RRP8	Caudate	9.38E-10	0.000793	1.22E-09	increasing	0
RSAD1	Caudate	5.55E-17	0.000879	9.82E-13	increasing	0
RSBN1	Caudate	2.20E-08	-0.00071	1.37E-07	decreasing	0
RTEL1	Caudate	1.14E-09	0.000563	7.62E-05	increasing	0
RTKN	Caudate	1.18E-12	0.000815	2.58E-10	increasing	0
RTKN2	Caudate	2.63E-09	-0.00073	3.29E-08	decreasing	0
RTN3	Caudate	2.19E-08	-0.00044	0.002315	other	0
RUNDC3A	Caudate	6.17E-09	0.000493	0.000508	other	0
RUNDC3B	Caudate	1.07E-09	-0.00064	3.38E-06	decreasing	0
RWDD4	Caudate	5.88E-06	-0.00071	1.56E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
RXRA	Caudate	3.22E-08	0.000607	1.37E-05	increasing	0
RXRG	Caudate	1.63E-11	-0.00075	1.15E-08	decreasing	0
RYBP	Caudate	1.22E-14	-0.00088	5.44E-13	decreasing	0
RYR1	Caudate	1.27E-16	0.000834	4.06E-11	increasing	0
S100A1	Caudate	7.88E-09	0.000118	0.420861	other	0
S1PR3	Caudate	1.20E-07	-0.00048	0.000807	other	1
S1PR5	Caudate	1.56E-20	0.000869	5.61E-13	increasing	0
SAC3D1	Caudate	2.19E-09	0.000419	0.002979	other	0
SAFB2	Caudate	3.93E-08	0.0005	0.000554	other	0
SAP25	Caudate	1.06E-09	0.000828	5.02E-11	increasing	0
SART1	Caudate	7.57E-11	0.000535	0.000207	other	0
SAV1	Caudate	2.43E-07	-0.00073	8.98E-08	decreasing	0
SBF1	Caudate	5.03E-11	0.000535	0.000211	other	0
SBNO1	Caudate	1.08E-09	-0.00052	0.000309	other	0
SC5D	Caudate	3.42E-12	-0.00074	4.34E-08	decreasing	0
SCAF1	Caudate	9.60E-09	0.000744	2.56E-08	increasing	0
SCAI	Caudate	5.48E-07	-0.00075	1.99E-08	decreasing	0
SCAND1	Caudate	1.84E-09	0.000316	0.035732	other	0
SCAP	Caudate	2.59E-11	8.10E-05	0.587587	other	0
SCARB1	Caudate	5.10E-08	0.00064	1.37E-06	increasing	0
SCARF1	Caudate	2.20E-09	0.000698	3.68E-07	increasing	0
SCARF2	Caudate	7.55E-12	0.000655	2.38E-06	increasing	0
SCD	Caudate	1.52E-09	0.000605	9.06E-06	increasing	0
SCFD1	Caudate	4.54E-06	-0.00073	5.59E-08	decreasing	0
SCG3	Caudate	4.70E-09	-0.00037	0.009566	other	0
SCGB1C1	Caudate	1.09E-08	0.000782	1.67E-09	increasing	0
SCGB3A1	Caudate	3.05E-07	0.000758	2.05E-09	increasing	0
SCN1B	Caudate	3.56E-20	0.000838	6.19E-12	increasing	0
SCN3A	Caudate	3.86E-10	-0.00079	6.82E-10	decreasing	0
SCN4B	Caudate	2.42E-07	0.000282	0.053929	other	1
SCP2	Caudate	2.64E-08	-0.00069	6.19E-07	decreasing	0
SCRIB	Caudate	1.61E-12	0.000728	6.51E-08	increasing	0
SCRN3	Caudate	1.87E-07	-0.00073	6.10E-08	decreasing	0
SCXB	Caudate	1.08E-06	0.000712	1.47E-07	increasing	0
SCYL2	Caudate	1.05E-10	-0.00078	2.41E-09	decreasing	0
SDCBP2	Caudate	4.17E-08	0.000702	3.01E-07	increasing	0
SDF2L1	Caudate	1.45E-08	0.000678	6.24E-07	increasing	0
SDHC	Caudate	3.21E-09	-0.00039	0.007885	other	1
SDK2	Caudate	1.62E-07	0.000197	0.188669	other	0
SEC14L1	Caudate	5.61E-08	0.000725	2.45E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SEC14L5	Caudate	2.27E-09	0.000764	2.10E-09	increasing	0
SEC24C	Caudate	1.33E-07	0.0004	0.006934	other	0
SEC31B	Caudate	5.14E-08	0.000791	1.40E-09	increasing	0
SEC61A1	Caudate	1.64E-12	-0.0002	0.181692	other	0
SEC62	Caudate	7.04E-08	-0.00047	0.001131	other	0
SEMA3F	Caudate	1.31E-10	8.08E-05	0.586304	other	0
SEMA4C	Caudate	2.33E-07	0.000607	1.81E-05	increasing	0
SEMA4F	Caudate	2.63E-08	0.000617	9.04E-06	increasing	0
SEMA5B	Caudate	9.63E-08	-0.00052	0.000192	other	0
SEMA6B	Caudate	8.19E-08	0.000404	0.00603	other	0
SENP7	Caudate	3.96E-09	-0.00079	3.45E-10	decreasing	0
SEPHS1	Caudate	6.30E-08	-0.0005	0.000275	other	0
SEPP1	Caudate	4.65E-09	0.000622	6.64E-06	increasing	0
SEPT4	Caudate	3.69E-21	0.000869	3.14E-13	increasing	0
SEPT8	Caudate	1.42E-14	0.000779	1.61E-09	increasing	0
SERBP1	Caudate	6.03E-11	-0.00078	1.14E-09	decreasing	0
SERHL2	Caudate	1.10E-07	0.000174	0.242972	other	0
SERINC3	Caudate	5.34E-08	-0.00048	0.00099	other	0
SERPIND1	Caudate	2.32E-09	0.000788	6.97E-10	increasing	0
SERPINE2	Caudate	1.37E-11	-0.00087	5.58E-12	decreasing	0
SERPING1	Caudate	8.26E-08	0.000525	0.000192	other	0
SF3A2	Caudate	1.28E-07	0.000526	0.000267	other	0
SFMBT1	Caudate	1.12E-10	-0.00078	2.81E-10	decreasing	0
SFT2D3	Caudate	1.02E-07	9.71E-05	0.515638	other	0
SFXN3	Caudate	2.29E-07	0.000593	2.92E-05	increasing	1
SFXN4	Caudate	1.55E-09	0.000666	1.47E-06	increasing	0
SGCB	Caudate	3.03E-09	-0.00076	8.19E-09	decreasing	0
SGCD	Caudate	5.33E-16	-0.00081	2.13E-10	decreasing	0
SGCZ	Caudate	5.92E-08	-0.00066	2.61E-06	decreasing	0
SGOL2	Caudate	4.19E-08	-0.00061	1.17E-05	decreasing	0
SGPL1	Caudate	3.12E-08	-0.00031	0.035173	other	0
SGSM1	Caudate	8.65E-11	0.00083	1.03E-10	increasing	0
SGSM2	Caudate	4.64E-09	0.000633	5.83E-06	increasing	0
SGTB	Caudate	1.83E-07	-0.00027	0.073581	other	0
SH2B2	Caudate	2.76E-08	4.47E-05	0.76479	other	0
SH2D5	Caudate	5.21E-16	0.000762	2.33E-09	increasing	0
SH3BGRL3	Caudate	1.37E-07	-0.00029	0.052025	other	0
SH3BP2	Caudate	1.58E-08	0.000171	0.250352	other	0
SH3GLB2	Caudate	1.96E-07	0.000532	0.000238	other	0
SH3TC1	Caudate	2.03E-08	0.000341	0.022091	other	0

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SH3TC2	Caudate	4.97E-10	0.000793	3.91E-10	increasing	0
SHARPIN	Caudate	8.15E-09	0.000741	3.57E-08	increasing	1
SHF	Caudate	4.85E-09	0.000171	0.255302	other	0
SHH	Caudate	2.35E-07	0.000406	0.006194	other	0
SHPRH	Caudate	3.57E-13	-0.00083	1.38E-11	decreasing	0
SHROOM1	Caudate	2.62E-08	0.000792	9.65E-10	increasing	0
SHROOM2	Caudate	2.50E-07	-9.21E-06	0.950605	other	0
SIGIRR	Caudate	1.34E-09	0.000798	1.15E-09	increasing	1
SIGLEC1	Caudate	2.11E-06	0.000711	8.53E-08	increasing	0
SIPA1L2	Caudate	2.52E-15	-0.00082	6.52E-11	decreasing	0
SIRT2	Caudate	1.09E-08	-2.43E-05	0.872054	other	0
SIRT3	Caudate	3.17E-09	0.000647	2.93E-06	increasing	0
SIRT7	Caudate	9.39E-08	0.000488	0.000859	other	0
SKAP1	Caudate	7.13E-15	-0.00085	8.87E-12	decreasing	0
SKIL	Caudate	3.28E-13	-0.00086	6.06E-12	decreasing	0
SLA	Caudate	2.60E-09	-0.00066	7.93E-07	decreasing	0
SLAIN1	Caudate	4.02E-08	0.000608	1.18E-05	increasing	0
SLAIN2	Caudate	3.38E-12	-0.00061	1.42E-05	decreasing	0
SLC10A3	Caudate	2.06E-08	0.000578	3.97E-05	increasing	0
SLC12A2	Caudate	3.35E-09	0.000386	0.007776	other	0
SLC12A3	Caudate	4.42E-09	0.00053	0.000164	other	0
SLC12A5	Caudate	5.94E-10	0.000462	0.001691	other	0
SLC12A8	Caudate	2.38E-08	-0.00025	0.089704	other	0
SLC12A9	Caudate	1.32E-08	0.000374	0.011695	other	0
SLC16A1	Caudate	1.40E-13	-0.00082	6.01E-11	decreasing	0
SLC16A11	Caudate	7.30E-17	0.000863	1.95E-12	increasing	0
SLC16A14	Caudate	3.22E-10	-0.00075	1.04E-08	decreasing	0
SLC16A4	Caudate	8.48E-08	-0.00063	3.56E-06	decreasing	0
SLC16A7	Caudate	2.02E-10	-0.00079	1.66E-09	decreasing	0
SLC17A2	Caudate	1.10E-13	0.000822	1.01E-11	increasing	0
SLC17A3	Caudate	1.33E-11	0.000796	3.63E-10	increasing	0
SLC17A5	Caudate	8.00E-08	0.000569	5.37E-05	increasing	0
SLC18A2	Caudate	1.07E-07	-0.00075	1.45E-08	decreasing	0
SLC1A6	Caudate	2.76E-09	-0.0001	0.50221	other	0
SLC20A2	Caudate	3.24E-14	0.000814	4.74E-11	increasing	0
SLC22A17	Caudate	1.47E-09	0.000751	2.05E-08	increasing	0
SLC24A3	Caudate	2.48E-07	-0.00061	1.21E-05	decreasing	0
SLC24A5	Caudate	1.48E-08	-0.00077	7.47E-09	decreasing	0
SLC25A1	Caudate	4.29E-08	0.000577	5.40E-05	increasing	0
SLC25A10	Caudate	1.60E-10	0.000493	0.000707	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SLC25A13	Caudate	6.55E-08	0.000734	3.35E-08	increasing	0
SLC25A28	Caudate	6.03E-08	0.000761	3.65E-09	increasing	0
SLC25A34	Caudate	1.95E-07	0.000652	3.05E-06	increasing	0
SLC25A39	Caudate	3.76E-10	0.000277	0.060228	other	0
SLC25A40	Caudate	7.34E-12	-0.00043	0.003443	other	0
SLC25A42	Caudate	5.60E-08	0.000743	3.61E-08	increasing	0
SLC25A45	Caudate	2.02E-12	0.000784	5.16E-10	increasing	0
SLC26A1	Caudate	3.99E-09	0.000735	5.57E-08	increasing	0
SLC26A11	Caudate	1.13E-11	0.000819	2.78E-10	increasing	0
SLC26A5	Caudate	2.72E-13	0.000847	9.92E-13	increasing	0
SLC26A6	Caudate	2.19E-07	0.000403	0.005897	other	0
SLC27A1	Caudate	1.92E-07	0.000603	1.96E-05	increasing	0
SLC27A4	Caudate	4.44E-09	0.00061	1.15E-05	increasing	0
SLC29A2	Caudate	3.75E-11	0.000415	0.004863	other	0
SLC29A4	Caudate	5.08E-08	0.000466	0.000863	other	0
SLC2A12	Caudate	1.91E-07	0.000532	0.000135	other	0
SLC2A6	Caudate	2.05E-11	0.000461	0.001657	other	0
SLC2A8	Caudate	5.61E-12	0.000474	0.000803	other	0
SLC30A10	Caudate	1.81E-08	-0.00073	1.92E-08	decreasing	0
SLC30A4	Caudate	2.91E-08	-0.00061	1.45E-05	decreasing	0
SLC30A6	Caudate	1.90E-07	-0.00073	5.74E-08	decreasing	0
SLC30A7	Caudate	2.95E-05	-0.00071	2.23E-07	decreasing	0
SLC35A1	Caudate	2.06E-06	-0.00071	1.32E-07	decreasing	0
SLC35B2	Caudate	2.61E-09	0.00033	0.02788	other	0
SLC35B3	Caudate	1.96E-10	-0.00084	3.39E-11	decreasing	0
SLC35C2	Caudate	6.51E-10	0.00016	0.288595	other	0
SLC35D2	Caudate	4.69E-06	0.000711	1.65E-07	increasing	0
SLC35E1	Caudate	1.75E-13	0.000465	0.001548	other	0
SLC35F1	Caudate	8.63E-16	-0.00086	3.20E-12	decreasing	1
SLC35F3	Caudate	1.50E-08	0.000496	0.000351	other	1
SLC36A1	Caudate	1.59E-09	-0.00069	3.10E-07	decreasing	0
SLC38A1	Caudate	4.70E-10	-0.00079	1.34E-09	decreasing	0
SLC38A10	Caudate	1.60E-07	0.000265	0.078611	other	0
SLC39A11	Caudate	4.45E-06	0.000724	1.02E-07	increasing	0
SLC39A6	Caudate	1.28E-08	-0.00062	1.12E-05	decreasing	0
SLC40A1	Caudate	1.05E-10	-0.00075	9.95E-09	decreasing	0
SLC43A2	Caudate	9.13E-09	9.68E-05	0.524475	other	0
SLC44A1	Caudate	9.92E-10	0.000726	2.35E-08	increasing	0
SLC4A11	Caudate	2.12E-15	0.000879	1.14E-12	increasing	0
SLC4A3	Caudate	7.15E-10	0.000601	1.68E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SLC4A4	Caudate	1.73E-07	-0.00076	9.40E-09	decreasing	0
SLC52A2	Caudate	1.64E-07	1.50E-05	0.9208	other	0
SLC5A11	Caudate	3.14E-17	0.000848	9.29E-13	increasing	0
SLC5A3	Caudate	9.89E-09	0.000516	0.000325	other	0
SLC6A1	Caudate	9.83E-13	0.000181	0.229462	other	0
SLC6A11	Caudate	1.26E-09	0.000113	0.451416	other	0
SLC6A6	Caudate	1.46E-08	-0.0002	0.198838	other	0
SLC6A8	Caudate	4.34E-06	0.000721	9.35E-08	increasing	0
SLC8A2	Caudate	1.23E-08	2.82E-05	0.852191	other	0
SLC8A3	Caudate	4.33E-11	-0.00073	5.22E-08	decreasing	0
SLC9A3	Caudate	9.46E-11	0.000566	7.87E-05	increasing	0
SLC9A5	Caudate	1.23E-08	0.000721	5.73E-08	increasing	0
SLC9A7	Caudate	5.76E-16	0.000827	6.59E-12	increasing	0
SLC9A8	Caudate	1.28E-07	0.000287	0.049113	other	0
SLCO1A2	Caudate	8.37E-08	0.000507	0.000374	other	0
SLCO1C1	Caudate	4.18E-06	-0.00072	9.05E-08	decreasing	0
SLCO5A1	Caudate	1.67E-08	4.62E-05	0.759119	other	0
SLITRK4	Caudate	3.79E-11	-0.00076	1.04E-08	decreasing	0
SMAD3	Caudate	2.21E-08	4.52E-05	0.762465	other	0
SMAD7	Caudate	1.27E-07	-0.00046	0.001602	other	0
SMARCA1	Caudate	9.79E-08	-0.00076	3.13E-09	decreasing	0
SMARCA4	Caudate	5.76E-10	0.00038	0.009113	other	0
SMARCA5	Caudate	1.86E-08	-0.00024	0.111881	other	0
SMARCE1	Caudate	3.08E-08	-0.00065	2.92E-06	decreasing	0
SMC4	Caudate	1.91E-08	-0.00064	6.03E-06	decreasing	0
SMC6	Caudate	7.16E-11	-0.00074	2.17E-08	decreasing	0
SMCR8	Caudate	8.33E-07	0.000715	4.31E-08	increasing	0
SMEK2	Caudate	1.46E-11	-0.00082	5.32E-11	decreasing	0
SMG5	Caudate	1.74E-09	0.000451	0.002188	other	0
SMG6	Caudate	1.39E-08	0.000709	1.92E-07	increasing	0
SMIM13	Caudate	6.10E-06	-0.00071	2.45E-07	decreasing	0
SMIM15	Caudate	7.79E-07	-0.00071	2.39E-07	decreasing	0
SMIM17	Caudate	7.19E-09	-0.00079	3.62E-10	decreasing	0
SMIM2	Caudate	1.24E-09	0.000764	4.92E-09	increasing	0
SMIM5	Caudate	1.05E-09	0.000765	1.01E-08	increasing	0
SMOC2	Caudate	2.15E-07	-0.00044	0.002977	other	0
SMPD3	Caudate	2.57E-07	-0.00041	0.005719	other	0
SMPD4	Caudate	5.77E-08	0.000623	9.91E-06	increasing	0
SMPDL3A	Caudate	7.90E-10	-0.00073	9.82E-09	decreasing	0
SMS	Caudate	7.14E-07	-0.0007	1.57E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SMYD2	Caudate	3.68E-08	9.43E-05	0.519741	other	0
SNAP25	Caudate	3.10E-14	9.23E-05	0.528526	other	0
SNAP47	Caudate	4.91E-08	0.000181	0.228318	other	0
SNAPC4	Caudate	2.16E-08	0.000663	1.48E-06	increasing	0
SNED1	Caudate	6.07E-12	0.00081	3.13E-10	increasing	0
SNN	Caudate	7.37E-10	0.00053	0.000176	other	0
SNPH	Caudate	5.25E-09	0.000743	8.37E-09	increasing	0
SNRK	Caudate	5.23E-07	-0.00073	3.09E-08	decreasing	0
SNRNP70	Caudate	8.30E-09	0.000376	0.009908	other	0
SNTA1	Caudate	3.63E-10	0.000677	8.53E-07	increasing	0
SNTG2	Caudate	2.98E-07	0.00076	1.37E-08	increasing	1
SNX10	Caudate	9.73E-08	-0.00076	1.43E-08	decreasing	0
SNX13	Caudate	6.18E-11	-0.00081	5.05E-10	decreasing	0
SNX14	Caudate	6.34E-11	-0.00059	3.28E-05	decreasing	0
SNX2	Caudate	4.10E-08	-0.00066	1.92E-06	decreasing	0
SNX21	Caudate	9.11E-12	0.000773	5.79E-09	increasing	0
SNX30	Caudate	4.98E-08	0.000771	6.61E-10	increasing	0
SOCS2	Caudate	8.01E-14	-0.00082	6.01E-11	decreasing	0
SOCS4	Caudate	9.43E-08	-0.00074	2.11E-08	decreasing	0
SOCS5	Caudate	4.85E-08	-0.00071	2.01E-07	decreasing	0
SOGA1	Caudate	1.09E-09	0.000269	0.070719	other	0
SOGA3	Caudate	4.51E-13	0.000456	0.001906	other	0
SORT1	Caudate	2.95E-09	0.000719	3.56E-08	increasing	0
SOS2	Caudate	3.24E-09	-0.00058	5.60E-05	decreasing	0
SOWAHA	Caudate	5.86E-15	0.000765	6.12E-09	increasing	0
SOX10	Caudate	2.30E-07	0.000644	4.33E-06	increasing	0
SOX11	Caudate	1.54E-13	-0.00078	8.98E-10	decreasing	0
SOX4	Caudate	8.80E-16	-0.00086	2.20E-13	decreasing	0
SOX6	Caudate	4.44E-11	-0.00071	8.39E-08	decreasing	0
SOX8	Caudate	1.04E-08	0.000509	0.0004	other	0
SP4	Caudate	3.73E-08	-0.00072	9.13E-08	decreasing	0
SPAST	Caudate	1.76E-08	-0.00067	6.22E-07	decreasing	0
SPATA13	Caudate	2.79E-10	0.000621	7.62E-06	increasing	1
SPATA20	Caudate	6.86E-09	0.000466	0.001449	other	0
SPATA2L	Caudate	4.48E-09	-0.00032	0.031834	other	0
SPATA7	Caudate	3.64E-08	-0.00052	0.000306	other	0
SPCS2	Caudate	7.12E-12	-0.0002	0.175045	other	0
SPCS3	Caudate	2.92E-09	-0.00079	1.84E-09	decreasing	0
SPDEF	Caudate	5.61E-08	0.000588	2.66E-05	increasing	0
SPDYC	Caudate	3.70E-07	0.000729	7.54E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SPECC1	Caudate	2.07E-07	0.000551	7.10E-05	increasing	0
SPICE1	Caudate	4.15E-08	-0.00071	4.93E-08	decreasing	0
SPIN1	Caudate	8.71E-08	-0.00043	0.003458	other	0
SPIN4	Caudate	4.08E-09	-0.00053	0.000106	other	0
SPIRE1	Caudate	1.38E-07	0.000566	7.07E-05	increasing	0
SPIRE2	Caudate	2.83E-10	0.000307	0.03306	other	0
SPNS1	Caudate	4.22E-11	6.13E-05	0.682986	other	0
SPNS2	Caudate	9.41E-08	0.000489	0.00083	other	0
SPOCK2	Caudate	1.49E-09	0.000671	4.50E-07	increasing	0
SPON1	Caudate	1.60E-09	-0.00027	0.071856	other	0
SPOPL	Caudate	1.21E-10	-0.00023	0.125978	other	0
SPP1	Caudate	2.18E-12	0.000752	7.74E-09	increasing	0
SPPL2B	Caudate	1.38E-08	0.00048	0.000938	other	0
SPRY3	Caudate	9.32E-11	-7.98E-05	0.59352	other	0
SPRYD3	Caudate	3.75E-11	0.00071	3.54E-08	increasing	0
SPSB1	Caudate	2.67E-13	0.000843	9.34E-12	increasing	0
SPSB3	Caudate	6.48E-09	0.000433	0.002949	other	0
SPTAN1	Caudate	5.67E-10	0.000408	0.00598	other	0
SPTB	Caudate	1.31E-12	6.66E-05	0.657246	other	0
SPTBN2	Caudate	5.70E-12	0.000591	2.35E-05	increasing	0
SPTBN4	Caudate	1.60E-11	0.000586	3.73E-05	increasing	0
SPTSSB	Caudate	6.63E-06	-0.00072	1.30E-07	decreasing	0
SQSTM1	Caudate	1.07E-09	0.000703	2.82E-07	increasing	0
SRA1	Caudate	4.19E-09	0.000168	0.269608	other	0
SRCIN1	Caudate	6.20E-10	0.00063	7.68E-06	increasing	0
SREBF1	Caudate	7.25E-12	0.000836	5.30E-11	increasing	0
SREK1	Caudate	3.71E-11	-0.00079	6.92E-10	decreasing	0
SREK1IP1	Caudate	1.38E-09	-0.00076	1.50E-08	decreasing	0
SRP72	Caudate	5.10E-08	-0.0003	0.042149	other	0
SRPK3	Caudate	1.66E-09	0.000784	3.15E-09	increasing	0
SRRM3	Caudate	2.32E-07	0.000636	5.11E-06	increasing	0
SRSF10	Caudate	1.03E-08	-0.00065	3.27E-06	decreasing	0
SS18L1	Caudate	9.84E-12	0.0004	0.006628	other	0
SSBP2	Caudate	3.32E-15	-0.00083	1.63E-11	decreasing	0
SSBP4	Caudate	1.43E-09	0.000647	3.82E-06	increasing	0
SSH3	Caudate	2.91E-08	0.000661	1.96E-06	increasing	0
SSR1	Caudate	9.81E-10	-0.00061	1.24E-05	decreasing	0
SSX2IP	Caudate	1.84E-08	-0.00067	1.58E-06	decreasing	0
ST18	Caudate	4.70E-08	0.000733	2.06E-08	increasing	0
ST3GAL2	Caudate	1.08E-10	0.000196	0.19994	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ST8SIA2	Caudate	7.89E-12	-0.00075	9.70E-09	decreasing	0
STAB1	Caudate	1.91E-07	-0.00057	4.32E-05	decreasing	0
STAM	Caudate	2.74E-09	-0.00041	0.005476	other	0
STAM2	Caudate	7.52E-08	-0.00059	3.00E-05	decreasing	0
STAMBPL1	Caudate	5.97E-08	0.00048	0.00079	other	0
STARD10	Caudate	3.80E-13	0.000641	1.93E-06	increasing	0
STARD3	Caudate	5.48E-10	0.000751	1.74E-08	increasing	0
STAT2	Caudate	1.82E-07	0.000276	0.066385	other	0
STAT3	Caudate	8.02E-10	0.000203	0.168726	other	0
STAT4	Caudate	7.26E-08	-0.0001	0.488534	other	0
STAT5A	Caudate	9.55E-10	0.000709	6.13E-08	increasing	0
STAT6	Caudate	4.08E-13	0.00074	1.34E-08	increasing	0
STC1	Caudate	1.86E-09	-0.00079	1.13E-09	decreasing	0
STK11	Caudate	7.76E-12	0.000538	0.000194	other	0
STK11IP	Caudate	1.48E-08	0.000598	2.17E-05	increasing	0
STK39	Caudate	1.63E-07	0.000354	0.015994	other	0
STMN2	Caudate	1.29E-12	-0.00083	1.16E-11	decreasing	0
STMN3	Caudate	1.60E-07	0.000322	0.032265	other	1
STOML1	Caudate	3.72E-08	8.09E-05	0.595345	other	0
STRADB	Caudate	3.68E-12	-0.0008	1.89E-10	decreasing	0
STRBP	Caudate	2.83E-10	-0.00076	8.10E-09	decreasing	1
STRC	Caudate	3.76E-13	0.000833	2.26E-11	increasing	0
STRIP2	Caudate	7.39E-10	-0.00074	2.92E-08	decreasing	1
STRN	Caudate	6.05E-10	-0.00084	2.45E-11	decreasing	0
STRN4	Caudate	4.07E-09	-6.39E-05	0.672532	other	0
STT3B	Caudate	1.95E-08	-0.00077	7.34E-09	decreasing	0
STUB1	Caudate	5.44E-08	0.000481	0.000956	other	0
STX7	Caudate	2.61E-06	-0.00071	2.18E-07	decreasing	0
STXBP3	Caudate	1.24E-08	9.60E-05	0.523504	other	0
STXBP5	Caudate	5.78E-07	-0.00071	1.71E-07	decreasing	0
STXBP5L	Caudate	2.40E-08	-0.00023	0.112936	other	0
STXBP6	Caudate	1.64E-11	-0.00084	5.94E-11	decreasing	0
STYX	Caudate	1.44E-09	-0.00075	3.04E-08	decreasing	0
SUCO	Caudate	2.32E-07	-0.00032	0.032096	other	0
SUGP2	Caudate	5.11E-10	0.000248	0.098183	other	0
SUGT1	Caudate	8.52E-10	-0.00051	0.000471	other	0
SULT1E1	Caudate	8.35E-11	-0.00073	3.18E-08	decreasing	0
SUN2	Caudate	1.92E-16	0.000847	9.82E-13	increasing	0
SUPT20H	Caudate	4.73E-10	-0.00026	0.085278	other	0
SUPT5H	Caudate	3.78E-08	0.000291	0.049936	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SURF4	Caudate	4.75E-08	0.000559	0.000103	other	0
SUV420H1	Caudate	6.49E-10	-0.00065	1.88E-06	decreasing	0
SUV420H2	Caudate	2.39E-07	0.000263	0.076033	other	0
SUZ12	Caudate	6.87E-08	-0.0006	2.12E-05	decreasing	0
SVEP1	Caudate	1.02E-11	0.000834	5.15E-11	increasing	0
SVIP	Caudate	2.20E-07	3.57E-05	0.81245	other	0
SWT1	Caudate	9.92E-08	-8.87E-05	0.560996	other	0
SYMPK	Caudate	5.05E-09	0.000719	9.07E-08	increasing	0
SYN2	Caudate	4.55E-08	0.000772	6.64E-09	increasing	0
SYNCRIP	Caudate	1.18E-14	-0.00083	3.24E-11	decreasing	0
SYNDIG1	Caudate	8.16E-08	-0.00061	1.58E-05	decreasing	0
SYNDIG1L	Caudate	2.97E-10	-0.00073	7.44E-08	decreasing	0
SYNE2	Caudate	4.52E-09	-0.00062	6.19E-06	decreasing	0
SYNGR3	Caudate	1.20E-07	0.000491	0.000697	other	0
SYNJ1	Caudate	4.53E-08	-0.00012	0.401754	other	0
SYNJ2	Caudate	1.12E-08	0.000805	3.76E-10	increasing	0
SYNJ2BP	Caudate	1.45E-07	-0.00065	2.81E-06	decreasing	0
SYNM	Caudate	3.84E-12	0.000622	9.90E-06	increasing	1
SYNPO	Caudate	1.12E-09	0.000198	0.173118	other	0
SYP	Caudate	5.90E-08	-0.00058	3.86E-05	decreasing	0
SYPL1	Caudate	1.68E-10	-0.00056	8.73E-05	decreasing	0
SYT10	Caudate	1.03E-10	-0.00062	5.24E-06	decreasing	0
SYT12	Caudate	2.24E-10	0.00054	8.28E-05	increasing	0
SYT17	Caudate	8.48E-13	-0.00073	3.63E-08	decreasing	0
SYT2	Caudate	4.15E-11	0.000622	5.25E-06	increasing	1
SYTL1	Caudate	3.76E-20	0.000881	2.40E-13	increasing	0
TAB1	Caudate	2.16E-14	0.000261	0.0791	other	0
TACC3	Caudate	2.46E-09	-1.90E-05	0.899561	other	0
TADA2B	Caudate	1.48E-11	0.000362	0.014444	other	0
TAF1B	Caudate	1.18E-08	-0.00074	1.48E-08	decreasing	0
TAF2	Caudate	5.68E-09	-0.00075	1.20E-08	decreasing	0
TAF3	Caudate	2.55E-07	-1.11E-05	0.940878	other	0
TAF6L	Caudate	9.32E-11	0.000529	0.000222	other	0
TAF9B	Caudate	4.88E-08	-0.00052	0.000365	other	0
TANGO2	Caudate	6.87E-09	0.000745	3.02E-08	increasing	0
TANGO6	Caudate	1.82E-12	0.000448	0.001987	other	0
TANK	Caudate	8.49E-07	-0.00072	5.33E-08	decreasing	0
TAOK2	Caudate	8.26E-12	1.14E-05	0.939271	other	0
TAP2	Caudate	4.69E-10	0.000773	5.71E-09	increasing	0
TARSL2	Caudate	2.93E-13	0.000709	1.11E-07	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TATDN2	Caudate	3.80E-08	-4.21E-05	0.77818	other	0
TAX1BP1	Caudate	7.75E-11	-0.00026	0.06882	other	0
TBC1D1	Caudate	7.29E-16	0.000874	6.81E-13	increasing	0
TBC1D10B	Caudate	9.04E-12	0.000459	0.001795	other	0
TBC1D13	Caudate	6.85E-09	0.000788	2.23E-09	increasing	0
TBC1D14	Caudate	5.77E-10	-2.96E-05	0.843063	other	0
TBC1D15	Caudate	8.91E-09	-0.00023	0.131269	other	0
TBC1D16	Caudate	1.55E-08	0.000329	0.027346	other	0
TBC1D17	Caudate	9.03E-11	0.000804	4.56E-10	increasing	0
TBC1D22A	Caudate	7.61E-10	0.000708	2.22E-07	increasing	0
TBC1D2B	Caudate	2.70E-07	0.000774	5.63E-09	increasing	0
TBC1D4	Caudate	1.72E-17	0.000808	2.10E-10	increasing	0
TBC1D8B	Caudate	3.90E-08	-0.00037	0.011168	other	0
TBC1D9	Caudate	3.66E-09	-0.00061	1.05E-05	decreasing	0
TBC1D9B	Caudate	7.17E-11	0.000614	1.41E-05	increasing	0
TBCB	Caudate	3.78E-09	0.000219	0.146353	other	0
TBCEL	Caudate	4.87E-07	-0.00079	1.14E-09	decreasing	0
TBL1XR1	Caudate	1.79E-10	-0.00082	1.95E-10	decreasing	0
TBL2	Caudate	1.17E-08	0.000135	0.369664	other	0
TBL3	Caudate	4.95E-09	0.000584	4.28E-05	increasing	0
TBRG4	Caudate	4.25E-08	0.000214	0.158576	other	0
TCAP	Caudate	7.71E-07	0.000726	8.99E-08	increasing	0
TCEAL6	Caudate	1.46E-07	0.000171	0.251493	other	0
TCEB1	Caudate	2.62E-10	-0.00058	3.30E-05	decreasing	0
TCERG1	Caudate	2.49E-09	-0.00077	8.17E-09	decreasing	0
TCF25	Caudate	4.74E-10	0.000467	0.001454	other	0
TCF3	Caudate	1.98E-09	0.000234	0.117356	other	0
TCF4	Caudate	2.42E-08	-0.0007	1.19E-07	decreasing	0
TCHP	Caudate	3.79E-09	0.000794	1.45E-09	increasing	0
TDG	Caudate	7.76E-13	-0.00079	6.82E-10	decreasing	0
TECPR1	Caudate	2.03E-08	0.000501	0.000589	other	0
TECR	Caudate	1.85E-12	0.000756	7.23E-09	increasing	0
TELO2	Caudate	4.73E-11	0.000461	0.00116	other	0
TENC1	Caudate	3.50E-07	0.00074	2.11E-08	increasing	0
TENM3	Caudate	9.53E-11	-0.00058	2.50E-05	decreasing	0
TEP1	Caudate	4.48E-09	0.000695	4.36E-07	increasing	0
TEPP	Caudate	9.72E-08	0.000713	1.54E-07	increasing	0
TERF1	Caudate	1.43E-09	-0.00053	0.000274	other	0
TERF2	Caudate	1.04E-12	0.000122	0.402905	other	0
TERT	Caudate	1.36E-12	0.000752	1.08E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TESK1	Caudate	2.56E-09	0.000617	1.14E-05	increasing	0
TESK2	Caudate	1.06E-16	0.000838	6.14E-12	increasing	0
TET1	Caudate	7.59E-13	-0.00072	3.33E-08	decreasing	0
TET2	Caudate	1.14E-11	-0.00059	2.72E-05	decreasing	0
TET3	Caudate	8.26E-08	-0.00074	5.10E-08	decreasing	0
TEX2	Caudate	7.84E-09	0.00062	4.81E-06	increasing	0
TEX264	Caudate	5.74E-08	0.000645	3.92E-06	increasing	0
TEX37	Caudate	5.62E-13	-0.00026	0.010805	other	0
TFAP4	Caudate	4.26E-13	0.000829	1.34E-10	increasing	0
TFDP1	Caudate	2.66E-08	-0.0007	1.39E-07	decreasing	0
TFE3	Caudate	7.90E-10	0.000719	6.33E-08	increasing	0
TFG	Caudate	5.72E-10	-0.00058	5.26E-05	decreasing	0
TFRC	Caudate	3.83E-09	-0.00072	1.48E-07	decreasing	0
TGFA	Caudate	1.66E-07	-0.00067	5.17E-07	decreasing	1
TGFBR1	Caudate	1.31E-08	-0.00074	2.53E-08	decreasing	1
TGFBRAP1	Caudate	6.17E-12	9.02E-05	0.550366	other	0
THAP4	Caudate	1.39E-08	0.000674	9.02E-07	increasing	0
THEM6	Caudate	2.07E-08	0.000498	0.000604	other	1
THOC5	Caudate	4.13E-09	0.00016	0.282662	other	0
THOP1	Caudate	1.37E-11	0.00058	4.80E-05	increasing	0
THPO	Caudate	1.79E-07	0.00073	5.67E-08	increasing	0
THRA	Caudate	1.69E-13	0.000759	1.34E-08	increasing	0
THSD7A	Caudate	5.24E-06	-0.00072	4.66E-08	decreasing	0
THY1	Caudate	1.02E-08	-9.07E-05	0.543841	other	0
TIAM2	Caudate	3.52E-08	-0.0006	1.97E-05	decreasing	0
TIGD5	Caudate	3.70E-10	0.000429	0.003295	other	0
TIMM13	Caudate	1.64E-09	1.16E-05	0.939074	other	0
TIMM17B	Caudate	5.78E-08	0.000262	0.083578	other	0
TIMP2	Caudate	4.65E-09	0.000369	0.01057	other	0
TJAP1	Caudate	3.42E-14	0.000857	9.00E-12	increasing	0
TJP1	Caudate	5.85E-12	0.000417	0.003845	other	0
TJP2	Caudate	4.79E-09	0.000667	1.12E-06	increasing	0
TK2	Caudate	1.77E-07	0.000483	0.000892	other	0
TKT	Caudate	6.31E-09	0.000456	0.001874	other	0
TLK1	Caudate	1.74E-10	-0.00037	0.010627	other	0
TLN2	Caudate	4.01E-11	-0.00051	0.000403	other	0
TLR1	Caudate	5.19E-07	-0.00074	2.89E-08	decreasing	0
TM6SF2	Caudate	9.77E-07	0.000779	3.78E-09	increasing	0
TM7SF2	Caudate	4.94E-08	-0.00022	0.141244	other	0
TM9SF2	Caudate	4.60E-08	-0.00077	9.13E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TM9SF3	Caudate	7.41E-08	-0.00076	1.76E-08	decreasing	0
TMBIM1	Caudate	3.67E-13	0.000777	1.23E-09	increasing	0
TMC6	Caudate	9.46E-15	0.000841	7.70E-12	increasing	0
TMC7	Caudate	5.43E-07	0.000735	1.37E-08	increasing	0
TMCC2	Caudate	2.92E-10	0.000799	7.37E-11	increasing	0
TMED7	Caudate	1.68E-09	-0.00058	4.96E-05	decreasing	0
TMEM106B	Caudate	4.63E-08	-0.00066	2.68E-06	decreasing	0
TMEM108	Caudate	3.18E-08	-0.00056	6.47E-05	decreasing	0
TMEM109	Caudate	1.04E-12	0.000818	3.62E-11	increasing	0
TMEM115	Caudate	1.51E-07	0.000163	0.280032	other	0
TMEM117	Caudate	6.49E-06	-0.00072	1.23E-07	decreasing	0
TMEM120A	Caudate	5.69E-08	0.000309	0.034927	other	0
TMEM121	Caudate	4.56E-10	0.000271	0.068836	other	0
TMEM125	Caudate	1.95E-15	0.000821	4.47E-11	increasing	0
TMEM132A	Caudate	2.59E-10	0.000243	0.104598	other	0
TMEM132C	Caudate	2.60E-07	0.000723	5.67E-08	increasing	0
TMEM132D	Caudate	1.39E-07	0.000569	2.83E-05	increasing	0
TMEM134	Caudate	4.88E-08	0.000563	8.91E-05	increasing	0
TMEM135	Caudate	5.18E-08	-0.00072	1.55E-07	decreasing	0
TMEM144	Caudate	3.21E-09	0.000622	6.60E-06	increasing	0
TMEM145	Caudate	9.56E-08	0.000324	0.029793	other	0
TMEM150C	Caudate	5.49E-11	-0.0008	4.93E-10	decreasing	1
TMEM151B	Caudate	1.03E-09	-0.00018	0.232428	other	0
TMEM161A	Caudate	2.46E-07	0.000421	0.003616	other	0
TMEM161B	Caudate	1.54E-06	-0.00072	3.31E-08	decreasing	0
TMEM163	Caudate	7.45E-18	-0.0009	8.79E-14	decreasing	0
TMEM168	Caudate	2.83E-10	-0.00076	1.21E-09	decreasing	1
TMEM169	Caudate	1.26E-08	-0.00052	0.000194	other	0
TMEM170B	Caudate	3.56E-08	-0.00068	6.86E-07	decreasing	0
TMEM175	Caudate	1.28E-08	0.000355	0.016117	other	0
TMEM178B	Caudate	1.79E-07	-0.00044	0.002242	other	0
TMEM185B	Caudate	9.46E-08	8.94E-05	0.551494	other	0
TMEM191C	Caudate	1.47E-12	0.000642	2.57E-06	increasing	0
TMEM196	Caudate	1.29E-09	-0.00077	6.70E-09	decreasing	1
TMEM203	Caudate	2.40E-07	-4.44E-05	0.770925	other	0
TMEM235	Caudate	3.48E-18	0.000857	3.44E-12	increasing	0
TMEM240	Caudate	1.66E-09	0.000134	0.378994	other	0
TMEM246	Caudate	2.69E-06	0.000759	2.85E-09	increasing	0
TMEM257	Caudate	2.38E-07	-0.00069	4.70E-07	decreasing	0
TMEM259	Caudate	4.84E-11	0.000378	0.0096	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TMEM263	Caudate	1.98E-08	-0.00061	1.59E-05	decreasing	0
TMEM30B	Caudate	1.92E-09	0.000786	2.46E-09	increasing	0
TMEM33	Caudate	3.17E-09	-0.00067	1.63E-06	decreasing	0
TMEM43	Caudate	7.68E-08	0.000536	0.00016	other	0
TMEM45A	Caudate	4.96E-08	3.85E-05	0.798565	other	0
TMEM55A	Caudate	1.23E-07	-0.00017	0.264308	other	0
TMEM63C	Caudate	1.89E-07	0.000716	5.53E-08	increasing	0
TMEM65	Caudate	9.21E-12	-0.00081	2.98E-10	decreasing	0
TMEM68	Caudate	1.58E-05	-0.00072	4.60E-08	decreasing	0
TMEM74B	Caudate	7.32E-16	0.00083	5.08E-11	increasing	0
TMEM87B	Caudate	2.69E-08	-0.00034	0.022503	other	0
TMEM88B	Caudate	4.87E-14	0.000791	9.57E-10	increasing	0
TMEM91	Caudate	4.83E-10	0.000664	1.48E-06	increasing	0
TMF1	Caudate	1.31E-07	-0.0006	2.25E-05	decreasing	0
TMOD1	Caudate	2.02E-07	0.000469	0.00078	other	0
TMPRSS5	Caudate	5.45E-10	0.000807	5.75E-10	increasing	0
TNFAIP2	Caudate	8.52E-10	0.000565	5.37E-05	increasing	0
TNFAIP6	Caudate	1.62E-09	0.000686	3.15E-07	increasing	0
TNFRSF14	Caudate	4.21E-08	0.000735	4.98E-08	increasing	0
TNFRSF21	Caudate	1.50E-12	-0.00082	9.54E-11	decreasing	0
TNFSF9	Caudate	3.06E-11	0.000729	4.00E-08	increasing	1
TNIP1	Caudate	4.71E-13	0.00078	6.66E-10	increasing	0
TNK2	Caudate	2.34E-10	0.000759	1.28E-08	increasing	0
TNKS1BP1	Caudate	8.88E-11	0.000553	0.000113	other	0
TNKS2	Caudate	9.07E-08	-0.00042	0.004208	other	1
TNNC2	Caudate	2.48E-10	0.000763	6.10E-09	increasing	0
TNXB	Caudate	5.52E-11	0.000808	5.04E-10	increasing	0
TOB1	Caudate	4.72E-09	0.000141	0.356477	other	0
TOLLIP	Caudate	8.90E-09	0.000653	2.20E-06	increasing	0
TOM1	Caudate	8.14E-08	0.00029	0.05541	other	0
TOMM34	Caudate	1.03E-09	0.000473	0.000828	other	0
TOMM40	Caudate	1.83E-07	3.11E-05	0.838812	other	0
TOP1	Caudate	1.54E-07	-0.00067	1.26E-06	decreasing	0
TOP2B	Caudate	8.58E-15	-0.00086	7.53E-12	decreasing	0
TOP3B	Caudate	1.98E-08	0.000405	0.006347	other	0
TOPBP1	Caudate	2.51E-09	-0.00065	2.70E-06	decreasing	0
TOX	Caudate	6.59E-09	-0.00046	0.001126	other	0
TOX3	Caudate	9.94E-11	-0.00051	0.000427	other	0
TP53BP2	Caudate	5.78E-08	0.000103	0.498628	other	0
TPCN1	Caudate	3.99E-09	0.000798	7.74E-10	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TPD52L1	Caudate	1.56E-07	0.000216	0.143107	other	0
TPD52L2	Caudate	1.11E-13	0.000723	7.84E-08	increasing	0
TPGS1	Caudate	5.66E-10	0.000151	0.322672	other	0
TPP2	Caudate	1.89E-06	-0.00076	8.75E-09	decreasing	0
TPPP	Caudate	4.12E-09	0.000801	3.44E-10	increasing	0
TPRA1	Caudate	3.10E-09	0.000443	0.002559	other	0
TPRG1L	Caudate	5.64E-15	0.000718	4.79E-08	increasing	0
TPRN	Caudate	1.21E-12	0.000817	1.36E-10	increasing	0
TRADD	Caudate	6.43E-09	0.000547	0.000149	other	0
TRAF3	Caudate	8.93E-10	-0.00054	0.000114	other	0
TRAF7	Caudate	1.10E-07	0.000378	0.010897	other	0
TRAM1	Caudate	1.18E-07	-0.00074	4.52E-09	decreasing	0
TRANK1	Caudate	1.41E-09	0.00024	0.107177	other	0
TRAP1	Caudate	5.35E-09	0.000452	0.002154	other	0
TRAPPC10	Caudate	3.22E-11	0.000696	1.64E-07	increasing	1
TRAPPC12	Caudate	1.56E-12	0.000778	4.64E-09	increasing	0
TRAPPC5	Caudate	3.79E-10	0.000468	0.001426	other	0
TRDMT1	Caudate	9.16E-09	-0.00069	3.06E-07	decreasing	0
TRIB1	Caudate	4.91E-08	-0.00033	0.025982	other	0
TRIB2	Caudate	2.44E-19	-0.0009	1.57E-14	decreasing	0
TRIM24	Caudate	1.20E-11	-0.00078	3.15E-09	decreasing	0
TRIM26	Caudate	1.01E-05	0.000724	9.71E-08	increasing	0
TRIM27	Caudate	4.13E-10	5.13E-05	0.729583	other	0
TRIM28	Caudate	8.17E-12	0.000313	0.031577	other	0
TRIM3	Caudate	6.67E-10	0.000796	1.44E-09	increasing	0
TRIM35	Caudate	1.84E-11	0.000576	5.25E-05	increasing	0
TRIM54	Caudate	3.40E-08	-0.00035	0.018128	other	0
TRIM65	Caudate	1.07E-05	0.000739	4.53E-08	increasing	1
TRIO	Caudate	1.80E-10	-0.00025	0.091196	other	0
TRIP11	Caudate	3.45E-08	-0.00036	0.015864	other	0
TRIP12	Caudate	1.23E-08	-0.00023	0.107592	other	0
TRMT1	Caudate	1.20E-09	0.000339	0.022202	other	0
TRMT10A	Caudate	7.53E-08	-0.00024	0.108597	other	0
TRMT13	Caudate	3.18E-08	-0.00049	0.000742	other	0
TRMT2A	Caudate	9.09E-09	0.00026	0.078431	other	0
TRMT61A	Caudate	5.31E-09	0.000358	0.01571	other	0
TRNT1	Caudate	2.33E-12	-0.00087	2.30E-12	decreasing	0
TROVE2	Caudate	2.42E-11	-0.00078	3.18E-09	decreasing	0
TRPC1	Caudate	1.46E-07	-0.00071	3.33E-08	decreasing	0
TRPC4	Caudate	1.36E-10	-0.00077	6.55E-09	decreasing	0

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TRPC4AP	Caudate	8.46E-08	0.000322	0.031064	other	0
TRPC5	Caudate	2.47E-17	-0.0008	3.70E-10	decreasing	0
TRPC5OS	Caudate	2.00E-11	-0.00057	4.27E-05	decreasing	0
TRPM1	Caudate	7.60E-08	0.000797	1.17E-09	increasing	0
TRPT1	Caudate	1.50E-07	0.000557	0.000107	other	0
TRUB1	Caudate	6.90E-07	-0.00073	3.49E-08	decreasing	0
TSC2	Caudate	1.31E-11	0.000535	0.000208	other	0
TSC22D4	Caudate	4.14E-09	0.000719	8.32E-08	increasing	0
TSG101	Caudate	6.38E-09	-0.0003	0.041779	other	0
TSNARE1	Caudate	1.62E-07	0.000673	1.17E-06	increasing	0
TSPAN12	Caudate	5.16E-11	-0.00081	4.40E-11	decreasing	0
TSPAN13	Caudate	9.81E-11	-0.00072	1.40E-07	decreasing	0
TSPAN15	Caudate	2.32E-11	0.00077	3.49E-09	increasing	0
TSPAN17	Caudate	2.62E-08	0.000694	4.66E-07	increasing	0
TSPAN2	Caudate	5.84E-10	-0.00068	5.38E-07	decreasing	0
TSPAN7	Caudate	8.06E-11	-0.0004	0.006013	other	0
TSPAN9	Caudate	8.59E-09	-0.00056	8.55E-05	decreasing	0
TSPEAR	Caudate	2.30E-10	0.000806	9.15E-11	increasing	0
TSPYL1	Caudate	1.13E-08	0.000618	6.26E-06	increasing	0
TSPYL2	Caudate	5.16E-09	0.000691	2.14E-07	increasing	0
TSR1	Caudate	3.36E-09	-4.03E-05	0.789205	other	1
TSR3	Caudate	1.11E-09	0.000422	0.00439	other	0
TTBK2	Caudate	8.60E-09	0.000171	0.247467	other	0
TTC1	Caudate	2.85E-08	-2.33E-05	0.877108	other	0
TTC3	Caudate	2.16E-08	-0.00055	0.000108	other	0
TTC37	Caudate	6.21E-07	-0.00073	3.70E-08	decreasing	0
TTC38	Caudate	2.29E-13	0.000216	0.142027	other	0
TTPAL	Caudate	6.69E-09	-0.00066	1.12E-06	decreasing	0
TTYH2	Caudate	1.57E-14	0.000846	2.98E-12	increasing	0
TUB	Caudate	6.98E-10	0.000639	3.92E-06	increasing	0
TUBA1A	Caudate	1.20E-07	-0.00068	3.19E-07	decreasing	0
TUBG1	Caudate	2.55E-07	-0.00055	0.00012	other	0
TUBGCP2	Caudate	4.06E-10	0.000516	0.000356	other	0
TUBGCP6	Caudate	3.20E-11	0.000742	3.51E-08	increasing	0
TUFT1	Caudate	1.17E-07	0.000766	4.40E-09	increasing	1
TULP4	Caudate	8.01E-08	0.000371	0.010751	other	0
TUSC1	Caudate	2.95E-09	7.30E-05	0.623042	other	0
TXLNA	Caudate	1.76E-08	-0.00016	0.265698	other	0
TXNDC5	Caudate	3.44E-10	0.000804	7.66E-10	increasing	0
TXNL1	Caudate	1.78E-08	-0.00044	0.002568	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TYRO3	Caudate	1.07E-13	0.000808	8.24E-11	increasing	0
TYSND1	Caudate	1.84E-11	0.00068	8.61E-07	increasing	0
U2AF1	Caudate	2.40E-08	0.000165	0.279351	other	0
U2AF1L4	Caudate	1.30E-08	-0.00044	0.002377	other	0
U2AF2	Caudate	1.20E-08	0.000221	0.138907	other	0
U2SURP	Caudate	3.62E-09	-0.00058	5.03E-05	decreasing	0
UAP1L1	Caudate	1.22E-06	0.000723	1.06E-07	increasing	0
UBAC1	Caudate	2.54E-07	0.000515	0.000383	other	0
UBASH3B	Caudate	1.81E-08	-0.00069	4.36E-07	decreasing	0
UBE2B	Caudate	8.89E-11	-0.00046	0.001513	other	0
UBE2E1	Caudate	6.62E-11	-0.0006	2.40E-05	decreasing	0
UBE2E2	Caudate	1.51E-11	-0.00062	1.21E-05	decreasing	0
UBE2E3	Caudate	1.36E-07	-0.00066	1.42E-06	decreasing	0
UBE2G1	Caudate	4.46E-10	-0.00067	1.26E-06	decreasing	0
UBE2K	Caudate	4.70E-10	-0.00075	2.23E-08	decreasing	0
UBE2O	Caudate	2.62E-12	0.000191	0.208784	other	0
UBE2V1	Caudate	4.75E-09	-0.00032	0.034389	other	0
UBE2V2	Caudate	1.21E-09	-0.00063	7.66E-06	decreasing	0
UBE2W	Caudate	3.64E-06	-0.00073	7.61E-08	decreasing	0
UBE3A	Caudate	1.59E-08	-0.00066	2.18E-06	decreasing	0
UBFD1	Caudate	5.80E-10	-0.00061	8.99E-06	decreasing	0
UBL4A	Caudate	1.88E-07	-1.74E-05	0.906648	other	0
UBLCP1	Caudate	5.82E-12	-0.00067	1.49E-06	decreasing	0
UBN1	Caudate	1.07E-07	0.000417	0.004796	other	0
UBOX5	Caudate	1.89E-07	0.000736	2.14E-08	increasing	0
UBP1	Caudate	9.75E-08	0.000247	0.087859	other	0
UBR3	Caudate	1.70E-08	-0.00069	5.98E-07	decreasing	0
UBR7	Caudate	1.11E-09	-0.00023	0.127767	other	0
UBTD2	Caudate	4.33E-10	-0.0007	8.48E-08	decreasing	0
UBXN2B	Caudate	2.89E-17	-0.00086	5.99E-12	decreasing	0
UBXN6	Caudate	1.25E-10	0.000643	2.90E-06	increasing	0
UCK1	Caudate	1.38E-08	0.000484	0.000916	other	0
UCK2	Caudate	5.45E-09	-0.00045	0.00197	other	0
UCKL1	Caudate	7.42E-12	0.00059	3.19E-05	increasing	0
UFM1	Caudate	1.98E-07	-0.00077	8.94E-09	decreasing	0
UGDH	Caudate	1.43E-07	-0.00061	1.39E-05	decreasing	0
UGGT2	Caudate	1.01E-09	-0.00072	6.21E-08	decreasing	0
UHMK1	Caudate	2.15E-07	-0.0006	1.81E-05	decreasing	0
UHRF1BP1L	Caudate	2.20E-10	-0.00081	4.08E-10	decreasing	0
UNC13B	Caudate	7.17E-09	0.000489	0.000515	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
UNC13D	Caudate	8.42E-08	0.000785	2.59E-09	increasing	0
UNC45A	Caudate	2.57E-11	0.000363	0.012531	other	0
UNC5D	Caudate	2.06E-08	0.000588	3.08E-05	increasing	1
UNC80	Caudate	1.03E-09	0.000711	5.55E-08	increasing	0
UPF1	Caudate	1.58E-13	0.000713	1.74E-07	increasing	0
URI1	Caudate	4.69E-08	-0.00041	0.005277	other	0
URM1	Caudate	4.38E-08	-0.00031	0.034515	other	0
UROD	Caudate	8.10E-09	0.000632	4.03E-06	increasing	0
USF1	Caudate	1.30E-08	-0.00017	0.257732	other	0
USH1C	Caudate	8.26E-07	0.000749	2.53E-08	increasing	1
USP11	Caudate	2.06E-10	0.00081	1.07E-10	increasing	0
USP12	Caudate	1.81E-08	-0.00039	0.005532	other	0
USP15	Caudate	2.12E-10	-0.00083	3.32E-11	decreasing	0
USP19	Caudate	1.09E-08	0.000251	0.094058	other	0
USP20	Caudate	2.21E-11	0.000806	6.47E-10	increasing	0
USP22	Caudate	2.12E-11	0.000333	0.02523	other	0
USP24	Caudate	7.03E-08	-0.00072	1.04E-07	decreasing	0
USP35	Caudate	5.20E-10	0.000667	8.91E-07	increasing	0
USP38	Caudate	1.37E-10	-0.00076	2.91E-09	decreasing	0
USP46	Caudate	5.13E-11	-0.00071	1.76E-07	decreasing	0
USP5	Caudate	1.71E-08	0.000314	0.036974	other	0
USP53	Caudate	2.57E-10	-0.00055	8.64E-05	decreasing	0
USP54	Caudate	5.40E-12	0.000839	2.79E-11	increasing	0
USP8	Caudate	1.72E-07	-0.00043	0.003282	other	0
VAMP1	Caudate	2.60E-07	0.000526	0.000197	other	1
VAMP4	Caudate	1.58E-07	-0.0006	1.59E-05	decreasing	0
VAPB	Caudate	2.52E-08	-0.0005	0.000582	other	0
VARS	Caudate	3.54E-13	0.000289	0.052095	other	0
VARS2	Caudate	4.64E-09	0.000268	0.068718	other	0
VAT1	Caudate	3.10E-11	0.000309	0.035819	other	0
VAT1L	Caudate	2.21E-09	0.000113	0.44563	other	0
VCAN	Caudate	8.07E-11	-0.0006	1.76E-05	decreasing	0
VCPIP1	Caudate	2.09E-07	-0.00032	0.024837	other	0
VDAC1	Caudate	1.11E-10	-0.00071	1.25E-07	decreasing	0
VEGFB	Caudate	8.08E-10	0.000379	0.008573	other	0
VEPH1	Caudate	2.07E-08	-0.00079	3.22E-10	decreasing	0
VEZT	Caudate	1.62E-08	-0.00076	5.17E-09	decreasing	0
VIPR2	Caudate	2.73E-07	0.000768	8.58E-09	increasing	1
VPS13A	Caudate	3.83E-08	-0.00037	0.013161	other	0
VPS16	Caudate	7.95E-11	0.000227	0.12262	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
VPS18	Caudate	2.03E-08	0.000481	0.001015	other	0
VPS26A	Caudate	4.04E-08	-0.00047	0.001331	other	1
VPS26B	Caudate	3.47E-11	0.000332	0.026986	other	0
VPS28	Caudate	2.83E-08	0.000424	0.003888	other	0
VPS37A	Caudate	1.63E-08	-0.00073	6.30E-08	decreasing	0
VPS37D	Caudate	2.29E-07	0.000487	0.000753	other	0
VPS4A	Caudate	1.05E-11	0.000344	0.021142	other	0
VPS51	Caudate	1.01E-10	0.000362	0.013911	other	0
VPS9D1	Caudate	2.91E-09	0.000579	4.55E-05	increasing	0
VSNL1	Caudate	1.81E-10	-0.00066	9.65E-07	decreasing	1
VSTM2A	Caudate	3.41E-14	-0.00077	1.87E-09	decreasing	0
VSTM2B	Caudate	1.50E-19	0.0009	1.06E-13	increasing	0
VWA1	Caudate	1.50E-11	0.000594	2.95E-05	increasing	0
VWF	Caudate	1.36E-09	0.000728	1.16E-08	increasing	0
WAC	Caudate	3.20E-12	-0.00034	0.019778	other	0
WASH1	Caudate	1.37E-07	0.000415	0.005152	other	0
WASL	Caudate	1.36E-08	-0.00032	0.028838	other	0
WBP2	Caudate	2.06E-10	0.000498	0.000333	other	0
WBP5	Caudate	5.13E-09	-0.00052	0.000325	other	0
WBSCR16	Caudate	1.47E-07	0.000429	0.003672	other	0
WDR1	Caudate	1.17E-08	-0.00022	0.136223	other	0
WDR12	Caudate	1.87E-07	-0.00073	5.06E-08	decreasing	0
WDR13	Caudate	4.65E-10	0.000443	0.002683	other	0
WDR18	Caudate	8.35E-09	0.000102	0.50389	other	0
WDR24	Caudate	3.58E-11	0.000442	0.002558	other	0
WDR34	Caudate	2.41E-11	0.000294	0.041247	other	0
WDR4	Caudate	7.35E-06	0.000695	2.04E-07	increasing	0
WDR6	Caudate	2.35E-12	0.000228	0.121278	other	0
WDR74	Caudate	1.41E-07	0.000157	0.290081	other	0
WDR81	Caudate	7.36E-12	0.000442	0.002678	other	0
WDR91	Caudate	9.06E-09	0.000742	3.63E-08	increasing	0
WDSUB1	Caudate	2.02E-07	0.000556	8.30E-05	increasing	0
WDTC1	Caudate	1.79E-07	0.000733	8.62E-09	increasing	0
WFS1	Caudate	3.73E-12	0.000833	4.00E-11	increasing	0
WIF1	Caudate	8.74E-09	-0.00023	0.128637	other	0
WNK3	Caudate	4.82E-08	-0.00039	0.007341	other	0
WNT1	Caudate	1.36E-08	0.000641	4.87E-06	increasing	0
WNT10B	Caudate	8.56E-09	0.000668	1.57E-06	increasing	0
WNT11	Caudate	2.46E-06	0.000741	4.01E-08	increasing	0
WNT16	Caudate	2.06E-11	-0.00078	3.30E-09	decreasing	0

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WNT5B	Caudate	6.80E-13	-0.00071	7.35E-08	decreasing	0
WNT6	Caudate	1.09E-10	0.000573	2.46E-05	increasing	0
WRN	Caudate	3.39E-07	-0.00071	1.28E-07	decreasing	1
WRNIP1	Caudate	3.92E-08	0.000273	0.068821	other	0
WSB2	Caudate	2.39E-10	-0.00075	1.04E-08	decreasing	0
WWP1	Caudate	9.08E-09	-0.00054	0.000128	other	0
WWP2	Caudate	5.02E-09	0.000787	9.61E-10	increasing	0
XAB2	Caudate	2.43E-08	0.000658	2.42E-06	increasing	0
XKR4	Caudate	6.05E-13	-0.0001	0.500679	other	0
XPC	Caudate	3.66E-08	0.000699	3.19E-07	increasing	0
XPNPEP1	Caudate	1.37E-07	-0.00042	0.004316	other	0
XPO6	Caudate	1.25E-10	0.000494	0.000522	other	0
XPOT	Caudate	5.30E-08	-0.00072	5.92E-08	decreasing	0
XPR1	Caudate	4.70E-18	-0.0009	3.84E-14	decreasing	0
XRN2	Caudate	2.01E-08	-0.00072	4.31E-08	decreasing	0
XXYLT1	Caudate	1.24E-08	0.000156	0.290839	other	1
XYLT2	Caudate	1.85E-11	0.000721	1.17E-07	increasing	0
YBX1	Caudate	4.44E-08	-0.00042	0.003875	other	0
YDJC	Caudate	9.61E-09	0.000482	0.000985	other	0
YES1	Caudate	5.93E-10	-0.00081	2.17E-10	decreasing	0
YIF1B	Caudate	1.28E-08	-0.00028	0.055403	other	0
YIPF4	Caudate	4.45E-10	-0.00075	2.89E-08	decreasing	0
YPEL1	Caudate	3.66E-09	0.000102	0.497153	other	0
YPEL3	Caudate	1.14E-14	0.000862	2.25E-12	increasing	0
YTHDC2	Caudate	6.32E-09	-0.00056	6.94E-05	decreasing	0
YTHDF3	Caudate	2.09E-10	-0.00066	1.59E-06	decreasing	0
YWHAE	Caudate	1.51E-08	-0.00046	0.00192	other	0
YWHAG	Caudate	2.55E-07	-0.00019	0.182491	other	0
YWHAZ	Caudate	6.70E-08	-0.00071	1.67E-07	decreasing	0
ZBTB12	Caudate	5.39E-08	0.000697	2.92E-07	increasing	0
ZBTB16	Caudate	8.53E-07	0.000732	4.59E-08	increasing	0
ZBTB17	Caudate	2.63E-09	0.000295	0.049886	other	0
ZBTB21	Caudate	7.42E-12	-0.00058	4.95E-05	decreasing	0
ZBTB41	Caudate	4.88E-09	-0.00076	3.55E-09	decreasing	0
ZBTB44	Caudate	2.68E-08	0.000763	2.26E-09	increasing	0
ZBTB46	Caudate	1.85E-15	0.000768	1.58E-09	increasing	0
ZBTB47	Caudate	8.21E-10	0.000682	7.34E-07	increasing	0
ZBTB8A	Caudate	2.37E-09	-0.00035	0.014468	other	0
ZC2HC1A	Caudate	4.30E-12	-0.00044	0.002911	other	0
ZC3H11A	Caudate	1.41E-07	-0.00036	0.016449	other	0

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ZC3H12C	Caudate	8.03E-07	-0.00077	6.94E-09	decreasing	0
ZC3H14	Caudate	1.26E-07	-0.00053	0.000264	other	0
ZC4H2	Caudate	1.09E-08	-0.00057	5.70E-05	decreasing	0
ZCCHC10	Caudate	1.88E-11	-0.00057	6.43E-05	decreasing	0
ZCCHC16	Caudate	9.06E-08	-0.00047	0.001079	other	0
ZCCHC24	Caudate	2.17E-08	0.000705	2.41E-07	increasing	0
ZCCHC7	Caudate	7.91E-08	-8.19E-05	0.589128	other	0
ZCWPW1	Caudate	3.94E-08	0.000747	1.23E-08	increasing	0
ZDHHC1	Caudate	2.01E-07	0.000656	1.81E-06	increasing	0
ZDHHC2	Caudate	3.87E-16	-0.0009	6.39E-14	decreasing	0
ZDHHC24	Caudate	1.08E-09	0.000538	0.000199	other	0
ZEB1	Caudate	1.01E-11	-0.00075	2.62E-08	decreasing	0
ZEB2	Caudate	1.28E-08	0.000618	5.34E-06	increasing	0
ZFP37	Caudate	4.14E-15	-0.0008	5.68E-10	decreasing	0
ZFP62	Caudate	1.16E-10	0.000762	1.23E-08	increasing	0
ZFPL1	Caudate	8.72E-08	0.000512	0.000374	other	0
ZFPM1	Caudate	6.45E-10	0.000662	1.47E-06	increasing	0
ZFYVE20	Caudate	1.64E-08	0.000743	3.63E-08	increasing	0
ZFYVE26	Caudate	7.36E-07	0.000727	7.23E-08	increasing	0
ZFYVE28	Caudate	6.35E-08	0.000654	1.90E-06	increasing	0
ZG16B	Caudate	1.47E-12	0.000808	2.50E-10	increasing	0
ZGPAT	Caudate	1.03E-10	0.00061	1.64E-05	increasing	0
ZIC3	Caudate	8.65E-09	-0.00073	5.73E-08	decreasing	0
ZKSCAN7	Caudate	4.08E-09	-0.00038	0.007918	other	0
ZMAT3	Caudate	2.07E-09	-0.00029	0.043773	other	0
ZMYM2	Caudate	5.16E-08	-0.00076	1.18E-08	decreasing	0
ZMYM4	Caudate	6.23E-09	-0.00064	4.54E-06	decreasing	0
ZMYND11	Caudate	5.12E-05	-0.0007	2.26E-07	decreasing	0
ZNF12	Caudate	3.42E-08	-0.00068	9.49E-07	decreasing	0
ZNF140	Caudate	3.51E-10	-0.00077	4.68E-09	decreasing	0
ZNF177	Caudate	1.12E-08	-0.00066	6.05E-07	decreasing	0
ZNF205	Caudate	2.56E-07	0.00033	0.02824	other	0
ZNF213	Caudate	4.11E-09	0.000479	0.001033	other	0
ZNF263	Caudate	2.60E-07	0.000274	0.068658	other	0
ZNF266	Caudate	4.00E-08	-0.0004	0.00607	other	0
ZNF276	Caudate	2.23E-10	0.000514	0.000304	other	0
ZNF282	Caudate	1.75E-13	0.000294	0.045726	other	0
ZNF283	Caudate	1.68E-09	-0.00073	4.54E-08	decreasing	1
ZNF292	Caudate	2.06E-08	-0.00062	8.51E-06	decreasing	0
ZNF300	Caudate	2.57E-09	-0.00069	2.20E-07	decreasing	1

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ZNF316	Caudate	2.61E-09	0.00059	3.35E-05	increasing	0
ZNF317	Caudate	1.73E-08	0.000127	0.396911	other	0
ZNF326	Caudate	4.08E-10	-0.00042	0.005011	other	0
ZNF335	Caudate	3.68E-08	0.0005	0.000304	other	0
ZNF385B	Caudate	5.18E-08	-8.68E-05	0.553685	other	0
ZNF395	Caudate	4.72E-07	0.000762	8.16E-09	increasing	0
ZNF41	Caudate	3.63E-07	-0.00073	6.09E-08	decreasing	0
ZNF428	Caudate	2.40E-09	5.32E-05	0.725117	other	0
ZNF446	Caudate	3.32E-09	0.000491	0.000739	other	0
ZNF48	Caudate	3.17E-09	7.86E-05	0.603474	other	0
ZNF483	Caudate	5.23E-10	0.000605	1.19E-05	increasing	0
ZNF496	Caudate	1.36E-09	0.000253	0.084763	other	0
ZNF497	Caudate	6.38E-10	0.000221	0.132978	other	0
ZNF500	Caudate	5.00E-10	0.000503	0.000471	other	0
ZNF512B	Caudate	2.16E-12	0.000195	0.194344	other	0
ZNF517	Caudate	9.31E-09	0.000331	0.023506	other	1
ZNF518A	Caudate	1.24E-08	-0.00073	2.95E-08	decreasing	0
ZNF521	Caudate	6.10E-13	-0.00077	3.52E-09	decreasing	0
ZNF526	Caudate	3.82E-06	0.000718	1.43E-07	increasing	0
ZNF528	Caudate	5.07E-09	-0.00076	1.45E-09	decreasing	0
ZNF536	Caudate	9.37E-14	0.000819	1.36E-11	increasing	0
ZNF558	Caudate	2.69E-11	-0.00057	3.99E-05	decreasing	0
ZNF565	Caudate	1.86E-08	0.000796	1.32E-09	increasing	0
ZNF566	Caudate	2.91E-08	-0.00042	0.004156	other	0
ZNF569	Caudate	1.27E-09	-0.00075	9.53E-09	decreasing	0
ZNF570	Caudate	1.97E-08	-0.00055	6.79E-05	decreasing	0
ZNF598	Caudate	6.43E-12	0.000748	2.75E-08	increasing	0
ZNF623	Caudate	1.55E-07	0.000222	0.142286	other	0
ZNF627	Caudate	1.18E-07	-0.00044	0.002273	other	0
ZNF629	Caudate	2.06E-08	4.55E-06	0.975974	other	0
ZNF641	Caudate	2.12E-07	-0.00056	7.55E-05	decreasing	0
ZNF644	Caudate	5.24E-09	-0.00078	1.59E-09	decreasing	0
ZNF646	Caudate	2.57E-08	0.000538	0.000142	other	0
ZNF668	Caudate	1.51E-08	0.000378	0.010817	other	0
ZNF672	Caudate	8.38E-08	0.000312	0.036138	other	0
ZNF680	Caudate	2.77E-08	-0.00075	1.11E-08	decreasing	0
ZNF682	Caudate	1.25E-08	-0.00073	2.16E-08	decreasing	0
ZNF687	Caudate	6.38E-07	0.000726	8.35E-08	increasing	0
ZNF691	Caudate	2.22E-07	0.000442	0.002647	other	0
ZNF696	Caudate	9.14E-09	0.000621	1.04E-05	increasing	1

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ZNF706	Caudate	4.52E-11	-0.00034	0.021384	other	0
ZNF709	Caudate	3.55E-08	-0.00062	3.95E-06	decreasing	0
ZNF710	Caudate	3.60E-09	0.000297	0.047961	other	0
ZNF711	Caudate	2.28E-08	-0.00073	3.04E-08	decreasing	0
ZNF721	Caudate	2.26E-10	-0.00072	6.89E-08	decreasing	0
ZNF74	Caudate	1.19E-08	0.000184	0.212765	other	0
ZNF740	Caudate	2.16E-10	0.000206	0.162823	other	0
ZNF746	Caudate	3.01E-10	0.000583	4.29E-05	increasing	0
ZNF76	Caudate	3.92E-08	0.000476	0.001187	other	0
ZNF771	Caudate	2.49E-09	0.000462	0.001646	other	0
ZNF775	Caudate	2.01E-10	0.000643	4.28E-06	increasing	0
ZNF787	Caudate	1.66E-10	0.000521	0.000329	other	0
ZNF79	Caudate	1.71E-07	0.000684	7.42E-07	increasing	0
ZNF800	Caudate	1.35E-09	-0.00026	0.074338	other	0
ZNF804B	Caudate	3.07E-14	-0.00081	3.41E-10	decreasing	0
ZNF821	Caudate	1.13E-08	0.000115	0.442449	other	0
ZNF835	Caudate	5.07E-08	0.000507	0.000394	other	0
ZNF853	Caudate	3.04E-11	0.000252	0.09201	other	0
ZNF883	Caudate	3.68E-10	-0.00079	5.55E-10	decreasing	0
ZNF888	Caudate	2.55E-07	-0.00033	0.023208	other	0
ZNHIT1	Caudate	3.62E-08	0.000355	0.017715	other	0
ZNHIT2	Caudate	8.18E-10	0.000221	0.139168	other	0
ZPLD1	Caudate	5.75E-09	-0.00073	2.95E-08	decreasing	0
ZSCAN25	Caudate	1.49E-07	0.000296	0.048143	other	0
ZSWIM6	Caudate	1.50E-15	-0.00082	1.76E-10	decreasing	0
ZSWIM8	Caudate	5.71E-11	0.000649	2.97E-06	increasing	0
ZXDC	Caudate	6.47E-08	0.000439	0.002245	other	0
ZYG11B	Caudate	3.70E-09	-0.00072	7.86E-08	decreasing	0
ZYX	Caudate	5.24E-09	0.000622	7.91E-06	increasing	0
ALAS2	Fibroblast	3.19E-08	0.000355	0.005256	other	0
ARID3A	Fibroblast	9.27E-09	-0.00026	0.083927	other	0
C6H19orf52	Fibroblast	1.68E-07	0.000217	0.15343	other	0
CDH10	Fibroblast	1.08E-07	-0.00049	0.000505	other	0
CDK19	Fibroblast	3.68E-09	-0.00022	0.136052	other	0
CPNE3	Fibroblast	6.72E-08	-5.81E-05	0.697382	other	0
EBF3	Fibroblast	1.47E-09	-0.00059	2.58E-05	decreasing	0
ELAC1	Fibroblast	1.85E-07	0.000219	0.143263	other	0
FAM173A	Fibroblast	2.72E-08	0.000351	0.019149	other	0
FER	Fibroblast	1.90E-07	-0.00024	0.101076	other	0
GPC6	Fibroblast	2.22E-07	-0.00049	0.000773	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
KRT10	Fibroblast	2.44E-07	0.000304	0.042895	other	0
LOC103214331	Fibroblast	3.90E-08	-0.0002	0.186877	other	0
LOC103214661	Fibroblast	1.51E-08	-5.01E-05	0.744469	other	0
LOC103214700	Fibroblast	2.48E-08	-4.68E-05	0.722357	other	0
LOC103218257	Fibroblast	1.47E-07	-0.00031	0.04008	other	0
LOC103220999	Fibroblast	3.37E-08	0.000164	0.180218	other	0
LOC103221358	Fibroblast	1.47E-07	-0.00016	0.234354	other	0
LOC103221731	Fibroblast	1.69E-07	-3.61E-05	0.81165	other	0
LOC103222287	Fibroblast	1.93E-08	0.000441	0.002225	other	0
LOC103222891	Fibroblast	1.45E-07	-0.00025	0.09634	other	0
LOC103224472	Fibroblast	2.23E-08	-0.00019	0.203822	other	0
LOC103224638	Fibroblast	1.86E-07	-0.00023	0.135438	other	0
LOC103225092	Fibroblast	2.36E-07	4.05E-05	0.790973	other	0
LOC103225256	Fibroblast	1.03E-07	5.39E-05	0.723859	other	0
LOC103225416	Fibroblast	1.18E-07	-0.00012	0.448523	other	0
LOC103225891	Fibroblast	6.03E-08	-4.17E-06	0.978324	other	0
LOC103226410	Fibroblast	3.36E-08	0.000166	0.278539	other	0
LOC103227129	Fibroblast	5.68E-08	-5.58E-05	0.713055	other	0
LOC103227227	Fibroblast	4.17E-08	-0.00011	0.480189	other	0
LOC103227336	Fibroblast	7.84E-08	-0.00035	0.018757	other	0
LOC103229008	Fibroblast	7.17E-08	-0.00026	0.083738	other	0
LOC103230997	Fibroblast	2.53E-07	-0.00012	0.420695	other	0
LOC103231822	Fibroblast	6.15E-08	-0.00035	0.018266	other	0
LOC103231835	Fibroblast	7.84E-09	-0.00036	0.015657	other	0
LOC103231865	Fibroblast	1.03E-07	6.93E-05	0.600669	other	0
LOC103232066	Fibroblast	1.07E-07	-0.00011	0.466253	other	0
LOC103232079	Fibroblast	9.82E-08	-7.35E-05	0.632111	other	0
LOC103232122	Fibroblast	6.10E-09	-0.00027	0.074128	other	0
LOC103232333	Fibroblast	1.09E-07	-0.00022	0.156932	other	0
LOC103232529	Fibroblast	1.91E-07	-9.15E-05	0.550591	other	0
LOC103232530	Fibroblast	1.63E-07	-8.41E-05	0.573586	other	0
LOC103232946	Fibroblast	2.08E-07	-0.00015	0.328686	other	0
LOC103232961	Fibroblast	1.38E-07	-0.00023	0.136092	other	0
LOC103234293	Fibroblast	8.94E-08	-0.00022	0.145375	other	0
LOC103234898	Fibroblast	1.50E-07	-0.0004	0.00664	other	0
LOC103236406	Fibroblast	2.52E-08	-0.00016	0.286022	other	0
LOC103236458	Fibroblast	1.94E-07	-0.00015	0.332044	other	0
LOC103236696	Fibroblast	1.82E-07	-0.00016	0.304473	other	0
LOC103237688	Fibroblast	1.62E-08	-0.00029	0.053866	other	0
LOC103238094	Fibroblast	2.26E-07	-8.34E-05	0.58654	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103238464	Fibroblast	1.85E-09	1.17E-06	0.993617	other	0
LOC103239503	Fibroblast	3.96E-08	-6.94E-05	0.643512	other	0
LOC103239517	Fibroblast	2.14E-07	-0.00014	0.34388	other	0
LOC103240032	Fibroblast	1.23E-07	0.000151	0.278815	other	0
LOC103240114	Fibroblast	6.60E-08	-0.00012	0.410395	other	0
LOC103240394	Fibroblast	1.34E-07	0.000104	0.477606	other	0
LOC103241006	Fibroblast	1.24E-07	-6.68E-05	0.65288	other	0
LOC103241328	Fibroblast	2.14E-08	-7.96E-05	0.594518	other	0
LOC103241507	Fibroblast	2.13E-08	-0.00022	0.146026	other	0
LOC103241784	Fibroblast	2.59E-08	-0.00016	0.305373	other	0
LOC103242353	Fibroblast	6.45E-09	0.000179	0.237463	other	0
LOC103243126	Fibroblast	4.13E-08	-0.0001	0.499007	other	0
LOC103244321	Fibroblast	1.86E-07	-0.00017	0.276751	other	0
LOC103247904	Fibroblast	5.97E-10	-7.86E-05	0.520463	other	0
LOC103248166	Fibroblast	6.52E-08	-0.00011	0.467286	other	0
LOC103249061	Fibroblast	1.81E-07	-0.0002	0.18101	other	0
MAP2K2	Fibroblast	1.54E-07	0.000293	0.049596	other	0
MYPOP	Fibroblast	7.41E-09	-0.00017	0.239244	other	0
PXDN	Fibroblast	1.03E-07	-0.00068	9.29E-07	decreasing	0
REPS2	Fibroblast	1.49E-09	-0.00044	0.002237	other	0
S100A9	Fibroblast	1.22E-08	-0.00022	0.036347	other	0
SLC25A28	Fibroblast	7.89E-08	0.00035	0.019567	other	0
STUB1	Fibroblast	1.68E-07	0.000473	0.001208	other	0
TRHDE	Fibroblast	8.93E-08	-0.00048	0.000752	other	0
ZNF280B	Fibroblast	6.12E-08	-0.00059	2.47E-05	decreasing	0
AASS	Hippocampus	1.02E-07	-0.00028	0.06595	other	0
ABCA8	Hippocampus	5.49E-10	0.000697	3.17E-07	increasing	0
ACOT11	Hippocampus	4.85E-08	0.000565	7.19E-05	increasing	0
ACSM5	Hippocampus	1.74E-07	0.000609	1.46E-05	increasing	0
ADAMTS18	Hippocampus	1.72E-11	-0.00076	1.29E-08	decreasing	0
ADIPOR2	Hippocampus	3.95E-08	0.000532	0.000211	other	0
AIDA	Hippocampus	1.23E-07	-0.00049	0.000771	other	0
ALDH1A3	Hippocampus	5.52E-07	0.000745	2.41E-08	increasing	0
ALPL	Hippocampus	7.21E-08	-0.00061	1.59E-05	decreasing	0
AMER1	Hippocampus	1.24E-07	-0.00046	0.001752	other	0
AMER2	Hippocampus	1.53E-07	0.000653	2.44E-06	increasing	0
ANGEL1	Hippocampus	8.78E-09	0.000632	5.84E-06	increasing	0
ANKRD13C	Hippocampus	1.67E-08	0.000118	0.435334	other	0
ANKRD50	Hippocampus	3.81E-09	-0.00064	4.39E-06	decreasing	0
APC	Hippocampus	2.82E-08	-0.0007	2.32E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ARHGEF37	Hippocampus	8.28E-08	0.00065	2.73E-06	increasing	1
ARHGEF38	Hippocampus	2.14E-08	0.00076	9.84E-09	increasing	0
ARL4C	Hippocampus	8.94E-08	-0.00045	0.002089	other	0
ASIC2	Hippocampus	5.06E-08	-0.00061	1.51E-05	decreasing	0
ASPM	Hippocampus	4.99E-08	-0.00055	0.00012	other	0
ATF7IP	Hippocampus	1.29E-07	-0.00042	0.004621	other	0
ATG4C	Hippocampus	3.99E-08	0.000635	5.10E-06	increasing	0
ATPAF1	Hippocampus	1.39E-08	0.000649	2.87E-06	increasing	0
B3GNT7	Hippocampus	8.86E-08	-0.00057	6.14E-05	decreasing	0
BAMBI	Hippocampus	4.59E-10	-0.00063	6.34E-06	decreasing	0
BBX	Hippocampus	2.23E-08	0.000727	6.76E-08	increasing	0
BCAN	Hippocampus	2.28E-08	-0.00061	1.40E-05	decreasing	0
BHLHE41	Hippocampus	1.31E-08	0.000668	1.24E-06	increasing	0
BZW2	Hippocampus	1.35E-07	-0.00045	0.00226	other	0
C1QTNF1	Hippocampus	8.61E-10	-0.00065	3.25E-06	decreasing	0
C9H10orf11	Hippocampus	5.12E-07	0.000719	9.92E-08	increasing	0
CALCOCO2	Hippocampus	9.04E-09	0.000685	5.62E-07	increasing	0
CAMKK1	Hippocampus	6.45E-09	0.000573	5.42E-05	increasing	0
CBX7	Hippocampus	7.38E-09	0.000618	1.01E-05	increasing	0
CENPE	Hippocampus	1.77E-07	-0.00014	0.366224	other	0
CEP170	Hippocampus	9.12E-09	-0.00036	0.01438	other	0
CETP	Hippocampus	1.13E-12	-0.00082	1.67E-10	decreasing	0
CHL1	Hippocampus	2.61E-07	-0.00018	0.229705	other	0
CLDN11	Hippocampus	1.91E-07	-0.00048	0.000864	other	0
CLDND1	Hippocampus	1.83E-10	0.000816	2.41E-10	increasing	0
CLIP4	Hippocampus	5.68E-07	0.000708	1.81E-07	increasing	0
CNDP1	Hippocampus	4.35E-12	0.000778	3.26E-09	increasing	0
COL15A1	Hippocampus	9.30E-10	-0.00077	4.29E-09	decreasing	1
COL4A1	Hippocampus	3.47E-10	-0.00073	6.97E-08	decreasing	0
COL8A1	Hippocampus	3.60E-06	0.00072	9.71E-08	increasing	0
CPB1	Hippocampus	1.69E-20	0.000894	2.50E-13	increasing	0
CREBRF	Hippocampus	1.15E-14	0.000857	9.04E-12	increasing	0
CRISPLD1	Hippocampus	1.85E-09	-0.00063	7.46E-06	decreasing	0
CRYBG3	Hippocampus	6.34E-09	0.000714	1.35E-07	increasing	0
CTNNA3	Hippocampus	3.27E-08	0.00068	7.06E-07	increasing	0
CWF19L2	Hippocampus	3.44E-09	0.000752	1.58E-08	increasing	0
CX3CL1	Hippocampus	7.69E-06	-0.00073	6.28E-08	decreasing	0
CXADR	Hippocampus	4.86E-10	-0.00073	5.67E-08	decreasing	0
DAB2	Hippocampus	8.41E-08	-0.0005	0.000478	other	0
DAG1	Hippocampus	6.24E-09	-0.00072	7.66E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DCX	Hippocampus	1.06E-10	-0.0007	2.71E-07	decreasing	0
DLGAP5	Hippocampus	3.03E-08	-0.00058	2.44E-05	decreasing	0
DMRTA2	Hippocampus	2.51E-07	-0.00058	4.54E-05	decreasing	0
DNAJB5	Hippocampus	1.12E-10	-0.00078	3.15E-09	decreasing	0
DNER	Hippocampus	7.67E-08	-0.00067	1.20E-06	decreasing	0
DOCK5	Hippocampus	3.88E-13	0.000834	6.05E-11	increasing	0
DPYSL3	Hippocampus	1.76E-15	-0.00087	2.47E-12	decreasing	0
DRAXIN	Hippocampus	1.17E-09	-0.0005	0.000541	other	0
EBF4	Hippocampus	4.20E-08	-0.00054	0.00018	other	0
EDIL3	Hippocampus	2.47E-07	0.000598	2.16E-05	increasing	0
EGFR	Hippocampus	1.91E-07	-0.00062	1.01E-05	decreasing	0
EMCN	Hippocampus	5.03E-09	-0.00055	0.000115	other	0
ENO4	Hippocampus	1.26E-07	0.00052	0.000305	other	0
ENOX1	Hippocampus	6.26E-09	-0.00066	1.61E-06	decreasing	0
ENPP6	Hippocampus	9.77E-08	-0.00054	0.000149	other	0
ERGIC1	Hippocampus	4.12E-08	-0.00063	5.78E-06	decreasing	0
ETS1	Hippocampus	9.95E-09	-0.00064	3.58E-06	decreasing	0
EVI2A	Hippocampus	1.79E-08	0.000604	1.75E-05	increasing	0
EZH1	Hippocampus	1.61E-10	0.000739	3.44E-08	increasing	0
FABP7	Hippocampus	1.04E-07	-0.0005	0.000524	other	0
FAM110B	Hippocampus	6.56E-08	-0.00062	1.02E-05	decreasing	0
FAM188A	Hippocampus	1.15E-07	0.000638	4.47E-06	increasing	0
FAM81A	Hippocampus	1.53E-08	-0.00038	0.00989	other	0
FBXL13	Hippocampus	1.17E-06	0.000746	2.31E-08	increasing	0
FERD3L	Hippocampus	3.19E-13	0.000813	6.35E-11	increasing	0
FGF1	Hippocampus	4.35E-08	0.000712	1.48E-07	increasing	0
FRMD3	Hippocampus	2.10E-08	-0.0006	2.00E-05	decreasing	1
FXYD1	Hippocampus	6.93E-08	0.000369	0.012817	other	0
FYN	Hippocampus	9.82E-11	-0.00076	1.03E-08	decreasing	0
GALNTL6	Hippocampus	7.59E-12	-0.00081	5.22E-10	decreasing	0
GAP43	Hippocampus	1.75E-07	-0.00059	2.96E-05	decreasing	0
GPC2	Hippocampus	2.53E-07	-0.00061	1.48E-05	decreasing	0
GPC5	Hippocampus	6.90E-10	0.000671	1.07E-06	increasing	1
GPNMB	Hippocampus	8.77E-09	0.00066	1.80E-06	increasing	0
GPR143	Hippocampus	9.85E-06	0.000739	2.75E-08	increasing	0
GPR17	Hippocampus	7.60E-13	-0.00076	1.16E-08	decreasing	0
GPRASP1	Hippocampus	1.41E-07	0.000393	0.007802	other	0
GPRC5B	Hippocampus	4.06E-08	0.00057	6.11E-05	increasing	0
GUCY1A3	Hippocampus	1.14E-07	0.000586	3.43E-05	increasing	0
HAPLN1	Hippocampus	3.44E-11	-0.00068	6.88E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HAPLN2	Hippocampus	1.82E-09	0.000649	2.86E-06	increasing	0
HERPUD2	Hippocampus	3.81E-05	0.000708	1.81E-07	increasing	0
HIPK3	Hippocampus	8.49E-08	0.00071	1.58E-07	increasing	0
HSF2	Hippocampus	7.84E-08	1.88E-05	0.901619	other	0
HSPA1A	Hippocampus	2.22E-07	0.000571	5.71E-05	increasing	0
IFI44L	Hippocampus	1.80E-08	-0.00051	0.00043	other	0
IGF2BP2	Hippocampus	1.88E-12	-0.0008	9.96E-10	decreasing	0
IGFBPL1	Hippocampus	5.21E-09	-0.00057	6.49E-05	decreasing	0
IGSF11	Hippocampus	6.99E-08	0.000547	0.000129	other	0
IGSF9	Hippocampus	3.56E-09	-0.00064	4.45E-06	decreasing	0
INF2	Hippocampus	8.17E-08	8.85E-05	0.560793	other	0
ITGA1	Hippocampus	1.81E-08	-0.00052	0.000318	other	0
JADE2	Hippocampus	4.00E-11	0.000755	1.35E-08	increasing	0
JARID2	Hippocampus	5.93E-07	-0.00071	1.33E-07	decreasing	0
KCNA6	Hippocampus	1.99E-07	-0.00073	4.27E-08	decreasing	0
KCNJ2	Hippocampus	1.67E-08	0.000647	3.11E-06	increasing	0
KIZ	Hippocampus	2.10E-07	0.000479	0.000977	other	0
KLF12	Hippocampus	4.88E-08	-0.00073	5.27E-08	decreasing	0
KLK6	Hippocampus	1.09E-07	0.000656	2.14E-06	increasing	0
LAMA2	Hippocampus	1.32E-07	-0.00052	0.000285	other	0
LAMA4	Hippocampus	9.29E-08	-0.00053	0.000247	other	0
LAMC1	Hippocampus	1.76E-11	-0.00076	7.37E-09	decreasing	0
LGALSL	Hippocampus	3.41E-08	-0.00041	0.005281	other	0
LHFPL3	Hippocampus	3.64E-08	-0.00053	0.000212	other	0
LIMA1	Hippocampus	1.30E-07	-0.00056	9.72E-05	decreasing	0
LOC103216135	Hippocampus	8.34E-08	0.000645	3.44E-06	increasing	0
LOC103217882	Hippocampus	1.67E-08	0.000605	1.69E-05	increasing	0
LOC103218181	Hippocampus	2.50E-07	-0.00041	0.005911	other	0
LOC103219120	Hippocampus	1.60E-09	-0.00066	1.62E-06	decreasing	0
LOC103221933	Hippocampus	7.26E-11	-0.00069	3.26E-07	decreasing	0
LOC103221935	Hippocampus	7.68E-10	-0.00071	1.49E-07	decreasing	0
LOC103221936	Hippocampus	5.25E-08	-0.00054	0.000188	other	0
LOC103221937	Hippocampus	9.30E-08	-0.00053	0.000205	other	0
LOC103221943	Hippocampus	2.28E-10	-0.0007	1.88E-07	decreasing	0
LOC103221944	Hippocampus	1.26E-17	-0.00085	1.16E-11	decreasing	0
LOC103221945	Hippocampus	2.19E-09	-0.00065	2.72E-06	decreasing	0
LOC103221970	Hippocampus	1.69E-08	-0.00066	2.10E-06	decreasing	0
LOC103221996	Hippocampus	1.42E-07	-0.00054	0.000179	other	0
LOC103222001	Hippocampus	1.35E-07	-0.00067	1.18E-06	decreasing	0
LOC103222003	Hippocampus	1.08E-08	-0.00065	2.25E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103222004	Hippocampus	2.38E-07	-0.00069	5.52E-07	decreasing	0
LOC103222006	Hippocampus	7.32E-11	-0.0007	2.63E-07	decreasing	0
LOC103222080	Hippocampus	4.53E-08	-0.00041	0.004938	other	0
LOC103222083	Hippocampus	9.93E-12	0.000782	2.59E-09	increasing	0
LOC103222369	Hippocampus	2.09E-08	-0.00047	0.001217	other	0
LOC103222373	Hippocampus	1.54E-07	-0.00064	3.84E-06	decreasing	0
LOC103222375	Hippocampus	6.37E-11	0.000784	1.77E-11	increasing	0
LOC103224456	Hippocampus	5.75E-11	0.000746	2.28E-08	increasing	0
LOC103226908	Hippocampus	6.58E-13	0.000818	2.10E-10	increasing	0
LOC103229779	Hippocampus	7.79E-08	0.000713	1.39E-07	increasing	0
LOC103230353	Hippocampus	2.90E-08	0.000641	3.99E-06	increasing	0
LOC103230650	Hippocampus	5.79E-08	-0.00052	0.000331	other	0
LOC103230800	Hippocampus	1.24E-07	-0.00053	0.000257	other	0
LOC103231153	Hippocampus	1.98E-08	-0.00061	1.46E-05	decreasing	0
LOC103231593	Hippocampus	5.25E-09	0.000739	3.44E-08	increasing	0
LOC103232525	Hippocampus	1.25E-08	0.000654	2.30E-06	increasing	0
LOC103232526	Hippocampus	7.55E-09	0.000674	9.56E-07	increasing	0
LOC103232983	Hippocampus	7.84E-08	-0.00037	0.012755	other	0
LOC103233496	Hippocampus	1.18E-08	-0.00052	0.000271	other	0
LOC103233517	Hippocampus	8.67E-07	0.000633	2.41E-07	increasing	0
LOC103234252	Hippocampus	8.16E-11	0.000759	1.03E-08	increasing	0
LOC103234282	Hippocampus	3.96E-11	0.000692	2.63E-07	increasing	0
LOC103234347	Hippocampus	1.29E-07	-0.00062	1.01E-05	decreasing	0
LOC103235597	Hippocampus	5.51E-09	-0.00055	0.000106	other	0
LOC103236607	Hippocampus	8.18E-09	-0.00073	5.26E-08	decreasing	0
LOC103236784	Hippocampus	1.38E-07	0.000567	6.75E-05	increasing	0
LOC103237777	Hippocampus	3.26E-07	0.000758	1.09E-08	increasing	0
LOC103237807	Hippocampus	2.06E-08	0.000668	1.22E-06	increasing	0
LOC103239962	Hippocampus	4.22E-11	0.000741	1.86E-08	increasing	0
LOC103240459	Hippocampus	4.66E-06	0.000707	3.13E-09	increasing	0
LOC103241513	Hippocampus	5.23E-06	0.000619	1.26E-07	increasing	0
LOC103243139	Hippocampus	6.56E-09	0.000646	3.20E-06	increasing	0
LONP2	Hippocampus	7.30E-08	0.000636	5.03E-06	increasing	0
LPCAT1	Hippocampus	1.28E-09	-0.00077	4.38E-09	decreasing	0
LRRK2	Hippocampus	2.80E-09	0.00074	3.16E-08	increasing	0
LTBP1	Hippocampus	4.99E-11	-0.00076	1.10E-08	decreasing	0
LY86	Hippocampus	2.22E-07	0.000572	5.57E-05	increasing	0
MARVELD1	Hippocampus	3.68E-09	-0.00067	1.37E-06	decreasing	0
MATN3	Hippocampus	1.37E-08	-0.00063	5.63E-06	decreasing	0
MAZ	Hippocampus	3.27E-08	-0.00075	1.80E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MBL2	Hippocampus	8.29E-07	0.000638	6.83E-08	increasing	0
MBNL2	Hippocampus	2.22E-09	0.000736	4.05E-08	increasing	0
MEX3A	Hippocampus	2.38E-10	-0.00062	7.95E-06	decreasing	0
MEX3B	Hippocampus	1.18E-09	-0.0007	2.09E-07	decreasing	0
MID1IP1	Hippocampus	2.62E-08	0.000673	9.89E-07	increasing	0
MKI67	Hippocampus	2.90E-08	-0.00055	0.000106	other	0
MKRN3	Hippocampus	8.80E-13	-0.00063	5.22E-06	decreasing	0
MPZL2	Hippocampus	9.19E-08	0.000655	2.19E-06	increasing	0
MRC2	Hippocampus	1.51E-07	-0.00072	7.55E-08	decreasing	0
MYC	Hippocampus	3.22E-09	-0.00063	5.92E-06	decreasing	0
MYO16	Hippocampus	2.22E-09	-0.00068	5.86E-07	decreasing	0
NAPEPLD	Hippocampus	1.34E-10	0.000697	3.10E-07	increasing	0
NASP	Hippocampus	9.45E-09	-0.00056	8.84E-05	decreasing	0
NAV1	Hippocampus	1.26E-07	-0.00069	4.42E-07	decreasing	0
NCAPG	Hippocampus	1.91E-07	-0.00049	0.000764	other	0
NCKIPSD	Hippocampus	1.69E-08	0.000457	0.00175	other	0
NCS1	Hippocampus	2.61E-07	0.000518	0.000324	other	0
NDC80	Hippocampus	7.59E-09	-0.00056	4.60E-05	decreasing	0
NDRG1	Hippocampus	7.70E-10	0.000665	1.42E-06	increasing	0
NDRG2	Hippocampus	2.53E-07	0.000505	0.000475	other	0
NETO2	Hippocampus	2.17E-09	-0.00066	1.59E-06	decreasing	0
NFATC3	Hippocampus	5.82E-09	0.000674	9.47E-07	increasing	0
NID1	Hippocampus	1.34E-08	-0.00063	5.57E-06	decreasing	0
NID2	Hippocampus	7.49E-09	-0.00046	0.001514	other	0
NKIRAS2	Hippocampus	4.91E-08	-0.00071	1.38E-07	decreasing	0
NQO1	Hippocampus	2.49E-12	0.000848	2.01E-11	increasing	0
NRAS	Hippocampus	8.02E-08	-0.00043	0.003334	other	0
NREP	Hippocampus	9.57E-08	-0.00068	7.63E-07	decreasing	0
NRXN1	Hippocampus	9.60E-09	-0.00044	0.002442	other	0
NT5DC2	Hippocampus	1.07E-08	-0.00019	0.208959	other	0
NTS	Hippocampus	1.42E-07	-0.00013	0.374183	other	0
NTSR2	Hippocampus	6.48E-11	0.000748	2.08E-08	increasing	0
NWD2	Hippocampus	9.50E-09	-0.00073	5.79E-08	decreasing	0
OTOG	Hippocampus	1.84E-05	0.000721	9.01E-08	increasing	0
PAMR1	Hippocampus	8.79E-08	0.000577	4.68E-05	increasing	0
PCDH15	Hippocampus	3.27E-12	-0.00079	1.34E-09	decreasing	0
PCGF5	Hippocampus	1.13E-08	0.000674	9.48E-07	increasing	0
PDE8A	Hippocampus	2.47E-08	0.000646	3.28E-06	increasing	0
PDGFRA	Hippocampus	3.03E-09	-0.00064	3.85E-06	decreasing	0
PFKP	Hippocampus	5.17E-11	0.000731	5.29E-08	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PIP4K2A	Hippocampus	1.60E-07	0.000659	1.84E-06	increasing	0
PIR	Hippocampus	9.48E-08	0.000634	5.30E-06	increasing	0
PKP1	Hippocampus	3.38E-08	-0.00076	1.15E-08	decreasing	0
PLEKHB1	Hippocampus	1.87E-09	0.000679	7.38E-07	increasing	0
PMP22	Hippocampus	4.47E-10	0.000731	5.41E-08	increasing	0
PNRC1	Hippocampus	1.47E-10	0.000759	1.08E-08	increasing	0
PPL	Hippocampus	5.47E-09	0.00072	9.42E-08	increasing	0
PTK7	Hippocampus	5.88E-08	-0.00056	7.46E-05	decreasing	0
PTN	Hippocampus	4.48E-09	-0.00065	2.63E-06	decreasing	0
PTPRO	Hippocampus	9.62E-08	-0.00047	0.001213	other	0
PTX3	Hippocampus	9.93E-08	-0.00066	2.18E-06	decreasing	0
PXK	Hippocampus	2.12E-08	0.000681	6.76E-07	increasing	0
RAB7B	Hippocampus	1.59E-11	-0.0007	2.18E-07	decreasing	0
RASEF	Hippocampus	1.06E-07	0.000661	1.71E-06	increasing	0
RASGRF2	Hippocampus	2.12E-07	0.000424	0.003889	other	0
RASSF10	Hippocampus	1.86E-07	-0.00054	0.000156	other	0
RBP1	Hippocampus	6.40E-08	-0.00061	1.37E-05	decreasing	0
RHOQ	Hippocampus	6.45E-07	0.000758	1.11E-08	increasing	0
RIF1	Hippocampus	7.88E-11	0.000794	1.14E-09	increasing	0
RNF152	Hippocampus	1.82E-07	-0.00066	1.78E-06	decreasing	0
RPE65	Hippocampus	1.67E-09	0.00064	4.21E-06	increasing	0
RPRM	Hippocampus	1.27E-07	-0.00065	3.26E-06	decreasing	0
RRAS2	Hippocampus	6.76E-10	-0.00058	4.24E-05	decreasing	0
SCRG1	Hippocampus	1.59E-07	-0.00053	0.000196	other	0
SEL1L3	Hippocampus	6.99E-08	-0.00057	5.17E-05	decreasing	0
SEMA3C	Hippocampus	6.12E-12	-0.00083	1.06E-10	decreasing	0
SH2D5	Hippocampus	6.72E-11	0.000665	1.40E-06	increasing	0
SH3RF3	Hippocampus	1.38E-08	-0.00075	1.91E-08	decreasing	0
SIRT2	Hippocampus	6.94E-08	-0.00046	0.001623	other	0
SLC16A1	Hippocampus	8.91E-08	-0.00039	0.00896	other	0
SLC16A14	Hippocampus	7.41E-08	-0.0004	0.006644	other	0
SLC17A2	Hippocampus	1.19E-10	0.000804	2.29E-10	increasing	0
SLC17A3	Hippocampus	7.36E-10	0.000817	1.69E-10	increasing	0
SLC26A11	Hippocampus	9.08E-08	0.000584	3.63E-05	increasing	0
SLC36A1	Hippocampus	8.61E-08	-0.00067	1.14E-06	decreasing	0
SLC38A1	Hippocampus	7.05E-08	-0.0005	0.000511	other	0
SLC4A11	Hippocampus	1.58E-08	0.000658	1.90E-06	increasing	0
SLC5A11	Hippocampus	5.60E-08	0.000564	7.28E-05	increasing	0
SLCO1A2	Hippocampus	5.35E-10	0.000728	6.19E-08	increasing	0
SNCAIP	Hippocampus	1.13E-09	-0.00067	1.29E-06	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SNED1	Hippocampus	2.56E-07	0.000335	0.024616	other	0
SOX11	Hippocampus	1.40E-08	-0.00049	0.000762	other	0
SOX4	Hippocampus	3.22E-16	-0.00086	8.29E-12	decreasing	0
SPOCK3	Hippocampus	1.01E-06	0.000713	1.40E-07	increasing	0
SPP1	Hippocampus	1.06E-09	0.000753	1.54E-08	increasing	0
SRD5A1	Hippocampus	9.66E-09	-0.00066	1.68E-06	decreasing	0
SSTR1	Hippocampus	2.14E-09	-0.00065	2.64E-06	decreasing	0
SULT1E1	Hippocampus	2.46E-07	-0.00045	0.001943	other	0
SVEP1	Hippocampus	1.98E-08	0.000615	1.15E-05	increasing	0
SYNE2	Hippocampus	6.06E-08	-0.00052	0.000319	other	0
TAGLN2	Hippocampus	1.20E-07	-0.00042	0.004141	other	0
TBX3	Hippocampus	1.56E-07	-0.00061	1.22E-05	decreasing	0
TCF4	Hippocampus	1.50E-07	-0.00062	9.01E-06	decreasing	0
TET3	Hippocampus	1.43E-08	-0.0007	3.08E-07	decreasing	0
THBS1	Hippocampus	2.64E-08	-0.00061	1.17E-05	decreasing	0
TMEM144	Hippocampus	2.44E-07	0.000611	1.35E-05	increasing	0
TMEM169	Hippocampus	4.30E-10	-0.00076	9.08E-09	decreasing	0
TMEM235	Hippocampus	1.31E-08	0.000606	1.63E-05	increasing	0
TNC	Hippocampus	4.13E-09	-0.00071	1.55E-07	decreasing	0
TNFAIP6	Hippocampus	4.80E-09	0.000715	1.27E-07	increasing	0
TNFSF13	Hippocampus	5.01E-08	0.000682	6.30E-07	increasing	0
TPD52L1	Hippocampus	3.74E-06	0.000733	4.72E-08	increasing	0
TRAF3	Hippocampus	3.32E-08	-0.00068	8.86E-07	decreasing	0
TRIB2	Hippocampus	3.67E-09	-0.00072	1.08E-07	decreasing	0
TRIO	Hippocampus	3.29E-08	-0.00072	1.01E-07	decreasing	0
TSPAN11	Hippocampus	9.49E-08	-0.00063	5.45E-06	decreasing	0
TSPAN2	Hippocampus	2.55E-09	-0.00054	0.000189	other	0
TUBB	Hippocampus	6.15E-11	-0.0007	3.02E-07	decreasing	0
UHRF1	Hippocampus	4.69E-08	-0.00037	0.011886	other	0
VAV2	Hippocampus	7.64E-08	-0.0006	2.42E-05	decreasing	0
YBX1	Hippocampus	2.68E-11	-0.00073	4.31E-08	decreasing	0
ZDHHC2	Hippocampus	1.74E-07	-0.00049	0.000811	other	0
ZDHHC20	Hippocampus	6.05E-10	0.000737	3.81E-08	increasing	0
ZNF483	Hippocampus	1.19E-12	0.000705	2.07E-07	increasing	0
AARD	Pituitary	2.16E-08	-0.00059	1.12E-05	decreasing	0
ABCA6	Pituitary	2.68E-10	-0.00038	0.007225	other	0
ABCA8	Pituitary	1.66E-07	-0.00038	0.008439	other	0
ACO1	Pituitary	2.72E-10	0.000714	4.99E-08	increasing	1
ADAM10	Pituitary	8.13E-08	-0.00019	0.193038	other	0
ADAM32	Pituitary	1.14E-08	0.000447	0.002044	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ADAMTS9	Pituitary	1.28E-08	-0.0007	2.06E-07	decreasing	0
ADD2	Pituitary	8.29E-07	0.000745	4.55E-09	increasing	0
ADSSL1	Pituitary	1.16E-07	0.000562	9.24E-05	increasing	0
AGAP3	Pituitary	3.38E-08	0.000494	0.000381	other	1
AGFG2	Pituitary	2.47E-08	0.00066	1.34E-06	increasing	0
ALAD	Pituitary	6.49E-08	0.000602	1.90E-05	increasing	0
AMICA1	Pituitary	7.07E-11	-0.00081	2.40E-10	decreasing	0
AMMECR1	Pituitary	8.61E-08	-0.00029	0.047845	other	0
ANGEL1	Pituitary	1.23E-11	0.00057	5.37E-05	increasing	0
ANKEF1	Pituitary	7.99E-08	0.000311	0.030649	other	0
ANKRD34C	Pituitary	1.75E-08	0.000678	2.24E-07	increasing	0
ANKS1B	Pituitary	5.80E-11	0.000597	2.61E-05	increasing	0
ANLN	Pituitary	5.19E-12	-0.0007	7.81E-08	decreasing	0
ANXA11	Pituitary	7.55E-08	0.000724	1.72E-08	increasing	1
ANXA5	Pituitary	4.91E-06	-0.00071	4.73E-08	decreasing	0
APBA2	Pituitary	1.33E-07	-0.00055	0.000144	other	0
ARFGAP1	Pituitary	1.02E-07	0.000396	0.006209	other	0
ARHGAP11A	Pituitary	2.07E-12	-0.00068	1.70E-07	decreasing	0
ARHGEF17	Pituitary	3.76E-08	0.000609	1.48E-05	increasing	0
ARPP21	Pituitary	5.46E-10	0.00031	0.031481	other	0
ARX	Pituitary	1.28E-11	0.00074	6.48E-09	increasing	0
ASAP3	Pituitary	9.52E-06	-0.00072	2.46E-08	decreasing	0
ASPM	Pituitary	8.98E-10	-0.00063	2.20E-06	decreasing	0
ATP6V0A1	Pituitary	2.00E-07	0.000607	6.51E-06	increasing	0
AUH	Pituitary	4.64E-08	0.000277	0.059605	other	0
AURKB	Pituitary	2.47E-09	-0.00065	2.06E-06	decreasing	0
B4GALNT1	Pituitary	1.26E-07	0.000566	6.26E-05	increasing	0
BAHD1	Pituitary	2.33E-10	0.000481	0.000736	other	0
BAI1	Pituitary	7.94E-08	0.000403	0.006436	other	0
BARD1	Pituitary	6.36E-09	-0.00062	9.99E-06	decreasing	0
BBIP1	Pituitary	7.78E-08	-0.00015	0.329145	other	0
BHMT2	Pituitary	4.78E-14	0.000789	1.39E-09	increasing	0
BIRC5	Pituitary	4.87E-11	-0.0007	7.82E-08	decreasing	0
BIVM	Pituitary	4.55E-08	-0.00058	4.15E-05	decreasing	0
BMF	Pituitary	7.78E-07	-0.0007	9.21E-08	decreasing	0
BMP6	Pituitary	4.77E-08	-0.00076	2.09E-09	decreasing	0
BUB1	Pituitary	1.05E-11	-0.00068	2.79E-07	decreasing	0
BUB1B	Pituitary	2.38E-12	-0.0007	1.40E-07	decreasing	0
C18H18orf8	Pituitary	2.79E-05	0.000678	2.33E-07	increasing	0
C1H11orf53	Pituitary	1.60E-11	-0.00083	1.17E-10	decreasing	0

Supplementary Table 9. Genes with a significant age effect from either ANOVA or linear regression. Beta is the regression coefficient, Pval is the p-value for the regression coefficient of expression on age (in days). Effect category is increasing if beta is positive and significant, decreasing if beta is negative and significant, and other if the ANOVA were significant rather than the linear regression. Local eQTL is 1 if the gene had a significant local eQTL

Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
C23H5orf15	Pituitary	3.55E-08	-0.00056	6.00E-05	decreasing	0
C26H15orf27	Pituitary	8.87E-08	0.000678	2.34E-07	increasing	0
C5H16orf87	Pituitary	7.59E-08	-0.00049	0.000836	other	0
CA10	Pituitary	3.12E-08	-0.00076	2.02E-09	decreasing	0
CACNA1C	Pituitary	3.02E-06	0.000708	7.25E-08	increasing	0
CACNG4	Pituitary	2.01E-07	-0.00063	3.98E-06	decreasing	0
CALCR	Pituitary	1.16E-08	0.000741	6.00E-09	increasing	0
CAMK1G	Pituitary	9.39E-11	-0.00061	1.86E-05	decreasing	0
CAMKV	Pituitary	7.64E-10	0.000648	1.03E-06	increasing	0
CAPN6	Pituitary	1.26E-07	-0.00066	2.50E-06	decreasing	0
CASC5	Pituitary	1.30E-07	-0.00056	4.70E-05	decreasing	0
CASK	Pituitary	3.70E-11	-0.00014	0.336776	other	0
CAT	Pituitary	4.69E-10	-0.00074	4.85E-08	decreasing	0
CBFB	Pituitary	1.39E-07	-0.00041	0.005438	other	0
CBX2	Pituitary	4.84E-08	-0.00073	9.72E-09	decreasing	0
CBX7	Pituitary	5.93E-10	0.000678	5.65E-07	increasing	0
CCNB2	Pituitary	2.69E-12	-0.00076	2.89E-09	decreasing	0
CDC25C	Pituitary	7.32E-10	-0.00058	2.87E-05	decreasing	0
CDC42SE2	Pituitary	1.12E-07	-0.00017	0.275365	other	0
CDC45	Pituitary	2.64E-09	-0.00068	1.76E-07	decreasing	1
CDC6	Pituitary	7.60E-12	-0.00061	9.20E-06	decreasing	0
CDCA2	Pituitary	4.54E-09	-0.00063	3.90E-06	decreasing	0
CDCA3	Pituitary	9.03E-08	-0.00058	3.26E-05	decreasing	0
CDCA5	Pituitary	1.47E-10	-0.00064	1.71E-06	decreasing	0
CDCA7L	Pituitary	3.65E-12	-0.00071	3.93E-08	decreasing	1
CDCA8	Pituitary	1.65E-12	-0.00074	1.34E-08	decreasing	0
CDH13	Pituitary	1.92E-08	-0.00079	3.04E-09	decreasing	0
CDH26	Pituitary	3.03E-10	0.000729	1.26E-08	increasing	0
CDH7	Pituitary	5.94E-08	-0.00056	4.44E-05	decreasing	0
CDK1	Pituitary	1.91E-12	-0.00064	3.48E-06	decreasing	0
CDK19	Pituitary	1.15E-07	-0.00024	0.091842	other	0
CDT1	Pituitary	5.45E-11	-0.00064	2.21E-06	decreasing	0
CEACAM16	Pituitary	8.15E-14	-0.00081	5.94E-11	decreasing	0
CELF6	Pituitary	2.55E-07	0.000551	5.79E-05	increasing	0
CENPA	Pituitary	3.80E-10	-0.0006	1.21E-05	decreasing	0
CENPF	Pituitary	1.27E-09	-0.00068	1.65E-07	decreasing	0
CENPM	Pituitary	6.52E-11	-0.00061	7.78E-06	decreasing	0
CENPT	Pituitary	5.60E-08	-0.00066	6.81E-07	decreasing	0
CENPU	Pituitary	2.84E-09	-0.00061	7.01E-06	decreasing	0
CENPW	Pituitary	1.85E-10	-0.00069	2.29E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
CEP55	Pituitary	6.06E-12	-0.00064	2.10E-06	decreasing	0
CHAF1B	Pituitary	7.59E-08	-0.00025	0.094812	other	0
CHL1	Pituitary	2.20E-07	0.000434	0.003312	other	0
CHPF2	Pituitary	2.96E-08	0.000381	0.009382	other	0
CHRNB1	Pituitary	2.24E-06	-0.00069	1.54E-07	decreasing	0
CKAP2	Pituitary	1.43E-09	-0.00068	2.58E-07	decreasing	0
CKS2	Pituitary	8.49E-08	-0.00064	2.29E-06	decreasing	0
CLDN1	Pituitary	4.61E-07	-0.00069	1.18E-07	decreasing	0
CLDN6	Pituitary	1.66E-07	-0.00058	1.63E-05	decreasing	0
CLIC4	Pituitary	1.26E-07	-0.00063	2.23E-06	decreasing	0
CLSPN	Pituitary	1.50E-08	-0.00058	2.50E-05	decreasing	0
CLTCL1	Pituitary	8.20E-08	0.000674	2.83E-07	increasing	0
CNOT2	Pituitary	2.16E-07	-0.0003	0.03881	other	0
COBL	Pituitary	9.80E-06	0.000686	1.48E-07	increasing	0
COL15A1	Pituitary	8.57E-06	-0.00068	2.14E-07	decreasing	0
COMMD2	Pituitary	1.01E-09	-0.00058	2.86E-05	decreasing	0
CPT1A	Pituitary	4.62E-09	-0.00064	1.43E-06	decreasing	0
CPXM1	Pituitary	4.44E-10	-0.00067	3.22E-07	decreasing	0
CRISPLD1	Pituitary	1.06E-07	-0.00054	0.00012	other	1
CST6	Pituitary	1.94E-07	0.000205	0.171864	other	0
CTDSPL2	Pituitary	5.32E-08	-6.58E-05	0.663123	other	0
CXCR4	Pituitary	1.86E-07	-0.00074	5.13E-08	decreasing	0
DAG1	Pituitary	9.40E-08	-0.00053	0.000138	other	0
DCBLD2	Pituitary	7.70E-08	-0.00059	1.35E-05	decreasing	0
DCTN1	Pituitary	1.27E-07	0.000595	1.06E-05	increasing	0
DDX24	Pituitary	1.59E-07	0.000528	0.000128	other	0
DDX27	Pituitary	7.21E-08	0.00032	0.030538	other	0
DDX6	Pituitary	1.66E-07	-2.32E-05	0.879538	other	1
DENND2D	Pituitary	5.00E-09	0.000668	3.84E-07	increasing	0
DENND3	Pituitary	1.29E-09	0.000705	8.30E-08	increasing	0
DENND5A	Pituitary	8.42E-08	-0.00061	6.31E-06	decreasing	0
DENND6A	Pituitary	4.48E-10	-0.00033	0.025838	other	0
DGKD	Pituitary	9.80E-08	0.000646	4.04E-06	increasing	0
DGKI	Pituitary	2.89E-08	0.000701	6.67E-08	increasing	0
DGKK	Pituitary	4.96E-12	-0.00078	5.47E-10	decreasing	0
DIAPH3	Pituitary	2.44E-10	-0.00066	1.56E-06	decreasing	0
DLGAP3	Pituitary	5.65E-08	0.000729	1.23E-08	increasing	0
DLGAP5	Pituitary	1.57E-13	-0.00072	1.66E-08	decreasing	0
DMGDH	Pituitary	6.17E-13	0.000831	9.29E-11	increasing	0
DNAJB13	Pituitary	7.13E-08	-0.00067	4.18E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
DOC2A	Pituitary	1.94E-08	0.000537	0.000197	other	0
DOCK3	Pituitary	2.37E-09	0.000525	0.000207	other	0
DOK6	Pituitary	5.00E-08	-0.00062	8.53E-06	decreasing	0
DSG2	Pituitary	2.83E-09	-0.00068	5.66E-07	decreasing	0
DTX4	Pituitary	3.63E-07	-0.00073	1.27E-08	decreasing	0
DUSP10	Pituitary	2.73E-13	-0.0007	4.17E-07	decreasing	0
E2F1	Pituitary	3.04E-12	-0.00069	2.36E-07	decreasing	0
E2F3	Pituitary	1.80E-08	-0.00013	0.385425	other	0
E2F8	Pituitary	8.94E-11	-0.00071	4.07E-08	decreasing	0
EBF4	Pituitary	7.84E-08	-0.00062	7.67E-06	decreasing	0
ELOVL2	Pituitary	3.60E-09	-0.0007	7.06E-08	decreasing	0
EME2	Pituitary	1.24E-07	0.000414	0.003411	other	0
EMP1	Pituitary	7.36E-10	-0.00074	6.78E-09	decreasing	0
ENPP2	Pituitary	2.38E-09	-0.00077	1.40E-09	decreasing	0
EPC1	Pituitary	7.92E-08	-0.00037	0.014335	other	0
EPDR1	Pituitary	5.31E-08	0.000313	0.029777	other	0
EPHA1	Pituitary	1.06E-07	0.000653	7.89E-07	increasing	0
ERGIC3	Pituitary	2.38E-07	-0.00055	5.99E-05	decreasing	0
ESPL1	Pituitary	8.82E-08	-0.00056	5.53E-05	decreasing	0
ESYT3	Pituitary	2.14E-09	0.000511	0.000225	other	0
EXO1	Pituitary	1.62E-11	-0.00056	5.53E-05	decreasing	0
EXOC2	Pituitary	1.79E-05	0.000696	8.67E-08	increasing	0
EZH1	Pituitary	2.53E-08	0.0002	0.180289	other	0
EZH2	Pituitary	8.99E-10	-0.00077	8.92E-09	decreasing	0
FADS2	Pituitary	1.99E-07	-0.00068	2.14E-07	decreasing	0
FAM107B	Pituitary	4.93E-09	-0.00078	3.59E-10	decreasing	0
FAM171A1	Pituitary	2.24E-07	-0.00025	0.08909	other	0
FAM49A	Pituitary	1.86E-07	-8.63E-05	0.571467	other	0
FAM64A	Pituitary	3.49E-09	-0.00057	4.34E-05	decreasing	0
FANCI	Pituitary	3.49E-08	-0.00052	0.000236	other	0
FBN2	Pituitary	3.29E-10	-0.00068	1.64E-07	decreasing	1
FBXL7	Pituitary	2.19E-14	-0.00086	3.25E-13	decreasing	0
FCHSD2	Pituitary	1.43E-09	0.000549	0.000133	other	0
FGF1	Pituitary	7.71E-08	0.000152	0.299614	other	0
FGF9	Pituitary	9.34E-08	-0.00047	0.00145	other	0
FILIP1	Pituitary	5.10E-08	9.96E-05	0.512384	other	0
FLRT3	Pituitary	9.49E-08	-0.00029	0.044883	other	0
FOXN2	Pituitary	1.25E-09	-0.0002	0.185594	other	0
FOXP1	Pituitary	6.05E-10	0.000186	0.216935	other	1
FRMD4A	Pituitary	2.66E-07	-0.00072	1.97E-08	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
FRRS1L	Pituitary	1.93E-07	0.000557	4.57E-05	increasing	0
FSTL1	Pituitary	1.94E-12	-0.00064	1.29E-06	decreasing	0
FUT8	Pituitary	8.11E-10	-0.00063	6.41E-06	decreasing	0
FUT9	Pituitary	2.77E-09	-0.00077	6.20E-10	decreasing	0
GABRD	Pituitary	5.96E-07	0.000761	1.09E-08	increasing	0
GAREML	Pituitary	5.17E-08	-0.00066	1.24E-06	decreasing	0
GBE1	Pituitary	8.28E-09	0.000652	2.72E-06	increasing	0
GBGT1	Pituitary	1.04E-09	0.000651	1.95E-06	increasing	0
GDPD1	Pituitary	7.59E-09	-0.00054	8.96E-05	decreasing	0
GFOD1	Pituitary	9.88E-06	0.00072	9.25E-08	increasing	0
GHR	Pituitary	5.18E-12	-0.00074	7.62E-09	decreasing	0
GML	Pituitary	1.58E-07	-0.00055	6.59E-05	decreasing	0
GNAL	Pituitary	1.04E-09	0.000736	8.32E-09	increasing	0
GOLGA2	Pituitary	3.83E-08	0.000472	0.00074	other	0
GPC3	Pituitary	9.32E-07	-0.00073	9.47E-09	decreasing	0
GPNMB	Pituitary	1.11E-07	0.000329	0.028274	other	0
GPR37	Pituitary	3.41E-08	-0.00064	1.82E-06	decreasing	0
GPR61	Pituitary	1.45E-10	0.000744	5.01E-09	increasing	0
GPR64	Pituitary	2.43E-07	-0.00068	1.70E-07	decreasing	0
GPRASP1	Pituitary	1.67E-07	0.000583	2.87E-05	increasing	0
GPSM2	Pituitary	1.31E-09	-0.00063	2.68E-06	decreasing	0
GPX7	Pituitary	8.63E-10	-0.0007	8.81E-08	decreasing	0
GRB7	Pituitary	1.29E-09	-0.00082	1.91E-10	decreasing	0
GRIN1	Pituitary	1.35E-07	0.00036	0.014831	other	0
GTDC1	Pituitary	1.77E-13	-0.00077	5.19E-09	decreasing	0
GTSE1	Pituitary	1.13E-08	-0.00035	0.018126	other	0
H3F3B	Pituitary	8.42E-07	-0.0007	2.06E-07	decreasing	0
HERC3	Pituitary	5.16E-08	0.000618	1.10E-05	increasing	0
HEY1	Pituitary	4.36E-06	-0.00069	1.04E-07	decreasing	1
HIF1AN	Pituitary	1.18E-07	0.000579	2.02E-05	increasing	0
HJURP	Pituitary	1.38E-11	-0.00079	1.40E-10	decreasing	0
HMGA2	Pituitary	1.02E-11	-0.00055	9.95E-05	decreasing	0
HMGB2	Pituitary	8.34E-10	-0.00071	5.42E-08	decreasing	0
HMMR	Pituitary	9.97E-10	-0.00064	2.60E-06	decreasing	0
HPGD	Pituitary	1.78E-08	0.000453	0.00146	other	0
HPSE2	Pituitary	1.40E-13	0.00084	1.12E-11	increasing	0
HS6ST3	Pituitary	2.86E-08	0.000774	6.30E-10	increasing	0
HSF4	Pituitary	7.76E-10	0.000579	1.97E-05	increasing	0
HSPA12A	Pituitary	1.31E-09	0.000709	2.13E-07	increasing	0
HSPA12B	Pituitary	2.07E-07	4.90E-05	0.748949	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
HTR2C	Pituitary	3.36E-09	-0.00067	2.83E-07	decreasing	0
ID2	Pituitary	3.96E-07	-0.00072	1.45E-07	decreasing	0
IDH2	Pituitary	3.87E-06	-0.0007	7.38E-08	decreasing	0
IGF2BP2	Pituitary	3.89E-19	-0.00074	1.89E-08	decreasing	0
IGF2BP3	Pituitary	8.72E-14	-0.00071	1.51E-07	decreasing	1
IGSF9	Pituitary	3.17E-08	-0.00073	1.35E-08	decreasing	0
IL12RB2	Pituitary	1.73E-10	0.000669	3.67E-07	increasing	0
IMPAD1	Pituitary	2.31E-07	0.000108	0.478114	other	0
INPP5B	Pituitary	8.39E-08	0.000625	8.67E-06	increasing	0
INSM2	Pituitary	3.80E-08	-0.00047	0.000706	other	0
IQGAP3	Pituitary	1.75E-14	-0.00069	1.25E-07	decreasing	0
IQSEC1	Pituitary	6.79E-06	0.000699	1.54E-07	increasing	0
IRAK1BP1	Pituitary	2.82E-09	-0.00033	0.025494	other	0
IVD	Pituitary	2.30E-07	0.00049	0.000784	other	0
JADE2	Pituitary	1.80E-10	0.000765	3.86E-09	increasing	0
KCNJ16	Pituitary	1.57E-08	-0.00058	1.88E-05	decreasing	0
KCNK4	Pituitary	4.04E-09	8.03E-05	0.597249	other	0
KCNMB2	Pituitary	2.27E-07	-0.00057	3.16E-05	decreasing	1
KCNMB4	Pituitary	7.91E-08	-0.00074	4.57E-08	decreasing	0
KIAA0101	Pituitary	1.49E-10	-0.00065	1.39E-06	decreasing	0
KIF11	Pituitary	3.68E-09	-0.00066	1.01E-06	decreasing	0
KIF14	Pituitary	1.33E-12	-0.00066	1.02E-06	decreasing	0
KIF15	Pituitary	7.87E-11	-0.00065	1.28E-06	decreasing	0
KIF18A	Pituitary	3.70E-09	-0.00065	1.69E-06	decreasing	0
KIF18B	Pituitary	1.01E-10	-0.00063	4.46E-06	decreasing	0
KIF20A	Pituitary	7.11E-12	-0.0007	5.52E-08	decreasing	0
KIF22	Pituitary	2.40E-07	-0.00032	0.030378	other	0
KIF23	Pituitary	4.40E-12	-0.00076	1.43E-09	decreasing	0
KIF24	Pituitary	2.47E-08	-0.00063	3.31E-06	decreasing	0
KIF4A	Pituitary	5.40E-08	-0.00049	0.000419	other	0
KIFC1	Pituitary	3.81E-12	-0.00073	1.32E-08	decreasing	0
KLF11	Pituitary	6.24E-09	-0.00072	7.62E-08	decreasing	0
KLF9	Pituitary	4.08E-07	-0.0007	2.24E-07	decreasing	0
KLHL35	Pituitary	3.38E-08	9.22E-06	0.949937	other	0
KNSTRN	Pituitary	5.95E-08	-0.00053	0.000227	other	0
KRT222	Pituitary	1.44E-08	0.000616	4.32E-06	increasing	0
L3MBTL4	Pituitary	3.11E-06	0.000691	1.16E-07	increasing	0
LAMP5	Pituitary	1.21E-07	0.000655	7.23E-07	increasing	0
LARGE	Pituitary	1.96E-07	0.000133	0.37348	other	0
LCTL	Pituitary	6.70E-09	0.000566	7.12E-05	increasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LEPRE1	Pituitary	1.89E-07	0.000109	0.473458	other	0
LHB	Pituitary	9.19E-09	0.000586	2.04E-05	increasing	0
LHX1	Pituitary	9.37E-11	0.000777	5.69E-10	increasing	0
LMNB1	Pituitary	1.54E-10	-0.00073	2.82E-08	decreasing	0
LOC103214618	Pituitary	1.50E-07	-8.53E-05	0.574564	other	0
LOC103214631	Pituitary	1.42E-11	-0.00076	2.09E-09	decreasing	0
LOC103214728	Pituitary	1.96E-07	-0.00019	0.201796	other	0
LOC103215200	Pituitary	3.20E-08	0.000771	2.09E-09	increasing	0
LOC103216175	Pituitary	1.78E-10	-0.00071	4.31E-08	decreasing	0
LOC103217048	Pituitary	1.98E-07	-0.00019	0.195206	other	0
LOC103217216	Pituitary	2.21E-07	-0.00068	4.96E-07	decreasing	0
LOC103217305	Pituitary	8.86E-09	0.000221	0.146041	other	0
LOC103218075	Pituitary	8.60E-11	0.000589	1.78E-05	increasing	0
LOC103218076	Pituitary	3.13E-10	0.000486	0.00048	other	0
LOC103218277	Pituitary	1.71E-07	0.000512	0.000367	other	0
LOC103218335	Pituitary	3.34E-11	0.000442	0.001678	other	0
LOC103218411	Pituitary	2.94E-16	-0.00086	2.83E-13	decreasing	0
LOC103218542	Pituitary	2.63E-08	0.000589	3.08E-05	increasing	0
LOC103219103	Pituitary	3.54E-08	8.92E-05	0.495257	other	0
LOC103219120	Pituitary	3.54E-10	-0.00068	7.66E-07	decreasing	0
LOC103219315	Pituitary	1.14E-07	-0.00018	0.238379	other	0
LOC103219354	Pituitary	3.44E-11	0.000795	1.26E-10	increasing	0
LOC103219428	Pituitary	2.13E-07	0.000403	0.005925	other	0
LOC103219460	Pituitary	1.28E-09	-0.00069	2.14E-07	decreasing	0
LOC103219462	Pituitary	5.11E-08	5.09E-05	0.73726	other	0
LOC103219590	Pituitary	1.77E-07	-0.00037	0.001841	other	0
LOC103219792	Pituitary	1.09E-06	0.000687	1.41E-07	increasing	0
LOC103219855	Pituitary	4.87E-08	-0.00074	5.39E-09	decreasing	0
LOC103219911	Pituitary	1.02E-07	0.000627	8.85E-06	increasing	0
LOC103219975	Pituitary	1.79E-07	-1.01E-05	0.945764	other	0
LOC103220165	Pituitary	3.31E-08	-2.11E-05	0.889454	other	0
LOC103220998	Pituitary	4.00E-08	-9.57E-05	0.531582	other	0
LOC103221024	Pituitary	1.05E-07	-0.0006	2.14E-05	decreasing	0
LOC103221138	Pituitary	4.79E-09	0.000604	1.55E-05	increasing	1
LOC103221174	Pituitary	7.60E-08	-9.88E-05	0.51972	other	0
LOC103221872	Pituitary	6.93E-08	-6.92E-05	0.651738	other	0
LOC103221955	Pituitary	1.78E-06	-0.00071	2.47E-07	decreasing	0
LOC103222369	Pituitary	3.34E-08	-0.00038	0.011209	other	0
LOC103222606	Pituitary	3.32E-08	0.000158	0.278407	other	0
LOC103222782	Pituitary	2.19E-07	-0.00055	8.81E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103222981	Pituitary	2.47E-09	0.000738	4.26E-08	increasing	0
LOC103222983	Pituitary	4.55E-09	0.000764	1.09E-08	increasing	0
LOC103223289	Pituitary	8.27E-08	-0.00067	1.77E-06	decreasing	0
LOC103223587	Pituitary	9.21E-08	-0.00073	5.96E-08	decreasing	0
LOC103224129	Pituitary	2.46E-07	-0.00055	7.53E-05	decreasing	0
LOC103224287	Pituitary	3.04E-08	0.000694	9.53E-08	increasing	0
LOC103224472	Pituitary	7.86E-08	9.61E-05	0.527648	other	0
LOC103225055	Pituitary	2.71E-08	-0.00014	0.345271	other	0
LOC103225142	Pituitary	9.18E-09	0.000201	0.180355	other	0
LOC103225340	Pituitary	6.65E-09	-0.00016	0.296274	other	0
LOC103225920	Pituitary	2.65E-08	0.000628	2.60E-06	increasing	0
LOC103225927	Pituitary	1.53E-08	0.000536	0.00021	other	0
LOC103226240	Pituitary	1.76E-09	-0.00069	1.32E-07	decreasing	1
LOC103226832	Pituitary	7.26E-08	-0.00019	0.19036	other	0
LOC103227289	Pituitary	1.28E-07	-0.00036	0.010676	other	0
LOC103227374	Pituitary	2.06E-09	-2.63E-05	0.860944	other	0
LOC103227574	Pituitary	6.38E-08	5.42E-05	0.722817	other	0
LOC103227729	Pituitary	1.88E-07	9.88E-05	0.518053	other	0
LOC103228401	Pituitary	3.93E-12	-0.00026	0.081612	other	0
LOC103228968	Pituitary	6.43E-09	-0.00055	5.62E-05	decreasing	0
LOC103229111	Pituitary	1.34E-07	-0.00051	0.000396	other	0
LOC103229159	Pituitary	7.55E-08	8.33E-05	0.587156	other	0
LOC103229280	Pituitary	8.16E-08	-0.00024	0.107457	other	0
LOC103229506	Pituitary	6.06E-08	-0.00041	0.00589	other	0
LOC103230251	Pituitary	6.26E-08	-0.00012	0.436205	other	0
LOC103230509	Pituitary	1.83E-07	0.000206	0.156064	other	0
LOC103231548	Pituitary	6.61E-15	-0.00081	4.56E-11	decreasing	0
LOC103231594	Pituitary	7.50E-09	-0.00076	1.34E-09	decreasing	0
LOC103231881	Pituitary	1.45E-07	-0.00028	0.06546	other	0
LOC103231992	Pituitary	4.28E-09	-0.00056	5.97E-05	decreasing	0
LOC103232002	Pituitary	1.18E-07	-0.00064	1.28E-06	decreasing	0
LOC103232225	Pituitary	4.77E-09	0.000542	7.95E-05	increasing	0
LOC103232226	Pituitary	2.34E-08	-0.0003	0.038708	other	0
LOC103232245	Pituitary	8.52E-08	-0.00031	0.035828	other	0
LOC103232333	Pituitary	1.47E-07	-9.65E-05	0.529292	other	0
LOC103232555	Pituitary	7.00E-08	0.000164	0.284849	other	0
LOC103232871	Pituitary	1.19E-07	2.79E-06	0.98538	other	0
LOC103232947	Pituitary	1.15E-07	-0.00019	0.197767	other	0
LOC103232983	Pituitary	2.34E-07	-0.00066	8.95E-07	decreasing	0
LOC103233707	Pituitary	6.64E-08	-0.0008	1.19E-09	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103234108	Pituitary	1.09E-07	0.000535	3.96E-08	increasing	0
LOC103234274	Pituitary	8.56E-11	-0.00068	1.63E-07	decreasing	0
LOC103234284	Pituitary	1.32E-07	-0.00069	3.88E-07	decreasing	0
LOC103235307	Pituitary	8.57E-07	-0.00074	1.99E-08	decreasing	0
LOC103235309	Pituitary	9.64E-08	-0.00059	1.46E-05	decreasing	0
LOC103235467	Pituitary	1.39E-07	0.000171	0.261698	other	0
LOC103236002	Pituitary	1.17E-07	-0.00028	0.057752	other	0
LOC103236199	Pituitary	9.03E-13	-0.0008	1.41E-10	decreasing	0
LOC103236243	Pituitary	3.37E-09	-0.00015	0.317606	other	0
LOC103236840	Pituitary	6.21E-08	0.000354	0.013291	other	0
LOC103236916	Pituitary	2.49E-07	0.00045	0.001552	other	0
LOC103237276	Pituitary	9.40E-08	0.000171	0.2624	other	0
LOC103237807	Pituitary	1.39E-07	0.000276	0.066719	other	1
LOC103238262	Pituitary	7.66E-07	-0.00069	2.40E-07	decreasing	1
LOC103238634	Pituitary	1.63E-07	-3.22E-05	0.826266	other	0
LOC103238842	Pituitary	8.91E-09	-7.52E-05	0.620709	other	0
LOC103238939	Pituitary	1.43E-07	-2.02E-05	0.893057	other	0
LOC103239026	Pituitary	2.43E-07	-0.00051	0.000473	other	0
LOC103239517	Pituitary	1.75E-07	7.52E-05	0.622125	other	0
LOC103239658	Pituitary	2.44E-09	0.00016	0.280692	other	0
LOC103239792	Pituitary	3.44E-09	4.13E-05	0.785355	other	0
LOC103239878	Pituitary	2.21E-09	-6.47E-05	0.670011	other	0
LOC103240211	Pituitary	1.21E-07	3.83E-05	0.803313	other	0
LOC103240224	Pituitary	1.63E-07	-0.0002	0.163017	other	0
LOC103240328	Pituitary	5.79E-08	-9.03E-05	0.551426	other	0
LOC103240641	Pituitary	1.77E-11	-0.00064	1.56E-06	decreasing	0
LOC103240855	Pituitary	2.52E-08	0.000142	0.331933	other	0
LOC103241031	Pituitary	3.81E-08	9.78E-05	0.522686	other	0
LOC103241174	Pituitary	3.20E-08	-0.00049	0.000392	other	0
LOC103241267	Pituitary	4.04E-08	0.000723	1.84E-08	increasing	0
LOC103241849	Pituitary	6.15E-08	-0.00057	2.94E-05	decreasing	0
LOC103241853	Pituitary	2.76E-08	0.00039	0.006704	other	0
LOC103241917	Pituitary	5.03E-08	4.72E-05	0.758372	other	0
LOC103242103	Pituitary	1.17E-09	0.000454	0.001522	other	0
LOC103242222	Pituitary	9.12E-08	-0.00051	0.000509	other	0
LOC103242242	Pituitary	1.84E-07	0.000699	7.38E-08	increasing	1
LOC103242515	Pituitary	1.52E-09	0.00069	5.09E-07	increasing	0
LOC103243079	Pituitary	4.22E-10	0.000743	2.37E-08	increasing	0
LOC103243406	Pituitary	4.49E-08	-0.00018	0.227996	other	0
LOC103243446	Pituitary	3.31E-08	-0.00071	1.46E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
LOC103243499	Pituitary	4.51E-08	0.000253	0.081332	other	0
LOC103243892	Pituitary	6.62E-08	-0.00075	2.50E-08	decreasing	0
LOC103243906	Pituitary	2.45E-08	-0.00018	0.212245	other	0
LOC103243977	Pituitary	1.22E-07	-0.00061	1.48E-05	decreasing	0
LOC103244172	Pituitary	8.41E-09	-8.62E-05	0.571624	other	0
LOC103244309	Pituitary	8.66E-09	-4.57E-05	0.764355	other	0
LOC103244593	Pituitary	2.60E-07	-0.00026	0.068328	other	0
LOC103244645	Pituitary	5.48E-10	0.000742	5.57E-09	increasing	0
LOC103244685	Pituitary	5.89E-08	0.000685	2.40E-07	increasing	0
LOC103244696	Pituitary	5.59E-10	0.000788	1.20E-09	increasing	0
LOC103245138	Pituitary	1.36E-12	0.000698	2.97E-07	increasing	0
LOC103245179	Pituitary	2.10E-07	0.000554	0.000114	other	1
LOC103245450	Pituitary	2.28E-08	5.80E-05	0.705125	other	0
LOC103245680	Pituitary	9.49E-08	-0.00027	0.071303	other	0
LOC103246064	Pituitary	7.73E-08	-0.00068	2.17E-07	decreasing	0
LOC103246132	Pituitary	6.84E-08	-5.32E-05	0.728237	other	0
LOC103246527	Pituitary	3.32E-08	-0.0002	0.170428	other	1
LOC103246578	Pituitary	1.33E-07	0.000607	1.13E-05	increasing	0
LOC103246876	Pituitary	8.57E-08	-0.00063	7.47E-06	decreasing	0
LOC103248222	Pituitary	7.68E-08	-4.11E-05	0.788388	other	0
LPAR4	Pituitary	7.98E-09	-0.00074	8.28E-09	decreasing	0
LPIN1	Pituitary	1.27E-07	0.000594	1.74E-05	increasing	0
LRAT	Pituitary	7.08E-08	0.000532	0.000242	other	0
LRRC10B	Pituitary	1.51E-07	0.000469	0.000807	other	0
LRRC48	Pituitary	1.37E-07	0.000225	0.132195	other	0
LRRC4C	Pituitary	4.34E-10	-0.00047	0.00096	other	0
LUZP2	Pituitary	7.34E-09	-0.00073	6.25E-08	decreasing	1
MAP1A	Pituitary	4.96E-06	0.000725	5.13E-08	increasing	0
MAP2K6	Pituitary	5.89E-10	-0.00062	3.75E-06	decreasing	0
MARCH1	Pituitary	1.84E-07	0.00078	2.83E-09	increasing	0
MARCKSL1	Pituitary	1.30E-07	-0.00075	2.79E-09	decreasing	0
MCM3	Pituitary	8.26E-08	-0.00055	6.60E-05	decreasing	0
MCM5	Pituitary	8.97E-08	-0.00056	5.37E-05	decreasing	0
MCTP2	Pituitary	8.07E-06	0.000696	8.59E-08	increasing	0
MEGF10	Pituitary	1.22E-07	0.0003	0.037269	other	0
MELK	Pituitary	1.29E-10	-0.00069	1.21E-07	decreasing	0
MFAP2	Pituitary	6.58E-11	-0.00079	1.99E-10	decreasing	0
MIS18BP1	Pituitary	3.41E-08	-0.00042	0.003531	other	0
MKI67	Pituitary	2.07E-10	-0.00068	3.55E-07	decreasing	0
MKRN3	Pituitary	6.84E-09	-0.00062	1.07E-05	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
MMP14	Pituitary	4.24E-06	-0.00071	4.10E-08	decreasing	0
MMP16	Pituitary	3.48E-08	-0.00054	8.44E-05	decreasing	0
MOXD1	Pituitary	1.63E-07	-0.00069	9.53E-08	decreasing	0
MPPED2	Pituitary	3.38E-10	-0.00078	2.56E-09	decreasing	0
MSI1	Pituitary	2.00E-06	-0.00072	2.07E-08	decreasing	0
MUC15	Pituitary	3.01E-11	-0.00073	2.24E-08	decreasing	0
MXD3	Pituitary	1.61E-07	-0.00049	0.000371	other	0
MYADML2	Pituitary	1.32E-09	-0.00042	0.004321	other	0
MYBL2	Pituitary	2.77E-12	-0.00074	5.86E-09	decreasing	0
MYCN	Pituitary	1.79E-10	-0.00074	2.16E-08	decreasing	0
NASP	Pituitary	6.80E-10	-0.00071	1.70E-07	decreasing	0
NAT16	Pituitary	2.30E-07	0.000444	0.001584	other	0
NCAPG	Pituitary	8.37E-08	-0.00077	3.81E-09	decreasing	0
NDC80	Pituitary	3.99E-11	-0.00072	1.88E-08	decreasing	0
NECAB1	Pituitary	3.60E-08	0.000673	1.23E-06	increasing	0
NEFH	Pituitary	3.55E-15	0.000774	6.06E-10	increasing	0
NEFL	Pituitary	4.41E-18	0.000855	6.10E-13	increasing	0
NEFM	Pituitary	6.64E-11	0.00066	5.61E-07	increasing	0
NEIL3	Pituitary	3.47E-08	-0.00055	6.86E-05	decreasing	0
NEK2	Pituitary	1.41E-08	-0.00061	8.48E-06	decreasing	0
NFIA	Pituitary	3.06E-08	-0.00041	0.003857	other	0
NHSL1	Pituitary	9.63E-08	-0.00077	1.11E-08	decreasing	0
NKX2.8	Pituitary	2.33E-07	0.000782	1.55E-09	increasing	0
NLGN3	Pituitary	5.56E-08	-0.00073	9.77E-09	decreasing	0
NOP9	Pituitary	2.88E-08	0.000278	0.066323	other	0
NPW	Pituitary	6.13E-08	0.000455	0.001974	other	0
NREP	Pituitary	2.23E-19	-0.00089	1.11E-14	decreasing	0
NRG2	Pituitary	5.41E-10	0.000699	1.14E-07	increasing	0
NRTN	Pituitary	1.52E-08	-0.00075	4.68E-09	decreasing	0
NT5DC2	Pituitary	5.93E-08	-0.00053	0.0002	other	0
NTF3	Pituitary	1.21E-09	-0.00068	1.79E-07	decreasing	0
NTM	Pituitary	1.87E-07	-0.0003	0.045251	other	0
NUCKS1	Pituitary	2.27E-07	8.24E-06	0.95526	other	0
NUF2	Pituitary	2.66E-11	-0.00071	4.95E-08	decreasing	0
NUP155	Pituitary	1.02E-07	3.94E-05	0.796819	other	0
NUSAP1	Pituitary	8.59E-12	-0.00078	1.45E-09	decreasing	0
NXPE3	Pituitary	6.21E-08	0.000537	9.36E-05	increasing	0
ODC1	Pituitary	2.62E-09	-0.00075	1.10E-08	decreasing	0
OSBPL2	Pituitary	9.30E-10	0.000752	2.88E-09	increasing	0
P2RY1	Pituitary	1.04E-11	-0.00077	9.31E-10	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
PADI2	Pituitary	1.26E-08	-0.00067	3.05E-07	decreasing	0
PARP4	Pituitary	8.74E-08	0.000713	1.63E-07	increasing	1
PBK	Pituitary	1.18E-13	-0.0007	1.28E-07	decreasing	0
PCCB	Pituitary	2.04E-08	0.000433	0.002132	other	0
PCDH11X	Pituitary	6.15E-08	-0.00073	1.49E-08	decreasing	0
PCDH20	Pituitary	4.06E-10	-8.35E-05	0.581363	other	0
PCDH8	Pituitary	4.87E-10	0.000464	0.001592	other	0
PCDH9	Pituitary	3.49E-09	-0.00047	0.00078	other	0
PCLO	Pituitary	2.13E-06	0.000693	1.00E-07	increasing	0
PDCD1	Pituitary	9.98E-08	0.000482	0.000986	other	0
PDF	Pituitary	9.23E-08	0.000131	0.388336	other	0
PDPN	Pituitary	2.42E-08	-0.00071	3.47E-08	decreasing	0
PGBD5	Pituitary	4.95E-10	0.000756	2.20E-09	increasing	0
PHGDH	Pituitary	3.11E-10	-0.00079	9.71E-10	decreasing	0
PI4KA	Pituitary	2.52E-10	0.000801	2.53E-10	increasing	0
PIBF1	Pituitary	2.35E-07	-0.00043	0.002455	other	0
PINLYP	Pituitary	1.20E-07	0.000586	1.50E-05	increasing	0
PLD2	Pituitary	4.25E-06	-0.00072	1.92E-08	decreasing	0
PLEKHA5	Pituitary	2.06E-07	-0.00043	0.00203	other	0
PLS1	Pituitary	1.22E-08	0.0006	8.50E-06	increasing	0
PNOC	Pituitary	2.51E-08	-0.00068	1.98E-07	decreasing	0
PNPLA5	Pituitary	1.60E-07	0.000349	0.014724	other	0
PNPO	Pituitary	6.31E-08	0.000277	0.055606	other	0
POC1A	Pituitary	2.03E-08	-0.00068	1.93E-07	decreasing	0
POLE2	Pituitary	1.23E-08	-0.00055	9.79E-05	decreasing	0
POU6F2	Pituitary	3.55E-12	0.000631	2.29E-06	increasing	0
PPARGC1A	Pituitary	2.24E-07	-0.00057	2.44E-05	decreasing	0
PPP2R2C	Pituitary	4.72E-07	0.000702	6.29E-08	increasing	0
PRICKLE1	Pituitary	1.33E-09	-1.49E-06	0.992032	other	0
PRLHR	Pituitary	1.07E-05	0.00068	2.08E-07	increasing	0
PRRT4	Pituitary	6.87E-07	-0.00073	8.53E-08	decreasing	0
PTCHD4	Pituitary	2.58E-08	0.000514	0.000204	other	0
PTGFRN	Pituitary	1.98E-08	-0.00056	4.82E-05	decreasing	1
PVRL3	Pituitary	9.96E-08	-0.00053	0.000107	other	0
QRFPR	Pituitary	1.29E-12	-0.00076	1.71E-09	decreasing	0
QSOX2	Pituitary	3.72E-08	0.000372	0.008981	other	0
RAB29	Pituitary	2.57E-07	0.000512	0.000387	other	0
RAI1	Pituitary	2.85E-07	0.000712	1.20E-07	increasing	0
RALGPS2	Pituitary	1.66E-06	0.000721	2.01E-08	increasing	0
RBBP8	Pituitary	7.33E-12	-0.00068	8.76E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
RBM20	Pituitary	2.48E-11	0.000805	8.83E-10	increasing	0
RBM7	Pituitary	8.24E-08	-7.36E-05	0.624091	other	0
RBMS1	Pituitary	2.27E-07	-0.00065	1.03E-06	decreasing	0
RBP4	Pituitary	1.39E-11	0.000279	0.053863	other	0
RCN1	Pituitary	5.73E-10	-0.00071	3.20E-08	decreasing	0
RCN2	Pituitary	2.85E-07	-0.00075	4.23E-09	decreasing	0
RGS13	Pituitary	6.22E-08	-0.00073	2.27E-08	decreasing	0
RHOU	Pituitary	5.74E-10	-0.0006	1.40E-05	decreasing	0
RIMS2	Pituitary	1.55E-05	0.00069	1.22E-07	increasing	0
RIMS4	Pituitary	4.48E-08	0.000481	0.000891	other	0
RIN1	Pituitary	4.49E-09	0.000618	1.15E-05	increasing	0
RIT1	Pituitary	2.44E-07	-0.00038	0.008693	other	0
RMI1	Pituitary	1.08E-08	-0.00027	0.05804	other	0
RMI2	Pituitary	8.12E-09	-0.00062	5.77E-06	decreasing	0
RRP12	Pituitary	3.28E-08	0.000292	0.045528	other	0
RSPO2	Pituitary	1.33E-05	0.000713	1.84E-07	increasing	0
RTKN2	Pituitary	3.83E-08	0.000128	0.401169	other	0
RUNX3	Pituitary	3.24E-09	0.000544	0.000122	other	0
SCARB2	Pituitary	7.41E-08	-0.00069	1.14E-07	decreasing	0
SCN2A	Pituitary	2.33E-07	0.000721	2.10E-08	increasing	0
SEC16B	Pituitary	7.27E-10	0.000471	0.000747	other	0
SEPT8	Pituitary	2.57E-09	0.000346	0.020116	other	0
SERINC2	Pituitary	5.48E-10	-0.00072	8.62E-08	decreasing	0
SGOL1	Pituitary	4.68E-11	-0.00064	3.27E-06	decreasing	0
SGOL2	Pituitary	7.37E-10	-0.00067	5.02E-07	decreasing	0
SHH	Pituitary	1.67E-08	-0.00051	0.000223	other	0
SKA2	Pituitary	7.83E-09	-0.00043	0.003094	other	0
SKA3	Pituitary	1.11E-07	-0.00043	0.002514	other	0
SKAP2	Pituitary	1.17E-15	0.000831	3.22E-11	increasing	1
SLC15A1	Pituitary	6.02E-09	-0.00076	1.01E-08	decreasing	0
SLC16A9	Pituitary	5.76E-08	-0.00066	1.20E-06	decreasing	0
SLC25A45	Pituitary	2.04E-10	0.000546	0.000112	other	0
SLC39A10	Pituitary	1.11E-07	-0.0006	7.55E-06	decreasing	0
SLC46A3	Pituitary	7.93E-08	0.0007	2.74E-07	increasing	1
SLC6A5	Pituitary	6.51E-08	0.000567	4.03E-05	increasing	0
SLC8A2	Pituitary	1.28E-06	0.000706	4.95E-08	increasing	0
SLC9A6	Pituitary	1.95E-07	-0.00057	2.99E-05	decreasing	0
SLCO1C1	Pituitary	3.07E-10	-0.00071	4.48E-08	decreasing	0
SLITRK1	Pituitary	3.10E-10	-0.00074	8.00E-09	decreasing	0
SLITRK5	Pituitary	1.71E-07	-0.00055	0.000134	other	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
SMARCA2	Pituitary	2.68E-05	0.000696	8.52E-08	increasing	0
SMEK2	Pituitary	1.66E-07	-0.00022	0.149273	other	0
SMPDL3A	Pituitary	4.48E-09	-0.00063	2.85E-06	decreasing	0
SNRPA1	Pituitary	1.38E-07	-0.00056	4.98E-05	decreasing	0
SNX1	Pituitary	4.03E-08	0.000235	0.122224	other	0
SOX11	Pituitary	1.38E-12	-0.00072	2.70E-08	decreasing	1
SPARC	Pituitary	4.93E-08	-0.00063	1.91E-06	decreasing	0
SPATS2L	Pituitary	1.80E-08	-0.00068	2.67E-07	decreasing	0
SPC25	Pituitary	1.78E-12	-0.00073	1.57E-08	decreasing	0
SPINK2	Pituitary	1.06E-10	-0.00071	8.91E-08	decreasing	0
SPR	Pituitary	7.17E-08	0.000116	0.446065	other	0
SPTBN4	Pituitary	3.03E-08	0.000607	6.50E-06	increasing	0
SPTSSA	Pituitary	5.44E-09	-0.00064	1.76E-06	decreasing	0
SREK1IP1	Pituitary	1.39E-08	-1.79E-05	0.906728	other	0
ST6GAL2	Pituitary	1.55E-08	-0.00055	5.12E-05	decreasing	0
ST8SIA4	Pituitary	2.24E-07	-0.00057	3.52E-05	decreasing	0
STAT4	Pituitary	1.94E-08	0.000726	1.48E-08	increasing	0
STAT5B	Pituitary	1.13E-07	0.000472	0.000722	other	0
STEAP2	Pituitary	1.86E-07	0.000722	3.26E-08	increasing	0
STMN4	Pituitary	6.68E-09	-0.00072	1.48E-07	decreasing	0
SWAP70	Pituitary	3.10E-08	-0.00039	0.00561	other	0
SYCE3	Pituitary	1.12E-07	-0.00061	5.61E-06	decreasing	0
SYNE1	Pituitary	5.54E-09	0.000761	1.53E-09	increasing	0
SYT7	Pituitary	2.79E-08	0.000612	5.25E-06	increasing	0
TAC1	Pituitary	4.31E-11	0.000233	0.117846	other	0
TACC3	Pituitary	5.40E-10	-0.00053	0.000158	other	0
TBC1D1	Pituitary	3.59E-10	0.000643	3.09E-06	increasing	0
TBX1	Pituitary	2.63E-08	0.00014	0.360831	other	0
TBX20	Pituitary	2.40E-09	-0.00067	5.99E-07	decreasing	0
TCF19	Pituitary	2.22E-07	-0.00058	2.84E-05	decreasing	0
TEX40	Pituitary	1.34E-07	-2.35E-05	0.876543	other	0
TICRR	Pituitary	1.45E-07	-0.0006	1.12E-05	decreasing	0
TK1	Pituitary	1.68E-07	-0.00063	2.45E-06	decreasing	0
TMEFF1	Pituitary	2.46E-09	-0.00063	4.98E-06	decreasing	0
TMEM114	Pituitary	6.53E-08	0.000364	0.010832	other	0
TMEM155	Pituitary	2.03E-09	-0.00075	2.40E-09	decreasing	0
TMEM191C	Pituitary	2.39E-08	0.000291	0.046088	other	0
TMEM238	Pituitary	3.96E-09	0.000149	0.327797	other	0
TMEM257	Pituitary	3.08E-08	-0.00066	4.96E-07	decreasing	0
TMEM74	Pituitary	2.14E-08	-0.00068	3.12E-07	decreasing	0

Supplementary Table 9. Genes with a significant age effect from either ANOVA or linear regression. Beta is the regression coefficient, Pval is the p-value for the regression coefficient of expression on age (in days). Effect category is increasing if beta is positive and significant, decreasing if beta is negative and significant, and other if the ANOVA were significant rather than the linear regression. Local eQTL is 1 if the gene had a significant local eQTL

Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
TMEM86B	Pituitary	1.84E-07	0.000469	0.001153	other	0
TMOD1	Pituitary	9.91E-08	0.000608	6.20E-06	increasing	0
TMPO	Pituitary	1.59E-08	-0.00058	1.97E-05	decreasing	0
TMSB15A	Pituitary	2.82E-09	-0.00043	0.002583	other	0
TMSB15B	Pituitary	1.61E-11	-0.00079	6.92E-10	decreasing	0
TNFRSF10B	Pituitary	1.94E-09	0.000429	0.003745	other	0
TNFRSF19	Pituitary	5.46E-09	-0.00069	1.22E-07	decreasing	0
TOP2A	Pituitary	8.71E-12	-0.00072	1.87E-08	decreasing	0
TPH2	Pituitary	4.67E-09	0.000401	0.004683	other	0
TPX2	Pituitary	2.36E-11	-0.00076	1.21E-09	decreasing	0
TRADD	Pituitary	1.70E-07	0.000322	0.029594	other	0
TROAP	Pituitary	4.05E-13	-0.00067	6.64E-07	decreasing	0
TRPV3	Pituitary	2.41E-07	0.000678	9.63E-07	increasing	0
TSHB	Pituitary	6.78E-08	6.48E-05	0.658726	other	0
TSHZ3	Pituitary	1.44E-09	0.000828	1.68E-10	increasing	0
TSPAN2	Pituitary	4.99E-06	-0.00071	1.68E-07	decreasing	0
TSPYL1	Pituitary	1.01E-07	0.000618	6.52E-06	increasing	1
TSPYL2	Pituitary	1.38E-08	0.000657	6.73E-07	increasing	0
TTC39A	Pituitary	1.08E-08	0.000649	9.57E-07	increasing	0
TTK	Pituitary	2.81E-08	-0.00058	3.08E-05	decreasing	0
TUBA8	Pituitary	5.80E-06	0.000689	1.28E-07	increasing	1
TUBB1	Pituitary	5.06E-08	-0.00034	0.022517	other	0
UBE2C	Pituitary	8.73E-10	-0.00066	1.33E-06	decreasing	0
UCP3	Pituitary	5.63E-08	-0.00043	0.002436	other	0
UGCG	Pituitary	1.55E-07	-0.00023	0.111464	other	0
UHRF1	Pituitary	7.38E-10	-0.00077	1.08E-09	decreasing	0
USP11	Pituitary	9.94E-08	0.000747	7.36E-09	increasing	0
VEGFC	Pituitary	7.34E-08	-0.00071	3.16E-08	decreasing	0
VSIG1	Pituitary	3.26E-12	-0.00068	7.33E-07	decreasing	0
VSNL1	Pituitary	2.27E-07	0.000689	4.70E-07	increasing	0
VSTM2A	Pituitary	7.20E-12	-0.0008	8.85E-10	decreasing	0
WEE1	Pituitary	5.58E-08	-0.00068	5.53E-07	decreasing	0
WFS1	Pituitary	6.83E-08	0.00062	3.74E-06	increasing	0
WNT1	Pituitary	1.25E-09	-0.00019	0.191262	other	0
WNT10B	Pituitary	3.74E-10	-0.00016	0.273472	other	0
WNT5A	Pituitary	6.07E-12	-0.0008	1.00E-09	decreasing	0
XPC	Pituitary	1.91E-07	-1.19E-05	0.937335	other	0
XPR1	Pituitary	1.87E-07	-0.00038	0.00817	other	0
ZFP42	Pituitary	1.61E-10	-0.00071	1.95E-07	decreasing	1
ZNF185	Pituitary	1.05E-07	-0.00072	1.38E-07	decreasing	0

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Gene	Tissue	Anova.pval	Beta	Pval	EffectCategory	Local eQTL
ZNF22	Pituitary	1.25E-08	-0.00064	3.80E-06	decreasing	0
ZNF311	Pituitary	1.68E-06	-0.00073	1.48E-08	decreasing	0
ZNF367	Pituitary	1.25E-10	-0.00053	0.000104	other	0
ZNF521	Pituitary	5.28E-17	-0.00083	4.53E-12	decreasing	0
ZNF543	Pituitary	5.74E-09	7.94E-05	0.604762	other	0
ZNF596	Pituitary	1.77E-07	-0.00029	0.041848	other	0
ZNF711	Pituitary	4.03E-09	-0.00069	2.27E-07	decreasing	0
ZWINT	Pituitary	4.86E-08	-0.00044	0.00228	other	0

Supplementary Table 10. The proportion of Bonferroni-significant eQTL from Dataset 2 to fall in four SNP MAF bins

	eQTL MAF bin			
	10-20%	**20-30%**	**30-40%**	**40-50%**
Local eQTL				
Adrenal	0.018	0.172	0.354	0.456
BA46	0.021	0.191	0.359	0.429
Blood	0.004	0.248	0.312	0.435
Caudate	0.015	0.158	0.354	0.472
Fibroblast	0.025	0.175	0.347	0.453
Hippocampus	0.02	0.16	0.351	0.468
Pituitary	0.017	0.182	0.389	0.412
Distant eQTL				
Adrenal	0.003	0.283	0.387	0.327
BA46	0.007	0.262	0.51	0.222
Blood	0	0.5	0.333	0.167
Caudate	0.014	0.161	0.437	0.388
Fibroblast	0.018	0.125	0.539	0.318
Hippocampus	0.018	0.246	0.294	0.441
Pituitary	0.067	0.143	0.258	0.532

Supplementary Table 11. Investigation of enrichment of local eQTL in genes with significant age effect

Tissue	EffectCategory	OR	Pval
Adrenal	decreasing	0.25	3.33E-08
Adrenal	increasing	0.38	0.001864
Adrenal	other	0.27	1.56E-08
BA46	decreasing	0.55	8.38E-05
BA46	increasing	0.48	2.47E-05
BA46	other	0.63	0.050519
Caudate	decreasing	0.35	6.97E-17
Caudate	increasing	0.53	2.26E-09
Caudate	other	0.30	1.36E-27
Pituitary	decreasing	0.34	2.82E-05
Pituitary	increasing	0.53	0.07869
Pituitary	other	0.23	2.70E-06

Supplementary Table 12. Comparison of specific genes with local eQTL in Vervet Dataset 2 to GTEx. The number of genes with at least one significant local eQTL in Vervet (at Bonferroni thresholds) are presented

Tissue	# Local eQTL Vervet Genes[a]	# Vervet Genes with Human Ortholog	# Genes Tested in GTEx[b]	% Tested Genes $p<0.05$	% Tested Genes $p<0.05$/#tested Genes	% Tested Genes significant genome-wide in GTEx[d]
Adrenal	555	317	279	100%	49.10%	25.80%
Blood	60	16	14	100%	100%	35.70%
Caudate	441	225	196	100%	50.00%	18.40%
Hippocampus	361	187	168	100%	49.40%	14.30%
Pituitary	596	303	282	100%	45.00%	18.70%

[a] The number of genes with at least one significant local eQTL in Vervet, at Bonferroni corrected threshold ($p<6.5x10^{-10}$)

[b] Vervet genes with a human ortholog that were not tested in GTEx were filtered by their QC procedures

[c] The threshold for significance corrected for the number of genes compared between Vervet and GTEx (column 4).

[d] Genes were declared significant in GTEx at an FDR of 0.05

Supplementary Table 13. Comparison of Vervet eQTL with Common Mind Consortium (CMC)

Tissue	# Local eQTL Vervet Genes	# Vervet Genes with Human Ortholog	# Genes Tested in CMC	% Tested Genes CMC FDR<0.20	% Tested Genes significant genome-wide in CMC
Vervet local eQTL at Bonferroni Thresholds					
BA46	307	183	130	100%	90.77%
Caudate	441	225	151	100%	87.42%
Hippocampus	361	187	137	99%	87.59%
Vervet eQTL at FDR thresholds					
BA46	2251	1346	1079	99%	88.60%
Caudate	3079	1712	1316	99%	87.61%
Hippocampus	2377	1391	1115	99%	88.25%

Supplementary Table 14. Counts of local eQTL in regions indicated by regulatory regions/features

Feature	Local+/Feature+	Local+/Feature-	Local-/Feature+	Local-/Feature-
Exon	44	1158	433	16829
Intron	587	615	6879	10383
Flank	52	1150	448	16814
Intergenic	519	683	9501	7761
Liver Me[a]	7	1195	32	17230
Liver Ac[b]	78	1124	582	16680
Rhesus caudate Ac[c]	60	1142	391	16871
Rhesus prefrontal Ac[d]	41	1161	308	16954

[a] H3K4me3 marks in vervet liver

[b] H3K27ac marks in vervet liver

[c] vervet orthologous location of HDK27ac epigenetic marks in rhesus macaque caudate

[d] vervet orthologous location of HDK27ac epigenetic marks in rhesus macaque prefrontal cortex

Supplementary Table 15. Genes with distant eQTL on vervet chromosome 9. Gene position is given as the start of the probe that interrogates the gene, in pase pairs (bp). N.distant.eQTL=number of distant eQTL for each gene in Dataset 1. SNPStart (bp) and SNPEnd (bp) present the range of positions for the associated SNPs. MinP.RNASeq.Blood is the minimum p-value obtained in evaluating association of SNPs and gene expression in Dataset 2 (RNA-Seq data). N.p<0.05 are the number of N.distant.eQTL SNPs with p<0.05 in RNA Seq analysis of gene expression in blood in Dataset 2. Pct Var is the range of percent variance in gene expression explained by SNPs in Dataset 1

VervetGeneSymbol	GeneChr	GeneStart (bp)	N.distant.eQTL	SNPChr	SNPStart (bp)	SNPEnd (bp)	MinP.RNASeq.Blood	N.p<0.05	Pct Var
LCMT1	chr5	22869269	76	chr9	82109236	83568492	9.90E-03	15	18%-35%
UQCR10	chr19	12644416	76	chr9	82109236	83568492	9.61E-02	0	15%-34%
ST7	chr21	85897845	152	chr9	82109236	83568492	8.28E-06	150	17%-33%
YPEL4	chr1	15584795	61	chr9	82109236	83568492	1.97E-06	61	16%-37%
TMEM57	chr20	107272832	15	chr9	82159100	83514443	8.92E-03	8	18%-25%
UBALD1	chr5	4295792	19	chr9	82159100	83514443	1.46E-01	0	18%-24%
RANBP10	chr5	59710718	42	chr9	82529804	83514443	2.07E-04	24	18%-23%
NARF	chr16	74400831	13	chr9	82542787	83514443	5.72E-03	9	16%-25%
STXBP1	chr12	10448338	11	chr9	82542787	82852576	2.10E-02	8	16%-21%
CNN3	chr20	38356395	16	chr9	82544812	83514443	2.17E-01	0	16%-28%
DEDD2	chr6	36402731	4	chr9	82632170	82694171	2.05E-02	2	16%-20%
HMBS	chr1	110460930	8	chr9	82632170	82870235	2.54E-01	0	17%-20%
THBS4	chr4	74274870	5	chr9	82632170	82852576	1.76E-01	0	19%-22%
SUGT1	chr3	30439128	1	chr9	82694171	82694171	4.79E-01	0	22%

Supplementary Table 16. SNP-Probe combinations to have Bonferroni significant replication of microarray CAE9 distant eQTL in RNA-Seq data. There are 27 unique SNPs associated to two genes.

SNP	Probe	VervetSymbol	Microarray Beta	Microarray P-value	RNA-Seq Beta	RNA-Seq P-value
CAE9_82105141	ILMN_1702175	*ST7*	0.54	2.68E-13	0.73	1.65E-05
CAE9_82106171	ILMN_1702175	*ST7*	0.50	1.65E-12	0.72	2.09E-05
CAE9_82115648	ILMN_1702175	*ST7*	0.55	2.21E-13	0.73	1.65E-05
CAE9_82671816	ILMN_1702175	*ST7*	0.63	2.79E-15	0.73	1.70E-05
CAE9_82159980	ILMN_1702175	*ST7*	0.50	8.86E-13	0.72	2.09E-05
CAE9_82171963	ILMN_1702175	*ST7*	0.55	2.06E-13	0.73	1.65E-05
CAE9_82197823	ILMN_1702175	*ST7*	0.50	8.86E-13	0.72	2.09E-05
CAE9_82252528	ILMN_1702175	*ST7*	0.55	1.07E-13	0.73	1.65E-05
CAE9_82462519	ILMN_1702175	*ST7*	0.55	1.07E-13	0.73	1.65E-05
CAE9_83183703	ILMN_1702175	*ST7*	0.51	2.32E-12	0.73	1.20E-05
CAE9_82753918	ILMN_1702175	*ST7*	0.63	9.65E-18	0.74	8.28E-06
CAE9_82792461	ILMN_1702175	*ST7*	0.63	9.65E-18	0.74	8.28E-06
CAE9_83279014	ILMN_1702175	*ST7*	0.55	3.98E-14	0.75	1.07E-05
CAE9_82115648	ILMN_1707763	*ST7*	0.62	4.23E-14	0.73	1.65E-05
CAE9_82120987	ILMN_1707763	*ST7*	0.64	2.65E-12	0.75	7.60E-06
CAE9_82171963	ILMN_1707763	*ST7*	0.63	1.84E-14	0.73	1.65E-05
CAE9_82179403	ILMN_1707763	*ST7*	0.62	7.24E-12	0.75	7.60E-06
CAE9_82197823	ILMN_1707763	*ST7*	0.54	2.77E-12	0.72	2.09E-05
CAE9_82159980	ILMN_1707763	*ST7*	0.54	2.77E-12	0.72	2.09E-05
CAE9_83183703	ILMN_1707763	*ST7*	0.60	5.92E-14	0.73	1.20E-05
CAE9_82252528	ILMN_1707763	*ST7*	0.64	7.30E-15	0.73	1.65E-05
CAE9_82308161	ILMN_1707763	*ST7*	0.65	3.56E-13	0.73	1.70E-05
CAE9_82462519	ILMN_1707763	*ST7*	0.64	7.30E-15	0.73	1.65E-05
CAE9_82671816	ILMN_1707763	*ST7*	0.75	1.59E-17	0.73	1.70E-05
CAE9_82753918	ILMN_1707763	*ST7*	0.72	7.10E-19	0.74	8.28E-06
CAE9_82792461	ILMN_1707763	*ST7*	0.72	7.10E-19	0.74	8.28E-06
CAE9_82105141	ILMN_1707763	*ST7*	0.62	3.74E-14	0.73	1.65E-05
CAE9_82106171	ILMN_1707763	*ST7*	0.54	6.26E-12	0.72	2.09E-05
CAE9_83248692	ILMN_1707763	*ST7*	0.59	3.36E-12	0.73	1.33E-05
CAE9_83279014	ILMN_1707763	*ST7*	0.65	2.18E-16	0.75	1.07E-05
CAE9_83429364	ILMN_1707763	*ST7*	0.58	7.68E-12	0.73	1.68E-05
CAE9_83183703	ILMN_1726624	*YPEL4*	0.57	9.14E-13	0.74	4.99E-06
CAE9_82792461	ILMN_1726624	*YPEL4*	0.67	3.50E-16	0.77	1.97E-06
CAE9_82853104	ILMN_1726624	*YPEL4*	0.62	8.82E-15	0.73	6.65E-06
CAE9_82015581	ILMN_1726624	*YPEL4*	0.66	6.65E-12	0.92	2.96E-06
CAE9_82105141	ILMN_1726624	*YPEL4*	0.60	5.02E-13	0.74	6.08E-06
CAE9_82115648	ILMN_1726624	*YPEL4*	0.60	8.44E-13	0.74	6.08E-06
CAE9_82116623	ILMN_1726624	*YPEL4*	0.57	4.68E-12	0.71	1.78E-05
CAE9_82171963	ILMN_1726624	*YPEL4*	0.60	3.13E-13	0.74	6.08E-06
CAE9_82252528	ILMN_1726624	*YPEL4*	0.60	3.43E-13	0.74	6.08E-06
CAE9_82302393	ILMN_1726624	*YPEL4*	0.57	1.95E-12	0.71	1.78E-05
CAE9_82308161	ILMN_1726624	*YPEL4*	0.68	2.07E-14	0.78	1.98E-06
CAE9_82404232	ILMN_1726624	*YPEL4*	0.63	4.21E-13	0.73	8.56E-06
CAE9_82439232	ILMN_1726624	*YPEL4*	0.57	1.95E-12	0.71	1.78E-05
CAE9_82462519	ILMN_1726624	*YPEL4*	0.60	3.43E-13	0.74	6.08E-06
CAE9_82671816	ILMN_1726624	*YPEL4*	0.77	3.89E-18	0.78	1.98E-06
CAE9_82694171	ILMN_1726624	*YPEL4*	1.03	2.99E-27	0.90	7.85E-06
CAE9_82747272	ILMN_1726624	*YPEL4*	0.59	7.01E-14	0.73	6.65E-06
CAE9_82753918	ILMN_1726624	*YPEL4*	0.67	3.50E-16	0.77	1.97E-06
CAE9_83248692	ILMN_1726624	*YPEL4*	0.62	1.38E-13	0.77	1.77E-06
CAE9_83279014	ILMN_1726624	*YPEL4*	0.60	1.27E-13	0.73	1.09E-05
CAE9_83321719	ILMN_1726624	*YPEL4*	0.62	1.58E-13	0.74	6.07E-06
CAE9_83429364	ILMN_1726624	*YPEL4*	0.64	3.33E-14	0.79	9.43E-07

Supplementary Table 17. Genetic correlation of expression of *IFIT1B* (ILMN_1759155) with 14 genes with distant eQTL on CAE9, in Dataset 1.

VervetGeneSymbol	Probe	rhoG	rhoGSE	P-value for rhoG=0	P-value for rhoG=1
RANBP10	ILMN_1667306	0.912	0.038	4.92E-11	1.77E-03
SUGT1	ILMN_1687675	0.670	0.089	6.50E-07	9.55E-10
LCMT1	ILMN_1688452	0.830	0.063	2.79E-10	6.21E-05
HMBS	ILMN_1694476	0.899	0.065	3.86E-07	8.17E-02
ST7	ILMN_1702175	0.874	0.064	9.20E-12	4.95E-03
ST7	ILMN_1707763	0.921	0.054	7.30E-13	3.82E-02
TMEM57	ILMN_1718831	0.845	0.055	4.15E-09	1.03E-04
YPEL4	ILMN_1726624	0.940	0.030	5.53E-13	5.39E-03
NARF	ILMN_1726884	0.789	0.058	1.47E-10	1.56E-10
UBALD1	ILMN_1733863	0.852	0.053	1.18E-10	3.10E-06
THBS4	ILMN_1736078	0.822	0.063	1.52E-11	1.10E-05
DEDD3	ILMN_1768031	0.649	0.098	8.25E-06	2.00E-07
UQCR10	ILMN_1781986	0.873	0.056	6.70E-14	6.30E-04
CNN3	ILMN_1782439	0.710	0.089	1.15E-05	7.62E-05
STXBP1	ILMN_1810657	0.705	0.077	1.72E-07	4.95E-09

Supplementary Table 18. Association analysis of CAE9_82694171 with gene expression of 14 genes, in Dataset 1. Analysis is also done conditional on expression of gene *IFIT1B* , for which CAE9_82694171 is a local eQTL

		Unconditional analysis			Conditional on *IFIT1B* expression		
Probe	**VervetGeneSymbol**	**Beta**	**P-value**	**Variance Explained**	**Beta**	**P-value**	**Variance Explained**
ILMN_1667306	*RANBP10*	-0.81	5.33E-17	22.64%	0.12	5.23E-02	1.21%
ILMN_1687675	*SUGT1*	-0.73	1.53E-15	21.58%	-0.25	6.83E-03	3.22%
ILMN_1688452	*LCMT1*	-1.05	5.74E-28	35.12%	-0.45	1.40E-07	8.85%
ILMN_1694476	*HMBS*	-0.74	3.09E-15	19.68%	0.06	4.09E-01	0.26%
ILMN_1702175	*ST7*	-0.84	9.06E-23	30.18%	-0.44	1.66E-07	7.61%
ILMN_1707763	*ST7*	-0.96	2.00E-24	33.18%	-0.51	1.55E-08	9.95%
ILMN_1718831	*TMEM57*	-0.88	1.03E-18	25.37%	-0.06	4.15E-01	0.26%
ILMN_1726624	*YPEL4*	-1.03	4.47E-29	36.55%	-0.27	3.50E-05	4.81%
ILMN_1726884	*NARF*	-0.81	3.07E-16	24.94%	-0.21	1.94E-02	1.76%
ILMN_1733863	*UBALD1*	-0.69	7.95E-18	23.31%	-0.12	8.15E-02	0.79%
ILMN_1736078	*THBS4*	-0.69	5.19E-13	18.59%	-0.14	1.22E-01	0.43%
ILMN_1768031	*DEDD2*	-0.70	5.48E-13	19.55%	-0.19	5.05E-02	1.99%
ILMN_1781986	*UQCR10*	-0.90	5.81E-25	31.93%	-0.45	7.96E-08	9.04%
ILMN_1782439	*CNN3*	-0.90	1.12E-19	27.77%	-0.27	4.43E-03	3.51%
ILMN_1810657	*STXBP1*	-0.79	2.67E-15	20.92%	-0.07	4.08E-01	0.48%

Supplementary Table 19. (A) Unconditional (univariate) analyses of hippocampal expression of three genes as a function of lead SNPs for each gene. (B) Conditional (multivariate) analysis of hippocampal expression of three genes as a function of the gene's lead SNP and the lead SNP for one of the other genes. Lead SNPs are colored as: red=*LOC103222765* ; blue=*LOC103222769* ; green=*LOC103222771*

A. Unconditional (Univariate) Analysis

Response Variable	Explanatory Variable	Beta	P-value
LOC103222765	CAE18_68730707	-1.152	1.10E-10
	CAE18_68915135	0.219	0.204
	CAE18_68931864	-0.210	0.275
LOC103222769	CAE18_68730707	0.227	0.237
	CAE18_68915135	-0.901	3.67E-11
	CAE18_68931864	-0.920	3.66E-08
LOC103222771	CAE18_68730707	-0.499	0.011
	CAE18_68915135	-0.662	1.06E-05
	CAE18_68931864	-0.953	7.83E-10

B. Conditional (Multivariate) Analyses

Response Variable	Explanatory Variables	Beta	P-value
LOC103222765	CAE18_68730707	-1.1652	3.48E-10
	CAE18_68915135	-0.0349	0.776
	CAE18_68730707	-1.1412	2.60E-10
	CAE18_68931864	-0.0667	0.616
LOC103222769	CAE18_68915135	-0.9108	1.06E-10
	CAE18_68730707	-0.0454	0.735
	CAE18_68915135	-0.6925	5.37E-05
	CAE18_68931864	-0.3288	0.078
LOC103222771	CAE18_68931864	-0.9084	9.19E-10
	CAE18_68730707	-0.361	0.010
	CAE18_68931864	-0.9135	1.96E-05
	CAE18_68915135	-0.0479	0.785

Supplementary Table 20. RNA-seq summary by Tissue

Tissue type	RNA extraction method	cDNA libraries and RNA-seq reads	Average Input Reads [Mln]	% of uniquely aligned reads
Adrenal	PerfectPure (N=57) and miRNeasy (N=3)	polyA (no RiboZero) 2x100bp, 2x120bp	56.4	90
BA46	PerfectPure (N=55) and miRNeasy (N=3)	total RNA (RiboZero) 2x120bp	58	77.3
Blood	PaxGene (N=60)	total RNA (RiboZero) 2x100bp	56.5	78
Caudate	PerfectPure (N=54), miRNeasy (N=5)	total RNA (RiboZero) 2x100bp	60.3	86.8
Fibroblast	miRNeasy (N=60)	polyA (no RiboZero) 2x100bp, 2x120bp	60.9	89.2
Hippocampus	PerfectPure (N=56) and miRNeasy (N=3)	total RNA (RiboZero) 2x100bp	45.1	78.9
Pituitary	PerfectPure (N=55) and miRNeasy (N=5)	polyA (no RiboZero) 2x100bp, 2x120bp	59.3	90.1

Supplementary Table 21. Approximate chronologic age correspondence between Vervet and Human

Human Age*	Human Developmental Period*	Vervet Age	Vervet Category	Vervet Transcriptome Age Categories**
Birth-5 months	Early infancy	0 to 1 month	Neonates	1d, **7d,** 30d
6-18 months	Late infancy	1.5 to 4.5 months	Young infants	60d, **90d**
19 months-5 yrs	Early childhood	6 months to 1.25 years	Older infants to young juveniles	180d, 270d, **1y, 1.25y**
6-11 yrs	Late childhood	1.5 to 2.75 years	Older juveniles	**1.5y, 1.75y, 2y, 2.5y**
12-19 yrs	Adolescence	3 to 4.75 years	Adolescents	**3y, 4y**
20-60+ yrs	Adulthood	5 years +	Adults	**5y or older**

* BrainSpan Atlas [Kang et al] [PMID: 22031440]

**in bold vervet age categories used for comparison

Supplementary Table 22. Approximate chronologic age correspondence between vervet and rhesus macaque

Age rhesus macaques*	Age Vervet in Dataset 2
0m	Infants 7 days
3m	Infants 90 days
12m	Infants 1 and 1.25 year old
48m	Adults 4+ years

* Blueprint Non-Human Primate (NHP) Atlas [Bakken et al] [PMID: 27409810]

Supplementary Table 23. Matching tissues in Vervet Dataset 2 and human and rhesus macaque

Vervet tissue	Human tissue*	Rhesus tissue**
BA46	Dorsolateral Prefrontal Cortex (DLPFC)	Medial Prefrontal Cortex
Caudate	Striatum	Basal ganglia
Hippocampus	Hippocampus	Hippocampus

* BrainSpan Atlas [Kang et al PMID: 22031440]

** Blueprint Non-Human Primate (NHP) Atlas [Bakken et al PMID: 27409810].

Supplementary Table 24. Primers and probes for qRT-PCR

Gene Symbol	Accession No.	Primer & Hydrolysis Probe Sequences (5'–3')	Reporter	Amplicon Size (bp)	Tm (°C)	Slope	Intercept	R^2	Reference Stability (Std. Dev.)
LOC103222765	XR_493563.1	Forward: TGAATGCAACCCTCAGGAACTG Reverse: CCTTCCTCTTCAGCTTGCTTTATTC Probe: CTGGGCAACCAACCTG	FAM	89	60	-3.3809	34.17	0.98995	N/A
LOC103222769	XR_493565.1	Forward: CCGGCAGAATCAGGCCTC Reverse: TGGATCTGAACTGCTGCTTTGTAAT Probe: ACAGCCAGGGAACCAG	FAM	81	60	-3.8631	32.03	0.99879	N/A
LOC103222771	XR_493567.1 XR_493568.1 XR_493570.1 XR_493569.1	Forward: GCTGTTTCCCAAGCCCATCTAG Reverse: CCCAAAGACACAGGTCTTATATGAAGT Probe: CAGCCCCGATGTCCTT	FAM	97	60	-3.5545	35.168	0.99143	N/A
HPRT1	XM_007992743.1	Forward: CCAGGTTATGACCTTGATTTATTTTGCA Reverse: CAAGACGTTCAGTCCTGTCCATAAT Probe: CACCCTTTCCAAATCC	FAM	106	60	-3.4116	28.3	0.99911	0.25
*GAPDH**	XM_007967342.1	Forward: CCACAGTCCACGCCATCA Reverse: CCATCACGCCACAGTTTGC Probe: CTGCCACCCAGAAGAC	FAM	70	60	-3.7975	23.8	0.99879	0.08
B2M	XM_008016776.1	Forward: CGTGCTCCAAAGATTCAGGTTT Reverse: CCCAGACACATAGCAATTCAGGAAA Probe: ACTCACGCCATCCACC	FAM	81	60	-3.4614	25.14	0.99911	0.48

*Assay also amplifies pseudogene.