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3 Epigenetic Modifications in T Cells: The Role of DNA Methylation in Salt-Sensitive
4 Hypertension

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6 **ONLINE SUPPLEMENT**

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37 *Methylation and Gene Expression Profile in T cells of the Dahl SS rat.*

38 *T cell isolation from SS/MCW and SS/CRL rats.* At the end of the 10-week study, T cells were
39 collected from both the blood and kidneys of male SS/MCW and SS/CRL rats fed the high salt
40 diet as well as in the low salt control groups in the morning between 8 and 10 am. The isolated T
41 cells were collected with the intention of RNA isolation for RNA-seq and DNA isolation for
42 reduced representation bisulfite sequencing (RRBS) from T cells within the same animals and
43 tissue source [1]. This would allow analysis of both gene expression and DNA methylation profile
44 within the same animals of each experimental group previously mentioned (n=4 pools/group, 3
45 rats/pool). One limitation of this study is the examination of methylome profile in T cells was only
46 performed in male rats. We have previously demonstrated that Dahl SS females do develop salt-
47 induced hypertension and renal damage that is significantly blunted relative to age-matched males
48 [2]. While there are varying reports in the human literature about sex differences in genome-wide
49 methylome status [3, 4], future studies will focus on whether female Dahl SS rats exhibit similar
50 methylation patterns as the males in response to a high salt diet.

51
52 *DNA methylation profiling.* Reduced representation bisulfite sequencing (RRBS) was performed
53 to quantify methylation levels at single-base resolution. A total of 40 libraries were generated
54 according to the previously described protocols [5] with modifications to allow multiplexing [6,
55 7]. The libraries underwent cluster generation using TruSeq PE Cluster Kit v4-cBot-HS and 100
56 cycles of paired-end sequencing using TruSeq SBS Kit v4-HS (Illumina). 13 or 14 libraries were
57 multiplexed in one lane and sequenced on an Illumina HiSeq 2500 sequencer.

58 The raw sequences from HiSeq 2500 were first processed and trimmed [8]. The trimmed short
59 reads were mapped to the rat reference genome (rn5) downloaded from the UCSC Genome
60 Browser (<http://hgdownload.cse.ucsc.edu/goldenPath/rn5/database/>) using Bismark (v0.16.1) [9].
61 Bisulfite conversion rates were estimated from the number of unconverted cytosines at Klenow
62 filled-in 3'MspI sites of sequencing reads that were short enough to read through these sites.

63 For each CpG site, the methylation rate (5mC) was calculated as the percentage of unconverted
64 cytosines in each library. Next, we used metilene software [10] to identify all methylation regions
65 across the genome and subsequently identify differentially methylated regions (DMRs) between
66 two groups of rats. A DMR was required to contain at least five CpG sites, and exhibit a 5mC
67 difference of greater than 5% between two tested groups [5]. Methylation regions were divided
68 based on genomic location as transcription start site (TSS) regions (defined to include 1,000 bp
69 upstream and downstream of a known gene TSS), intragenic (if located within the gene body), or
70 intergenic (if located between genes) [5].

71 *Pathway analysis.* Pathway analysis of genes with differential methylation and expression was
72 performed using Ingenuity Pathway Analysis (IPA; Qiagen Bioinformatics). In IPA, the 'Core
73 Expression Analysis' module was used, which provided outputs including canonical pathways, as
74 well as upstream regulators.

75 *Retrospective analysis of RNA-seq Data.* A previously generated RNA-seq data set [1] was utilized
76 to assess relationships between methylation and expression in the T cells isolated from SS/MCW
77 and SS/CRL rats. Differentially expressed genes, in kidney vs blood T cells of the same group of
78 animals, were identified as having a false discovery rate <0.05. Additionally, in the RRBS dataset
79 comparing blood and kidney T cells, genes which had at least one DMR in the TSS were identified.

80 For genes that had more than one DMR in the TSS, the region with the greatest methylation
81 difference was considered. Overlapping genes that had a DMR in the TSS and were differentially
82 expressed were plotted as delta methylation versus log₂(ratio) of expression in FPKM. The number
83 of genes that exhibited a negative relationship between methylation and expression were compared
84 to the number of genes that exhibited positive relationship. A flow diagram of the workflow taken
85 to perform the combined analysis is shown in **Supplemental Figure 2**.

86 *Decitabine Study-Functional Inhibition of Methylation in Dahl SS rats.*

87 *Blood Pressure and Renal Disease Phenotyping.* Under a deep anesthesia via isoflurane, 7-week
88 old male SS/MCW rats were instrumented with carotid catheter radio telemeters (DSI Sciences
89 International, St. Paul, MN) for continuous measurement of mean arterial pressure (MAP) as
90 previously described [11, 12]. Animals were treated with analgesics (0.3mg/kg Buprenorphine SR)
91 and antibiotics (25mg/kg Cefazolin) after implementation of radio telemeters. Upon recovery,
92 MAP was continuously measured for 7 days as the low salt period (0.4% NaCl). Before switching
93 animals to a high salt diet (HS, 4.0% NaCl), animals were divided into two experimental groups:
94 one receiving a DNA methyltransferase inhibitor (decitabine) at 5mg/kg at high salt days 0, 3, 5
95 and 7 and one group receiving vehicle (saline) at the same time points via intraperitoneal injections.
96 MAP was continuously measured through the 2-week HS challenge. Similarly, low salt controls
97 (LS-vehicle and LS-decitabine, n=5-7/ group) were subjected to the same experimental protocol
98 except these groups were maintained on a low salt diet throughout the study. The injections were
99 administered before 10 am on each specified day, and the intraperitoneal injection of vehicle or
100 decitabine led to no discernable acute change in blood pressure. In addition to the MAP
101 phenotype, overnight urine collections were performed just prior to the HS challenge for the
102 baseline measurements of renal damage, as well as at HS days 7 and 14. Low salt controls were
103 placed in metabolic cages at the same time points as the experimental groups switched to a high
104 salt diet. Urine albumin excretion was quantified with a fluorescent assay that utilized Albumin
105 Blue 580 dye (Molecular Probes) and a fluorescent plate reader (FL600, Bio-Tek). Urine protein
106 excretion was quantified utilizing Weichselbaum's biuret reagent and an autoanalyzer (Alfa,
107 Wasserman).

108 *Histological Analysis, Kidney Immune Cell Isolation and Flow Cytometry.* All procedures were
109 performed as previously described [11]. Briefly, animals were deeply anesthetized under
110 isoflurane and the aorta was catheterized for blood collection and flushing kidneys with
111 heparinized dPBS. Then kidneys were excised with the right kidney collected for histological
112 analysis and the left kidney collected for flow cytometric analysis of infiltrating immune cells. The
113 right kidneys were fixed in 10% paraformaldehyde, paraffin embedded, cut in 4- μ m sections,
114 mounted, and stained with Masson's Trichrome stain. Slides were then scanned using Nikon
115 CoolScan, and the outer medullary protein cast area percentage was calculated by color inclusion
116 utilizing MetaMorph software. Glomerular injury was assessed by assigning >40 glomeruli/kidney
117 scores on a scale of 1 to 4 based on glomerulosclerosis and mesangial expansion [13]. The left
118 kidneys were minced and incubated in RPMI 1640 media containing L-glutamine, HEPES,
119 collagenase type IV, and DNase. Infiltrating renal immune cells were isolated by Percoll density
120 gradient centrifugation and washed then counted on a hemocytometer. Mononuclear cells were
121 incubated with extracellular markers anti-CD45 (BioLegend, #202214, Clone OX-1) for
122 leukocytes, anti-CD3 (eBioscience, #46-0030-82, Clone G4.18), anti-CD4 (BioLegend, #201518,
123 Clone W3/25), and anti-CD8 (BioLegend, #201703, Clone OX-8) for T-cells, anti-CD45R (BD
124 Bioscience, #554881, Clone HIS24) for B-cells, anti-CD11b/c (eBioscience, #50-0110-82, Clone

125 OX-42) for monocytes/macrophages. All cells were analyzed by flow cytometry (LSRII, Becton
126 Dickinson) with FACSDIVA software (Becton Dickinson) and FlowJo software (Tree Star).

127 *Confirmation of Efficacy of Decitabine in T-Cells.* To confirm the demethylating properties of
128 decitabine, T-cells were isolated from the blood utilizing rat Pan T-Cell Microbeads and MACS
129 Columns for magnetic cell isolation (Miltenyi Biotech). DNA was extracted from the T-cells via
130 PureLink Genomic DNA Mini Kit (Invitrogen) to measure the percentage of methylation utilizing
131 a colorimetric assay per the manufacturer's instructions (EpiGentek).

132 *Statistical Analysis.* Differential expression of genes and DMRs were identified using false
133 discovery rate <0.05 by the Benjamini-Hochberg method. For all other statistical tests, a p-value
134 <0.05 was considered significant. A chi-squared test was used to assess association between DNA
135 methylation and gene expression as well as to test differences in proportions in methylation
136 regions. Fischer's exact test was used to test the overlap between methylation and expression gene
137 lists. A two-sample student's T test was used to test difference between two groups. Two-way
138 repeated measures ANOVA with a Holm-Sidak post-hoc test was used for blood pressure and
139 urinary albumin and protein data. Phenotype data in Figures 5 and 6 are expressed as the mean \pm
140 the standard error of the mean.

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- 143 1. Abais-Battad Justine, M., et al., *Dietary Effects on Dahl Salt-Sensitive Hypertension, Renal*
144 *Damage, and the T Lymphocyte Transcriptome.* Hypertension, 2019. **74**(4): p. 854-863.
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146 *sensitive hypertension and renal disease.* American journal of physiology. Renal
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149 *monozygotic twins are different between male and female pairs.* BMC medical genomics,
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152 *identifies extensive sex- and immune cell-specific differentially methylated regions.*
153 *Epigenetics*, 2015. **10**(10): p. 943-957.
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159 *Dahl S Rats.* Hypertension, 2014. **63**(4): p. 827-838.
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161 *under different storage durations and conditions.* 2018. **10**(6): p. 797-811.
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163 *Bisulfite-Seq applications.* Bioinformatics, 2011. **27**(11): p. 1571-1572.
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165 *from bisulfite sequencing data.* Genome research, 2016. **26**(2): p. 256-262.
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167 *exacerbate high protein-induced hypertension and renal injury.* 2018. **315**(1): p. R28-R35.
 - 168 12. Abais-Battad Justine, M., *Dietary Effects on Dahl Salt-Sensitive Hypertension, Renal*
169 *Damage, and the T Lymphocyte Transcriptome.* Hypertension, 2019.

- 170 13. Fehrenbach, D.J., et al., *Salt-sensitive increase in macrophages in the kidneys of Dahl SS*
171 *rats*. *Am J Physiol Renal Physiol*, 2019. **317**(2): p. F361-F374.

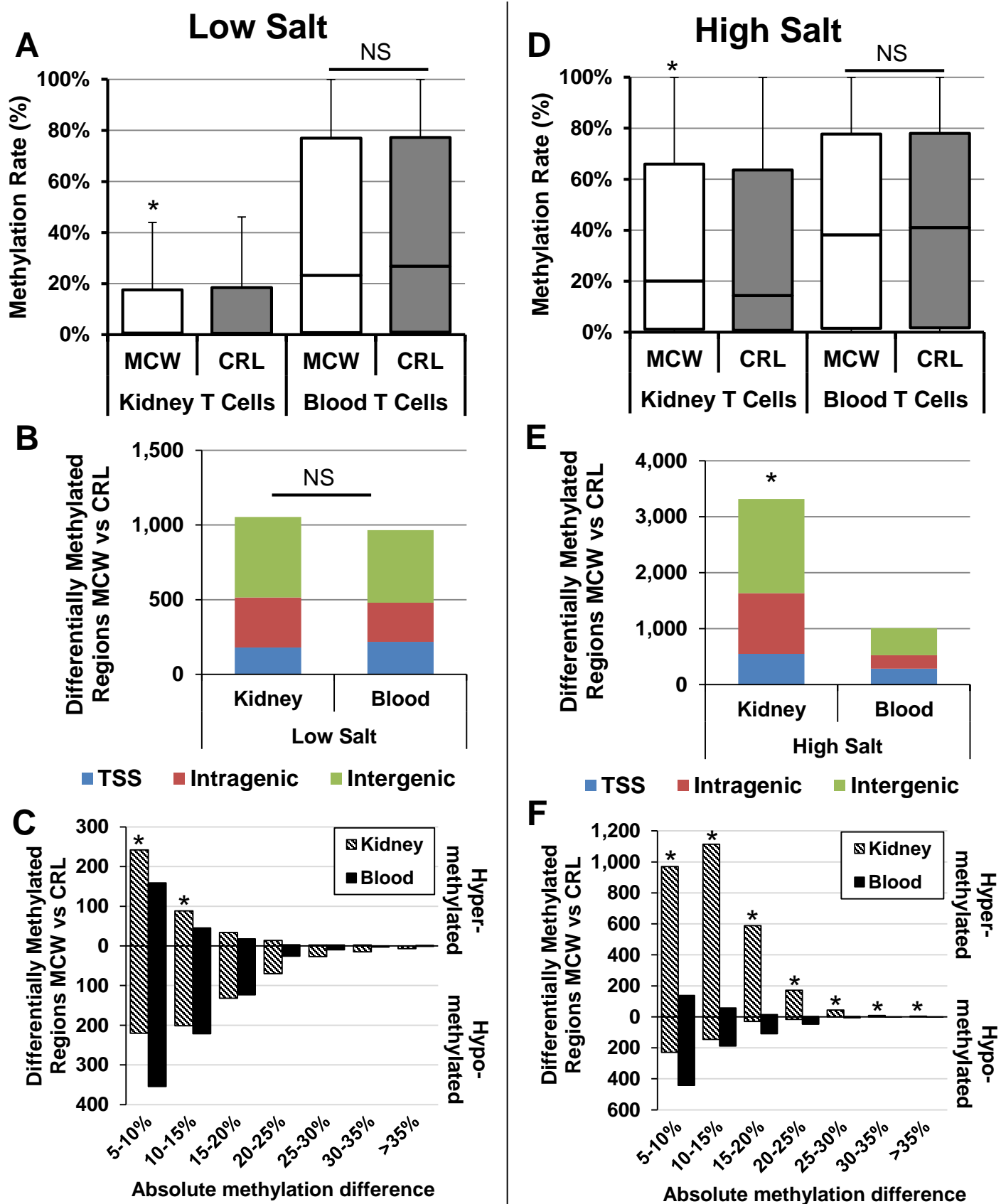


Figure S1. SS/MCW Kidney T-cells have higher methylation rates than SS/CRL on HS. Summary of the methylated differences between SS/MCW and SS/CRL T cells both on (A-C) low salt diet and on (D-F) high salt diet. Panels A, C show the overall methylation rate of all the identified methylation regions. Panels B, E show the number of DMRs separated by genomic location. Panels C, F show the number of DMRs that were either hypermethylated or hypomethylated and their absolute methylation difference. $*=p<0.05$

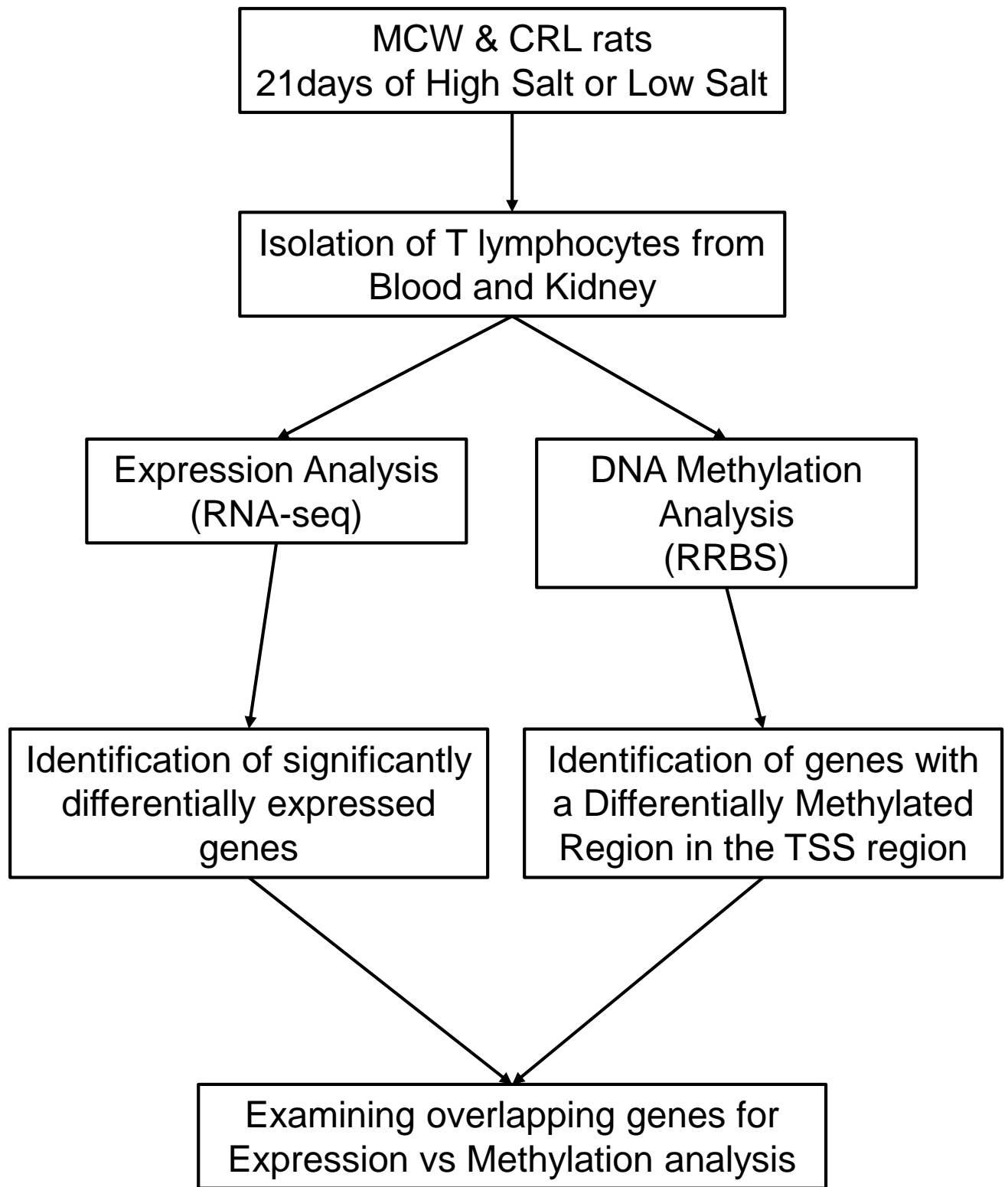


Figure S2. Schematic of the approach taken to identify the relationship between gene expression and methylation profile.

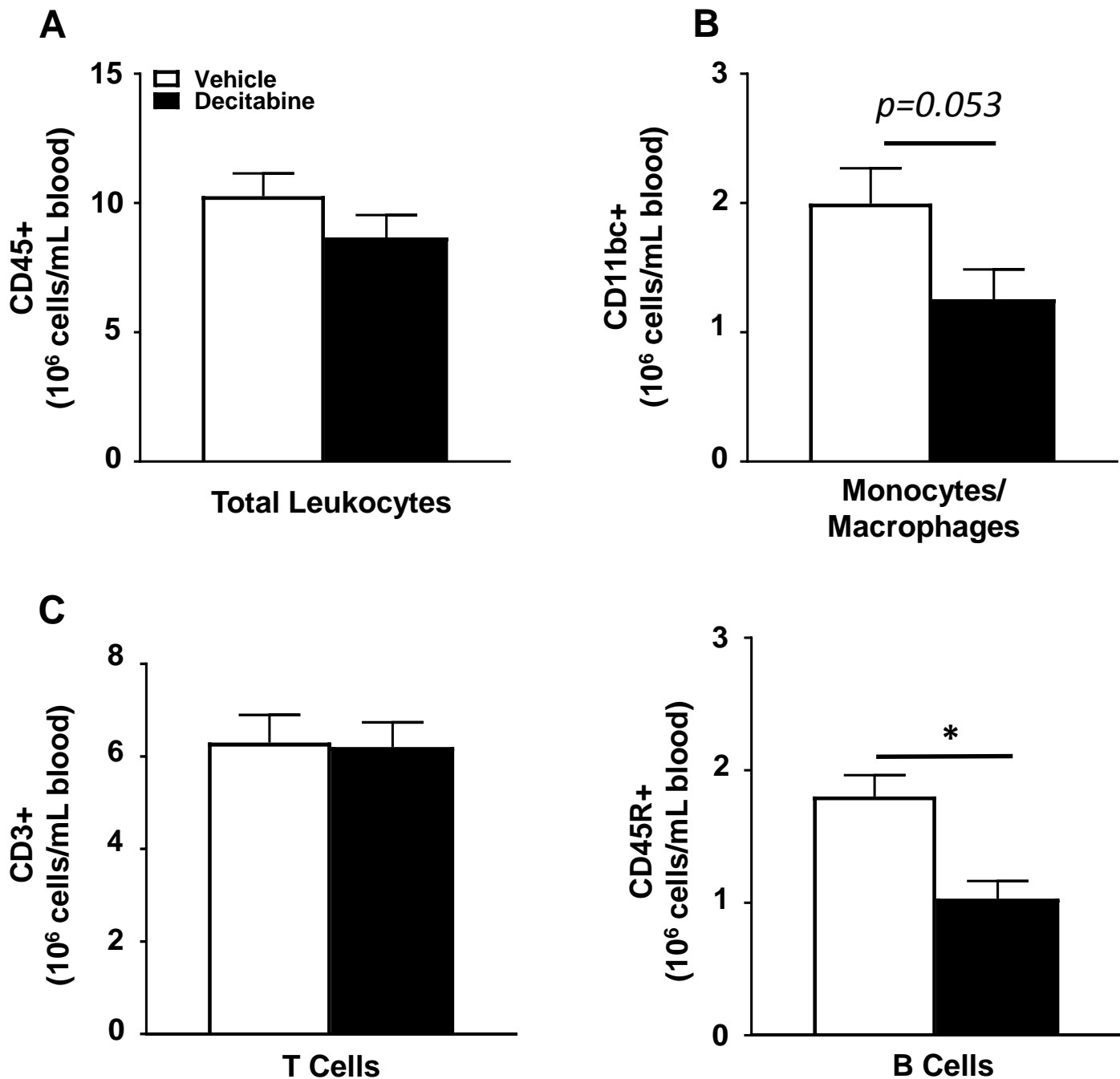


Figure S3. Circulating immune cell profile following decitabine administration in Dahl SS rats. (A) Total leukocytes circulating in the blood (CD45+). (B) Circulating monocytes and macrophages in the blood (CD11bc+). (C) Circulating T cells in the blood (CD3+ T cells) (D) Circulating B cells in the blood (CD45R+ B cells).

Figure2A Kidney MCW

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	767170	767274	1	-0.14635	12	1.30E-07	5.30E-06	0.18729	0.33364	2.11E-06	Intergenic	NA	NA
1	3244007	3244073	1	-0.145121	9	7.40E-06	0.0019	0.3239	0.46902	6.09E-05	Intergenic	NA	NA
1	3639083	3639207	1	-0.214359	7	9.20E-08	3.80E-06	0.35552	0.56988	1.63E-06	Intragenic	NM_001107469	Zc3h12d
1	3666869	3666899	1	-0.089891	5	0.0087	0.0092	0.14709	0.23698	0.020391633	Intragenic	NM_001107469	Zc3h12d
1	3667124	3667332	3.30E-05	-0.144489	17	1.40E-13	1.00E-10	0.099408	0.2439	1.41E-11	Intragenic	NM_001107469	Zc3h12d
1	4480958	4480978	1	-0.056191	5	0.00019	0.0032	0.87952	0.93572	0.000879857	Intergenic	NA	NA
1	6228429	6228539	1	-0.097444	5	0.019	0.038	0.33481	0.43225	0.038322088	Intergenic	NA	NA
1	6816650	6816704	1	-0.059907	9	6.40E-08	4.40E-05	0.03624	0.096148	1.19E-06	TSS	NM_001114330:NM_017011	Grm1:Grm1
1	7075548	7075621	1	-0.094592	5	0.017	0.024	0.61427	0.70887	0.034796287	Intergenic	NA	NA
1	7438777	7438939	1	-0.122557	7	0.0046	0.0043	0.47482	0.59738	0.012157071	Intergenic	NA	NA
1	7772969	7773274	1	0.113252	5	0.011	0.025	0.81382	0.70056	0.02463877	Intergenic	NA	NA
1	8830123	8830272	1	-0.117654	7	8.40E-05	0.00049	0.1321	0.24975	0.000451848	Intergenic	NA	NA
1	8830716	8830980	2.10E-07	-0.247256	20	4.40E-14	6.50E-13	0.080113	0.32737	6.64E-12	Intergenic	NA	NA
1	8857008	8857175	3.60E-09	-0.112716	21	9.00E-09	1.10E-14	0.16258	0.2753	2.28E-07	TSS	NM_012760	Plagl1
1	8857179	8857233	0.0058	-0.321421	5	6.30E-08	1.80E-08	0.21963	0.54105	1.18E-06	TSS	NM_012760	Plagl1
1	8857273	8857320	1	-0.145797	5	0.0012	0.0018	0.18529	0.33109	0.004013471	TSS	NM_012760	Plagl1
1	9066361	9066523	1	-0.122986	7	0.0051	0.0067	0.47418	0.59717	0.013208341	Intragenic	NM_214458	Phactr2
1	9083987	9084180	1	-0.080621	5	0.00014	0.00014	0.010337	0.090957	0.000684451	Intragenic	NM_214458	Phactr2
1	9374234	9374338	1	-0.091481	5	0.019	0.038	0.59836	0.68984	0.038322088	Intergenic	NA	NA
1	9452065	9452138	1	-0.212149	5	0.0013	0.039	0.54695	0.7591	0.004277683	Intragenic	NM_001134425	Aig1
1	9541092	9541270	1	-0.15658	8	0.00043	0.0026	0.21343	0.37001	0.001736911	Intragenic	NM_001134425	Aig1
1	9775402	9775473	1	-0.135699	5	0.008	0.038	0.62294	0.75864	0.019059477	Intragenic	NM_024137	Hivep2
1	9905814	9905958	1	-0.174112	6	8.90E-05	0.00096	0.10981	0.28392	0.000471983	Intragenic	NM_024137	Hivep2
1	10081520	10081650	1	-0.089962	5	0.0038	0.025	0.58398	0.67395	0.010352437	Intergenic	NA	NA
1	10084363	10084410	1	-0.283779	5	5.50E-06	7.10E-05	0.12843	0.41221	4.78E-05	Intergenic	NA	NA
1	11575343	11575454	1	-0.070494	5	0.0063	0.025	0.83465	0.90515	0.015629046	Intergenic	NA	NA
1	12878953	12879035	1	-0.162498	5	0.021	0.038	0.43774	0.60023	0.041207871	Intergenic	NA	NA
1	13498318	13498339	1	0.075464	5	0.012	0.088	0.22795	0.15249	0.026435197	TSS	NR_046238	Rn5-8s
1	13498489	13498505	1	-0.265782	5	0.0011	0.00097	0.19086	0.45664	0.003737263	TSS	NR_046238	Rn5-8s
1	13500695	13500723	1	0.118756	5	2.80E-05	0.00097	0.2396	0.12084	0.000182174	TSS	NR_046238	Rn5-8s
1	13502046	13502068	1	-0.051451	5	0.0087	0.088	0.16206	0.21351	0.020391633	TSS	NR_046238	Rn5-8s
1	13503361	13503592	0.43	-0.0594	34	2.10E-09	1.30E-06	0.099522	0.13316	6.26E-08	Intragenic	NM_001025002	LOC310926
1	13503593	13503615	1	-0.056171	5	0.00019	0.00014	0.1031	0.15927	0.000879857	Intragenic	NM_001025002	LOC310926
1	13503834	13503846	1	0.069168	5	0.0074	0.088	0.2414	0.17224	0.017853001	Intragenic	NM_001025002	LOC310926
1	13504792	13505140	1	0.090981	55	0.0035	0.087	0.10539	0.1127	0.009686665	Intragenic	NM_001025002	LOC310926

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	13506442	13506522	1	-0.066236	5	0.0017	0.025	0.069404	0.13564	0.005339493	TSS	NM_001025002	LOC310926
1	13506525	13506563	1	-0.053968	5	0.00044	0.015	0.053812	0.10778	0.001760146	TSS	NM_001025002	LOC310926
1	13506569	13506607	1	-0.063679	5	0.00065	0.0018	0.049561	0.11324	0.002426546	TSS	NM_001025002	LOC310926
1	13507619	13507760	0.0022	-0.12238	13	1.30E-08	6.70E-09	0.10069	0.22307	3.10E-07	TSS	NM_001025002	LOC310926
1	13508203	13508226	1	-0.067068	5	0.0017	0.038	0.062833	0.1299	0.005339493	TSS	NM_001025002	LOC310926
1	13508240	13508270	1	-0.050457	5	0.0014	0.015	0.060002	0.11046	0.004540837	TSS	NM_001025002	LOC310926
1	13510443	13510550	1	-0.101442	7	1.30E-05	0.00029	0.074704	0.17615	9.66E-05	Intergenic	NA	NA
1	13550441	13550606	1	-0.09593	9	8.60E-07	2.90E-05	0.089411	0.18534	1.04E-05	Intergenic	NA	NA
1	13553609	13553656	1	-0.067058	5	0.0012	7.00E-05	0.091151	0.15821	0.004013471	Intergenic	NA	NA
1	13554549	13556936	1	-0.051342	318	8.60E-07	0.00036	0.1199	0.14247	1.04E-05	Intergenic	NA	NA
1	13557363	13557558	1	-0.054206	21	0.00088	0.0012	0.098338	0.14284	0.003092094	TSS	NR_046238	Rn5-8s
1	13558858	13558888	1	0.11868	5	5.60E-05	0.00052	0.25169	0.13301	0.000320912	TSS	NR_046238	Rn5-8s
1	13561167	13561188	1	0.089547	5	0.0035	0.088	0.24302	0.15347	0.009686665	TSS	NR_046238	Rn5-8s
1	13562762	13563006	1	0.113744	34	0.0039	0.059	0.12719	0.094013	0.010605635	Intergenic	NA	NA
1	13563364	13563381	1	-0.088436	5	0.023	0.058	0.20929	0.29772	0.04441443	Intergenic	NA	NA
1	14560556	14560682	1	-0.129856	8	0.025	0.16	0.36572	0.49558	0.047453009	Intergenic	NA	NA
1	14663587	14663679	1	-0.127401	5	0.00036	0.0031	0.4247	0.5521	0.001486639	Intergenic	NA	NA
1	14663794	14663967	1	-0.093893	5	0.00088	0.009	0.70526	0.79916	0.003092094	Intergenic	NA	NA
1	14934859	14935061	1	-0.151441	8	1.10E-05	5.40E-05	0.52205	0.67349	8.53E-05	Intergenic	NA	NA
1	15280155	15280209	1	-0.1065	5	0.016	0.057	0.28705	0.39355	0.033288089	Intergenic	NA	NA
1	15326877	15326959	1	-0.194565	5	0.0022	0.0055	0.31982	0.51438	0.006578104	Intergenic	NA	NA
1	15383780	15383891	1	-0.241138	5	0.00036	0.0054	0.36056	0.60169	0.001486639	Intergenic	NA	NA
1	15383911	15384062	0.45	-0.200772	8	2.70E-09	1.40E-06	0.19721	0.39798	7.80E-08	Intergenic	NA	NA
1	15635408	15635825	1	-0.248423	10	0.00053	0.011	0.30401	0.55243	0.002069204	Intergenic	NA	NA
1	16125979	16126112	1	-0.120722	6	0.0013	0.026	0.54719	0.66791	0.004277683	Intergenic	NA	NA
1	16323616	16323817	1	-0.089686	5	0.025	0.038	0.074528	0.16421	0.047453009	Intergenic	NA	NA
1	16383995	16384026	1	-0.177046	6	0.0065	0.026	0.50441	0.68145	0.016085358	Intergenic	NA	NA
1	16965273	16965313	0.015	-0.298847	5	1.30E-07	4.50E-08	0.079381	0.37823	2.11E-06	Intragenic	NM_001277694	Map3k5
1	17146640	17146696	1	-0.202734	5	1.30E-05	6.90E-05	0.23461	0.43734	9.66E-05	Intragenic	NM_001277694	Map3k5
1	17223525	17223666	1	-0.167536	5	2.20E-06	3.50E-05	0.025758	0.19329	2.27E-05	Intragenic	NM_001106270	Map7
1	17228239	17228337	1	-0.144432	5	0.014	0.13	0.27126	0.4157	0.029850603	Intragenic	NM_001106270	Map7
1	17240671	17240730	1	-0.103889	5	0.00014	0.00098	0.082304	0.18619	0.000684451	Intragenic	NM_001106270	Map7
1	17240735	17240851	1	-0.068324	5	0.02	0.18	0.087238	0.15556	0.039778219	Intragenic	NM_001106270	Map7
1	17262219	17262322	1	-0.145872	8	0.0064	0.012	0.65746	0.80333	0.015860755	Intragenic	NM_001106270:N M_001198638	Map7:Map7
1	17278177	17278239	1	-0.268031	6	8.40E-06	2.50E-05	0.10426	0.37229	6.80E-05	Intragenic	NM_001106270:N M_001198638	Map7:Map7
1	17280945	17281146	1	-0.170177	7	6.40E-05	0.0013	0.18524	0.35542	0.000358884	Intragenic	NM_001106270:N M_001198638	Map7:Map7

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	17582799	17582851	1	-0.124893	5	0.011	0.039	0.15242	0.27731	0.02463877	Intragenic	NM_080894	Pde7b
1	18070095	18070169	1	-0.20256	5	0.011	0.0089	0.23963	0.44219	0.02463877	Intragenic	NM_001191088	Aldh8a1
1	18191906	18192005	1	-0.116465	5	0.0027	0.024	0.75813	0.8746	0.007840962	Intergenic	NA	NA
1	19441594	19441779	1	-0.322385	5	1.30E-05	7.10E-05	0.10289	0.42527	9.66E-05	Intragenic	NM_001029902	Ptprk
1	20901081	20901174	1	-0.103992	6	0.013	0.16	0.2999	0.40389	0.028097302	Intergenic	NA	NA
1	21277446	21277557	1	-0.141251	5	0.02	0.024	0.48829	0.62954	0.039778219	Intergenic	NA	NA
1	21658953	21659049	1	-0.157616	5	0.0011	0.0089	0.55645	0.71407	0.003737263	Intergenic	NA	NA
1	21673781	21673938	1	-0.110979	5	0.0019	0.024	0.091637	0.20262	0.005855937	Intergenic	NA	NA
1	21731010	21731135	1	-0.133032	5	5.60E-05	0.00095	0.57878	0.71181	0.000320912	Intergenic	NA	NA
1	22345856	22346008	0.015	-0.2138	9	3.10E-10	4.60E-08	0.58091	0.79471	1.21E-08	Intragenic	NM_001195606	Smlr1
1	22351848	22351911	1	-0.116789	7	0.001	0.0033	0.20315	0.31993	0.003452169	Intragenic	NM_001195606	Smlr1
1	22352353	22352505	0.015	-0.210915	9	3.80E-10	4.60E-08	0.58338	0.7943	1.44E-08	Intragenic	NM_001195606	Smlr1
1	22452305	22452413	1	-0.262628	5	1.20E-05	6.80E-05	0.085962	0.34859	9.15E-05	Intergenic	NA	NA
1	23333380	23333534	1	-0.078827	5	0.023	0.088	0.08379	0.16262	0.04441443	TSS	NM_022266	Ctgf
1	24156790	24156824	1	-0.148068	5	7.40E-07	3.30E-05	0.76684	0.91491	9.26E-06	Intergenic	NA	NA
1	25542346	25542443	1	-0.081213	5	3.10E-05	0.00098	0.046307	0.12752	0.000197418	Intergenic	NA	NA
1	25653669	25653689	1	-0.286027	5	9.80E-05	0.00053	0.21436	0.50038	0.000512474	Intragenic	NM_019232:NM_001193568:NM_001193569	Sgk1:Sgk1:Sgk1
1	25674987	25675164	0.067	-0.203419	11	2.20E-09	2.10E-07	0.16312	0.36654	6.51E-08	Intergenic	NA	NA
1	25725842	25726069	0.0018	-0.146064	11	1.30E-11	5.60E-09	0.030027	0.17609	7.23E-10	Intergenic	NA	NA
1	25796809	25796872	1	-0.116789	7	0.001	0.0033	0.20315	0.31993	0.003452169	Intergenic	NA	NA
1	25906068	25906129	1	-0.238146	5	1.20E-05	0.00028	0.1655	0.40365	9.15E-05	Intergenic	NA	NA
1	26488686	26488795	1	-0.133672	5	0.0058	0.058	0.42936	0.56303	0.014624129	Intergenic	NA	NA
1	26519931	26520040	1	-0.133672	5	0.0058	0.058	0.42936	0.56303	0.014624129	Intergenic	NA	NA
1	26768536	26768661	1	-0.103677	9	0.015	0.012	0.55216	0.65584	0.031584896	Intergenic	NA	NA
1	27413007	27413103	1	-0.145407	5	0.00044	0.0031	0.61167	0.75708	0.001760146	Intergenic	NA	NA
1	32872113	32872135	0.088	-0.339479	5	1.50E-07	2.70E-07	0.345	0.68448	2.38E-06	Intergenic	NA	NA
1	33161884	33161922	1	-0.191746	5	0.00097	0.0088	0.41487	0.60661	0.003366009	Intragenic	NM_012654	Slc9a3
1	33512372	33512447	1	-0.251661	5	2.20E-05	0.00027	0.18712	0.43878	0.000149617	Intragenic	NM_001013144	Slc12a7
1	34189748	34189999	1	-0.149937	14	2.70E-05	0.0014	0.24383	0.39377	0.000178372	Intergenic	NA	NA
1	34598338	34598430	1	-0.184395	5	0.00048	0.0093	0.13619	0.32058	0.001881331	Intergenic	NA	NA
1	35323384	35323527	1	-0.067383	7	0.0014	0.0078	0.059057	0.12644	0.004540837	Intragenic	NM_001107331	Irx1
1	35324703	35324915	1	-0.069308	12	6.30E-05	0.0025	0.083367	0.15268	0.000354102	Intragenic	NM_001107331	Irx1
1	35513011	35513262	1	-0.15468	7	0.001	0.018	0.32405	0.47873	0.003452169	Intergenic	NA	NA
1	39250445	39250568	1	-0.15504	5	0.00021	0.00095	0.50399	0.65903	0.000951214	Intergenic	NA	NA
1	41999580	41999707	1	-0.212158	5	0.0014	0.015	0.46866	0.68082	0.004540837	Intragenic	NM_001108462	Mthfd1l
1	42161533	42161693	1	-0.119153	7	9.20E-08	3.00E-05	0.11853	0.23768	1.63E-06	TSS	NM_057103	Akap12
1	42667054	42667104	1	-0.097089	5	0.0019	0.025	0.10381	0.2009	0.005855937	TSS	NM_012689	Esrr1

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	42670542	42670793	1	-0.081628	8	0.0078	0.12	0.11054	0.19217	0.018765285	Intragenic	NM_012689	Esr1
1	43150943	43151019	1	-0.23016	5	0.00023	0.0055	0.27875	0.50891	0.00102405	Intergenic	NA	NA
1	43214532	43214890	1	-0.126371	13	5.20E-06	0.0022	0.59625	0.72262	4.61E-05	Intergenic	NA	NA
1	43490326	43490903	1	-0.111046	10	0.0002	0.0028	0.61465	0.72569	0.00092049	Intergenic	NA	NA
1	45053897	45053991	1	-0.136688	5	0.0045	0.059	0.19614	0.33283	0.011905878	Intergenic	NA	NA
1	45159752	45159977	1	-0.181859	5	0.00017	0.0018	0.05878	0.24064	0.000806192	Intragenic	NM_001012061	Cnksr3
1	46179682	46179878	1	-0.130599	7	0.0072	0.078	0.21194	0.34254	0.017539509	Intergenic	NA	NA
1	47528590	47528855	1	-0.107049	8	0.00026	0.025	0.072066	0.17912	0.001130807	Intergenic	NA	NA
1	47606603	47606663	1	-0.053315	5	0.021	0.059	0.89184	0.94516	0.041207871	Intergenic	NA	NA
1	48004868	48004944	1	-0.259914	5	0.00014	0.0092	0.27155	0.53147	0.000684451	Intergenic	NA	NA
1	48155592	48155834	1	-0.182628	5	0.00036	0.0018	0.12593	0.30856	0.001486639	Intragenic	NM_032071:NM_001113371:NM_001113372	Synj2:Synj2:Synj2
1	48217567	48217697	1	-0.229613	5	1.00E-05	7.60E-06	0.18651	0.41612	7.82E-05	Intragenic	NM_032071:NM_001113371:NM_001113372	Synj2:Synj2:Synj2
1	48534287	48534586	1	-0.175148	15	1.10E-06	0.00057	0.29754	0.47269	1.27E-05	TSS	NM_001127560	Syt13
1	48840313	48840429	1	-0.122823	5	0.0058	0.038	0.22582	0.34864	0.014624129	Intergenic	NA	NA
1	48880760	48880856	1	-0.127725	5	0.00048	0.0053	0.63746	0.76518	0.001881331	Intergenic	NA	NA
1	48951992	48952085	1	-0.191506	5	1.30E-05	0.00028	0.34916	0.54067	9.66E-05	Intragenic	NM_001038615	Fndc1
1	50655421	50655535	1	-0.098041	8	0.00072	0.013	0.16234	0.26039	0.002634665	Intragenic	NM_020093	Park2
1	50756153	50756353	0.033	-0.218701	11	6.60E-10	1.00E-07	0.20563	0.42433	2.31E-08	Intragenic	NM_020093	Park2
1	51077830	51077890	1	-0.323916	5	2.20E-05	1.60E-05	0.14131	0.46523	0.000149617	Intragenic	NM_001107456	Map3k4
1	51547489	51547803	2.70E-10	-0.123851	25	6.50E-14	8.30E-16	0.073723	0.19757	7.58E-12	Intragenic	NM_012756	Igf2r
1	51576787	51577357	4.30E-20	-0.136557	74	4.00E-14	1.30E-25	0.1406	0.27715	6.64E-12	TSS	NM_012756	Igf2r
1	51754816	51754840	1	-0.19296	5	5.60E-05	0.00051	0.31858	0.51153	0.000320912	Intergenic	NA	NA
1	52028102	52028397	1	-0.056768	8	0.00019	0.001	0.074578	0.13135	0.000879857	Intergenic	NA	NA
1	53762155	53762204	1	-0.231483	5	6.30E-06	0.00052	0.27235	0.50383	5.33E-05	Intragenic	NM_022236	Pde10a
1	54944691	54944899	1	-0.144576	8	0.00025	0.0024	0.60426	0.74884	0.001103692	Intergenic	NA	NA
1	55087402	55087629	1	-0.160235	7	0.00014	9.10E-05	0.11227	0.2725	0.000684451	Intergenic	NA	NA
1	55165530	55165679	1	-0.184074	8	2.80E-05	0.0036	0.15016	0.33424	0.000182174	Intergenic	NA	NA
1	55637644	55637685	1	-0.183008	5	0.0013	0.00097	0.4521	0.63511	0.004277683	Intergenic	NA	NA
1	55637762	55637802	1	-0.111366	5	0.0049	0.037	0.39586	0.50723	0.012753585	Intergenic	NA	NA
1	55638780	55638842	1	-0.208292	7	4.50E-05	0.00048	0.37087	0.57916	0.000268503	Intergenic	NA	NA
1	55638919	55638959	1	-0.111366	5	0.0049	0.037	0.39586	0.50723	0.012753585	Intergenic	NA	NA
1	55662609	55662686	1	-0.152328	8	1.30E-06	0.00015	0.20736	0.35969	1.46E-05	Intergenic	NA	NA
1	55663352	55663499	1	-0.195673	7	5.60E-06	0.00049	0.2536	0.44928	4.84E-05	Intergenic	NA	NA
1	57362554	57362588	1	-0.06274	5	3.50E-05	3.40E-05	0.029208	0.091948	0.000218038	TSS	NM_001107464	Dact2
1	57362767	57362803	1	0.061555	5	0.0014	0.0032	0.097764	0.036208	0.004540837	TSS	NM_001107464	Dact2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	57363815	57363938	1	-0.178979	7	9.60E-07	2.90E-05	0.079559	0.25854	1.15E-05	TSS	NM_001107464	Dact2
1	57434196	57434248	1	-0.050029	5	0.00026	0.00098	0.0252	0.075228	0.001130807	TSS	NM_001106215	Smoc2
1	58133603	58133770	1	-0.069458	11	5.80E-05	0.00019	0.0123	0.081759	0.000331425	TSS	NM_001103356	LOC100125364
1	58227338	58227414	1	-0.206462	5	0.00029	0.0092	0.11393	0.3204	0.001239307	Intergenic	NA	NA
1	58725548	58725741	1	-0.11862	5	0.0019	0.024	0.026736	0.14536	0.005855937	Intergenic	NA	NA
1	58745610	58745711	1	-0.112255	8	4.50E-05	0.0026	0.15432	0.26658	0.000268503	Intergenic	NA	NA
1	60402119	60402200	1	-0.126217	5	0.0058	0.038	0.6126	0.73882	0.014624129	Intergenic	NA	NA
1	60623856	60624147	1	-0.131288	17	6.80E-05	0.00054	0.28296	0.41425	0.000379896	TSS	NR_031857:NR_031805:NR_037379:NR_031868:NM_001135720	Mir99b:Mirlet7e:Mir3596c:Mir125a:LOC688452
1	61419247	61419358	1	-0.273419	5	2.50E-06	6.60E-05	0.53632	0.80974	2.52E-05	Intergenic	NA	NA
1	61419385	61419494	0.24	-0.25837	12	1.50E-09	7.30E-07	0.18617	0.44454	4.72E-08	Intergenic	NA	NA
1	63031587	63031615	1	-0.095729	5	0.014	0.015	0.74161	0.83734	0.029850603	Intragenic	NM_001134978:NM_001313940	Mboat7:Mboat7l1
1	63099914	63099942	1	-0.095729	5	0.014	0.015	0.74161	0.83734	0.029850603	Intragenic	NM_001134978:NM_001313940	Mboat7:Mboat7l1
1	63155799	63155860	1	-0.109269	8	6.70E-05	0.0026	0.28619	0.39546	0.000375356	TSS	NM_001106219:NM_138870	Prpf31:Tfpt
1	63313712	63313758	1	0.051421	5	0.0053	0.015	0.052227	0.00080665	0.013591571	TSS	NM_080694	Cacng6
1	63547610	63547666	3.40E-05	-0.321731	7	1.10E-09	1.00E-10	0.30673	0.62846	3.60E-08	Intergenic	NA	NA
1	63548184	63548519	1	-0.086252	18	0.01	0.038	0.58055	0.66681	0.02275947	Intergenic	NA	NA
1	64322328	64322382	1	-0.080641	5	0.00014	6.80E-05	0.7303	0.81094	0.000684451	Intergenic	NA	NA
1	64322403	64322448	1	-0.127862	5	0.0063	0.13	0.41843	0.54629	0.015629046	Intergenic	NA	NA
1	64322510	64322559	1	-0.217655	5	1.90E-06	0.00014	0.1258	0.34346	2.01E-05	Intergenic	NA	NA
1	64391697	64391735	1	-0.064315	5	0.017	0.0091	0.77035	0.83467	0.034796287	Intergenic	NA	NA
1	64504012	64504066	1	-0.081245	5	0.00012	3.30E-05	0.72937	0.81061	0.000603617	Intragenic	NM_001099488	Vom2r12
1	64504087	64504132	1	-0.130779	5	0.0049	0.13	0.41392	0.5447	0.012753585	Intragenic	NM_001099488	Vom2r12
1	64504194	64504243	1	-0.219064	5	2.50E-06	7.00E-05	0.1249	0.34396	2.52E-05	Intragenic	NM_001099488	Vom2r12
1	65590568	65590724	0.11	-0.303547	10	2.00E-09	3.40E-07	0.17456	0.47811	6.02E-08	Intergenic	NA	NA
1	66343156	66343207	1	-0.067596	5	0.013	0.088	0.080826	0.14842	0.028097302	Intragenic	NM_001108470	Mzf1
1	66343239	66343331	1	-0.074205	7	0.012	0.027	0.16577	0.23998	0.026435197	Intragenic	NM_001108470	Mzf1
1	66584194	66584322	0.065	-0.272057	11	6.00E-11	2.00E-07	0.23852	0.51058	2.79E-09	Intergenic	NA	NA
1	68161497	68161540	1	-0.127187	6	0.0065	0.011	0.81608	0.94327	0.016085358	Intragenic	NM_147135	Sbk1
1	70537351	70537407	0.00019	-0.3252	7	2.80E-10	5.70E-10	0.30326	0.62846	1.12E-08	Intergenic	NA	NA
1	70537925	70537994	1	-0.119336	5	0.017	0.0054	0.57498	0.69432	0.034796287	Intergenic	NA	NA
1	70538108	70538185	1	-0.170679	5	0.0058	0.039	0.53075	0.70143	0.014624129	Intergenic	NA	NA
1	70784511	70784642	1	0.15783	5	0.0041	0.085	0.85987	0.70204	0.01100507	Intragenic	NM_001106220	Nlrp4a

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	70794431	70794568	1	-0.106514	5	0.008	0.015	0.62465	0.73116	0.019059477	Intragenic	NM_001106220	Nlrp4a
1	70870550	70870595	1	0.205634	5	0.023	0.18	0.6542	0.44857	0.04441443	Intergenic	NA	NA
1	70927517	70927630	5.70E-05	-0.151246	12	1.80E-12	1.80E-10	0.067478	0.21872	1.31E-10	Intragenic	NM_001099472	Vom2r28
1	71603603	71603642	1	-0.164647	5	0.0016	0.0054	0.27076	0.4354	0.005100053	TSS	NM_001304816	Peg3
1	71777846	71777905	1	-0.165298	5	1.90E-05	7.10E-05	0.1784	0.3437	0.000131674	Intergenic	NA	NA
1	71996222	71996350	1	-0.081885	7	0.0092	0.11	0.75295	0.83484	0.021504843	Intergenic	NA	NA
1	72776330	72776815	2.80E-05	-0.206189	37	4.20E-14	8.50E-11	0.32178	0.52797	6.64E-12	Intragenic	NM_001169143	Zfp444
1	72804225	72804371	1	-0.239709	5	1.50E-06	0.00014	0.15907	0.39878	1.65E-05	Intergenic	NA	NA
1	72812473	72812619	1	-0.231709	5	9.80E-07	7.00E-05	0.16707	0.39878	1.16E-05	Intergenic	NA	NA
1	72838940	72839104	1	-0.154812	5	0.008	0.0093	0.34226	0.49707	0.019059477	Intragenic	NM_001108904	Zfp787
1	73806559	73806616	1	-0.134682	5	0.012	0.18	0.40231	0.53699	0.026435197	Intragenic	NM_001099467	Vom2r30
1	74825805	74826052	1	-0.10838	7	0.024	0.039	0.23871	0.34709	0.046241462	Intragenic	NM_001037790	Leng8
1	74830133	74830497	1	-0.136323	11	1.70E-06	0.00064	0.11658	0.2529	1.83E-05	TSS	NM_001108469	Cdc42ep5
1	75622655	75622701	1	-0.064075	5	1.70E-05	7.00E-05	0.038006	0.10208	0.000120524	Intragenic	NM_001108467	Eps81l
1	75659642	75659748	1	-0.175869	5	0.025	0.086	0.39651	0.57238	0.047453009	Intragenic	NM_001277260:N M_001277261:N M_001277262:N M_134388	Tnnt1:Tnnt1:T nnt1:Tnnt1
1	75825449	75825537	1	-0.12959	5	0.02	0.058	0.22108	0.35067	0.039778219	Intragenic	NM_001127337	Brsk1
1	75897911	75898026	1	-0.053363	7	0.0092	0.027	0.069223	0.12259	0.021504843	TSS	NM_133519	Il11
1	75990970	75990997	1	-0.150163	5	8.80E-05	0.0031	0.20989	0.36005	0.000466886	TSS	NM_001145175	Shisa7
1	76054920	76054988	1	-0.073454	5	0.023	0.024	0.76005	0.83351	0.04441443	Intergenic	NA	NA
1	76076755	76077090	1	-0.176155	5	0.008	0.038	0.23718	0.41333	0.019059477	Intragenic	NM_001134545	Ssc5d
1	76117839	76117974	1	-0.059665	10	0.015	0.091	0.15808	0.21774	0.031584896	Intergenic	NA	NA
1	76227711	76227986	0.0042	-0.241537	12	4.10E-11	1.30E-08	0.10323	0.34477	1.99E-09	TSS	NM_057136	Epn1
1	76231767	76231941	1	-0.158592	5	1.70E-05	1.60E-05	0.031945	0.19054	0.000120524	Intragenic	NM_057136	Epn1
1	76788774	76788946	1	-0.143917	5	0.0087	0.024	0.40998	0.5539	0.020391633	Intergenic	NA	NA
1	76797796	76797968	1	-0.143917	5	0.0087	0.024	0.40998	0.5539	0.020391633	Intergenic	NA	NA
1	79123763	79123786	1	-0.183929	5	0.0019	0.00049	0.54479	0.72872	0.005855937	Intragenic	NM_001024897	Ehd2
1	79320200	79320370	0.012	-0.09683	16	1.20E-11	3.70E-08	0.056607	0.15344	6.71E-10	Intragenic	NM_078619	Slc8a2
1	79450686	79450744	1	-0.162173	5	6.30E-06	7.10E-05	0.062677	0.22485	5.33E-05	Intergenic	NA	NA
1	79684393	79684439	1	-0.158304	5	0.0012	0.025	0.49263	0.65093	0.004013471	Intragenic	NM_001107479	Npas1
1	79793247	79793275	0.015	-0.348263	5	6.30E-08	4.60E-08	0.084972	0.43323	1.18E-06	Intragenic	NM_001271132	Arhgap35
1	79933325	79933505	1	-0.111725	5	0.0068	0.015	0.27963	0.39136	0.016642688	Intergenic	NA	NA
1	79933633	79933711	1	-0.075942	5	0.0058	0.038	0.071479	0.14742	0.014624129	Intergenic	NA	NA
1	79983143	79983259	1	-0.163688	5	0.023	0.18	0.43939	0.60308	0.04441443	Intragenic	NM_001025678	Fkrp
1	80024572	80024672	1	-0.251005	5	2.90E-06	7.10E-05	0.27019	0.5212	2.84E-05	Intragenic	NM_001013895	Prkd2
1	80171696	80171803	1	-0.254513	5	9.80E-07	7.00E-05	0.27097	0.52548	1.16E-05	Intergenic	NA	NA
1	80404516	80404589	1	-0.07003	5	0.0041	0.059	0.75888	0.82891	0.01100507	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	81172858	81172983	0.88	-0.129949	11	2.30E-09	2.70E-06	0.068328	0.19828	6.77E-08	TSS	NM_001107483	Irf2bp1
1	81265649	81265812	1	-0.204857	5	0.0014	0.0093	0.36417	0.56903	0.004540837	Intergenic	NA	NA
1	81362275	81362383	1	-0.207502	5	0.0008	0.0093	0.26543	0.47293	0.002866309	Intragenic	NM_138921	Eml2
1	81435718	81435957	1	-0.123941	13	0.0019	0.033	0.545	0.66894	0.005855937	Intergenic	NA	NA
1	81505583	81505669	1	-0.088434	5	0.0027	0.015	0.06845	0.15688	0.007840962	Intergenic	NA	NA
1	81519412	81519521	1	-0.113947	5	0.00012	0.00098	0.23983	0.35378	0.000603617	Intergenic	NA	NA
1	81585935	81586109	1	-0.176588	5	0.00088	0.0031	0.15691	0.3335	0.003092094	TSS	NM_012530	Ckm
1	81596359	81596477	1	-0.064757	13	4.10E-05	0.0035	0.15886	0.22361	0.000249467	Intragenic	NM_012530	Ckm
1	81640452	81640543	1	-0.136131	5	0.00026	0.0055	0.18741	0.32354	0.001130807	Intergenic	NA	NA
1	81644716	81644922	1	-0.096259	14	1.00E-08	7.20E-05	0.11328	0.20953	2.49E-07	Intergenic	NA	NA
1	81663276	81663394	6.80E-09	-0.122277	13	4.40E-14	2.10E-14	0.048587	0.17086	6.64E-12	Intergenic	NA	NA
1	81681801	81681850	1	-0.103628	10	4.60E-08	1.40E-05	0.16874	0.27237	9.56E-07	TSS	NM_001109410	Trappc6a
1	81682109	81682134	1	-0.090835	5	0.0024	0.015	0.10875	0.19958	0.00705499	TSS	NM_001109410	Trappc6a
1	81694130	81694174	1	-0.073156	5	0.00088	0.025	0.036592	0.10975	0.003092094	Intergenic	NA	NA
1	81762076	81762153	1	-0.191598	13	5.60E-11	6.70E-06	0.26725	0.45885	2.63E-09	Intragenic	NM_001024294	Clasrp
1	81762155	81762471	1	-0.11525	40	4.90E-08	4.00E-05	0.3422	0.43719	1.01E-06	Intragenic	NM_001024294	Clasrp
1	81999191	81999266	1	-0.205239	5	1.30E-05	0.00053	0.51236	0.7176	9.66E-05	Intragenic	NM_001109422	Bcl3
1	82045399	82045455	1	-0.129975	5	0.013	0.038	0.204	0.33397	0.028097302	Intragenic	NM_001169579	Ceacam16
1	82456911	82457224	1	-0.116694	22	3.70E-05	0.0012	0.40217	0.51886	0.000229545	TSS	NM_001106233	Tescl
1	82500449	82500886	8.90E-07	-0.131716	33	4.20E-14	2.70E-12	0.1342	0.26592	6.64E-12	Intragenic	NM_001270701:N M_001270702:N M_001270703:N M_023021	Kcnn4:Kcnn4: Kcnn4:Kcnn4
1	82555034	82555149	1	-0.098545	8	0.0082	0.07	0.7183	0.81685	0.019516617	Intragenic	NM_001014016	Irgc
1	82667480	82667590	1	-0.07652	5	0.017	0.039	0.86269	0.93921	0.034796287	Intragenic	NM_001107488	Pinlyp
1	82707938	82708002	1	-0.118497	5	0.0049	0.0088	0.72937	0.84786	0.012753585	TSS	NM_001107489	Zfp575
1	82717502	82717558	1	-0.130988	5	0.00017	0.0055	0.22179	0.35278	0.000806192	TSS	NM_001106234	Ethe1
1	82768193	82768397	1	-0.091577	8	0.026	0.066	0.097564	0.18914	0.049234478	Intergenic	NA	NA
1	83128465	83129058	1	-0.093873	18	0.02	0.1	0.35231	0.44618	0.039778219	Intragenic	NM_012506	Atp1a3
1	83234421	83234450	1	-0.278756	5	1.10E-06	3.40E-06	0.26752	0.54628	1.27E-05	Intragenic	NM_001271204	Pou2f2
1	83265520	83265631	1	-0.125683	13	8.50E-08	6.60E-05	0.23049	0.35617	1.53E-06	Intergenic	NA	NA
1	83449737	83449800	1	-0.059344	5	0.0024	0.038	0.052365	0.11171	0.00705499	TSS	NM_053628	Megf8
1	83559148	83559389	0.0021	-0.266495	5	6.30E-08	6.50E-09	0.025347	0.29184	1.18E-06	Intergenic	NA	NA
1	83560675	83560791	0.52	-0.169559	8	5.30E-06	1.60E-06	0.47363	0.64318	4.70E-05	Intergenic	NA	NA
1	83573416	83573539	1	-0.200358	5	0.00014	0.0017	0.37883	0.57919	0.000684451	Intergenic	NA	NA
1	83611706	83611753	0.49	-0.182009	5	4.20E-07	1.50E-06	0.063787	0.2458	5.76E-06	Intergenic	NA	NA
1	83654755	83654976	1	-0.136866	11	0.0017	0.015	0.28193	0.4188	0.005339493	Intergenic	NA	NA
1	83758482	83758782	1	-0.093385	5	0.0035	0.015	0.12749	0.22087	0.009686665	Intergenic	NA	NA
1	84808752	84808825	1	-0.13356	5	0.00097	0.00093	0.5592	0.69276	0.003366009	Intragenic	NM_017156	Cyp2b12

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	85176274	85176483	1	-0.054666	6	0.00017	0.0016	0.04403	0.098696	0.000806192	TSS	NM_134369	Cyp2t1
1	85302303	85302349	1	-0.188249	5	8.80E-05	0.0018	0.15595	0.3442	0.000466886	Intergenic	NA	NA
1	85349714	85350040	1	-0.19767	19	3.60E-08	1.20E-05	0.24739	0.44506	7.75E-07	Intragenic	NM_001170336	Ltbp4
1	85703638	85703836	1	-0.087483	5	0.025	0.038	0.18473	0.27222	0.047453009	TSS	NM_001191621	Map3k10
1	86025578	86025625	1	-0.090125	5	0.017	0.025	0.18858	0.2787	0.034796287	Intragenic	NM_030862	Marcks1
1	86430982	86431152	1	-0.104902	12	0.011	0.11	0.40929	0.51419	0.02463877	Intragenic	NM_001134506	Nccrp1
1	87210692	87210722	1	0.083027	5	0.025	0.015	0.84568	0.76265	0.047453009	Intergenic	NA	NA
1	87387773	87387803	1	0.074163	5	0.0035	0.039	0.89298	0.81882	0.009686665	Intergenic	NA	NA
1	88163054	88163119	1	-0.168131	5	0.0017	0.024	0.13917	0.3073	0.005339493	Intragenic	NM_001106241	Rinl
1	88371041	88371148	1	-0.11522	12	8.80E-08	1.30E-05	0.12474	0.23996	1.57E-06	Intragenic	NM_198734:NM_001014810	Yif1b:Yif1b
1	88371840	88371919	1	-0.472084	5	4.20E-07	7.50E-06	0.15299	0.62507	5.76E-06	Intergenic	NA	NA
1	88371923	88372108	1	-0.08114	5	0.0024	0.024	0.040485	0.12162	0.00705499	Intergenic	NA	NA
1	88372114	88372235	0.49	-0.16006	5	1.80E-07	1.50E-06	0.037022	0.19708	2.78E-06	Intergenic	NA	NA
1	88409410	88409782	1	-0.108913	14	0.01	0.12	0.35029	0.4592	0.02275947	TSS	NM_130403	Ppp1r14a
1	88462797	88463128	1	-0.141364	7	0.025	0.077	0.33698	0.47834	0.047453009	Intragenic	NM_001013066	Sipa1l3
1	88604035	88604109	1	-0.188893	5	0.02	0.0055	0.43077	0.61966	0.039778219	Intergenic	NA	NA
1	88628944	88629016	1	-0.264951	5	1.90E-06	3.40E-05	0.29847	0.56342	2.01E-05	Intergenic	NA	NA
1	88743744	88743967	9.70E-13	-0.192182	21	4.60E-14	3.00E-18	0.14287	0.33505	6.64E-12	Intergenic	NA	NA
1	88743996	88744055	1	-0.134884	5	1.30E-06	7.30E-06	0.23794	0.37282	1.46E-05	Intergenic	NA	NA
1	88850638	88850861	9.70E-13	-0.192182	21	4.60E-14	3.00E-18	0.14287	0.33505	6.64E-12	Intergenic	NA	NA
1	88850890	88850949	1	-0.134884	5	1.30E-06	7.30E-06	0.23794	0.37282	1.46E-05	Intergenic	NA	NA
1	88985966	88986207	1	-0.103802	14	1.00E-07	3.20E-05	0.11223	0.21603	1.72E-06	Intergenic	NA	NA
1	88986208	88986272	1	-0.190033	5	0.00054	0.0053	0.22082	0.41085	0.002077867	Intergenic	NA	NA
1	89114633	89114714	1	-0.150654	5	0.008	0.058	0.19672	0.34738	0.019059477	TSS	NM_001106243	Map4k1
1	89189005	89189074	1	-0.269985	5	4.30E-06	0.00014	0.26429	0.53427	3.93E-05	Intergenic	NA	NA
1	89196133	89196203	1	-0.096988	5	1.90E-05	7.10E-05	0.11618	0.21317	0.000131674	Intergenic	NA	NA
1	89196207	89196334	1	-0.0662	8	0.0064	0.049	0.093394	0.15959	0.015860755	Intergenic	NA	NA
1	89196492	89196557	0.48	-0.087438	5	4.30E-06	1.50E-06	0.0096154	0.097054	3.93E-05	Intergenic	NA	NA
1	89196572	89196673	6.70E-05	-0.141147	9	3.40E-12	2.10E-10	0.034043	0.17519	2.28E-10	Intergenic	NA	NA
1	89204344	89204473	1	-0.084514	10	0.011	0.016	0.62622	0.71073	0.02463877	Intergenic	NA	NA
1	89253109	89253224	1	-0.104345	5	0.011	0.0055	0.70771	0.81205	0.02463877	TSS	NM_130824	Rasgrp4
1	89385545	89385786	1	-0.103802	14	1.00E-07	3.20E-05	0.11223	0.21603	1.72E-06	Intergenic	NA	NA
1	89385787	89385851	1	-0.190033	5	0.00054	0.0053	0.22082	0.41085	0.002077867	Intergenic	NA	NA
1	89761204	89761223	1	-0.122389	5	0.0022	0.039	0.55012	0.67251	0.006578104	Intragenic	NM_144749	Zfp382
1	89761406	89761434	1	-0.120505	5	0.025	0.015	0.57644	0.69694	0.047453009	Intragenic	NM_144749	Zfp382
1	89927830	89928041	1	-0.07987	15	4.40E-06	0.0069	0.1178	0.19767	4.01E-05	TSS	NM_001009283	Syne4
1	89954537	89954677	1	-0.050387	6	0.023	0.04	0.123	0.17339	0.04441443	Intergenic	NA	NA
1	90084404	90084503	1	-0.077665	8	0.00011	0.0026	0.072857	0.15052	0.000565143	Intragenic	NM_022628	Nphs1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	90154409	90154566	1	-0.160874	5	0.0038	0.039	0.281	0.44187	0.010352437	Intragenic	NM_001127579	Proser3
1	90173473	90173559	1	-0.175552	6	0.0094	0.084	0.30562	0.48117	0.021723038	TSS	NM_001008764:N M_001008775:N M_001134610	Psenen:U2af1 l4:Igflr1
1	90198073	90198155	1	-0.073037	8	0.00075	0.0025	0.081355	0.15439	0.002737773	TSS	NR_037357:NM_0 01109517	Mir3569:Zbtb 32
1	90283180	90283253	1	-0.178276	5	0.0063	0.015	0.33355	0.51182	0.015629046	Intergenic	NA	NA
1	90425256	90425346	1	-0.183521	5	0.00048	0.0092	0.41943	0.60295	0.001881331	TSS	NM_001005877	Ffar2
1	90503559	90503661	1	-0.20029	7	2.70E-05	0.0014	0.40297	0.60326	0.000178372	Intragenic	NM_017190	Mag
1	90642429	90642516	1	-0.218031	5	4.40E-05	0.00027	0.34961	0.56764	0.000263321	TSS	NM_031648	Fxyd1
1	90703738	90704078	1	-0.11232	14	8.10E-06	8.80E-06	0.032931	0.14525	6.58E-05	TSS	NM_017112	Hpn
1	90704604	90704698	1	-0.154122	5	0.00029	0.0091	0.099726	0.25385	0.001239307	TSS	NM_017112	Hpn
1	91231327	91231445	1	-0.207773	5	7.80E-05	0.0018	0.14887	0.35664	0.000422981	Intragenic	NM_207592	Gpi
1	91553375	91553473	1	-0.136672	5	0.019	0.015	0.28593	0.4226	0.038322088	Intergenic	NA	NA
1	91599465	91599628	1	-0.168402	8	0.00015	0.0038	0.19557	0.36397	0.000724207	Intergenic	NA	NA
1	91674431	91674531	1	-0.09748	8	0.0085	0.036	0.19559	0.29307	0.020154795	Intergenic	NA	NA
1	91675693	91675804	1	-0.056323	5	0.00021	0.00053	0.013168	0.069491	0.000951214	Intergenic	NA	NA
1	91760132	91760469	1	-0.12901	16	6.80E-06	0.00022	0.2413	0.37031	5.73E-05	Intragenic	NM_001107504	Chst8
1	92094530	92094741	1	-0.083009	15	1.80E-06	0.0029	0.11617	0.19917	1.93E-05	TSS	NM_001009283	Syne4
1	92385427	92385586	1	-0.06865	6	0.0054	0.027	0.79387	0.86252	0.013836205	Intragenic	NM_001009641	Pepd
1	92503947	92504109	1	-0.122605	5	0.013	0.038	0.46031	0.58292	0.028097302	Intergenic	NA	NA
1	92764585	92764617	1	-0.167879	5	0.00097	0.0018	0.37911	0.54698	0.003366009	Intragenic	NM_001107505	Rhpn2
1	92973270	92973317	1	-0.278398	5	1.90E-06	7.60E-06	0.067039	0.34544	2.01E-05	Intergenic	NA	NA
1	93609709	93609863	0.0011	-0.26009	8	8.30E-12	3.40E-09	0.1362	0.39629	4.87E-10	Intergenic	NA	NA
1	93876859	93876977	1	-0.115078	5	0.0019	0.059	0.13646	0.25154	0.005855937	Intragenic	NM_001107506	Tshz3
1	93880160	93880202	1	-0.170232	5	0.016	0.13	0.32494	0.49518	0.033288089	Intragenic	NM_001107506	Tshz3
1	94663583	94663721	1	-0.106785	5	0.00039	0.025	0.064457	0.17124	0.001587612	Intergenic	NA	NA
1	94779068	94779454	1	-0.125492	10	0.00051	0.006	0.18457	0.31007	0.00199501	Intergenic	NA	NA
1	94818497	94818638	1	-0.11194	7	5.20E-06	0.00016	0.093453	0.20539	4.61E-05	Intergenic	NA	NA
1	95301198	95301319	1	-0.119857	7	0.0062	0.077	0.15947	0.27933	0.015570617	Intergenic	NA	NA
1	95636473	95636549	1	-0.144738	5	0.0013	0.0018	0.61269	0.75743	0.004277683	Intergenic	NA	NA
1	95650226	95650333	1	-0.10819	7	0.016	0.11	0.2607	0.36889	0.033288089	Intergenic	NA	NA
1	99553286	99553393	1	-0.128872	5	0.00097	0.039	0.084369	0.21324	0.003366009	Intragenic	NM_001004220	Etfb
1	99675947	99676382	1	-0.224466	10	1.20E-05	0.002	0.2394	0.46386	9.15E-05	Intergenic	NA	NA
1	99720686	99720724	4.20E-05	-0.1702	8	7.40E-11	1.30E-10	0.029394	0.19959	3.38E-09	Intergenic	NA	NA
1	99771951	99772007	1	-0.081061	5	0.00059	0.015	0.11514	0.1962	0.002242971	Intergenic	NA	NA
1	99772013	99772040	0.49	-0.055966	5	6.30E-06	1.50E-06	0.037461	0.093427	5.33E-05	Intergenic	NA	NA
1	99772043	99772157	5.10E-05	-0.11574	10	2.40E-13	1.60E-10	0.044906	0.16065	2.22E-11	Intergenic	NA	NA
1	99774628	99774684	1	-0.081061	5	0.00059	0.015	0.11514	0.1962	0.002242971	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	99774690	99774717	0.49	-0.055966	5	6.30E-06	1.50E-06	0.037461	0.093427	5.33E-05	Intergenic	NA	NA
1	99774720	99774834	5.10E-05	-0.11574	10	2.40E-13	1.60E-10	0.044906	0.16065	2.22E-11	Intergenic	NA	NA
1	100701452	100701489	1	-0.309317	5	0.00011	6.80E-05	0.33473	0.64404	0.000565143	Intergenic	NA	NA
1	100709818	100709946	1	-0.062558	5	0.013	0.038	0.7952	0.85776	0.028097302	Intergenic	NA	NA
1	100783834	100783931	1	-0.13892	7	0.0032	0.053	0.47763	0.61655	0.008990975	Intragenic	NM_001106252	Klk11
1	101567859	101568049	1	-0.093829	6	0.0078	0.085	0.11621	0.21004	0.018765285	TSS	NM_001004221	Emc10
1	101646283	101646416	1	-0.123466	5	0.0016	0.0018	0.14473	0.26819	0.005100053	Intragenic	NM_031670	Napsa
1	102236775	102236949	1	-0.085576	10	0.024	0.19	0.26336	0.34893	0.046241462	Intragenic	NM_053859	Slc17a7
1	102296868	102296921	1	-0.149961	5	5.50E-06	3.40E-05	0.042346	0.19231	4.78E-05	Intragenic	NM_017124	Cd37
1	102297306	102297429	1	-0.131517	9	0.00018	0.012	0.25682	0.38834	0.000849258	Intragenic	NM_017124	Cd37
1	102302243	102302393	1	-0.213975	10	1.60E-06	0.00036	0.38536	0.59933	1.75E-05	TSS	NM_017124	Cd37
1	102403007	102403209	1	-0.098655	9	0.00093	0.022	0.16544	0.2641	0.003255406	Intragenic	NM_001270985	Ppfia3
1	102524940	102525030	1	-0.216055	5	0.0016	0.015	0.23475	0.45081	0.005100053	Intragenic	NM_001109615	Gys1
1	102528718	102528884	1	-0.206167	13	5.30E-08	2.80E-05	0.36719	0.57336	1.08E-06	TSS	NM_022500	Ftl1
1	102604845	102605083	1	-0.091188	16	0.00027	0.00054	0.075264	0.16645	0.001172178	Intragenic	NM_199101	Plekha4
1	102607287	102607438	1	-0.152958	5	0.00072	0.00053	0.25075	0.40371	0.002634665	Intragenic	NM_199101	Plekha4
1	102618863	102618952	1	-0.141337	5	0.0022	0.0031	0.13094	0.27227	0.006578104	TSS	NM_001191111	Hsd17b14
1	102665272	102665475	1	-0.237667	8	1.10E-05	9.10E-05	0.19454	0.43221	8.53E-05	Intergenic	NA	NA
1	102693576	102693601	1	-0.102302	5	0.012	0.18	0.17642	0.27872	0.026435197	Intragenic	NM_001106261	Rasip1
1	102693741	102693866	4.50E-06	-0.219524	12	4.50E-14	1.40E-11	0.16631	0.38583	6.64E-12	Intragenic	NM_001106261	Rasip1
1	102700200	102700243	1	-0.15294	5	1.50E-05	0.00052	0.092463	0.2454	0.000109113	Intragenic	NM_001106261	Rasip1
1	102852109	102852248	1	-0.05209	8	0.01	0.049	0.092998	0.14509	0.02275947	TSS	NM_001039665	Sult2b1
1	102862551	102862860	1	0.059232	12	0.023	0.03	0.79422	0.73499	0.04441443	Intergenic	NA	NA
1	102880876	102880997	1	-0.191175	5	0.0008	0.0032	0.24531	0.43649	0.002866309	TSS	NM_053911	Cyth2
1	102887619	102887898	0.085	-0.124335	24	4.50E-11	2.60E-07	0.12519	0.24953	2.15E-09	TSS	NM_170718	Kcnj14
1	103236337	103236484	1	-0.239189	7	2.00E-05	0.00016	0.17817	0.41736	0.000138285	Intragenic	NM_013039	Abcc8
1	103244787	103245438	1	-0.110641	17	0.011	0.081	0.42467	0.53531	0.02463877	Intragenic	NM_013039	Abcc8
1	103300494	103300602	1	-0.089333	5	0.012	0.13	0.14503	0.23436	0.026435197	Intragenic	NM_212521	Ush1c
1	103339502	103339555	1	-0.058219	5	0.00088	0.015	0.056655	0.11487	0.003092094	TSS	NM_212521	Ush1c
1	103634292	103634400	1	-0.073587	5	0.021	0.038	0.14639	0.21998	0.041207871	Intergenic	NA	NA
1	103839496	103839591	0.49	-0.251565	5	1.50E-07	1.50E-06	0.55409	0.80565	2.38E-06	Intergenic	NA	NA
1	104183782	104184060	1	-0.111	10	0.001	0.047	0.11797	0.22897	0.003452169	Intergenic	NA	NA
1	105268972	105269251	1	-0.126407	8	0.0048	0.036	0.17564	0.30205	0.012663359	Intergenic	NA	NA
1	105592027	105592092	1	-0.180188	5	0.0024	0.038	0.23324	0.41343	0.00705499	Intergenic	NA	NA
1	105939631	105939746	1	-0.232709	5	0.0011	0.0054	0.27454	0.50725	0.003737263	Intragenic	NM_138529	Nav2
1	114367168	114367293	1	-0.112259	8	0.00065	0.0086	0.68271	0.79497	0.002426546	Intergenic	NA	NA
1	115180689	115180726	0.14	-0.26134	9	3.00E-08	4.40E-07	0.44297	0.70431	6.59E-07	Intergenic	NA	NA
1	116238880	116238984	1	-0.114351	10	1.70E-06	3.10E-06	0.12753	0.24188	1.83E-05	TSS	NR_130147	Tug1
1	116533685	116533789	1	-0.116351	5	1.00E-05	0.00028	0.1581	0.27445	7.82E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	118210297	118210471	1	-0.117233	8	0.00019	0.00025	0.52891	0.64614	0.000879857	Intergenic	NA	NA
1	118326936	118327110	1	-0.117926	8	0.0002	0.00025	0.52824	0.64616	0.00092049	Intergenic	NA	NA
1	122600675	122600849	1	-0.10665	8	0.00065	0.0011	0.53742	0.64407	0.002426546	Intergenic	NA	NA
1	123904881	123905017	1	-0.138622	5	0.01	0.038	0.50476	0.64338	0.02275947	Intergenic	NA	NA
1	124119086	124119160	1	-0.056874	5	0.0087	0.058	0.070301	0.12718	0.020391633	TSS	NM_001008558	Ndn
1	124153169	124153212	1	-0.104223	5	3.50E-05	0.00028	0.032782	0.137	0.000218038	Intergenic	NA	NA
1	124153237	124153471	1	-0.212971	17	1.70E-06	0.00028	0.13273	0.2367	1.83E-05	Intergenic	NA	NA
1	124185028	124185130	1	-0.091798	15	2.00E-07	0.00021	0.20846	0.30026	3.06E-06	Intergenic	NA	NA
1	124201260	124201329	1	-0.133067	5	0.011	0.015	0.29452	0.42759	0.02463877	Intergenic	NA	NA
1	124201811	124201870	1	-0.058707	9	0.0099	0.14	0.089191	0.1479	0.02275947	Intergenic	NA	NA
1	124237061	124237405	0.00052	-0.057604	27	5.00E-14	1.60E-09	0.073687	0.13129	6.72E-12	TSS	NM_001170562	Peg12
1	125316089	125316133	1	-0.077151	5	0.021	0.014	0.68009	0.75724	0.041207871	Intergenic	NA	NA
1	125915157	125915306	1	-0.1942	5	0.00032	0.0018	0.12523	0.31943	0.001346443	TSS	NM_001109147	Klf13
1	126610914	126611028	1	-0.152669	5	2.20E-05	3.40E-05	0.050124	0.20279	0.000149617	Intragenic	NM_031780	Apba2
1	126611134	126611236	1	-0.163821	5	1.70E-05	0.00098	0.26823	0.43205	0.000120524	Intragenic	NM_031780	Apba2
1	126946853	126947024	1	-0.152799	5	0.0012	0.024	0.16531	0.31811	0.004013471	Intergenic	NA	NA
1	127101949	127102105	1	-0.115752	5	0.0049	0.015	0.76057	0.87632	0.012753585	Intergenic	NA	NA
1	127249949	127250088	1	-0.289628	5	0.00039	0.00013	0.081572	0.3712	0.001587612	Intragenic	NM_001106266	Tjp1
1	127651466	127651571	1	-0.171559	5	1.50E-05	0.00096	0.70257	0.87413	0.000109113	Intragenic	NM_001014020	Tarsl2
1	128022711	128022974	0.25	-0.188994	13	3.90E-09	7.80E-07	0.19506	0.38405	1.06E-07	Intragenic	NM_012999	Pcsk6
1	128203688	128203820	1	-0.138728	5	7.80E-05	0.0032	0.087457	0.22618	0.000422981	Intergenic	NA	NA
1	128241491	128241627	1	-0.194427	8	0.00039	0.0016	0.39269	0.58712	0.001587612	Intergenic	NA	NA
1	130001554	130001623	1	-0.118586	5	0.0022	0.015	0.23687	0.35545	0.006578104	Intragenic	NM_052807	Igf1r
1	130066122	130066217	1	-0.127702	5	0.0022	0.015	0.1212	0.2489	0.006578104	Intragenic	NM_052807	Igf1r
1	130304967	130305029	1	-0.095509	5	0.014	0.13	0.14328	0.23879	0.029850603	Intergenic	NA	NA
1	130346668	130346812	1	-0.103154	5	0.016	0.014	0.60762	0.71077	0.033288089	Intergenic	NA	NA
1	130436770	130436951	1	-0.133368	6	0.013	0.084	0.47803	0.6114	0.028097302	Intergenic	NA	NA
1	132459886	132460047	1	-0.112365	8	0.015	0.12	0.3445	0.45687	0.031584896	Intergenic	NA	NA
1	132491076	132491124	1	-0.095796	5	0.00065	0.015	0.071935	0.16773	0.002426546	Intragenic	NM_080778	Nr2f2
1	133557854	133557993	1	-0.164441	7	0.0087	0.076	0.29169	0.45613	0.020391633	Intergenic	NA	NA
1	133587670	133587748	1	-0.145315	5	0.0068	0.088	0.27872	0.42404	0.016642688	Intergenic	NA	NA
1	134622852	134623109	1	-0.179361	15	2.30E-08	1.10E-05	0.43495	0.61431	5.20E-07	Intergenic	NA	NA
1	135370758	135370802	1	-0.082337	5	0.021	0.087	0.50866	0.591	0.041207871	Intergenic	NA	NA
1	135500562	135500659	1	-0.209751	6	3.20E-06	0.00017	0.073928	0.28368	3.11E-05	Intergenic	NA	NA
1	136137095	136137400	1	-0.142846	9	1.90E-06	0.00051	0.11621	0.25905	2.01E-05	Intergenic	NA	NA
1	136293894	136294051	1	-0.112589	8	0.0025	0.037	0.41916	0.53175	0.007343559	Intergenic	NA	NA
1	138435931	138436080	1	-0.183204	8	9.90E-05	0.0014	0.15615	0.33936	0.000516804	Intergenic	NA	NA
1	142015049	142015211	1	0.134479	8	0.012	0.083	0.41536	0.28088	0.026435197	Intragenic	NM_001106275	Abhd2
1	142201361	142201399	1	-0.068647	5	5.00E-05	0.00052	0.06228	0.13093	0.000291675	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	142243776	142243854	1	-0.105076	5	0.00065	0.00098	0.11552	0.2206	0.002426546	Intergenic	NA	NA
1	142253623	142253727	1	-0.08902	5	0.017	0.038	0.30299	0.39201	0.034796287	Intergenic	NA	NA
1	142407424	142407472	1	-0.131503	5	0.00032	0.0055	0.16181	0.29331	0.001346443	Intergenic	NA	NA
1	142407519	142407555	1	-0.142618	5	1.70E-06	0.00027	0.053596	0.19621	1.83E-05	Intergenic	NA	NA
1	142522652	142522932	1	-0.163633	10	5.50E-05	0.00054	0.21337	0.377	0.000319601	Intragenic	NM_031012	Anpep
1	142631358	142631529	1	-0.261879	5	0.00014	3.40E-05	0.067721	0.3296	0.000684451	TSS	NM_001107530	Arpin
1	142721623	142721709	1	-0.127713	5	0.00065	0.015	0.059958	0.18767	0.002426546	Intergenic	NA	NA
1	142721738	142721880	1	-0.078781	5	0.002	0.015	0.062193	0.14097	0.006079939	Intergenic	NA	NA
1	142821913	142822006	1	-0.130696	5	0.0041	0.0091	0.37806	0.50876	0.01100507	Intragenic	NM_001134563	Zfp710
1	142899798	142899953	0.0021	-0.317384	5	6.30E-08	6.60E-09	0.0050002	0.32238	1.18E-06	Intergenic	NA	NA
1	143645832	143645885	1	-0.078436	5	0.0022	0.0092	0.82794	0.90637	0.006578104	Intergenic	NA	NA
1	143834001	143834204	1	-0.169912	7	1.30E-05	0.00048	0.14676	0.31667	9.66E-05	Intragenic	NM_001191895	Alpk3
1	144111876	144111965	0.00024	-0.326988	8	1.90E-11	7.40E-10	0.3283	0.65529	9.88E-10	TSS	NM_017152	Rps17
1	144766108	144766296	1	-0.051586	6	0.014	0.027	0.10216	0.15375	0.029850603	Intergenic	NA	NA
1	144897533	144897586	1	-0.129922	5	0.0053	0.015	0.70741	0.83733	0.013591571	Intergenic	NA	NA
1	145762529	145762917	2.40E-05	-0.11279	29	5.50E-13	7.50E-11	0.15006	0.26285	4.47E-11	Intragenic	NM_001191626	Mex3b
1	146075932	146076066	1	-0.144238	5	0.0016	0.00098	0.19917	0.3434	0.005100053	Intergenic	NA	NA
1	146289727	146289861	1	-0.144238	5	0.0016	0.00098	0.19917	0.3434	0.005100053	Intergenic	NA	NA
1	147958844	147958959	1	-0.165425	5	0.011	0.0054	0.62228	0.78771	0.02463877	Intragenic	NM_023091	Gabre
1	148853321	148853432	1	-0.094135	7	0.0062	0.036	0.51777	0.61191	0.015570617	Intergenic	NA	NA
1	151842791	151842843	0.0009	-0.413766	7	1.50E-10	2.80E-09	0.2987	0.71247	6.44E-09	Intergenic	NA	NA
1	151966535	151966696	1	-0.083918	13	0.0065	0.018	0.16852	0.22065	0.016085358	Intergenic	NA	NA
1	151966704	151966905	0.94	-0.133633	18	1.50E-09	2.90E-06	0.12368	0.25731	4.72E-08	Intergenic	NA	NA
1	151967407	151967450	1	-0.1743	5	3.70E-06	7.10E-05	0.065441	0.23974	3.46E-05	Intergenic	NA	NA
1	151967466	151967506	1	-0.135977	5	3.30E-06	7.10E-05	0.063679	0.19966	3.16E-05	Intergenic	NA	NA
1	151967524	151967544	1	-0.2037	5	2.80E-05	0.0018	0.247	0.4507	0.000182174	Intergenic	NA	NA
1	151967568	151967847	0.0035	-0.07893	30	1.40E-13	1.10E-08	0.12359	0.21661	1.41E-11	Intergenic	NA	NA
1	151967870	151968013	2.80E-08	-0.235017	14	4.40E-14	8.60E-14	0.13508	0.3701	6.64E-12	Intergenic	NA	NA
1	151968016	151968314	0.28	-0.155122	26	5.00E-06	8.60E-07	0.15737	0.28668	4.46E-05	Intergenic	NA	NA
1	151968357	151968431	1	-0.086278	13	5.80E-05	0.0027	0.096224	0.17581	0.000331425	Intergenic	NA	NA
1	151968481	151968518	1	-0.117851	5	4.80E-06	7.00E-05	0.059255	0.17711	4.29E-05	Intergenic	NA	NA
1	151968523	151968736	0.0015	-0.123456	15	1.90E-12	4.70E-09	0.065607	0.15435	1.36E-10	Intergenic	NA	NA
1	151968747	151968773	0.49	-0.119059	5	9.80E-07	1.50E-06	0.050013	0.16907	1.16E-05	Intergenic	NA	NA
1	151970280	151970398	0.0039	-0.079937	17	4.30E-10	1.20E-08	0.26588	0.34582	1.60E-08	Intergenic	NA	NA
1	151970402	151970429	0.015	-0.270734	5	1.30E-07	4.60E-08	0.12358	0.39431	2.11E-06	Intergenic	NA	NA
1	151970975	151971053	1	-0.166438	7	4.10E-06	1.60E-05	0.14066	0.30709	3.78E-05	Intergenic	NA	NA
1	151971957	151972046	1	-0.092793	5	0.02	0.0093	0.30539	0.39819	0.039778219	Intergenic	NA	NA
1	151972076	151972166	1	-0.106922	5	0.0049	0.059	0.21691	0.32383	0.012753585	Intergenic	NA	NA
1	151972178	151972416	0.031	-0.185855	20	5.20E-14	9.60E-08	0.21765	0.40351	6.72E-12	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	151975034	151975075	1	-0.170058	5	0.00065	0.0093	0.61485	0.78491	0.002426546	Intergenic	NA	NA
1	151976029	151976286	0.035	-0.279901	10	4.70E-11	1.10E-07	0.13352	0.41342	2.23E-09	Intergenic	NA	NA
1	151976385	151976467	1	-0.119411	5	0.00097	0.0054	0.26207	0.38148	0.003366009	Intergenic	NA	NA
1	153407272	153407320	1	-0.063298	5	0.0041	0.0054	0.054092	0.11739	0.01100507	Intergenic	NA	NA
1	156474749	156475107	1	-0.076172	12	0.0083	0.0013	0.68546	0.76163	0.019719474	Intergenic	NA	NA
1	156906737	156907069	1	-0.050588	11	0.015	0.036	0.68834	0.73892	0.031584896	Intergenic	NA	NA
1	160206744	160206823	1	-0.206293	5	0.00036	1.40E-05	0.55221	0.7585	0.001486639	Intragenic	NM_001108491	Me3
1	160364845	160364978	1	-0.181861	5	5.60E-05	0.00014	0.26132	0.44318	0.000320912	Intergenic	NA	NA
1	160436337	160436392	1	-0.144613	5	1.90E-05	0.00014	0.35332	0.49793	0.000131674	Intergenic	NA	NA
1	160871053	160871172	1	-0.079923	5	0.00032	0.00098	0.060152	0.14008	0.001346443	TSS	NM_001134833	Ccdc89
1	160920115	160920178	1	-0.052776	5	0.017	0.088	0.035245	0.088021	0.034796287	Intergenic	NA	NA
1	161406717	161406876	1	-0.07894	7	0.00065	0.0034	0.093508	0.17245	0.002426546	TSS	NM_022282	Dlg2
1	161569819	161569882	1	-0.052776	5	0.017	0.088	0.035245	0.088021	0.034796287	Intragenic	NM_022282	Dlg2
1	162572734	162572853	1	-0.076948	5	0.00026	0.00053	0.056931	0.13388	0.001130807	TSS	NM_001134833	Ccdc89
1	163320060	163320211	1	-0.140507	5	5.50E-06	1.60E-05	0.080481	0.22099	4.78E-05	Intragenic	NM_022282	Dlg2
1	165672791	165672975	1	-0.053042	7	0.01	0.018	0.79495	0.84799	0.02275947	Intergenic	NA	NA
1	167737027	167737141	1	-0.199137	8	6.30E-05	0.0024	0.21321	0.41235	0.000354102	Intragenic	NM_001191628	Tenm4
1	167986023	167986089	1	-0.201797	5	0.0041	0.037	0.34361	0.54541	0.01100507	Intragenic	NM_001191628	Tenm4
1	169645685	169645798	1	-0.123777	5	0.0017	0.038	0.17036	0.29413	0.005339493	Intergenic	NA	NA
1	169646679	169646809	1	-0.189269	5	9.80E-05	0.00028	0.085298	0.27457	0.000512474	Intergenic	NA	NA
1	170049002	170049186	1	-0.152929	13	8.00E-07	0.00065	0.19874	0.35167	9.90E-06	Intergenic	NA	NA
1	170510548	170510648	1	-0.095646	5	0.0019	0.037	0.080128	0.17577	0.005855937	TSS	NM_017173	Serpinh1
1	170630875	170630915	1	-0.171677	5	4.40E-05	0.00098	0.25835	0.43002	0.000263321	Intergenic	NA	NA
1	172115984	172116377	1	-0.08908	7	0.013	0.052	0.2218	0.31088	0.028097302	Intergenic	NA	NA
1	172161316	172161353	1	-0.166054	5	0.0008	0.00052	0.2756	0.44165	0.002866309	Intergenic	NA	NA
1	172163218	172163281	1	-0.089323	5	3.70E-06	3.40E-05	0.038494	0.12782	3.46E-05	Intergenic	NA	NA
1	172398114	172398149	1	0.116934	5	0.012	0.059	0.90102	0.78409	0.026435197	Intragenic	NM_001107539	Fchsd2
1	172623352	172623510	1	-0.079311	9	0.00086	0.0041	0.090895	0.17021	0.003063925	TSS	NM_001013069	Stard10
1	172674930	172674975	1	-0.115356	5	0.021	0.015	0.64339	0.75874	0.041207871	Intergenic	NA	NA
1	172770158	172770211	1	-0.082704	5	0.017	0.088	0.215	0.29771	0.034796287	Intragenic	NM_001143847:N M_001270604:N M_031079	Pde2a:Pde2a: Pde2a
1	174885005	174885167	1	-0.148245	8	0.00051	0.018	0.40632	0.55457	0.00199501	Intergenic	NA	NA
1	174923682	174923717	1	-0.066848	5	0.0024	0.039	0.11305	0.17989	0.00705499	Intergenic	NA	NA
1	175331303	175331566	1	-0.159577	11	0.018	0.0078	0.70613	0.8657	0.036742993	Intergenic	NA	NA
1	175549861	175550016	1	-0.193315	8	0.00018	0.00062	0.20613	0.39944	0.000849258	TSS	NM_001170461	Trim6
1	176523003	176523177	1	-0.105944	8	0.00075	0.0011	0.54525	0.6512	0.002737773	Intergenic	NA	NA
1	177323858	177323944	1	-0.120894	5	0.00072	0.0054	0.30466	0.42555	0.002634665	TSS	NM_134449	Prkcdpb
1	177610022	177610176	1	-0.117369	19	5.90E-05	0.0024	0.45845	0.57582	0.000336659	Intragenic	NM_001107544	Dchs1

chr	start	stop	q-value	methy1.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	177981907	177982076	1	-0.121042	5	0.019	0.039	0.54278	0.66382	0.038322088	Intergenic	NA	NA
1	178423162	178423629	1	-0.069728	20	0.0059	0.061	0.10681	0.15353	0.014851341	Intergenic	NA	NA
1	178423633	178423665	1	-0.142013	5	0.00036	0.024	0.1473	0.28931	0.001486639	Intergenic	NA	NA
1	178423843	178423927	1	-0.067707	17	0.0017	0.018	0.12585	0.19997	0.005339493	Intergenic	NA	NA
1	178423943	178423962	1	-0.076461	5	3.90E-05	0.00014	0.064241	0.1407	0.000237659	Intergenic	NA	NA
1	178424021	178424063	1	-0.11392	6	8.20E-05	0.00053	0.06895	0.18287	0.000442277	Intergenic	NA	NA
1	179974867	179974944	1	-0.117086	5	0.00097	0.0093	0.085284	0.20237	0.003366009	Intergenic	NA	NA
1	180275515	180275714	0.14	-0.100488	17	4.10E-08	4.20E-07	0.12446	0.22495	8.61E-07	Intergenic	NA	NA
1	180822851	180822983	1	-0.24166	6	3.90E-06	4.40E-05	0.22205	0.46371	3.62E-05	Intergenic	NA	NA
1	181825761	181825885	0.014	-0.076584	9	1.10E-10	4.50E-08	0.029867	0.10645	4.91E-09	Intergenic	NA	NA
1	182020173	182020642	1	-0.194136	8	0.00062	0.0039	0.2477	0.44183	0.002348106	Intragenic	NM_001134970	Sbf2
1	182609233	182609294	1	-0.07711	5	0.0022	0.0032	0.85665	0.93376	0.006578104	Intragenic	NM_031544	Ampd3
1	182853070	182853137	1	-0.187465	5	0.01	0.12	0.47926	0.66673	0.02275947	Intragenic	NM_001100661	Ctr9
1	182856914	182857081	1	-0.199498	5	6.30E-06	1.60E-05	0.073464	0.27296	5.33E-05	Intergenic	NA	NA
1	183961279	183961373	1	-0.066108	5	0.02	0.088	0.055609	0.12172	0.039778219	TSS	NM_138519	Dkk3
1	184027942	184028039	1	0.06194	5	0.0063	0.015	0.11461	0.052673	0.015629046	Intergenic	NA	NA
1	190848544	190848717	1	-0.105212	7	0.0016	0.027	0.59765	0.70286	0.005100053	Intergenic	NA	NA
1	192518589	192518665	1	-0.192385	5	3.10E-05	0.00014	0.10762	0.30001	0.000197418	Intergenic	NA	NA
1	192601040	192601179	1	-0.140286	5	0.015	0.088	0.19102	0.3313	0.031584896	Intergenic	NA	NA
1	195088829	195088896	1	-0.150658	9	0.00025	0.016	0.3249	0.47556	0.001103692	TSS	NM_001127303	Itpripl2
1	195204576	195204638	1	-0.130928	8	0.0028	0.0039	0.29876	0.42968	0.008113721	Intergenic	NA	NA
1	195251559	195251711	1	-0.068103	7	0.022	0.11	0.74888	0.81698	0.043064669	Intragenic	NM_001012216	Tmc5
1	196425895	196425939	1	0.074958	7	0.0012	0.0032	0.92322	0.84826	0.004013471	Intragenic	NM_001009688	Thumpd1
1	196600057	196600143	2.50E-06	-0.155036	11	1.70E-13	7.90E-12	0.069864	0.2249	1.65E-11	TSS	NM_001276487:NM_001024886	Lymr1:Dcun1d3
1	198312047	198312152	1	-0.142757	5	0.00048	0.038	0.54732	0.69008	0.001881331	Intragenic	NM_181370	Hs3st2
1	199087672	199087706	0.4	-0.18667	7	1.90E-08	1.20E-06	0.05696	0.24363	4.37E-07	TSS	NM_001034911	Ubfd1
1	199477286	199477477	1	-0.115144	13	6.40E-06	0.0036	0.24056	0.35571	5.40E-05	Intragenic	NM_012713:NM_001172305	Prkcb:Prkcb
1	199651598	199651734	1	-0.086611	5	0.0013	0.015	0.1066	0.19321	0.004277683	Intergenic	NA	NA
1	200051690	200051854	1	-0.088849	7	0.0024	0.027	0.088074	0.17692	0.00705499	Intergenic	NA	NA
1	202144944	202145007	1	-0.173115	5	0.00054	0.00028	0.20971	0.38283	0.002077867	TSS	NM_031117:NM_001270712:NM_130738	Snrpn:Snurf:Snurf
1	204358823	204358924	1	-0.15711	7	0.0037	0.027	0.52364	0.68075	0.010204935	Intergenic	NA	NA
1	204451210	204451267	1	-0.222932	5	0.00054	0.0055	0.4076	0.63054	0.002077867	Intergenic	NA	NA
1	204661257	204661450	0.25	-0.162421	17	1.10E-08	7.80E-07	0.24758	0.41001	2.70E-07	Intergenic	NA	NA
1	204877236	204877280	0.49	-0.085383	5	7.40E-07	1.50E-06	0.027668	0.11305	9.26E-06	Intergenic	NA	NA
1	205194338	205194506	1	-0.063455	11	8.50E-05	0.005	0.059915	0.12337	0.000457022	TSS	NM_001108920	Tbx6

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	205210699	205210856	1	-0.105318	7	0.0076	0.018	0.24498	0.35029	0.018313455	TSS	NM_012495	Aldoa
1	205404087	205404137	1	-0.175027	5	0.0035	0.015	0.36993	0.54496	0.009686665	Intragenic	NM_022715	Mvp
1	205652692	205652827	0.00073	-0.225837	7	2.00E-09	2.30E-09	0.13443	0.36027	6.02E-08	Intragenic	NM_001012460	1-Sep
1	205893971	205894258	1	-0.148742	11	4.10E-06	0.00091	0.23599	0.38473	3.78E-05	Intragenic	NM_173330	Zfp689
1	206396406	206396451	0.015	-0.229822	5	6.30E-08	4.60E-08	0.038457	0.26828	1.18E-06	Intragenic	NM_138836	Prss8
1	206405972	206406080	1	-0.18722	5	0.011	0.059	0.14378	0.331	0.02463877	Intragenic	NM_001011560	Prss36
1	206416378	206416436	1	-0.148038	5	0.0014	0.024	0.54536	0.6934	0.004540837	TSS	NM_001011560	Prss36
1	206568101	206568157	1	-0.149832	5	0.00059	0.0054	0.12745	0.27729	0.002242971	Intragenic	NM_012711	ltgam
1	206813810	206813924	1	0.120024	5	0.0094	0.13	0.49531	0.37528	0.021723038	Intergenic	NA	NA
1	207008148	207008239	1	-0.290358	5	3.70E-06	3.40E-05	0.15352	0.44388	3.46E-05	Intragenic	NM_001011936	Bag3
1	208264435	208264703	1	-0.126306	5	0.0022	0.0053	0.12007	0.24638	0.006578104	Intragenic	NM_001004415:NM_001004418	Tacc2:Tacc2
1	208559488	208559691	1	-0.160888	6	4.10E-05	0.00094	0.072731	0.23362	0.000249467	Intragenic	NM_031721	Htra1
1	209703724	209703918	1	-0.157194	5	0.0032	0.015	0.13402	0.29121	0.008990975	Intergenic	NA	NA
1	210116471	210116593	1	-0.244497	5	5.60E-05	0.00051	0.16949	0.41399	0.000320912	Intergenic	NA	NA
1	210598569	210598728	1	-0.129385	5	0.0094	0.059	0.09799	0.22737	0.021723038	Intergenic	NA	NA
1	210767196	210767255	1	-0.179104	5	0.00048	0.00094	0.25102	0.43012	0.001881331	Intergenic	NA	NA
1	211110743	211110784	1	-0.158287	5	0.0068	0.088	0.27776	0.43604	0.016642688	Intragenic	NM_001106306	Cpxm2
1	211277065	211277176	1	-0.258026	5	5.50E-06	3.40E-05	0.23584	0.49386	4.78E-05	Intergenic	NA	NA
1	211806498	211806622	0.037	-0.182777	5	8.50E-08	1.10E-07	0.085516	0.26829	1.53E-06	Intergenic	NA	NA
1	212065044	212065122	1	-0.145251	5	0.00072	0.0092	0.21726	0.36251	0.002634665	Intergenic	NA	NA
1	212496048	212496253	1	-0.085875	10	0.014	0.039	0.31392	0.3998	0.029850603	Intergenic	NA	NA
1	213665222	213665371	1	-0.156393	5	0.0013	0.0092	0.14248	0.29887	0.004277683	Intergenic	NA	NA
1	213683560	213683635	1	0.190757	7	0.012	0.11	0.79154	0.60078	0.026435197	Intergenic	NA	NA
1	213936470	213936576	1	-0.124498	5	0.01	0.087	0.50153	0.62603	0.02275947	Intragenic	NM_001143858	Dock1
1	214575037	214575191	1	-0.132007	7	0.00016	0.0035	0.10167	0.23367	0.000769396	Intergenic	NA	NA
1	214661036	214661266	1	-0.053962	6	0.021	0.22	0.06186	0.11582	0.041207871	Intergenic	NA	NA
1	214727648	214727987	1	-0.131136	7	0.0076	0.038	0.29287	0.42401	0.018313455	Intergenic	NA	NA
1	214772899	214773238	1	-0.148897	7	0.003	0.038	0.27511	0.42401	0.008555055	Intergenic	NA	NA
1	215593911	215594014	1	-0.183056	5	2.40E-05	3.40E-05	0.10255	0.2856	0.000160049	Intergenic	NA	NA
1	215681648	215681847	1	-0.109285	8	0.014	0.16	0.47007	0.57936	0.029850603	Intergenic	NA	NA
1	215741918	215742238	1	-0.109804	10	0.00031	6.50E-05	0.19246	0.30226	0.001320549	Intergenic	NA	NA
1	216850343	216850443	1	-0.133602	5	0.0049	0.0054	0.64476	0.77836	0.012753585	Intergenic	NA	NA
1	216850455	216850541	1	-0.23779	5	0.0019	0.0053	0.50621	0.744	0.005855937	Intergenic	NA	NA
1	217158194	217158565	1	-0.141573	10	0.0017	0.00018	0.2817	0.42328	0.005339493	Intergenic	NA	NA
1	218381829	218381919	1	-0.122794	5	0.023	0.13	0.49109	0.61388	0.04441443	Intragenic	NM_001108922	Stk32c
1	218504825	218505129	1	-0.089173	13	0.0043	0.083	0.16291	0.25208	0.011513614	TSS	NM_001108507	Pwpp2b
1	219453211	219453314	1	-0.056069	7	0.013	0.14	0.077233	0.1333	0.028097302	Intragenic	NM_138915:NM_001190399	Caly:Caly

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	219538006	219538073	1	-0.089071	5	0.0012	0.024	0.060304	0.14938	0.004013471	TSS	NM_001031845	Sprn
1	220634571	220634723	1	-0.11098	7	0.017	0.077	0.51197	0.62295	0.034796287	Intergenic	NA	NA
1	220653177	220653723	1	-0.107092	15	0.0021	0.0083	0.55346	0.66055	0.006364615	Intergenic	NA	NA
1	220738720	220738874	1	-0.222927	5	0.00029	0.0055	0.23127	0.4542	0.001239307	Intergenic	NA	NA
1	220807705	220807970	0.00049	-0.162919	14	5.10E-14	1.50E-09	0.058538	0.22146	6.72E-12	TSS	NM_001106315	Pkp3
1	220826674	220826825	1	-0.060742	7	0.015	0.0083	0.11452	0.17526	0.031584896	TSS	NM_001024887	Sigirr
1	220886478	220886650	1	-0.199512	5	0.012	0.015	0.26139	0.4609	0.026435197	Intergenic	NA	NA
1	220924563	220925297	1.00E-07	-0.141251	40	4.70E-14	3.20E-13	0.14342	0.28467	6.64E-12	TSS	NM_022523	Cd151
1	221245364	221245741	1.10E-07	-0.113519	19	4.50E-14	3.30E-13	0.040775	0.15429	6.64E-12	Intergenic	NA	NA
1	221323267	221323439	1	-0.199512	5	0.012	0.015	0.26139	0.4609	0.026435197	Intergenic	NA	NA
1	221361352	221362086	1.00E-07	-0.141251	40	4.70E-14	3.20E-13	0.14342	0.28467	6.64E-12	TSS	NM_022523	Cd151
1	222193946	222194010	1	-0.106158	5	0.025	0.0055	0.082885	0.18904	0.047453009	TSS	NM_021868	Cttn
1	222290531	222290616	1	-0.091445	5	0.0013	0.015	0.75931	0.85075	0.004277683	Intergenic	NA	NA
1	222591967	222592444	1	-0.149872	9	0.018	0.1	0.29682	0.44669	0.036742993	Intergenic	NA	NA
1	222729394	222729570	1	-0.131728	5	0.015	0.039	0.21061	0.34234	0.031584896	TSS	NM_001190162:NM_031511	Igf2:Igf2
1	223166385	223166809	1	-0.088159	10	0.0084	0.29	0.16501	0.25317	0.019933412	Intragenic	NM_032073	Kcnq1
1	223360305	223360358	1	-0.116001	5	0.0068	0.038	0.30528	0.42129	0.016642688	Intragenic	NM_032073	Kcnq1
1	223360447	223360512	1	-0.203758	5	7.80E-05	0.00098	0.31253	0.51629	0.000422981	Intragenic	NM_032073	Kcnq1
1	223443388	223443477	1	-0.219033	7	0.00038	0.0054	0.22888	0.44791	0.001566539	Intragenic	NM_032073	Kcnq1
1	224494341	224494405	1	-0.106158	5	0.025	0.0055	0.082885	0.18904	0.047453009	TSS	NM_021868	Cttn
1	225716882	225716964	1	-0.222167	5	6.20E-05	0.00052	0.17439	0.39655	0.000349462	Intragenic	NM_001106321	Lrp5
1	226719531	226719599	1	-0.064722	5	0.0032	0.015	0.039805	0.10453	0.008990975	TSS	NM_001109508	Lrfn4
1	227254759	227254814	1	-0.081459	5	5.60E-05	7.00E-05	0.016557	0.098017	0.000320912	TSS	NM_001106324:NM_001009605	B4gat1:Brms1
1	227266882	227266930	1	-0.088664	5	0.00014	0.00096	0.078785	0.16745	0.000684451	TSS	NM_139038	Rin1
1	227284787	227284899	1	-0.164884	7	0.00026	0.012	0.22625	0.39114	0.001130807	TSS	NM_001106325	Cd248
1	227293495	227293607	1	-0.164884	7	0.00026	0.012	0.22625	0.39114	0.001130807	TSS	NM_001106325	Cd248
1	227347923	227347978	1	-0.081459	5	5.60E-05	7.00E-05	0.016557	0.098017	0.000320912	TSS	NM_001106324:NM_001009605	B4gat1:Brms1
1	227360046	227360094	1	-0.088664	5	0.00014	0.00096	0.078785	0.16745	0.000684451	TSS	NM_139038	Rin1
1	227377976	227378088	1	-0.164884	7	0.00026	0.012	0.22625	0.39114	0.001130807	TSS	NM_001106325	Cd248
1	227606950	227607131	1.20E-14	-0.142674	33	3.80E-14	3.80E-20	0.12231	0.26499	6.64E-12	Intragenic	NM_001024290	Gal3st3
1	227812267	227812347	1	-0.118124	5	0.0011	0.038	0.16706	0.28519	0.003737263	Intergenic	NA	NA
1	227862052	227862126	1	-0.177735	5	5.50E-06	0.00028	0.057448	0.23518	4.78E-05	Intragenic	NM_001107572	Ovo1
1	227944748	227944818	1	-0.232345	5	5.60E-07	7.60E-06	0.085324	0.31767	7.29E-06	Intragenic	NM_001004089	Sipa1
1	227945367	227945598	1	-0.139222	13	0.00057	0.0046	0.2893	0.42852	0.002190499	Intragenic	NM_001004089	Sipa1
1	227950945	227951112	1	-0.146353	12	5.60E-05	0.00094	0.07876	0.22511	0.000320912	TSS	NM_001004089	Sipa1
1	228135657	228135741	1	-0.065278	5	0.00026	0.0031	0.040255	0.10553	0.001130807	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	228541451	228541520	1	-0.224076	5	7.10E-06	0.00014	0.07633	0.30041	5.86E-05	TSS	NM_181379	Ppp2r5b
1	228587745	228587814	1	-0.224076	5	7.10E-06	0.00014	0.07633	0.30041	5.86E-05	TSS	NM_181379	Ppp2r5b
1	228697937	228697993	1	-0.14648	5	0.00021	6.90E-05	0.0965	0.24298	0.000951214	TSS	NM_001106329	Map4k2
1	228774619	228774796	1	-0.19704	9	1.10E-06	0.00033	0.18113	0.37817	1.27E-05	Intragenic	NM_001082977	Rasgrp2
1	228808119	228808261	1	-0.128454	5	0.0087	0.015	0.10796	0.23641	0.020391633	Intragenic	NM_053846	Nrxn2
1	228898931	228899295	1	-0.083628	5	0.016	0.088	0.11742	0.20105	0.033288089	Intragenic	NM_053846	Nrxn2
1	229070808	229070888	1	-0.170263	5	0.00048	0.0092	0.35435	0.52461	0.001881331	Intergenic	NA	NA
1	229096717	229096824	1	-0.14707	5	0.014	0.088	0.24453	0.3916	0.029850603	Intergenic	NA	NA
1	229103855	229103938	1	-0.272065	5	4.80E-06	3.20E-05	0.42408	0.69615	4.29E-05	Intergenic	NA	NA
1	229220690	229220726	1	-0.11447	8	5.70E-06	2.70E-05	0.14944	0.26391	4.91E-05	TSS	NM_172045	Ppp1r14b
1	229354342	229354489	1	-0.144491	5	4.80E-06	7.10E-05	0.11773	0.26222	4.29E-05	Intragenic	NM_139337	Macrodl
1	229365101	229365235	0.0019	-0.208457	9	2.80E-11	6.00E-09	0.054965	0.26342	1.41E-09	Intragenic	NM_139337	Macrodl
1	229376906	229377097	1	-0.164057	5	8.50E-07	7.60E-06	0.029309	0.19337	1.03E-05	Intragenic	NM_139337	Macrodl
1	229377113	229377150	1	-0.259467	5	5.60E-07	7.50E-06	0.141	0.40047	7.29E-06	Intragenic	NM_139337	Macrodl
1	229379178	229379303	1	-0.121445	5	0.012	0.038	0.25681	0.37826	0.026435197	Intragenic	NM_139337	Macrodl
1	229429300	229429378	1	-0.205623	5	0.0058	0.039	0.23662	0.44224	0.014624129	Intragenic	NM_139337	Macrodl
1	229440373	229440400	1	-0.143285	5	1.20E-05	0.00027	0.14619	0.28947	9.15E-05	Intragenic	NM_139337	Macrodl
1	229509271	229509322	1	-0.061324	5	0.0041	0.015	0.12612	0.18744	0.01100507	Intergenic	NA	NA
1	229660102	229660204	1	-0.25076	7	9.00E-06	0.00042	0.18224	0.433	7.26E-05	TSS	NM_001109161	RGD1560108
1	229660766	229660900	0.017	-0.216811	15	1.90E-09	5.20E-08	0.64474	0.86156	5.77E-08	TSS	NM_001109161	RGD1560108
1	229660911	229660950	1	-0.159998	5	0.00014	0.00028	0.44025	0.60025	0.000684451	TSS	NM_001109161	RGD1560108
1	229661013	229661091	1	-0.30287	5	7.80E-05	0.00014	0.29378	0.59665	0.000422981	TSS	NM_001109161	RGD1560108
1	229661462	229661995	6.60E-18	-0.228054	53	4.70E-14	2.00E-23	0.20472	0.43277	6.64E-12	TSS	NM_001109161	RGD1560108
1	229662037	229662078	1	-0.141893	5	6.20E-05	0.00052	0.17498	0.31687	0.000349462	Intragenic	NM_001109161	RGD1560108
1	229662081	229662121	1	-0.129772	5	0.00054	0.0031	0.13151	0.26128	0.002077867	Intragenic	NM_001109161	RGD1560108
1	230609391	230609485	0.53	-0.080001	9	2.70E-09	1.60E-06	0.060684	0.14068	7.80E-08	Intergenic	NA	NA
1	231399998	231400305	0.11	-0.146861	19	2.70E-09	3.30E-07	0.15727	0.30413	7.80E-08	Intragenic	NM_134380	Ust5r
1	231737052	231737181	1	-0.268332	7	1.70E-08	4.70E-06	0.078728	0.34706	4.01E-07	TSS	NM_031332	Slc22a8
1	231763023	231763468	0.37	-0.293747	7	3.20E-07	1.20E-06	0.14033	0.43408	4.57E-06	TSS	NM_017224	Slc22a6
1	231821336	231821572	1	-0.135408	7	0.012	0.1	0.29383	0.42924	0.026435197	TSS	NM_080773	Chrm1
1	232099640	232099785	1	-0.137791	8	0.0028	0.0084	0.21927	0.35706	0.008113721	TSS	NM_001004223	Eef1g
1	232277545	232277692	1	-0.102266	5	0.01	0.038	0.63003	0.73229	0.02275947	Intergenic	NA	NA
1	232973326	232973449	1	-0.252566	5	2.20E-05	3.40E-05	0.088937	0.3415	0.000149617	Intragenic	NM_031344	Fads2
1	233190023	233190122	1	-0.07126	10	0.013	0.012	0.21359	0.28485	0.028097302	Intragenic	NM_053445	Fads1
1	233226882	233227050	1	-0.14777	5	0.012	0.087	0.27552	0.42329	0.026435197	Intragenic	NM_001170487	Myrf
1	233245111	233245178	1	-0.107022	5	0.0029	0.015	0.11693	0.22395	0.008293503	Intragenic	NM_001005886	Dagla
1	233354700	233354814	1	-0.063616	7	0.00078	0.0082	0.030855	0.09447	0.002840382	Intergenic	NA	NA
1	233633259	233633746	1	-0.065366	14	3.00E-05	0.00044	0.037512	0.10288	0.000194345	TSS	NM_001271311	Vwce
1	234164911	234164944	1	-0.135267	5	0.0013	0.0093	0.60965	0.74492	0.004277683	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	235447177	235447293	1	-0.075034	10	0.025	0.092	0.4511	0.52614	0.047453009	Intergenic	NA	NA
1	237004851	237005126	0.015	-0.204784	17	1.20E-09	4.60E-08	0.26432	0.4691	3.88E-08	Intergenic	NA	NA
1	237116899	237117067	1	-0.116937	5	0.012	0.015	0.46319	0.58013	0.026435197	Intergenic	NA	NA
1	237299276	237299566	1	-0.113553	5	0.0074	0.13	0.61166	0.72521	0.017853001	Intergenic	NA	NA
1	239516215	239516297	1	-0.070808	5	0.00011	0.00098	0.091476	0.16228	0.000565143	Intergenic	NA	NA
1	239900147	239900299	1	-0.071465	7	0.0044	0.038	0.68103	0.75249	0.011763026	Intergenic	NA	NA
1	240284163	240284210	1	-0.260364	5	1.50E-05	0.00053	0.17725	0.43762	0.000109113	Intergenic	NA	NA
1	240297373	240297420	1	-0.260364	5	1.50E-05	0.00053	0.17725	0.43762	0.000109113	Intergenic	NA	NA
1	241564149	241564441	1	-0.162442	10	1.20E-08	8.20E-06	0.068149	0.23059	2.88E-07	Intergenic	NA	NA
1	241849384	241849401	1	-0.122689	5	0.0045	0.00014	0.22837	0.35106	0.011905878	TSS	NM_001024292:NM_148892	Nmrk1:Ostf1
1	242121918	242122165	1	-0.150276	5	8.80E-05	0.00052	0.075262	0.22554	0.000466886	Intergenic	NA	NA
1	244197592	244197739	1	-0.148373	5	0.0024	0.039	0.1817	0.33007	0.00705499	Intergenic	NA	NA
1	246155740	246155974	1	-0.119749	10	0.0019	0.0037	0.54251	0.66226	0.005855937	Intergenic	NA	NA
1	247973974	247974023	1	-0.177957	5	1.70E-06	0.00014	0.047383	0.22534	1.83E-05	Intragenic	NM_001191562	Trpm3
1	248216719	248216909	1	-0.156066	7	7.80E-05	0.00029	0.14207	0.29813	0.000422981	Intragenic	NM_057211	Klf9
1	249091791	249091874	1	-0.124324	5	0.015	0.086	0.29086	0.41518	0.031584896	Intergenic	NA	NA
1	249528288	249528487	1	-0.127031	5	0.00088	0.0031	0.21561	0.34264	0.003092094	Intragenic	NM_001012743	Pip5k1b
1	250421604	250421706	1	-0.167741	5	3.10E-05	0.00014	0.044011	0.21175	0.000197418	Intergenic	NA	NA
1	250631940	250632116	1	-0.067544	9	1.80E-06	0.0019	0.039458	0.107	1.93E-05	Intragenic	NM_001037197	Kank1
1	250926864	250927043	1	-0.115617	7	0.0048	0.038	0.16553	0.28115	0.012663359	Intragenic	NM_001107597	Dmrt2
1	251951415	251951536	1	-0.185671	5	0.019	0.057	0.36295	0.54862	0.038322088	Intragenic	NM_001004446	Smarca2
1	253844989	253845065	1	-0.178421	5	0.0017	0.0055	0.30555	0.48397	0.005339493	Intergenic	NA	NA
1	254033683	254033799	1	-0.111101	5	0.0074	0.059	0.14324	0.25434	0.017853001	Intergenic	NA	NA
1	254112384	254112548	1	-0.104951	5	0.002	0.0055	0.052484	0.15743	0.006079939	Intergenic	NA	NA
1	254113660	254113824	1	-0.104951	5	0.002	0.0055	0.052484	0.15743	0.006079939	Intergenic	NA	NA
1	254213575	254213625	1	-0.200417	5	3.90E-05	0.00053	0.55512	0.75554	0.000237659	Intragenic	NM_013032	Slc1a1
1	254432683	254432724	1	-0.103656	5	0.00054	0.00053	0.059914	0.16357	0.002077867	Intergenic	NA	NA
1	256836797	256836920	1	-0.192174	5	0.0068	0.015	0.49868	0.69086	0.016642688	Intragenic	NM_001105731	Prkg1
1	256960945	256961090	1	-0.082739	5	0.023	0.086	0.71016	0.7929	0.04441443	Intragenic	NM_001105731	Prkg1
1	259018037	259018181	0.084	-0.186561	7	5.80E-07	2.60E-07	0.10007	0.28663	7.50E-06	Intergenic	NA	NA
1	259772765	259772840	1	-0.212656	5	2.50E-06	1.50E-05	0.17244	0.3851	2.52E-05	TSS	NM_031004	Acta2
1	260158254	260158287	1	-0.144917	5	0.015	0.015	0.57498	0.7199	0.031584896	Intergenic	NA	NA
1	260516695	260516752	1	-0.065001	5	0.01	0.0055	0.90173	0.96673	0.02275947	Intergenic	NA	NA
1	260516783	260516826	0.074	-0.177806	8	3.80E-09	2.30E-07	0.054109	0.23191	1.03E-07	Intergenic	NA	NA
1	260656991	260657159	1	-0.142467	8	0.00019	0.0017	0.62749	0.76996	0.000879857	Intergenic	NA	NA
1	262006219	262006317	1	-0.151269	5	0.017	0.058	0.25482	0.40609	0.034796287	Intergenic	NA	NA
1	262081834	262081981	1	-0.102502	5	0.0049	0.024	0.64033	0.74283	0.012753585	Intergenic	NA	NA
1	263174026	263174162	1	-0.220889	5	0.015	0.088	0.2134	0.43429	0.031584896	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	263436938	263437057	1	-0.138858	5	0.0058	0.015	0.65184	0.7907	0.014624129	Intragenic	NM_013159	Ide
1	263585854	263585884	1	-0.139668	5	1.30E-05	0.00098	0.16402	0.30369	9.66E-05	TSS	NM_024385	Hhex
1	263741725	263741796	1	-0.214472	5	0.0011	0.0017	0.25735	0.47182	0.003737263	Intragenic	NM_019277	Exoc6
1	263976099	263976214	1	-0.19253	5	0.0035	0.015	0.23801	0.43054	0.009686665	Intergenic	NA	NA
1	263987314	263987557	1	-0.077347	5	0.0008	0.015	0.038999	0.11635	0.002866309	Intergenic	NA	NA
1	264303066	264303158	1	0.07704	5	0.0053	0.0055	0.84506	0.76802	0.013591571	TSS	NM_001108522	Pde6c
1	266474985	266475753	1	-0.118873	16	4.60E-07	0.0015	0.14811	0.26698	6.27E-06	Intergenic	NA	NA
1	266521420	266521482	0.2	-0.224886	7	3.00E-09	6.10E-07	0.21748	0.44236	8.36E-08	Intragenic	NM_001108524	Aldh18a1
1	266936600	266936689	1	-0.23928	5	1.30E-05	3.40E-05	0.065531	0.30481	9.66E-05	Intergenic	NA	NA
1	267053083	267053851	1	-0.118873	16	4.60E-07	0.0015	0.14811	0.26698	6.27E-06	Intergenic	NA	NA
1	267101324	267101386	0.2	-0.224886	7	3.00E-09	6.10E-07	0.21748	0.44236	8.36E-08	Intragenic	NM_001108524	Aldh18a1
1	267357755	267357940	1	-0.089167	7	0.0032	0.0054	0.63313	0.7223	0.008990975	Intergenic	NA	NA
1	267524139	267524324	1	-0.090204	7	0.0026	0.0083	0.63274	0.72295	0.007616821	Intergenic	NA	NA
1	267818716	267818853	1	-0.086814	5	0.0087	0.039	0.088014	0.17483	0.020391633	Intragenic	NM_001191898	Tll2
1	268146586	268147095	0.56	-0.13702	11	7.70E-08	1.70E-06	0.083035	0.22005	1.41E-06	Intergenic	NA	NA
1	268317738	268317794	1	-0.207676	5	3.10E-05	0.00098	0.10317	0.31085	0.000197418	Intragenic	NM_022953	Slit1
1	268350984	268351084	1	-0.168867	5	0.00054	0.015	0.51633	0.68519	0.002077867	Intragenic	NM_022953	Slit1
1	268357668	268358070	0.48	-0.134467	5	3.90E-05	1.50E-06	1.50E-07	0.13447	0.000237659	Intragenic	NM_022953	Slit1
1	268842765	268842845	1	-0.112874	9	0.00013	0.0011	0.14591	0.25878	0.000648758	TSS	NM_001107590	Marveld1
1	269038651	269038798	1	-0.175877	7	1.30E-05	2.50E-05	0.24058	0.41645	9.66E-05	Intragenic	NM_134401	Crtac1
1	269116628	269116687	1	-0.066247	5	0.0035	0.015	0.066779	0.13303	0.009686665	Intragenic	NM_134401	Crtac1
1	269424487	269424619	1	-0.136329	5	0.0041	0.015	0.058481	0.19481	0.01100507	Intragenic	NM_001004261	Pyroxd2
1	269424648	269424750	1	-0.245332	5	2.80E-05	3.50E-05	0.071429	0.31676	0.000182174	Intragenic	NM_001004261	Pyroxd2
1	269427715	269427881	1	-0.102219	8	0.018	0.026	0.22414	0.32636	0.036742993	Intragenic	NM_001004261	Pyroxd2
1	269441758	269441922	1	-0.126061	6	1.60E-05	0.00017	0.080314	0.20637	0.000115757	Intragenic	NM_040669	Hps1
1	269443679	269443774	1	-0.167719	5	0.00059	0.015	0.21614	0.38386	0.002242971	Intragenic	NM_040669	Hps1
1	269448830	269448930	1	0.163602	5	0.0014	0.025	0.66687	0.50326	0.004540837	Intragenic	NM_040669	Hps1
1	269788201	269788390	1	-0.104472	8	0.0028	0.037	0.625	0.72947	0.008113721	Intragenic	NM_001135762	Hpse2
1	269986196	269986385	1	-0.104215	8	0.0029	0.037	0.62526	0.72947	0.008293503	Intragenic	NM_001135762	Hpse2
1	270667630	270667745	1	-0.106964	5	0.0032	0.024	0.1251	0.23206	0.008990975	Intragenic	NM_001107593	Cnm1
1	270694439	270694636	1	-0.206597	9	2.60E-06	0.00018	0.23349	0.44009	2.60E-05	Intragenic	NM_012571	Got1
1	270733912	270734062	0.48	-0.156945	11	3.00E-08	1.50E-06	0.24068	0.39763	6.59E-07	Intergenic	NA	NA
1	271110288	271110414	0.38	-0.069827	7	2.70E-05	1.20E-06	1.43E-07	0.069828	0.000178372	Intergenic	NA	NA
1	271111148	271111449	0.0097	-0.212124	8	7.80E-10	3.00E-08	0.071319	0.28344	2.68E-08	Intergenic	NA	NA
1	271561618	271561684	1	-0.249986	5	0.00044	0.015	0.26529	0.51528	0.001760146	Intergenic	NA	NA
1	271828602	271828711	1	-0.083477	5	9.80E-05	0.00098	0.05552	0.139	0.000512474	Intergenic	NA	NA
1	271864399	271864509	1	-0.096158	11	1.20E-05	0.0012	0.13584	0.232	9.15E-05	Intergenic	NA	NA
1	272025140	272025186	1	-0.108993	8	2.00E-05	0.0014	0.18352	0.29251	0.000138285	Intragenic	NM_001106361	Pax2
1	272260163	272260209	1	0.087161	5	0.021	0.087	0.22213	0.13497	0.041207871	Intergenic	NA	NA

chr	start	stop	q-value	methy1.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	272261987	272262212	1	-0.116364	13	0.0012	0.035	0.24274	0.3591	0.004013471	Intergenic	NA	NA
1	272468854	272468919	1	-0.126188	5	0.0068	0.038	0.67968	0.80586	0.016642688	Intergenic	NA	NA
1	272470125	272470190	1	-0.179246	6	0.00011	0.0045	0.61468	0.79393	0.000565143	Intergenic	NA	NA
1	272877648	272877683	1	0.114643	5	0.01	0.024	0.91103	0.79639	0.02275947	Intergenic	NA	NA
1	273636100	273636248	1	-0.422417	5	3.70E-07	3.40E-06	0.19817	0.62059	5.21E-06	Intragenic	NM_001024899	Sufu
1	273806939	273807029	1	-0.156927	5	0.0038	0.025	0.30344	0.46036	0.010352437	Intragenic	NM_001127484	Wbp1l
1	273899545	273899626	1	-0.227931	5	0.0019	0.009	0.53989	0.76782	0.005855937	Intergenic	NA	NA
1	273962688	273962752	1	-0.27288	5	4.20E-07	1.60E-05	0.094718	0.3676	5.76E-06	TSS	NM_001011942	Cnm2
1	274349033	274349179	1	-0.180729	10	0.00048	0.022	0.34342	0.52415	0.001881331	TSS	NM_001109168	Calhm1
1	274463343	274463405	0.76	-0.180705	7	1.60E-06	2.30E-06	0.48888	0.66958	1.75E-05	Intergenic	NA	NA
1	274523637	274523805	4.20E-05	-0.124481	13	1.20E-13	1.30E-10	0.037506	0.16199	1.24E-11	Intragenic	NM_001107606	Sh3pxd2a
1	274523820	274523852	1	-0.1076	5	0.0029	0.0032	0.10413	0.21173	0.008293503	Intragenic	NM_001107606	Sh3pxd2a
1	274523867	274523985	1	-0.08152	5	0.011	0.0053	0.10259	0.18411	0.02463877	Intragenic	NM_001107606	Sh3pxd2a
1	274548948	274549029	0.098	-0.120921	7	3.30E-09	3.00E-07	0.11789	0.23882	9.10E-08	Intragenic	NM_001107606	Sh3pxd2a
1	275687658	275687810	1	0.130905	7	0.013	0.11	0.59199	0.46109	0.028097302	Intragenic	NM_001106367	Sorcs3
1	276365541	276365710	1	-0.158022	8	5.00E-06	0.00096	0.23649	0.39451	4.46E-05	Intergenic	NA	NA
1	280560003	280560150	1	-0.12243	7	0.002	0.051	0.62233	0.74476	0.006079939	Intergenic	NA	NA
1	280653608	280653711	1	-0.136536	5	7.00E-05	0.00014	0.15542	0.29196	0.000386221	Intergenic	NA	NA
1	280736315	280736418	1	-0.136536	5	7.00E-05	0.00014	0.15542	0.29196	0.000386221	Intergenic	NA	NA
1	280749129	280749290	1	-0.162985	5	0.0087	0.059	0.57478	0.73777	0.020391633	Intergenic	NA	NA
1	281107948	281108153	1	-0.121356	7	0.0044	0.077	0.18749	0.30884	0.011763026	Intergenic	NA	NA
1	281165610	281165784	1	-0.290953	5	2.50E-06	3.40E-05	0.11572	0.40667	2.52E-05	Intragenic	NM_131913	Xpnpep1
1	281165804	281165925	1	-0.204578	5	5.00E-05	0.00098	0.13573	0.34031	0.000291675	Intragenic	NM_131913	Xpnpep1
1	281166244	281166355	1	-0.233951	5	3.50E-05	3.40E-05	0.02391	0.25786	0.000218038	Intragenic	NM_131913	Xpnpep1
1	281495067	281495125	1	-0.203779	5	3.70E-06	7.10E-05	0.063312	0.26709	3.46E-05	Intragenic	NM_013160	Mxi1
1	281501788	281501864	1	-0.121768	5	0.00017	0.0018	0.12995	0.25172	0.000806192	Intragenic	NM_013160	Mxi1
1	281588558	281588698	1	-0.339621	7	2.10E-07	4.50E-06	0.12744	0.46706	3.19E-06	Intergenic	NA	NA
1	281670327	281670371	1	-0.149992	5	0.00097	0.025	0.18197	0.33196	0.003366009	Intragenic	NM_133578	Dusp5
1	281670412	281670560	1	-0.218163	5	0.00054	0.0092	0.22811	0.44628	0.002077867	Intragenic	NM_133578	Dusp5
1	281670574	281670647	1	-0.105079	5	0.014	0.13	0.65462	0.7597	0.029850603	Intragenic	NM_133578	Dusp5
1	281932156	281932224	1	-0.179119	8	1.70E-05	0.00067	0.43172	0.61084	0.000120524	Intragenic	NM_001107611	Rbm20
1	281979038	281979108	1	-0.173794	5	0.013	0.087	0.3719	0.5457	0.028097302	Intragenic	NM_001107611	Rbm20
1	283408786	283408845	0.037	-0.399554	5	5.60E-07	1.10E-07	0.26303	0.66258	7.29E-06	Intergenic	NA	NA
1	283409486	283409516	1	-0.072599	5	0.00072	0.0093	0.034937	0.10754	0.002634665	Intergenic	NA	NA
1	283972409	283972475	1	-0.184605	7	1.30E-07	4.60E-06	0.096386	0.28099	2.11E-06	Intergenic	NA	NA
1	284730270	284730421	1	-0.304361	5	0.00023	0.0017	0.23661	0.54097	0.00102405	Intragenic	NM_001106201	Dclre1a
1	284843306	284843399	1	-0.12104	5	0.0008	0.00028	0.1185	0.23954	0.002866309	Intergenic	NA	NA
1	285333188	285333356	1	-0.18706	7	0.00099	0.039	0.31704	0.5041	0.003433429	Intergenic	NA	NA
1	285451011	285451177	1	-0.098895	7	0.0087	0.00028	0.14948	0.24838	0.020391633	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	285540002	285540079	1	-0.128538	5	0.016	0.015	0.30539	0.43393	0.033288089	Intergenic	NA	NA
1	286394064	286394153	1	-0.310633	5	9.80E-05	0.0005	0.40701	0.71764	0.000512474	Intergenic	NA	NA
1	286802970	286803124	1	-0.28737	7	2.40E-07	1.60E-05	0.14743	0.4348	3.57E-06	Intragenic	NM_012959	Gfra1
1	286922535	286922689	1	-0.282022	7	3.50E-07	1.50E-05	0.15278	0.4348	4.97E-06	Intragenic	NM_012959	Gfra1
1	287378787	287378897	1	-0.070402	5	0.0035	0.015	0.067688	0.13809	0.009686665	TSS	NM_001107445	Hspa12a
1	288240753	288240870	1	-0.150003	5	0.019	0.0093	0.35291	0.50292	0.038322088	Intergenic	NA	NA
1	289893047	289893077	1	-0.094335	5	0.0068	0.088	0.76521	0.85955	0.016642688	Intergenic	NA	NA
1	289946843	289946944	1	-0.109646	5	0.00023	0.0031	0.62055	0.73019	0.00102405	Intergenic	NA	NA
1	289947042	289947201	1	-0.076624	5	0.0008	0.0031	0.8048	0.88142	0.002866309	Intergenic	NA	NA
10	1866469	1866882	1	-0.107553	17	9.00E-06	0.00028	0.54555	0.6531	7.26E-05	Intergenic	NA	NA
10	4451917	4451981	1	-0.120583	5	3.30E-06	1.60E-05	0.027269	0.14785	3.16E-05	Intergenic	NA	NA
10	4844133	4844319	1	-0.136996	8	0.0015	0.0025	0.21741	0.3544	0.004849475	Intragenic	NM_012573	Grin2a
10	5499591	5499677	1	-0.248355	5	0.00032	0.0092	0.30974	0.5581	0.001346443	Intergenic	NA	NA
10	5850599	5850651	1	-0.168234	5	0.013	0.024	0.48845	0.65669	0.028097302	Intragenic	NM_152790	Carhsp1
10	5916479	5916597	1	-0.115357	5	0.0063	0.037	0.67661	0.79196	0.015629046	Intragenic	NM_031003	Abat
10	6094189	6094268	1	-0.1198	7	0.021	0.034	0.3544	0.4742	0.041207871	Intragenic	NM_001134638	Tmem114
10	6715286	6715537	1	-0.217864	7	1.50E-06	0.0013	0.17379	0.39165	1.65E-05	Intergenic	NA	NA
10	8240230	8240302	1	-0.083769	5	0.0013	0.0055	0.092028	0.1758	0.004277683	Intergenic	NA	NA
10	9439483	9439779	1	-0.104574	14	0.0087	0.14	0.51947	0.62404	0.020391633	Intragenic	NM_001106976	Ppl
10	9529593	9529796	1	-0.156211	5	4.40E-05	0.00053	0.065476	0.22169	0.000263321	TSS	NM_001024864	Rogdi
10	9530136	9530472	1	-0.153835	6	0.013	0.038	0.21471	0.36854	0.028097302	TSS	NM_001024864	Rogdi
10	9685272	9685429	1	0.236766	5	0.00019	0.00053	0.63904	0.40227	0.000879857	Intergenic	NA	NA
10	9887123	9887773	0.00022	-0.157425	23	4.40E-14	6.80E-10	0.086135	0.24356	6.64E-12	Intragenic	NM_001191639:NM_001109382	Coro7:Vasn
10	9888331	9888386	1	-0.221993	5	1.70E-06	0.00053	0.42177	0.64376	1.83E-05	Intragenic	NM_001191639:NM_001109382	Coro7:Vasn
10	9896784	9896833	1	-0.115074	5	0.00019	0.0055	0.13573	0.2508	0.000879857	TSS	NM_001109382	Vasn
10	9938418	9938786	1	-0.145895	5	1.50E-06	3.40E-05	0.01577	0.16167	1.65E-05	TSS	NM_001106978	Glis2
10	9941177	9941270	1	-0.082099	5	0.0063	0.038	0.058182	0.14028	0.015629046	TSS	NM_001106978	Glis2
10	10199217	10199317	1	-0.161844	5	0.019	0.088	0.43663	0.59848	0.038322088	Intergenic	NA	NA
10	10522474	10522550	1	-0.157172	5	0.0094	0.015	0.40358	0.56076	0.021723038	Intergenic	NA	NA
10	10883528	10883699	1	-0.098158	8	0.00059	0.019	0.66394	0.7621	0.002242971	Intergenic	NA	NA
10	12675612	12675662	1	-0.074394	5	0.013	0.015	0.090743	0.16514	0.028097302	Intergenic	NA	NA
10	12698657	12699023	1	-0.050211	5	0.0019	0.015	0.034565	0.084776	0.005855937	Intergenic	NA	NA
10	12730454	12730631	1	-0.113846	15	0.0018	0.006	0.71183	0.82568	0.005640313	Intragenic	NM_001105765	Zfp13
10	12788179	12788323	1	-0.110223	5	3.50E-05	0.0031	0.35838	0.4686	0.000218038	Intergenic	NA	NA
10	12939115	12939169	1	-0.137069	6	3.40E-05	0.00028	0.050086	0.18716	0.000214477	Intergenic	NA	NA
10	12939386	12939425	1	-0.123638	5	8.80E-05	0.00052	0.032877	0.15651	0.000466886	Intergenic	NA	NA
10	12981356	12981481	5.50E-05	-0.237599	9	2.30E-12	1.70E-10	0.031854	0.26945	1.61E-10	Intragenic	NM_001277154	Srrm2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	13006811	13006869	1	-0.175913	7	0.0013	0.0083	0.69587	0.87179	0.004277683	TSS	NM_001135087	Prss41
10	13172517	13172625	1	-0.153501	5	0.0035	0.039	0.15539	0.30889	0.009686665	Intergenic	NA	NA
10	13773975	13774126	1	-0.168636	9	3.20E-05	0.0018	0.20413	0.37276	0.00020314	Intragenic	NM_001257352	Pkd1
10	13878340	13878402	0.00011	-0.259611	6	2.90E-09	3.50E-10	0.038322	0.29793	8.18E-08	TSS	NM_013222:NM_001106986	Gfer:Noxo1
10	14048388	14048444	1	-0.296102	6	2.30E-07	1.30E-05	0.10674	0.40285	3.45E-06	Intergenic	NA	NA
10	14055418	14055681	1	-0.192335	5	2.90E-06	7.00E-05	0.066724	0.25906	2.84E-05	TSS	NM_053329	Igfals
10	14059123	14059243	0.035	-0.34262	5	7.30E-08	1.10E-07	0.17988	0.5225	1.35E-06	Intragenic	NM_053329	Igfals
10	14289954	14290033	1	-0.050785	5	0.014	0.13	0.88074	0.93152	0.029850603	Intergenic	NA	NA
10	14405554	14405771	1	-0.240304	15	6.40E-08	1.00E-05	0.3725	0.6128	1.19E-06	Intergenic	NA	NA
10	14422233	14422422	1	-0.146256	6	0.0012	0.0044	0.53242	0.67868	0.004013471	TSS	NR_037321	Mir3547
10	14629138	14629341	1	-0.076165	10	0.0014	0.004	0.13946	0.21562	0.004540837	Intergenic	NA	NA
10	14645139	14645222	1	-0.123489	5	1.90E-05	0.0017	0.084762	0.20825	0.000131674	TSS	NM_001013965	Tekt4
10	15045572	15045619	1	-0.17528	5	3.50E-05	7.00E-05	0.078519	0.2538	0.000218038	Intragenic	NM_001109475	Fam195a
10	15244714	15244909	0.58	-0.054002	15	3.20E-10	1.80E-06	0.034363	0.088364	1.24E-08	Intergenic	NA	NA
10	15469831	15469938	1	-0.187217	7	3.50E-07	2.90E-05	0.22154	0.40875	4.97E-06	Intergenic	NA	NA
10	15481316	15481423	1	-0.201141	7	1.00E-07	1.60E-05	0.20631	0.40745	1.72E-06	Intergenic	NA	NA
10	15495244	15495487	1	-0.128262	12	1.80E-06	0.0002	0.17877	0.30703	1.93E-05	Intergenic	NA	NA
10	15638001	15638061	1	-0.102405	5	2.80E-05	0.0018	0.08837	0.19077	0.000182174	Intergenic	NA	NA
10	15643363	15643387	1	-0.053093	5	0.0038	0.015	0.87087	0.92396	0.010352437	Intergenic	NA	NA
10	15646862	15646946	1	-0.170978	5	0.0008	0.009	0.18442	0.3554	0.002866309	Intergenic	NA	NA
10	16121686	16121778	1	-0.117759	5	0.011	0.088	0.6406	0.75836	0.02463877	Intergenic	NA	NA
10	16933197	16933312	1	-0.115949	5	0.0045	0.024	0.16339	0.27934	0.011905878	Intergenic	NA	NA
10	16948192	16948279	1	-0.152284	6	2.40E-05	0.00029	0.25486	0.40715	0.000160049	Intragenic	NM_001142652	Neurl1b
10	16963750	16963987	1	-0.151859	5	0.00026	0.0032	0.069957	0.22182	0.001130807	Intragenic	NM_001142652	Neurl1b
10	17660732	17661068	1	-0.063775	9	0.00041	0.018	0.064534	0.12831	0.001662832	Intergenic	NA	NA
10	17873805	17873883	1	-0.081347	5	8.10E-06	0.00014	0.033721	0.11507	6.58E-05	Intergenic	NA	NA
10	18014422	18014549	1	-0.06535	7	4.50E-05	0.00016	0.0071429	0.072493	0.000268503	Intergenic	NA	NA
10	18578375	18578505	1	-0.140041	5	0.016	0.086	0.18213	0.32217	0.033288089	Intragenic	NM_001261389:NM_022929:NM_01261387:NM_001261388	Kcnp1:Kcnp1:Kcnp1:Kcnp1
10	19091654	19091734	1	-0.160876	5	0.0011	0.0018	0.37938	0.54026	0.003737263	Intergenic	NA	NA
10	19466642	19466769	1	-0.185533	5	0.008	0.038	0.22519	0.41072	0.019059477	Intergenic	NA	NA
10	19521060	19521144	1	-0.223048	5	0.0024	0.0053	0.47026	0.6933	0.00705499	Intragenic	NM_001034138	Spdl1
10	20282475	20282597	1	-0.191848	5	0.0063	0.038	0.37648	0.56832	0.015629046	Intragenic	NM_031321	Slit3
10	20622943	20623086	1	-0.131082	5	0.00048	0.00098	0.12363	0.25472	0.001881331	Intergenic	NA	NA
10	20679186	20679339	0.18	-0.18656	9	1.00E-07	5.50E-07	0.13436	0.32092	1.72E-06	Intergenic	NA	NA
10	20680415	20680505	1	-0.08038	5	0.0038	0.025	0.03917	0.11955	0.010352437	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	20773954	20774032	1	-0.146506	5	0.0049	0.025	0.26868	0.41519	0.012753585	Intragenic	NM_020088	Tenm2
10	20903059	20903165	1	-0.215259	5	0.00036	0.0092	0.28757	0.50283	0.001486639	Intragenic	NM_020088	Tenm2
10	21743022	21743047	1	-0.098661	5	0.0094	0.088	0.16523	0.26389	0.021723038	Intergenic	NA	NA
10	21996297	21996367	1	-0.114432	5	0.0049	0.025	0.72799	0.84242	0.012753585	Intergenic	NA	NA
10	23889073	23889123	1	-0.128222	5	0.0024	0.0055	0.24769	0.37591	0.00705499	Intragenic	NM_053820	Ebf1
10	28908955	28909003	1	-0.082866	5	0.01	0.059	0.10573	0.18859	0.02275947	TSS	NM_001191918	C1qtnf2
10	28953399	28953511	1	-0.15074	7	0.0015	0.0054	0.21428	0.36502	0.004849475	Intergenic	NA	NA
10	30983965	30984039	1	-0.278848	6	0.00014	0.00027	0.43739	0.71624	0.000684451	Intragenic	NM_001160228	Adam19
10	31693047	31693097	6.00E-08	-0.24479	10	7.00E-14	1.80E-13	0.024764	0.26955	8.01E-12	Intergenic	NA	NA
10	34201666	34201696	1	-0.126656	5	1.50E-06	7.60E-06	0.052628	0.17928	1.65E-05	Intergenic	NA	NA
10	34784766	34784984	1	-0.128268	7	0.0072	0.018	0.25131	0.37958	0.017539509	Intergenic	NA	NA
10	34874909	34874949	1	-0.153028	5	0.0017	0.015	0.16496	0.31799	0.005339493	Intragenic	NM_053652	Flt4
10	35051843	35051981	1	-0.081883	9	0.0032	0.0084	0.085194	0.16708	0.008990975	TSS	NM_001002819	Gfpt2
10	35495349	35495507	1	-0.13121	10	0.0084	0.029	0.31	0.44121	0.019933412	Intragenic	NM_001127533	Mgat4b
10	35627328	35627524	1	-0.204649	5	0.00036	0.00013	0.16059	0.36524	0.001486639	Intergenic	NA	NA
10	35730926	35731019	1	-0.163461	6	0.02	0.12	0.274	0.43746	0.039778219	Intergenic	NA	NA
10	36878009	36878227	1	-0.128268	7	0.0072	0.018	0.25131	0.37958	0.017539509	Intergenic	NA	NA
10	37466833	37466922	1	-0.27348	7	2.90E-05	0.0013	0.36908	0.64256	0.000187968	Intergenic	NA	NA
10	37926671	37926869	1	0.100757	5	0.02	0.13	0.551	0.45025	0.039778219	Intragenic	NM_001107000	Fstl4
10	38605536	38605584	1	-0.054561	5	0.002	0.024	0.1171	0.17166	0.006079939	Intergenic	NA	NA
10	38750634	38750774	1	-0.109537	5	0.012	0.015	0.15471	0.26424	0.026435197	TSS	NM_201270	Ii4
10	38961555	38961689	1	-0.080656	5	0.019	0.13	0.064708	0.14536	0.038322088	Intergenic	NA	NA
10	39222289	39222554	1	-0.13344	5	0.0011	0.039	0.14276	0.2762	0.003737263	Intragenic	NM_001108275	P4ha2
10	39980598	39980630	1	-0.209263	5	3.10E-05	0.00051	0.21186	0.42112	0.000197418	TSS	NM_001109607	Hint1
10	40009281	40009399	0.0022	-0.35676	5	6.30E-08	6.80E-09	0.14378	0.50054	1.18E-06	Intergenic	NA	NA
10	40095086	40095189	1	-0.29657	5	2.40E-05	6.90E-05	0.25942	0.55599	0.000160049	Intragenic	NM_024156	Anxa6
10	40095195	40095226	9.80E-06	-0.305434	8	7.50E-12	3.00E-11	0.47413	0.77957	4.48E-10	Intragenic	NM_024156	Anxa6
10	40096504	40096572	1	-0.149938	5	0.01	0.0055	0.61516	0.7651	0.02275947	Intragenic	NM_024156	Anxa6
10	42888180	42888297	1	-0.167335	5	0.021	0.024	0.42177	0.58911	0.041207871	Intragenic	NM_130742	Galnt10
10	42944701	42944903	1	-0.15715	6	0.00084	0.0069	0.064567	0.22172	0.002993559	Intragenic	NM_130742	Galnt10
10	43050172	43050187	1	-0.068302	5	0.0087	0.13	0.1108	0.17911	0.020391633	Intragenic	NM_021592	Hand1
10	43052277	43052332	1	-0.071611	5	0.01	0.038	0.097576	0.16919	0.02275947	TSS	NM_021592	Hand1
10	43089957	43090046	1	-0.074184	7	0.013	0.027	0.7084	0.78258	0.028097302	Intergenic	NA	NA
10	43107577	43107670	1	-0.178534	5	0.01	0.0087	0.44468	0.62321	0.02275947	Intergenic	NA	NA
10	43152187	43152355	1	-0.155734	8	0.00025	0.0088	0.2815	0.43723	0.001103692	Intergenic	NA	NA
10	43194356	43194486	1	-0.114945	5	0.002	0.0055	0.12487	0.23981	0.006079939	Intergenic	NA	NA
10	44984905	44984990	1	-0.081018	5	0.0087	0.038	0.75293	0.83395	0.020391633	Intragenic	NM_001107004	Zfp39
10	45070733	45070766	1	-0.114095	5	1.30E-06	3.40E-05	0.017485	0.13158	1.46E-05	Intragenic	NM_022798	Trim17
10	45094514	45094581	1	-0.056187	12	8.10E-05	0.0038	0.061772	0.11796	0.000437473	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	45236707	45236744	1	-0.05777	5	3.90E-05	0.00098	0.02896	0.08673	0.000237659	Intergenic	NA	NA
10	45284324	45284363	1	-0.052693	5	0.013	0.059	0.074794	0.12749	0.028097302	Intragenic	NM_001100784	Gjc2
10	45284381	45284527	0.062	-0.11914	19	9.30E-11	1.90E-07	0.15356	0.2727	4.22E-09	Intragenic	NM_001100784	Gjc2
10	45391208	45391386	1	-0.126915	5	0.012	0.0055	0.065649	0.19256	0.026435197	Intragenic	NM_001107005	Wnt3a
10	45492204	45492278	1	-0.08945	5	0.0058	0.015	0.14763	0.23708	0.014624129	Intergenic	NA	NA
10	46047793	46047924	1	-0.229299	6	7.50E-07	2.30E-05	0.15208	0.38138	9.35E-06	Intergenic	NA	NA
10	46428103	46428283	1	-0.136924	5	0.0045	0.0054	0.17249	0.30942	0.011905878	Intragenic	NM_001108277	Tom1l2
10	46721724	46721859	1	-0.178154	5	0.00023	0.0031	0.093381	0.27153	0.00102405	Intragenic	NM_001304613	Llg1
10	47427925	47428052	1	-0.242112	5	0.00015	0.00014	0.16462	0.40673	0.000724207	Intragenic	NM_001014118	Slc47a1
10	47754636	47754813	1	-0.095401	17	1.00E-07	1.70E-05	0.12918	0.22458	1.72E-06	Intragenic	NM_001107007	Slc5a10
10	48107757	48108038	0.021	-0.184702	13	3.50E-11	6.50E-08	0.098993	0.28369	1.72E-09	Intragenic	NM_001039017	Specc1
10	48653958	48654056	1	-0.123711	5	0.0013	0.00098	0.28513	0.40884	0.004277683	Intergenic	NA	NA
10	48664755	48664940	1	-0.166993	6	4.90E-05	0.0027	0.13622	0.30321	0.000290925	TSS	NM_138895	Ubb
10	48776588	48776663	1	-0.205233	6	0.00028	0.0024	0.55487	0.76011	0.001214715	Intergenic	NA	NA
10	50138594	50139037	4.90E-05	-0.112889	31	4.50E-14	1.50E-10	0.15359	0.26648	6.64E-12	Intragenic	NM_001191646	Hs3st3b1
10	50167207	50167298	1	-0.128576	5	0.0032	0.0055	0.12805	0.25662	0.008990975	Intragenic	NM_001191646	Hs3st3b1
10	50778934	50779357	0.0012	-0.109354	29	7.10E-14	3.80E-09	0.15945	0.2688	8.05E-12	Intragenic	NM_001172067	Hs3st3a1
10	51213073	51213181	1	-0.207949	8	0.00053	0.0039	0.39726	0.60521	0.002069204	Intergenic	NA	NA
10	52074738	52074807	1	-0.240124	5	7.00E-05	0.0017	0.40616	0.64629	0.000386221	Intergenic	NA	NA
10	53395462	53395615	1	-0.111163	8	0.00016	0.0052	0.14535	0.25652	0.000769396	Intragenic	NM_012604	Myh3
10	54277906	54278148	1	-0.158347	7	0.00058	0.0082	0.35558	0.51393	0.002226081	Intragenic	NM_031656	Stx8
10	54361765	54361816	0.0023	-0.32991	7	2.80E-10	7.10E-09	0.11738	0.44729	1.12E-08	Intragenic	NM_031656	Stx8
10	54439195	54439369	1	-0.208687	5	0.0008	0.00094	0.1636	0.37229	0.002866309	Intragenic	NM_031656	Stx8
10	54724832	54724980	1	-0.054565	8	4.20E-05	0.00059	0.047126	0.10169	0.00025452	Intergenic	NA	NA
10	55142969	55143044	1	-0.245103	5	7.10E-06	7.10E-05	0.48656	0.73166	5.86E-05	Intragenic	NM_031520	Myh10
10	55285673	55285806	1	-0.112535	7	0.0012	0.013	0.11792	0.23045	0.004013471	TSS	NM_001105789	Arhgef15
10	55742263	55742314	1	-0.160075	5	0.0019	0.015	0.27924	0.43931	0.005855937	TSS	NM_001128155	Tmem88
10	55743858	55743931	1	-0.100228	8	0.0042	0.018	0.14952	0.24975	0.011250869	TSS	NM_001128155	Tmem88
10	55750155	55750284	1	-0.188033	8	0.0062	0.066	0.39945	0.58749	0.015570617	TSS	NM_001108829	Kdm6b
10	56005788	56005932	1	-0.19588	5	0.00017	0.0055	0.19106	0.38694	0.000806192	TSS	NM_001108830	Sox15
10	56045274	56045367	1	-0.072156	5	4.40E-05	7.00E-05	0.0071429	0.079299	0.000263321	TSS	NM_001001513	Tnfsf12
10	56200258	56200302	1	-0.229032	7	6.60E-06	4.80E-05	0.42507	0.65411	5.57E-05	TSS	NM_001012139	Plscr3
10	56292248	56292418	1	-0.084494	8	0.0033	0.035	0.13184	0.21633	0.009256793	TSS	NM_001305212	Ybx2
10	56362353	56362653	1	-0.214372	5	0.0019	0.00053	0.37108	0.58545	0.005855937	Intragenic	NM_001172056	Dvl2
10	56381075	56381277	1	-0.129768	12	5.60E-05	0.0053	0.10347	0.23324	0.000320912	Intragenic	NM_019621	Dlg4
10	56411441	56411559	1	-0.086007	5	0.025	0.015	0.42488	0.51089	0.047453009	Intergenic	NA	NA
10	56569193	56569242	1	-0.055834	5	0.0024	0.0055	0.003125	0.058959	0.00705499	TSS	NM_001105797	Slc16a11
10	56570099	56570291	1	-0.14486	9	9.10E-06	0.00012	0.049413	0.19427	7.32E-05	Intragenic	NM_001105797	Slc16a11
10	56828022	56828286	0.6	-0.16985	17	6.40E-10	1.90E-06	0.18668	0.35653	2.26E-08	Intragenic	NM_001105800	Zmynd15

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	56985033	56985069	1	-0.076999	5	4.40E-05	7.10E-05	0.048291	0.12529	0.000263321	TSS	NM_001145538	LOC687707
10	58191752	58191852	1	-0.140729	5	0.0094	0.059	0.23297	0.3737	0.021723038	Intergenic	NA	NA
10	58360969	58361183	1	-0.141277	6	0.0078	0.026	0.4184	0.55967	0.018765285	Intergenic	NA	NA
10	58573992	58574084	1	-0.092941	5	0.00039	0.0018	0.036531	0.12947	0.001587612	TSS	NM_170668	Slc13a5
10	58889989	58890022	1	0.055305	5	1.90E-05	0.00098	0.98612	0.93082	0.000131674	Intergenic	NA	NA
10	61402943	61403024	1	-0.196124	5	1.80E-07	3.40E-06	0.075799	0.27192	2.78E-06	Intergenic	NA	NA
10	61723035	61723052	1	-0.062451	5	0.0022	0.0093	0.095593	0.15804	0.006578104	Intragenic	NM_001107021	Hic1
10	61723346	61723596	1	-0.078136	26	0.001	0.016	0.15372	0.2146	0.003452169	TSS	NM_001107021	Hic1
10	61770721	61770827	1	-0.138642	5	0.00039	0.0054	0.10328	0.24193	0.001587612	Intragenic	NM_181377	Rtn4r1
10	61978684	61978759	1	-0.169583	5	0.0019	0.0092	0.32355	0.49313	0.005855937	Intergenic	NA	NA
10	61987065	61987177	1	-0.205	5	1.50E-05	0.00098	0.21185	0.41685	0.000109113	TSS	NM_001011892	Serpinf2
10	62192720	62193041	1	-0.051868	18	2.50E-05	0.0097	0.056538	0.10841	0.000166164	Intergenic	NA	NA
10	62193058	62193308	1	-0.078136	26	0.001	0.016	0.15372	0.2146	0.003452169	Intergenic	NA	NA
10	62388165	62388328	0.054	-0.163947	16	1.50E-09	1.70E-07	0.30196	0.4659	4.72E-08	Intergenic	NA	NA
10	63250329	63250390	1	-0.086092	5	0.011	0.025	0.11976	0.20585	0.02463877	Intergenic	NA	NA
10	63428500	63428929	1	-0.151715	16	8.70E-08	7.10E-06	0.16493	0.31665	1.57E-06	Intragenic	NM_001105814	Abr
10	63568405	63568528	1	-0.205003	12	3.10E-07	0.0002	0.26532	0.47032	4.47E-06	Intragenic	NM_001108285	Nxn
10	63810583	63810813	9.80E-07	-0.083478	27	4.70E-14	3.00E-12	0.093373	0.17685	6.64E-12	TSS	NM_001007611	Fam101b
10	63889955	63890138	1	-0.160468	10	0.00087	0.0049	0.34015	0.50062	0.003092094	Intergenic	NA	NA
10	64496475	64496711	1	-0.202939	8	3.90E-07	0.00014	0.15201	0.35495	5.46E-06	Intergenic	NA	NA
10	64646593	64646736	1	-0.247083	5	0.0063	0.0018	0.34679	0.59387	0.015629046	Intragenic	NM_001107023	Rab11fip4
10	65078009	65078064	1	-0.295299	5	0.00044	0.0054	0.3161	0.61139	0.001760146	Intergenic	NA	NA
10	65078100	65078456	1	-0.123095	5	4.40E-05	0.00027	0.056133	0.17923	0.000263321	Intergenic	NA	NA
10	65296312	65296561	1	-0.137409	5	0.015	0.18	0.21356	0.35097	0.031584896	Intragenic	NM_001108284	Ksr1
10	65319966	65320215	1	-0.127953	5	0.023	0.18	0.22302	0.35097	0.04441443	Intergenic	NA	NA
10	65962005	65962242	1	-0.106918	5	0.013	0.025	0.32628	0.43319	0.028097302	Intragenic	NM_031746	Slc13a2
10	65974878	65975119	1	-0.248131	7	2.00E-06	0.00029	0.15751	0.40564	2.10E-05	Intragenic	NM_031746	Slc13a2
10	65978755	65978988	1	-0.132226	11	0.0039	0.061	0.33119	0.46342	0.010605635	Intragenic	NM_031746	Slc13a2
10	66207332	66207549	1	-0.209241	5	5.00E-05	0.00053	0.099999	0.30924	0.000291675	Intragenic	NM_001105804	Nek8
10	66213968	66214048	1	-0.121377	5	0.025	0.088	0.19653	0.3179	0.047453009	Intragenic	NM_001107017	Traf4
10	66479859	66479923	1	-0.078492	5	0.0041	0.0055	0.8239	0.90239	0.01100507	Intergenic	NA	NA
10	66547792	66547948	1	-0.133021	5	7.00E-05	0.0032	0.10701	0.24003	0.000386221	Intragenic	NM_001172137	Myo18a
10	66555516	66555724	1	-0.166067	6	3.10E-05	9.10E-05	0.081927	0.24799	0.000197418	Intragenic	NM_001172137	Myo18a
10	66560005	66560555	1	-0.1695	13	7.10E-08	2.60E-05	0.15349	0.32299	1.32E-06	Intragenic	NM_001172137	Myo18a
10	66609571	66609780	1	-0.243101	7	7.00E-08	3.00E-05	0.12396	0.36706	1.30E-06	Intragenic	NM_001172137	Myo18a
10	66754391	66754493	1	-0.084325	6	2.30E-06	8.80E-05	0.02403	0.10836	2.36E-05	Intragenic	NM_001105754	Sez6
10	67321661	67321732	1	-0.235058	5	5.60E-05	0.00028	0.253	0.48806	0.000320912	Intragenic	NM_001012010	Rnf135
10	67327963	67328065	1	-0.151624	5	0.0049	0.003	0.22502	0.37665	0.012753585	Intragenic	NM_001012010	Rnf135

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	67956885	67957115	1	-0.207471	7	0.00012	0.0013	0.12509	0.33256	0.000603617	Intragenic	NM_001034014:NM_012892	Asic2:Asic2
10	68996513	68996623	1	-0.153334	5	0.00015	0.0018	0.20248	0.35582	0.000724207	Intergenic	NA	NA
10	70084086	70084124	1	-0.065066	5	0.017	0.0091	0.76941	0.83448	0.034796287	Intergenic	NA	NA
10	70091372	70091473	1	-0.097057	5	0.008	0.039	0.5233	0.62036	0.019059477	Intergenic	NA	NA
10	70278750	70278826	1	-0.072952	5	0.012	0.0055	0.11769	0.19064	0.026435197	TSS	NM_001105823	Gas2l2
10	70279915	70280031	1	-0.22426	5	9.80E-05	0.0032	0.30837	0.53263	0.000512474	TSS	NM_001105823	Gas2l2
10	70727736	70727883	1	-0.139867	5	0.00011	3.30E-05	0.042706	0.18257	0.000565143	Intergenic	NA	NA
10	70777350	70777466	1	-0.056296	7	0.00043	0.00047	0.024749	0.081045	0.001736911	TSS	NM_001308148:NM_001308149:NM_013103	Hnf1b:Hnf1b:Hnf1b
10	71106945	71107021	1	-0.072952	5	0.012	0.0055	0.11769	0.19064	0.026435197	TSS	NM_001105823	Gas2l2
10	71108110	71108226	1	-0.22426	5	9.80E-05	0.0032	0.30837	0.53263	0.000512474	TSS	NM_001105823	Gas2l2
10	71297023	71297076	0.00024	-0.131154	9	1.40E-12	7.50E-10	0.04166	0.17281	1.04E-10	TSS	NM_001270836:NM_001270835:NM_001079893	Dusp14:Dusp14:Dusp14
10	71756459	71756600	1	-0.062452	7	0.0014	0.013	0.03531	0.097762	0.004540837	TSS	NM_145880	Lhx1
10	71995542	71995740	1	-0.177235	5	0.0014	0.0093	0.40442	0.58165	0.004540837	Intergenic	NA	NA
10	72189957	72190006	1	-0.324559	6	2.10E-06	0.00028	0.3808	0.70536	2.20E-05	Intergenic	NA	NA
10	73152209	73152256	1	-0.156584	5	0.0063	0.038	0.3333	0.48989	0.015629046	Intragenic	NM_001173430	Bcas3
10	73180555	73180652	1	-0.061046	8	7.90E-05	0.00088	0.068778	0.12982	0.000427247	Intergenic	NA	NA
10	73188333	73188401	1	-0.060625	5	0.016	0.088	0.10269	0.16331	0.033288089	Intragenic	NM_001107033	Tbx2
10	73235109	73235158	1	-0.124854	5	0.025	0.25	0.42023	0.54508	0.047453009	TSS	NM_001107034	Tbx4
10	73239264	73239277	1	0.065712	5	0.0008	0.0055	0.13212	0.066412	0.002866309	Intragenic	NM_001107034	Tbx4
10	74171218	74171355	1	-0.089358	5	0.01	0.015	0.052223	0.14158	0.02275947	Intergenic	NA	NA
10	74589222	74589278	1	-0.141006	5	0.0016	0.0017	0.4131	0.55411	0.005100053	Intergenic	NA	NA
10	75029690	75030671	0.15	-0.157629	27	4.00E-09	4.50E-07	0.25522	0.41284	1.08E-07	Intergenic	NA	NA
10	75828170	75828360	1	-0.211737	5	0.011	0.038	0.33991	0.55164	0.02463877	Intragenic	NM_001108286	Ypel2
10	75929984	75930166	1	-0.132907	10	0.00025	0.02	0.36496	0.49787	0.001103692	Intergenic	NA	NA
10	77402097	77402325	1	-0.123303	5	0.0045	0.025	0.22586	0.34916	0.011905878	Intragenic	NM_001017479	Tmem100
10	77720017	77720068	1	-0.18131	5	7.80E-05	0.00014	0.097275	0.27859	0.000422981	Intergenic	NA	NA
10	80990220	80990359	1	-0.157911	5	0.0058	0.015	0.1339	0.29181	0.014624129	Intergenic	NA	NA
10	81584803	81584898	1	-0.058913	5	0.00012	0.00098	0.029807	0.08872	0.000603617	Intragenic	NM_001108290	Spag9
10	81669654	81669767	1	-0.17351	7	1.00E-05	0.00075	0.16352	0.33703	7.82E-05	Intergenic	NA	NA
10	81672705	81672895	1	-0.133226	8	4.10E-06	9.80E-06	0.06818	0.20141	3.78E-05	Intergenic	NA	NA
10	81692868	81693297	1	-0.157776	6	8.40E-06	0.00091	0.052734	0.21051	6.80E-05	Intergenic	NA	NA
10	81775751	81775855	1	-0.050178	5	0.013	0.039	0.07967	0.12985	0.028097302	Intergenic	NA	NA
10	82111869	82112217	1	-0.101354	12	0.0085	0.11	0.25992	0.36128	0.020154795	TSS	NM_019164	Chad
10	82237760	82237859	1	-0.130539	5	0.00039	0.015	0.47557	0.60611	0.001587612	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	82241432	82241547	1	-0.117551	7	0.00083	0.0074	0.4162	0.53375	0.002961434	Intergenic	NA	NA
10	82549998	82550068	1	-0.186147	5	8.80E-05	0.00014	0.21424	0.40039	0.000466886	Intergenic	NA	NA
10	82661577	82661767	0.39	-0.258785	7	1.70E-07	1.20E-06	0.10447	0.36325	2.66E-06	Intragenic	NM_030872	Pdk2
10	83162750	83162816	1	-0.101118	6	0.005	0.018	0.15162	0.25274	0.012977322	Intergenic	NA	NA
10	83361689	83361730	1	-0.192921	5	0.0017	0.015	0.34125	0.53417	0.005339493	TSS	NM_001080207	Zfp652
10	83446429	83446614	2.20E-10	-0.149269	17	4.20E-14	6.90E-16	0.061058	0.21033	6.64E-12	Intragenic	NM_001105833	Phospho1
10	83482295	83482352	1	-0.202672	5	0.0029	0.0031	0.5224	0.72508	0.008293503	Intergenic	NA	NA
10	83612913	83612974	1	-0.091902	5	0.021	0.088	0.16398	0.25589	0.041207871	Intragenic	NM_175594	Igf2bp1
10	83734529	83734626	1	-0.113696	5	0.0029	0.059	0.16524	0.27894	0.008293503	Intergenic	NA	NA
10	83915474	83915767	1	-0.08925	17	0.0034	0.068	0.28867	0.37792	0.009519525	TSS	NR_032269	Mir196c
10	83955941	83956026	1	-0.060577	5	0.017	0.13	0.073035	0.13361	0.034796287	TSS	NM_001191925	Hoxb5
10	83956342	83956412	0.11	-0.179226	10	1.10E-09	3.30E-07	0.18368	0.3629	3.60E-08	TSS	NM_001191925:NR_132637	Hoxb5:Hoxb5os
10	83962043	83962182	1	-0.091307	9	0.00097	0.018	0.1212	0.21251	0.003366009	Intergenic	NA	NA
10	83971577	83971793	3.50E-06	-0.052917	20	4.50E-14	1.10E-11	0.014299	0.067216	6.64E-12	TSS	NM_001100787	Hoxb4
10	83978347	83978434	1	-0.176528	5	0.0041	0.015	0.34816	0.52469	0.01100507	Intergenic	NA	NA
10	83984785	83984858	1	-0.133224	5	0.002	0.015	0.23638	0.36961	0.006079939	Intergenic	NA	NA
10	83996121	83996283	0.01	-0.231109	7	2.30E-08	3.20E-08	0.168	0.3991	5.20E-07	TSS	NM_001107042	Hoxb3
10	84006238	84006485	0.001	-0.121415	18	1.20E-13	3.10E-09	0.051882	0.1733	1.24E-11	Intergenic	NA	NA
10	84018051	84018167	1	-0.194792	9	3.80E-05	0.0018	0.46823	0.66302	0.000235506	Intergenic	NA	NA
10	84067490	84067600	1	-0.156511	5	0.0045	0.088	0.28722	0.44373	0.011905878	Intergenic	NA	NA
10	84067640	84067758	1	-0.258108	5	2.40E-05	3.40E-05	0.19024	0.44834	0.000160049	Intergenic	NA	NA
10	84082229	84082289	1	-0.170417	5	0.0032	0.015	0.23515	0.40556	0.008990975	Intergenic	NA	NA
10	84092400	84092683	1	-0.161463	5	0.0008	0.00097	0.11466	0.27612	0.002866309	Intergenic	NA	NA
10	84158822	84158949	1	-0.200363	5	0.00023	0.00053	0.15707	0.35743	0.00102405	Intragenic	NM_173311	Skap1
10	84255495	84255592	1	-0.060444	9	0.0024	0.0084	0.89035	0.95079	0.00705499	Intragenic	NM_173311	Skap1
10	84276941	84277021	1	-0.051718	5	0.021	0.18	0.05249	0.10421	0.041207871	Intragenic	NM_173311	Skap1
10	84280285	84280366	1	-0.198581	5	6.20E-05	0.00052	0.43282	0.6314	0.000349462	Intragenic	NM_173311	Skap1
10	84298872	84298977	1	-0.172558	5	0.021	0.088	0.39966	0.57222	0.041207871	Intragenic	NM_173311	Skap1
10	84489469	84489710	1	-0.099386	7	0.011	0.038	0.17418	0.27356	0.02463877	Intergenic	NA	NA
10	84657732	84657935	0.27	-0.194926	8	8.40E-09	8.30E-07	0.084471	0.2794	2.15E-07	Intergenic	NA	NA
10	84731751	84731790	1	-0.199938	5	0.00054	0.0032	0.2868	0.48673	0.002077867	Intergenic	NA	NA
10	84863672	84864097	8.90E-26	-0.143177	42	4.50E-14	2.70E-31	0.042522	0.1857	6.64E-12	Intragenic	NM_172021	Tbkbp1
10	85064196	85064341	1	-0.108955	7	0.0017	0.0079	0.13087	0.23982	0.005339493	Intergenic	NA	NA
10	85194399	85194536	1	-0.184049	8	0.0011	0.0059	0.42973	0.61378	0.003737263	Intergenic	NA	NA
10	85232503	85232534	1	-0.209275	5	8.80E-05	0.0092	0.14136	0.35063	0.000466886	Intergenic	NA	NA
10	85232553	85232598	1	-0.266261	5	1.30E-06	3.40E-06	0.15146	0.41773	1.46E-05	Intergenic	NA	NA
10	85232617	85232878	4.60E-05	-0.115835	36	4.50E-14	1.40E-10	0.14207	0.25791	6.64E-12	Intergenic	NA	NA
10	85254713	85254837	1	-0.179226	7	4.50E-05	0.0021	0.28753	0.46675	0.000268503	Intragenic	NM_019378	Srcin1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	85266212	85266287	1	-0.107336	11	4.60E-06	0.0013	0.29214	0.39948	4.18E-05	Intragenic	NM_019378	Srcin1
10	85267220	85267299	1	-0.154496	5	0.015	0.088	0.37961	0.53411	0.031584896	Intragenic	NM_019378	Srcin1
10	85275448	85275597	0.49	-0.20107	6	4.90E-07	1.50E-06	0.07344	0.27451	6.54E-06	Intragenic	NM_019378	Srcin1
10	85343930	85344319	1	-0.103177	14	0.00013	0.01	0.12548	0.22865	0.000648758	Intergenic	NA	NA
10	85361386	85361424	1	-0.15859	5	1.50E-05	0.00014	0.11075	0.26934	0.000109113	TSS	NM_001109627	LOC691153
10	85361437	85361722	1	-0.064131	25	4.10E-10	4.80E-06	0.049649	0.11378	1.53E-08	TSS	NM_001109627	LOC691153
10	85361742	85361767	1	-0.054212	5	0.0008	0.0018	0.047099	0.10131	0.002866309	TSS	NM_001109627	LOC691153
10	85426914	85427016	1	-0.270439	5	7.00E-05	0.0018	0.27355	0.54399	0.000386221	Intergenic	NA	NA
10	85468276	85468555	1	-0.217557	5	0.0038	0.0051	0.43601	0.65356	0.010352437	Intragenic	NM_053550	Pip4k2b
10	85548751	85548862	1	-0.223812	5	0.01	0.0017	0.25201	0.47582	0.02275947	Intragenic	NM_032613	Laspl
10	85708072	85708151	1	-0.083107	5	5.00E-05	0.00098	0.081572	0.16468	0.000291675	Intragenic	NM_001107046	Plxdc1
10	85886180	85886338	1	-0.168253	5	0.0068	0.024	0.19731	0.36557	0.016642688	Intragenic	NM_022272	Fbxl20
10	86106885	86107153	1	-0.179685	5	0.0045	0.024	0.25314	0.43283	0.011905878	Intragenic	NM_138521	Ppp1r1b
10	86199341	86199494	1	-0.259143	5	0.00029	0.0053	0.31144	0.57059	0.001239307	Intragenic	NM_053403	Grb7
10	86361394	86361470	1	-0.078441	5	0.0049	0.015	0.13982	0.21826	0.012753585	Intergenic	NA	NA
10	86361947	86362015	1	-0.050696	5	0.00072	0.0054	0.049251	0.099947	0.002634665	Intergenic	NA	NA
10	86480184	86480255	1	-0.269337	5	1.10E-06	7.60E-06	0.14355	0.41289	1.27E-05	Intragenic	NM_031134:NM_145775:NM_001113422	Thra:Nr1d1:Nr1d1
10	86572761	86573160	1	-0.072865	5	0.0017	0.015	0.057196	0.13006	0.005339493	Intergenic	NA	NA
10	86626512	86626586	1	-0.162035	5	0.00023	0.0055	0.17418	0.33621	0.00102405	Intragenic	NM_001108298	Cdc6
10	86632299	86632535	1	-0.164198	7	0.0059	0.039	0.17687	0.34107	0.014851341	Intergenic	NA	NA
10	86641780	86641958	1	-0.06683	14	0.00017	0.0071	0.034907	0.08279	0.000806192	Intergenic	NA	NA
10	86641978	86642010	1	-0.083848	5	0.00014	0.00053	0.016954	0.1008	0.000684451	Intergenic	NA	NA
10	86678406	86679796	0.024	-0.152798	32	1.90E-11	7.40E-08	0.1752	0.328	9.88E-10	Intragenic	NM_031528	Rara
10	87064349	87064432	1	-0.200787	7	8.40E-05	0.00082	0.2642	0.46499	0.000451848	Intergenic	NA	NA
10	88056699	88056781	1	-0.215759	5	0.0038	0.0018	0.44735	0.66311	0.010352437	Intragenic	NM_024133:NM_177982	Hap1:Hap1
10	88077417	88077512	1	-0.185634	6	0.0065	0.027	0.4939	0.67954	0.016085358	Intragenic	NM_031047	Jup
10	88093818	88094423	1	-0.184612	11	0.00018	0.0013	0.23805	0.42266	0.000849258	Intragenic	NM_031047	Jup
10	88096537	88096669	1	-0.159269	5	0.02	0.038	0.14406	0.30333	0.039778219	Intragenic	NM_031047	Jup
10	88336100	88336290	1	-0.171413	7	0.0017	0.0035	0.31206	0.48347	0.005339493	Intergenic	NA	NA
10	88371949	88372005	1	-0.073765	5	0.0016	0.025	0.086507	0.16027	0.005100053	Intergenic	NA	NA
10	88372056	88372093	1	0.149203	5	6.20E-05	0.00014	0.2542	0.105	0.000349462	Intergenic	NA	NA
10	88527425	88527561	1	-0.241521	5	0.0063	0.015	0.18698	0.4285	0.015629046	Intergenic	NA	NA
10	88660343	88660412	1	-0.163827	5	0.00065	0.015	0.12274	0.28657	0.002426546	Intragenic	NM_001105841	Ptrf
10	88730071	88730163	1	-0.381996	5	5.60E-07	7.50E-06	0.23935	0.62135	7.29E-06	Intragenic	NM_031604	Atp6v0a1
10	88786397	88786710	1	-0.175645	15	2.30E-09	4.70E-06	0.15187	0.32752	6.77E-08	TSS	NM_012851	Hsd17b1
10	88876276	88876341	1	-0.121595	5	0.015	0.024	0.56671	0.6883	0.031584896	Intragenic	NM_001037202	Plekhh3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	88876360	88876381	1	-0.191231	5	0.00054	0.0092	0.37687	0.5681	0.002077867	Intragenic	NM_001037202	Plekhh3
10	88876418	88876486	0.019	-0.278146	10	5.30E-11	5.90E-08	0.23105	0.50919	2.50E-09	Intragenic	NM_001037202	Plekhh3
10	88886723	88886941	1	-0.169037	6	0.00072	0.0045	0.25587	0.4249	0.002634665	TSS	NM_001108836:NM_032061	Ccr10:Cntnap1
10	89376757	89376973	0.0022	-0.131508	13	4.30E-11	6.90E-09	0.086388	0.2179	2.08E-09	TSS	NM_001107052	Arl4d
10	89378775	89378891	1	-0.144396	5	1.90E-05	0.00053	0.096543	0.24094	0.000131674	Intergenic	NA	NA
10	89645692	89645811	1	-0.052447	5	0.019	0.038	0.03645	0.088897	0.038322088	Intergenic	NA	NA
10	89708792	89708823	1	-0.172766	5	0.0008	0.00053	0.09342	0.26619	0.002866309	TSS	NM_001173376:NM_001134601	Dusp3:RGD1565533
10	89875509	89875640	1	-0.163365	5	0.00048	0.0093	0.11341	0.27677	0.001881331	Intragenic	NM_001107053	Nags
10	90136784	90136845	1	-0.086801	5	3.70E-06	1.60E-05	0.058878	0.14568	3.46E-05	Intragenic	NM_198758	Rundc3a
10	90172641	90172664	1	-0.051866	5	0.0019	0.0055	0.0019231	0.053789	0.005855937	Intergenic	NA	NA
10	90172680	90172701	1	-0.059904	5	0.0014	0.0055	0.0038647	0.063769	0.004540837	Intergenic	NA	NA
10	90172711	90172993	1	-0.116481	5	0.0035	0.015	0.035314	0.15179	0.009686665	Intergenic	NA	NA
10	90172997	90173020	0.0053	-0.228786	5	6.30E-08	1.70E-08	0.084574	0.31336	1.18E-06	Intergenic	NA	NA
10	90173025	90173047	0.0057	-0.189637	5	6.30E-08	1.80E-08	0.045546	0.23518	1.18E-06	Intergenic	NA	NA
10	90173062	90173266	0.049	-0.19847	21	9.90E-09	1.50E-07	0.073276	0.2186	2.48E-07	Intergenic	NA	NA
10	90173281	90173430	3.60E-14	-0.159484	16	4.20E-14	1.10E-19	0.032223	0.19171	6.64E-12	Intergenic	NA	NA
10	90173460	90173481	1	-0.159096	5	0.0013	0.0091	0.21088	0.36998	0.004277683	Intergenic	NA	NA
10	90173508	90173541	1	-0.232846	5	2.50E-06	0.00028	0.15446	0.3873	2.52E-05	Intergenic	NA	NA
10	90173547	90173580	1	-0.182025	5	0.00017	0.003	0.25663	0.43865	0.000806192	Intergenic	NA	NA
10	90178327	90178451	1	-0.060532	7	0.02	0.075	0.73976	0.80029	0.039778219	Intergenic	NA	NA
10	90179768	90179893	1	-0.127043	6	0.0083	0.026	0.18116	0.3082	0.019719474	Intergenic	NA	NA
10	90213587	90213681	1	-0.130584	8	0.0001	0.00037	0.43194	0.56252	0.000521119	Intergenic	NA	NA
10	90344637	90344824	0.99	-0.077108	15	6.70E-10	3.10E-06	0.058733	0.13584	2.33E-08	TSS	NM_172035	Fzd2
10	90344914	90344960	1	-0.064596	5	0.0053	0.015	0.081466	0.14606	0.013591571	TSS	NM_172035	Fzd2
10	90368446	90368582	1	-0.132597	5	0.025	0.18	0.237	0.3696	0.047453009	Intergenic	NA	NA
10	90491082	90491119	1	-0.199972	5	1.90E-05	3.40E-05	0.28724	0.48722	0.000131674	Intergenic	NA	NA
10	90531751	90531931	1	-0.142564	10	3.70E-05	0.00079	0.18023	0.32279	0.000229545	Intragenic	NM_001108300	Adam11
10	90559805	90559935	1	-0.130386	5	0.0013	0.0092	0.7213	0.85168	0.004277683	Intergenic	NA	NA
10	90560562	90560629	1	-0.185133	5	0.011	0.18	0.3775	0.56263	0.02463877	Intergenic	NA	NA
10	90587824	90587916	0.48	-0.360881	5	8.50E-07	1.50E-06	0.26047	0.62135	1.03E-05	Intragenic	NM_001085381	Gjc1
10	90865372	90865520	1	-0.119991	5	0.013	0.039	0.29828	0.41827	0.028097302	Intergenic	NA	NA
10	90946764	90946819	1	-0.165491	5	0.017	0.038	0.36162	0.52711	0.034796287	Intragenic	NM_001105845	Plcd3
10	90947294	90947411	1	-0.110444	13	4.10E-05	0.008	0.15714	0.26758	0.000249467	Intragenic	NM_001105845	Plcd3
10	90960935	90961188	1	-0.272032	8	1.20E-05	8.00E-05	0.21747	0.4895	9.15E-05	TSS	NM_001012013	Acbd4
10	90961770	90962040	1	-0.238994	6	3.50E-06	4.70E-05	0.15493	0.39392	3.33E-05	Intragenic	NM_001012013	Acbd4
10	90968860	90968943	1	-0.195757	5	0.0041	3.40E-05	0.2232	0.41896	0.01100507	Intergenic	NA	NA
10	91011048	91011107	1	-0.067098	5	0.021	0.039	0.24734	0.31444	0.041207871	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	91073015	91073388	1	-0.057875	17	0.00067	0.016	0.072713	0.13059	0.00249888	TSS	NM_001005531	Spata32
10	91096900	91096969	0.036	-0.131366	5	7.30E-08	1.10E-07	0.032512	0.16388	1.35E-06	Intragenic	NM_001108301	Map3k14
10	91193752	91193993	7.80E-05	-0.181194	19	4.50E-14	2.40E-10	0.14876	0.32995	6.64E-12	Intragenic	NM_198759	Arhgap27
10	91208315	91208534	1	-0.204777	5	0.00015	0.00098	0.16866	0.37344	0.000724207	Intragenic	NM_198759	Arhgap27
10	91215338	91215427	1	-0.146423	5	0.0094	0.088	0.3039	0.45033	0.021723038	TSS	NM_198759	Arhgap27
10	91824049	91824156	1	-0.21898	5	0.0053	0.087	0.39583	0.61481	0.013591571	Intergenic	NA	NA
10	92088827	92088985	1	-0.18351	5	0.00048	0.0092	0.21459	0.3981	0.001881331	Intragenic	NM_017212	Mapt
10	93277794	93277947	1	-0.159997	7	0.00043	0.0052	0.1986	0.3586	0.001736911	TSS	NM_001024687	Mrc2
10	93303963	93304057	1	-0.107381	5	0.02	0.088	0.69668	0.80407	0.039778219	Intragenic	NM_001024687	Mrc2
10	93342654	93343023	1	-0.15422	7	5.60E-05	0.0013	0.097443	0.25166	0.000320912	Intergenic	NA	NA
10	93926296	93926429	1	-0.170403	6	5.70E-06	0.00055	0.076095	0.2465	4.91E-05	Intragenic	NM_012544	Ace
10	94305503	94305897	1	-0.102691	8	0.0036	0.012	0.11916	0.22185	0.009945103	TSS	NM_013178	Scn4a
10	94508199	94508304	0.2	-0.256546	7	6.40E-08	6.20E-07	0.11002	0.36657	1.19E-06	Intergenic	NA	NA
10	94606364	94606463	1	-0.215947	5	0.0013	0.0092	0.3093	0.52524	0.004277683	Intragenic	NM_031591	Pecam1
10	95254855	95254988	0.00096	-0.132743	7	3.00E-09	3.00E-09	0.015145	0.14789	8.36E-08	Intergenic	NA	NA
10	95275571	95275716	1	-0.193159	11	0.00015	0.0019	0.41725	0.61041	0.000724207	Intergenic	NA	NA
10	95341497	95341640	0.4	-0.313583	7	1.20E-08	1.20E-06	0.15346	0.46704	2.88E-07	Intergenic	NA	NA
10	95393314	95393392	1	-0.197557	5	0.00072	0.0031	0.11685	0.31441	0.002634665	Intergenic	NA	NA
10	95718706	95718908	0.17	-0.164922	11	5.30E-10	5.40E-07	0.10975	0.27467	1.92E-08	Intragenic	NM_080692	Cacng4
10	95732545	95732608	1	-0.083795	5	0.0022	0.0032	0.82535	0.90915	0.006578104	Intragenic	NM_080692	Cacng4
10	96904074	96904169	1	-0.189621	5	0.0014	0.024	0.2498	0.43942	0.004540837	Intergenic	NA	NA
10	96973070	96973140	1	-0.096077	5	0.0019	0.039	0.083738	0.17981	0.005855937	Intergenic	NA	NA
10	97206386	97206441	0.49	-0.189814	5	4.20E-07	1.50E-06	0.076383	0.2662	5.76E-06	Intergenic	NA	NA
10	97355645	97355808	1	-0.183589	5	9.20E-06	3.40E-05	0.12546	0.30905	7.32E-05	Intergenic	NA	NA
10	97627526	97627624	1	-0.160581	5	1.30E-05	0.00097	0.20074	0.36132	9.66E-05	Intergenic	NA	NA
10	97870044	97870152	1	-0.156165	5	0.00072	0.015	0.26451	0.42068	0.002634665	Intergenic	NA	NA
10	98257758	98257914	1	-0.12851	11	3.90E-06	7.60E-05	0.70896	0.83747	3.62E-05	Intergenic	NA	NA
10	98969691	98969887	1	-0.110502	6	0.0023	0.011	0.17836	0.28886	0.00686004	Intergenic	NA	NA
10	99013569	99013639	1	-0.282407	5	9.80E-07	7.40E-06	0.17476	0.45716	1.16E-05	Intergenic	NA	NA
10	99911584	99911730	1	-0.118	7	0.0069	0.038	0.34309	0.46109	0.01685311	Intergenic	NA	NA
10	100716214	100716514	1	-0.078099	14	0.004	0.094	0.69184	0.76993	0.010872653	Intergenic	NA	NA
10	100761641	100761798	1	-0.120544	5	0.0022	0.058	0.21191	0.33245	0.006578104	Intergenic	NA	NA
10	101061806	101061895	1	-0.115105	5	0.00072	0.015	0.13415	0.24926	0.002634665	Intergenic	NA	NA
10	101175391	101175650	1	-0.127458	8	7.80E-06	0.00041	0.0727	0.20016	6.39E-05	Intergenic	NA	NA
10	101179034	101179079	1	-0.128206	5	0.012	0.038	0.31309	0.44129	0.026435197	Intergenic	NA	NA
10	101230451	101230597	1	-0.152766	8	0.0001	0.00098	0.24187	0.39464	0.000521119	Intergenic	NA	NA
10	101656455	101656599	1	-0.102682	7	0.019	0.11	0.30581	0.4085	0.038322088	Intragenic	NM_001013042	Slc39a11
10	101977101	101977301	1	-0.151049	15	1.30E-05	0.0014	0.31877	0.46982	9.66E-05	Intergenic	NA	NA
10	102139148	102139289	1	-0.158401	8	0.0041	0.094	0.3713	0.5297	0.01100507	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	102373275	102373545	1	-0.145663	9	0.00015	0.016	0.17952	0.32518	0.000724207	Intergenic	NA	NA
10	102384103	102384301	1	-0.149164	5	0.01	0.058	0.247	0.39617	0.02275947	Intergenic	NA	NA
10	102504352	102504792	1	-0.128871	18	6.70E-07	9.40E-05	0.23939	0.36826	8.53E-06	Intergenic	NA	NA
10	102831315	102831387	1	-0.203733	5	6.50E-07	3.40E-06	0.15203	0.35576	8.28E-06	Intergenic	NA	NA
10	102851048	102851135	1	-0.118631	5	0.008	0.015	0.11214	0.23077	0.019059477	Intergenic	NA	NA
10	102866904	102866936	1	-0.060052	5	0.0024	0.0093	0.010718	0.070771	0.00705499	Intergenic	NA	NA
10	103037894	103038034	1	-0.209527	7	0.0017	0.0079	0.50152	0.71104	0.005339493	Intergenic	NA	NA
10	103064710	103065144	1	-0.155692	9	5.70E-07	0.0008	0.10883	0.26452	7.41E-06	Intragenic	NM_001191591	Gprc5c
10	103068192	103068277	1	-0.122542	5	0.0053	0.088	0.18719	0.30973	0.013591571	Intragenic	NM_001191591	Gprc5c
10	103594909	103595044	1	-0.273575	5	1.00E-05	7.00E-05	0.087668	0.36124	7.82E-05	TSS	NM_001009369	Mrpl38
10	103675184	103675329	1	-0.128739	5	0.023	0.038	0.31873	0.44747	0.04441443	Intergenic	NA	NA
10	103851939	103852068	1	-0.139563	7	0.0059	0.012	0.38249	0.52205	0.014851341	Intergenic	NA	NA
10	103887334	103887480	1	-0.180656	7	4.10E-06	0.00017	0.58484	0.76549	3.78E-05	Intragenic	NM_001127549	Llg12
10	103931466	103931900	1	-0.161604	7	0.0051	0.008	0.4461	0.6077	0.013208341	Intragenic	NM_001107065	Caskin2
10	103965730	103966123	1	-0.139402	12	6.80E-10	3.90E-06	0.04073	0.18013	2.36E-08	Intergenic	NA	NA
10	103975441	103975600	0.018	-0.224203	8	3.60E-10	5.40E-08	0.060359	0.28456	1.37E-08	Intergenic	NA	NA
10	104209250	104209419	1	-0.196556	8	2.50E-05	0.00067	0.15682	0.35338	0.000166164	Intragenic	NM_001005876	Hn1
10	104332537	104332763	0.98	-0.33054	10	6.40E-08	3.00E-06	0.31919	0.64973	1.19E-06	Intergenic	NA	NA
10	104417695	104417843	1	-0.094018	7	0.0021	0.012	0.17526	0.26928	0.006364615	Intragenic	NM_001105851	Otop2
10	104421199	104421278	1	-0.054478	5	0.0022	0.039	0.067916	0.12239	0.006578104	TSS	NM_001105851:N M_001105850	Otop2:Ush1g
10	104514511	104514748	1	-0.111853	7	0.0039	0.038	0.13825	0.25011	0.010605635	Intragenic	NM_001191655	Tmem104
10	104526715	104526773	1	-0.158553	5	0.00088	0.0055	0.1048	0.26336	0.003092094	Intragenic	NM_001191655	Tmem104
10	104591143	104591311	1	-0.05967	5	0.016	0.058	0.061978	0.12165	0.033288089	TSS	NM_021594	Slc9a3r1
10	104771460	104771507	1	-0.180698	5	0.0017	0.015	0.38073	0.56143	0.005339493	Intragenic	NM_001107066	Evpl
10	104781152	104781221	1	-0.21539	5	0.00026	0.00052	0.36196	0.57735	0.001130807	Intragenic	NM_001107066	Evpl
10	104784657	104784679	0.037	-0.177428	5	1.10E-07	1.10E-07	0.056421	0.23385	1.86E-06	TSS	NM_001107066	Evpl
10	104948227	104948355	1	-0.172683	7	6.10E-06	5.50E-05	0.13419	0.30688	5.24E-05	TSS	NM_053832	Foxj1
10	105149345	105149575	1	-0.072484	14	0.00079	0.0077	0.23066	0.30314	0.002866309	Intergenic	NA	NA
10	105240422	105240452	1	-0.147813	5	0.025	0.13	0.55595	0.70376	0.047453009	Intragenic	NM_001107067:N M_001270834	Rhbdf2:Rhbdf 2
10	105279563	105279685	1	-0.161169	5	0.00039	0.0092	0.077595	0.23876	0.001587612	Intergenic	NA	NA
10	105433651	105433942	1	-0.065852	13	0.0099	0.015	0.2271	0.29296	0.02275947	Intergenic	NA	NA
10	105479546	105479611	1	-0.180813	5	8.50E-07	1.60E-05	0.052258	0.23307	1.03E-05	Intergenic	NA	NA
10	105556768	105556907	1	-0.172419	7	0.00083	0.0083	0.40646	0.57888	0.002961434	Intragenic	NM_001107068	Mgat5b
10	105640612	105640808	1	-0.197091	5	0.0024	0.015	0.16392	0.36101	0.00705499	Intergenic	NA	NA
10	105732316	105732424	1	-0.216915	5	0.00012	0.0055	0.12622	0.34313	0.000603617	Intragenic	NM_001108309	Sec14l1
10	105733023	105733246	1	-0.147606	9	0.0021	0.011	0.33204	0.47965	0.006364615	Intragenic	NM_001108309	Sec14l1
10	105787922	105787976	1	-0.134595	5	0.012	0.038	0.57913	0.71373	0.026435197	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	105800069	105800191	1	-0.057124	5	0.0016	0.0054	0.033828	0.090952	0.005100053	Intergenic	NA	NA
10	105841811	105841872	1	-0.172588	5	5.50E-06	0.00028	0.077862	0.25045	4.78E-05	TSS	NM_176856	9-Sep
10	105842765	105842845	1	-0.161364	5	0.012	0.088	0.32387	0.48523	0.026435197	TSS	NM_176856	9-Sep
10	105856736	105856974	1	-0.202386	8	4.10E-07	9.10E-05	0.1385	0.34089	5.71E-06	Intragenic	NM_176856	9-Sep
10	105859016	105859096	1	-0.161364	5	0.012	0.088	0.32387	0.48523	0.026435197	Intragenic	NM_176856	9-Sep
10	105935072	105935267	1	-0.192008	5	2.90E-06	3.40E-06	0.042654	0.23466	2.84E-05	Intragenic	NM_176856:NM_031837	Sept9:Sept9
10	105955141	105955456	1	-0.083367	14	0.0028	0.021	0.14044	0.22381	0.008113721	TSS	NM_001113497	9-Sep
10	105997981	105998068	1	-0.176482	5	0.013	0.038	0.46147	0.63795	0.028097302	Intergenic	NA	NA
10	106216177	106216263	1	-0.152135	5	0.0027	0.038	0.39232	0.54445	0.007840962	Intergenic	NA	NA
10	106518579	106518635	1	-0.14585	7	0.00048	0.0082	0.1438	0.28965	0.001881331	Intergenic	NA	NA
10	106576627	106576772	1	-0.093477	6	0.012	0.04	0.090597	0.18407	0.026435197	Intergenic	NA	NA
10	106695295	106695610	1	-0.117008	17	6.40E-06	0.00069	0.23565	0.35266	5.40E-05	Intergenic	NA	NA
10	106716660	106716734	1	-0.257723	5	1.70E-06	7.50E-06	0.1174	0.37512	1.83E-05	Intergenic	NA	NA
10	106721310	106721444	1	-0.147573	9	0.015	0.04	0.39272	0.54029	0.031584896	Intergenic	NA	NA
10	107055764	107055934	1	-0.214693	9	1.50E-06	0.0002	0.21542	0.43012	1.65E-05	Intragenic	NM_139096	Lgals3bp
10	107174174	107174282	1	-0.149533	8	5.70E-06	0.0016	0.16622	0.31575	4.91E-05	TSS	NM_001134498	Rbfox3
10	107185629	107186204	1	-0.093303	17	5.20E-05	0.00071	0.13018	0.22349	0.000303048	Intergenic	NA	NA
10	107239657	107239771	1	-0.134871	5	0.021	0.086	0.25095	0.38582	0.041207871	Intergenic	NA	NA
10	107361309	107361741	1	-0.084441	5	0.0027	0.0054	0.042339	0.12678	0.007840962	Intergenic	NA	NA
10	107421160	107421517	1	-0.134331	15	7.80E-06	0.00012	0.15809	0.29242	6.39E-05	Intergenic	NA	NA
10	107513407	107513500	1	-0.188192	5	3.30E-06	7.60E-06	0.12156	0.30975	3.16E-05	Intergenic	NA	NA
10	107713028	107713170	0.53	-0.184763	8	3.70E-08	1.60E-06	0.097995	0.28276	7.87E-07	Intragenic	NM_001134688:NM_001012466	Ccdc40:Enpp7
10	107801729	107801810	1	-0.087235	5	6.30E-06	0.00028	0.028336	0.11557	5.33E-05	Intragenic	NM_001134688	Ccdc40
10	107881020	107881101	1	-0.117455	5	0.0022	0.038	0.3051	0.42255	0.006578104	Intragenic	NM_001134688	Ccdc40
10	107901246	107901355	1	-0.142822	5	0.00029	0.0018	0.40126	0.54408	0.001239307	Intragenic	NM_001134688	Ccdc40
10	107922525	107922616	1	-0.160153	5	0.0063	0.0054	0.21721	0.37736	0.015629046	Intragenic	NM_001134688	Ccdc40
10	107935646	107935703	1	-0.274645	6	9.20E-07	6.30E-06	0.12633	0.40098	1.11E-05	Intragenic	NM_001134688	Ccdc40
10	108788640	108788856	1	-0.174877	11	9.40E-05	0.0027	0.53297	0.70785	0.000496745	Intragenic	NM_001168703	Aatk
10	108790822	108791431	1.60E-07	-0.159066	25	4.10E-14	5.00E-13	0.06796	0.22703	6.64E-12	TSS	NR_037349	Mir3065
10	108965356	108965435	1	-0.067918	5	0.013	0.088	0.075003	0.14292	0.028097302	Intergenic	NA	NA
10	108966746	108966848	0.002	-0.145935	11	1.40E-12	6.20E-09	0.14601	0.29195	1.04E-10	Intergenic	NA	NA
10	108989457	108989555	1	-0.134905	5	0.012	0.015	0.5252	0.66011	0.026435197	Intergenic	NA	NA
10	109021012	109021066	1	-0.057741	5	0.012	0.025	0.023557	0.081298	0.026435197	Intergenic	NA	NA
10	109037352	109037420	1	-0.088779	5	0.00021	0.015	0.040336	0.12912	0.000951214	Intergenic	NA	NA
10	109065945	109066035	1	-0.125956	12	0.00012	0.00039	0.6331	0.75905	0.000603617	Intergenic	NA	NA
10	109072711	109072900	1	-0.172124	6	0.00017	0.0027	0.098985	0.27111	0.000806192	Intergenic	NA	NA
10	109379279	109379448	1	-0.091697	21	1.60E-06	0.00011	0.20096	0.29266	1.75E-05	TSS	NM_153293	Npb

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	109419601	109419677	1	-0.118567	5	0.0029	0.015	0.64408	0.76265	0.008293503	TSS	NM_001128185	Myadml2
10	109500274	109500441	1	-0.205077	7	6.10E-06	0.0013	0.077006	0.28208	5.24E-05	TSS	NM_134387	Dcxr
10	109965888	109966574	9.20E-05	-0.163747	23	4.60E-14	2.80E-10	0.075311	0.23906	6.64E-12	Intragenic	NM_001013976	Ogfod3
10	110218078	110218263	1	-0.158698	7	0.00069	0.0052	0.16783	0.32653	0.002570282	TSS	NM_001109051	Fn3k
10	110810057	110810155	4.90E-07	-0.429631	9	4.50E-13	1.50E-12	0.16954	0.59917	3.73E-11	Intergenic	NA	NA
10	111446173	111446271	4.90E-07	-0.429631	9	4.50E-13	1.50E-12	0.16954	0.59917	3.73E-11	Intragenic	NM_001099458	Vom2r4
10	111452847	111452945	4.90E-07	-0.429631	9	4.50E-13	1.50E-12	0.16954	0.59917	3.73E-11	Intragenic	NM_001099458	Vom2r4
10	111716358	111716456	4.90E-07	-0.429631	9	4.50E-13	1.50E-12	0.16954	0.59917	3.73E-11	Intragenic	NM_001099458	Vom2r4
11	51572	51705	1	-0.202484	7	5.20E-06	0.0013	0.3794	0.58188	4.61E-05	Intergenic	NA	NA
11	1737023	1737511	1	-0.17232	9	0.00026	0.0012	0.59673	0.76905	0.001130807	Intergenic	NA	NA
11	1799411	1799458	1	-0.265574	5	1.70E-05	0.00053	0.11483	0.38041	0.000120524	TSS	NM_001005552	MGC95208
11	1911958	1911980	1	-0.104635	5	0.0022	0.0052	0.81325	0.91789	0.006578104	Intergenic	NA	NA
11	2145179	2145336	0.039	-0.102786	15	6.20E-13	1.20E-07	0.15633	0.25912	5.00E-11	Intergenic	NA	NA
11	2266999	2267072	1	-0.065309	5	0.0068	0.039	0.77678	0.84209	0.016642688	Intergenic	NA	NA
11	10098367	10098432	1	-0.062931	5	0.019	0.038	0.72143	0.78436	0.038322088	Intergenic	NA	NA
11	10294166	10294326	1	-0.092174	7	0.00048	9.10E-05	0.61789	0.71006	0.001881331	Intergenic	NA	NA
11	12198238	12198353	1	-0.132728	6	0.005	0.00031	0.16721	0.29994	0.012977322	Intergenic	NA	NA
11	14409103	14409203	0.19	-0.30907	10	1.40E-11	5.80E-07	0.16766	0.47673	7.61E-10	Intergenic	NA	NA
11	15253864	15253886	1	-0.063628	5	3.10E-05	0.00028	0.061529	0.12516	0.000197418	TSS	NM_032106	Robo2
11	15254029	15254066	1	-0.055263	5	0.00088	0.015	0.067773	0.12304	0.003092094	TSS	NM_032106	Robo2
11	17916539	17916642	1	-0.139423	5	0.023	0.023	0.45371	0.59313	0.04441443	Intragenic	NM_130821	Samsn1
11	20402813	20402838	1	-0.161578	5	0.00072	0.0054	0.67131	0.83289	0.002634665	Intergenic	NA	NA
11	24208886	24208995	1	-0.164296	5	0.00026	0.0017	0.16777	0.33207	0.001130807	Intragenic	NM_203409	Ncam2
11	24567448	24567555	1	-0.179108	9	4.10E-08	5.70E-06	0.11672	0.29583	8.61E-07	Intergenic	NA	NA
11	24567562	24567721	1	-0.080463	9	0.0021	0.0026	0.13324	0.2137	0.006364615	Intergenic	NA	NA
11	24625216	24625379	1	-0.063041	7	0.0076	0.11	0.80508	0.86812	0.018313455	Intergenic	NA	NA
11	26552103	26552167	1	-0.298486	5	0.0038	0.0055	0.55902	0.85751	0.010352437	Intergenic	NA	NA
11	26910541	26910712	1	-0.081693	8	0.0082	0.16	0.49057	0.57226	0.019516617	Intergenic	NA	NA
11	27405408	27405430	0.09	-0.475075	5	6.30E-08	2.80E-07	0.35394	0.82901	1.18E-06	Intergenic	NA	NA
11	27536162	27536195	0.085	-0.255971	7	1.20E-07	2.60E-07	0.58565	0.84162	2.01E-06	Intergenic	NA	NA
11	28276366	28276869	0.49	-0.123545	6	9.30E-08	1.50E-06	0.08466	0.2082	1.64E-06	Intergenic	NA	NA
11	28970275	28970375	1	-0.17604	5	0.014	0.015	0.41407	0.59011	0.029850603	Intragenic	NM_024400	Adamts1
11	32147179	32147234	1	-0.10527	5	0.023	0.086	0.64484	0.7501	0.04441443	TSS	NM_001037774	Cldn8
11	33583741	33584169	1	-0.161752	12	2.90E-06	0.00062	0.1249	0.28666	2.84E-05	Intragenic	NM_001100558	Tiam1
11	33690541	33690705	1	-0.051018	7	4.80E-05	0.019	0.036915	0.087933	0.000285411	Intergenic	NA	NA
11	33723140	33723277	1	-0.153217	7	0.0022	0.0081	0.44836	0.60157	0.006578104	Intergenic	NA	NA
11	33836520	33836668	1	-0.056579	7	0.0026	0.0083	0.89453	0.95111	0.007616821	Intergenic	NA	NA
11	34303143	34303255	1	-0.141742	5	0.0041	0.088	0.23012	0.37186	0.01100507	Intergenic	NA	NA
11	34306434	34306475	1	-0.186549	5	0.00032	0.00014	0.27913	0.46568	0.001346443	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
11	34519899	34519948	1	-0.155546	5	0.00072	0.00052	0.22742	0.38297	0.002634665	Intragenic	NM_001135834	Mrap
11	34848350	34848555	1	-0.090086	11	0.00021	0.0018	0.16743	0.25752	0.000951214	TSS	NM_001109052	RGD1562726
11	34929531	34929594	1	-0.172985	5	0.0024	0.0088	0.21899	0.39198	0.00705499	Intergenic	NA	NA
11	35031267	35031417	1	-0.060008	5	0.00088	0.0018	0.026561	0.086569	0.003092094	Intergenic	NA	NA
11	35091154	35091214	1	-0.111871	5	0.00029	0.0055	0.19262	0.30449	0.001239307	Intergenic	NA	NA
11	35664409	35664522	1	-0.11799	8	9.30E-05	0.0038	0.11558	0.23357	0.000491677	Intragenic	NM_001136096	Its1n1
11	35746705	35746738	1	-0.195472	5	0.0087	0.00098	0.60675	0.80222	0.020391633	Intergenic	NA	NA
11	35892464	35892552	1	-0.197989	5	0.013	0.058	0.49116	0.68914	0.028097302	Intergenic	NA	NA
11	35923327	35923459	1	-0.201784	8	2.40E-06	3.10E-05	0.38821	0.58999	2.45E-05	Intergenic	NA	NA
11	36044205	36044491	1	-0.172337	9	0.00019	0.024	0.21609	0.38843	0.000879857	TSS	NM_133603	Kcne2
11	36371712	36372047	1.00E-22	-0.200747	33	4.30E-14	3.20E-28	0.068482	0.26923	6.64E-12	Intragenic	NM_017325	Runx1
11	36459711	36459829	1	-0.099778	10	4.30E-05	0.0013	0.076598	0.17638	0.000260449	TSS	NM_017325	Runx1
11	36464548	36464651	1	-0.16678	7	1.20E-06	9.70E-05	0.11105	0.27783	1.37E-05	Intergenic	NA	NA
11	37738381	37738509	1	-0.173034	5	0.02	0.038	0.32914	0.50218	0.039778219	Intergenic	NA	NA
11	37843340	37843542	1	-0.112857	11	0.0042	0.026	0.27421	0.38706	0.011250869	Intergenic	NA	NA
11	38023900	38023992	1	-0.215957	7	0.00031	0.0013	0.27878	0.49473	0.001320549	Intergenic	NA	NA
11	38593907	38593975	1	-0.121987	5	0.002	0.0055	0.074363	0.19635	0.006079939	Intergenic	NA	NA
11	38697344	38697573	1	-0.125432	7	0.00058	0.00079	0.10309	0.22852	0.002226081	Intragenic	NM_013192	Kcnj6
11	39048803	39048963	1	-0.174983	7	3.90E-05	0.0021	0.15138	0.32637	0.000237659	Intergenic	NA	NA
11	40044065	40044102	1	-0.062068	5	0.014	0.13	0.12783	0.1899	0.029850603	Intragenic	NM_001017484	Lca5l
11	41772740	41772852	1	-0.219102	5	3.70E-06	0.00052	0.085472	0.30457	3.46E-05	Intragenic	NM_001107103	Ripk4
11	42614484	42614568	1	-0.117987	5	0.0053	0.015	0.64478	0.76276	0.013591571	Intergenic	NA	NA
11	42616311	42616395	1	-0.118138	5	0.0053	0.015	0.64478	0.76291	0.013591571	Intergenic	NA	NA
11	42973251	42973287	1	-0.236327	5	5.60E-07	7.30E-06	0.13977	0.3761	7.29E-06	Intergenic	NA	NA
11	48227855	48227910	1	-0.248625	5	2.80E-05	6.90E-05	0.11125	0.35988	0.000182174	TSS	NM_001013866	Cmss1
11	48917293	48917351	1	-0.131932	5	0.0035	0.0016	0.59249	0.72442	0.009686665	Intergenic	NA	NA
11	54411667	54411798	1	-0.149233	5	0.012	0.025	0.54356	0.69279	0.026435197	Intergenic	NA	NA
11	55507622	55507661	1	-0.063286	5	0.0058	0.024	0.81206	0.87534	0.014624129	Intergenic	NA	NA
11	55669296	55669359	1	-0.07585	5	0.017	0.015	0.25498	0.33083	0.034796287	Intergenic	NA	NA
11	55871694	55871785	1	-0.215094	5	6.50E-07	3.40E-05	0.16114	0.37624	8.28E-06	Intergenic	NA	NA
11	56065293	56065384	1	-0.215094	5	6.50E-07	3.40E-05	0.16114	0.37624	8.28E-06	Intergenic	NA	NA
11	56155119	56155196	1	-0.092836	5	0.011	0.038	0.15782	0.25066	0.02463877	Intergenic	NA	NA
11	58027094	58027163	1	-0.129078	5	2.20E-06	7.00E-05	0.703	0.83208	2.27E-05	Intragenic	NM_001172090	Morc1
11	59348697	59348825	1	-0.106719	5	0.0041	0.058	0.59962	0.70634	0.01100507	Intergenic	NA	NA
11	59348933	59349107	1	-0.161358	8	1.70E-05	3.00E-05	0.54107	0.70243	0.000120524	Intergenic	NA	NA
11	62354711	62354884	1	-0.181814	7	1.60E-06	5.30E-05	0.3687	0.55051	1.75E-05	Intergenic	NA	NA
11	65275472	65275566	1	-0.18581	5	0.02	0.088	0.32362	0.50943	0.039778219	Intergenic	NA	NA
11	65407863	65408036	1	-0.170882	7	3.80E-06	0.00028	0.38338	0.55426	3.54E-05	Intergenic	NA	NA
11	66740855	66741017	1	-0.174627	5	0.0063	0.088	0.48718	0.6618	0.015629046	Intragenic	NM_153295	Gpr156

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
11	67106487	67106564	1	-0.059746	5	0.015	0.015	0.095564	0.15531	0.031584896	Intergenic	NA	NA
11	68309947	68310016	1	0.325612	5	0.00026	0.015	0.78935	0.46374	0.001130807	Intergenic	NA	NA
11	68310070	68310186	1	0.11526	5	0.0022	0.039	0.88735	0.77209	0.006578104	Intergenic	NA	NA
11	68906496	68906610	1	-0.163834	5	0.008	0.039	0.23042	0.39425	0.019059477	Intragenic	NM_024369	Fstl1
11	69052471	69052508	1	-0.274757	5	1.30E-05	0.00051	0.18519	0.45994	9.66E-05	TSS	NM_001037338	Ndufb4
11	69805542	69805641	1	-0.123988	5	2.80E-05	0.00014	0.073206	0.19719	0.000182174	Intergenic	NA	NA
11	70152132	70152208	1	-0.231469	6	8.40E-06	0.00094	0.10699	0.33846	6.80E-05	Intergenic	NA	NA
11	71039324	71039404	1	-0.179002	5	0.00023	0.0018	0.13338	0.31238	0.00102405	Intergenic	NA	NA
11	71290043	71290175	1	-0.126892	5	0.0068	0.038	0.20287	0.32976	0.016642688	Intragenic	NM_001012017	Dirc2
11	71396222	71396264	1	-0.092266	5	0.0094	0.088	0.1544	0.24666	0.021723038	Intragenic	NM_001107091	Sema5b
11	71396428	71396474	1	-0.082047	5	5.50E-06	3.40E-05	0.091362	0.17341	4.78E-05	Intragenic	NM_001107091	Sema5b
11	71396504	71396660	0.26	-0.10632	8	1.20E-08	8.00E-07	0.02239	0.12871	2.88E-07	Intragenic	NM_001107091	Sema5b
11	71401365	71401530	1	-0.086139	8	0.013	0.16	0.33407	0.42021	0.028097302	Intragenic	NM_001107091	Sema5b
11	71479184	71479410	1	-0.117178	8	0.011	0.025	0.50817	0.62534	0.02463877	Intragenic	NM_001107091	Sema5b
11	71553457	71553565	1	-0.084688	8	0.025	0.13	0.32197	0.40665	0.047453009	Intergenic	NA	NA
11	71598470	71598550	1	-0.179002	5	0.00023	0.0018	0.13338	0.31238	0.00102405	Intragenic	NM_001014125	Pdia5
11	72880448	72880569	0.038	-0.280338	12	7.00E-13	1.20E-07	0.14038	0.42072	5.53E-11	Intragenic	NM_032062	Kalrn
11	73019991	73020083	1	-0.210823	5	1.90E-05	6.80E-05	0.10873	0.31956	0.000131674	Intragenic	NM_032062	Kalrn
11	73034114	73034259	1	-0.101483	7	0.013	0.013	0.63133	0.73281	0.028097302	Intragenic	NM_032062	Kalrn
11	73155794	73155926	1	-0.187268	7	9.60E-05	0.00015	0.10889	0.29616	0.000507091	Intragenic	NM_147139	Itgb5
11	73256332	73256403	1	-0.084211	5	0.0087	0.059	0.081351	0.16556	0.020391633	Intragenic	NM_147139	Itgb5
11	73261963	73262101	1	-0.131047	8	5.00E-05	0.0024	0.053688	0.18473	0.000291675	TSS	NM_147139	Itgb5
11	73369710	73369907	4.50E-10	-0.154623	24	4.20E-14	1.40E-15	0.11042	0.26505	6.64E-12	Intergenic	NA	NA
11	74089900	74090224	1	-0.200306	9	5.40E-07	1.50E-05	0.11285	0.31316	7.17E-06	Intragenic	NM_001014230	lqcg
11	74343075	74343453	1	-0.140595	10	2.30E-06	0.00039	0.10301	0.24361	2.36E-05	Intergenic	NA	NA
11	74469062	74469221	1	-0.169247	6	0.025	0.08	0.24884	0.41809	0.047453009	TSS	NM_001008336	Tnk2
11	74606319	74606357	1	-0.155397	5	0.0016	0.024	0.17859	0.33398	0.005100053	TSS	NM_001039259	Zdhhc19
11	74972550	74972620	1	-0.211036	5	0.00036	0.0093	0.43166	0.6427	0.001486639	Intragenic	NM_001024995	Nrros
11	75110824	75110881	1	-0.135273	7	1.00E-06	1.60E-05	0.062279	0.19755	1.18E-05	Intergenic	NA	NA
11	75468246	75468356	1	-0.11496	8	0.00016	0.0051	0.76787	0.88283	0.000769396	Intergenic	NA	NA
11	75607735	75607882	1	-0.11352	8	1.70E-05	0.00065	0.090755	0.20428	0.000120524	Intergenic	NA	NA
11	75676583	75676652	1	-0.121677	5	0.02	0.038	0.56358	0.68525	0.039778219	Intragenic	NM_053995	Bdh1
11	75957207	75957264	1	-0.135273	7	1.00E-06	1.60E-05	0.062279	0.19755	1.18E-05	Intragenic	NM_138823	Ppp1r2
11	76289237	76289439	1	-0.206883	5	1.50E-05	7.00E-05	0.086204	0.29309	0.000109113	Intergenic	NA	NA
11	76690219	76690504	1	-0.123934	5	0.00014	0.00098	0.017612	0.14155	0.000684451	Intergenic	NA	NA
11	76712683	76712789	1	0.108674	5	0.0094	0.059	0.86258	0.75391	0.021723038	Intergenic	NA	NA
11	76860341	76860785	1	-0.083275	10	0.018	0.085	0.072752	0.15603	0.036742993	Intergenic	NA	NA
11	77142762	77142821	1	-0.221241	5	8.80E-05	0.0055	0.13468	0.35592	0.000466886	Intergenic	NA	NA
11	77158979	77159008	1	-0.394108	5	1.50E-05	0.00028	0.38308	0.77719	0.000109113	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
11	77159032	77159086	1	-0.102782	5	0.0016	0.0054	0.66664	0.76942	0.005100053	Intergenic	NA	NA
11	77522015	77522071	1	-0.113574	5	0.019	0.18	0.25291	0.36649	0.038322088	Intergenic	NA	NA
11	78477595	78477671	1	-0.126017	5	0.0045	0.088	0.18129	0.3073	0.011905878	TSS	NM_001109056	Mb21d2
11	79893352	79893396	1	-0.151588	5	1.00E-05	0.00014	0.20254	0.35412	7.82E-05	Intergenic	NA	NA
11	80461260	80461503	1	-0.13575	9	0.0033	0.012	0.30086	0.43661	0.009256793	Intragenic	NM_001107084	Bcl6
11	80655961	80656134	1	-0.156801	7	0.00024	0.00042	0.13307	0.28987	0.001064629	Intergenic	NA	NA
11	81423765	81423926	1	-0.122352	5	8.80E-05	0.0054	0.63613	0.75848	0.000466886	Intragenic	NM_001013864	Lpp
11	81744476	81744659	1	-0.14618	7	0.00048	0.002	0.55348	0.69966	0.001881331	Intergenic	NA	NA
11	85086017	85086091	1	-0.221407	5	0.00088	0.0052	0.3284	0.5498	0.003092094	Intragenic	NM_013126	Dgkg
11	85210800	85211010	0.57	-0.248218	9	2.20E-07	1.80E-06	0.14639	0.39461	3.32E-06	Intragenic	NM_013126	Dgkg
11	85335025	85335139	1	-0.174045	5	0.00059	0.015	0.24595	0.42	0.002242971	Intragenic	NM_001107082	Etv5
11	85614899	85615001	1	-0.191152	8	2.50E-07	9.90E-06	0.15235	0.3435	3.70E-06	Intragenic	NM_001270598:N M_001270599	Igf2bp2:Igf2b p2
11	85670179	85670281	1	-0.191152	8	2.50E-07	9.90E-06	0.15235	0.3435	3.70E-06	Intragenic	NM_001270598:N M_001270599	Igf2bp2:Igf2b p2
11	85803578	85803645	1	-0.171196	5	0.00023	0.0092	0.17123	0.34243	0.00102405	Intragenic	NM_001044279	Liph
11	85926214	85926343	1	-0.125825	6	0.013	0.16	0.17663	0.30246	0.028097302	TSS	NM_031133	Thpo
11	86182935	86183015	1	-0.215294	5	0.0029	0.038	0.42344	0.63874	0.008293503	Intergenic	NA	NA
11	86327203	86327372	1	-0.13307	7	0.0056	0.0082	0.42822	0.56129	0.014333376	Intergenic	NA	NA
11	86422228	86422335	1	-0.125796	5	0.025	0.088	0.53068	0.65648	0.047453009	Intergenic	NA	NA
11	86679473	86679932	1	-0.11259	6	0.0011	0.0003	0.077507	0.1901	0.003737263	Intergenic	NA	NA
11	86940270	86940399	1	-0.125825	6	0.013	0.16	0.17663	0.30246	0.028097302	TSS	NM_057134:NM_ 031133	Chrd:Thpo
11	87049252	87049268	1	-0.07013	5	0.00036	0.015	0.061965	0.13209	0.001486639	TSS	NM_021678	Camk2n2
11	87060409	87060500	1	-0.127409	5	0.012	0.13	0.70089	0.8283	0.026435197	TSS	NM_001142363:N R_024535	Alg3:Alg3
11	88369105	88369265	1	-0.088509	7	0.00048	9.20E-05	0.62159	0.7101	0.001881331	Intergenic	NA	NA
11	89619149	89619216	1	-0.125105	5	0.00019	0.0055	0.19781	0.32291	0.000879857	TSS	NM_053930	Gp1bb
11	89656173	89656254	1	-0.06741	5	0.012	0.0091	0.11292	0.18033	0.026435197	Intragenic	NM_001108322	Tbx1
11	89661027	89661152	1	-0.151196	7	6.40E-05	0.0012	0.33075	0.48195	0.000358884	Intergenic	NA	NA
11	89830219	89830442	1	-0.164852	6	0.00046	0.0044	0.092688	0.25754	0.001836485	Intragenic	NM_001131013	Arvcf
11	89884330	89884408	0.037	-0.266511	5	8.50E-08	1.10E-07	0.13069	0.3972	1.53E-06	Intragenic	NM_001131013	Arvcf
11	90039528	90039626	1	-0.132071	5	0.00088	0.015	0.33518	0.46725	0.003092094	Intergenic	NA	NA
11	90082772	90082962	1	-0.142263	10	0.012	0.19	0.36271	0.50498	0.026435197	Intergenic	NA	NA
11	90249458	90249544	1	0.05029	5	0.0012	0.00052	0.98283	0.93254	0.004013471	TSS	NM_001134788	Vpreb2
11	90775370	90775542	1	-0.080818	7	0.025	0.14	0.11754	0.19836	0.047453009	TSS	NM_001105864	Scarf2
11	90784761	90784778	1	-0.082259	5	0.0049	0.015	0.17175	0.25401	0.012753585	Intragenic	NM_001105864	Scarf2
11	91046044	91046139	0.38	-0.353624	7	1.30E-07	1.20E-06	0.18472	0.53834	2.11E-06	Intragenic	NM_001105862	Hic2
12	328316	328459	0.066	-0.1981	11	1.80E-09	2.00E-07	0.10901	0.30711	5.50E-08	Intergenic	NA	NA

chr	start	stop	q-value	methy1.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	328463	328515	1	-0.260821	5	0.00059	0.00098	0.18135	0.44217	0.002242971	Intergenic	NA	NA
12	328532	328623	1	-0.122255	5	0.00036	0.00053	0.4109	0.53315	0.001486639	Intergenic	NA	NA
12	346029	346308	0.27	-0.160883	19	1.10E-09	8.40E-07	0.20697	0.36786	3.60E-08	Intergenic	NA	NA
12	356009	356343	0.0018	-0.259793	11	4.10E-10	5.60E-09	0.13831	0.3981	1.53E-08	Intergenic	NA	NA
12	434209	434244	1	-0.144598	5	7.10E-06	3.30E-05	0.22673	0.37133	5.86E-05	Intergenic	NA	NA
12	4100332	4100375	1	-0.157026	5	0.00029	0.00053	0.073883	0.23091	0.001239307	Intragenic	NM_001107115	Arhgef18
12	4253673	4253722	1	-0.251919	5	0.00019	0.00098	0.43183	0.68375	0.000879857	Intergenic	NA	NA
12	4362809	4362903	1	-0.132054	5	0.02	0.088	0.3424	0.47445	0.039778219	TSS	NM_144741	Retn
12	4678165	4678273	0.036	-0.211813	5	1.80E-07	1.10E-07	0.06697	0.27878	2.78E-06	Intragenic	NM_017267	Timm44
12	4721036	4721137	1	-0.110508	5	0.00026	0.0031	0.064947	0.17545	0.001130807	TSS	NM_001034139	Lrrc8e
12	4721287	4721339	1	-0.054628	5	0.0008	0.0093	0.056966	0.11159	0.002866309	TSS	NM_001034139	Lrrc8e
12	4737871	4737916	1	-0.291596	5	0.0019	0.0055	0.2022	0.4938	0.005855937	Intergenic	NA	NA
12	4742707	4742771	1	-0.210382	5	0.0012	0.0089	0.49219	0.70257	0.004013471	Intergenic	NA	NA
12	6055942	6055969	1	-0.073148	7	3.40E-05	0.00017	0.10275	0.1759	0.000214477	Intergenic	NA	NA
12	7721458	7721488	1	-0.087696	5	0.0058	0.024	0.70963	0.79733	0.014624129	Intragenic	NM_001170398	Fry
12	7889428	7889709	6.00E-07	-0.233803	18	4.70E-14	1.90E-12	0.13948	0.37328	6.64E-12	Intragenic	NM_001170398	Fry
12	7924936	7925031	1	-0.102012	5	0.02	0.18	0.30269	0.4047	0.039778219	TSS	NM_001170398	Fry
12	8290410	8290710	1	-0.106114	9	0.0039	0.045	0.26465	0.37077	0.010605635	Intergenic	NA	NA
12	8826759	8827060	1	-0.122475	10	0.0051	0.021	0.39739	0.51986	0.013208341	Intergenic	NA	NA
12	8834797	8835098	1	-0.142908	10	0.0021	0.011	0.37695	0.51986	0.006364615	Intergenic	NA	NA
12	8874348	8874444	1	-0.068081	5	0.013	0.18	0.086412	0.15449	0.028097302	Intergenic	NA	NA
12	8951005	8951102	1	-0.064184	7	0.013	0.027	0.81955	0.88373	0.028097302	Intragenic	NM_017260	Alox5ap
12	9098189	9098273	1	-0.1663	5	0.00072	0.024	0.1107	0.277	0.002634665	Intergenic	NA	NA
12	9204166	9204190	1	-0.06644	5	0.023	0.087	0.83722	0.90366	0.04441443	Intergenic	NA	NA
12	9248869	9248992	1	-0.366815	8	1.20E-05	5.30E-05	0.33073	0.69755	9.15E-05	Intergenic	NA	NA
12	9407932	9407984	1	-0.188864	5	0.00012	0.00027	0.6624	0.85127	0.000603617	Intergenic	NA	NA
12	9414935	9414976	1	-0.248739	5	7.10E-06	7.20E-06	0.31218	0.56092	5.86E-05	Intergenic	NA	NA
12	9486684	9486776	1	-0.435293	5	0.00021	7.10E-05	0.29772	0.73301	0.000951214	Intergenic	NA	NA
12	9684326	9684378	1	-0.210649	5	7.80E-05	0.00027	0.64062	0.85127	0.000422981	Intergenic	NA	NA
12	9691329	9691370	1	-0.248739	5	7.10E-06	7.20E-06	0.31218	0.56092	5.86E-05	Intergenic	NA	NA
12	9787258	9787353	1	-0.315714	5	1.80E-07	3.30E-06	0.20781	0.52352	2.78E-06	Intergenic	NA	NA
12	10189812	10189910	1	-0.303529	5	1.30E-05	0.00027	0.19832	0.50185	9.66E-05	Intragenic	NM_013111	Slc7a1
12	10198435	10198625	1	-0.078545	5	1.90E-06	7.50E-06	0.005	0.083545	2.01E-05	Intragenic	NM_001100989	Mtus2
12	10258295	10258349	1	-0.100112	5	0.011	0.13	0.33766	0.43777	0.02463877	Intergenic	NA	NA
12	10294249	10294292	1	-0.122936	5	0.0058	0.088	0.40181	0.52475	0.014624129	Intergenic	NA	NA
12	10307983	10308084	1	-0.155667	5	0.008	0.038	0.18928	0.34494	0.019059477	Intergenic	NA	NA
12	10342364	10342490	1	-0.185467	5	0.0016	0.015	0.18008	0.36554	0.005100053	Intergenic	NA	NA
12	10525203	10525371	1	-0.101015	5	0.021	0.13	0.36	0.46102	0.041207871	Intergenic	NA	NA
12	10565485	10565530	1	-0.129008	5	0.016	0.18	0.62	0.749	0.033288089	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	10914244	10914515	1	-0.083893	13	0.0051	0.09	0.29745	0.38134	0.013208341	Intergenic	NA	NA
12	10940626	10940730	0.037	-0.244408	5	6.30E-08	1.10E-07	0.11086	0.35526	1.18E-06	Intergenic	NA	NA
12	11000603	11000733	1	-0.127343	5	0.02	0.058	0.48179	0.60913	0.039778219	Intergenic	NA	NA
12	11015687	11015916	1	-0.130133	7	0.002	0.027	0.14276	0.2729	0.006079939	Intergenic	NA	NA
12	11028766	11028995	1	-0.129887	7	0.002	0.027	0.14301	0.2729	0.006079939	Intergenic	NA	NA
12	11057005	11057069	1	-0.085363	7	0.0069	0.078	0.35684	0.4422	0.01685311	Intergenic	NA	NA
12	11174548	11174652	0.037	-0.237722	5	6.30E-08	1.10E-07	0.11743	0.35516	1.18E-06	Intragenic	NM_001309381:NM_019306	Flt1:Flt1
12	11754587	11754629	1	-0.094574	5	0.00054	0.024	0.091492	0.18607	0.002077867	Intergenic	NA	NA
12	11754635	11754687	1	-0.144706	5	1.10E-06	1.60E-05	0.1657	0.31041	1.27E-05	Intergenic	NA	NA
12	11970272	11970430	1	-0.22773	5	0.00065	0.0054	0.24384	0.47157	0.002426546	Intragenic	NM_001113570	Gtf3a
12	12292221	12292300	1	-0.061853	5	0.0094	0.015	0.19426	0.25611	0.021723038	Intergenic	NA	NA
12	12449594	12449731	1	-0.19701	5	0.013	0.088	0.35254	0.54955	0.028097302	Intergenic	NA	NA
12	12909608	12909717	1	-0.123399	5	0.00097	0.0092	0.28153	0.40493	0.003366009	Intragenic	NM_153312	Cyp3a2
12	13244285	13244351	1	-0.091551	5	0.0011	0.015	0.11458	0.20613	0.003737263	TSS	NM_001107119	Zkscan5
12	13388087	13388118	1	-0.081103	5	0.0058	0.059	0.14237	0.22347	0.014624129	Intragenic	NM_153312	Cyp3a2
12	14149627	14149769	1	-0.105886	5	0.0016	0.015	0.060413	0.1663	0.005100053	Intergenic	NA	NA
12	14160852	14160935	1	-0.188647	5	2.40E-05	0.00028	0.10743	0.29607	0.000160049	Intergenic	NA	NA
12	14246663	14246733	1	-0.099614	9	6.30E-06	4.80E-05	0.14126	0.24087	5.33E-05	Intergenic	NA	NA
12	14405125	14405300	1	-0.105353	7	9.00E-05	0.00016	0.050325	0.15568	0.000476445	Intergenic	NA	NA
12	15160540	15160601	0.089	-0.218938	5	2.80E-07	2.80E-07	0.020411	0.23935	4.09E-06	Intragenic	NM_001107120	Daglb
12	15265480	15265617	1	-0.091784	5	0.0022	0.088	0.080528	0.17231	0.006578104	Intragenic	NM_001105910	Grid2ip
12	15368574	15369119	0.054	-0.088408	30	6.20E-14	1.70E-07	0.11904	0.20745	7.45E-12	Intergenic	NA	NA
12	15403268	15404113	1	-0.09879	56	0.0039	0.011	0.32052	0.38946	0.010605635	Intragenic	NM_001107121	Zfp316
12	15404473	15404492	1	-0.08538	5	0.00032	0.0032	0.065696	0.15108	0.001346443	Intragenic	NM_001107121	Zfp316
12	15404714	15404978	1	-0.107599	29	2.90E-11	4.10E-06	0.15815	0.26575	1.44E-09	Intragenic	NM_001107121	Zfp316
12	15530145	15530240	1	-0.177869	7	0.0053	0.018	0.4715	0.64937	0.013591571	Intergenic	NA	NA
12	15758826	15758885	1	-0.190774	5	7.80E-05	0.0031	0.11825	0.30902	0.000422981	Intergenic	NA	NA
12	15893454	15893604	1	-0.302529	5	5.50E-06	0.00014	0.067965	0.37049	4.78E-05	Intragenic	NM_001107123	Tnrc18
12	15898117	15898166	1	-0.195151	5	0.0038	0.038	0.39811	0.59326	0.010352437	Intragenic	NM_001107123	Tnrc18
12	16118085	16118186	1	-0.206799	5	1.20E-05	0.00014	0.12841	0.33521	9.15E-05	Intergenic	NA	NA
12	16140332	16140374	1	-0.079505	5	0.0027	0.058	0.11775	0.19725	0.007840962	TSS	NM_001012020	Papolb
12	16140555	16140601	1	-0.097876	5	0.023	0.024	0.25361	0.35148	0.04441443	TSS	NM_001012020	Papolb
12	16352783	16352870	1	-0.079337	5	0.00097	0.0018	0.076179	0.15552	0.003366009	Intergenic	NA	NA
12	16728912	16728945	1	-0.158653	5	0.017	0.0086	0.50607	0.66473	0.034796287	Intergenic	NA	NA
12	17072401	17072522	1	0.17708	5	0.0041	0.0053	0.38784	0.21076	0.01100507	Intergenic	NA	NA
12	17178395	17178456	1	-0.121077	5	0.02	0.088	0.60074	0.72182	0.039778219	Intergenic	NA	NA
12	17324011	17324215	1	-0.161113	5	3.50E-05	0.00028	0.044099	0.20521	0.000218038	Intergenic	NA	NA
12	17326755	17326830	1	-0.145174	5	0.00021	0.0032	0.37297	0.51814	0.000951214	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	17824819	17824863	1	-0.13694	5	1.30E-05	0.00014	0.23156	0.3685	9.66E-05	Intergenic	NA	NA
12	18112694	18112848	1	-0.174696	5	1.90E-05	0.00053	0.26894	0.44363	0.000131674	Intergenic	NA	NA
12	18742308	18742435	1	-0.225231	9	2.20E-06	0.0019	0.24642	0.47165	2.27E-05	Intragenic	NM_001105913	Elfn1
12	18742707	18742757	1	-0.148756	5	0.019	0.18	0.28887	0.43763	0.038322088	Intragenic	NM_001105913	Elfn1
12	19054921	19055283	1	-0.084717	5	0.00039	0.0092	0.06682	0.15154	0.001587612	Intergenic	NA	NA
12	19125012	19125111	1	-0.10554	5	0.021	0.057	0.20689	0.31243	0.041207871	Intergenic	NA	NA
12	19139513	19139613	1	-0.080259	9	0.00079	0.0004	0.76417	0.84443	0.002866309	Intergenic	NA	NA
12	19146172	19146322	1	-0.07101	5	0.023	0.038	0.14757	0.21858	0.04441443	Intergenic	NA	NA
12	19162722	19162806	1	-0.091853	5	0.0032	0.024	0.16574	0.25759	0.008990975	Intergenic	NA	NA
12	19164838	19164890	1	-0.053596	9	0.0014	0.0059	0.10558	0.15917	0.004540837	Intergenic	NA	NA
12	19201377	19201450	1	-0.066818	5	0.00019	0.0055	0.043611	0.11043	0.000879857	Intragenic	NM_001047923	LOC498152
12	19347102	19347198	0.2	-0.110026	7	9.70E-09	6.20E-07	0.050547	0.16057	2.44E-07	TSS	NM_001109062	Gpr146
12	19354449	19354631	1	-0.134153	5	0.0035	0.0092	0.16179	0.29595	0.009686665	TSS	NR_031784	Mir339
12	19370005	19370194	1	-0.169283	10	2.80E-06	0.002	0.22578	0.39507	2.79E-05	Intergenic	NA	NA
12	19995400	19995486	1	-0.252452	5	0.00017	0.0092	0.30677	0.55922	0.000806192	Intergenic	NA	NA
12	20620873	20621330	1	-0.104877	7	0.014	0.077	0.30242	0.40729	0.029850603	Intergenic	NA	NA
12	21451730	21451820	1	-0.232374	5	0.00054	0.0054	0.19386	0.42624	0.002077867	Intergenic	NA	NA
12	21651533	21651960	1	-0.114487	26	1.40E-08	5.30E-06	0.18214	0.29662	3.31E-07	Intragenic	NM_138511	Gpc2
12	23774923	23775040	1	-0.182075	5	0.0068	0.13	0.36156	0.54363	0.016642688	Intragenic	NM_001044284	Tsc22d4
12	24031695	24031812	1	-0.182075	5	0.0068	0.13	0.36156	0.54363	0.016642688	Intragenic	NM_001044284	Tsc22d4
12	24160534	24160620	0.023	-0.261745	7	6.60E-09	7.00E-08	0.5504	0.81214	1.72E-07	TSS	NM_001107130	Fbxo24
12	24206153	24206192	1	-0.076045	5	0.02	0.18	0.10707	0.18311	0.039778219	Intragenic	NM_001105916	Tfr2
12	24206281	24206474	1	-0.122941	5	0.0022	0.0032	0.20735	0.33029	0.006578104	Intragenic	NM_001105916	Tfr2
12	24206530	24206589	1	-0.090208	5	0.0087	0.088	0.72169	0.8119	0.020391633	Intragenic	NM_001105916	Tfr2
12	24291882	24291963	1	-0.090604	5	0.00097	0.00051	0.046261	0.13686	0.003366009	TSS	NM_017001	Epo
12	24466115	24466410	1	-0.091064	5	1.30E-05	3.40E-05	0.018986	0.11005	9.66E-05	TSS	NM_001127570	Trip6
12	24466537	24466949	1	-0.208746	5	5.60E-07	7.50E-06	0.080603	0.28935	7.29E-06	TSS	NM_001127570	Trip6
12	24996406	24996567	1	-0.130346	5	0.0035	0.038	0.31372	0.44406	0.009686665	Intergenic	NA	NA
12	25071916	25072036	1	-0.092978	5	0.011	0.015	0.11739	0.21037	0.02463877	Intergenic	NA	NA
12	25315187	25315277	1	-0.050962	10	0.0017	0.00016	0.11599	0.16695	0.005339493	Intergenic	NA	NA
12	25570891	25570940	1	-0.148498	5	0.02	0.088	0.47481	0.6233	0.039778219	Intragenic	NM_001105920	Alkbh4
12	25994986	25995078	1	-0.191399	5	0.00015	0.00014	0.24	0.4314	0.000724207	Intragenic	NM_001010945	Tmem120a
12	26652352	26652697	0.002	-0.169166	9	4.80E-11	6.20E-09	0.023784	0.19295	2.27E-09	TSS	NM_001128193	Vps37d
12	26745213	26745270	0.0058	-0.193802	5	6.30E-08	1.80E-08	0.043775	0.23758	1.18E-06	Intergenic	NA	NA
12	26762037	26762131	0.77	-0.166445	7	1.20E-07	2.40E-06	0.095763	0.26221	2.01E-06	TSS	NM_001012022	Cldn4
12	26864249	26864354	1	-0.18328	9	0.00019	0.0014	0.29344	0.47672	0.000879857	Intergenic	NA	NA
12	26918116	26918213	1	-0.129725	9	0.0033	0.024	0.24026	0.36998	0.009256793	Intergenic	NA	NA
12	26969572	26969731	1	-0.053818	10	0.0029	0.054	0.11574	0.16956	0.008293503	Intergenic	NA	NA
12	27153317	27153551	1	-0.125925	7	0.00026	0.0021	0.084188	0.21011	0.001130807	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	27203834	27203902	1	-0.130045	5	0.0068	0.088	0.44386	0.5739	0.016642688	Intragenic	NM_021997	Clip2
12	27512968	27513169	1.10E-08	-0.085966	19	4.30E-14	3.50E-14	0.018259	0.10423	6.64E-12	Intragenic	NM_053734	Ncf1
12	30704331	30704435	1	-0.152563	5	0.0013	0.024	0.28244	0.435	0.004277683	Intragenic	NM_001025112	Wbscr17
12	30927459	30927596	6.30E-08	-0.110658	13	4.60E-14	2.00E-13	0.019595	0.13025	6.64E-12	Intragenic	NM_001025112	Wbscr17
12	31237189	31237273	1	-0.211535	5	6.20E-05	0.00094	0.2685	0.48004	0.000349462	Intergenic	NA	NA
12	31597385	31597449	1	-0.109795	5	0.017	0.037	0.18134	0.29113	0.034796287	Intragenic	NM_001077201	Caln1
12	31644179	31644341	1	-0.110515	6	0.017	0.026	0.17074	0.28125	0.034796287	Intragenic	NM_001077201	Caln1
12	31645379	31645437	1	-0.052968	5	0.0087	0.038	0.064495	0.11746	0.020391633	Intragenic	NM_001077201	Caln1
12	31864471	31864574	1	-0.135764	5	0.014	0.039	0.42033	0.55609	0.029850603	Intragenic	NM_001008289	Sbds
12	32048459	32048693	1	-0.186746	7	5.80E-07	0.00049	0.079527	0.26627	7.50E-06	Intergenic	NA	NA
12	32104235	32104296	1	-0.239564	5	0.0024	0.025	0.34732	0.58689	0.00705499	Intragenic	NM_021577	Asl
12	32375533	32375680	1	-0.109056	7	0.00093	0.00082	0.63816	0.74722	0.003255406	Intergenic	NA	NA
12	32463339	32463376	1	-0.17544	5	7.10E-06	3.30E-05	0.15806	0.3335	5.86E-05	Intragenic	NM_001009679	Psph
12	32471021	32471151	1	-0.143488	5	0.0019	0.0093	0.25265	0.39614	0.005855937	Intragenic	NM_001017486	Gbas
12	32476242	32476289	0.0021	-0.455712	5	6.30E-08	6.60E-09	0.20374	0.65945	1.18E-06	Intragenic	NM_001017486	Gbas
12	33026738	33026847	1	-0.17293	5	7.80E-05	0.00052	0.12541	0.29834	0.000422981	Intergenic	NA	NA
12	33164795	33164929	1	-0.128297	8	0.00011	0.00015	0.13072	0.25902	0.000565143	Intergenic	NA	NA
12	33217135	33217249	1	-0.192062	5	0.011	0.057	0.28023	0.47229	0.02463877	Intergenic	NA	NA
12	33505141	33505370	1	-0.137433	9	0.013	0.046	0.43579	0.57322	0.028097302	Intragenic	NM_001100488	Rimbp2
12	33577447	33577527	1	-0.130295	5	6.30E-06	1.60E-05	0.22632	0.35661	5.33E-05	Intergenic	NA	NA
12	33587149	33587249	5.90E-07	-0.245128	12	5.10E-14	1.80E-12	0.27401	0.51914	6.72E-12	Intergenic	NA	NA
12	33814415	33814527	1	-0.249035	5	2.50E-06	7.10E-05	0.053048	0.30208	2.52E-05	Intergenic	NA	NA
12	34842768	34842942	1	-0.235821	7	1.20E-05	0.0013	0.33689	0.57271	9.15E-05	Intergenic	NA	NA
12	34880198	34880294	1	-0.139648	5	0.002	0.00014	0.12813	0.26778	0.006079939	Intergenic	NA	NA
12	35328974	35329050	1	-0.120662	5	0.025	0.039	0.57311	0.69377	0.047453009	Intergenic	NA	NA
12	35353826	35353914	1	-0.1066	5	0.0029	0.059	0.10722	0.21382	0.008293503	Intergenic	NA	NA
12	35673181	35673384	1	-0.070676	8	0.0042	0.07	0.13983	0.21051	0.011250869	Intergenic	NA	NA
12	35721344	35721487	1	-0.120979	9	0.0034	0.02	0.28401	0.40499	0.009519525	Intergenic	NA	NA
12	37443579	37443809	1	-0.076778	10	0.023	0.15	0.69705	0.77382	0.04441443	Intergenic	NA	NA
12	38430158	38430279	1	-0.281889	6	3.90E-07	2.40E-05	0.14077	0.42266	5.46E-06	Intergenic	NA	NA
12	38530559	38530903	3.80E-11	-0.175433	17	4.10E-14	1.20E-16	0.030527	0.20596	6.64E-12	Intergenic	NA	NA
12	38666528	38666588	1	-0.054322	5	0.008	0.015	0.099193	0.15352	0.019059477	Intergenic	NA	NA
12	38751813	38751898	1	-0.087414	5	0.00036	0.00095	0.058537	0.14595	0.001486639	Intragenic	NM_001108334	Ncor2
12	38785822	38786093	8.50E-12	-0.081835	16	4.10E-14	2.60E-17	0.004891	0.086726	6.64E-12	Intragenic	NM_001108334	Ncor2
12	38820212	38820276	1	-0.124863	5	0.00017	0.00028	0.1238	0.24866	0.000806192	Intragenic	NM_001108334	Ncor2
12	38844231	38844320	1	-0.099098	5	0.0012	0.039	0.093652	0.19275	0.004013471	Intragenic	NM_001108334	Ncor2
12	38867583	38867644	1	-0.083101	5	0.0022	0.038	0.02697	0.11007	0.006578104	Intragenic	NM_001108334	Ncor2
12	38867991	38868108	1	-0.153811	5	0.0041	0.025	0.26361	0.41742	0.01100507	Intragenic	NM_001108334	Ncor2
12	38883983	38884049	1	-0.128012	5	0.013	0.038	0.43019	0.5582	0.028097302	Intragenic	NM_001108334	Ncor2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	38885049	38885523	1	-0.153744	7	7.70E-06	0.00047	0.094036	0.24778	6.32E-05	Intragenic	NM_001108334	Ncor2
12	38924065	38924168	1	-0.133484	5	0.00017	0.00053	0.096897	0.23038	0.000806192	TSS	NM_001109547	Fam101a
12	39013985	39014079	1	-0.105572	5	7.80E-05	0.003	0.10709	0.21266	0.000422981	Intergenic	NA	NA
12	39142690	39142819	1	-0.136499	8	0.00012	0.012	0.22218	0.35868	0.000603617	Intergenic	NA	NA
12	39146549	39146871	1	-0.187775	5	0.0094	0.038	0.69678	0.88456	0.021723038	Intergenic	NA	NA
12	39196588	39196824	1	-0.184751	12	4.40E-07	0.00021	0.19623	0.38098	6.02E-06	Intergenic	NA	NA
12	39429537	39429596	1	-0.18379	5	0.0045	0.0055	0.29405	0.47784	0.011905878	Intergenic	NA	NA
12	39656725	39656892	1	-0.190851	5	0.008	0.038	0.23498	0.42583	0.019059477	Intergenic	NA	NA
12	39872998	39873424	1	-0.132885	10	0.0081	0.04	0.35796	0.49085	0.019293895	Intragenic	NM_001105928	Vps37b
12	39894314	39894469	1	-0.143579	5	0.013	0.024	0.13142	0.275	0.028097302	Intragenic	NM_001105928	Vps37b
12	40015971	40016014	1	-0.2018	5	1.90E-05	0.00014	0.12756	0.32936	0.000131674	TSS	NM_001145334	Gpr81
12	40565890	40566303	0.00022	-0.190446	13	7.50E-13	6.70E-10	0.058638	0.24908	5.89E-11	Intergenic	NA	NA
12	40655470	40655543	1	-0.170841	5	0.0012	0.025	0.19551	0.36635	0.004013471	Intergenic	NA	NA
12	40703254	40703327	1	-0.216811	5	0.0022	0.0053	0.49857	0.71538	0.006578104	Intergenic	NA	NA
12	40775199	40775491	3.30E-05	-0.109302	17	5.20E-14	1.00E-10	0.019837	0.12914	6.72E-12	Intergenic	NA	NA
12	40793957	40794188	1	-0.169988	8	0.00012	0.0026	0.27936	0.44935	0.000603617	Intragenic	NM_001271309	Tmem120b
12	40805856	40805962	1	-0.245877	5	1.70E-06	0.00014	0.096699	0.34258	1.83E-05	Intragenic	NM_001271309	Tmem120b
12	41006537	41006615	1	-0.162258	5	0.017	0.18	0.34057	0.50283	0.034796287	Intragenic	NM_001100679	Kdm2b
12	41035306	41035514	1	-0.145765	18	0.00018	0.0012	0.40115	0.54692	0.000849258	Intragenic	NM_001100679:NM_031338	Kdm2b:Camkk2
12	41183821	41184198	1	-0.128745	8	0.013	0.068	0.20699	0.33574	0.028097302	Intragenic	NM_031338	Camkk2
12	41284403	41284500	1	-0.056893	5	0.0008	0.0092	0.056574	0.11347	0.002866309	TSS	NM_019256	P2rx7
12	41284505	41284671	1	-0.117969	10	6.80E-05	0.0019	0.25054	0.36851	0.000379896	TSS	NM_019256	P2rx7
12	41412825	41412935	1	-0.152674	5	1.70E-05	0.00027	0.057538	0.21021	0.000120524	Intergenic	NA	NA
12	41620759	41620915	0.6	-0.215926	9	3.90E-09	1.80E-06	0.14464	0.36056	1.06E-07	Intragenic	NM_001107141	Pptc7
12	41620919	41620990	1	-0.137167	5	0.0094	0.038	0.1746	0.31177	0.021723038	Intragenic	NM_001107141	Pptc7
12	41621836	41622044	1	-0.130311	10	0.00066	0.012	0.524	0.65431	0.002462347	Intragenic	NM_001107141	Pptc7
12	41777275	41777417	1	-0.12192	7	0.0004	0.019	0.12156	0.24348	0.00162337	Intergenic	NA	NA
12	41793456	41794061	1	-0.095487	14	0.0028	0.004	0.18162	0.2771	0.008113721	Intragenic	NM_001025665	Ccdc63
12	41894659	41894749	1	-0.053396	7	0.015	0.038	0.088356	0.14175	0.031584896	TSS	NM_001271380	Cux2
12	42059786	42060135	1	-0.097082	6	0.0013	0.0026	0.13384	0.23092	0.004277683	Intragenic	NM_001271380	Cux2
12	42072848	42072962	1	-0.172689	5	0.00097	0.0018	0.53026	0.70295	0.003366009	Intragenic	NM_001271380	Cux2
12	42112971	42113187	1	0.064921	8	8.30E-05	0.00025	0.12915	0.064232	0.00044747	Intergenic	NA	NA
12	42122758	42122813	1	-0.188656	5	1.50E-06	7.50E-06	0.076412	0.26507	1.65E-05	Intergenic	NA	NA
12	42123237	42123289	1	-0.14909	5	0.0011	0.0055	0.084137	0.23323	0.003737263	Intergenic	NA	NA
12	42253999	42254212	1	-0.115603	7	0.0051	0.0034	0.10687	0.22247	0.013208341	Intragenic	NM_001271194	Brap
12	42298228	42298336	1	-0.224683	5	0.0063	0.038	0.34095	0.56563	0.015629046	Intragenic	NM_001134537	Acad10
12	42517538	42517660	3.20E-05	-0.216332	7	1.80E-10	9.90E-11	0.0020216	0.21835	7.51E-09	Intragenic	NM_001047900	Naa25
12	42547079	42547102	1	-0.162871	5	3.10E-05	0.0018	0.11773	0.2806	0.000197418	TSS	NM_001047900	Naa25

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	43217223	43217518	1	-0.052792	10	0.0041	0.015	0.052542	0.10533	0.01100507	Intragenic	NM_001009715	Oas2
12	43254949	43255411	1	-0.122729	11	0.0082	0.047	0.47266	0.59539	0.019516617	Intergenic	NA	NA
12	43259171	43259206	1	-0.084166	5	0.0045	0.059	0.16644	0.2506	0.011905878	Intergenic	NA	NA
12	43273757	43273900	1	-0.157876	5	8.10E-06	0.00014	0.10333	0.26121	6.58E-05	Intergenic	NA	NA
12	43279577	43279673	1	-0.185586	5	0.0049	0.024	0.32633	0.51192	0.012753585	Intragenic	NM_001108335	Rasal1
12	43288289	43288688	1	-0.133221	9	0.0017	0.0082	0.24582	0.37904	0.005339493	Intragenic	NM_001108335	Rasal1
12	43344236	43344309	1	-0.085657	7	0.011	0.019	0.27145	0.35711	0.02463877	TSS	NM_001191548:N M_001044226	Ddx54:Rita1
12	43375603	43375925	1	-0.124775	9	0.00021	0.0027	0.088001	0.21278	0.000951214	Intragenic	NM_139332	Tpcn1
12	43393324	43393435	1	-0.156689	5	1.70E-06	7.60E-06	0.035693	0.19238	1.83E-05	Intragenic	NM_139332	Tpcn1
12	43416460	43416638	1	-0.193429	8	0.00091	0.026	0.45229	0.64572	0.003192838	Intragenic	NM_139332	Tpcn1
12	43482724	43482882	1	-0.094511	5	0.0041	0.038	0.084296	0.17881	0.01100507	Intergenic	NA	NA
12	43505814	43505980	1	-0.111709	9	1.90E-08	3.20E-06	0.054185	0.16589	4.37E-07	Intergenic	NA	NA
12	43677174	43677213	1	-0.068494	5	0.019	0.18	0.065521	0.13401	0.038322088	Intergenic	NA	NA
12	43706452	43706622	1	-0.107647	5	0.0087	0.038	0.09909	0.20674	0.020391633	Intergenic	NA	NA
12	43971454	43971674	1	-0.111921	5	0.012	0.088	0.29726	0.40918	0.026435197	Intragenic	NM_001009964	Tbx5
12	44400750	44400817	1	-0.060909	5	0.0035	0.0055	0.087574	0.14848	0.009686665	Intergenic	NA	NA
12	44622688	44622780	1	-0.17316	5	0.0032	0.025	0.32713	0.50029	0.008990975	Intergenic	NA	NA
12	44735916	44736273	1	-0.125632	5	0.0038	0.0088	0.18698	0.31261	0.010352437	Intergenic	NA	NA
12	44736334	44736437	1	-0.095723	5	0.017	0.18	0.14906	0.24478	0.034796287	Intergenic	NA	NA
12	44749368	44749423	1	-0.200069	5	1.90E-06	0.00014	0.11963	0.3197	2.01E-05	Intergenic	NA	NA
12	44874523	44874794	1	-0.059177	15	8.80E-05	0.015	0.098205	0.15738	0.000466886	Intergenic	NA	NA
12	45051414	45051558	1	-0.190385	5	0.011	0.13	0.29273	0.48312	0.02463877	Intergenic	NA	NA
12	45250219	45250322	1	-0.178819	5	0.008	0.039	0.31955	0.49837	0.019059477	Intergenic	NA	NA
12	45543162	45543266	1	-0.131692	5	0.0041	0.059	0.18572	0.31742	0.01100507	Intergenic	NA	NA
12	45543303	45543511	1	-0.051133	7	0.00031	0.00077	0.024868	0.076002	0.001320549	Intergenic	NA	NA
12	45647816	45647999	1	-0.173146	7	0.0046	0.072	0.31331	0.48646	0.012157071	Intergenic	NA	NA
12	45696078	45696191	1	-0.054135	8	0.0042	0.0088	0.75346	0.80759	0.011250869	Intergenic	NA	NA
12	46008318	46008624	1	-0.130175	12	1.30E-05	0.0014	0.139	0.26918	9.66E-05	Intergenic	NA	NA
12	46246321	46246510	1	-0.138076	6	0.01	0.084	0.40559	0.54367	0.02275947	Intergenic	NA	NA
12	46300665	46300783	1	-0.056039	5	0.00012	0.00053	0.027263	0.083302	0.000603617	Intergenic	NA	NA
12	46583663	46583770	1	-0.189758	8	0.00037	0.018	0.35521	0.54497	0.001526885	Intergenic	NA	NA
12	46601443	46601599	1	-0.178977	7	1.90E-06	2.70E-05	0.14176	0.32073	2.01E-05	Intergenic	NA	NA
12	46640478	46640580	1	-0.105613	5	0.017	0.13	0.14666	0.25227	0.034796287	Intergenic	NA	NA
12	46829511	46829582	1	-0.073274	5	5.00E-05	0.00098	0.063369	0.13664	0.000291675	Intergenic	NA	NA
12	46890964	46891149	1	-0.129633	8	0.018	0.019	0.28345	0.41309	0.036742993	Intragenic	NM_001024254	Taok3
12	47002216	47002320	1	-0.160429	5	0.0022	0.0091	0.21412	0.37455	0.006578104	TSS	NM_001024254	Taok3
12	47123851	47124111	9.00E-05	-0.183418	17	4.40E-14	2.80E-10	0.083075	0.26649	6.64E-12	Intergenic	NA	NA
12	47631486	47631581	1	-0.23762	7	5.80E-08	8.80E-06	0.24059	0.47821	1.17E-06	Intergenic	NA	NA

chr	start	stop	q-value	methy1.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	47684788	47684847	1	-0.083958	5	0.0011	0.0032	0.042617	0.12657	0.003737263	Intergenic	NA	NA
12	47694927	47694975	1	0.094791	5	0.00012	0.0018	0.21939	0.12459	0.000603617	Intergenic	NA	NA
12	48018042	48018084	1	-0.23593	5	0.00039	0.0093	0.24368	0.47961	0.001587612	Intergenic	NA	NA
12	48046786	48047151	1	0.232588	5	0.0012	0.015	0.36405	0.13146	0.004013471	Intergenic	NA	NA
12	48122711	48122819	1	-0.079774	5	3.90E-05	7.00E-05	0.015495	0.095269	0.000237659	Intragenic	NM_031976	Prkab1
12	48233261	48233491	1	-0.083851	13	0.0086	0.071	0.20707	0.29092	0.020387887	Intragenic	NM_001029911	Cit
12	48538234	48538301	1	-0.276082	5	0.00012	0.0055	0.25498	0.53107	0.000603617	Intragenic	NM_001168664	Gcn1l1
12	48667523	48667577	1	-0.154002	5	0.00017	0.0032	0.15576	0.30977	0.000806192	TSS	NM_001107147	Sirt4
12	48669948	48670120	1	-0.139849	15	0.0001	0.012	0.39865	0.5385	0.000521119	Intragenic	NM_001107147	Sirt4
12	48679283	48679344	1	-0.152321	5	0.0029	0.015	0.26705	0.41937	0.008293503	Intragenic	NM_031585	Pla2g1b
12	48679428	48679471	1	-0.125289	5	0.019	0.039	0.54364	0.66892	0.038322088	Intragenic	NM_031585	Pla2g1b
12	48711300	48711342	1	-0.055122	5	0.0074	0.0032	0.12291	0.17803	0.017853001	Intragenic	NM_148890	Msi1
12	48770945	48771083	1	-0.116938	5	0.00023	0.00096	0.076628	0.19357	0.00102405	Intergenic	NA	NA
12	48867540	48867598	1	-0.156304	5	9.20E-06	0.00028	0.05685	0.21315	7.32E-05	TSS	NM_053319	Dynll1
12	48969794	48969973	1	-0.239354	9	7.00E-06	0.0028	0.26671	0.50606	5.86E-05	Intergenic	NA	NA
12	49004459	49004662	1	-0.151757	9	0.00011	0.00021	0.49567	0.64742	0.000565143	Intragenic	NM_001033676:N M_001033675:N M_133529	Cabp1:Cabp1: Cabp1
12	49046402	49046694	1	-0.148916	8	0.00072	0.0083	0.17318	0.32209	0.002634665	Intragenic	NM_001105934	Unc119b
12	49056386	49056483	1	-0.233772	5	1.70E-06	7.60E-06	0.085625	0.3194	1.83E-05	Intragenic	NM_022512	Acads
12	49178788	49178905	1	-0.19614	5	0.00023	0.0018	0.14994	0.34608	0.00102405	Intergenic	NA	NA
12	49178959	49179126	1	-0.11254	5	0.02	0.18	0.1715	0.28404	0.039778219	Intergenic	NA	NA
12	49186721	49186971	1	-0.159794	12	0.00053	0.017	0.38676	0.54655	0.002069204	Intergenic	NA	NA
12	49202060	49202525	0.14	-0.145193	13	1.50E-09	4.30E-07	0.060359	0.20555	4.72E-08	TSS	NM_012669	Hnf1a
12	49227624	49227898	1	-0.187456	8	0.00015	0.013	0.1785	0.36596	0.000724207	Intragenic	NM_001009630	RGD1311899
12	49238260	49238318	1	-0.124684	5	0.0017	0.0055	0.22357	0.34826	0.005339493	Intragenic	NM_001009681	Oasl
12	49255207	49255327	1	-0.132571	5	0.016	0.087	0.2093	0.34187	0.033288089	Intergenic	NA	NA
12	49294875	49295033	1	-0.099214	8	0.026	0.091	0.41898	0.51819	0.049234478	Intergenic	NA	NA
12	49379467	49379771	1	-0.158876	7	4.80E-05	0.0013	0.2107	0.36958	0.000285411	Intragenic	NM_001012148	Ankrd13a
12	49444885	49444979	1	-0.276035	5	3.50E-05	3.40E-05	0.33031	0.60635	0.000218038	TSS	NM_001191666	Tchp
12	49497231	49497372	1	-0.161169	5	0.021	0.087	0.48965	0.65081	0.041207871	Intragenic	NM_023970	Trpv4
12	49574903	49575067	1	-0.170506	7	0.00018	0.0054	0.33053	0.50103	0.000849258	Intragenic	NM_001109067	Fam222a
12	49591929	49592189	1	-0.148889	9	4.10E-06	1.70E-05	0.1421	0.29099	3.78E-05	Intergenic	NA	NA
12	49597267	49597604	1	-0.271178	5	2.90E-06	3.40E-05	0.13595	0.40713	2.84E-05	Intergenic	NA	NA
12	49724788	49724852	1	-0.154119	5	1.30E-05	0.00014	0.12083	0.27495	9.66E-05	Intergenic	NA	NA
12	49938821	49938963	1	-0.200013	5	1.70E-05	3.40E-05	0.12605	0.32606	0.000120524	Intragenic	NM_053922	Acacb
12	50029294	50029415	0.74	-0.231512	7	2.50E-08	2.30E-06	0.23549	0.46701	5.59E-07	Intragenic	NM_001013124	Ung
12	50131987	50132285	0.91	-0.192189	14	2.20E-09	2.80E-06	0.18603	0.37822	6.51E-08	Intragenic	NM_134404	Svop
12	50133129	50133231	1	-0.219124	5	3.50E-05	0.0018	0.14403	0.36315	0.000218038	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	50133312	50133422	1	-0.128914	5	0.012	0.088	0.29507	0.42399	0.026435197	Intergenic	NA	NA
12	50156553	50156662	0.6	-0.209738	9	2.60E-07	1.80E-06	0.13839	0.34813	3.84E-06	TSS	NM_053626	Dao
12	50262633	50262761	1	-0.102301	5	0.0074	0.059	0.11219	0.21449	0.017853001	Intergenic	NA	NA
12	50385709	50386088	1	-0.084351	5	0.0074	0.0055	0.13941	0.22376	0.017853001	Intragenic	NM_001107155	Tmem119
12	50618778	50618818	1	0.146516	5	0.0035	0.0032	0.36527	0.21875	0.009686665	Intragenic	NM_001271178	Wscd2
12	50628475	50628552	1	-0.172396	5	0.00072	0.0017	0.24539	0.41778	0.002634665	Intragenic	NM_001271178	Wscd2
12	50820359	50820441	1	-0.141823	5	0.0058	0.015	0.12738	0.2692	0.014624129	Intergenic	NA	NA
12	50840588	50840751	1	-0.178568	9	0.00018	0.004	0.30717	0.48574	0.000849258	Intergenic	NA	NA
12	50853679	50853823	1	-0.131691	6	0.02	0.059	0.22769	0.35938	0.039778219	Intergenic	NA	NA
12	51091288	51091469	1	-0.141012	8	0.019	0.13	0.36494	0.50595	0.038322088	Intergenic	NA	NA
12	51110625	51110725	1	-0.135547	7	0.00013	1.60E-05	0.18044	0.31599	0.000648758	Intragenic	NM_001105937	Sgsm1
12	51122897	51123044	1	-0.162211	5	0.0029	0.0055	0.20735	0.36956	0.008293503	Intragenic	NM_001105937	Sgsm1
12	51329710	51329820	1	-0.179058	5	0.021	0.0052	0.43633	0.61539	0.041207871	Intergenic	NA	NA
12	51548915	51549193	1	-0.150348	6	0.02	0.081	0.38998	0.54032	0.039778219	Intergenic	NA	NA
12	51553877	51554016	1	-0.156605	5	0.023	0.038	0.29583	0.45244	0.04441443	Intergenic	NA	NA
12	51621424	51621538	1	-0.141596	5	0.025	0.059	0.54229	0.68389	0.047453009	Intergenic	NA	NA
12	51798460	51798589	1	-0.250164	5	1.90E-06	1.60E-05	0.3501	0.60026	2.01E-05	Intergenic	NA	NA
12	51903418	51903473	1	-0.175296	5	0.0008	0.003	0.24029	0.41558	0.002866309	Intragenic	NM_001134538	Sez6l
12	52040201	52040294	1	-0.137471	5	0.00032	0.00052	0.26814	0.40561	0.001346443	Intergenic	NA	NA
12	52135037	52135105	0.015	-0.339793	5	1.10E-07	4.50E-08	0.059235	0.39903	1.86E-06	Intragenic	NM_001008508	Tpst2
12	52156978	52157056	1	-0.185065	7	0.0018	0.013	0.31683	0.5019	0.005640313	Intragenic	NM_012936	Crybb1
12	52308813	52308946	1	-0.171893	5	5.00E-05	0.00097	0.10847	0.28037	0.000291675	Intergenic	NA	NA
12	52330882	52330959	1	-0.114179	5	0.025	0.13	0.35388	0.46806	0.047453009	Intergenic	NA	NA
12	52330967	52331025	1	-0.161502	5	1.50E-05	0.00052	0.37468	0.53618	0.000109113	Intergenic	NA	NA
12	52351056	52351452	1	-0.132748	8	0.0023	0.05	0.25822	0.39097	0.00686004	Intergenic	NA	NA
12	52633327	52633664	1	-0.108679	10	0.00066	0.022	0.18624	0.29492	0.002462347	Intergenic	NA	NA
12	52846747	52846918	1	-0.07229	7	0.0002	0.0013	0.02197	0.09426	0.00092049	Intergenic	NA	NA
12	52866217	52866428	1	-0.157406	11	1.20E-07	5.00E-05	0.1148	0.27221	2.01E-06	Intergenic	NA	NA
12	52883013	52883164	1	-0.222895	7	0.00014	0.0013	0.37145	0.59434	0.000684451	Intergenic	NA	NA
12	52884394	52884451	1	-0.161696	5	2.40E-05	6.80E-05	0.090548	0.25224	0.000160049	Intergenic	NA	NA
12	52910129	52910722	1	-0.143304	16	0.00012	0.013	0.21239	0.35569	0.000603617	Intergenic	NA	NA
12	52989090	52989301	1	-0.170239	11	1.60E-05	0.004	0.33916	0.5094	0.000115757	Intragenic	NM_001191928	Mn1
12	52989668	52989702	1	-0.05996	5	0.02	0.087	0.076474	0.13643	0.039778219	Intragenic	NM_001191928	Mn1
12	52989791	52990021	1	-0.123129	18	0.00021	0.021	0.13384	0.24675	0.000951214	TSS	NM_001191928	Mn1
12	52990034	52990111	1	-0.109259	5	0.0035	0.024	0.105	0.21426	0.009686665	TSS	NM_001191928	Mn1
12	52990143	52991118	1.80E-08	-0.186059	42	4.60E-14	5.60E-14	0.18606	0.37212	6.64E-12	TSS	NM_001191928	Mn1
12	52991273	52991317	1	-0.075099	5	0.00019	0.0055	0.085821	0.16092	0.000879857	TSS	NM_001191928	Mn1
12	53803721	53803809	0.00096	-0.444436	9	1.20E-11	3.00E-09	0.23679	0.68122	6.71E-10	Intergenic	NA	NA
12	53957694	53957826	1	-0.270534	5	1.50E-05	0.00098	0.13614	0.40668	0.000109113	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	54112107	54112425	1	-0.116984	27	1.50E-05	0.0004	0.34253	0.45952	0.000109113	Intergenic	NA	NA
12	54426375	54426588	1	-0.231105	5	0.0049	0.015	0.22571	0.45682	0.012753585	Intergenic	NA	NA
13	1726633	1726766	1	-0.165104	7	6.00E-05	0.0051	0.42954	0.59465	0.000341554	Intergenic	NA	NA
13	2003043	2003123	1	-0.132675	5	0.017	0.038	0.51415	0.64682	0.034796287	Intergenic	NA	NA
13	2608048	2608142	1	-0.139209	7	1.90E-05	9.70E-05	0.68587	0.82508	0.000131674	Intergenic	NA	NA
13	2608647	2608716	1	-0.152589	7	0.00083	0.0078	0.53855	0.69114	0.002961434	Intergenic	NA	NA
13	4804095	4804227	1	-0.156692	9	4.30E-06	7.60E-05	0.25308	0.40977	3.93E-05	Intergenic	NA	NA
13	5338334	5338575	3.00E-07	-0.224071	14	5.90E-12	9.10E-13	0.17176	0.39584	3.75E-10	Intergenic	NA	NA
13	16435043	16435213	1	-0.189607	8	0.0085	0.063	0.43085	0.62046	0.020154795	Intergenic	NA	NA
13	18559654	18559842	1	-0.054996	11	0.0057	0.16	0.14992	0.20492	0.014573809	Intergenic	NA	NA
13	20917764	20917865	1	-0.216093	5	6.30E-06	3.40E-05	0.31184	0.52793	5.33E-05	Intergenic	NA	NA
13	20952050	20952268	1	-0.127283	11	0.0044	0.035	0.54473	0.67201	0.011763026	Intergenic	NA	NA
13	21741386	21741404	1	-0.24208	5	1.30E-05	0.00014	0.42882	0.6709	9.66E-05	Intergenic	NA	NA
13	22841754	22841862	1	-0.145003	5	0.015	0.0055	0.32708	0.47209	0.031584896	Intergenic	NA	NA
13	26433173	26433371	1	-0.099234	5	0.014	0.039	0.14222	0.24145	0.029850603	Intergenic	NA	NA
13	26433425	26433504	1	-0.213195	5	0.02	0.058	0.48181	0.69501	0.039778219	Intergenic	NA	NA
13	27712168	27712280	0.89	-0.371237	8	4.60E-08	2.80E-06	0.33401	0.70525	9.56E-07	Intragenic	NM_001047873	Cntnap5b
13	27714552	27714664	0.89	-0.371237	8	4.60E-08	2.80E-06	0.33401	0.70525	9.56E-07	Intragenic	NM_001047873	Cntnap5b
13	30023489	30023549	1	-0.153105	5	0.00054	0.0054	0.66407	0.81718	0.002077867	Intragenic	NM_001012748	Cdh20
13	30085117	30085240	0.35	-0.249841	11	1.60E-07	1.10E-06	0.21217	0.46201	2.51E-06	Intragenic	NM_001012748	Cdh20
13	31289697	31289779	1	-0.168307	5	0.0041	0.037	0.25531	0.42362	0.01100507	Intergenic	NA	NA
13	31329082	31329452	1	-0.123471	7	7.10E-06	0.00047	0.093318	0.21679	5.86E-05	TSS	NM_021657	Phlpp1
13	31641694	31641761	1	-0.452267	5	4.30E-06	7.00E-05	0.22327	0.67553	3.93E-05	Intergenic	NA	NA
13	31842781	31843160	1	-0.097881	7	2.40E-05	0.0013	0.072998	0.17088	0.000160049	Intragenic	NM_016993	Bcl2
13	31961791	31961862	1	-0.118225	5	1.00E-05	0.00014	0.090243	0.20847	7.82E-05	TSS	NM_001108342	Kdsr
13	32171076	32171143	1	-0.452267	5	4.30E-06	7.00E-05	0.22327	0.67553	3.93E-05	Intergenic	NA	NA
13	33061482	33061631	1	-0.198154	7	3.60E-05	0.00029	0.18118	0.37933	0.000223919	Intergenic	NA	NA
13	34435281	34435352	1	-0.150108	5	0.00054	0.0031	0.58829	0.73839	0.002077867	Intergenic	NA	NA
13	34895883	34896075	1	-0.131388	7	0.016	0.018	0.54072	0.67211	0.033288089	Intergenic	NA	NA
13	36219148	36219197	1	-0.052584	7	3.80E-07	1.60E-05	0.017213	0.069797	5.34E-06	Intergenic	NA	NA
13	36657428	36657564	1	-0.050606	5	0.017	0.059	0.85744	0.90805	0.034796287	Intergenic	NA	NA
13	37176084	37176143	1	-0.107666	5	0.0074	0.024	0.70525	0.81291	0.017853001	Intergenic	NA	NA
13	37438144	37438204	1	-0.059851	5	0.0038	0.024	0.87861	0.93846	0.010352437	Intergenic	NA	NA
13	39428083	39428222	1	-0.159476	6	0.0069	0.084	0.35326	0.51273	0.01685311	Intergenic	NA	NA
13	39882208	39882320	1	-0.111994	5	0.002	0.058	0.1096	0.2216	0.006079939	Intergenic	NA	NA
13	40091729	40091808	1	-0.200139	5	8.10E-06	0.00014	0.12669	0.32683	6.58E-05	Intergenic	NA	NA
13	40114727	40114843	1	-0.193252	5	0.00054	0.00051	0.14459	0.33784	0.002077867	Intergenic	NA	NA
13	40234963	40235113	1	-0.143172	7	0.0087	0.027	0.37742	0.5206	0.020391633	Intergenic	NA	NA
13	40486821	40486914	1	-0.18375	5	0.00097	0.0055	0.24999	0.43374	0.003366009	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	40634988	40635106	1	-0.12222	5	0.017	0.18	0.24965	0.37187	0.034796287	Intragenic	NM_053821	Ralb
13	40783331	40783421	1.80E-06	-0.240212	8	1.20E-11	5.60E-12	0.041202	0.28141	6.71E-10	Intragenic	NM_001012023	Epb4.1l5
13	41258811	41259218	1	-0.177267	8	1.70E-05	0.00015	0.18127	0.35854	0.000120524	Intragenic	NM_031853	Dbi
13	42155061	42155168	1	-0.153995	5	0.0024	0.015	0.50591	0.65991	0.00705499	Intergenic	NA	NA
13	46237142	46237278	1	-0.061642	7	0.0016	0.0077	0.71442	0.77607	0.005100053	Intergenic	NA	NA
13	47896351	47896524	1	-0.112593	5	0.013	0.024	0.38413	0.49672	0.028097302	Intergenic	NA	NA
13	48653254	48653410	1	-0.11282	5	2.90E-06	7.00E-05	0.037807	0.15063	2.84E-05	Intergenic	NA	NA
13	49025099	49025255	1	-0.111507	5	4.30E-06	0.00028	0.038145	0.14965	3.93E-05	Intragenic	NM_023095	Mgat5
13	49749258	49749411	1	-0.209017	5	0.0074	0.059	0.41662	0.62564	0.017853001	Intergenic	NA	NA
13	50523287	50523385	1	-0.161863	7	0.00016	0.0012	0.4287	0.59056	0.000769396	Intergenic	NA	NA
13	52033469	52033517	1	-0.234259	5	1.90E-05	0.00052	0.51701	0.75126	0.000131674	Intergenic	NA	NA
13	52702723	52702977	1	-0.069725	10	9.20E-06	0.00023	0.077981	0.14771	7.32E-05	Intragenic	NM_001014843	Fcmr
13	53127946	53128087	1	-0.334355	5	0.00015	0.00014	0.30653	0.64088	0.000724207	Intragenic	NM_001108854	lkbke
13	53404212	53404267	1	-0.183863	5	0.00026	0.0092	0.5943	0.77816	0.001130807	Intergenic	NA	NA
13	53976030	53976168	1	-0.146721	5	0.00048	0.00052	0.096414	0.24314	0.001881331	Intergenic	NA	NA
13	54167550	54167714	0.088	-0.342275	5	2.80E-07	2.70E-07	0.058937	0.40121	4.09E-06	Intragenic	NM_001007617	Nuak2
13	54175730	54176023	1	-0.124557	13	7.00E-06	0.0034	0.14638	0.27094	5.86E-05	Intragenic	NM_001007617	Nuak2
13	54365264	54365335	1	-0.14679	5	0.0013	0.015	0.36945	0.51624	0.004277683	Intragenic	NM_012884	Cntn2
13	54373368	54373841	1	-0.078229	10	0.011	0.026	0.18876	0.26699	0.02463877	Intragenic	NM_012884	Cntn2
13	54389571	54389602	1	-0.062777	5	0.002	0.039	0.043583	0.10636	0.006079939	TSS	NM_012884	Cntn2
13	55016386	55016476	1	-0.222013	5	8.80E-05	7.00E-05	0.18017	0.40218	0.000466886	Intergenic	NA	NA
13	55037412	55037650	1	-0.181773	7	0.012	0.078	0.27281	0.45458	0.026435197	Intergenic	NA	NA
13	55047658	55047926	1	-0.116789	5	0.025	0.18	0.16932	0.28611	0.047453009	Intergenic	NA	NA
13	55285954	55285991	1	-0.105614	5	0.0074	0.0054	0.716	0.82162	0.017853001	Intragenic	NM_001047902	Zc3h11a
13	55493342	55493413	1	-0.096104	5	0.0012	0.0055	0.029211	0.12531	0.004013471	Intragenic	NM_001105952	Sox13
13	55582334	55582900	1	-0.097998	13	2.70E-05	0.001	0.14983	0.24783	0.000178372	Intragenic	NM_181692	Kiss1
13	55623037	55623165	1	-0.237601	5	1.70E-05	6.60E-05	0.031699	0.2693	0.000120524	Intergenic	NA	NA
13	55665162	55665236	1	-0.181304	8	0.0019	0.0038	0.57201	0.75331	0.005855937	Intergenic	NA	NA
13	55713949	55714196	1	-0.205442	9	2.70E-05	0.0014	0.19812	0.40357	0.000178372	Intergenic	NA	NA
13	55855781	55856196	1	-0.167058	11	7.90E-05	0.0048	0.18917	0.35623	0.000427247	Intergenic	NA	NA
13	55937252	55937306	1	-0.230644	5	0.00039	0.0055	0.51894	0.74958	0.001587612	Intragenic	NM_080698	Fmod
13	55989365	55989764	1	-0.070318	5	0.0058	0.059	0.051113	0.12143	0.014624129	Intergenic	NA	NA
13	56064279	56064389	1	-0.291342	5	7.10E-06	7.40E-06	0.16211	0.45346	5.86E-05	Intergenic	NA	NA
13	56192673	56193110	1	-0.116718	5	0.0094	0.015	0.098841	0.21556	0.021723038	Intragenic	NM_080409	Ppfia4
13	56206831	56206971	1	-0.184515	5	0.0024	0.015	0.037673	0.22219	0.00705499	Intragenic	NM_080409	Ppfia4
13	56816483	56816716	1	-0.190102	6	0.0023	0.011	0.32039	0.51049	0.00686004	Intragenic	NM_001107178	Ppp1r12b
13	56866910	56867115	1	-0.228272	5	0.016	0.087	0.36026	0.58853	0.033288089	Intergenic	NA	NA
13	56886054	56886193	1	-0.182509	5	0.015	0.088	0.32299	0.5055	0.031584896	Intergenic	NA	NA
13	57093403	57093694	1	-0.224477	5	0.013	0.037	0.19132	0.4158	0.028097302	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	57386716	57387192	1	-0.148934	7	0.014	0.11	0.22821	0.37714	0.029850603	Intergenic	NA	NA
13	57408991	57409060	1	-0.123139	5	0.021	0.085	0.17849	0.30163	0.041207871	Intergenic	NA	NA
13	57461381	57461909	1	-0.126737	13	0.0012	0.016	0.24433	0.37106	0.004013471	Intergenic	NA	NA
13	57943375	57943590	1	-0.103254	8	3.40E-06	0.00066	0.045073	0.14833	3.25E-05	TSS	NM_053873	Cacna1s
13	58061763	58061855	1	-0.117745	7	0.024	0.14	0.53228	0.65002	0.046241462	Intragenic	NM_001105990	Kif21b
13	58156793	58156856	1	-0.116736	5	0.00088	0.0092	0.18216	0.2989	0.003092094	Intragenic	NM_001134502	RGD1311892
13	58188997	58189091	1	-0.091342	5	0.0087	0.059	0.080655	0.172	0.020391633	Intergenic	NA	NA
13	58511472	58511574	1	-0.112604	5	0.01	0.0055	0.25926	0.37186	0.02275947	Intergenic	NA	NA
13	58617998	58618071	1	-0.134043	5	9.80E-07	7.40E-06	0.046645	0.18069	1.16E-05	Intergenic	NA	NA
13	58958771	58959108	1	-0.132515	9	0.0021	0.012	0.19179	0.3243	0.006364615	Intergenic	NA	NA
13	59016964	59017074	1	-0.245127	5	2.80E-05	0.00013	0.15795	0.40308	0.000182174	Intergenic	NA	NA
13	59205400	59205455	1	-0.142822	5	0.02	0.13	0.53831	0.68113	0.039778219	Intergenic	NA	NA
13	59205572	59205661	1	-0.090959	5	2.40E-05	0.00014	0.058573	0.14953	0.000160049	Intergenic	NA	NA
13	59205682	59205767	0.12	-0.117754	8	1.40E-09	3.60E-07	0.062362	0.18012	4.46E-08	Intergenic	NA	NA
13	61423635	61423698	1	-0.208399	5	1.90E-05	0.0031	0.10334	0.31174	0.000131674	Intragenic	NM_001107182	Crb1
13	63445160	63445444	1	-0.113789	5	0.011	0.024	0.36527	0.47906	0.02463877	Intergenic	NA	NA
13	70077462	70077536	1	-0.428124	7	1.90E-08	8.80E-06	0.16606	0.59418	4.37E-07	Intergenic	NA	NA
13	73405660	73405848	1	-0.163851	7	1.80E-05	0.0013	0.049205	0.21306	0.000127015	Intergenic	NA	NA
13	74008342	74008459	0.0023	-0.221663	7	4.80E-10	7.00E-09	0.15615	0.37781	1.75E-08	Intragenic	NM_022242	Fam129a
13	74201250	74201314	0.49	-0.180932	5	4.90E-07	1.50E-06	0.16888	0.34981	6.54E-06	Intergenic	NA	NA
13	74206498	74206773	1	-0.103905	9	0.024	0.27	0.17863	0.28254	0.046241462	Intergenic	NA	NA
13	74655331	74655423	1	-0.137959	5	0.0094	0.015	0.20293	0.34089	0.021723038	Intergenic	NA	NA
13	74737835	74738162	1	-0.206005	5	0.0087	0.039	0.35341	0.55941	0.020391633	Intragenic	NM_001105958	Tsen15
13	74757969	74758095	1	-0.090922	5	0.016	0.038	0.69287	0.78379	0.033288089	Intergenic	NA	NA
13	74913573	74913644	1	-0.170304	5	5.00E-05	0.0032	0.13728	0.30759	0.000291675	Intragenic	NM_001105957	Rgl1
13	74917661	74917946	1	-0.105971	9	0.026	0.081	0.21074	0.31671	0.049234478	Intragenic	NM_001105957	Rgl1
13	75007643	75007745	1	-0.278627	5	2.50E-06	7.60E-06	0.15948	0.4381	2.52E-05	Intragenic	NM_001105957	Rgl1
13	75146188	75146210	0.015	-0.164297	5	6.30E-08	4.60E-08	0.039189	0.20349	1.18E-06	TSS	NM_001105957:N M_001025717	Rgl1:Arpc5
13	75179124	75179186	1	-0.243742	5	7.00E-05	0.00014	0.27156	0.5153	0.000386221	Intergenic	NA	NA
13	75370545	75370643	1	-0.19854	5	0.021	0.039	0.21752	0.41606	0.041207871	Intragenic	NM_001048042	Nmnat2
13	75580060	75580422	1	-0.066367	13	0.013	0.14	0.19605	0.26242	0.028097302	Intragenic	NM_001100640	Lamc2
13	75582366	75582436	1	-0.214025	5	8.10E-06	1.60E-05	0.15563	0.36966	6.58E-05	Intragenic	NM_001100640	Lamc2
13	75595826	75596320	1	-0.09803	13	0.00047	0.0059	0.19022	0.28825	0.001875163	Intergenic	NA	NA
13	75657954	75658161	0.0035	-0.300208	12	8.10E-13	1.10E-08	0.24872	0.54893	6.28E-11	Intragenic	NM_053966	Lamc1
13	75818025	75818081	1	-0.147338	5	0.00054	0.0054	0.16188	0.30922	0.002077867	TSS	NM_001105961	Shcbp1l
13	76038903	76038980	1	-0.051163	9	0.011	0.025	0.70828	0.75945	0.02463877	Intergenic	NA	NA
13	76039818	76039924	1	-0.056128	5	0.021	0.18	0.072092	0.12822	0.041207871	Intergenic	NA	NA
13	76086944	76087025	1	-0.216183	6	2.00E-05	6.10E-06	0.097774	0.31396	0.000138285	Intragenic	NM_019344	Rgs8

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	76299663	76299726	1	-0.155545	5	0.013	0.088	0.29167	0.44721	0.028097302	Intragenic	NM_017073	Glul
13	76381607	76381748	1	-0.10146	5	0.0087	0.038	0.21607	0.31753	0.020391633	Intergenic	NA	NA
13	77306322	77306394	1	-0.070411	7	0.0013	0.012	0.13204	0.20245	0.004277683	TSS	NM_019294	Cacna1e
13	77815077	77815145	1	-0.214818	5	2.20E-06	7.10E-05	0.10345	0.31827	2.27E-05	Intergenic	NA	NA
13	79618699	79618804	1	-0.244481	5	0.0008	0.015	0.23402	0.4785	0.002866309	Intergenic	NA	NA
13	83866728	83866859	1	-0.294257	5	0.0019	0.0053	0.22966	0.52392	0.005855937	Intergenic	NA	NA
13	83868936	83869059	1	-0.109711	10	6.70E-06	0.00051	0.1139	0.22361	5.65E-05	Intergenic	NA	NA
13	83878376	83878421	1	-0.21425	5	0.0019	0.015	0.37087	0.58512	0.005855937	Intergenic	NA	NA
13	85044893	85045098	1	-0.161382	5	0.0019	0.0054	0.56547	0.72685	0.005855937	Intragenic	NM_138538	Dnm3
13	85507423	85507479	0.037	-0.322593	5	1.30E-07	1.10E-07	0.10623	0.42882	2.11E-06	TSS	NR_111961	Prrc2c
13	85632527	85632639	1	-0.137731	5	0.01	0.0091	0.18382	0.32155	0.02275947	Intragenic	NM_012792	Fmo1
13	87565320	87565384	1	-0.314136	5	9.80E-05	0.0018	0.56465	0.87879	0.000512474	Intragenic	NM_138532	Nme7
13	88822996	88823053	1	-0.131204	5	0.0058	0.014	0.27953	0.41073	0.014624129	Intergenic	NA	NA
13	88892023	88892085	1	-0.160664	5	0.0041	0.015	0.58675	0.74742	0.01100507	Intragenic	NM_001205304:NM_170789	Cd247: Cd247
13	91666308	91666441	1	0.081613	7	0.0072	0.013	0.83359	0.75198	0.017539509	Intergenic	NA	NA
13	93116728	93116990	1	-0.095498	5	0.015	0.0032	0.64064	0.73614	0.031584896	Intragenic	NM_001191930	Uap1
13	93162306	93162350	1	0.186775	5	0.0038	0.015	0.41095	0.22417	0.010352437	TSS	NM_017293	Uhmk1
13	93162496	93162578	6.40E-08	-0.129535	15	4.60E-14	2.00E-13	0.067956	0.19749	6.64E-12	TSS	NM_017293	Uhmk1
13	93162579	93162614	1	-0.257046	5	3.90E-05	0.00028	0.27027	0.52731	0.000237659	TSS	NM_017293	Uhmk1
13	93294172	93294338	1	-0.307725	7	2.50E-05	0.00029	0.15338	0.4611	0.000166164	Intragenic	NM_138922	Nos1ap
13	93865919	93865957	1	-0.176136	5	1.90E-05	0.00051	0.4242	0.60034	0.000131674	Intergenic	NA	NA
13	94073825	94073966	1	-0.085661	5	0.0058	0.038	0.34613	0.43179	0.014624129	Intergenic	NA	NA
13	94075078	94075177	1	-0.086329	5	0.00072	0.00098	0.16661	0.25294	0.002634665	Intergenic	NA	NA
13	94156270	94156293	1	-0.122396	5	0.0038	0.015	0.11124	0.23364	0.010352437	Intragenic	NM_001314068:NM_017027	Mpz: Mpz
13	94156512	94156581	1	-0.177526	5	0.0038	0.059	0.18808	0.36561	0.010352437	Intragenic	NM_001314068:NM_017027	Mpz: Mpz
13	94250308	94250547	1	-0.12182	12	2.10E-05	0.0019	0.15459	0.27641	0.000144949	TSS	NM_023959	Adamts4
13	94402636	94402738	1	-0.199747	5	0.00023	0.0032	0.25167	0.45142	0.00102405	TSS	NM_001109077	Arhgap30
13	94501254	94501307	5.00E-05	-0.20732	8	1.00E-11	1.50E-10	0.23065	0.43797	5.72E-10	Intergenic	NA	NA
13	95134698	95134853	1	-0.253069	5	0.00012	0.0018	0.15961	0.41268	0.000603617	Intragenic	NM_001271030:NM_022848	Atp1a4: Atp1a4
13	95228814	95229131	1	-0.067433	12	0.0047	0.062	0.1627	0.23014	0.012418624	Intragenic	NM_053834	Kcnj9
13	95457337	95457441	1	-0.073927	5	0.0041	0.0017	0.013055	0.086982	0.01100507	Intergenic	NA	NA
13	95496447	95496515	1	-0.240776	5	0.0038	0.015	0.32734	0.56811	0.010352437	TSS	NM_001105973	Slamf8
13	96901275	96901420	1	-0.124419	5	0.023	0.13	0.69871	0.82313	0.04441443	Intergenic	NA	NA
13	98892360	98892521	1	-0.171855	8	1.60E-05	0.0017	0.099441	0.2713	0.000115757	Intergenic	NA	NA
13	99495325	99495479	1	-0.256585	5	9.80E-07	7.30E-06	0.068795	0.32538	1.16E-05	Intragenic	NM_177929	Sdccag8

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	100006368	100006460	1	-0.117528	5	0.02	0.0051	0.63103	0.74856	0.039778219	Intergenic	NA	NA
13	100175828	100175895	0.087	-0.237143	5	3.20E-07	2.70E-07	0.073906	0.31105	4.57E-06	Intergenic	NA	NA
13	100422028	100422180	1	-0.216083	5	4.80E-06	0.00014	0.059602	0.27568	4.29E-05	Intergenic	NA	NA
13	100438255	100438329	1	-0.268153	5	1.70E-06	3.40E-05	0.15555	0.42371	1.83E-05	Intergenic	NA	NA
13	100886487	100886573	1	-0.256888	5	0.00072	0.015	0.30263	0.55952	0.002634665	Intragenic	NM_001025669	Brox
13	101371438	101371557	1	-0.173533	5	0.014	0.0092	0.2829	0.45643	0.029850603	Intergenic	NA	NA
13	101632860	101633000	0.11	-0.267669	6	2.90E-08	3.30E-07	0.067989	0.33566	6.39E-07	Intergenic	NA	NA
13	101819497	101819576	1	0.055851	5	0.0011	0.00052	0.96149	0.90564	0.003737263	Intragenic	NM_001109079	Kif26b
13	101990979	101991281	1	-0.169735	7	2.70E-07	8.40E-06	0.12127	0.291	3.98E-06	Intragenic	NM_001109079	Kif26b
13	102039900	102040210	1	-0.149562	5	0.0038	0.015	0.14749	0.29705	0.010352437	Intragenic	NM_001109079	Kif26b
13	102555091	102555266	1	-0.077179	7	0.015	0.039	0.29002	0.3672	0.031584896	Intragenic	NM_001025762	Smyd3
13	102679361	102679485	1	-0.110098	5	0.0032	0.015	0.74899	0.85909	0.008990975	Intragenic	NM_001025762	Smyd3
13	102883682	102883806	1	-0.110098	5	0.0032	0.015	0.74899	0.85909	0.008990975	Intergenic	NA	NA
13	103223657	103223762	1	-0.158063	5	0.012	0.025	0.48583	0.64389	0.026435197	Intergenic	NA	NA
13	103697034	103697138	1	0.078619	7	0.015	0.038	0.28561	0.20699	0.031584896	Intragenic	NM_019312	Itpkb
13	103707732	103707982	1	-0.135792	15	0.0011	0.00044	0.55368	0.68947	0.003737263	Intragenic	NM_019312	Itpkb
13	103849505	103850051	1	-0.105548	5	0.0032	0.024	0.15346	0.25901	0.008990975	Intergenic	NA	NA
13	104040148	104040506	1	-0.125979	5	0.00012	0.0055	0.057343	0.18332	0.000603617	Intergenic	NA	NA
13	104708163	104708369	1	-0.168421	5	0.0094	0.038	0.26007	0.42849	0.021723038	Intragenic	NM_001166578	Cnih3
13	104763583	104763760	1	-0.154084	7	0.0062	0.053	0.26299	0.41707	0.015570617	Intergenic	NA	NA
13	104790186	104790250	1	-0.267091	5	0.0024	0.037	0.3974	0.66449	0.00705499	Intergenic	NA	NA
13	104844285	104844366	1	-0.106679	5	0.016	0.038	0.23667	0.34335	0.033288089	Intergenic	NA	NA
13	105465749	105465965	1	-0.12486	8	0.00037	0.036	0.14864	0.2735	0.001526885	Intergenic	NA	NA
13	105621611	105621680	1	-0.152579	7	0.0012	0.0051	0.53748	0.69006	0.004013471	Intergenic	NA	NA
13	106126674	106126870	1	-0.073233	5	0.019	0.18	0.0845	0.15773	0.038322088	Intragenic	NM_001105982	Susd4
13	106238592	106238640	1	-0.160462	5	0.014	0.088	0.35098	0.51144	0.029850603	Intergenic	NA	NA
13	106558904	106558968	1	-0.240321	5	0.0074	0.085	0.42417	0.66449	0.017853001	Intergenic	NA	NA
13	106561022	106561086	1	-0.27735	5	0.002	0.014	0.38714	0.66449	0.006079939	Intergenic	NA	NA
13	106776008	106776042	1	-0.175216	5	0.0045	0.087	0.33939	0.51461	0.011905878	Intergenic	NA	NA
13	107465364	107465438	1	-0.238629	5	3.50E-05	3.40E-05	0.1004	0.33902	0.000218038	TSS	NM_001100857	RGD1310587
13	107663787	107663837	1	-0.348796	5	1.30E-05	0.00027	0.34233	0.69112	9.66E-05	Intergenic	NA	NA
13	107814306	107814371	1	-0.157079	8	0.012	0.00066	0.29784	0.45492	0.026435197	Intergenic	NA	NA
13	108934833	108934883	1	-0.088184	5	0.002	0.0055	0.1668	0.25498	0.006079939	Intragenic	NM_001105734	Dusp10
13	109539923	109540006	1	-0.168887	5	1.70E-05	0.00052	0.080056	0.24894	0.000120524	Intergenic	NA	NA
13	109731018	109731072	1	-0.238135	5	0.019	0.0017	0.47351	0.71164	0.038322088	Intragenic	NM_031131	Tgfb2
13	109871681	109871773	1	-0.127151	7	0.00048	0.0022	0.40325	0.53041	0.001881331	Intergenic	NA	NA
13	109987241	109987317	1	-0.08147	5	0.013	0.059	0.11635	0.19782	0.028097302	Intergenic	NA	NA
13	110058496	110058563	1	-0.110369	9	0.00052	0.012	0.6488	0.75917	0.002033466	TSS	NM_001108858	Ddx3y
13	110712112	110712133	1	-0.055044	5	0.008	0.087	0.049327	0.10437	0.019059477	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	110769064	110769276	1	-0.117365	8	9.90E-05	0.00041	0.17538	0.29275	0.000516804	TSS	NM_203336	Esrrg
13	110940714	110940869	1	-0.276872	5	5.60E-05	0.00053	0.10353	0.3804	0.000320912	Intragenic	NM_203336	Esrrg
13	110964113	110964231	1	-0.244836	7	4.90E-07	3.90E-06	0.13091	0.37574	6.54E-06	Intragenic	NM_203336	Esrrg
13	111773242	111773661	1	0.061556	8	0.02	0.16	0.5469	0.48534	0.039778219	Intragenic	NM_001302219	Ush2a
13	111990673	111990735	1	0.194533	5	0.0087	0.088	0.80114	0.6066	0.020391633	Intragenic	NM_001302219	Ush2a
13	112164178	112164365	1	-0.20015	13	2.50E-09	1.30E-05	0.12095	0.3211	7.29E-08	Intergenic	NA	NA
13	112822519	112822566	1	-0.29183	5	5.00E-05	0.0017	0.33929	0.63112	0.000291675	Intergenic	NA	NA
13	113036934	113037005	1	-0.163698	7	0.00033	0.0035	0.40105	0.56475	0.001385608	Intragenic	NM_001107201	Prox1
13	113259703	113259806	1	-0.231479	5	3.10E-05	0.00014	0.10828	0.33976	0.000197418	TSS	NM_206851	Smyd2
13	113413602	113413728	1	-0.145795	5	0.014	0.015	0.20729	0.35309	0.029850603	Intragenic	NM_001107200	Ptpn14
13	113438790	113438946	1	-0.251195	5	0.00059	0.024	0.35391	0.60511	0.002242971	Intragenic	NM_001107200	Ptpn14
13	113731616	113731801	1	-0.155461	5	0.00011	0.0018	0.14376	0.29922	0.000565143	Intergenic	NA	NA
13	113807537	113807581	1	-0.248501	5	0.00023	0.0018	0.35605	0.60455	0.00102405	Intergenic	NA	NA
13	113963029	113963162	1	-0.139918	5	0.0011	0.0054	0.094161	0.23408	0.003737263	Intragenic	NM_001105984	Rps6kc1
13	115042100	115042358	1	-0.184257	5	0.0041	0.015	0.19428	0.37854	0.01100507	Intergenic	NA	NA
13	115071854	115071886	1	-0.238759	5	2.20E-06	3.40E-05	0.18321	0.42197	2.27E-05	TSS	NM_053691	Nek2
13	115263997	115264348	1	-0.189933	5	0.0058	0.086	0.3238	0.51374	0.014624129	Intergenic	NA	NA
13	115306385	115306405	1	-0.141638	5	0.00036	0.0032	0.25514	0.39678	0.001486639	Intergenic	NA	NA
13	116117305	116117387	1	-0.126097	5	0.002	0.015	0.20818	0.33428	0.006079939	Intergenic	NA	NA
14	129723	129821	9.30E-08	-0.42997	9	3.40E-13	2.90E-13	0.1643	0.59427	3.00E-11	Intergenic	NA	NA
14	1140169	1140368	0.0041	-0.191849	6	4.70E-09	1.30E-08	0.048777	0.24063	1.26E-07	Intergenic	NA	NA
14	1140417	1140432	1	-0.235463	5	0.00017	0.00027	0.30032	0.53578	0.000806192	Intergenic	NA	NA
14	1468957	1469165	3.60E-13	-0.139654	16	4.40E-14	1.10E-18	0.067587	0.20724	6.64E-12	Intragenic	NM_001037660	Csf2ra
14	1685652	1685725	1	-0.109711	5	0.0032	0.00095	0.60622	0.71593	0.008990975	Intergenic	NA	NA
14	1686257	1686417	1	-0.111971	7	0.00021	5.10E-05	0.59777	0.70974	0.000951214	Intergenic	NA	NA
14	2048008	2048120	1	-0.24766	5	0.00019	0.00027	0.051673	0.29933	0.000879857	TSS	NM_022287	Slc26a1
14	2532091	2532164	1	-0.077448	5	0.023	0.13	0.74177	0.81922	0.04441443	Intergenic	NA	NA
14	3064578	3064637	1.30E-07	-0.16133	10	1.60E-13	4.00E-13	0.023851	0.18518	1.56E-11	Intragenic	NM_012566	Gfi1
14	3064651	3064966	0.21	-0.096174	37	0.00028	6.50E-07	0.013325	0.098133	0.001214715	Intragenic	NM_012566	Gfi1
14	3064993	3065025	1	-0.149797	5	0.0014	0.0018	0.0097223	0.15952	0.004540837	Intragenic	NM_012566	Gfi1
14	3065032	3065105	1	-0.140613	5	0.0012	3.40E-05	0.0029018	0.14352	0.004013471	Intragenic	NM_012566	Gfi1
14	3097113	3097218	0.00042	-0.238952	7	3.10E-10	1.30E-09	0.096491	0.33544	1.21E-08	Intergenic	NA	NA
14	3508897	3508931	1	-0.202459	5	0.0035	0.039	0.5517	0.75416	0.009686665	TSS	NM_017256	Tgfbr3
14	3997350	3997413	1	-0.164774	7	0.00023	0.0012	0.6025	0.76728	0.00102405	Intergenic	NA	NA
14	4103065	4103150	1	-0.106234	5	0.0049	0.0091	0.65414	0.76037	0.012753585	Intergenic	NA	NA
14	4258013	4258141	1	-0.12052	5	0.015	0.059	0.10491	0.22543	0.031584896	Intergenic	NA	NA
14	4297358	4297387	1	-0.290404	5	1.50E-06	7.00E-05	0.27303	0.56343	1.65E-05	Intergenic	NA	NA
14	4298241	4298661	1	-0.126944	11	0.013	0.12	0.40706	0.534	0.028097302	Intergenic	NA	NA
14	4655963	4656101	1	-0.229012	5	0.0049	0.015	0.238	0.46701	0.012753585	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	4814067	4814116	1	-0.138483	5	0.015	0.13	0.31271	0.45119	0.031584896	Intergenic	NA	NA
14	5042401	5042477	1	-0.13673	5	1.10E-06	7.60E-06	0.03409	0.17082	1.27E-05	Intergenic	NA	NA
14	5147299	5147427	1	-0.192634	5	8.80E-05	1.60E-05	0.092556	0.28519	0.000466886	Intergenic	NA	NA
14	5193606	5193834	1	-0.154028	7	1.80E-05	0.00017	0.15151	0.30554	0.000127015	Intergenic	NA	NA
14	5554391	5554513	1	-0.226212	6	0.003	0.00054	0.19573	0.42194	0.008555055	Intergenic	NA	NA
14	5626110	5626232	1	-0.226212	6	0.003	0.00054	0.19573	0.42194	0.008555055	Intragenic	NM_001037205:N M_001014133	Abcg3l4:Abcg 3l2
14	5739138	5739260	1	-0.217713	6	0.005	0.00095	0.20772	0.42544	0.012977322	Intragenic	NM_001037205:N M_001014133	Abcg3l4:Abcg 3l2
14	6802227	6802309	1	-0.22886	5	0.0013	0.0017	0.10147	0.33033	0.004277683	TSS	NM_012587	Ibsp
14	6985038	6985147	1	-0.101995	5	0.00088	0.0054	0.049985	0.15198	0.003092094	TSS	NM_012946	Sparcl1
14	7099149	7099277	1	-0.145206	5	0.00059	0.0031	0.19036	0.33556	0.002242971	Intergenic	NA	NA
14	7232739	7232940	1	-0.162883	5	0.008	0.015	0.14275	0.30564	0.019059477	Intragenic	NM_001107206	Aff1
14	7258325	7258462	1	-0.160397	5	0.0074	0.015	0.1839	0.3443	0.017853001	Intragenic	NM_001107206	Aff1
14	7281879	7281903	0.0022	-0.310192	5	6.30E-08	6.70E-09	0.033456	0.34365	1.18E-06	Intragenic	NM_001107206	Aff1
14	7288196	7288326	1	-0.160996	5	0.00011	7.40E-06	0.071291	0.23229	0.000565143	Intragenic	NM_001107206	Aff1
14	7738447	7738568	1	-0.189725	5	0.01	0.0054	0.25587	0.44559	0.02275947	Intragenic	NM_001100789	Ptpn13
14	7787927	7787982	1	-0.268062	5	0.00021	0.0017	0.32552	0.59358	0.000951214	Intragenic	NM_001100789	Ptpn13
14	7831675	7831756	1	-0.13645	5	0.0013	0.015	0.59595	0.7324	0.004277683	Intragenic	NM_001100789	Ptpn13
14	8190177	8190311	1	-0.168394	5	0.0014	0.00096	0.12123	0.28962	0.004540837	Intragenic	NM_001270556:N M_001318190:N M_012806	Mapk10:Map k10:Mapk10
14	8291842	8291945	1	-0.12058	5	0.0012	0.015	0.82484	0.94542	0.004013471	Intragenic	NM_001270556:N M_001318190:N M_012806	Mapk10:Map k10:Mapk10
14	8392167	8392366	1	-0.233644	10	7.70E-06	0.00072	0.23194	0.46558	6.32E-05	Intragenic	NM_001012032	Arhgap24
14	8834209	8834522	0.1	-0.158577	17	2.50E-09	3.20E-07	0.27972	0.4383	7.29E-08	Intergenic	NA	NA
14	9010221	9010241	1	-0.186696	5	0.0049	0.0051	0.075637	0.26233	0.012753585	Intergenic	NA	NA
14	9052418	9052589	1	-0.224606	8	1.10E-05	5.30E-05	0.13387	0.35848	8.53E-05	Intergenic	NA	NA
14	9119426	9119532	1	-0.222081	5	9.80E-05	0.00027	0.13259	0.35467	0.000512474	Intergenic	NA	NA
14	9339021	9339111	1	-0.157209	5	0.00019	0.00051	0.32039	0.4776	0.000879857	Intragenic	NM_001170551	Wdfy3
14	9350011	9350093	1	-0.322056	6	6.90E-05	0.0027	0.40434	0.7264	0.000385124	Intergenic	NA	NA
14	9837844	9837955	1	-0.17227	7	0.00018	0.002	0.40675	0.57902	0.000849258	Intergenic	NA	NA
14	10466621	10466668	1	-0.238417	5	5.60E-07	7.40E-06	0.46793	0.70635	7.29E-06	Intergenic	NA	NA
14	10571384	10571451	1	-0.08586	11	3.80E-08	0.00019	0.14124	0.2271	8.07E-07	Intergenic	NA	NA
14	10838916	10839056	1	-0.210972	9	1.10E-07	3.30E-06	0.26878	0.47975	1.86E-06	Intragenic	NM_033021	Sec31a
14	10926047	10926150	1	-0.169976	5	0.00012	0.0055	0.10219	0.27217	0.000603617	Intergenic	NA	NA
14	10926240	10926295	1	-0.155414	5	0.0008	0.00095	0.39845	0.55387	0.002866309	Intergenic	NA	NA
14	10937362	10937541	1	-0.155584	5	0.0027	0.088	0.30269	0.45827	0.007840962	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	11071324	11071464	1	-0.219565	5	0.00015	0.0018	0.30949	0.52905	0.000724207	Intragenic	NM_001108354	Tmem150c
14	11108420	11108604	1	-0.171546	10	0.00022	0.004	0.59727	0.76882	0.000994261	Intragenic	NM_001108354	Tmem150c
14	11249270	11249315	1	-0.129262	5	0.011	0.015	0.43111	0.56037	0.02463877	Intergenic	NA	NA
14	11768064	11768172	1	-0.260462	5	0.00054	0.0017	0.10232	0.36278	0.002077867	Intergenic	NA	NA
14	13218915	13219008	1	-0.055296	9	0.00011	0.0041	0.069085	0.12438	0.000565143	Intergenic	NA	NA
14	14335153	14335363	1	-0.198753	7	0.00012	0.0035	0.21615	0.41491	0.000603617	Intragenic	NM_012823	Anxa3
14	14938147	14938251	1	-0.169221	5	0.017	0.015	0.27585	0.44507	0.034796287	Intragenic	NM_001105997	Mrpl1
14	15376658	15376771	1	-0.148713	5	0.00021	7.00E-05	0.1047	0.25341	0.000951214	Intergenic	NA	NA
14	15629871	15629908	1	-0.282006	5	3.10E-05	0.00028	0.36748	0.64948	0.000197418	Intergenic	NA	NA
14	15634315	15634352	1	-0.282006	5	3.10E-05	0.00028	0.36748	0.64948	0.000197418	Intergenic	NA	NA
14	16342757	16342964	1	-0.205482	5	0.0058	0.088	0.22723	0.43271	0.014624129	Intragenic	NM_001107208	11-Sep
14	16418530	16418753	1	-0.101459	8	0.0023	0.0084	0.085875	0.18733	0.00686004	Intergenic	NA	NA
14	16419075	16419733	1	-0.22607	12	1.90E-08	5.60E-05	0.20008	0.42615	4.37E-07	Intergenic	NA	NA
14	16592996	16593103	1	-0.303309	5	2.40E-05	0.00014	0.38945	0.69276	0.000160049	Intragenic	NM_001100889	Shroom3
14	16788553	16788647	1	-0.156123	5	0.011	0.039	0.25146	0.40758	0.02463877	Intragenic	NM_001100889	Shroom3
14	17086619	17086717	1	-0.197552	5	0.00011	0.0055	0.15088	0.34844	0.000565143	Intragenic	NM_001012034	Art3
14	17618692	17618834	1	-0.204622	7	4.10E-07	3.00E-05	0.48506	0.68968	5.71E-06	Intergenic	NA	NA
14	17665752	17665896	1	-0.103694	5	0.0094	0.088	0.20671	0.3104	0.021723038	Intergenic	NA	NA
14	17684940	17685048	1	-0.137687	5	0.0014	0.0054	0.35584	0.49352	0.004540837	Intergenic	NA	NA
14	18758867	18759022	1	-0.124096	7	0.019	0.078	0.19291	0.317	0.038322088	TSS	NM_001007729	Pf4
14	18965526	18965672	1	-0.17381	8	0.00016	0.0016	0.28941	0.46322	0.000769396	Intergenic	NA	NA
14	20563314	20563342	1	-0.285407	5	2.20E-05	0.00098	0.28716	0.57256	0.000149617	Intragenic	NM_053424	Slc4a4
14	20753500	20753612	1	-0.128717	5	0.0014	0.00025	0.6534	0.78211	0.004540837	Intergenic	NA	NA
14	22151619	22151729	1	-0.164446	5	0.014	0.015	0.42924	0.59369	0.029850603	Intragenic	NM_022228	Ugt2a1
14	28444164	28444350	1	-0.182776	8	0.0011	0.013	0.30867	0.49145	0.003737263	Intragenic	NM_130822	Adgrl3
14	32347544	32347575	1	-0.225443	5	7.00E-05	3.40E-05	0.21919	0.44463	0.000386221	Intergenic	NA	NA
14	32446961	32447102	1	-0.147424	5	0.008	0.015	0.19389	0.34131	0.019059477	Intergenic	NA	NA
14	32845484	32845518	1	-0.177345	5	1.70E-06	3.40E-05	0.053831	0.23118	1.83E-05	Intragenic	NM_001013048	Igfbp7
14	32993252	32993426	1	-0.069723	9	0.025	0.0087	0.6813	0.75103	0.047453009	Intergenic	NA	NA
14	33221320	33221356	1	-0.13603	5	0.00011	0.00097	0.25782	0.39385	0.000565143	TSS	NM_001017498	Thegl
14	33453229	33453326	1	-0.141327	10	5.50E-05	0.0013	0.23851	0.37984	0.000319601	Intergenic	NA	NA
14	33463282	33463369	1	-0.131324	5	0.00014	0.00053	0.14145	0.27278	0.000684451	Intergenic	NA	NA
14	35536476	35536527	1	-0.097675	5	0.0094	0.025	0.13345	0.23112	0.021723038	Intragenic	NM_001105736	Chic2
14	35897240	35897366	1	-0.103127	5	0.0049	0.0054	0.13206	0.23519	0.012753585	Intragenic	NM_001108358	Lnx1
14	36487085	36487224	1	-0.097907	7	0.014	0.039	0.25511	0.35302	0.029850603	Intergenic	NA	NA
14	37251151	37251321	1	-0.061118	5	0.00054	0.0055	0.031457	0.092575	0.002077867	TSS	NM_001271181	Ociad2
14	37528951	37529055	1	-0.195536	6	0.003	0.027	0.57956	0.7751	0.008555055	Intergenic	NA	NA
14	38174785	38174843	1	-0.201139	5	0.0013	0.015	0.20489	0.40603	0.004277683	Intragenic	NM_182473	Corin
14	42085781	42085937	1	-0.213185	5	0.0017	0.0053	0.18053	0.39372	0.005339493	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	42131809	42131945	1	-0.153121	5	0.021	0.13	0.18173	0.33485	0.041207871	Intergenic	NA	NA
14	42389192	42389228	1	-0.075541	5	0.0045	0.039	0.16171	0.23725	0.011905878	Intergenic	NA	NA
14	43666127	43666339	1	-0.087835	6	0.021	0.16	0.097467	0.1853	0.041207871	Intergenic	NA	NA
14	44333524	44333686	1	-0.147721	5	0.017	0.18	0.26845	0.41617	0.034796287	Intragenic	NM_001012037	Lias
14	44428014	44428093	1	-0.190579	5	5.60E-07	1.60E-05	0.20669	0.39726	7.29E-06	Intergenic	NA	NA
14	44746325	44746531	1	-0.155213	8	0.0023	0.037	0.35434	0.50955	0.00686004	Intergenic	NA	NA
14	44977811	44978205	1	-0.182017	11	2.60E-07	1.20E-05	0.09882	0.28084	3.84E-06	Intergenic	NA	NA
14	45604202	45604227	1	-0.077315	5	0.025	0.088	0.22395	0.30126	0.047453009	Intergenic	NA	NA
14	46694292	46694322	0.39	0.080996	7	2.50E-08	1.20E-06	0.22005	0.13905	5.59E-07	Intergenic	NA	NA
14	46694381	46694411	1	0.134974	5	0.0029	0.038	0.2926	0.15762	0.008293503	Intergenic	NA	NA
14	46699319	46699340	1	0.083009	5	0.00097	0.0054	0.23352	0.15051	0.003366009	Intergenic	NA	NA
14	46699348	46699367	1	0.118396	5	0.00029	0.0018	0.21327	0.094872	0.001239307	Intergenic	NA	NA
14	46699995	46700025	1	0.079713	7	2.80E-08	4.60E-06	0.21878	0.13907	6.20E-07	Intergenic	NA	NA
14	46700084	46700114	1	0.134922	5	0.0029	0.038	0.29254	0.15762	0.008293503	Intergenic	NA	NA
14	46701498	46701519	1	0.201884	5	0.0032	0.0093	0.4496	0.24771	0.008990975	Intergenic	NA	NA
14	46702370	46703011	1	-0.051048	32	8.50E-09	2.80E-05	0.11014	0.15716	2.17E-07	Intergenic	NA	NA
14	46742259	46742435	1	-0.091587	10	7.20E-07	6.40E-05	0.085933	0.17752	9.10E-06	Intergenic	NA	NA
14	46743685	46743742	1	-0.139321	5	0.01	0.059	0.3366	0.47592	0.02275947	Intergenic	NA	NA
14	46743754	46743870	1	-0.230002	5	4.40E-05	0.00053	0.23447	0.46447	0.000263321	Intergenic	NA	NA
14	46757421	46757463	1	-0.125263	5	0.013	0.059	0.16646	0.29172	0.028097302	Intergenic	NA	NA
14	46765654	46765702	1	0.109099	10	1.60E-07	3.80E-05	0.22664	0.11754	2.51E-06	Intergenic	NA	NA
14	46767554	46767575	1	0.202171	5	0.0032	0.0093	0.44988	0.24771	0.008990975	Intergenic	NA	NA
14	46767596	46767644	1	0.101275	5	0.01	0.015	0.24523	0.14396	0.02275947	Intergenic	NA	NA
14	46808715	46808880	1	-0.096125	9	8.10E-07	2.90E-05	0.089244	0.18537	1.00E-05	Intergenic	NA	NA
14	46809808	46809973	1	-0.092706	9	1.60E-06	4.80E-05	0.09305	0.18576	1.75E-05	Intergenic	NA	NA
14	46813262	46813382	0.35	-0.059538	10	1.60E-05	1.10E-06	0.095765	0.1553	0.000115757	TSS	NM_001025002	LOC310926
14	46815534	46815606	1	-0.055086	5	0.0019	0.0018	0.086475	0.14156	0.005855937	TSS	NM_001025002	LOC310926
14	46816428	46819480	1	-0.050178	345	9.30E-07	0.00036	0.11389	0.13681	1.12E-05	TSS	NM_001025002:NR_046239	LOC310926:Rn45s
14	46821920	46822115	1	-0.054206	21	0.00088	0.0012	0.098338	0.14284	0.003092094	TSS	NR_046239:NR_046238	Rn45s:Rn5-8s
14	46823416	46823446	1	0.11868	5	5.60E-05	0.00052	0.25169	0.13301	0.000320912	TSS	NR_046238	Rn5-8s
14	46825564	46825579	1	-0.277318	5	0.0012	0.00053	0.20284	0.48016	0.004013471	TSS	NR_046238:NR_046246	Rn5-8s:Rn28s
14	46825726	46825747	1	0.077042	5	0.012	0.088	0.22914	0.15209	0.026435197	TSS	NR_046238:NR_046246	Rn5-8s:Rn28s
14	46826890	46826929	1	0.142654	5	4.40E-05	0.00014	0.18478	0.042122	0.000263321	TSS	NR_046246	Rn28s
14	46827270	46827293	1	0.073412	5	0.00039	0.0031	0.19313	0.11972	0.001587612	TSS	NR_046246	Rn28s
14	46827680	46827701	1	0.099042	5	0.00065	0.0055	0.22343	0.12439	0.002426546	TSS	NR_046246	Rn28s

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	46829231	46829252	1	0.074826	5	0.0035	0.015	0.22164	0.14682	0.009686665	TSS	NR_046246:NM_147136	Rn28s:LOC257642
14	46829260	46830083	1	0.129581	77	9.80E-05	0.00098	0.13553	0.14145	0.000512474	TSS	NR_046246:NM_147136	Rn28s:LOC257642
14	46830090	46830111	1	0.074414	5	0.0035	0.0091	0.22264	0.14822	0.009686665	TSS	NM_147136	LOC257642
14	46830119	46830138	1	0.11992	5	0.00015	0.00098	0.19468	0.074757	0.000724207	TSS	NM_147136	LOC257642
14	46832139	46832162	1	0.087311	5	0.00015	0.0054	0.21237	0.12506	0.000724207	Intragenic	NM_001025002:NR_046239	LOC310926:Rn45s
14	46832806	46832836	0.39	0.081002	7	2.50E-08	1.20E-06	0.22005	0.13904	5.59E-07	Intragenic	NM_001025002:NR_046239	LOC310926:Rn45s
14	46832895	46832925	1	0.135654	5	0.0032	0.038	0.29258	0.15693	0.008990975	Intragenic	NM_001025002:NR_046239	LOC310926:Rn45s
14	46834164	46834273	1	0.081332	15	0.021	0.096	0.32569	0.24435	0.041207871	Intragenic	NM_001025002:NR_046239	LOC310926:Rn45s
14	46834309	46834775	1	0.164571	64	0.00013	0.00067	0.15208	0.1597	0.000648758	Intragenic	NM_001025002:NR_046239	LOC310926:Rn45s
14	46854406	46854596	1	-0.184153	11	8.50E-07	1.90E-05	0.29767	0.48183	1.03E-05	Intragenic	NM_001025002	LOC310926
14	46856097	46856821	0.037	-0.056363	70	1.90E-08	1.10E-07	0.093633	0.11632	4.37E-07	Intragenic	NM_001025002	LOC310926
14	46857342	46857358	1	0.102119	5	0.00088	0.038	0.22836	0.12625	0.003092094	Intragenic	NM_001025002	LOC310926
14	46857408	46857431	1	-0.115987	5	0.0032	0.00098	0.20802	0.32401	0.008990975	Intragenic	NM_001025002	LOC310926
14	46858536	46858558	1	-0.051583	5	0.00029	0.00014	0.10988	0.16146	0.001239307	Intragenic	NM_001025002	LOC310926
14	46858712	46858770	1	-0.073708	14	0.00013	0.00031	0.08757	0.15406	0.000648758	Intragenic	NM_001025002	LOC310926
14	46860651	46860846	1	-0.054211	21	0.00088	0.0012	0.098338	0.14284	0.003092094	TSS	NR_046238	Rn5-8s
14	46861704	46861810	1	-0.064993	17	0.0083	0.11	0.16909	0.2118	0.019719474	TSS	NR_046238	Rn5-8s
14	47395018	47395132	0.15	-0.235274	8	1.80E-09	4.50E-07	0.2877	0.52297	5.50E-08	Intergenic	NA	NA
14	47849953	47850240	1.30E-06	-0.083504	33	4.60E-14	4.00E-12	0.036875	0.12038	6.64E-12	Intergenic	NA	NA
14	47850245	47850267	1	-0.184508	5	7.00E-05	0.0018	0.047609	0.23212	0.000386221	Intergenic	NA	NA
14	48003072	48003111	0.0022	-0.317854	7	4.80E-10	6.90E-09	0.38861	0.70646	1.75E-08	Intergenic	NA	NA
14	48476703	48476742	0.0022	-0.317854	7	4.80E-10	6.90E-09	0.38861	0.70646	1.75E-08	Intergenic	NA	NA
14	50906174	50906223	1	0.080498	5	0.011	0.0087	0.93502	0.85453	0.02463877	Intergenic	NA	NA
14	53952992	53953096	1	0.155838	5	0.015	0.25	0.91211	0.75627	0.031584896	Intergenic	NA	NA
14	55064142	55064287	1	-0.084071	8	0.00053	0.0055	0.7011	0.78517	0.002069204	Intragenic	NM_001004087	Pcdh7
14	55832835	55832869	0.015	-0.45585	5	1.30E-07	4.50E-08	0.38189	0.83774	2.11E-06	Intergenic	NA	NA
14	60102125	60102479	1	-0.152165	5	0.019	0.086	0.52339	0.67556	0.038322088	Intergenic	NA	NA
14	60102482	60102513	9.80E-06	-0.305868	8	7.50E-12	3.00E-11	0.47408	0.77995	4.48E-10	Intergenic	NA	NA
14	64580182	64580286	1	-0.133695	5	0.0022	0.015	0.17223	0.30593	0.006578104	Intergenic	NA	NA
14	64799743	64800067	1	-0.200354	5	0.00054	0.00052	0.14189	0.34224	0.002077867	Intergenic	NA	NA
14	70371492	70371915	1	-0.119112	9	0.00012	0.012	0.15515	0.27427	0.000603617	Intergenic	NA	NA
14	75701826	75701924	1	-0.102119	5	0.019	0.038	0.47103	0.57315	0.038322088	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	76817999	76818074	1	-0.186262	5	1.50E-05	0.00053	0.062573	0.24883	0.000109113	Intergenic	NA	NA
14	77644208	77644380	1	-0.092438	5	0.0074	0.088	0.16442	0.25686	0.017853001	Intergenic	NA	NA
14	78313680	78313966	1	-0.149985	8	0.017	0.032	0.32901	0.479	0.034796287	Intergenic	NA	NA
14	78421377	78421516	1	-0.133549	6	0.01	0.0071	0.21082	0.34437	0.02275947	Intragenic	NM_001033894	Jakmip1
14	79242405	79242645	1	-0.117829	10	5.50E-05	0.012	0.12345	0.24128	0.000319601	Intragenic	NM_001107225	Sorcs2
14	79326681	79326815	1	-0.173027	5	0.00017	0.00097	0.1212	0.29423	0.000806192	Intragenic	NM_001107225	Sorcs2
14	80141735	80141888	1	-0.178559	5	2.40E-05	0.00053	0.10433	0.28288	0.000160049	Intergenic	NA	NA
14	80385778	80385809	9.80E-06	-0.307394	8	6.90E-12	3.00E-11	0.47168	0.77907	4.25E-10	Intergenic	NA	NA
14	80495198	80495370	1	-0.159351	10	1.20E-06	0.0009	0.17997	0.33933	1.37E-05	Intragenic	NM_001100655	Nacad
14	80498320	80499226	1	-0.108879	18	0.00047	0.016	0.2145	0.32338	0.001875163	Intragenic	NM_001100655	Nacad
14	81634834	81634931	1	-0.144215	5	0.0049	0.038	0.63764	0.78185	0.012753585	Intragenic	NM_001130062	Dok7
14	81658639	81658721	1	-0.124701	5	0.013	0.015	0.64366	0.76836	0.028097302	Intragenic	NM_053320	Hgfac
14	81898529	81898712	1	-0.108298	6	0.012	0.0066	0.19695	0.30525	0.026435197	Intragenic	NM_024357	Htt
14	82968713	82968931	1	-0.239386	11	1.70E-08	1.30E-05	0.19909	0.43847	4.01E-07	Intragenic	NM_053429	Fgfr3
14	83222124	83222186	1	-0.108243	5	0.019	0.0055	0.42342	0.53166	0.038322088	Intergenic	NA	NA
14	84319052	84319176	1	-0.199553	5	0.0019	0.0055	0.38848	0.58803	0.005855937	Intragenic	NM_024135	Limk2
14	84452533	84452795	1	-0.230644	12	1.10E-08	6.60E-06	0.27575	0.5064	2.70E-07	Intragenic	NM_001013049	Smtn
14	84572823	84572873	1	-0.131287	5	0.00017	0.0018	0.10077	0.23206	0.000806192	TSS	NR_130147	Tug1
14	84848164	84848337	1	-0.261477	5	0.00012	0.0053	0.25312	0.51459	0.000603617	Intragenic	NM_153316	Slc35e4
14	84915301	84915331	1	-0.052245	7	2.20E-05	1.30E-05	0.032516	0.084761	0.000149617	TSS	NM_001109447	Gal3st1
14	84928451	84928497	1	-0.157985	5	0.0019	0.025	0.188	0.34599	0.005855937	Intragenic	NM_001109447	Gal3st1
14	84928521	84928584	1	-0.113297	5	0.011	0.038	0.22079	0.33408	0.02463877	Intragenic	NM_001109447	Gal3st1
14	84928833	84928899	1	-0.071546	5	7.00E-05	0.00098	0.075454	0.147	0.000386221	Intragenic	NM_001109447	Gal3st1
14	84928949	84928980	0.49	-0.108797	5	6.50E-07	1.50E-06	0.0676	0.1764	8.28E-06	Intragenic	NM_001109447	Gal3st1
14	85206054	85206169	1	-0.173764	5	1.50E-05	0.00014	0.11623	0.29	0.000109113	Intergenic	NA	NA
14	85362532	85362618	1	-0.116046	5	3.10E-05	0.00051	0.075586	0.19163	0.000197418	Intergenic	NA	NA
14	85374205	85374295	1	-0.144356	5	0.00059	0.0018	0.14081	0.28517	0.002242971	Intergenic	NA	NA
14	85844478	85844576	1	-0.185727	5	0.01	0.0054	0.20717	0.3929	0.02275947	Intragenic	NM_001012153	Thoc5
14	85992060	85992148	1	0.079018	9	0.00073	0.00033	0.19063	0.11161	0.002670444	Intragenic	NM_001108365	Gas2l1
14	86072562	86072708	1.10E-05	-0.222026	9	1.00E-11	3.30E-11	0.12031	0.34233	5.72E-10	TSS	NM_001109467	Emid1
14	86183028	86183246	1	-0.110941	12	0.005	0.023	0.26565	0.37659	0.012977322	Intergenic	NA	NA
14	86391902	86392131	1	-0.216515	7	2.70E-05	5.40E-05	0.39019	0.6067	0.000178372	Intergenic	NA	NA
14	86843741	86843828	1	-0.14299	5	0.021	0.13	0.34978	0.49277	0.041207871	Intragenic	NM_001270849:N M_012565:NM_0 01270850	Gck:Gck:Gck
14	87434299	87434522	1	-0.262355	8	6.80E-07	5.30E-05	0.13227	0.39462	8.62E-06	Intragenic	NM_001002025:N M_001017461	Npc1l1:Ogdh
14	87492969	87493032	1	-0.099753	5	0.02	0.059	0.10037	0.20012	0.039778219	Intragenic	NM_001002025	Npc1l1
14	87939205	87939287	1	-0.07294	5	0.0008	0.009	0.78762	0.86056	0.002866309	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	88581672	88581786	1	-0.119044	5	0.008	0.015	0.2764	0.39544	0.019059477	Intragenic	NM_001170459	Tns3
14	88704570	88705117	0.11	-0.134763	11	1.20E-09	3.50E-07	0.068042	0.20281	3.88E-08	Intergenic	NA	NA
14	88844652	88844804	1	-0.12286	5	0.0049	0.058	0.21057	0.33343	0.012753585	Intergenic	NA	NA
14	89089172	89089224	1	-0.134592	5	0.025	0.0031	0.2638	0.39839	0.047453009	Intergenic	NA	NA
14	89519099	89519181	1	-0.072296	5	0.00088	0.0091	0.78774	0.86004	0.003092094	Intragenic	NM_001106020	Abca13
14	89744240	89744341	1	-0.068046	5	0.0045	0.015	0.59901	0.66705	0.011905878	Intergenic	NA	NA
14	91332342	91332502	1	-0.092174	7	0.00048	9.10E-05	0.61789	0.71006	0.001881331	Intragenic	NM_001025139	Zpbp
14	91609566	91609673	1	-0.216113	5	0.0053	0.015	0.33877	0.55488	0.013591571	Intragenic	NM_001107237	lkzf1
14	91913715	91913746	1	-0.169982	5	0.0029	0.0091	0.17509	0.34507	0.008293503	TSS	NM_001109093	Grb10
14	91913750	91913777	0.09	-0.21585	5	9.90E-08	2.80E-07	0.081323	0.29717	1.72E-06	TSS	NM_001109093	Grb10
14	91913782	91913807	0.21	-0.211926	5	1.10E-07	6.50E-07	0.084251	0.29618	1.86E-06	TSS	NM_001109093	Grb10
14	91913809	91913901	1	-0.228597	5	5.60E-07	7.50E-06	0.072732	0.30133	7.29E-06	TSS	NM_001109093	Grb10
14	91913909	91914153	1.90E-10	-0.14974	30	4.60E-14	6.00E-16	0.21668	0.36642	6.64E-12	TSS	NM_001109093	Grb10
14	91914243	91914283	1	-0.245659	5	0.0068	0.015	0.27239	0.51804	0.016642688	TSS	NM_001109093	Grb10
14	91914414	91914437	1	-0.153123	5	9.80E-07	3.50E-05	0.32371	0.47684	1.16E-05	TSS	NM_001109093	Grb10
14	91914909	91914983	0.076	-0.251669	8	4.30E-10	2.40E-07	0.24487	0.49654	1.60E-08	TSS	NM_001109093	Grb10
14	92490531	92490712	1	-0.10168	5	0.016	0.025	0.74888	0.85056	0.033288089	Intergenic	NA	NA
14	92716972	92717142	1	-0.11399	5	0.00039	0.0005	0.69729	0.81128	0.001587612	Intergenic	NA	NA
14	101692024	101692118	1	-0.054882	5	0.025	0.18	0.81171	0.86659	0.047453009	Intergenic	NA	NA
14	102047479	102047533	0.00022	-0.187223	12	6.50E-14	6.70E-10	0.24906	0.43628	7.58E-12	TSS	NM_001109094	Etaa1
14	102047536	102047573	1	-0.066023	5	0.021	0.18	0.23263	0.29866	0.041207871	TSS	NM_001109094	Etaa1
14	102052756	102052810	0.00022	-0.187533	12	6.50E-14	6.70E-10	0.24875	0.43628	7.58E-12	Intergenic	NA	NA
14	102052813	102052850	1	-0.066023	5	0.021	0.18	0.23263	0.29866	0.041207871	Intergenic	NA	NA
14	103053467	103053514	1	-0.157057	5	9.80E-05	0.0054	0.46655	0.62361	0.000512474	Intragenic	NM_001134702	Meis1
14	103053718	103053780	1	-0.140947	5	0.0087	0.024	0.30773	0.44868	0.020391633	Intragenic	NM_001134702	Meis1
14	103054470	103054568	1	-0.086188	7	0.022	0.1	0.28244	0.36863	0.043064669	Intragenic	NM_001134702	Meis1
14	103184660	103184780	1	-0.176714	5	0.0029	0.0054	0.20539	0.3821	0.008293503	Intergenic	NA	NA
14	103784960	103785040	1	-0.159805	6	0.0042	0.00095	0.77132	0.93113	0.011250869	Intergenic	NA	NA
14	103811474	103811692	1	-0.162744	5	0.00059	0.0055	0.10205	0.26479	0.002242971	Intergenic	NA	NA
14	103915256	103915358	1	-0.273451	5	0.00065	0.0052	0.29317	0.56662	0.002426546	Intergenic	NA	NA
14	103943525	103943696	1	-0.090793	11	4.60E-08	3.10E-05	0.055644	0.14644	9.56E-07	Intragenic	NM_001047094	Spred2
14	104297488	104297601	1	-0.220149	5	0.0024	0.015	0.40801	0.62816	0.00705499	Intergenic	NA	NA
14	104458659	104458803	1	-0.092422	6	2.60E-06	2.50E-05	0.013695	0.10612	2.60E-05	Intergenic	NA	NA
14	104782545	104782767	0.0047	-0.226129	7	1.90E-08	1.50E-08	0.045678	0.27181	4.37E-07	TSS	NM_001134730	Lgalsl
14	105598314	105598390	1	-0.120547	5	0.0058	0.088	0.11448	0.23502	0.014624129	Intergenic	NA	NA
14	106042497	106042768	1	-0.132316	13	0.00021	0.0035	0.13815	0.27047	0.000951214	Intergenic	NA	NA
14	106837867	106838019	1	-0.174351	7	0.00074	0.0049	0.71303	0.88738	0.002702912	Intergenic	NA	NA
14	107624690	107624775	1	-0.264962	5	2.50E-06	0.00014	0.11873	0.38369	2.52E-05	Intergenic	NA	NA
14	107760811	107760902	1	-0.206237	5	0.00032	0.0031	0.12025	0.32649	0.001346443	Intragenic	NM_001115022	Commd1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	107824236	107824479	1	0.087305	14	0.00093	9.70E-05	0.41873	0.33142	0.003255406	TSS	NM_001017504	Zrsr1
14	107827112	107827233	0.0011	-0.299813	8	2.10E-11	3.30E-09	0.15913	0.45894	1.07E-09	TSS	NM_001017504	Zrsr1
14	107977587	107977761	0.13	-0.222941	14	2.70E-11	4.10E-07	0.23858	0.46152	1.36E-09	Intergenic	NA	NA
14	108145412	108145629	1	-0.158057	12	3.20E-06	5.90E-05	0.13945	0.2975	3.11E-05	Intergenic	NA	NA
14	108333191	108333685	1	-0.236367	9	1.00E-06	0.00012	0.11854	0.35491	1.18E-05	Intergenic	NA	NA
14	108759784	108759975	1	-0.096683	5	0.0014	0.0031	0.083325	0.18001	0.004540837	Intergenic	NA	NA
14	108867196	108867248	1	-0.186862	5	0.0024	0.024	0.2652	0.45207	0.00705499	Intergenic	NA	NA
14	109798465	109798535	1	-0.213412	5	2.80E-05	3.40E-05	0.24539	0.4588	0.000182174	Intergenic	NA	NA
14	109918089	109918262	1	-0.088433	7	0.0083	0.055	0.66345	0.75188	0.019719474	Intergenic	NA	NA
14	111213225	111213359	1	-0.116244	6	0.026	0.16	0.5948	0.71105	0.049234478	Intergenic	NA	NA
14	111521500	111521563	1	-0.103898	5	0.0013	0.0055	0.70868	0.81258	0.004277683	Intergenic	NA	NA
14	113712694	113712869	1	-0.112737	9	0.0027	0.023	0.65468	0.76742	0.007840962	Intergenic	NA	NA
14	114362563	114362661	1	-0.062866	5	0.0074	0.058	0.045099	0.10796	0.017853001	Intergenic	NA	NA
14	114818850	114818966	1	-0.090235	5	1.70E-05	7.00E-05	0.046145	0.13638	0.000120524	Intergenic	NA	NA
15	52722	52939	1	-0.196038	17	2.00E-09	9.80E-06	0.27836	0.4744	6.02E-08	Intergenic	NA	NA
15	188118	188233	1	-0.159511	7	0.00065	0.018	0.2389	0.39841	0.002426546	Intergenic	NA	NA
15	2351095	2351185	1	-0.117404	5	0.0058	0.038	0.14353	0.26093	0.014624129	Intergenic	NA	NA
15	2353532	2353677	1	-0.212149	5	0.00097	0.0032	0.10235	0.3145	0.003366009	Intergenic	NA	NA
15	2354363	2354556	1	-0.167541	8	3.10E-07	8.90E-05	0.11202	0.27956	4.47E-06	Intergenic	NA	NA
15	2359126	2359205	1	-0.105275	5	1.00E-05	3.40E-05	0.093886	0.19916	7.82E-05	Intragenic	NM_001107250	Zfp503
15	2359294	2359700	1.20E-05	-0.179593	26	4.10E-14	3.60E-11	0.11204	0.29163	6.64E-12	Intragenic	NM_001107250	Zfp503
15	2361533	2362488	0.014	-0.112306	30	6.20E-12	4.20E-08	0.10452	0.21683	3.92E-10	Intergenic	NA	NA
15	2362508	2362611	1	-0.231704	5	1.30E-05	6.90E-05	0.093549	0.32525	9.66E-05	Intergenic	NA	NA
15	2380828	2380876	1	-0.096109	5	0.013	0.015	0.26071	0.35682	0.028097302	Intergenic	NA	NA
15	2501966	2502034	1	-0.131835	5	0.00039	0.00014	0.62464	0.75648	0.001587612	Intergenic	NA	NA
15	2594344	2594415	1	-0.139817	5	0.00014	0.00028	0.61636	0.75618	0.000684451	Intergenic	NA	NA
15	2776572	2776940	1	-0.053913	8	0.012	0.083	0.10322	0.15713	0.026435197	Intragenic	NM_001108368	Dupd1
15	2851161	2851474	1	-0.179447	9	0.0019	0.012	0.35309	0.53254	0.005855937	Intergenic	NA	NA
15	2962714	2962930	1	-0.081165	5	0.025	0.18	0.12689	0.20806	0.047453009	Intergenic	NA	NA
15	3655338	3655587	1	-0.111218	15	0.00014	0.00013	0.56386	0.67508	0.000684451	Intergenic	NA	NA
15	3657750	3657796	1	-0.058477	6	0.0088	0.018	0.14503	0.20351	0.020605924	Intergenic	NA	NA
15	3719640	3719858	1	-0.111354	7	0.017	0.024	0.54487	0.65622	0.034796287	Intragenic	NM_133605	Camk2g
15	3723984	3724045	1	-0.155532	5	8.80E-05	0.0032	0.11854	0.27407	0.000466886	Intragenic	NM_133605	Camk2g
15	8610206	8610324	1	-0.188018	6	1.20E-05	0.00017	0.24579	0.43381	9.15E-05	Intergenic	NA	NA
15	8653510	8653678	1	-0.116286	5	0.014	0.088	0.20408	0.32037	0.029850603	TSS	NM_001039516	Kcnk5
15	8668422	8668537	1	-0.243967	5	5.50E-06	0.00014	0.15635	0.40031	4.78E-05	Intragenic	NM_001039516	Kcnk5
15	8688545	8688658	1	-0.275779	5	9.20E-06	0.0005	0.26105	0.53683	7.32E-05	Intragenic	NM_001039516	Kcnk5
15	8902498	8902564	1	-0.095315	5	0.0058	0.039	0.40359	0.49891	0.014624129	Intragenic	NM_031754:NM_001257349	Gng2:Gng2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	8936500	8936630	1	-0.146263	5	0.0063	0.087	0.20436	0.35063	0.015629046	Intragenic	NM_031754:NM_001257349	Gng2:Gng2
15	9215319	9215475	1	-0.100521	31	6.00E-08	5.40E-06	0.32191	0.42243	1.18E-06	Intergenic	NA	NA
15	9329952	9330109	0.17	-0.118322	15	1.40E-08	5.30E-07	0.37438	0.4927	3.31E-07	Intergenic	NA	NA
15	9393053	9393281	0.49	-0.233555	14	1.90E-10	1.50E-06	0.32617	0.55972	7.85E-09	Intragenic	NM_134459	Cd99l2
15	9795504	9795732	0.02	-0.224825	17	1.40E-10	6.10E-08	0.37427	0.59909	6.05E-09	Intragenic	NM_134459	Cd99l2
15	11915472	11915554	1	-0.195842	5	8.80E-05	0.00027	0.1401	0.33595	0.000466886	Intragenic	NM_001108371	Ube2e2
15	12015645	12015704	1	-0.189826	5	3.10E-05	7.00E-05	0.088564	0.27839	0.000197418	Intergenic	NA	NA
15	12168755	12168857	1	-0.154734	5	0.025	0.18	0.24425	0.39899	0.047453009	Intergenic	NA	NA
15	12637099	12637422	1	-0.09567	12	0.023	0.05	0.58476	0.68043	0.04441443	Intergenic	NA	NA
15	12672900	12672993	1	-0.152718	5	0.017	0.039	0.24525	0.39797	0.034796287	Intergenic	NA	NA
15	12807865	12807999	1	-0.212606	5	0.0041	0.0054	0.3015	0.51411	0.01100507	Intragenic	NM_147210	Nr1d2
15	13481016	13481113	1	0.10067	5	0.0063	0.0031	0.54251	0.44185	0.015629046	Intergenic	NA	NA
15	13487352	13487464	1	-0.166722	7	0.0026	0.027	0.40024	0.56696	0.007616821	Intergenic	NA	NA
15	14136267	14136392	1	-0.20136	5	3.10E-05	3.40E-05	0.14293	0.34429	0.000197418	Intergenic	NA	NA
15	14188616	14188748	1	-0.222412	9	9.60E-07	4.10E-05	0.24573	0.46814	1.15E-05	Intragenic	NM_031529	Rarb
15	17056954	17057012	1	-0.151659	7	0.0015	0.027	0.20618	0.35784	0.004849475	Intragenic	NM_134356	Ptprg
15	17296581	17296653	1	-0.19583	5	8.80E-05	7.10E-05	0.2777	0.47353	0.000466886	Intragenic	NM_134356	Ptprg
15	21734316	21734517	1	-0.148373	6	0.025	0.081	0.55586	0.70423	0.047453009	Intragenic	NM_001014137	LOC361016
15	22393179	22393380	1	-0.127764	6	0.0036	0.017	0.053569	0.18133	0.009945103	Intergenic	NA	NA
15	22818060	22818246	0.14	-0.23107	8	5.60E-09	4.40E-07	0.06013	0.2912	1.47E-07	Intragenic	NM_001107288	Flnb
15	23314910	23315027	1	-0.162252	7	0.02	0.14	0.41058	0.57283	0.039778219	Intragenic	NM_031088	Ptger2
15	23394604	23394656	1	-0.115943	7	0.0013	4.70E-06	0.30322	0.41917	0.004277683	Intergenic	NA	NA
15	23568782	23568833	1	-0.061324	5	0.0041	0.015	0.12612	0.18744	0.01100507	TSS	NM_001013994	Rcor2
15	23752349	23752407	1	-0.253032	5	0.00014	0.0054	0.2007	0.45373	0.000684451	Intergenic	NA	NA
15	23758065	23758124	1	-0.110498	5	0.0022	0.0018	0.12001	0.23051	0.006578104	Intergenic	NA	NA
15	24362707	24362814	1	-0.24345	5	0.0011	0.015	0.26303	0.50648	0.003737263	Intergenic	NA	NA
15	24933687	24933878	1	-0.107845	10	0.02	0.092	0.40016	0.50801	0.039778219	Intergenic	NA	NA
15	25684383	25684444	1	-0.100649	5	0.0012	0.0031	0.81363	0.91428	0.004013471	Intergenic	NA	NA
15	25885141	25885235	1	-0.23632	7	9.20E-08	5.20E-05	0.32568	0.562	1.63E-06	Intergenic	NA	NA
15	27582743	27583176	1	-0.136855	9	0.015	0.062	0.34621	0.48306	0.031584896	Intragenic	NM_053899	Cgrrf1
15	27941600	27941705	1	-0.216622	5	0.00088	0.00098	0.14965	0.36627	0.003092094	Intergenic	NA	NA
15	28019036	28019126	1	-0.080108	10	8.80E-10	3.10E-06	0.070286	0.15039	2.98E-08	TSS	NM_001108373	Mapk1ip1l
15	28136541	28136646	1	-0.076509	8	0.022	0.037	0.35195	0.42846	0.043064669	Intragenic	NM_001135802	Dlgap5
15	28186746	28186810	1	-0.144745	5	1.30E-05	0.00014	0.15088	0.29562	9.66E-05	Intergenic	NA	NA
15	28233278	28233382	1	-0.15102	7	0.0029	0.027	0.12953	0.28055	0.008293503	Intragenic	NM_001107257	Fbxo34
15	28363998	28364105	1	-0.155612	5	0.0041	0.015	0.42191	0.57752	0.01100507	Intergenic	NA	NA
15	28907532	28907851	1	-0.086807	7	0.00062	0.0013	0.099582	0.18639	0.002348106	Intragenic	NM_001107259	Peli2
15	29399028	29399100	1	-0.235987	7	1.60E-05	0.00083	0.31241	0.5484	0.000115757	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	31662637	31662721	1	-0.22432	5	0.00065	0.015	0.3324	0.55672	0.002426546	Intergenic	NA	NA
15	31976387	31976476	1	-0.200684	5	0.00026	0.0052	0.1864	0.38708	0.001130807	Intergenic	NA	NA
15	32034166	32034307	1	-0.201145	5	0.0038	0.0092	0.20275	0.40389	0.010352437	TSS	NM_001012232	Rnase17
15	32046888	32047029	1	-0.202187	5	0.0035	0.0054	0.20251	0.40469	0.009686665	TSS	NM_138902	Ear11
15	32053198	32053339	1	-0.202187	5	0.0035	0.0054	0.20251	0.40469	0.009686665	TSS	NM_138902	Ear11
15	32194103	32194544	1	-0.107802	14	9.00E-05	0.0012	0.1246	0.2324	0.000476445	Intragenic	NM_001271313	Arhgef40
15	32216462	32216500	1	-0.168064	5	0.00044	0.0017	0.28104	0.44911	0.001760146	TSS	NM_001007681	Zfp219
15	32287430	32287502	1	-0.281182	5	0.00019	0.0093	0.33257	0.61375	0.000879857	Intergenic	NA	NA
15	34359901	34360039	0.053	-0.270349	9	3.00E-11	1.70E-07	0.2459	0.51624	1.48E-09	Intergenic	NA	NA
15	34831488	34831647	1	-0.120761	6	0.00016	0.0067	0.66438	0.78514	0.000769396	Intergenic	NA	NA
15	36639434	36639501	1	-0.203149	5	0.0008	0.0092	0.56417	0.76732	0.002866309	Intergenic	NA	NA
15	36662239	36662365	1	0.082833	5	0.0068	0.024	0.6364	0.55357	0.016642688	Intergenic	NA	NA
15	36867530	36867770	1	-0.139017	5	0.0087	0.038	0.19789	0.33691	0.020391633	Intergenic	NA	NA
15	36867777	36867827	1	-0.091857	5	0.017	0.038	0.84981	0.94167	0.034796287	Intergenic	NA	NA
15	36892492	36892597	1	-0.173284	5	0.00065	0.0031	0.09235	0.26563	0.002426546	Intragenic	NM_001168583	Oxa1l
15	36905932	36906077	1	-0.198978	5	1.70E-05	0.00014	0.23098	0.42996	0.000120524	Intragenic	NM_031341	Slc7a7
15	36912420	36912517	1	-0.209123	5	0.00021	0.0032	0.1293	0.33842	0.000951214	Intragenic	NM_031341	Slc7a7
15	36938147	36938372	1	-0.056705	7	0.0048	0.078	0.05597	0.11268	0.012663359	TSS	NM_031341	Slc7a7
15	37163419	37163641	1	-0.155539	12	0.00062	0.01	0.53408	0.68962	0.002348106	Intergenic	NA	NA
15	37241269	37241303	1	-0.164241	7	0.002	0.037	0.48231	0.64655	0.006079939	TSS	NM_017095	Cebpe
15	37462366	37462410	1	-0.155915	5	0.016	0.18	0.26811	0.42403	0.033288089	TSS	NM_177421	Slc22a17
15	37515613	37515695	1	-0.143318	5	0.0013	0.0093	0.15855	0.30187	0.004277683	TSS	NM_017239	Myh6
15	37657621	37657839	1	-0.172184	5	0.0058	0.038	0.349	0.52118	0.014624129	Intragenic	NM_001003711	Jph4
15	37660511	37660599	1	0.050748	11	0.00029	9.80E-05	0.89753	0.84678	0.001239307	TSS	NM_001003711	Jph4
15	37987012	37987088	1	-0.109206	5	0.008	0.059	0.58818	0.69739	0.019059477	Intergenic	NA	NA
15	38030804	38030876	1	-0.104726	5	0.0058	0.025	0.16094	0.26567	0.014624129	Intergenic	NA	NA
15	38078046	38078203	1	-0.156344	6	0.00033	0.0027	0.1648	0.32114	0.001385608	TSS	NM_001191113	Cpne6
15	38161617	38161677	1	-0.050848	5	0.0027	0.0093	0.035918	0.086766	0.007840962	TSS	NM_017257:NM_001108868	Psme2:Rnf31
15	38352746	38352899	1	-0.150527	8	1.70E-05	0.00041	0.68844	0.83897	0.000120524	Intragenic	NM_019285	Adcy4
15	39936289	39936417	1	-0.180739	5	0.00065	0.0093	0.18385	0.36459	0.002426546	Intergenic	NA	NA
15	41349232	41349301	1	-0.0798	8	1.30E-05	4.30E-06	0.76083	0.84063	9.66E-05	Intergenic	NA	NA
15	41520471	41520599	1	-0.180739	5	0.00065	0.0093	0.18385	0.36459	0.002426546	Intergenic	NA	NA
15	41652416	41652451	1	-0.117023	9	1.20E-05	0.0041	0.77333	0.89035	9.15E-05	Intergenic	NA	NA
15	41652470	41652553	1	-0.109105	5	0.0063	0.015	0.38701	0.49612	0.015629046	Intergenic	NA	NA
15	42582279	42582644	1	-0.156328	7	0.0032	0.011	0.16591	0.32224	0.008990975	Intergenic	NA	NA
15	43931670	43931785	1	-0.199109	5	2.40E-05	0.00053	0.31041	0.50952	0.000160049	Intergenic	NA	NA
15	44379951	44380316	1	-0.152981	7	0.0034	0.011	0.1657	0.31868	0.009519525	Intragenic	NM_001107268	Mtmr6
15	44700416	44700562	1	-0.099672	5	0.0029	0.025	0.079833	0.17951	0.008293503	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	44859429	44859644	1	-0.106936	5	0.016	0.015	0.23725	0.34419	0.033288089	Intragenic	NM_001191686	Spata13
15	45495648	45495740	0.034	-0.055517	10	2.40E-10	1.00E-07	0.018207	0.073724	9.71E-09	TSS	NM_001108381	Ebpl
15	45495812	45495875	1	-0.121814	5	4.80E-06	0.00014	0.063974	0.18579	4.29E-05	TSS	NM_001108381	Ebpl
15	45822675	45822767	0.15	-0.099421	8	3.20E-08	4.60E-07	0.036864	0.13628	6.98E-07	Intergenic	NA	NA
15	46737217	46737258	1	-0.063129	5	0.00039	0.0018	0.0083646	0.071493	0.001587612	TSS	NM_017029	Nefm
15	46756992	46757110	1	-0.261708	12	1.90E-06	0.00013	0.26188	0.52359	2.01E-05	Intergenic	NA	NA
15	47566481	47566559	1	-0.204406	5	1.70E-05	0.00051	0.13732	0.34172	0.000120524	Intragenic	NM_001108383	Ebf2
15	49665106	49665367	0.0063	-0.189372	12	1.60E-10	2.00E-08	0.080216	0.26959	6.77E-09	Intragenic	NM_001271488	Ints6
15	50040866	50040958	1	-0.300634	5	5.60E-05	0.0031	0.13016	0.43079	0.000320912	Intergenic	NA	NA
15	50146897	50147037	1	-0.079678	7	3.30E-06	9.40E-05	0.07099	0.15067	3.16E-05	TSS	NM_001107270	Neil2
15	50147097	50147134	1	-0.066672	5	0.025	0.18	0.15792	0.2246	0.047453009	TSS	NM_001107270	Neil2
15	50147622	50147973	1	-0.301389	5	0.00059	0.0055	0.20166	0.50305	0.002242971	TSS	NM_001107270	Neil2
15	51051957	51052063	1	-0.071413	5	0.025	0.088	0.10638	0.17779	0.047453009	TSS	NM_001106045	Sox7
15	51546774	51546910	0.076	-0.278509	7	1.30E-07	2.30E-07	0.14424	0.42275	2.11E-06	Intragenic	NM_053307	Msra
15	52550869	52551007	1	-0.078727	5	0.00059	0.0055	0.068489	0.14722	0.002242971	Intragenic	NM_013007	Pnoc
15	54941417	54941591	1	-0.159991	5	1.20E-05	7.10E-05	0.069639	0.22963	9.15E-05	Intergenic	NA	NA
15	55143018	55143106	1	-0.190662	8	0.00027	0.00063	0.42382	0.61448	0.001172178	Intergenic	NA	NA
15	55392832	55392949	1	-0.161409	5	0.017	0.088	0.29257	0.45398	0.034796287	Intergenic	NA	NA
15	55484842	55484950	0.017	-0.099163	12	6.60E-11	5.20E-08	0.062379	0.16154	3.06E-09	Intragenic	NM_017086	Egr3
15	55485047	55485091	1	-0.051372	5	0.0024	0.039	0.16908	0.22045	0.00705499	Intragenic	NM_017086	Egr3
15	60726897	60726997	1	-0.358266	7	5.30E-08	7.60E-06	0.46293	0.8212	1.08E-06	Intergenic	NA	NA
15	61577082	61577318	1	-0.225389	7	1.00E-06	1.50E-05	0.10089	0.32628	1.18E-05	Intergenic	NA	NA
15	61598803	61598866	0.23	-0.214887	8	2.60E-06	7.20E-07	0.17033	0.38522	2.60E-05	TSS	NM_053867	Tpt1
15	61936359	61936437	1	-0.123995	5	0.0024	0.0055	0.1233	0.2473	0.00705499	Intergenic	NA	NA
15	62021004	62021363	1	-0.171188	8	1.50E-06	0.00042	0.13892	0.31011	1.65E-05	Intergenic	NA	NA
15	62524555	62524722	1	-0.23717	5	0.014	0.058	0.30487	0.54204	0.029850603	Intergenic	NA	NA
15	63407086	63407290	1	0.102665	11	0.012	0.056	0.66837	0.56571	0.026435197	Intergenic	NA	NA
15	63763663	63763754	1	-0.233426	5	2.50E-06	0.00014	0.31753	0.55095	2.52E-05	TSS	NM_001044257	Epsti1
15	64520807	64520876	1	-0.137078	5	0.02	0.038	0.59604	0.73312	0.039778219	Intergenic	NA	NA
15	64633301	64633479	1	-0.140139	8	7.80E-07	8.50E-05	0.085084	0.22522	9.69E-06	Intergenic	NA	NA
15	67829734	67829823	0.00024	-0.326164	8	1.90E-11	7.40E-10	0.3283	0.65446	9.88E-10	Intergenic	NA	NA
15	68258948	68259093	1	-0.232192	5	0.0019	0.0053	0.28354	0.51573	0.005855937	Intergenic	NA	NA
15	73137503	73137631	1	-0.183059	5	4.80E-06	0.00014	0.043294	0.22635	4.29E-05	Intergenic	NA	NA
15	78470817	78470891	1	-0.361248	5	1.30E-06	3.40E-05	0.33908	0.70033	1.46E-05	Intergenic	NA	NA
15	78973338	78973411	1	-0.114902	5	0.0029	0.038	0.76436	0.87926	0.008293503	Intergenic	NA	NA
15	79042097	79042225	1	-0.15144	5	3.50E-05	0.00028	0.5964	0.74784	0.000218038	Intergenic	NA	NA
15	79489887	79489969	1	-0.115876	7	0.0046	0.026	0.60134	0.71721	0.012157071	Intergenic	NA	NA
15	81877830	81877871	1	0.095699	5	0.0035	0.00096	0.97778	0.88208	0.009686665	Intergenic	NA	NA
15	81903813	81903871	1	0.096425	5	0.0027	0.0055	0.97761	0.88119	0.007840962	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	84665453	84665488	1	-0.062093	5	0.0074	0.009	0.10541	0.1675	0.017853001	Intergenic	NA	NA
15	86027564	86027635	1	-0.142074	5	0.015	0.13	0.26735	0.40943	0.031584896	Intergenic	NA	NA
15	86356630	86356730	1	-0.234077	5	2.20E-06	1.60E-05	0.10153	0.33561	2.27E-05	Intergenic	NA	NA
15	86448098	86448195	1	-0.174983	7	0.015	0.0013	0.52344	0.69842	0.031584896	Intergenic	NA	NA
15	86744422	86744524	1	-0.16093	5	0.0045	0.0054	0.27528	0.43621	0.011905878	Intergenic	NA	NA
15	87230143	87230198	1	-0.117235	5	0.0017	0.0018	0.73788	0.85512	0.005339493	Intragenic	NM_053394	KIF5
15	90887736	90887804	1	-0.205628	5	0.0035	0.038	0.21751	0.42313	0.009686665	Intergenic	NA	NA
15	91142735	91142823	1	-0.200126	5	0.0013	0.0031	0.29057	0.4907	0.004277683	Intergenic	NA	NA
15	91212798	91212907	1	-0.063574	5	0.01	0.059	0.63333	0.6969	0.02275947	Intragenic	NM_001108388	Scel
15	91236992	91237108	1	-0.221464	5	0.0074	0.009	0.18177	0.40324	0.017853001	Intragenic	NM_001108388	Scel
15	92471644	92471750	1	-0.164231	5	0.00054	0.0054	0.32607	0.4903	0.002077867	Intergenic	NA	NA
15	92969754	92969814	1	-0.053822	7	0.016	0.19	0.76266	0.81648	0.033288089	Intergenic	NA	NA
15	93664095	93664217	1	-0.165104	5	0.00023	0.00052	0.38523	0.55033	0.00102405	TSS	NM_001012046	Spry2
15	100705554	100705681	1	0.055375	5	0.012	0.015	0.92143	0.86605	0.026435197	Intergenic	NA	NA
15	102563889	102563950	1	-0.208819	5	0.00026	0.0055	0.6378	0.84662	0.001130807	Intergenic	NA	NA
15	106013966	106014058	1	-0.199179	5	0.0045	0.024	0.37055	0.56973	0.011905878	Intergenic	NA	NA
15	106933810	106933937	1	-0.149366	5	0.00059	0.0018	0.12239	0.27175	0.002242971	Intergenic	NA	NA
15	106969874	106970043	1	-0.113375	6	0.0088	0.084	0.15986	0.27323	0.020605924	Intergenic	NA	NA
15	107214699	107214821	1	-0.152258	8	0.019	0.21	0.54013	0.69239	0.038322088	Intragenic	NM_133411	Abcc4
15	107337201	107337379	1	-0.13106	7	0.024	0.11	0.37444	0.5055	0.046241462	Intragenic	NM_133411	Abcc4
15	107351070	107351153	1	-0.176841	6	0.00072	0.011	0.21819	0.39503	0.002634665	Intragenic	NM_133411	Abcc4
15	107428778	107428879	1	-0.212495	9	3.70E-06	5.80E-06	0.17345	0.38594	3.46E-05	Intergenic	NA	NA
15	107458139	107458224	1	-0.1839	5	9.20E-06	0.00014	0.71604	0.89994	7.32E-05	Intragenic	NM_001106058	Cldn10
15	107565127	107565250	1	-0.06234	7	8.40E-05	0.0051	0.028756	0.091095	0.000451848	Intergenic	NA	NA
15	107591517	107591605	1	-0.193199	5	8.50E-07	3.40E-06	0.055101	0.2483	1.03E-05	Intergenic	NA	NA
15	107591607	107591872	1	-0.076022	26	3.20E-05	0.0019	0.018098	0.053484	0.00020314	Intergenic	NA	NA
15	107871678	107871777	1	-0.053613	5	0.01	0.039	0.028996	0.082609	0.02275947	TSS	NM_001271404	Hs6st3
15	108194885	108194973	1	-0.144606	5	0.00019	0.0031	0.12821	0.27282	0.000879857	Intragenic	NM_001271404	Hs6st3
15	108423344	108423445	1	-0.117062	5	0.0012	0.024	0.68644	0.8035	0.004013471	Intragenic	NM_001271404	Hs6st3
15	109080837	109080913	0.088	-0.225527	5	1.30E-07	2.70E-07	0.075055	0.30058	2.11E-06	Intragenic	NM_001111064	Mbnl2
15	109127907	109128153	1	-0.192291	7	0.00083	0.0034	0.21321	0.4055	0.002961434	Intragenic	NM_001111064	Mbnl2
15	109726442	109726726	1	-0.050554	11	1.00E-05	0.0014	0.046467	0.097021	7.82E-05	Intergenic	NA	NA
15	109902300	109902447	1	-0.18028	7	7.70E-06	3.70E-06	0.12158	0.30186	6.32E-05	Intragenic	NM_001107287	Farp1
15	109951178	109951243	1	-0.121191	5	0.025	0.0032	0.3781	0.49929	0.047453009	Intragenic	NM_001107287	Farp1
15	110168792	110168885	1	-0.183522	5	0.013	0.13	0.32261	0.50613	0.028097302	Intergenic	NA	NA
15	111619219	111619360	1	-0.115433	7	1.20E-06	0.00082	0.059018	0.17445	1.37E-05	Intergenic	NA	NA
15	111851441	111851536	1	-0.222037	5	4.40E-05	0.00052	0.20033	0.42237	0.000263321	Intergenic	NA	NA
15	112027213	112027301	1	-0.145881	5	0.0045	0.0055	0.2511	0.39698	0.011905878	Intragenic	NM_001100685	Clybl
15	113454828	113454951	1	-0.059346	8	0.00091	0.0087	0.069001	0.12835	0.003192838	TSS	NM_153630	Nalcn

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	113816017	113816335	1	-0.110978	10	0.00036	0.00015	0.53467	0.64565	0.001486639	Intragenic	NM_022223	Fgf14
16	280529	280810	0.00085	-0.275593	18	9.60E-14	2.60E-09	0.22898	0.50457	1.04E-11	Intergenic	NA	NA
16	1871950	1871996	1	0.071854	5	0.00026	0.0054	0.14167	0.06982	0.001130807	Intragenic	NM_001108393	Zmiz1
16	1926869	1926962	1	-0.132772	5	0.013	0.088	0.55097	0.68374	0.028097302	Intragenic	NM_001108393	Zmiz1
16	2601050	2601196	1	-0.096243	10	0.013	0.092	0.39244	0.48868	0.028097302	Intergenic	NA	NA
16	2716886	2716982	1	-0.095144	5	0.0045	0.038	0.087815	0.18296	0.011905878	Intergenic	NA	NA
16	3133970	3134155	1	-0.26693	5	0.00011	0.00097	0.31067	0.5776	0.000565143	Intergenic	NA	NA
16	3208793	3208908	1	-0.129146	7	0.017	0.056	0.49398	0.62313	0.034796287	Intergenic	NA	NA
16	4417898	4418085	1	-0.102692	10	0.0065	0.15	0.30829	0.41098	0.016085358	Intragenic	NM_022631	Wnt5a
16	5630801	5631041	1	-0.14485	8	0.00029	0.0017	0.15917	0.30402	0.001239307	Intragenic	NM_175595	Cacna2d3
16	6455258	6455311	1	-0.157671	5	6.20E-05	0.00053	0.15777	0.31544	0.000349462	Intergenic	NA	NA
16	6519809	6519941	1	-0.287573	5	3.70E-06	3.50E-05	0.090294	0.37787	3.46E-05	Intergenic	NA	NA
16	6529880	6530029	1	-0.293926	5	7.00E-05	0.0031	0.19571	0.48964	0.000386221	Intergenic	NA	NA
16	6625379	6625587	1	-0.195301	5	0.00029	0.0091	0.1619	0.3572	0.001239307	Intergenic	NA	NA
16	6626947	6627178	1	-0.223085	5	0.0024	0.0031	0.21777	0.44086	0.00705499	Intergenic	NA	NA
16	7140242	7140360	0.0094	-0.155454	6	2.60E-08	2.90E-08	0.030224	0.18568	5.80E-07	TSS	NM_001009271	Nt5dc2
16	7185015	7185174	0.36	-0.2879	7	2.10E-08	1.10E-06	0.099813	0.38771	4.80E-07	Intergenic	NA	NA
16	7237309	7237599	0.038	-0.194254	12	1.70E-09	1.20E-07	0.12871	0.32297	5.28E-08	Intragenic	NM_001100882	Sema3g
16	7433132	7433256	1	-0.243152	5	0.0017	0.015	0.22262	0.46577	0.005339493	Intragenic	NM_054011	Sh3bp5
16	7433310	7433439	1	-0.163958	5	0.0058	0.18	0.42731	0.59127	0.014624129	Intragenic	NM_054011	Sh3bp5
16	8266912	8266958	5.90E-06	-0.20656	7	1.30E-10	1.80E-11	0.027788	0.23435	5.70E-09	TSS	NM_019352:NM_031339	Timm23:Parg
16	8330182	8330307	1	-0.193858	6	0.00024	0.00055	0.17727	0.37113	0.001064629	Intragenic	NM_031339	Parg
16	8495198	8495496	1	-0.117441	9	0.018	0.041	0.25921	0.37665	0.036742993	Intragenic	NM_001170593	Chat
16	9017461	9017553	0.0057	-0.242398	5	6.30E-08	1.80E-08	0.030075	0.27247	1.18E-06	Intragenic	NM_001170593	Chat
16	9273459	9273655	1	-0.179893	5	0.025	0.037	0.47817	0.65807	0.047453009	Intragenic	NM_001170593:NM_138860	Chat:Opn4
16	9345646	9345749	1	-0.148293	5	0.021	0.088	0.47624	0.62453	0.041207871	Intragenic	NM_001170593	Chat
16	9597431	9597488	1	-0.147814	5	0.0008	0.0031	0.45002	0.59784	0.002866309	Intragenic	NM_001170593:NM_024378	Chat:Grid1
16	10132983	10133106	1	-0.124998	5	0.0014	0.015	0.28749	0.41248	0.004540837	Intragenic	NM_001170593:NM_024378	Chat:Grid1
16	10872197	10872619	1	-0.102753	6	0.013	0.084	0.24786	0.35061	0.028097302	Intergenic	NA	NA
16	11156471	11156671	1	-0.158606	10	6.80E-05	0.0059	0.1261	0.28471	0.000379896	Intergenic	NA	NA
16	11525536	11525614	1	-0.131261	8	0.00016	0.0037	0.36558	0.49684	0.000769396	Intragenic	NM_001107297	Arhgap22
16	12278071	12278194	1	-0.127773	5	0.0011	0.0031	0.28431	0.41208	0.003737263	Intergenic	NA	NA
16	14892202	14892244	1	0.058858	5	0.0049	0.0016	0.88148	0.82262	0.012753585	Intergenic	NA	NA
16	15068505	15068763	1	-0.103834	5	0.0058	0.0091	0.70742	0.81125	0.014624129	Intergenic	NA	NA
16	17565803	17565843	1	-0.069543	5	0.0024	0.0055	0.093143	0.16269	0.00705499	Intragenic	NM_001170349	Sh2d4b

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	18259947	18259997	1	-0.226643	7	4.80E-08	8.80E-06	0.09111	0.31775	9.95E-07	Intergenic	NA	NA
16	18589398	18589472	1	-0.422355	7	2.10E-08	8.80E-06	0.16431	0.58666	4.80E-07	Intergenic	NA	NA
16	19084042	19084247	1	-0.150622	13	0.00017	0.02	0.29816	0.44878	0.000806192	TSS	NM_001007684	Klf2
16	19429973	19430089	1	-0.194603	11	3.20E-05	2.70E-05	0.33698	0.53158	0.00020314	Intergenic	NA	NA
16	19636180	19636440	1	-0.117358	9	2.80E-06	0.00052	0.095419	0.21278	2.79E-05	TSS	NM_139113	Nr2f6
16	19636615	19636920	1	-0.064184	5	0.013	0.18	0.073812	0.138	0.028097302	TSS	NM_139113	Nr2f6
16	19653697	19653753	1	-0.087446	5	0.025	0.015	0.44673	0.53418	0.047453009	TSS	NM_001033687:NM_001006964	Ushbp1:Babam1
16	19727561	19727697	1	-0.244638	8	1.80E-07	3.10E-05	0.20677	0.4514	2.78E-06	Intragenic	NM_001107301	Abhd8
16	19727740	19727775	1	-0.06569	5	0.016	0.088	0.032254	0.097943	0.033288089	Intragenic	NM_001107301	Abhd8
16	19766838	19767017	1	-0.1734	11	1.20E-07	0.00027	0.19425	0.36765	2.01E-06	Intergenic	NA	NA
16	19775664	19776178	0.00064	-0.100502	30	4.50E-14	2.00E-09	0.043037	0.14354	6.64E-12	Intragenic	NM_020086	Plvap
16	19780180	19780227	1	-0.102045	5	0.00015	0.0052	0.15516	0.2572	0.000724207	TSS	NM_020086	Plvap
16	19814423	19814630	1	-0.198503	7	8.40E-05	0.0012	0.24019	0.4387	0.000451848	Intergenic	NA	NA
16	19892841	19892918	1	-0.091101	5	0.0063	0.039	0.070975	0.16208	0.015629046	Intragenic	NM_001100908	Fam129c
16	19951679	19951752	1	-0.162154	5	0.013	0.059	0.3661	0.52825	0.028097302	Intragenic	NM_022861	Unc13a
16	19972785	19973194	0.0024	-0.196681	21	4.50E-14	7.50E-09	0.11667	0.31335	6.64E-12	Intragenic	NM_012855	Jak3
16	19976803	19977243	1	-0.164436	12	3.50E-05	0.00045	0.26807	0.43251	0.000218038	Intragenic	NM_012855	Jak3
16	19977814	19978109	0.043	-0.137286	21	1.70E-10	1.30E-07	0.36865	0.50593	7.17E-09	Intragenic	NM_012855	Jak3
16	19978153	19978209	1	-0.214235	5	0.0032	0.058	0.3123	0.52653	0.008990975	Intragenic	NM_012855	Jak3
16	19978220	19978283	1	-0.343515	5	5.50E-06	0.00014	0.24314	0.58666	4.78E-05	Intragenic	NM_012855	Jak3
16	19978288	19978336	1	-0.187562	6	0.01	0.011	0.18932	0.37689	0.02275947	Intragenic	NM_012855	Jak3
16	19978665	19978774	1	-0.187217	5	2.20E-06	7.60E-06	0.068435	0.25565	2.27E-05	Intragenic	NM_012855	Jak3
16	19996408	19996781	1.70E-09	-0.180157	23	4.60E-14	5.10E-15	0.078015	0.25817	6.64E-12	Intragenic	NM_001106069	Fcho1
16	20192816	20192867	1	-0.078947	5	0.021	0.088	0.060755	0.1397	0.041207871	TSS	NM_019313	Kcnn1
16	20215027	20215163	1	-0.149917	7	0.00065	0.0021	0.21409	0.36401	0.002426546	Intergenic	NA	NA
16	20223763	20223922	1	-0.179438	6	0.0057	0.027	0.28595	0.46539	0.014573809	Intergenic	NA	NA
16	20234380	20234417	1	-0.147507	5	0.00032	0.0092	0.44366	0.59116	0.001346443	Intragenic	NM_001170604	Il12rb1
16	20234422	20234523	1	-0.092251	5	0.023	0.058	0.3564	0.44865	0.04441443	Intragenic	NM_001170604	Il12rb1
16	20253641	20253689	1	-0.143712	5	0.00032	0.0053	0.22305	0.36676	0.001346443	Intergenic	NA	NA
16	20411325	20411364	1	-0.078106	5	0.0024	0.038	0.079922	0.15803	0.00705499	TSS	NM_019216	Gdf15
16	20411426	20411784	1	-0.125589	5	8.80E-05	0.0055	0.10111	0.2267	0.000466886	TSS	NM_019216	Gdf15
16	20414920	20415267	1	-0.137896	13	0.0012	0.035	0.3269	0.46479	0.004013471	Intergenic	NA	NA
16	20443722	20443937	2.20E-08	-0.308904	15	4.20E-14	6.80E-14	0.077181	0.38608	6.64E-12	Intragenic	NM_001014236	Ssbp4
16	20443974	20444021	0.015	-0.193247	5	6.30E-08	4.50E-08	0.10765	0.30089	1.18E-06	Intragenic	NM_001014236	Ssbp4
16	20444030	20444063	1	-0.1274	5	0.0074	0.015	0.16394	0.29134	0.017853001	Intragenic	NM_001014236	Ssbp4
16	20444393	20444686	4.80E-08	-0.186049	40	4.50E-14	1.50E-13	0.12024	0.30629	6.64E-12	Intragenic	NM_001014236	Ssbp4
16	20444689	20444814	1	-0.060337	13	0.011	0.0047	0.41298	0.47332	0.02463877	Intragenic	NM_001014236	Ssbp4
16	20446321	20446486	1	-0.127025	9	2.40E-05	0.00081	0.72743	0.85445	0.000160049	TSS	NM_001013880	lsyna1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	20528721	20528771	1	-0.117462	5	0.012	0.087	0.29852	0.41599	0.026435197	TSS	NM_001107305	RGD1566239
16	20699450	20699525	1	-0.053858	5	0.0022	0.0091	0.054645	0.1085	0.006578104	Intragenic	NM_001044230:N M_001044240	Cers1:Gdf1
16	20746922	20747228	1	-0.097696	16	0.0044	0.031	0.33454	0.43224	0.011763026	Intergenic	NA	NA
16	20949166	20949220	1	-0.20646	6	3.90E-06	0.00017	0.074234	0.28069	3.62E-05	TSS	NM_001127654	Tm6sf2
16	21015046	21015100	1	-0.20646	6	3.90E-06	0.00017	0.074234	0.28069	3.62E-05	TSS	NM_001127654	Tm6sf2
16	21210917	21210937	1	-0.075496	5	0.025	0.25	0.17303	0.24852	0.047453009	Intragenic	NM_001107307	Cilp2
16	21217003	21217243	1	-0.149144	12	2.10E-05	0.0016	0.20292	0.35207	0.000144949	Intergenic	NA	NA
16	21473548	21473606	1	-0.130335	6	0.0015	0.011	0.19712	0.32746	0.004849475	Intergenic	NA	NA
16	23358675	23358843	1	-0.05513	6	0.00072	0.0044	0.042876	0.098006	0.002634665	Intergenic	NA	NA
16	24992808	24992915	1	0.149265	5	0.016	0.0018	0.31343	0.16417	0.033288089	Intragenic	NM_001135838	1-Mar
16	30997522	30997597	0.49	-0.201468	5	4.90E-07	1.50E-06	0.074482	0.27595	6.54E-06	Intergenic	NA	NA
16	31748274	31748392	1	-0.061791	15	0.013	0.063	0.26174	0.32353	0.028097302	Intergenic	NA	NA
16	31948498	31948564	1	-0.156136	5	0.014	0.088	0.24212	0.39825	0.029850603	Intragenic	NM_198764	Sh3rf1
16	32002302	32002475	1	-0.17181	6	4.90E-07	6.40E-06	0.032269	0.20408	6.54E-06	Intragenic	NM_198764	Sh3rf1
16	32011845	32012009	1	-0.14931	5	0.0012	0.0032	0.1911	0.34041	0.004013471	Intragenic	NM_198764	Sh3rf1
16	32026233	32026308	0.49	-0.201468	5	4.90E-07	1.50E-06	0.074482	0.27595	6.54E-06	Intragenic	NM_198764	Sh3rf1
16	32060430	32060550	1	-0.165117	5	0.00036	0.0018	0.052633	0.21775	0.001486639	TSS	NM_198764	Sh3rf1
16	32489738	32489876	1	-0.137839	5	0.00097	0.024	0.029427	0.16727	0.003366009	Intergenic	NA	NA
16	35553917	35553994	1	-0.164659	5	0.015	0.059	0.56534	0.73	0.031584896	Intragenic	NM_001135756	Galnt16
16	35903175	35903327	0.47	-0.215212	6	1.60E-07	1.40E-06	0.010965	0.22618	2.51E-06	Intergenic	NA	NA
16	36671310	36671369	1	-0.099	5	0.0035	0.038	0.13024	0.22924	0.009686665	Intergenic	NA	NA
16	45852270	45852354	1	-0.150988	7	0.0004	0.0082	0.32092	0.47191	0.00162337	Intergenic	NA	NA
16	46654510	46654698	0.002	-0.192768	21	5.70E-12	6.20E-09	0.35846	0.55122	3.66E-10	Intragenic	NM_001169133	Tenm3
16	46661830	46662026	1	-0.194567	7	1.80E-05	0.0013	0.19296	0.38752	0.000127015	Intergenic	NA	NA
16	46732401	46732608	1	-0.129643	12	5.40E-10	3.90E-06	0.077408	0.20705	1.93E-08	Intergenic	NA	NA
16	46771797	46771881	1	-0.150988	7	0.0004	0.0082	0.32092	0.47191	0.00162337	Intergenic	NA	NA
16	47280665	47280744	1	0.161589	5	0.0038	0.0088	0.58365	0.42206	0.010352437	Intergenic	NA	NA
16	47647888	47648156	1	-0.073249	5	0.0074	0.0092	0.093615	0.16686	0.017853001	Intergenic	NA	NA
16	47773239	47773530	1	-0.120604	9	0.0033	0.11	0.20522	0.32582	0.009256793	Intergenic	NA	NA
16	47837556	47837576	1	0.067551	5	0.0074	0.015	0.17984	0.11229	0.017853001	TSS	NM_001134863	Stox2
16	48050217	48050388	1	-0.105712	8	0.00026	0.012	0.67107	0.77678	0.001130807	Intragenic	NM_001107311	Enpp6
16	49773375	49773441	1	-0.168508	5	0.0058	0.0031	0.27993	0.44844	0.014624129	Intergenic	NA	NA
16	49867781	49867811	1	-0.068344	5	0.00065	0.015	0.84532	0.91367	0.002426546	Intergenic	NA	NA
16	50154801	50154992	1	-0.198086	5	0.0022	0.0055	0.098812	0.2969	0.006578104	Intragenic	NM_031819	Fat1
16	51741920	51742001	1	-0.222146	6	1.40E-06	6.40E-06	0.07281	0.29496	1.57E-05	Intergenic	NA	NA
16	53671185	53671293	1	-0.139618	5	0.002	0.015	0.098564	0.23818	0.006079939	TSS	NM_001290133	Frg1
16	54011002	54011063	1	-0.152263	5	0.0019	0.039	0.10589	0.25815	0.005855937	Intergenic	NA	NA
16	59553315	59553410	1	-0.172014	5	0.0022	0.059	0.25848	0.4305	0.006578104	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	59882037	59882192	1	-0.06805	7	0.0029	0.056	0.080196	0.14825	0.008293503	TSS	NM_001107316	Mfhas1
16	60099226	60099291	1	-0.134528	5	0.012	0.059	0.50159	0.63612	0.026435197	Intragenic	NM_138912	Ppp1r3b
16	60155811	60155844	1	-0.107195	5	0.00029	0.0018	0.12881	0.236	0.001239307	Intergenic	NA	NA
16	60662303	60662376	1	-0.340444	5	8.10E-06	0.00027	0.46383	0.80428	6.58E-05	Intragenic	NM_001106084	Tnks
16	60752719	60752774	1	-0.124243	5	0.011	0.13	0.32059	0.44484	0.02463877	Intragenic	NM_022199	Dusp4
16	60938289	60938588	1	-0.093533	5	0.0053	0.088	0.16175	0.25529	0.013591571	Intergenic	NA	NA
16	61448844	61448955	1	-0.124806	5	0.00088	0.015	0.14122	0.26603	0.003092094	Intragenic	NM_001107317	Mboat4
16	61472053	61472160	0.0022	-0.284087	5	6.30E-08	6.80E-09	0.076954	0.36104	1.18E-06	Intragenic	NM_001106085	Dctn6
16	61644468	61644814	1	-0.12013	9	0.0005	0.034	0.14777	0.2679	0.001958442	Intragenic	NM_001271244	Rbpms
16	61725874	61725995	1	-0.200864	5	0.00072	0.0055	0.35488	0.55575	0.002634665	Intragenic	NM_001271244	Rbpms
16	61732025	61732208	1	-0.126158	5	5.00E-05	0.00052	0.092775	0.21893	0.000291675	Intragenic	NM_001271244	Rbpms
16	61737590	61737756	1	-0.176286	5	0.00011	0.0055	0.10978	0.28606	0.000565143	Intragenic	NM_001271244	Rbpms
16	61750056	61750141	0.49	-0.417061	5	1.30E-07	1.50E-06	0.124	0.54106	2.11E-06	Intragenic	NM_001271244	Rbpms
16	62147490	62147573	1	-0.087487	5	0.0058	0.024	0.054585	0.14207	0.014624129	TSS	NM_001191554	Purg
16	64446336	64446580	1	-0.091527	10	6.00E-05	0.00086	0.13274	0.22427	0.000341554	Intergenic	NA	NA
16	64963005	64963170	1	-0.102933	5	0.025	0.015	0.51003	0.61296	0.047453009	Intergenic	NA	NA
16	65302240	65302332	1	-0.116153	5	0.00032	0.0032	0.50985	0.626	0.001346443	Intergenic	NA	NA
16	65914978	65915008	1	-0.296249	5	1.90E-05	6.70E-05	0.51568	0.81193	0.000131674	Intergenic	NA	NA
16	66680706	66680813	5.30E-05	-0.063671	18	1.10E-11	1.60E-10	0.017495	0.081165	6.24E-10	TSS	NM_001107319	Unc5d
16	68769918	68770192	1	-0.132858	13	3.40E-05	0.00055	0.3103	0.44316	0.000214477	Intergenic	NA	NA
16	68912497	68912905	1	-0.154428	22	1.80E-05	0.0016	0.19757	0.29972	0.000127015	Intragenic	NM_001109425	Zfp703
16	68912934	68912997	1	-0.094475	5	9.80E-05	0.00014	0.073278	0.16775	0.000512474	Intragenic	NM_001109425	Zfp703
16	68913090	68913118	1	-0.072541	5	0.00039	0.015	0.1545	0.22704	0.001587612	Intragenic	NM_001109425	Zfp703
16	68913186	68913269	1	-0.168731	8	2.20E-05	0.00015	0.27869	0.44742	0.000149617	Intragenic	NM_001109425	Zfp703
16	68913356	68913435	1	-0.054019	5	0.0053	0.038	0.05489	0.10891	0.013591571	TSS	NM_001109425	Zfp703
16	69339929	69340136	1	-0.169877	7	0.0011	0.0053	0.24106	0.41094	0.003737263	Intergenic	NA	NA
16	70209733	70209908	1	-0.232427	8	7.90E-05	0.001	0.27792	0.51035	0.000427247	Intergenic	NA	NA
16	71071313	71071651	1	-0.128364	10	6.80E-05	0.00038	0.13197	0.26034	0.000379896	Intergenic	NA	NA
16	71086256	71086594	1	-0.138842	10	1.70E-05	0.00016	0.1215	0.26034	0.000120524	Intergenic	NA	NA
16	71242864	71242991	1	-0.144899	5	0.0022	0.0018	0.11827	0.26317	0.006578104	Intergenic	NA	NA
16	71333666	71333775	0.076	-0.26097	8	3.40E-06	2.30E-07	0.1448	0.40577	3.25E-05	Intragenic	NM_001004107	Tacc1
16	71409696	71409751	1	-0.113463	5	0.0038	0.0091	0.091854	0.20532	0.010352437	Intergenic	NA	NA
16	71946684	71946762	1	-0.086285	5	0.0094	0.087	0.76155	0.84783	0.021723038	Intergenic	NA	NA
16	73294694	73294897	1	-0.084723	16	0.007	0.12	0.62691	0.71163	0.01709041	Intergenic	NA	NA
16	73406847	73406999	1	-0.116492	7	0.0092	0.0053	0.51271	0.62921	0.021504843	Intragenic	NM_001107322	Ank1
16	74318345	74318442	1	-0.143919	5	3.70E-06	3.40E-05	0.04132	0.18524	3.46E-05	Intragenic	NM_001108878	Thsd1
16	74318469	74318617	0.0022	-0.293493	7	5.90E-10	6.90E-09	0.029653	0.32315	2.09E-08	Intragenic	NM_001108878	Thsd1
16	74318643	74318812	1	-0.105774	11	0.0029	0.0027	0.21865	0.32443	0.008293503	Intragenic	NM_001108878	Thsd1
16	74319224	74319329	1	-0.142248	5	1.90E-05	0.00053	0.15779	0.30004	0.000131674	Intragenic	NM_001108878	Thsd1

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	74422644	74423216	1	0.231756	18	5.10E-07	0.00036	0.57377	0.34202	6.80E-06	Intergenic	NA	NA
16	75376007	75376219	1	-0.182186	8	5.00E-08	9.10E-06	0.13917	0.32136	1.03E-06	Intergenic	NA	NA
16	75383490	75383551	1	-0.100984	5	0.016	0.038	0.10074	0.20172	0.033288089	Intergenic	NA	NA
16	75512547	75512609	1	-0.096716	5	0.0038	0.0018	0.72405	0.82077	0.010352437	Intergenic	NA	NA
16	75521234	75521291	1	-0.147159	5	0.0068	0.038	0.26951	0.41667	0.016642688	Intergenic	NA	NA
16	77819565	77819630	1	-0.178395	5	0.0032	0.0091	0.4863	0.66469	0.008990975	Intragenic	NM_001037327	Csmd1
16	78024361	78024409	1	0.075399	5	0.0058	0.015	0.8882	0.8128	0.014624129	Intragenic	NM_001037327	Csmd1
16	79275104	79275194	1	-0.116908	5	0.0049	0.025	0.10606	0.22297	0.012753585	Intragenic	NM_001107326	Kbtbd11
16	79275319	79275386	1	-0.094479	5	0.00072	0.015	0.060469	0.15495	0.002634665	Intragenic	NM_001107326	Kbtbd11
16	79937066	79937219	1	-0.125935	7	0.00024	0.0053	0.14757	0.2735	0.001064629	Intragenic	NM_053901	Dlgap2
16	80002560	80002707	1	-0.132422	8	0.0048	0.019	0.45686	0.58928	0.012663359	Intragenic	NM_053901	Dlgap2
16	80287279	80287425	1	-0.204571	5	0.023	0.088	0.40307	0.60764	0.04441443	Intergenic	NA	NA
16	80309542	80309807	1	-0.06998	8	0.018	0.13	0.31342	0.3834	0.036742993	Intragenic	NM_001100791	Tdrp
16	80322809	80323010	1	-0.164849	8	0.0031	0.0078	0.53531	0.70016	0.008829746	Intergenic	NA	NA
16	80458603	80458749	1	-0.204571	5	0.023	0.088	0.40307	0.60764	0.04441443	Intergenic	NA	NA
16	80731146	80731279	1	-0.090593	9	0.00031	0.012	0.071937	0.16253	0.001320549	TSS	NM_057100	Gas6
16	80914688	80914811	1	-0.274038	7	1.30E-07	4.30E-06	0.061471	0.33551	2.11E-06	Intragenic	NM_031574	Rasa3
16	81105039	81105082	1	-0.093949	5	0.017	0.18	0.71551	0.80946	0.034796287	TSS	NM_001013054	Adprh1
16	81108342	81108521	1	-0.170897	5	0.0017	0.038	0.23586	0.40676	0.005339493	Intragenic	NM_001013054	Adprh1
16	81156821	81156964	1	-0.225704	5	0.012	0.015	0.45373	0.67943	0.026435197	Intragenic	NM_001170477:N M_001031813	Grtp1:Grtp1
16	81283025	81283298	1	-0.128139	9	0.0022	0.046	0.22969	0.35783	0.006578104	TSS	NM_001309433	Proz
16	81419653	81419841	1	-0.182001	8	3.10E-07	5.00E-06	0.50207	0.68407	4.47E-06	Intragenic	NM_053951	Mcf2l
16	81788824	81789082	1	-0.115209	12	0.00019	0.013	0.26555	0.38076	0.000879857	Intergenic	NA	NA
16	82032766	82032889	0.048	-0.18137	7	6.60E-09	1.50E-07	0.068385	0.24976	1.72E-07	Intergenic	NA	NA
16	82100248	82100600	1	-0.10844	7	0.0079	0.078	0.21817	0.32661	0.018998259	Intergenic	NA	NA
16	82129775	82130034	1	-0.073453	10	0.00061	0.016	0.10702	0.18048	0.002317537	Intergenic	NA	NA
16	82169962	82170539	1	-0.129135	11	7.10E-05	0.00012	0.21379	0.34293	0.000391021	Intergenic	NA	NA
16	82177364	82177682	1	-0.116291	9	0.0084	0.046	0.38537	0.50166	0.019933412	Intergenic	NA	NA
16	82340498	82340737	1	-0.082261	10	3.50E-05	0.012	0.085942	0.1682	0.000218038	Intergenic	NA	NA
16	82420709	82420806	1	-0.067694	5	0.02	0.024	0.080665	0.14836	0.039778219	Intergenic	NA	NA
16	82728184	82728308	1	-0.234944	5	0.0013	0.0032	0.19529	0.43023	0.004277683	Intergenic	NA	NA
16	82828843	82828913	1	-0.216468	6	4.70E-06	9.10E-05	0.11014	0.32661	4.26E-05	Intragenic	NM_001109535	Rab20
16	83081484	83081606	1	-0.268221	5	1.90E-05	0.00028	0.13436	0.40258	0.000131674	Intragenic	NM_001135009	Col4a1
16	83123217	83123337	1	-0.237789	6	4.90E-05	0.0003	0.13289	0.37067	0.000290925	Intergenic	NA	NA
16	83242877	83243304	1	-0.06768	5	0.017	0.13	0.072115	0.13979	0.034796287	Intergenic	NA	NA
16	83368446	83368506	1	-0.170089	5	0.0032	0.0031	0.33887	0.50896	0.008990975	Intergenic	NA	NA
16	83953781	83954027	1	-0.172491	10	2.80E-08	6.40E-05	0.10919	0.28168	6.20E-07	Intergenic	NA	NA
16	84544439	84544649	1	-0.159839	6	0.016	0.058	0.37422	0.53406	0.033288089	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	85576325	85576372	1	-0.161675	5	0.00065	0.015	0.2201	0.38178	0.002426546	Intergenic	NA	NA
16	85845894	85846030	1	-0.14493	5	0.01	0.038	0.45941	0.60434	0.02275947	Intergenic	NA	NA
16	86278738	86278919	1	-0.169827	9	2.20E-05	0.0011	0.14903	0.31886	0.000149617	Intergenic	NA	NA
16	89945699	89945768	1	-0.121366	5	0.0032	0.038	0.73579	0.85716	0.008990975	Intergenic	NA	NA
16	90047763	90047819	1	-0.090106	5	0.0022	0.0031	0.21197	0.30208	0.006578104	Intergenic	NA	NA
17	384846	384919	1	-0.103396	5	0.0019	0.024	0.060041	0.16344	0.005855937	TSS	NM_053716	Fbp2
17	411688	411844	1	-0.158636	5	0.0038	0.015	0.18233	0.34097	0.010352437	TSS	NM_012558	Fbp1
17	1058916	1058981	1	-0.206247	6	3.20E-06	0.00031	0.14595	0.3522	3.11E-05	Intragenic	NM_053566	Ptch1
17	1437260	1437642	1	-0.088876	5	0.025	0.039	0.13072	0.2196	0.047453009	Intergenic	NA	NA
17	1437651	1437737	1	-0.243151	5	5.50E-06	0.00028	0.17889	0.42205	4.78E-05	Intergenic	NA	NA
17	1840879	1840950	1	-0.114518	5	6.20E-05	0.00014	0.11836	0.23288	0.000349462	Intergenic	NA	NA
17	2209180	2209238	1	-0.155716	5	0.0053	0.0052	0.24127	0.39699	0.013591571	Intergenic	NA	NA
17	5089589	5089695	1	-0.16549	5	0.0049	0.038	0.23677	0.40226	0.012753585	Intergenic	NA	NA
17	5089698	5089788	1	-0.230759	8	3.40E-08	7.10E-06	0.39064	0.6214	7.35E-07	Intergenic	NA	NA
17	5202643	5202674	1	-0.250851	5	2.40E-05	0.00053	0.23162	0.48247	0.000160049	Intergenic	NA	NA
17	5202677	5202832	1	-0.189746	10	2.90E-09	9.00E-06	0.09015	0.2799	8.18E-08	Intergenic	NA	NA
17	5210732	5210814	1	-0.260063	5	0.00026	0.0093	0.33708	0.59714	0.001130807	Intergenic	NA	NA
17	5263997	5264028	1	-0.250851	5	2.40E-05	0.00053	0.23162	0.48247	0.000160049	Intergenic	NA	NA
17	5264031	5264186	1	-0.189746	10	2.90E-09	9.00E-06	0.09015	0.2799	8.18E-08	Intergenic	NA	NA
17	5272086	5272168	1	-0.260063	5	0.00026	0.0093	0.33708	0.59714	0.001130807	Intergenic	NA	NA
17	5340441	5340472	1	-0.250851	5	2.40E-05	0.00053	0.23162	0.48247	0.000160049	Intergenic	NA	NA
17	5340475	5340630	1	-0.189746	10	2.90E-09	9.00E-06	0.09015	0.2799	8.18E-08	Intergenic	NA	NA
17	5348530	5348612	1	-0.260063	5	0.00026	0.0093	0.33708	0.59714	0.001130807	Intergenic	NA	NA
17	5365570	5365601	1	-0.250851	5	2.40E-05	0.00053	0.23162	0.48247	0.000160049	Intergenic	NA	NA
17	5365604	5365759	1	-0.189746	10	2.90E-09	9.00E-06	0.09015	0.2799	8.18E-08	Intergenic	NA	NA
17	5373656	5373738	1	-0.260063	5	0.00026	0.0093	0.33708	0.59714	0.001130807	Intergenic	NA	NA
17	6614126	6614237	1	-0.200263	5	6.30E-06	0.00053	0.092205	0.29247	5.33E-05	Intragenic	NM_001107335	Dapk1
17	6684759	6684844	1	-0.203972	5	0.011	0.088	0.40148	0.60546	0.02463877	TSS	NM_001107335	Dapk1
17	6770790	6771000	0.012	-0.161972	9	5.90E-10	3.80E-08	0.052024	0.214	2.09E-08	Intergenic	NA	NA
17	6927744	6927880	1	-0.140191	9	0.0029	0.017	0.25388	0.39408	0.008293503	Intergenic	NA	NA
17	7170000	7170129	1	-0.123849	6	0.0069	0.027	0.16434	0.28819	0.01685311	Intergenic	NA	NA
17	7285736	7286034	1	-0.172212	5	0.014	0.0092	0.47099	0.6432	0.029850603	Intergenic	NA	NA
17	7841299	7841324	1	-0.127414	5	0.0045	0.0053	0.67556	0.80298	0.011905878	Intergenic	NA	NA
17	7955132	7955248	1	0.065459	7	0.0087	0.056	0.86172	0.79626	0.020391633	Intergenic	NA	NA
17	8061930	8062052	1	-0.117698	7	0.003	0.018	0.4376	0.5553	0.008555055	Intergenic	NA	NA
17	8247434	8247600	1	-0.15039	5	0.0053	0.0017	0.2978	0.44819	0.013591571	Intragenic	NM_012731	Ntrk2
17	8311624	8311703	1	-0.155078	5	0.0032	0.015	0.42112	0.57619	0.008990975	Intragenic	NM_012731	Ntrk2
17	8654829	8654894	1	-0.149963	5	0.00059	0.0054	0.37869	0.52866	0.002242971	Intergenic	NA	NA
17	9076165	9076422	1	-0.174121	5	0.01	0.038	0.1767	0.35083	0.02275947	Intragenic	NM_053747	Ubqln1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	9098373	9098407	1	-0.25271	5	2.40E-05	0.0018	0.20408	0.45679	0.000160049	Intergenic	NA	NA
17	9368297	9368468	1	-0.174845	6	0.00012	8.80E-05	0.14375	0.31859	0.000603617	Intergenic	NA	NA
17	9454495	9454669	1	-0.272821	5	0.00072	0.0018	0.17142	0.44424	0.002634665	Intergenic	NA	NA
17	9496136	9496194	1	-0.125533	6	0.013	0.056	0.189	0.31454	0.028097302	Intergenic	NA	NA
17	9507028	9507115	1	-0.133411	5	0.0063	0.025	0.26648	0.39989	0.015629046	Intergenic	NA	NA
17	10016098	10016348	1	-0.185745	12	9.60E-09	6.10E-06	0.25213	0.43788	2.42E-07	Intergenic	NA	NA
17	10168910	10168993	1	-0.148322	5	0.0087	0.0093	0.29559	0.44391	0.020391633	Intergenic	NA	NA
17	10176001	10176107	1	-0.10735	5	0.00021	0.0018	0.25834	0.36569	0.000951214	Intergenic	NA	NA
17	10357113	10357223	1	-0.072533	5	0.017	0.087	0.088325	0.16086	0.034796287	Intragenic	NM_001191691	Trpc7
17	10606671	10606860	1	-0.084682	10	0.014	0.03	0.67276	0.75744	0.029850603	TSS	NM_053802	Tgfb1
17	10617890	10617967	1	-0.09286	7	6.40E-05	0.0054	0.10192	0.19478	0.000358884	Intergenic	NA	NA
17	10641605	10641662	1	-0.174764	5	0.00072	0.0091	0.58207	0.75683	0.002634665	Intergenic	NA	NA
17	10652449	10652577	1	-0.179792	9	2.20E-05	0.0041	0.20474	0.38453	0.000149617	Intergenic	NA	NA
17	10680429	10680458	0.0058	-0.314005	5	6.30E-08	1.80E-08	0.10581	0.41982	1.18E-06	Intergenic	NA	NA
17	10717564	10717653	1	-0.203399	5	1.70E-05	3.40E-05	0.09841	0.30181	0.000120524	Intergenic	NA	NA
17	10781340	10781623	1	-0.051716	9	0.0027	0.034	0.069012	0.12073	0.007840962	Intergenic	NA	NA
17	10786318	10786496	1	-0.173487	5	0.00039	0.0018	0.099067	0.27255	0.001587612	Intergenic	NA	NA
17	10854334	10854475	0.038	-0.135959	12	1.10E-09	1.20E-07	0.093488	0.22945	3.60E-08	Intergenic	NA	NA
17	11095756	11095985	1	-0.144527	7	0.00062	0.0083	0.14147	0.286	0.002348106	Intergenic	NA	NA
17	11251242	11251589	0.67	-0.133637	19	1.40E-11	2.10E-06	0.14849	0.28213	7.61E-10	Intragenic	NM_001024998	Txndc15
17	11367486	11367540	1	-0.066208	7	0.023	0.19	0.14358	0.20979	0.04441443	Intragenic	NM_001024998	Txndc15
17	11469431	11469538	1	-0.237196	5	0.002	0.0031	0.27906	0.51625	0.006079939	Intragenic	NM_001024998:N M_017182	Txndc15:H2af y
17	11519546	11519617	1	-0.101053	5	0.014	0.18	0.18131	0.28236	0.029850603	Intragenic	NM_001024998	Txndc15
17	11727062	11727123	1	-0.179188	5	0.0074	0.024	0.29577	0.47496	0.017853001	Intragenic	NM_001170408	Fam193b
17	11752519	11752649	1	-0.150172	10	1.70E-05	0.0025	0.12042	0.27059	0.000120524	Intragenic	NM_001107336	Dok3
17	11868622	11868786	1	-0.125157	6	0.00042	0.0027	0.1229	0.24806	0.001700519	Intragenic	NM_013030	Slc34a1
17	11945981	11946090	1	-0.091226	7	0.00018	0.0014	0.14778	0.23901	0.000849258	TSS	NM_001015023:N M_001009636	Rab24:Prelid1
17	12064496	12064714	1	-0.063223	22	0.0039	0.027	0.15614	0.19244	0.010605635	TSS	NM_001107337	Nsd1
17	12096288	12096314	1	-0.079958	5	4.80E-06	0.00014	0.037588	0.11755	4.29E-05	Intergenic	NA	NA
17	12100391	12100475	1	-0.229409	5	1.30E-05	7.10E-05	0.15744	0.38685	9.66E-05	Intragenic	NM_001109904	Fgfr4
17	12107500	12107560	1	-0.209768	5	0.0094	0.039	0.54201	0.75178	0.021723038	Intragenic	NM_001109904	Fgfr4
17	12262481	12263021	1	-0.141715	13	0.0028	0.0073	0.29923	0.44094	0.008113721	Intragenic	NM_022206	Unc5a
17	12304093	12304198	1	-0.099859	5	0.023	0.015	0.2317	0.33155	0.04441443	Intragenic	NM_022206	Unc5a
17	12323284	12323389	1	-0.104254	5	0.02	0.015	0.2273	0.33155	0.039778219	Intergenic	NA	NA
17	12359563	12359594	1	0.051198	5	0.0032	0.038	0.96866	0.91746	0.008990975	Intergenic	NA	NA
17	12437196	12437286	1	-0.064206	6	0.00097	0.018	0.04759	0.1118	0.003366009	Intergenic	NA	NA
17	12455193	12455279	1	-0.052741	5	0.0014	0.015	0.034201	0.086942	0.004540837	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	12830873	12831005	1	-0.197841	5	3.10E-05	0.00026	0.062848	0.26069	0.000197418	Intergenic	NA	NA
17	13503540	13503598	1	-0.19774	5	0.0022	0.039	0.21872	0.41646	0.006578104	Intergenic	NA	NA
17	13504023	13504067	1	-0.187906	5	1.30E-06	3.40E-05	0.13557	0.32348	1.46E-05	Intergenic	NA	NA
17	13834289	13834402	1	-0.122342	5	0.0058	0.087	0.72461	0.84695	0.014624129	Intergenic	NA	NA
17	14015542	14015597	1	-0.279684	5	1.70E-05	0.00028	0.16716	0.44684	0.000120524	Intergenic	NA	NA
17	14052005	14052071	1	-0.088159	5	0.02	0.038	0.16484	0.25299	0.039778219	TSS	NM_001107339	Ror2
17	14106525	14106614	1	-0.17677	5	0.0049	0.024	0.50053	0.6773	0.012753585	Intragenic	NM_001107339	Ror2
17	14153052	14153119	1	-0.172367	5	0.02	0.038	0.49179	0.66415	0.039778219	Intragenic	NM_001107339	Ror2
17	14678178	14678282	1	-0.156962	5	0.025	0.024	0.23683	0.39379	0.047453009	Intergenic	NA	NA
17	14758932	14759073	1	-0.162143	9	0.00089	0.00032	0.40025	0.56239	0.003126317	TSS	NM_012758	Syk
17	15580429	15580683	1	-0.070301	6	0.017	0.04	0.11122	0.18153	0.034796287	Intergenic	NA	NA
17	15737298	15737514	1	-0.054938	10	0.0019	0.03	0.092297	0.14724	0.005855937	Intergenic	NA	NA
17	16129407	16129902	1	-0.146148	18	0.00056	0.006	0.40307	0.54922	0.002153446	Intergenic	NA	NA
17	17141494	17141578	1	-0.232992	5	0.00048	0.0018	0.20926	0.44225	0.001881331	Intragenic	NM_001082409	Fbxw17
17	17151334	17151605	1	-0.05177	9	0.002	0.06	0.035095	0.086865	0.006079939	TSS	NM_001082409	Fbxw17
17	17818957	17819045	1	-0.057552	8	0.0059	0.036	0.080618	0.13817	0.014851341	Intragenic	NM_001108409	Fgd3
17	18011761	18011992	1	-0.209444	5	0.0017	0.0054	0.22401	0.43345	0.005339493	Intragenic	NM_001191556	Wnk2
17	18278084	18278302	1	-0.141433	8	0.024	0.026	0.47548	0.61691	0.046241462	Intergenic	NA	NA
17	18367029	18367123	1	-0.223481	7	2.20E-06	8.70E-05	0.396	0.61948	2.27E-05	Intergenic	NA	NA
17	18459593	18459732	1	-0.102285	5	0.019	0.13	0.1929	0.29519	0.038322088	Intergenic	NA	NA
17	19877277	19877389	1	-0.099056	9	5.80E-05	0.0027	0.091931	0.19099	0.000331425	TSS	NM_199236	Nhlrc1
17	19900913	19901241	1	-0.199581	12	2.00E-07	0.00019	0.19009	0.38967	3.06E-06	Intragenic	NM_001079531	Tpmt
17	19913139	19913274	1	-0.380409	5	0.00012	0.00026	0.14509	0.5255	0.000603617	Intragenic	NM_001107343	Kdm1b
17	19927414	19927591	1	0.229177	5	1.00E-05	0.00014	0.76753	0.53836	7.82E-05	Intragenic	NM_001107343	Kdm1b
17	20554784	20554840	1	-0.08586	5	0.0087	0.13	0.76214	0.848	0.020391633	Intergenic	NA	NA
17	20697335	20697412	1	-0.286033	5	4.80E-06	0.00096	0.18602	0.47206	4.29E-05	Intergenic	NA	NA
17	21335461	21335648	0.00089	-0.254167	9	1.60E-11	2.80E-09	0.086006	0.34017	8.51E-10	Intragenic	NM_012726	Atxn1
17	21611791	21611841	1	-0.180316	5	0.023	0.087	0.48257	0.66289	0.04441443	Intergenic	NA	NA
17	21611875	21611963	1	-0.159275	5	0.0074	0.0017	0.58378	0.74305	0.017853001	Intergenic	NA	NA
17	21639333	21639399	1	-0.193484	5	0.0027	0.0051	0.53502	0.7285	0.007840962	Intergenic	NA	NA
17	21987845	21987917	1	-0.188686	5	0.002	0.0053	0.50403	0.69271	0.006079939	Intergenic	NA	NA
17	22350893	22350969	1	-0.120414	5	0.023	0.039	0.57393	0.69434	0.04441443	Intergenic	NA	NA
17	22964637	22964703	1	-0.15606	5	0.025	0.088	0.42377	0.57983	0.047453009	Intergenic	NA	NA
17	23961211	23961836	1	-0.059277	19	0.011	0.098	0.74319	0.80247	0.02463877	Intergenic	NA	NA
17	25243349	25243397	1	-0.092355	5	8.80E-05	0.0093	0.038159	0.13051	0.000466886	Intragenic	NM_214457	Phactr1
17	26090540	26090674	1	-0.187575	5	0.0008	6.90E-05	0.086593	0.27417	0.002866309	Intergenic	NA	NA
17	26097353	26097439	1	-0.083414	5	0.00036	0.0093	0.06605	0.14946	0.001486639	Intergenic	NA	NA
17	26156165	26156332	1	-0.101484	5	0.0058	0.024	0.038894	0.14038	0.014624129	Intergenic	NA	NA
17	26393588	26393624	1	-0.225613	5	0.00054	0.0054	0.31053	0.53614	0.002077867	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	26573696	26573816	1	-0.131434	7	0.026	0.039	0.4825	0.61393	0.049234478	Intergenic	NA	NA
17	26589489	26589600	1	-0.055216	5	0.013	0.015	0.041196	0.096412	0.028097302	Intergenic	NA	NA
17	26590121	26590257	1	-0.170835	5	0.0068	0.038	0.13485	0.30568	0.016642688	Intergenic	NA	NA
17	26597416	26597678	1	-0.066336	7	0.00038	0.0013	0.025831	0.092167	0.001566539	TSS	NM_001107345	Tfap2a
17	26873054	26873375	1	-0.178296	7	4.50E-06	9.10E-05	0.1645	0.34279	4.09E-05	Intergenic	NA	NA
17	27020360	27020439	1	-0.162578	5	0.0094	0.024	0.24227	0.40485	0.021723038	Intergenic	NA	NA
17	28585018	28585151	1	-0.196803	5	0.0013	0.0018	0.31541	0.51222	0.004277683	Intergenic	NA	NA
17	29237370	29237455	1	-0.122735	5	0.0063	0.059	0.41789	0.54063	0.015629046	Intergenic	NA	NA
17	29444476	29444647	1	-0.22619	9	8.80E-08	9.80E-06	0.18797	0.41416	1.57E-06	Intergenic	NA	NA
17	29464010	29464262	1	-0.157139	9	0.00022	0.0028	0.3353	0.49244	0.000994261	Intragenic	NM_001107348	Rreb1
17	29676387	29676533	1	-0.15533	5	0.00011	0.00098	0.089652	0.24498	0.000565143	Intergenic	NA	NA
17	30813703	30813780	1	0.184282	5	0.0068	0.015	0.7774	0.59312	0.016642688	Intergenic	NA	NA
17	30897105	30897238	1	-0.138035	5	0.013	0.024	0.21179	0.34982	0.028097302	Intergenic	NA	NA
17	31706354	31706481	1	-0.114343	8	0.02	0.2	0.2672	0.38155	0.039778219	Intragenic	NM_001014145	Cdyl
17	32569189	32569844	1	-0.070859	17	2.50E-06	5.30E-05	0.067779	0.13864	2.52E-05	TSS	NM_001271083	Fam217a
17	32764802	32764986	0.054	-0.209526	15	1.10E-08	1.70E-07	0.39617	0.6057	2.70E-07	Intragenic	NM_001107349	Fam50b
17	33160913	33161035	1	-0.140405	5	0.025	0.25	0.43008	0.57049	0.047453009	Intragenic	NM_022624	Slc22a23
17	34065007	34065034	1	-0.128283	5	1.70E-06	3.40E-05	0.1093	0.23758	1.83E-05	Intergenic	NA	NA
17	35823265	35823410	1	-0.119535	5	0.019	0.037	0.6786	0.79814	0.038322088	Intragenic	NM_001039606	Gmcs
17	37071228	37071320	1	-0.056155	5	0.019	0.015	0.78233	0.83848	0.038322088	Intergenic	NA	NA
17	37400162	37400262	1	-0.108864	5	0.00026	0.0018	0.80802	0.91689	0.001130807	Intragenic	NM_001109120	Mboat1
17	39005142	39005325	1	-0.086694	8	0.0048	0.017	0.60448	0.69118	0.012663359	Intergenic	NA	NA
17	39225105	39225154	1	-0.184861	5	1.00E-05	0.00098	0.36749	0.55235	7.82E-05	Intergenic	NA	NA
17	39327134	39327177	1	-0.099812	11	0.00011	0.00063	0.36785	0.46766	0.000565143	Intergenic	NA	NA
17	39327229	39327406	1	-0.076661	21	0.01	0.11	0.17135	0.21583	0.02275947	Intergenic	NA	NA
17	39548126	39548175	1	-0.184861	5	1.00E-05	0.00098	0.36749	0.55235	7.82E-05	Intergenic	NA	NA
17	39579644	39579739	1	-0.15229	5	0.025	0.25	0.29297	0.44526	0.047453009	Intergenic	NA	NA
17	43092049	43092200	1	-0.091596	7	0.0024	0.019	0.62418	0.71578	0.00705499	Intergenic	NA	NA
17	44192765	44192818	1	-0.122162	5	0.00039	0.015	0.41825	0.54041	0.001587612	Intragenic	NM_001014009	Fam65b
17	44286310	44286335	1	-0.051603	5	0.019	0.038	0.042942	0.094545	0.038322088	Intragenic	NM_001014009	Fam65b
17	44415123	44415243	1	-0.073098	6	0.018	0.16	0.12143	0.19453	0.036742993	Intergenic	NA	NA
17	44917197	44917395	1	-0.074208	9	0.00013	0.0017	0.031886	0.10609	0.000648758	TSS	NM_001191692	Lrrc16a
17	45815533	45815568	1	-0.112554	5	0.00039	0.00098	0.31602	0.42858	0.001587612	Intergenic	NA	NA
17	45929402	45929506	1	-0.163802	5	0.0041	0.0055	0.29767	0.46148	0.01100507	Intergenic	NA	NA
17	46461940	46461978	1	-0.112847	5	0.0024	0.015	0.28042	0.39326	0.00705499	Intragenic	NM_022217	Amph
17	47572238	47572277	1	-0.192853	5	0.016	0.038	0.42737	0.62022	0.033288089	Intergenic	NA	NA
17	47591343	47591830	1	-0.083571	8	0.016	0.07	0.7295	0.81307	0.033288089	Intergenic	NA	NA
17	48688261	48688309	1	0.081747	5	0.025	0.088	0.85568	0.77393	0.047453009	Intragenic	NM_001014146	Sugct
17	51155986	51156068	1	-0.28293	5	0.0017	0.00052	0.31558	0.59851	0.005339493	Intragenic	NM_001106117	Hecw1

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	51216145	51216292	1	0.086653	5	0.014	0.038	0.73591	0.64925	0.029850603	Intragenic	NM_001106117	Hecw1
17	52560101	52560307	1	-0.149226	8	9.90E-05	0.0026	0.17531	0.32453	0.000516804	Intergenic	NA	NA
17	54399225	54399353	1	-0.150289	5	0.00012	0.0018	0.11412	0.26441	0.000603617	Intergenic	NA	NA
17	55315505	55315602	1	-0.110753	7	0.0056	0.0076	0.72738	0.83813	0.014333376	Intergenic	NA	NA
17	55351046	55351161	0.088	-0.202228	5	2.10E-07	2.70E-07	0.048941	0.25117	3.19E-06	Intragenic	NM_001309462	Epc1
17	55775345	55775383	1	-0.11291	5	0.0024	0.015	0.28042	0.39333	0.00705499	Intergenic	NA	NA
17	56692507	56692534	1	-0.210767	5	0.0011	0.00053	0.31337	0.52414	0.003737263	Intragenic	NM_001108415	Elmo1
17	57149906	57149954	1	-0.064935	5	0.015	0.038	0.68693	0.75187	0.031584896	Intergenic	NA	NA
17	57150133	57150427	1	-0.081742	5	0.0019	0.0055	0.7542	0.83594	0.005855937	Intergenic	NA	NA
17	58366341	58366455	1	-0.053957	5	0.0045	0.0031	0.071366	0.12532	0.011905878	Intergenic	NA	NA
17	58434485	58434550	1	-0.081633	5	0.0029	0.0092	0.80087	0.8825	0.008293503	Intergenic	NA	NA
17	58720152	58720230	1	-0.092766	8	1.10E-05	0.001	0.07878	0.17155	8.53E-05	Intergenic	NA	NA
17	58810270	58810359	1	-0.077128	5	0.0016	0.0092	0.10421	0.18134	0.005100053	Intergenic	NA	NA
17	59052971	59053073	0.00077	-0.306495	14	5.70E-14	2.40E-09	0.23239	0.53888	7.06E-12	Intergenic	NA	NA
17	62747168	62747396	1	-0.139787	16	4.10E-07	0.00011	0.49858	0.63837	5.71E-06	Intergenic	NA	NA
17	62747879	62748083	1	-0.188529	7	2.20E-05	0.0005	0.57299	0.76152	0.000149617	Intergenic	NA	NA
17	62948381	62948544	1	-0.322264	5	1.10E-06	3.50E-05	0.070819	0.39308	1.27E-05	Intergenic	NA	NA
17	65113291	65113399	1	-0.089711	5	0.0049	0.025	0.11756	0.20727	0.012753585	Intergenic	NA	NA
17	65401285	65401403	0.012	-0.147396	13	7.00E-11	3.70E-08	0.18639	0.33379	3.22E-09	Intragenic	NM_001107360	Dip2c
17	67464551	67464656	1	-0.109495	5	0.0029	0.059	0.46237	0.57186	0.008293503	Intragenic	NM_001191043:NM_032078	Ryr2:Ryr2
17	67464697	67464780	1	-0.153356	5	0.0032	0.024	0.22569	0.37905	0.008990975	Intragenic	NM_001191043:NM_032078	Ryr2:Ryr2
17	67935356	67935489	1	0.392466	6	2.20E-05	0.00092	0.76501	0.37255	0.000149617	Intergenic	NA	NA
17	68942346	68942580	0.1	-0.064204	27	4.60E-12	3.20E-07	0.088559	0.15276	2.99E-10	Intergenic	NA	NA
17	71918503	71918654	1	-0.225497	7	3.90E-05	5.30E-05	0.16115	0.38665	0.000237659	Intragenic	NM_001108420	Asb13
17	72090881	72091043	1	-0.312017	8	3.10E-07	1.00E-05	0.22015	0.53216	4.47E-06	Intragenic	NM_001033698	Ankrd16
17	72682879	72682993	1	-0.146048	5	0.023	0.088	0.40443	0.55048	0.04441443	Intragenic	NM_001276721	Prkcq
17	73543776	73543925	1	-0.253225	9	2.80E-06	4.40E-05	0.17154	0.42476	2.79E-05	Intragenic	NM_001107364	Sfmbt2
17	73672565	73672605	1	-0.155752	5	0.002	0.0018	0.70246	0.85821	0.006079939	Intergenic	NA	NA
17	74111971	74112096	1	-0.113401	5	0.0016	0.00052	0.20321	0.31661	0.005100053	Intergenic	NA	NA
17	74112201	74112237	1	-0.073877	5	0.0094	0.088	0.073013	0.14689	0.021723038	Intergenic	NA	NA
17	74112292	74112332	1	-0.319805	7	2.90E-07	9.50E-05	0.15865	0.47845	4.23E-06	Intergenic	NA	NA
17	74112341	74112463	1	-0.057132	7	0.0072	0.11	0.1199	0.17703	0.017539509	Intergenic	NA	NA
17	74118727	74118780	1	-0.05037	5	0.00044	0.0018	0.06818	0.11855	0.001760146	Intragenic	NM_133293	Gata3
17	74118934	74119035	1	-0.096095	5	0.0019	0.0032	0.055822	0.15192	0.005855937	Intragenic	NM_133293	Gata3
17	76687420	76687574	1	-0.125702	5	0.014	0.037	0.4273	0.553	0.029850603	Intergenic	NA	NA
17	77777638	77777771	1	-0.188428	18	3.10E-08	2.60E-05	0.48989	0.67832	6.79E-07	Intergenic	NA	NA
17	77777786	77777813	1	-0.097561	5	0.0014	0.015	0.54604	0.6436	0.004540837	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	77950948	77951094	1	-0.295366	5	0.00017	0.00052	0.19819	0.49356	0.000806192	Intragenic	NM_001025720	Dhtkd1
17	78735201	78735375	1	-0.120673	8	0.00022	0.00025	0.5336	0.65428	0.000994261	Intergenic	NA	NA
17	78838429	78838587	1	-0.100513	5	0.014	0.088	0.17765	0.27816	0.029850603	Intergenic	NA	NA
17	79146383	79146574	1	-0.125721	8	0.0013	0.0056	0.25011	0.37583	0.004277683	Intragenic	NM_001191834	Bend7
17	79284890	79285082	9.70E-12	-0.349834	17	4.40E-14	3.00E-17	0.12967	0.4795	6.64E-12	Intragenic	NM_138523	Prpf18
17	79320387	79320588	1	-0.141187	7	0.0083	0.035	0.59364	0.73483	0.019719474	Intragenic	NM_001191821	Frmd4a
17	79347095	79347147	1	-0.211694	5	0.008	0.038	0.26607	0.47776	0.019059477	Intragenic	NM_001191821	Frmd4a
17	79731164	79731287	1	-0.057282	5	0.00036	0.0018	0.027105	0.084387	0.001486639	Intergenic	NA	NA
17	79889540	79889643	1	-0.09255	5	0.0032	0.059	0.082864	0.17541	0.008990975	Intergenic	NA	NA
17	79910175	79910271	1	-0.233171	5	8.10E-06	6.80E-05	0.14447	0.37764	6.58E-05	Intergenic	NA	NA
17	80144899	80145318	1	-0.089113	6	0.0013	0.018	0.084778	0.17389	0.004277683	Intragenic	NM_001025034	Fam107b
17	80733392	80733450	0.49	-0.291364	5	1.10E-06	1.50E-06	0.073377	0.36474	1.27E-05	Intergenic	NA	NA
17	80892209	80892288	1	0.05465	5	0.014	0.059	0.8805	0.82585	0.029850603	Intergenic	NA	NA
17	81303994	81304089	1	-0.218927	5	0.00048	0.0053	0.23258	0.45151	0.001881331	TSS	NM_001173972	Itga8
17	82103122	82103224	1	-0.232569	5	0.0013	0.025	0.3959	0.62847	0.004277683	Intragenic	NM_001109404	Rsu1
17	82414255	82414448	1	-0.154186	7	0.017	0.039	0.15315	0.30734	0.034796287	Intragenic	NM_053332	Cubn
17	82425386	82425656	0.33	-0.244492	9	1.80E-09	1.00E-06	0.099885	0.34438	5.50E-08	TSS	NM_053332	Cubn
17	82505785	82505834	1	-0.137122	5	0.002	0.039	0.13024	0.26736	0.006079939	Intragenic	NM_031140	Vim
17	84966387	84966475	1	-0.08162	5	0.0041	0.015	0.11783	0.19945	0.01100507	Intragenic	NM_001108422	Plxdc2
17	86550355	86550407	1	-0.155115	5	0.0041	0.038	0.2948	0.44992	0.01100507	Intergenic	NA	NA
17	86552282	86552367	0.0022	-0.11562	7	1.20E-09	6.80E-09	0.00639	0.12201	3.88E-08	Intergenic	NA	NA
17	87411612	87411699	1	-0.168421	5	0.017	0.038	0.20026	0.36868	0.034796287	Intragenic	NM_053926	Pip4k2a
17	87525172	87525280	1	-0.113488	6	0.00012	0.0045	0.060949	0.17444	0.000603617	Intergenic	NA	NA
17	87779880	87780009	1	-0.113931	8	3.20E-06	0.00041	0.088735	0.20267	3.11E-05	TSS	NM_001031660	Msrp2
17	87782801	87782950	1	-0.126369	5	0.014	0.18	0.15851	0.28488	0.029850603	TSS	NM_001031660	Msrp2
17	87876478	87876747	0.14	-0.154412	14	3.20E-10	4.30E-07	0.113	0.26741	1.24E-08	Intergenic	NA	NA
17	88118919	88118992	1	-0.056937	7	0.0051	0.056	0.067591	0.12453	0.013208341	Intergenic	NA	NA
17	88150222	88150414	2.60E-07	-0.333715	11	1.60E-13	7.90E-13	0.016079	0.34979	1.56E-11	Intergenic	NA	NA
17	88907694	88907774	0.089	-0.175795	5	1.10E-07	2.80E-07	0.11355	0.28935	1.86E-06	Intergenic	NA	NA
17	88964451	88964591	1	-0.192366	5	0.0058	0.015	0.15166	0.34403	0.014624129	Intergenic	NA	NA
17	89256934	89256992	1	-0.315466	5	4.90E-07	1.60E-05	0.3175	0.63296	6.54E-06	Intergenic	NA	NA
17	89377220	89377311	0.098	-0.209622	7	5.30E-07	3.00E-07	0.14378	0.3534	7.05E-06	Intergenic	NA	NA
17	89672670	89672982	0.23	-0.177299	6	3.50E-07	7.00E-07	0.011421	0.18872	4.97E-06	Intragenic	NM_001106127	Prtfdc1
17	89835240	89835298	1	-0.106388	5	0.0019	0.015	0.10034	0.20672	0.005855937	Intergenic	NA	NA
17	90526935	90526983	1	-0.156125	5	0.00032	0.00028	0.18476	0.34089	0.001346443	Intergenic	NA	NA
18	361607	361742	1	-0.227524	5	0.0068	0.015	0.20555	0.43307	0.016642688	Intragenic	NM_001191725	Mtmt1
18	447188	447271	1	-0.115603	5	0.00048	0.00014	0.090759	0.20636	0.001881331	TSS	NM_001135757	Fundc2
18	1370575	1370764	1	-0.126979	9	0.009	0.082	0.53891	0.66589	0.02106603	Intragenic	NM_031098	Rock1
18	1586306	1586367	1	-0.252745	7	7.70E-06	4.60E-06	0.099377	0.35212	6.32E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	2441206	2441300	1	-0.111709	8	0.00023	0.0084	0.21929	0.331	0.00102405	Intragenic	NM_019185	Gata6
18	5603242	5603313	1	-0.20983	5	1.70E-05	0.00013	0.2061	0.41593	0.000120524	Intergenic	NA	NA
18	11588958	11589044	1	-0.134961	7	6.80E-05	0.0014	0.41752	0.55248	0.000379896	TSS	NM_001107402	Dsc3
18	13020773	13020882	1	-0.112254	5	0.017	0.038	0.25022	0.36247	0.034796287	Intergenic	NA	NA
18	14287733	14288032	1	-0.081177	7	0.0059	0.018	0.067525	0.1487	0.014851341	Intergenic	NA	NA
18	14909491	14909591	1	-0.083015	5	0.012	0.015	0.085495	0.16851	0.026435197	Intragenic	NM_001101000	Mapre2
18	15339102	15339305	1	-0.149446	5	0.01	0.086	0.20236	0.35181	0.02275947	Intragenic	NM_001101000	Mapre2
18	15385985	15386126	1	-0.262071	5	0.00032	3.40E-05	0.052691	0.31476	0.001346443	Intragenic	NM_001101000	Mapre2
18	15695993	15696040	1	-0.21941	5	0.0038	0.024	0.37394	0.59335	0.010352437	Intergenic	NA	NA
18	16847254	16847577	1	-0.075894	6	0.0026	0.04	0.13768	0.21358	0.007616821	Intragenic	NM_001271332	Fhod3
18	17443198	17443243	1	-0.192967	5	0.00072	0.0055	0.62428	0.81725	0.002634665	Intragenic	NM_001107400	Celf4
18	17490346	17490401	1	-0.199419	5	8.80E-05	0.00014	0.39358	0.593	0.000466886	Intragenic	NM_001107400	Celf4
18	17755165	17755178	1	-0.071689	5	0.0024	0.015	0.045573	0.11726	0.00705499	Intragenic	NM_001107400	Celf4
18	22803051	22803151	1	-0.128186	5	0.00029	0.0054	0.11009	0.23828	0.001239307	Intergenic	NA	NA
18	24467617	24467814	0.39	-0.333691	7	6.60E-09	1.20E-06	0.15156	0.48525	1.72E-07	Intragenic	NM_001191941	Myo7b
18	24483049	24483128	1	-0.196844	5	0.0063	0.015	0.30249	0.49934	0.015629046	Intragenic	NM_001191941	Myo7b
18	24496689	24496738	1	-0.371289	7	4.00E-08	3.90E-06	0.18495	0.55624	8.43E-07	Intragenic	NM_001191941	Myo7b
18	24645101	24645381	1	-0.147255	7	7.80E-05	0.00048	0.12067	0.26793	0.000422981	TSS	NM_012803	Proc
18	24660327	24660899	0.43	-0.159549	15	7.50E-09	1.30E-06	0.093449	0.253	1.94E-07	Intergenic	NA	NA
18	26343779	26344010	1	-0.135261	7	0.0087	0.0012	0.28929	0.42455	0.020391633	Intragenic	NM_001107397	Epb41l4a
18	26484819	26485105	0.92	-0.145979	8	2.20E-07	2.90E-06	0.032209	0.17819	3.32E-06	Intergenic	NA	NA
18	26539881	26540073	0.023	-0.213028	7	8.00E-10	7.10E-08	0.080358	0.29339	2.72E-08	Intergenic	NA	NA
18	26577670	26577721	1	-0.188696	5	8.80E-05	0.0018	0.2479	0.43659	0.000466886	Intergenic	NA	NA
18	27370327	27370483	1	-0.127503	8	1.90E-07	3.10E-05	0.06653	0.19403	2.92E-06	TSS	NM_012551	Egr1
18	27777930	27777998	1	-0.208629	6	0.011	0.027	0.56199	0.77062	0.02463877	Intragenic	NM_199376	Sil1
18	28324314	28324528	1	-0.087532	9	2.50E-05	0.0012	0.064928	0.15246	0.000166164	Intergenic	NA	NA
18	28349488	28349557	1	-0.151516	5	5.00E-05	0.0018	0.15894	0.31046	0.000291675	Intergenic	NA	NA
18	28353179	28353261	1	-0.223834	5	7.10E-06	7.50E-06	0.12506	0.34889	5.86E-05	Intergenic	NA	NA
18	28365858	28365989	0.18	-0.29089	9	1.80E-09	5.70E-07	0.1982	0.48909	5.50E-08	TSS	NM_001007628	Cxhc5
18	28385705	28385788	1	-0.127544	9	1.60E-06	0.00011	0.10834	0.23588	1.75E-05	Intergenic	NA	NA
18	28430555	28430611	0.037	-0.313682	5	1.50E-07	1.10E-07	0.0076923	0.32137	2.38E-06	Intergenic	NA	NA
18	28442955	28443067	1	-0.076026	5	0.00029	0.0055	0.020758	0.096784	0.001239307	Intergenic	NA	NA
18	28443086	28443101	0.015	-0.133274	5	2.10E-07	4.50E-08	0.069798	0.20307	3.19E-06	Intergenic	NA	NA
18	28468673	28468740	1	-0.160061	5	0.00097	0.0032	0.12124	0.2813	0.003366009	Intergenic	NA	NA
18	28849895	28850041	1	0.071613	5	7.10E-06	0.088	0.074317	0.0027043	5.86E-05	Intergenic	NA	NA
18	28853415	28854114	1	-0.056425	23	0.00012	0.021	0.10565	0.16207	0.000603617	Intergenic	NA	NA
18	29195990	29196096	1	-0.138075	5	0.0045	0.015	0.23378	0.37185	0.011905878	TSS	NM_001202552	Eif4ebp3
18	29248771	29249065	1	-0.154828	17	1.90E-06	0.00036	0.31126	0.46609	2.01E-05	Intergenic	NA	NA
18	29701919	29701983	1	-0.139521	6	3.40E-05	0.0027	0.14722	0.28675	0.000214477	TSS	NM_199508	Pcdha9

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	30502835	30503086	1	-0.06651	18	0.00053	0.015	0.21767	0.28418	0.002069204	TSS	NM_001037140	Pcdhga1
18	30509544	30509595	1	-0.086133	5	0.021	0.015	0.38479	0.47092	0.041207871	TSS	NM_001037139	Pcdhga2
18	30514572	30514611	1	-0.192764	5	3.30E-06	6.90E-05	0.22461	0.41737	3.16E-05	TSS	NM_001037154	Pcdhga3
18	30514630	30515129	1	-0.088307	22	0.00015	0.012	0.24134	0.31725	0.000724207	TSS	NM_001037154	Pcdhga3
18	30563892	30563967	1	-0.059928	5	0.01	0.038	0.17956	0.23949	0.02275947	Intragenic	NM_001037140:N M_001037139:N M_001037154:N M_001037137:N M_001014773	Pcdhga1:Pcdh ga2:Pcdhga3: Pcdhga5:Pcdh ga7
18	30574284	30574359	1	-0.060359	5	0.0094	0.038	0.17777	0.23813	0.021723038	Intragenic	NM_001037140:N M_001037139:N M_001037154:N M_001037137:N M_001014773:N M_001037156	Pcdhga1:Pcdh ga2:Pcdhga3: Pcdhga5:Pcdh ga7:Pcdhga8
18	30599493	30599567	1	-0.122535	6	0.0024	0.026	0.19961	0.32214	0.00705499	TSS	NM_001037153	Pcdhga11
18	30608168	30608310	1	-0.141243	11	6.40E-05	0.0041	0.26084	0.40208	0.000358884	TSS	NM_001037337	Pcdhga12
18	32118053	32118185	1	-0.203678	5	0.0011	0.0053	0.20634	0.41001	0.003737263	Intragenic	NM_012576	Nr3c1
18	32271989	32272033	1	-0.119619	5	9.20E-06	0.00014	0.073851	0.19347	7.32E-05	TSS	NM_001106150	Spry4
18	32289775	32289811	1	-0.139791	5	0.017	0.058	0.50455	0.64434	0.034796287	Intragenic	NM_012576	Nr3c1
18	33026766	33026949	1	-0.077167	9	0.0028	0.0084	0.74465	0.82182	0.008113721	Intergenic	NA	NA
18	34970498	34970584	1	-0.095069	5	0.016	0.18	0.72597	0.82104	0.033288089	Intergenic	NA	NA
18	36434897	36435084	1	-0.113798	10	0.0091	0.068	0.17901	0.29281	0.021291803	Intergenic	NA	NA
18	39195107	39195151	1	-0.268749	5	0.0049	0.015	0.39872	0.66747	0.012753585	Intergenic	NA	NA
18	39600062	39600144	1	-0.076274	7	0.0002	0.00076	0.75082	0.82709	0.00092049	Intergenic	NA	NA
18	39650596	39650659	1	-0.052275	5	0.0094	0.038	0.82748	0.87976	0.021723038	Intergenic	NA	NA
18	41028947	41029150	1	-0.195761	5	0.025	0.13	0.32704	0.52281	0.047453009	Intergenic	NA	NA
18	44094841	44094898	1	-0.342949	5	3.30E-06	3.50E-05	0.15951	0.50246	3.16E-05	Intragenic	NM_024392	Hsd17b4
18	45566168	45566365	1	-0.119383	5	0.0058	0.087	0.11524	0.23463	0.014624129	Intergenic	NA	NA
18	47192430	47192684	1	-0.067749	15	0.02	0.06	0.71051	0.77826	0.039778219	Intergenic	NA	NA
18	48695398	48695600	1	-0.212267	8	5.00E-08	1.70E-05	0.1039	0.31617	1.03E-06	Intergenic	NA	NA
18	49122974	49123023	1	-0.105212	5	0.019	0.039	0.26134	0.36655	0.038322088	Intragenic	NM_001107378	Zfp608
18	49215968	49216036	0.00028	-0.161705	6	2.90E-09	8.60E-10	0.018281	0.17999	8.18E-08	Intergenic	NA	NA
18	50311890	50312321	1	-0.123986	19	4.70E-06	0.0003	0.59895	0.72294	4.26E-05	Intergenic	NA	NA
18	52466265	52466356	1	-0.236532	5	8.80E-05	0.0092	0.15956	0.39609	0.000466886	Intragenic	NM_031826	Fbn2
18	55104568	55104611	0.2	-0.428222	7	3.70E-08	6.20E-07	0.20862	0.63684	7.87E-07	Intragenic	NM_021695	Synpo
18	55206565	55206657	1	-0.213427	5	0.00072	0.039	0.37754	0.59097	0.002634665	Intragenic	NM_024361	Ndst1
18	55424731	55424782	1	-0.099701	5	4.40E-05	0.00053	0.064074	0.16378	0.000263321	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	55957303	55957360	1	-0.091156	5	0.0045	0.037	0.095463	0.18662	0.011905878	TSS	NR_032139:NM_176075	Mir378:Pparg c1b
18	56441513	56441650	1	-0.162235	6	0.005	0.059	0.22621	0.38845	0.012977322	Intragenic	NM_001191698	Ablim3
18	56517961	56518194	1	-0.121193	7	9.00E-05	0.008	0.082834	0.20403	0.000476445	Intergenic	NA	NA
18	56520429	56520510	1	-0.085414	5	0.002	0.025	0.062391	0.14781	0.006079939	Intergenic	NA	NA
18	57302470	57302541	1	-0.113402	5	0.00048	0.015	0.19513	0.30853	0.001881331	Intragenic	NM_001109539	Spink13
18	57512014	57512175	1	-0.178572	5	0.021	0.059	0.20896	0.38753	0.041207871	Intergenic	NA	NA
18	59061829	59061925	1	-0.138412	5	2.80E-05	0.00014	0.12476	0.26317	0.000182174	Intergenic	NA	NA
18	59550186	59550269	1	-0.217803	5	0.008	0.059	0.34653	0.56434	0.019059477	Intergenic	NA	NA
18	59639090	59639188	1	-0.226584	5	3.90E-05	0.00053	0.136	0.36258	0.000237659	Intragenic	NM_001008300	Nedd4l
18	59773463	59773542	1	-0.303117	5	5.50E-06	3.40E-05	0.07368	0.3768	4.78E-05	Intragenic	NM_001008300	Nedd4l
18	59842594	59842816	1	-0.170581	7	0.0014	0.0077	0.28207	0.45265	0.004540837	Intragenic	NM_001008300	Nedd4l
18	60109118	60109187	1	-0.148513	5	0.0053	0.088	0.55027	0.69879	0.013591571	Intergenic	NA	NA
18	60141726	60141906	1	-0.165685	5	0.0022	0.038	0.19935	0.36503	0.006578104	Intergenic	NA	NA
18	60177740	60177826	1	-0.341755	6	7.70E-06	0.00017	0.3185	0.66026	6.32E-05	Intergenic	NA	NA
18	61366844	61367090	1	-0.098958	14	7.00E-06	0.0015	0.1607	0.25965	5.86E-05	TSS	NM_001008385	Pmaip1
18	61373334	61373386	1	-0.125931	5	0.02	0.037	0.31779	0.44372	0.039778219	Intergenic	NA	NA
18	61423506	61423837	1	-0.073022	9	0.019	0.0018	0.19754	0.27057	0.038322088	Intergenic	NA	NA
18	61571336	61571442	1	-0.150188	5	0.0058	0.038	0.2677	0.41789	0.014624129	Intergenic	NA	NA
18	61970531	61970600	1	-0.148513	5	0.0053	0.088	0.55027	0.69879	0.013591571	Intergenic	NA	NA
18	62003862	62004042	1	-0.160781	5	0.0029	0.024	0.20425	0.36503	0.008293503	Intragenic	NM_001191836	Gnal
18	63112315	63112549	1	-0.128187	7	0.00012	0.0013	0.12534	0.25353	0.000603617	Intragenic	NM_001271365	Ldlrad4
18	63811986	63812086	1	-0.254354	5	0.00026	0.0093	0.24471	0.49906	0.001130807	Intergenic	NA	NA
18	64473502	64473559	1	-0.1772	5	0.00014	0.00051	0.26056	0.43776	0.000684451	Intragenic	NM_053369	Tcf4
18	65071531	65071616	1	-0.095787	5	0.0019	0.015	0.80658	0.90237	0.005855937	Intergenic	NA	NA
18	65124922	65125050	1	-0.103265	5	0.00021	0.00051	0.76349	0.86675	0.000951214	Intergenic	NA	NA
18	68774693	68774772	1	-0.182275	5	0.016	0.085	0.46735	0.64963	0.033288089	Intragenic	NM_019275	Smad4
18	69087202	69087263	0.37	-0.386055	7	3.30E-08	1.10E-06	0.21368	0.59973	7.16E-07	TSS	NM_019319	Mapk4
18	69466466	69466595	1	-0.092924	5	0.015	0.039	0.53346	0.62639	0.031584896	Intergenic	NA	NA
18	69570064	69570364	1	-0.068216	7	3.60E-05	0.00049	0.024829	0.093045	0.000223919	TSS	NM_017083	Myo5b
18	69625967	69626025	1	-0.129886	5	0.0016	0.025	0.14327	0.27315	0.005100053	Intragenic	NM_017083	Myo5b
18	70436737	70436762	1	-0.424351	5	1.00E-05	7.60E-06	0.42699	0.85134	7.82E-05	Intragenic	NM_001106133	Dym
18	70460817	70460892	1	-0.162964	5	0.0087	0.037	0.40254	0.56551	0.020391633	Intergenic	NA	NA
18	70539275	70539423	1	-0.163311	5	5.60E-05	3.40E-05	0.1357	0.29901	0.000320912	Intragenic	NM_030858	Smad7
18	70602867	70602984	0.48	-0.361252	5	3.70E-07	1.50E-06	0.13659	0.49785	5.21E-06	Intragenic	NM_001108891	Ctif
18	70692447	70692500	1	-0.163794	5	1.50E-05	0.00053	0.10329	0.26708	0.000109113	Intragenic	NM_001108891	Ctif
18	70814968	70815021	1	-0.163794	5	1.50E-05	0.00053	0.10329	0.26708	0.000109113	Intragenic	NM_001108891	Ctif
18	71553373	71553504	1	-0.247569	5	0.0019	0.0018	0.16497	0.41253	0.005855937	Intragenic	NM_001127375	Zbtb7c
18	71587941	71587970	1	-0.166211	5	4.40E-05	0.0017	0.52089	0.6871	0.000263321	Intragenic	NM_001127375	Zbtb7c

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	71896699	71896790	1	-0.150063	5	0.021	0.13	0.46698	0.61704	0.041207871	Intergenic	NA	NA
18	71924353	71924456	1	-0.064524	5	0.01	0.039	0.065975	0.1305	0.02275947	Intergenic	NA	NA
18	72023387	72023492	1	-0.140621	5	0.0022	0.00027	0.1378	0.27842	0.006578104	Intragenic	NM_001013189	Pq1c1
18	72525919	72526092	1	-0.096497	9	0.0028	0.032	0.15572	0.25222	0.008113721	Intergenic	NA	NA
18	72838321	72838364	1	-0.125694	6	0.02	0.12	0.065184	0.19088	0.039778219	Intergenic	NA	NA
18	73242737	73242832	1	-0.076321	5	0.016	0.087	0.027216	0.10354	0.033288089	TSS	NM_213628	St8sia5
18	73672517	73672833	1	-0.056956	10	0.023	0.038	0.14808	0.20504	0.04441443	Intergenic	NA	NA
18	73821266	73821341	1	-0.177739	5	0.0045	0.0031	0.3154	0.49314	0.011905878	Intragenic	NM_138864	Haus1
18	73867904	73867979	1	-0.177739	5	0.0045	0.0031	0.3154	0.49314	0.011905878	Intragenic	NM_001271281:N M_138864	Pstpip2:Haus1
18	74181453	74181618	1	-0.137202	5	0.0094	0.024	0.24267	0.37987	0.021723038	Intergenic	NA	NA
18	74774126	74774241	1	-0.406621	5	1.50E-06	7.40E-06	0.2402	0.64682	1.65E-05	Intergenic	NA	NA
18	76681847	76682026	1	-0.13977	7	0.026	0.053	0.54885	0.68862	0.049234478	TSS	NM_001108892	Sall3
18	77384328	77384453	1	-0.09906	5	0.0045	0.015	0.18852	0.28758	0.011905878	Intergenic	NA	NA
18	77436233	77436372	1	-0.153622	6	0.0083	0.018	0.25194	0.40556	0.019719474	Intergenic	NA	NA
18	78317219	78317271	1	-0.062339	5	0.0038	0.0092	0.03422	0.09656	0.010352437	TSS	NM_012958	Galr1
18	78725074	78725138	1	-0.069249	5	0.012	0.059	0.077142	0.14639	0.026435197	Intergenic	NA	NA
18	78805338	78805399	1	-0.196173	5	0.0045	0.038	0.41685	0.61302	0.011905878	Intergenic	NA	NA
18	78850905	78851069	1	-0.162522	5	0.0014	0.039	0.25613	0.41865	0.004540837	Intergenic	NA	NA
18	78983884	78984270	1	-0.155807	6	0.0057	0.081	0.14165	0.29746	0.014573809	Intergenic	NA	NA
18	79170929	79171037	1	-0.183349	9	6.40E-07	4.90E-06	0.28777	0.47112	8.24E-06	Intergenic	NA	NA
18	79171548	79171587	1	-0.075842	5	0.00065	0.0032	0.83982	0.91566	0.002426546	Intergenic	NA	NA
18	79211257	79211372	1	-0.175836	5	0.00012	0.0055	0.10512	0.28095	0.000603617	Intergenic	NA	NA
18	79791144	79791276	1	-0.060042	5	0.014	0.025	0.037779	0.09782	0.029850603	Intergenic	NA	NA
18	80570553	80570754	1	-0.155471	13	5.90E-05	0.0066	0.30493	0.4604	0.000336659	Intragenic	NM_001010920	Cndp2
18	80625585	80625636	1	-0.227772	5	0.00039	0.00014	0.18885	0.41663	0.001587612	Intergenic	NA	NA
18	80728162	80728440	1	-0.115044	15	0.0038	0.014	0.42006	0.5351	0.010352437	Intergenic	NA	NA
18	86245912	86246032	1	-0.134589	5	0.015	0.13	0.55554	0.69013	0.031584896	Intergenic	NA	NA
19	4924947	4925029	1	-0.069974	5	0.00054	0.0031	0.79357	0.86355	0.002077867	Intergenic	NA	NA
19	5092351	5092563	1	-0.250441	10	5.40E-10	5.40E-06	0.31604	0.56648	1.93E-08	Intergenic	NA	NA
19	5580389	5580448	1	-0.051977	5	0.00088	0.0091	0.88849	0.94047	0.003092094	Intergenic	NA	NA
19	5824926	5825091	1	-0.095948	9	8.60E-07	2.90E-05	0.089411	0.18536	1.04E-05	Intergenic	NA	NA
19	5825746	5825821	1	0.070868	5	0.019	0.13	0.18756	0.11669	0.038322088	Intergenic	NA	NA
19	5826614	5826995	1	-0.053365	27	0.0035	0.048	0.14717	0.21283	0.009686665	Intergenic	NA	NA
19	5827115	5827201	1	-0.182754	5	0.0087	0.015	0.24185	0.42461	0.020391633	Intergenic	NA	NA
19	7031171	7031345	1	-0.075987	9	0.0062	0.0018	0.66615	0.74214	0.015570617	Intergenic	NA	NA
19	9007893	9007917	1	-0.144652	5	0.0041	0.0053	0.71768	0.86234	0.01100507	Intergenic	NA	NA
19	9375644	9375782	1	-0.063168	5	0.0017	0.00097	0.046808	0.10998	0.005339493	Intergenic	NA	NA
19	9417902	9417926	1	-0.147318	5	0.0027	0.0053	0.71502	0.86234	0.007840962	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	9479244	9479322	1	-0.208173	5	5.50E-06	3.40E-05	0.13369	0.34187	4.78E-05	Intergenic	NA	NA
19	9625466	9625553	1	-0.207159	5	0.00021	0.0018	0.11135	0.31851	0.000951214	Intergenic	NA	NA
19	10105233	10105431	1	-0.146838	7	0.018	0.026	0.50447	0.65131	0.036742993	Intragenic	NM_001170478	Zfp319
19	10115124	10115245	1	-0.197473	5	0.015	0.086	0.49342	0.69089	0.031584896	Intragenic	NM_201655	Tepp
19	10180081	10180345	1	-0.121506	12	0.00049	0.0072	0.20587	0.32738	0.001919899	Intragenic	NM_031809	Cngb1
19	10289953	10290350	0.57	-0.0961	18	1.90E-09	1.80E-06	0.054082	0.17181	5.77E-08	Intergenic	NA	NA
19	10290368	10290530	2.60E-05	-0.233075	9	1.60E-12	8.00E-11	0.1253	0.35838	1.17E-10	Intergenic	NA	NA
19	10422705	10422825	1	-0.136569	5	0.02	0.0091	0.15279	0.28936	0.039778219	Intragenic	NM_152242	Adgrg1
19	10478139	10478261	0.02	-0.377238	8	4.30E-08	6.10E-08	0.18779	0.56503	9.02E-07	Intergenic	NA	NA
19	10520044	10520170	1	-0.13941	12	3.00E-06	9.20E-05	0.21192	0.35133	2.93E-05	Intragenic	NM_001108437	Ccdc102a
19	10520494	10520512	1	-0.213427	5	5.60E-05	0.00014	0.16114	0.37457	0.000320912	Intragenic	NM_001108437	Ccdc102a
19	10636895	10636968	1	-0.138645	5	3.30E-06	0.00014	0.055379	0.19402	3.16E-05	Intergenic	NA	NA
19	10648672	10648981	1	-0.174387	7	3.30E-08	1.50E-05	0.068602	0.24299	7.16E-07	TSS	NM_134455	Cx3cl1
19	11277222	11277337	1	-0.125982	5	0.0029	0.038	0.10805	0.23403	0.008293503	TSS	NM_138826	Mt1
19	11278051	11278190	1	-0.154697	8	5.00E-05	1.80E-05	0.10304	0.25773	0.000291675	TSS	NM_138826	Mt1
19	11534315	11534540	1	-0.133716	9	0.011	0.062	0.46347	0.59719	0.02463877	Intragenic	NM_017327	Gnao1
19	23867491	23867589	1	-0.223551	5	0.0041	0.015	0.36468	0.58823	0.01100507	Intragenic	NM_001108439	Large
19	26918567	26918787	1	-0.137222	6	0.0088	0.059	0.17922	0.31645	0.020605924	TSS	NM_001107413	Irx3
19	27398990	27399089	1	-0.130238	5	0.023	0.088	0.32158	0.45182	0.04441443	Intergenic	NA	NA
19	27416976	27417063	1	-0.123114	5	0.0038	0.0055	0.2071	0.33022	0.010352437	Intergenic	NA	NA
19	27493316	27493770	0.13	-0.059347	34	5.80E-11	4.00E-07	0.053564	0.11291	2.71E-09	TSS	NM_001030044	Irx5
19	27494126	27494340	1	-0.061284	19	0.021	0.057	0.072753	0.11537	0.041207871	Intragenic	NM_001030044	Irx5
19	27494346	27494383	1	-0.081611	5	0.00072	0.0032	0.13671	0.21832	0.002634665	Intragenic	NM_001030044	Irx5
19	27573958	27574213	1	-0.159857	10	0.00051	0.0041	0.19587	0.35573	0.00199501	Intergenic	NA	NA
19	27880924	27881128	1	-0.215019	7	1.10E-05	0.0013	0.21948	0.43449	8.53E-05	Intragenic	NM_001039713	Fto
19	28162487	28162637	1	-0.194496	7	3.80E-06	9.70E-05	0.1116	0.30609	3.54E-05	Intragenic	NM_001039713	Fto
19	30188105	30188262	1	-0.21719	9	6.10E-08	1.50E-05	0.15153	0.36872	1.18E-06	Intergenic	NA	NA
19	30207097	30207255	1	-0.132003	9	0.0054	0.062	0.34449	0.47649	0.013836205	Intergenic	NA	NA
19	30358857	30359058	1	-0.123524	8	0.022	0.051	0.61663	0.74016	0.043064669	TSS	NM_001017380	Cyld
19	30397994	30398376	0.0001	-0.231543	18	2.70E-12	3.20E-10	0.17597	0.40751	1.85E-10	Intragenic	NM_001106172	Nod2
19	30435824	30435860	1	-0.097845	5	0.00054	0.0032	0.058533	0.15638	0.002077867	Intragenic	NM_001024999	Snx20
19	30953361	30953415	1	-0.092676	5	0.02	0.086	0.6343	0.72697	0.039778219	Intergenic	NA	NA
19	31191133	31191259	1	-0.153658	9	0.00019	0.004	0.35389	0.50754	0.000879857	Intragenic	NM_053583	Zfp423
19	31556515	31556640	1	-0.074092	8	0.00025	0.0059	0.081738	0.15583	0.001103692	Intergenic	NA	NA
19	31722316	31722452	1	-0.164605	5	0.019	0.038	0.44326	0.60786	0.038322088	Intergenic	NA	NA
19	32370436	32370746	1	-0.064259	13	0.0041	0.11	0.12399	0.18824	0.01100507	Intergenic	NA	NA
19	33946052	33946235	1	-0.12264	8	0.0033	0.017	0.18689	0.30953	0.009256793	Intergenic	NA	NA
19	34025957	34026092	1	-0.220673	5	0.01	0.088	0.34088	0.56155	0.02275947	Intergenic	NA	NA
19	34389890	34389999	1	-0.261381	5	0.00011	0.00096	0.19636	0.45774	0.000565143	Intragenic	NM_001107415	Sall1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	34391158	34391403	1	-0.1747	7	0.0046	0.018	0.3798	0.5545	0.012157071	Intragenic	NM_001107415	Sall1
19	34396720	34396975	1	-0.059595	5	0.01	0.059	0.064083	0.12368	0.02275947	Intergenic	NA	NA
19	35314707	35314921	1	-0.166054	9	2.50E-05	0.0041	0.13187	0.29792	0.000166164	Intragenic	NM_001134539	Tbc1d9
19	35474902	35474948	1	-0.072759	5	0.00036	0.0092	0.042872	0.11563	0.001486639	TSS	NM_001025666	Mgat4d
19	35686109	35686346	1	-0.101156	10	0.0025	0.03	0.26998	0.37114	0.007343559	Intragenic	NM_138549	Tecr
19	35982892	35982921	0.78	-0.096217	7	1.00E-07	2.40E-06	0.014593	0.11081	1.72E-06	Intergenic	NA	NA
19	36013447	36013777	1	-0.166071	8	1.40E-05	0.00041	0.11021	0.27628	0.000103723	Intergenic	NA	NA
19	36100881	36100995	1	-0.1578	8	0.00087	0.0016	0.54756	0.70536	0.003092094	Intergenic	NA	NA
19	36120028	36120529	0.017	-0.09524	25	1.10E-11	5.40E-08	0.088118	0.18336	6.24E-10	Intergenic	NA	NA
19	36124839	36124922	1	-0.112361	10	9.70E-07	2.30E-05	0.15477	0.26713	1.16E-05	Intergenic	NA	NA
19	36141087	36141562	1	-0.10149	16	0.013	0.14	0.26977	0.37126	0.028097302	TSS	NM_001105943:N M_170667	Il27ra:Rln3
19	36176125	36176325	1	-0.116345	5	0.0068	0.088	0.16943	0.28577	0.016642688	Intragenic	NM_001105944	Rfx1
19	36176332	36176466	0.73	-0.191198	10	2.10E-08	2.30E-06	0.23789	0.42909	4.80E-07	Intragenic	NM_001105944	Rfx1
19	36222126	36222451	1	-0.215319	22	3.80E-12	3.10E-06	0.2667	0.48202	2.48E-10	Intergenic	NA	NA
19	36559951	36560005	1	0.138012	5	0.00097	0.0053	0.8913	0.75328	0.003366009	Intragenic	NM_012918	Cacna1a
19	36795713	36795857	0.14	-0.064732	14	2.10E-11	4.20E-07	0.025763	0.090495	1.07E-09	Intergenic	NA	NA
19	36796003	36796040	1	-0.051866	5	0.0017	0.025	0.04353	0.095396	0.005339493	Intergenic	NA	NA
19	36797151	36797234	1	-0.149065	5	0.0068	0.025	0.22486	0.37392	0.016642688	Intergenic	NA	NA
19	36862077	36862432	1	-0.239996	16	1.40E-09	4.50E-06	0.2704	0.5104	4.46E-08	Intragenic	NM_030866	Nfix
19	36869663	36869922	1	-0.261695	5	0.00015	0.0018	0.20241	0.4641	0.000724207	Intragenic	NM_030866	Nfix
19	36874887	36874911	1	-0.066995	5	0.012	0.059	0.1233	0.19029	0.026435197	Intragenic	NM_030866	Nfix
19	36875410	36875459	1	-0.227713	5	4.30E-06	0.00013	0.1607	0.38842	3.93E-05	Intragenic	NM_030866	Nfix
19	36876562	36876658	1	-0.099988	7	0.0012	0.018	0.27919	0.37918	0.004013471	Intragenic	NM_030866	Nfix
19	36958915	36959000	1	-0.099344	11	2.80E-05	0.0033	0.15859	0.25793	0.000182174	TSS	NM_001191557	Syce2
19	37001944	37002401	0.0055	-0.136948	22	3.90E-13	1.70E-08	0.076466	0.21341	3.35E-11	Intragenic	NM_181089	MAST1
19	37013731	37013786	1	-0.215557	5	2.20E-05	0.00014	0.2132	0.42875	0.000149617	Intragenic	NM_181089	MAST1
19	37072048	37072101	0.086	-0.063768	5	2.40E-07	2.70E-07	0.013357	0.077125	3.57E-06	TSS	NM_021836	Junb
19	37087051	37087112	1	-0.286645	7	5.80E-07	9.50E-05	0.24918	0.53582	7.50E-06	Intragenic	NM_001100562	Hook2
19	37098914	37098947	1	-0.166193	5	0.0074	0.038	0.51723	0.68343	0.017853001	Intragenic	NM_001108895	Best2
19	37118459	37118658	0.22	-0.212695	16	1.40E-11	6.80E-07	0.23632	0.44902	7.61E-10	TSS	NM_001100505:N M_001105946	Asna1:RGD15 64093
19	37182524	37182580	1	-0.183623	5	0.0014	0.039	0.18736	0.37098	0.004540837	Intragenic	NM_199404	Man2b1
19	38661572	38661680	1	-0.145003	5	0.015	0.0055	0.32708	0.47209	0.031584896	Intergenic	NA	NA
19	39033302	39033410	1	-0.145003	5	0.015	0.0055	0.32708	0.47209	0.031584896	Intergenic	NA	NA
19	41909624	41909841	1	-0.16144	7	1.20E-05	4.40E-06	0.057468	0.21891	9.15E-05	Intragenic	NM_001191699	Frem3
19	42370736	42370939	1	-0.155444	6	0.018	0.026	0.28123	0.43668	0.036742993	Intergenic	NA	NA
19	43094802	43095070	0.49	-0.219008	12	3.60E-10	1.50E-06	0.13318	0.35219	1.37E-08	Intragenic	NM_013130	Smad1
19	43095636	43095758	1	-0.1226	8	0.0072	0.051	0.16386	0.28646	0.017539509	Intragenic	NM_013130	Smad1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	43367877	43367939	1	-0.329936	5	1.20E-05	0.00014	0.14951	0.47945	9.15E-05	Intergenic	NA	NA
19	43750009	43750084	1	-0.12641	5	0.012	0.058	0.6115	0.73791	0.026435197	Intergenic	NA	NA
19	44384810	44385038	1	-0.185191	6	0.02	0.01	0.19527	0.38046	0.039778219	Intergenic	NA	NA
19	44895367	44895397	1	-0.245219	5	0.0022	0.015	0.42587	0.67109	0.006578104	Intergenic	NA	NA
19	45099142	45099337	1	-0.180916	6	0.00014	0.0045	0.22813	0.40905	0.000684451	Intragenic	NM_001109501	Arhgap10
19	48081828	48081860	1	-0.085854	5	0.019	0.088	0.13731	0.22317	0.038322088	TSS	NM_001100480	Tradd
19	48081890	48082022	1	-0.05522	5	0.01	0.039	0.065048	0.12027	0.02275947	TSS	NM_001100480	Tradd
19	48090706	48091602	1	-0.121002	17	3.40E-06	0.00072	0.14784	0.26885	3.25E-05	TSS	NM_001106177	Hsf4
19	48100845	48100904	1	-0.135248	5	0.00011	0.0018	0.21459	0.34983	0.000565143	TSS	NM_053516	Nol3
19	48527893	48528220	3.10E-20	-0.17053	37	4.20E-14	9.70E-26	0.035918	0.20645	6.64E-12	Intergenic	NA	NA
19	48777575	48777624	1	-0.138433	5	0.00029	7.10E-05	0.068597	0.20703	0.001239307	TSS	NM_001025637	Psmb10
19	48806869	48807053	1	-0.0868	5	0.021	0.015	0.071565	0.15837	0.041207871	TSS	NM_019229	Slc12a4
19	49205557	49205636	1	0.053224	5	0.021	0.024	0.8849	0.83167	0.041207871	Intergenic	NA	NA
19	49539439	49539635	1	-0.150812	5	7.80E-05	0.00014	0.068341	0.21915	0.000422981	TSS	NM_053938	Cdh3
19	49928069	49928491	1	-0.061138	16	0.0037	0.046	0.11375	0.17489	0.010204935	TSS	NM_172319	Has3
19	49982440	49982554	1	-0.2253	5	0.0027	0.0018	0.14306	0.36836	0.007840962	Intergenic	NA	NA
19	50021190	50021288	0.014	-0.316156	5	1.30E-07	4.40E-08	0.048283	0.36444	2.11E-06	Intragenic	NM_001168674	Sntb2
19	50828874	50828967	1	-0.083812	5	0.023	0.038	0.84557	0.92939	0.04441443	Intergenic	NA	NA
19	51297224	51297337	1	-0.081922	5	0.021	0.18	0.1067	0.18862	0.041207871	Intergenic	NA	NA
19	51418689	51418873	1	-0.154399	12	3.40E-05	0.0017	0.30352	0.45792	0.000214477	Intergenic	NA	NA
19	51965811	51966024	1	-0.097536	14	0.013	0.058	0.30937	0.40691	0.028097302	Intergenic	NA	NA
19	52339431	52339588	1	-0.136286	5	0.014	0.0032	0.16984	0.30612	0.029850603	Intergenic	NA	NA
19	52416251	52416319	1	-0.06252	5	0.015	0.087	0.83455	0.89707	0.031584896	Intergenic	NA	NA
19	52495045	52495098	1	-0.143949	7	4.80E-05	0.0013	0.2803	0.42425	0.000285411	Intergenic	NA	NA
19	52840221	52840298	1	-0.248226	5	3.10E-05	0.00027	0.201	0.44923	0.000197418	Intergenic	NA	NA
19	52856817	52857041	1	-0.16938	9	0.0084	0.079	0.43247	0.60185	0.019933412	Intergenic	NA	NA
19	53074739	53074901	0.4	-0.167411	7	6.30E-07	1.20E-06	0.11012	0.27753	8.14E-06	Intergenic	NA	NA
19	53595721	53595823	1	-0.152222	5	0.0053	0.039	0.19755	0.34978	0.013591571	Intergenic	NA	NA
19	53720270	53720469	1	-0.16624	6	0.00013	8.70E-05	0.15488	0.32112	0.000648758	Intergenic	NA	NA
19	53748455	53748560	1	-0.121184	5	0.0016	0.0018	0.14771	0.26889	0.005100053	Intergenic	NA	NA
19	54742858	54743344	0.064	-0.211414	19	2.90E-13	2.00E-07	0.1349	0.34632	2.66E-11	Intragenic	NM_012931	Bcar1
19	55684870	55684943	1	-0.094113	5	0.013	0.0018	0.23663	0.33074	0.028097302	Intragenic	NM_001107432	Cntnap4
19	57646345	57646445	1	-0.189439	5	3.70E-06	7.40E-06	0.070888	0.26033	3.46E-05	Intragenic	NM_001106188	Wwox
19	57747285	57747379	1	-0.201427	7	0.0029	0.024	0.5413	0.74273	0.008293503	Intragenic	NM_001106188	Wwox
19	58415155	58415227	0.35	-0.216722	10	5.40E-10	1.10E-06	0.14536	0.36208	1.93E-08	Intergenic	NA	NA
19	59446006	59446084	1	-0.07099	5	0.016	0.015	0.1125	0.18349	0.033288089	Intergenic	NA	NA
19	59576743	59576809	1	-0.130529	5	0.0094	0.088	0.33586	0.46639	0.021723038	Intergenic	NA	NA
19	59722868	59723276	0.012	-0.143147	12	1.20E-08	3.70E-08	0.055048	0.19819	2.88E-07	Intergenic	NA	NA
19	59903279	59903393	1	-0.315032	5	0.00044	3.40E-05	0.55104	0.86607	0.001760146	Intragenic	NM_001106189	Cdyl2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	59924260	59924413	1	-0.150476	9	0.0024	0.0085	0.45915	0.60963	0.00705499	Intragenic	NM_001106189	Cdyl2
19	60146974	60147037	1	-0.330438	5	2.90E-06	1.60E-05	0.24442	0.57486	2.84E-05	Intergenic	NA	NA
19	60150354	60150417	1	-0.330438	5	2.90E-06	1.60E-05	0.24442	0.57486	2.84E-05	Intergenic	NA	NA
19	60273858	60273949	0.0056	-0.085664	16	6.00E-14	1.70E-08	0.14814	0.23381	7.28E-12	TSS	NM_001191786	Atmin
19	60406122	60406194	1	-0.337874	5	1.10E-06	3.40E-05	0.33788	0.67576	1.27E-05	Intergenic	NA	NA
19	60531784	60531845	1	-0.201721	5	0.00029	0.0018	0.39205	0.59377	0.001239307	Intergenic	NA	NA
19	60582939	60583145	1	-0.170315	12	3.80E-07	5.90E-05	0.15962	0.32993	5.34E-06	Intragenic	NM_001163273	Cmip
19	60586916	60587002	1	-0.137817	5	7.80E-05	0.00053	0.05644	0.19426	0.000422981	Intragenic	NM_001163273	Cmip
19	60631214	60631292	1	-0.196341	5	9.80E-05	0.0032	0.14231	0.33866	0.000512474	Intragenic	NM_001163273	Cmip
19	60636657	60636789	1	-0.131597	5	0.0014	0.0055	0.14674	0.27834	0.004540837	Intragenic	NM_001163273	Cmip
19	60662476	60662723	1	-0.075105	12	1.20E-07	4.00E-06	0.046044	0.12115	2.01E-06	Intragenic	NM_001163273	Cmip
19	60668814	60668940	1	-0.216463	5	0.00023	0.025	0.16176	0.37822	0.00102405	Intragenic	NM_001163273	Cmip
19	60679028	60679191	1	-0.203021	6	4.90E-07	1.20E-05	0.052741	0.25576	6.54E-06	Intragenic	NM_001163273	Cmip
19	60687684	60687871	1	-0.155097	5	0.0032	0.025	0.20177	0.35687	0.008990975	Intragenic	NM_001163273	Cmip
19	60710644	60710695	1	-0.178787	5	0.0027	0.039	0.27914	0.45793	0.007840962	Intragenic	NM_001163273	Cmip
19	60754356	60754612	1	-0.137388	6	0.00021	0.00031	0.12677	0.26416	0.000951214	Intragenic	NM_001163273	Cmip
19	61008120	61008259	1	-0.158722	9	2.00E-06	0.00077	0.19107	0.3498	2.10E-05	TSS	NM_001271269	Sdr42e1
19	61623347	61623434	1	-0.121262	5	0.0068	0.088	0.20849	0.32975	0.016642688	TSS	NM_138889	Cdh13
19	61641727	61641979	1	-0.133559	5	0.016	0.0092	0.075744	0.2093	0.033288089	Intragenic	NM_138889	Cdh13
19	62227808	62228041	0.55	-0.164702	14	5.30E-10	1.70E-06	0.10449	0.26919	1.92E-08	Intragenic	NM_138889	Cdh13
19	62487535	62487643	1	-0.225298	9	1.40E-08	7.90E-05	0.23442	0.45972	3.31E-07	Intragenic	NM_138889	Cdh13
19	62848763	62848890	1	-0.1495	9	0.0052	0.11	0.42224	0.57174	0.013458626	Intragenic	NM_133415	Necab2
19	63072478	63072510	1	-0.151725	5	0.016	0.085	0.45749	0.60921	0.033288089	Intragenic	NM_133581	Wfdc1
19	63210841	63210884	1	-0.243517	5	7.00E-05	0.00097	0.19402	0.43754	0.000386221	Intragenic	NM_001108452	Cotl1
19	63231664	63231842	1	-0.113606	8	0.024	0.21	0.27226	0.38587	0.046241462	Intragenic	NM_001108452	Cotl1
19	63240063	63240240	1	-0.21013	5	9.20E-06	7.60E-06	0.059429	0.26956	7.32E-05	Intragenic	NM_001108452	Cotl1
19	63288800	63289001	1	-0.07023	5	0.0022	0.058	0.04103	0.11126	0.006578104	Intergenic	NA	NA
19	63452080	63452354	1	-0.123533	9	0.022	0.11	0.36305	0.48658	0.043064669	Intragenic	NM_138518	Crispld2
19	63559432	63559597	1	-0.095613	7	0.00074	0.0051	0.13071	0.22632	0.002702912	Intergenic	NA	NA
19	63631164	63631383	1	-0.15064	7	0.00078	0.0075	0.29202	0.44266	0.002840382	Intergenic	NA	NA
19	63899090	63899230	1	-0.124477	5	0.0016	0.0031	0.15256	0.27704	0.005100053	Intergenic	NA	NA
19	63956380	63956673	1	-0.119161	12	0.0022	0.0097	0.32409	0.44325	0.006578104	Intergenic	NA	NA
19	63964455	63964663	1	-0.213045	5	5.50E-06	0.00028	0.13836	0.35141	4.78E-05	Intergenic	NA	NA
19	63995392	63995715	1	-0.066004	6	0.022	0.018	0.1767	0.24271	0.043064669	Intergenic	NA	NA
19	63999147	63999184	1	-0.088341	5	0.0094	0.039	0.35582	0.44416	0.021723038	Intergenic	NA	NA
19	64013885	64014042	0.18	-0.193165	10	6.50E-10	5.70E-07	0.14678	0.33995	2.28E-08	Intergenic	NA	NA
19	64087034	64087294	1	-0.147619	11	1.00E-06	0.00029	0.10704	0.25466	1.18E-05	Intergenic	NA	NA
19	64089356	64089430	1	-0.120375	8	0.0044	0.068	0.13449	0.25486	0.011763026	Intergenic	NA	NA
19	64091922	64092080	1	-0.074304	7	0.0037	0.1	0.11854	0.19285	0.010204935	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	64150158	64150312	1	-0.165702	8	1.60E-05	9.10E-05	0.18404	0.34974	0.000115757	Intergenic	NA	NA
19	64226716	64226825	1	-0.192035	8	6.30E-05	0.00067	0.32424	0.51628	0.000354102	Intragenic	NM_001044259	Fbxo31
19	64244073	64244262	1	-0.165235	5	0.00012	0.0017	0.044078	0.20931	0.000603617	Intragenic	NM_001044259	Fbxo31
19	64244504	64244550	1	-0.31872	5	3.90E-05	7.10E-05	0.24708	0.56579	0.000237659	Intragenic	NM_001044259	Fbxo31
19	64351500	64351689	1	-0.165235	5	0.00012	0.0017	0.044078	0.20931	0.000603617	Intragenic	NM_001044259	Fbxo31
19	64351931	64351977	1	-0.31872	5	3.90E-05	7.10E-05	0.24708	0.56579	0.000237659	Intragenic	NM_001044259	Fbxo31
19	64567528	64567593	1	-0.132686	5	0.00012	0.0018	0.11759	0.25028	0.000603617	Intergenic	NA	NA
19	64621530	64622070	1	-0.13664	15	7.90E-07	0.00078	0.10362	0.24026	9.79E-06	Intergenic	NA	NA
19	64646841	64647552	1	-0.132544	19	0.00024	0.0051	0.29288	0.42543	0.001064629	Intergenic	NA	NA
19	64664421	64664571	1	-0.202014	7	0.0023	0.04	0.37736	0.57937	0.00686004	Intergenic	NA	NA
19	64681285	64681360	1	-0.223187	5	0.00044	0.015	0.26111	0.4843	0.001760146	Intergenic	NA	NA
19	64690835	64691234	1	-0.193114	15	7.60E-07	0.00014	0.30064	0.49376	9.46E-06	Intergenic	NA	NA
19	64695686	64695865	1	-0.111002	5	0.0087	0.039	0.15288	0.26388	0.020391633	Intergenic	NA	NA
19	64715467	64715735	1	-0.146846	8	0.00019	0.0035	0.096986	0.24383	0.000879857	Intergenic	NA	NA
19	64726890	64727080	1	-0.105855	8	0.021	0.069	0.24859	0.35445	0.041207871	Intergenic	NA	NA
19	64768362	64768494	1	-0.281195	6	1.30E-06	2.50E-05	0.078301	0.3595	1.46E-05	Intergenic	NA	NA
19	64793879	64794216	1	-0.122809	9	2.80E-06	0.0003	0.045878	0.16869	2.79E-05	Intergenic	NA	NA
19	64799839	64800078	1	-0.141247	7	4.80E-08	8.60E-06	0.050652	0.1919	9.95E-07	Intergenic	NA	NA
19	64803689	64803740	1	-0.164068	5	0.0008	0.0055	0.11514	0.27921	0.002866309	Intergenic	NA	NA
19	64855474	64855700	1	-0.20095	5	0.00036	0.0032	0.26323	0.46418	0.001486639	Intergenic	NA	NA
19	64859697	64859921	1	-0.117155	8	2.30E-06	0.00015	0.064895	0.18205	2.36E-05	Intergenic	NA	NA
19	64870454	64870630	1	-0.137447	7	0.0051	0.14	0.35467	0.49212	0.013208341	Intergenic	NA	NA
19	65037353	65037381	1	-0.142082	5	6.20E-05	0.0018	0.52938	0.67147	0.000349462	TSS	NM_001008722	Irf8
19	65051052	65051093	1	-0.204354	5	0.0027	0.0092	0.29404	0.49839	0.007840962	Intragenic	NM_001008722	Irf8
19	65158586	65158923	1	-0.122809	9	2.80E-06	0.0003	0.045878	0.16869	2.79E-05	Intergenic	NA	NA
19	65578105	65578155	1	-0.237794	5	1.30E-05	6.80E-05	0.14819	0.38598	9.66E-05	Intergenic	NA	NA
19	65646434	65646536	1	-0.109955	5	0.017	0.037	0.21482	0.32477	0.034796287	Intergenic	NA	NA
19	65697030	65697105	1	-0.139743	5	0.0027	0.025	0.1479	0.28765	0.007840962	Intergenic	NA	NA
19	65755393	65755651	1	-0.163232	9	0.00019	0.0012	0.4923	0.65553	0.000879857	Intergenic	NA	NA
19	65796647	65796685	1	-0.091752	5	0.00048	0.0092	0.77294	0.86469	0.001881331	Intergenic	NA	NA
19	65805309	65805534	1	-0.117512	7	0.023	0.011	0.69638	0.81389	0.04441443	Intergenic	NA	NA
19	65812417	65812548	1	-0.090603	8	0.0023	0.008	0.1171	0.2077	0.00686004	Intergenic	NA	NA
19	65864368	65864456	1	-0.190474	5	0.0035	0.023	0.26621	0.45668	0.009686665	Intragenic	NM_001242627	Zfpm1
19	65864504	65864552	1	-0.219044	5	6.50E-07	3.40E-06	0.061578	0.28062	8.28E-06	Intragenic	NM_001242627	Zfpm1
19	65864862	65864901	1	-0.12636	5	3.10E-05	0.00053	0.1886	0.31496	0.000197418	Intragenic	NM_001242627	Zfpm1
19	65864947	65865079	1	-0.087699	17	9.30E-05	0.0012	0.11109	0.18985	0.000491677	Intragenic	NM_001242627	Zfpm1
19	65865110	65865183	2.70E-05	-0.124336	14	1.30E-12	8.30E-11	0.13558	0.25992	9.76E-11	Intragenic	NM_001242627	Zfpm1
19	65865320	65865352	0.037	-0.23863	5	7.30E-08	1.10E-07	0.12148	0.36011	1.35E-06	Intragenic	NM_001242627	Zfpm1
19	65865773	65865861	1	-0.095099	5	0.0087	0.038	0.41049	0.50559	0.020391633	Intragenic	NM_001242627	Zfpm1

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	65868926	65869096	1	-0.181855	5	0.008	0.058	0.35538	0.53723	0.019059477	Intergenic	NA	NA
19	66075299	66075320	1	0.065259	5	0.0038	0.0093	0.070668	0.0054094	0.010352437	TSS	NM_001077200	Piezo1
19	66229152	66229197	1	-0.203653	5	4.40E-05	0.0032	0.21662	0.42028	0.000263321	Intergenic	NA	NA
19	66623281	66623312	9.80E-06	-0.317067	8	6.90E-12	3.00E-11	0.46251	0.77958	4.25E-10	TSS	NM_031101	Rpl13
19	66693841	66694001	1	-0.13865	5	0.017	0.088	0.30707	0.44572	0.034796287	Intragenic	NM_053591	Dpep1
19	66772655	66772807	1	-0.170209	5	0.00029	0.0031	0.13219	0.3024	0.001239307	Intragenic	NM_001108455	Fanca
19	67111594	67111752	1	-0.128193	5	0.0087	0.0093	0.17357	0.30176	0.020391633	Intergenic	NA	NA
19	67187644	67189459	0.23	0.150908	24	1.70E-07	7.30E-07	0.32581	0.1749	2.66E-06	Intergenic	NA	NA
19	67245089	67245287	1	-0.146112	7	0.003	0.005	0.1556	0.30171	0.008555055	Intergenic	NA	NA
19	67258712	67258870	1	-0.128193	5	0.0087	0.0093	0.17357	0.30176	0.020391633	Intergenic	NA	NA
19	67616991	67617216	1	-0.220437	7	7.30E-05	0.008	0.18605	0.40648	0.000401851	Intergenic	NA	NA
19	67669168	67669260	1	-0.170787	7	7.80E-05	0.0083	0.17899	0.34978	0.000422981	Intergenic	NA	NA
19	67703335	67703674	1	-0.199141	11	7.50E-07	7.90E-05	0.21233	0.41147	9.35E-06	Intergenic	NA	NA
19	67777778	67778149	1	-0.130284	13	0.017	0.09	0.43449	0.56478	0.034796287	Intragenic	NM_001106196	Galnt2
19	67783300	67783483	1	-0.179526	11	5.60E-05	0.00078	0.56739	0.74692	0.000320912	Intragenic	NM_001106196	Galnt2
19	67795164	67795355	0.0055	-0.271954	10	1.60E-11	1.70E-08	0.056223	0.32818	8.51E-10	Intragenic	NM_001106196	Galnt2
19	68115391	68115502	1	-0.132902	5	0.011	0.015	0.46258	0.59549	0.02463877	Intragenic	NM_001109134	RGD1559896
19	68115557	68115721	1	-0.195602	5	5.60E-05	6.90E-06	0.076121	0.27172	0.000320912	Intragenic	NM_001109134	RGD1559896
19	68167440	68167506	1	-0.217015	5	0.00065	0.0055	0.23072	0.44774	0.002426546	Intragenic	NM_001136162	Ttc13
19	68220120	68220334	1	-0.189601	9	4.80E-06	0.00013	0.201	0.3906	4.29E-05	TSS	NM_001011711	Fam89a
19	68293819	68294037	1	-0.165712	6	0.011	0.018	0.24054	0.40625	0.02463877	Intragenic	NM_001135715	Trim67
19	68309544	68309707	1	-0.149709	5	0.023	0.058	0.39909	0.5488	0.04441443	Intergenic	NA	NA
19	68325829	68325914	1	-0.134523	6	0.005	0.018	0.29322	0.42774	0.012977322	TSS	NM_001034919	RGD1562218
19	68392139	68392211	1	-0.316654	5	8.50E-07	7.50E-06	0.14639	0.46304	1.03E-05	Intergenic	NA	NA
19	68570629	68570771	2.30E-06	-0.362363	9	5.30E-13	7.00E-12	0.070428	0.43279	4.36E-11	Intragenic	NM_175596	Disc1
19	68573894	68573957	1	-0.238535	5	0.00026	0.0092	0.32784	0.56637	0.001130807	Intragenic	NM_175596	Disc1
19	68613259	68613400	1	-0.238161	5	3.90E-05	0.00028	0.25812	0.49628	0.000237659	Intragenic	NM_175596	Disc1
19	68617980	68618036	1	-0.274966	5	2.80E-05	0.00051	0.26216	0.53713	0.000182174	Intragenic	NM_175596	Disc1
19	68763415	68763495	1	-0.154787	5	0.00011	0.00028	0.70958	0.86437	0.000565143	Intragenic	NM_175596	Disc1
19	68917680	68917934	1	-0.136732	10	0.0094	0.19	0.42593	0.56267	0.021723038	Intergenic	NA	NA
19	69112331	69112465	1	-0.121121	7	5.60E-05	0.0083	0.1624	0.28352	0.000320912	Intergenic	NA	NA
19	69203740	69203776	1	-0.065264	5	0.02	0.13	0.16733	0.2326	0.039778219	TSS	NM_001277391	Map10
19	69248100	69248469	1	-0.11049	10	0.0002	0.0082	0.13321	0.2437	0.00092049	Intergenic	NA	NA
19	69314461	69314573	1	-0.068507	7	0.013	0.078	0.083691	0.1522	0.028097302	Intergenic	NA	NA
19	69364405	69364574	1	-0.128943	6	0.005	0.0027	0.15786	0.28681	0.012977322	Intergenic	NA	NA
19	69380931	69381040	1	-0.175039	5	9.80E-05	0.00014	0.06656	0.2416	0.000512474	Intergenic	NA	NA
19	69447214	69447293	1	-0.235766	5	4.90E-07	7.60E-06	0.048947	0.28471	6.54E-06	Intergenic	NA	NA
19	69460373	69460531	1	-0.134991	5	0.021	0.015	0.45172	0.58671	0.041207871	Intergenic	NA	NA
19	69730686	69730730	1	-0.169829	5	5.60E-05	0.0018	0.10178	0.27161	0.000320912	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	70107801	70107907	1	-0.165915	5	0.025	0.13	0.33068	0.49659	0.047453009	Intergenic	NA	NA
19	70326551	70326930	0.014	-0.151004	16	1.10E-13	4.30E-08	0.061472	0.21248	1.18E-11	Intergenic	NA	NA
19	70367123	70367175	1	-0.181765	5	0.0041	0.025	0.33485	0.51661	0.01100507	Intergenic	NA	NA
19	70434655	70434779	0.098	-0.3109	7	6.60E-09	3.00E-07	0.14546	0.45636	1.72E-07	Intergenic	NA	NA
19	70434957	70435194	1	-0.104733	5	0.0012	0.015	0.065106	0.16984	0.004013471	Intergenic	NA	NA
19	70742410	70742559	1	-0.123292	8	0.00027	0.0058	0.14262	0.26591	0.001172178	Intragenic	NM_031235	Pard3
19	71067091	71067954	0.00014	-0.226035	18	1.40E-13	4.40E-10	0.1048	0.33083	1.41E-11	Intragenic	NM_031235	Pard3
19	71405252	71405353	1	-0.257335	5	0.00029	3.30E-05	0.14152	0.39885	0.001239307	Intergenic	NA	NA
19	71984311	71984413	1	-0.139852	6	1.10E-06	3.20E-06	0.069733	0.20959	1.27E-05	TSS	NM_145098	Nrp1
19	72758812	72758923	1	-0.069073	5	0.00023	0.00096	0.79994	0.86901	0.00102405	Intragenic	NM_001011561	Ccdc7
2	118255	118327	0.0002	-0.159384	12	1.50E-13	6.30E-10	0.067246	0.22663	1.50E-11	Intergenic	NA	NA
2	118334	118383	1	-0.085448	5	0.0019	0.015	0.035059	0.12051	0.005855937	Intergenic	NA	NA
2	118400	118461	1	-0.145623	8	0.00022	0.0014	0.10706	0.25268	0.000994261	Intergenic	NA	NA
2	118487	118568	1	-0.153734	5	0.00044	0.0055	0.1349	0.28864	0.001760146	Intergenic	NA	NA
2	400990	401030	1	-0.173394	7	8.30E-06	0.00049	0.25137	0.42476	6.73E-05	Intergenic	NA	NA
2	402382	402719	1	-0.078008	17	0.00093	0.0051	0.18024	0.24319	0.003255406	Intergenic	NA	NA
2	402991	403034	1	-0.126395	5	0.0022	0.024	0.15471	0.2811	0.006578104	Intergenic	NA	NA
2	536792	537010	1	-0.078733	5	0.00012	6.20E-05	0.049924	0.12866	0.000603617	Intergenic	NA	NA
2	537661	537751	1	-0.062188	5	0.00048	0.0032	0.019982	0.08217	0.001881331	Intergenic	NA	NA
2	537757	537828	1	-0.051805	5	7.80E-05	0.00014	0.005306	0.057111	0.000422981	Intergenic	NA	NA
2	889921	889986	1	-0.079175	5	0.014	0.0031	0.19657	0.27574	0.029850603	Intergenic	NA	NA
2	913570	913626	1	-0.132644	5	0.025	0.059	0.38897	0.52161	0.047453009	Intergenic	NA	NA
2	1406971	1407327	1	-0.087818	11	0.004	0.0079	0.6499	0.73772	0.010872653	Intragenic	NM_030836	Erap1
2	1492816	1493112	1	-0.147376	13	2.80E-05	0.0036	0.60474	0.75211	0.000182174	Intragenic	NM_001033715:N M_001033716:N M_053295	Cast:Cast:Cast
2	1499656	1499749	1	-0.087737	7	0.0018	0.012	0.66501	0.75274	0.005640313	Intragenic	NM_001033715:N M_001033716:N M_053295	Cast:Cast:Cast
2	2226458	2226568	1	-0.111377	5	0.02	0.088	0.45302	0.56439	0.039778219	Intergenic	NA	NA
2	5559564	5559688	1	-0.124533	12	0.0031	0.024	0.28405	0.40858	0.008829746	Intragenic	NM_031130	Nr2f1
2	5574689	5574846	0.088	0.110393	17	3.40E-05	2.70E-07	0.57694	0.46654	0.000214477	Intergenic	NA	NA
2	13196925	13197086	1	-0.050085	7	0.0083	0.11	0.78068	0.83077	0.019719474	Intergenic	NA	NA
2	14205625	14205699	1	-0.216477	7	0.00013	0.012	0.58553	0.80201	0.000648758	Intergenic	NA	NA
2	16017284	16017456	1	-0.176674	8	0.00021	0.026	0.33266	0.50933	0.000951214	Intergenic	NA	NA
2	16069429	16069768	1	-0.188935	5	0.013	0.015	0.38367	0.57261	0.028097302	Intergenic	NA	NA
2	16562784	16562905	1	-0.078618	5	0.015	0.18	0.71789	0.7965	0.031584896	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	18426907	18427029	1	-0.214249	5	0.0008	0.00052	0.056943	0.27119	0.002866309	Intragenic	NM_001170558:N M_001170559:N M_001170560:N M_053663	Vcan:Vcan:Vc an:Vcan
2	41577882	41578000	1	-0.212352	5	0.012	0.18	0.32488	0.53723	0.026435197	Intragenic	NM_017133	Thbs4
2	41803645	41804097	1	-0.118592	16	0.00044	0.00058	0.23718	0.35577	0.001760146	Intergenic	NA	NA
2	42437222	42437547	1	-0.171499	15	5.50E-06	0.0052	0.28957	0.46107	4.78E-05	TSS	NM_030850	Bhmt
2	42468329	42468477	1	-0.239375	5	7.80E-05	0.00014	0.12566	0.36503	0.000422981	TSS	NM_001014256:N M_139102	Bhmt2:Dmgd h
2	42469157	42469311	1	-0.185936	5	0.00032	0.0031	0.12984	0.31578	0.001346443	TSS	NM_001014256:N M_139102	Bhmt2:Dmgd h
2	42469359	42469748	1	-0.092698	17	2.10E-05	4.80E-05	0.17748	0.27018	0.000144949	TSS	NM_001014256:N M_139102	Bhmt2:Dmgd h
2	43090074	43090344	1	-0.286488	5	3.70E-06	7.50E-06	0.2324	0.51889	3.46E-05	Intragenic	NM_001100636	Scamp1
2	43404663	43404735	1	0.058917	5	0.0049	0.015	0.11026	0.051345	0.012753585	Intergenic	NA	NA
2	43408255	43408282	1	-0.185895	5	0.012	0.085	0.37888	0.56478	0.026435197	Intergenic	NA	NA
2	43440431	43440502	1	-0.13596	5	0.00019	0.0031	0.14172	0.27768	0.000879857	Intergenic	NA	NA
2	43871288	43871520	0.57	-0.129401	11	1.40E-09	1.80E-06	0.070303	0.1997	4.46E-08	Intragenic	NM_001108541	Wdr41
2	44282063	44282201	1	-0.165692	5	0.0094	0.038	0.26199	0.42768	0.021723038	Intergenic	NA	NA
2	44809668	44809899	1	-0.152563	11	0.001	0.027	0.46972	0.62229	0.003452169	Intergenic	NA	NA
2	44887996	44888094	1	-0.172449	5	0.0016	0.039	0.16504	0.33748	0.005100053	Intergenic	NA	NA
2	45019175	45019279	1	-0.264835	5	3.70E-06	0.00028	0.10565	0.37048	3.46E-05	Intragenic	NM_001108542	Arhgef28
2	46319669	46319817	1	-0.139194	5	0.017	0.024	0.37874	0.51793	0.034796287	Intergenic	NA	NA
2	46330425	46330573	1	-0.139194	5	0.017	0.024	0.37874	0.51793	0.034796287	Intergenic	NA	NA
2	47398347	47398579	1	-0.121349	7	0.013	0.075	0.26224	0.38359	0.028097302	Intergenic	NA	NA
2	47472532	47472585	0.16	-0.07342	9	1.20E-07	4.80E-07	0.051704	0.12512	2.01E-06	TSS	NM_001107647	Utp15
2	47473018	47473080	0.011	-0.068483	11	4.40E-09	3.40E-08	0.046203	0.11469	1.18E-07	TSS	NM_001107647	Utp15
2	47635523	47635580	1	-0.103227	5	2.40E-05	0.00013	0.17255	0.27578	0.000160049	Intergenic	NA	NA
2	47737585	47737695	1	-0.059025	5	0.0063	0.0092	0.046445	0.10547	0.015629046	Intergenic	NA	NA
2	47900489	47900635	1	-0.230605	7	6.10E-06	0.00029	0.11466	0.34527	5.24E-05	TSS	NM_001013903	Tmem171
2	48096787	48096901	1	-0.132139	5	0.00044	0.0054	0.1367	0.26884	0.001760146	TSS	NM_130747	Acot12
2	49000866	49000984	1	-0.130353	6	0.015	0.017	0.60534	0.73569	0.031584896	Intergenic	NA	NA
2	51619497	51619576	0.0022	-0.33658	5	6.30E-08	6.70E-09	0.032601	0.36918	1.18E-06	Intergenic	NA	NA
2	52032928	52033007	0.0022	-0.33658	5	6.30E-08	6.70E-09	0.032601	0.36918	1.18E-06	Intergenic	NA	NA
2	52404468	52404753	1	-0.120722	8	0.00062	0.0088	0.12896	0.24968	0.002348106	Intergenic	NA	NA
2	52727624	52727861	1	-0.195566	5	0.00015	0.0018	0.16606	0.36162	0.000724207	Intergenic	NA	NA
2	53159416	53159505	1	-0.206026	5	2.80E-05	0.0031	0.17327	0.3793	0.000182174	Intergenic	NA	NA
2	53166068	53166141	1	-0.163454	5	0.021	0.13	0.34964	0.51309	0.041207871	Intergenic	NA	NA
2	53166507	53166666	1	-0.091052	5	4.30E-06	1	0	0.091052	3.93E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	53314953	53315048	1	-0.101232	5	0.00048	0.0018	0.084475	0.18571	0.001881331	TSS	NM_053970:NM_181629	Nln:Sgtb
2	53846438	53846575	0.38	-0.256173	7	3.70E-08	1.20E-06	0.12107	0.37724	7.87E-07	Intragenic	NM_001013199	Cwc27
2	54048968	54049033	1	-0.105502	7	0.00062	5.40E-05	0.13145	0.23695	0.002348106	TSS	NM_001013199	Cwc27
2	54181579	54181633	1	-0.214826	5	0.0063	0.0017	0.50449	0.71931	0.015629046	Intergenic	NA	NA
2	54184162	54184249	1	-0.217677	5	5.60E-05	0.00014	0.27401	0.49169	0.000320912	Intergenic	NA	NA
2	55222278	55222364	1	-0.097656	5	0.015	0.18	0.72271	0.82037	0.031584896	Intergenic	NA	NA
2	55621517	55621787	0.0022	-0.172805	15	1.60E-10	6.80E-09	0.17973	0.35253	6.77E-09	Intergenic	NA	NA
2	56999803	56999872	1	-0.263413	5	0.00048	0.0053	0.18975	0.45316	0.001881331	Intergenic	NA	NA
2	58329891	58329980	1	-0.278516	5	0.00036	0.0055	0.22547	0.50398	0.001486639	Intergenic	NA	NA
2	58342120	58342315	1	-0.167365	7	1.40E-07	9.70E-05	0.076951	0.24432	2.25E-06	Intergenic	NA	NA
2	58351533	58351728	1	-0.167365	7	1.40E-07	9.70E-05	0.076951	0.24432	2.25E-06	Intergenic	NA	NA
2	59724956	59724995	1	-0.063494	5	0.00072	0.015	0.058763	0.12226	0.002634665	TSS	NM_001113328	Pde4d
2	60169342	60169430	0.49	-0.170669	6	9.30E-08	1.50E-06	0.073062	0.24373	1.64E-06	Intragenic	NM_001113329:N M_001113328:N M_001113332:N M_017032	Pde4d:Pde4d: Pde4d:Pde4d
2	60793790	60793862	1	-0.234197	5	0.00026	0.0089	0.22983	0.46402	0.001130807	Intragenic	NM_133536	Rab3c
2	62515840	62515899	1	-0.282976	5	7.40E-07	3.40E-06	0.11746	0.40043	9.26E-06	Intergenic	NA	NA
2	62600399	62600605	1	-0.189381	5	0.014	0.038	0.32294	0.51232	0.029850603	Intergenic	NA	NA
2	62720530	62720673	1	-0.060343	5	0.023	0.038	0.096803	0.15715	0.04441443	Intergenic	NA	NA
2	62729826	62729969	1	-0.059966	5	0.023	0.038	0.096652	0.15662	0.04441443	Intergenic	NA	NA
2	63357033	63357456	1	-0.125923	7	1.10E-06	0.00017	0.13018	0.2561	1.27E-05	Intragenic	NM_001008725	Il6st
2	64137419	64137675	1	-0.120084	11	0.0067	0.045	0.3486	0.46868	0.016573466	TSS	NM_022604	Esm1
2	64765476	64765643	1	-0.206003	10	5.10E-06	7.30E-06	0.11948	0.32548	4.54E-05	Intergenic	NA	NA
2	65325351	65325447	1	-0.247191	5	0.00015	0.00051	0.2619	0.50909	0.000724207	Intergenic	NA	NA
2	67733072	67733210	1	-0.05922	7	0.00045	0.0032	0.82086	0.88008	0.001798952	Intergenic	NA	NA
2	68182576	68182787	1	-0.090174	7	0.022	0.077	0.62973	0.7199	0.043064669	Intergenic	NA	NA
2	68347453	68347471	0.0021	-0.406972	5	6.30E-08	6.60E-09	0.36389	0.77086	1.18E-06	Intergenic	NA	NA
2	72829150	72829286	1	-0.129007	5	0.0053	0.038	0.57716	0.70617	0.013591571	Intergenic	NA	NA
2	74003989	74004109	1	-0.11955	5	0.0094	0.038	0.22906	0.34861	0.021723038	Intergenic	NA	NA
2	74605860	74606012	1	-0.147216	7	0.00021	0.019	0.46625	0.61347	0.000951214	Intergenic	NA	NA
2	75055951	75056033	1	-0.059357	5	0.023	0.038	0.78992	0.84927	0.04441443	Intergenic	NA	NA
2	75462420	75462598	1	-0.126236	7	0.00043	0.0083	0.18647	0.31271	0.001736911	Intergenic	NA	NA
2	75551156	75551252	1	-0.156382	5	6.20E-05	0.00098	0.10974	0.26612	0.000349462	Intragenic	NM_057146	C9
2	76165634	76165816	1	-0.163952	5	1.00E-05	0.00027	0.05913	0.22308	7.82E-05	Intergenic	NA	NA
2	76260999	76261232	1	-0.194055	11	4.40E-06	0.004	0.22814	0.42219	4.01E-05	Intragenic	NM_001108938	Egflam
2	76278208	76278317	1	-0.189695	5	0.0027	0.0092	0.22108	0.41077	0.007840962	Intragenic	NM_001108938	Egflam
2	77013999	77014149	1	-0.250326	7	2.70E-07	5.50E-05	0.23855	0.48887	3.98E-06	Intragenic	NM_001013909	Wdr70

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	77622159	77622219	1	-0.159022	5	0.0013	0.00097	0.048729	0.20775	0.004277683	TSS	NM_001106416:NM_001109177	Skp2:Lmbrd2
2	78835716	78835754	1	-0.26727	7	8.80E-07	3.00E-05	0.35315	0.62042	1.06E-05	Intergenic	NA	NA
2	81673745	81673805	1	-0.053935	5	0.017	0.025	0.89383	0.94777	0.034796287	Intergenic	NA	NA
2	82096191	82096250	1	-0.150408	5	0.00032	0.00098	0.17284	0.32325	0.001346443	Intergenic	NA	NA
2	82131741	82131794	0.49	-0.191652	5	4.20E-07	1.50E-06	0.48956	0.68121	5.76E-06	Intergenic	NA	NA
2	82166122	82166238	1	-0.2469	5	1.20E-05	0.00052	0.13134	0.37824	9.15E-05	Intergenic	NA	NA
2	82229618	82229752	1	-0.216954	5	0.00044	0.0093	0.27705	0.49401	0.001760146	Intragenic	NM_022940	Pdzd2
2	82276429	82276612	1	-0.17068	5	0.002	0.0018	0.15793	0.32861	0.006079939	Intragenic	NM_022940	Pdzd2
2	82276917	82277011	1	-0.12698	5	3.70E-06	3.40E-05	0.038448	0.16543	3.46E-05	Intragenic	NM_022940	Pdzd2
2	83707542	83707630	1	-0.140327	5	0.0063	0.088	0.56627	0.7066	0.015629046	Intragenic	NM_001107653	Slc45a2
2	83729634	83729770	1	-0.162723	5	0.0038	0.059	0.17478	0.33751	0.010352437	Intragenic	NM_012816	Amacr
2	84092426	84092503	1	-0.201558	5	0.0016	0.015	0.22076	0.42231	0.005100053	Intragenic	NM_001011947	Rai14
2	87957433	87957594	1	-0.094842	5	0.023	0.13	0.6439	0.73874	0.04441443	Intergenic	NA	NA
2	89483955	89484120	1	-0.066191	5	0.013	0.038	0.7407	0.8069	0.028097302	Intergenic	NA	NA
2	89898767	89898980	1	-0.081819	5	0.0094	0.0018	0.64374	0.72556	0.021723038	Intergenic	NA	NA
2	92542145	92542435	1	-0.108583	5	0.0045	0.0054	0.72998	0.83856	0.011905878	Intergenic	NA	NA
2	95125878	95125960	1	-0.100166	7	0.0076	0.026	0.59651	0.69668	0.018313455	Intergenic	NA	NA
2	97745991	97746058	1	-0.190561	5	0.00048	0.009	0.21212	0.40268	0.001881331	Intragenic	NM_001107657	Myo10
2	97785750	97785998	1	-0.143188	13	8.50E-06	2.40E-05	0.17825	0.32143	6.88E-05	Intragenic	NM_001107657	Myo10
2	97886490	97886633	0.00014	-0.216376	13	9.90E-13	4.30E-10	0.12676	0.34314	7.63E-11	Intragenic	NM_001034912	Fam134b
2	97930270	97930364	0.09	-0.18637	5	2.40E-07	2.80E-07	0.050646	0.23702	3.57E-06	Intragenic	NM_001034912	Fam134b
2	97978646	97978748	1	-0.125727	12	3.60E-08	2.50E-05	0.11709	0.24282	7.75E-07	TSS	NM_001009652	Zfp622
2	99380885	99380967	1	-0.091154	5	0.0019	0.0053	0.74101	0.83217	0.005855937	Intergenic	NA	NA
2	100169296	100169346	1	-0.095709	5	0.0094	0.039	0.72723	0.82294	0.021723038	Intergenic	NA	NA
2	100366547	100366661	1	-0.269197	5	2.90E-06	3.20E-05	0.12919	0.39838	2.84E-05	Intergenic	NA	NA
2	100955805	100955858	1	-0.154879	5	5.00E-05	0.00096	0.57832	0.7332	0.000291675	Intergenic	NA	NA
2	101230856	101230900	1	-0.124358	5	0.008	0.0092	0.10086	0.22522	0.019059477	Intergenic	NA	NA
2	102276403	102276513	1	-0.114209	5	0.0014	0.0092	0.595	0.70921	0.004540837	Intergenic	NA	NA
2	104034856	104034964	1	-0.113256	5	0.023	0.038	0.57461	0.68787	0.04441443	Intragenic	NM_001191565	Ankrd33b
2	104034973	104035077	1	-0.187043	5	0.00017	0.0031	0.1124	0.29944	0.000806192	Intragenic	NM_001191565	Ankrd33b
2	108504099	108504156	1	-0.226931	5	0.00072	0.0054	0.577	0.80393	0.002634665	Intergenic	NA	NA
2	108505193	108505265	1	-0.171264	5	0.0032	0.025	0.68877	0.86003	0.008990975	Intergenic	NA	NA
2	108508404	108508497	1	-0.327868	9	1.90E-06	1.00E-05	0.33431	0.66217	2.01E-05	Intergenic	NA	NA
2	108639740	108639812	1	-0.149578	5	0.013	0.088	0.71045	0.86003	0.028097302	Intergenic	NA	NA
2	108750391	108750463	1	-0.209047	5	2.80E-05	3.30E-05	0.62906	0.83811	0.000182174	Intergenic	NA	NA
2	112918025	112918121	1	-0.162192	7	9.00E-06	2.30E-05	0.1478	0.30999	7.26E-05	Intergenic	NA	NA
2	113851243	113851386	1	-0.115107	5	0.011	0.059	0.45774	0.57284	0.02463877	Intergenic	NA	NA
2	114286419	114286484	1	-0.293186	5	1.30E-05	7.40E-06	0.27703	0.57021	9.66E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	114751948	114752107	1	-0.229664	5	0.00097	0.0052	0.2081	0.43777	0.003366009	TSS	NM_001106421	Tpd52
2	115451568	115452136	1	-0.059441	17	0.011	0.016	0.65481	0.71425	0.02463877	Intergenic	NA	NA
2	116640934	116641117	1	-0.102251	6	0.015	0.027	0.25493	0.35718	0.031584896	Intergenic	NA	NA
2	117434676	117434712	1	-0.136613	5	0.00019	0.0032	0.35532	0.49193	0.000879857	Intergenic	NA	NA
2	124367044	124367136	1	-0.184183	5	0.0027	0.0091	0.32066	0.50485	0.007840962	Intergenic	NA	NA
2	127768920	127769083	1	-0.099537	5	0.0063	0.059	0.57769	0.67723	0.015629046	Intergenic	NA	NA
2	128670863	128670924	1	-0.105648	5	0.011	0.0087	0.62003	0.72567	0.02463877	Intergenic	NA	NA
2	130811206	130811312	1	-0.052258	5	0.023	0.086	0.75488	0.80714	0.04441443	Intragenic	NM_053868	Nlgn1
2	132560547	132560814	1	-0.073585	11	0.024	0.045	0.68665	0.76024	0.046241462	Intergenic	NA	NA
2	132699995	132700162	1	-0.134283	11	0.00084	0.004	0.18001	0.31429	0.002993559	Intergenic	NA	NA
2	132785268	132785285	1	-0.122946	5	0.00019	0.00098	0.04387	0.16682	0.000879857	TSS	NM_032075	Ghsr
2	133059714	133059805	1	-0.061151	8	0.011	0.022	0.83087	0.89202	0.02463877	TSS	NM_001191704	Fndc3b
2	133105462	133105516	1	-0.136268	5	2.40E-05	7.10E-05	0.09758	0.23385	0.000160049	Intergenic	NA	NA
2	135025981	135026066	1	-0.080572	5	0.0024	0.038	0.065448	0.14602	0.00705499	Intergenic	NA	NA
2	135034361	135034446	1	-0.074715	5	0.0029	0.038	0.065122	0.13984	0.008293503	TSS	NM_001100697	Eif5a2
2	135610369	135610511	1	-0.076389	5	0.0022	0.0054	0.050043	0.12643	0.006578104	Intergenic	NA	NA
2	137147718	137147845	0.18	-0.237857	9	1.10E-10	5.70E-07	0.22093	0.45879	4.91E-09	Intragenic	NM_001106423	Mecom
2	137269379	137269498	1	-0.160107	5	0.0094	0.024	0.37512	0.53523	0.021723038	Intragenic	NM_001106423	Mecom
2	138131104	138131195	1	-0.212909	5	0.0008	0.0054	0.14978	0.36268	0.002866309	Intergenic	NA	NA
2	138448106	138448225	1	-0.223443	7	0.00024	0.00026	0.19356	0.417	0.001064629	Intergenic	NA	NA
2	139186296	139186342	1	0.051237	5	0.0032	0.0091	0.067157	0.01592	0.008990975	TSS	NM_173152	Pex5l
2	139911732	139911821	1	-0.208675	10	0.00014	0.0019	0.54539	0.75406	0.000684451	Intergenic	NA	NA
2	140814552	140814662	1	-0.057831	5	0.019	0.0018	0.08831	0.14614	0.038322088	Intergenic	NA	NA
2	140920050	140920090	1	-0.152355	5	0.019	0.088	0.38164	0.534	0.038322088	Intergenic	NA	NA
2	141849133	141849192	1	-0.063864	5	0.016	0.088	0.69898	0.76285	0.033288089	Intergenic	NA	NA
2	142477439	142477591	1	-0.250434	7	7.50E-07	2.80E-05	0.25771	0.50815	9.35E-06	Intergenic	NA	NA
2	142477646	142477793	1	-0.102508	5	0.0049	0.0053	0.71507	0.81758	0.012753585	Intergenic	NA	NA
2	142510101	142510211	1	-0.06682	6	0.0021	0.018	0.057522	0.12434	0.006364615	Intragenic	NM_001047885	Arse
2	143263431	143263476	1	0.229635	5	0.0063	0.015	0.78918	0.55955	0.015629046	Intergenic	NA	NA
2	143263498	143263609	1	-0.093131	5	0.00059	0.0032	0.80716	0.90029	0.002242971	Intergenic	NA	NA
2	144564274	144564394	1	-0.130413	6	1.40E-05	0.0027	0.076807	0.20722	0.000103723	Intergenic	NA	NA
2	144684452	144684631	1	-0.163782	8	5.60E-05	0.0025	0.18978	0.35356	0.000320912	Intergenic	NA	NA
2	145134748	145134817	1	-0.165149	7	0.00083	0.00082	0.49623	0.66138	0.002961434	Intergenic	NA	NA
2	148414902	148416511	1	-0.112123	62	3.70E-09	5.40E-06	0.060785	0.14207	1.01E-07	Intergenic	NA	NA
2	148416548	148416673	4.10E-06	-0.092072	12	2.90E-11	1.30E-11	0.0046769	0.096749	1.44E-09	Intergenic	NA	NA
2	148416905	148417688	1	-0.058188	29	1.80E-07	7.00E-06	0.033863	0.092897	2.78E-06	Intergenic	NA	NA
2	148424643	148424766	1	-0.0582	5	0.012	0.13	0.026416	0.084615	0.026435197	Intergenic	NA	NA
2	149556780	149556932	1	0.146732	7	0.026	0.035	0.47277	0.32604	0.049234478	Intergenic	NA	NA
2	154252202	154252246	1	-0.093766	5	0.00072	0.0054	0.82682	0.92059	0.002634665	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	154252603	154252766	1	-0.09528	6	5.30E-05	0.00091	0.74748	0.84276	0.000308427	Intergenic	NA	NA
2	157839555	157839637	1	-0.07998	7	0.0029	0.026	0.69403	0.77401	0.008293503	Intergenic	NA	NA
2	158010660	158010734	1	-0.202648	5	0.008	0.005	0.56585	0.76849	0.019059477	Intergenic	NA	NA
2	158846863	158846948	1	-0.140466	5	0.0068	0.0089	0.22081	0.36127	0.016642688	Intergenic	NA	NA
2	159775758	159775828	1	-0.159286	5	0.0019	0.0032	0.49957	0.65886	0.005855937	Intragenic	NM_138526	Noct
2	160077713	160077773	1	-0.121311	5	0.00015	0.0017	0.061572	0.18288	0.000724207	Intragenic	NM_001109558	Setd7
2	160226784	160226984	1	-0.081395	9	0.002	0.011	0.10907	0.19047	0.006079939	Intragenic	NM_001107675	Maml3
2	160527368	160527430	5.10E-05	-0.118359	10	4.40E-13	1.60E-10	0.037721	0.15608	3.73E-11	Intragenic	NM_001107675	Maml3
2	160601344	160601539	1	-0.121818	5	1.20E-05	0.00014	0.054748	0.17657	9.15E-05	Intragenic	NM_001107675	Maml3
2	160609553	160609753	1	-0.082677	9	0.002	0.011	0.10907	0.19175	0.006079939	Intragenic	NM_001107675	Maml3
2	161060793	161060938	1	-0.148016	6	0.013	0.026	0.33585	0.48386	0.028097302	Intergenic	NA	NA
2	161253737	161253796	1	-0.304308	5	3.70E-06	7.00E-05	0.2665	0.5708	3.46E-05	Intergenic	NA	NA
2	161703733	161704100	1	0.167774	9	0.015	0.082	0.58255	0.41477	0.031584896	Intergenic	NA	NA
2	162385789	162385924	1	-0.168454	9	0.0002	0.017	0.25716	0.42562	0.00092049	Intragenic	NM_001107676	Proser1
2	164222233	164222391	1	-0.255028	5	3.30E-06	0.00014	0.079613	0.33464	3.16E-05	Intergenic	NA	NA
2	164236191	164236307	1	-0.172937	6	1.10E-05	2.40E-05	0.036681	0.20962	8.53E-05	Intergenic	NA	NA
2	165814308	165814390	1	-0.087444	6	0.025	0.12	0.6534	0.74084	0.047453009	Intergenic	NA	NA
2	166273752	166273875	1	-0.094929	5	0.016	0.037	0.50563	0.60056	0.033288089	Intergenic	NA	NA
2	166799995	166800071	1	-0.253275	5	4.80E-06	6.90E-05	0.30189	0.55517	4.29E-05	TSS	NM_001106434	Tm4sf1
2	166888507	166888675	1	-0.08812	5	0.025	0.18	0.22688	0.315	0.047453009	Intergenic	NA	NA
2	167797365	167797486	0.065	-0.150259	12	3.40E-06	2.00E-07	0.12177	0.27203	3.25E-05	Intergenic	NA	NA
2	168375087	168375189	1	-0.11442	5	0.023	0.088	0.14101	0.25543	0.04441443	Intergenic	NA	NA
2	168982746	168982811	1	-0.187036	5	6.50E-07	7.50E-06	0.079508	0.26654	8.28E-06	Intragenic	NM_198768	Igsf10
2	169202370	169202551	1	0.140677	7	0.02	0.19	0.71094	0.57026	0.039778219	Intergenic	NA	NA
2	171882803	171882976	1	-0.105651	6	0.017	0.039	0.59304	0.69869	0.034796287	Intergenic	NA	NA
2	172019396	172019497	1	-0.192036	5	0.0074	0.025	0.6163	0.80834	0.017853001	Intergenic	NA	NA
2	175600030	175600086	1	-0.132644	5	0.025	0.059	0.38897	0.52161	0.047453009	Intergenic	NA	NA
2	175603168	175603214	1	-0.093292	5	0.0094	0.13	0.64077	0.73406	0.021723038	Intergenic	NA	NA
2	176165256	176165343	1	-0.075938	5	0.0027	0.015	0.031028	0.10697	0.007840962	Intragenic	NM_001127530	LOC302022
2	176275520	176275553	1	-0.275108	7	7.70E-08	9.00E-05	0.48552	0.76063	1.41E-06	Intergenic	NA	NA
2	177021475	177021587	1	-0.065821	7	0.00065	0.0054	0.042756	0.10858	0.002426546	Intergenic	NA	NA
2	177509855	177510050	1	-0.060885	8	1.50E-05	0.001	0.040822	0.10171	0.000109113	Intragenic	NM_001014171	Veph1
2	177792501	177792653	1	-0.071596	7	0.026	0.11	0.8187	0.89029	0.049234478	Intergenic	NA	NA
2	177898465	177898648	1	-0.118048	9	0.006	0.0057	0.51116	0.62921	0.015096734	Intergenic	NA	NA
2	180905637	180905683	1	-0.130917	5	0.014	0.024	0.70001	0.83093	0.029850603	Intergenic	NA	NA
2	180905701	180905728	1	-0.146336	5	8.50E-07	3.40E-06	0.48936	0.6357	1.03E-05	Intergenic	NA	NA
2	180905919	180905957	1	-0.204099	5	0.00036	0.0018	0.43231	0.63641	0.001486639	Intergenic	NA	NA
2	180905969	180906042	1	-0.20715	5	0.00026	0.0017	0.38061	0.58776	0.001130807	Intergenic	NA	NA
2	180911256	180911293	1	-0.204938	5	9.80E-05	0.003	0.27479	0.47972	0.000512474	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	180916171	180916643	3.80E-06	-0.197409	32	4.70E-14	1.20E-11	0.18194	0.37935	6.64E-12	Intergenic	NA	NA
2	180917002	180917546	1	-0.17931	10	2.10E-06	4.90E-06	0.11109	0.2904	2.20E-05	Intergenic	NA	NA
2	180995548	180996002	1	-0.113825	18	7.90E-07	3.70E-05	0.1618	0.27562	9.79E-06	Intergenic	NA	NA
2	181019777	181019859	1	0.136258	5	0.014	0.038	0.74829	0.61203	0.029850603	Intergenic	NA	NA
2	181027820	181027955	1	-0.260647	11	4.30E-07	2.30E-05	0.2349	0.49554	5.89E-06	Intergenic	NA	NA
2	184383409	184383536	1	-0.056859	7	0.015	0.078	0.86009	0.91694	0.031584896	Intergenic	NA	NA
2	184590293	184590378	1	-0.10104	5	0.0058	0.015	0.66089	0.76193	0.014624129	Intergenic	NA	NA
2	184714037	184714122	1	-0.106234	5	0.0049	0.0091	0.65414	0.76037	0.012753585	Intergenic	NA	NA
2	185523432	185523648	1	-0.296541	7	1.50E-06	0.00027	0.19556	0.4921	1.65E-05	Intragenic	NM_001107681	Ppm1l
2	185524059	185524111	1	-0.203342	5	0.00072	0.059	0.11692	0.32027	0.002634665	Intragenic	NM_001107681	Ppm1l
2	186367838	186367950	1	-0.066518	5	0.023	0.039	0.10271	0.16922	0.04441443	Intergenic	NA	NA
2	191122387	191122570	1	-0.073734	9	0.022	0.06	0.61886	0.69259	0.043064669	Intergenic	NA	NA
2	193160788	193160985	1	-0.2722	7	2.60E-06	0.00044	0.26474	0.53694	2.60E-05	Intergenic	NA	NA
2	193166285	193166359	1	-0.419013	7	2.80E-08	1.60E-05	0.15376	0.57277	6.20E-07	Intergenic	NA	NA
2	196590979	196591136	1	-0.240612	5	1.90E-05	0.00028	0.24459	0.4852	0.000131674	Intergenic	NA	NA
2	197176090	197176243	0.022	-0.219688	16	2.00E-11	6.80E-08	0.48623	0.70592	1.04E-09	Intragenic	NM_001107684	Rapgef2
2	197439698	197439855	1	-0.219046	5	6.20E-05	0.00014	0.26615	0.4852	0.000349462	Intergenic	NA	NA
2	199122718	199122791	1	0.065656	6	0.014	0.027	0.93704	0.87138	0.029850603	Intergenic	NA	NA
2	200152762	200152907	1	-0.059875	8	0.00091	0.025	0.72709	0.78697	0.003192838	Intergenic	NA	NA
2	201288381	201288418	1	-0.075983	7	0.003	0.019	0.073947	0.14993	0.008555055	TSS	NM_001135717	Rbm46
2	201319582	201319696	1	-0.061864	5	0.023	0.058	0.10085	0.16271	0.04441443	TSS	NM_022280	Lrat
2	203661460	203661638	0.0072	-0.201712	9	1.80E-10	2.20E-08	0.071168	0.27288	7.51E-09	Intergenic	NA	NA
2	206033702	206033725	1	-0.162664	5	0.00065	0.015	0.40125	0.56391	0.002426546	Intergenic	NA	NA
2	206316679	206316796	1	-0.201267	5	0.0016	0.039	0.40947	0.61074	0.005100053	Intergenic	NA	NA
2	206518648	206518748	1	-0.092174	5	0.015	0.088	0.10611	0.19829	0.031584896	TSS	NM_001107701	Lrrc71
2	206526267	206526316	1	-0.089332	5	0.0016	0.024	0.094153	0.18349	0.005100053	Intragenic	NM_001134959	Pear1
2	206534469	206534796	1	-0.215571	6	0.00026	0.0016	0.12415	0.33972	0.001130807	Intragenic	NM_001134959	Pear1
2	206705346	206705380	0.00019	-0.167567	7	2.50E-10	5.90E-10	0.014147	0.18171	1.00E-08	TSS	NM_001007741:N M_001014173	Isg20l2:Rrnad 1
2	206725738	206726166	1	-0.085572	10	0.026	0.42	0.15978	0.24535	0.049234478	TSS	NM_017244	Crabp2
2	206913485	206913553	1	-0.123996	5	0.00065	0.0031	0.08373	0.20773	0.002426546	TSS	NM_030860	Mef2d
2	207107891	207107989	0.49	-0.259125	5	1.80E-07	1.50E-06	0.025781	0.28491	2.78E-06	TSS	NM_001033896	Tmem79
2	207140663	207140721	1	-0.11834	5	0.00072	0.0031	0.10276	0.2211	0.002634665	TSS	NM_001191077	Paqr6
2	207142342	207142416	1	-0.248976	5	1.50E-05	1.60E-05	0.077998	0.32697	0.000109113	TSS	NM_001191077	Paqr6
2	207210862	207210935	1	-0.218215	5	0.0087	0.059	0.40599	0.62421	0.020391633	Intragenic	NM_001012078	Sema4a
2	207256663	207256686	1	-0.111453	7	9.00E-06	0.00049	0.068362	0.17981	7.26E-05	Intragenic	NM_001002016	Lmna
2	207368825	207368940	1	-0.206028	5	4.30E-06	7.60E-06	0.0089137	0.21494	3.93E-05	Intergenic	NA	NA
2	207390859	207391261	1	-0.176301	6	0.019	0.011	0.26685	0.44316	0.038322088	Intergenic	NA	NA
2	207811816	207811909	1	-0.051959	5	0.0035	0.038	0.045474	0.097433	0.009686665	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	207866093	207866130	1	-0.219981	5	3.10E-05	0.00052	0.20798	0.42796	0.000197418	TSS	NM_012624	Pklr
2	207870829	207870938	1	-0.21424	9	2.30E-08	9.90E-06	0.14567	0.35991	5.20E-07	Intragenic	NM_012624	Pklr
2	207912251	207912466	1	-0.083658	8	0.0096	0.017	0.10219	0.18585	0.022155406	TSS	NM_001107690	Fam189b
2	207967408	207967521	1	-0.080526	7	1.00E-05	0.00028	0.062518	0.14304	7.82E-05	Intragenic	NM_001107691	Trim46
2	208009371	208009443	1	-0.142475	5	0.00015	6.90E-05	0.063185	0.20566	0.000724207	TSS	NM_053599	Efna1
2	208064914	208064975	1	-0.11525	5	0.0029	0.015	0.13755	0.2528	0.008293503	Intergenic	NA	NA
2	208081376	208081681	0.63	-0.092462	15	9.70E-08	2.00E-06	0.098031	0.19049	1.71E-06	TSS	NM_020308	Adam15
2	208188911	208189038	1	-0.163602	6	0.011	0.085	0.32385	0.48745	0.02463877	Intragenic	NM_001100976	Pbxip1
2	208258333	208258612	1	-0.052527	13	1.90E-05	0.00063	0.051039	0.10357	0.000131674	Intergenic	NA	NA
2	208411535	208411680	1	-0.153331	5	0.0087	0.039	0.14439	0.29772	0.020391633	Intragenic	NM_019315	Kcnn3
2	208703476	208703557	1	-0.128373	5	0.016	0.088	0.34599	0.47437	0.033288089	Intergenic	NA	NA
2	209185493	209185599	1	-0.147029	7	0.017	0.14	0.40797	0.555	0.034796287	Intergenic	NA	NA
2	209335561	209335734	1	-0.053987	8	4.50E-05	0.00015	0.019134	0.073121	0.000268503	TSS	NM_001007636:N M_001191607	S100a1:S100a 13
2	210338294	210338403	4.20E-06	-0.337766	8	6.90E-12	1.30E-11	0.26599	0.60376	4.25E-10	Intergenic	NA	NA
2	210338918	210339053	1	-0.190536	9	0.00013	0.0036	0.48928	0.67982	0.000648758	Intergenic	NA	NA
2	211292706	211292855	1	-0.098416	5	0.021	0.34	0.74944	0.84786	0.041207871	Intergenic	NA	NA
2	211326655	211326777	1	-0.206744	5	0.00015	0.0017	0.16718	0.37393	0.000724207	Intergenic	NA	NA
2	214982952	214983041	1	-0.107655	6	0.018	0.056	0.26091	0.36856	0.036742993	Intragenic	NM_001100985	RGD1563667
2	215205276	215205406	1	-0.326085	5	3.70E-06	3.50E-05	0.11964	0.44573	3.46E-05	Intragenic	NM_001109190	Celf3
2	215396978	215397039	1	-0.191646	5	0.0013	0.025	0.1664	0.35805	0.004277683	Intergenic	NA	NA
2	215716715	215716770	1	-0.120179	5	0.0058	0.025	0.62838	0.74856	0.014624129	Intergenic	NA	NA
2	215804820	215804926	1	-0.31157	5	5.50E-06	3.40E-05	0.14325	0.45482	4.78E-05	Intragenic	NM_001024302:N M_001014039	Lysmd1:Tnfai p8l2
2	215839201	215839215	1	-0.222574	5	0.0012	0.015	0.33901	0.56159	0.004013471	Intragenic	NM_001024302:N M_017308	Lysmd1:Sema 6c
2	215839605	215839834	6.30E-06	-0.086599	31	5.10E-14	1.90E-11	0.12748	0.21408	6.72E-12	Intragenic	NM_001024302:N M_017308	Lysmd1:Sema 6c
2	216067873	216067920	1	-0.275201	5	3.90E-05	0.00014	0.098338	0.37354	0.000237659	Intergenic	NA	NA
2	216700164	216700334	1	-0.06625	14	1.10E-07	0.00065	0.10965	0.1759	1.86E-06	Intergenic	NA	NA
2	216701109	216701152	1	-0.176932	7	1.10E-05	0.00049	0.2525	0.42944	8.53E-05	Intergenic	NA	NA
2	217304847	217304931	1	-0.123743	7	0.00018	0.0022	0.070778	0.19452	0.000849258	TSS	NM_001034012	Adamtsl4
2	217464080	217464212	1	-0.082521	6	0.0024	0.011	0.057634	0.14016	0.00705499	TSS	NM_001108559	Prpf3
2	217514815	217515005	1	-0.20516	7	0.0002	0.0044	0.35275	0.55791	0.00092049	Intergenic	NA	NA
2	217605806	217605952	1	-0.131563	6	0.01	0.025	0.37989	0.51146	0.02275947	Intragenic	NM_001025119	Plekho1
2	217613967	217614017	1	-0.208291	5	0.00044	0.0032	0.25818	0.46647	0.001760146	Intragenic	NM_172072	Vps45
2	217919818	217920050	1	-0.118114	16	8.50E-07	0.0003	0.18445	0.30256	1.03E-05	Intragenic	NM_001100836	Fcgr1a
2	218030631	218030717	1	-0.140786	5	6.30E-06	0.00014	0.20941	0.35019	5.33E-05	Intergenic	NA	NA
2	218052875	218052975	1	-0.201716	5	0.0074	0.059	0.33312	0.53484	0.017853001	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	218074638	218074772	1	-0.087936	7	0.017	0.039	0.72931	0.81725	0.034796287	Intergenic	NA	NA
2	218086824	218086934	1	-0.172157	7	3.90E-05	8.40E-05	0.08647	0.25863	0.000237659	Intergenic	NA	NA
2	218145486	218145578	1	-0.216506	5	3.30E-06	3.40E-05	0.55259	0.7691	3.16E-05	Intragenic	NM_001012080	Hfe2
2	218265808	218265834	1	-0.22753	5	4.40E-05	0.00014	0.23759	0.46512	0.000263321	Intragenic	NM_001107699	Itga10
2	218331201	218331346	1	-0.215679	5	0.00065	0.0018	0.077112	0.29279	0.002426546	Intragenic	NM_001012081	Polr3c
2	218475617	218475693	1	-0.13152	5	0.025	0.038	0.55647	0.68799	0.047453009	Intragenic	NM_031712	Pdzk1
2	218681795	218681935	1	-0.091621	6	0.001	0.04	0.1302	0.22182	0.003452169	TSS	NM_001011995	Tuba1c
2	219156454	219156530	1	-0.145542	5	0.011	0.088	0.23565	0.38119	0.02463877	Intergenic	NA	NA
2	222136523	222136609	1	-0.110237	5	0.0068	0.088	0.48739	0.59763	0.016642688	Intergenic	NA	NA
2	222268605	222268678	1	-0.182196	5	0.012	0.088	0.2625	0.44469	0.026435197	Intergenic	NA	NA
2	223507127	223507272	1	-0.164648	5	2.80E-07	3.40E-06	0.018182	0.18283	4.09E-06	Intergenic	NA	NA
2	223937526	223937559	0.49	-0.176125	5	1.50E-07	1.50E-06	0.23665	0.41277	2.38E-06	Intergenic	NA	NA
2	224138786	224138832	1	-0.093148	5	0.01	0.13	0.64225	0.7354	0.02275947	Intergenic	NA	NA
2	224139188	224139330	1	-0.169778	7	0.00054	0.0054	0.42009	0.58986	0.002077867	Intergenic	NA	NA
2	225320647	225320707	1	-0.070929	5	0.00019	0.0031	0.035579	0.10651	0.000879857	Intergenic	NA	NA
2	225456302	225456672	1	-0.070983	7	0.0056	0.0052	0.14352	0.2145	0.014333376	Intergenic	NA	NA
2	226060910	226061083	1	-0.074109	8	0.013	0.094	0.70211	0.77622	0.028097302	Intragenic	NM_139084	Magi3
2	226205976	226206199	1	-0.095593	8	0.021	0.0039	0.26582	0.36141	0.041207871	Intergenic	NA	NA
2	226680655	226680945	1	-0.22886	6	2.20E-05	0.00054	0.13821	0.36707	0.000149617	TSS	NM_001005540	Ppm1j
2	226691866	226692077	0.48	-0.132082	5	8.50E-07	1.50E-06	0.023398	0.15548	1.03E-05	TSS	NM_001106461	Rhoc
2	226808066	226808223	1	-0.145913	10	7.10E-05	0.00035	0.49342	0.63933	0.000391021	Intragenic	NM_001007639	St7l
2	228044555	228044600	1	-0.123861	5	0.0058	0.015	0.1525	0.27636	0.014624129	Intergenic	NA	NA
2	228189261	228189406	1	-0.220109	8	7.80E-07	7.60E-05	0.37447	0.59458	9.69E-06	Intragenic	NM_207586	Chia
2	229555705	229555951	1	-0.196346	13	2.90E-09	1.60E-05	0.16998	0.36633	8.18E-08	Intergenic	NA	NA
2	229830591	229830700	1	-0.087856	5	0.015	0.0055	0.11978	0.20764	0.031584896	Intergenic	NA	NA
2	230106635	230106861	1	-0.122072	8	1.70E-05	3.00E-05	0.12222	0.24429	0.000120524	Intergenic	NA	NA
2	230331901	230332020	1	-0.257219	6	7.50E-05	0.0027	0.1983	0.45552	0.000412106	Intragenic	NM_001101681	Ampd2
2	230654931	230655023	1	-0.160364	5	0.02	0.086	0.39456	0.55493	0.039778219	Intragenic	NM_001191110	Celsr2
2	230731106	230731225	1	-0.190718	5	0.0053	0.024	0.28077	0.47149	0.013591571	Intergenic	NA	NA
2	230731255	230731336	1	-0.324956	5	4.80E-06	3.30E-05	0.30008	0.62504	4.29E-05	Intergenic	NA	NA
2	231155491	231155543	1	-0.089748	5	0.021	0.18	0.14286	0.23261	0.041207871	TSS	NR_106680	Mir6314
2	231282409	231282669	1	-0.163338	9	0.0084	0.028	0.36759	0.53093	0.019933412	Intragenic	NM_001163568	Fam102b
2	233856534	233856693	1	-0.08656	5	0.0038	0.0017	0.761	0.84756	0.010352437	Intergenic	NA	NA
2	237968562	237968620	1	0.054653	5	0.0053	0.015	0.95787	0.90321	0.013591571	Intragenic	NM_001107720	Plppr5
2	239133661	239133735	1	-0.184994	5	0.00021	0.0031	0.40293	0.58793	0.000951214	Intragenic	NM_001012083	Snx7
2	240252810	240252968	1	-0.115084	5	0.0035	0.0017	0.57314	0.68823	0.009686665	Intragenic	NM_031027	Dpyd
2	242917611	242917724	1	-0.180941	5	9.20E-06	0.00014	0.085615	0.26656	7.32E-05	Intragenic	NM_001014176	Alg14
2	243107177	243107384	1	-0.147199	5	0.0074	0.024	0.085905	0.2331	0.017853001	Intragenic	NM_001013914	Slc44a3
2	243671749	243671860	1	-0.282947	5	3.10E-05	0.0032	0.4345	0.71744	0.000197418	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	243848920	243849258	1	-0.205436	8	6.30E-08	5.40E-06	0.09783	0.30327	1.18E-06	Intergenic	NA	NA
2	246019972	246020038	1	-0.184014	5	0.00044	0.0054	0.29026	0.47428	0.001760146	Intragenic	NM_001107722	Bcar3
2	246142495	246142582	0.11	-0.271625	6	3.90E-07	3.30E-07	0.13622	0.40784	5.46E-06	TSS	NM_001039609	Fnbp1l
2	246270849	246271001	1	-0.116498	7	0.00033	0.0053	0.58675	0.70325	0.001385608	Intragenic	NM_133584	Pde5a
2	246780433	246780682	1	-0.198619	5	0.0032	0.015	0.13524	0.33386	0.008990975	Intergenic	NA	NA
2	247409242	247409365	1	-0.097337	5	0.0094	0.088	0.266	0.36334	0.021723038	Intergenic	NA	NA
2	248525542	248526008	1	-0.093851	9	0.0024	0.0057	0.089735	0.18359	0.00705499	Intergenic	NA	NA
2	248526051	248526123	1	-0.129607	5	0.00054	0.0018	0.18382	0.31343	0.002077867	Intergenic	NA	NA
2	248739721	248739944	1	-0.105806	7	0.013	0.14	0.20884	0.31464	0.028097302	Intragenic	NM_001191849	Ndst4
2	249526811	249526963	1	-0.163345	7	4.20E-05	0.0022	0.45046	0.61381	0.00025452	Intragenic	NM_001047887	Arsj
2	249533414	249533566	1	-0.163287	7	4.20E-05	0.0022	0.45046	0.61375	0.00025452	Intragenic	NM_001047887	Arsj
2	250779615	250779802	1	-0.191547	6	0.00014	0.0027	0.14586	0.33741	0.000684451	Intergenic	NA	NA
2	251313382	251313494	1	-0.067031	5	0.0053	0.039	0.14241	0.20944	0.013591571	Intergenic	NA	NA
2	251367099	251367191	1	-0.071164	11	2.30E-05	0.0057	0.08058	0.15174	0.000156153	Intergenic	NA	NA
2	251395531	251395781	1	-0.146879	9	5.80E-05	0.0017	0.10026	0.24714	0.000331425	Intergenic	NA	NA
2	251899648	251899722	1	-0.177185	5	2.20E-05	0.0018	0.087564	0.26475	0.000149617	Intergenic	NA	NA
2	252943360	252943387	1	-0.058365	5	0.0024	0.0018	0.0026863	0.061051	0.00705499	TSS	NM_001042505	Pitx2
2	252946794	252946937	1	-0.051504	5	0.025	0.015	0.082236	0.13374	0.047453009	Intragenic	NM_019334:NM_001042505	Pitx2:Pitx2
2	254245761	254245789	1	-0.171898	5	4.30E-06	0.00028	0.17789	0.34979	3.93E-05	Intergenic	NA	NA
2	254579592	254579669	1	-0.194978	5	0.0049	0.015	0.25522	0.4502	0.012753585	Intergenic	NA	NA
2	254619667	254619730	1	-0.198232	5	3.30E-06	1.60E-05	0.028896	0.22713	3.16E-05	Intergenic	NA	NA
2	254698540	254698667	1	-0.105127	5	0.021	0.025	0.59847	0.7036	0.041207871	Intergenic	NA	NA
2	254773483	254773617	1	-0.121678	5	0.00072	0.0018	0.073762	0.19544	0.002634665	Intergenic	NA	NA
2	254803941	254804070	1	-0.066329	10	6.30E-05	0.00039	0.083565	0.14989	0.000354102	Intragenic	NM_130429	Lef1
2	254850271	254850327	1	-0.261343	5	2.80E-07	3.30E-06	0.5195	0.78085	4.09E-06	Intragenic	NM_130429	Lef1
2	254935450	254935637	1	-0.200606	7	2.20E-05	0.00077	0.12383	0.32444	0.000149617	Intragenic	NM_057186	Hadh
2	256542857	256542940	1	-0.238255	7	1.20E-05	5.30E-05	0.42017	0.65843	9.15E-05	Intergenic	NA	NA
2	257199703	257199832	1	-0.106841	5	0.0087	0.0093	0.60468	0.71152	0.020391633	Intergenic	NA	NA
2	258026448	258026599	1	-0.13162	6	0.0023	0.059	0.17814	0.30976	0.00686004	Intergenic	NA	NA
2	258066312	258066427	1	-0.209369	5	0.00023	0.0018	0.18276	0.39212	0.00102405	Intergenic	NA	NA
2	258900775	258900944	1	-0.157872	8	0.0002	0.00041	0.48305	0.64092	0.00092049	Intergenic	NA	NA
2	259203697	259203815	1	-0.216558	5	1.50E-05	0.00027	0.18905	0.40561	0.000109113	Intragenic	NM_001031655	Manba
2	259203907	259204117	1	-0.182033	5	0.00023	0.00098	0.14974	0.33177	0.00102405	Intragenic	NM_001031655	Manba
2	259209935	259210053	1	-0.216558	5	1.50E-05	0.00027	0.18905	0.40561	0.000109113	Intragenic	NM_001031655	Manba
2	259210145	259210355	1	-0.181616	5	0.00023	0.00098	0.14974	0.33136	0.00102405	Intragenic	NM_001031655	Manba
2	259408898	259409062	1	-0.187919	11	6.90E-07	0.00027	0.23562	0.42354	8.73E-06	Intragenic	NM_001276711	Nfkb1
2	259511597	259511760	1	-0.183463	5	0.0058	0.015	0.15622	0.33968	0.014624129	Intergenic	NA	NA
2	261771375	261771491	1	-0.188633	5	0.0027	0.0092	0.33883	0.52746	0.007840962	TSS	NM_001108568	Dapp1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	261880569	261880687	1	-0.096791	8	0.017	0.063	0.60906	0.70586	0.034796287	Intergenic	NA	NA
2	262342899	262342959	1	-0.153896	5	0.0068	0.039	0.29887	0.45277	0.016642688	Intergenic	NA	NA
2	262603936	262604024	1	-0.120992	5	0.02	0.059	0.32234	0.44333	0.039778219	Intragenic	NM_001004090	Tspan5
2	262614587	262615009	0.48	-0.302489	8	1.80E-09	1.50E-06	0.13122	0.43371	5.50E-08	Intragenic	NM_001004090	Tspan5
2	262627675	262627799	1	-0.111675	5	0.0063	0.0087	0.55013	0.66181	0.015629046	Intragenic	NM_001004090	Tspan5
2	264942059	264942213	1	-0.118494	5	0.00039	0.00096	0.052274	0.17077	0.001587612	Intergenic	NA	NA
2	266305258	266305281	1	-0.065884	5	0.0068	0.0031	0.89311	0.95899	0.016642688	Intergenic	NA	NA
2	267335716	267335793	1	-0.128942	5	0.00029	0.0053	0.62141	0.75035	0.001239307	Intragenic	NM_001105755	Pkn2
2	268868903	268869172	1	-0.165918	6	3.40E-05	0.0016	0.15989	0.3258	0.000214477	Intergenic	NA	NA
2	268931574	268931953	1	-0.121933	13	0.00034	0.00014	0.31168	0.43361	0.001424609	Intergenic	NA	NA
2	269496131	269496261	1	-0.282147	8	4.00E-08	9.90E-06	0.16717	0.44932	8.43E-07	Intragenic	NM_001107450	Clca5
2	270181407	270181458	1	-0.241943	5	5.00E-05	0.0018	0.2108	0.45274	0.000291675	Intragenic	NM_022297	Ddah1
2	270379342	270379418	1	-0.194313	5	0.00019	0.00094	0.44011	0.63442	0.000879857	Intergenic	NA	NA
2	270577956	270578066	1	-0.104128	5	0.0027	0.038	0.18629	0.29042	0.007840962	Intragenic	NM_001039005	Mcoln2
2	270886960	270886988	0.0058	-0.151107	5	6.30E-08	1.80E-08	0.023748	0.17486	1.18E-06	TSS	NM_001014177:NM_024377	Spata1:Gng5
2	272545573	272545707	1	-0.176918	7	0.00043	0.019	0.29866	0.47558	0.001736911	Intergenic	NA	NA
2	272956339	272956465	1	-0.20263	5	0.02	0.038	0.38076	0.58339	0.039778219	Intergenic	NA	NA
2	275989726	275989763	1	-0.183625	5	0.0038	0.059	0.22524	0.40886	0.010352437	Intragenic	NM_001037210	Gipc2
2	276215129	276215257	1	-0.274853	10	1.20E-06	0.00025	0.4531	0.72795	1.37E-05	Intergenic	NA	NA
2	276239384	276239472	1	-0.186664	5	0.00017	0.0017	0.16682	0.35348	0.000806192	Intergenic	NA	NA
2	276807543	276807606	1	-0.137842	5	0.023	0.087	0.49606	0.6339	0.04441443	Intragenic	NM_001271361	St6galnac5
2	277698806	277698868	1	-0.272715	5	7.00E-05	3.30E-05	0.30666	0.57938	0.000386221	Intragenic	NM_001271361	St6galnac5
2	277908675	277908766	1	-0.275667	5	0.00017	0.00053	0.2002	0.47587	0.000806192	Intergenic	NA	NA
2	277978153	277978226	1	-0.133197	5	0.016	0.13	0.62749	0.76069	0.033288089	Intergenic	NA	NA
2	278125713	278125823	1	-0.292039	5	3.50E-05	0.00027	0.36921	0.66125	0.000218038	Intragenic	NM_019123	St6galnac3
2	278512723	278513071	1	-0.152308	5	0.0035	0.059	0.12423	0.27654	0.009686665	Intragenic	NM_019123	St6galnac3
2	278615999	278616071	0.035	-0.177716	8	2.10E-09	1.10E-07	0.058546	0.23626	6.26E-08	Intergenic	NA	NA
2	278822106	278822226	1	-0.363184	5	5.00E-05	0.00051	0.40574	0.76893	0.000291675	Intergenic	NA	NA
2	278963365	278963549	1	-0.136739	11	1.10E-05	0.00027	0.62453	0.76127	8.53E-05	Intergenic	NA	NA
2	279644547	279644728	1	-0.127369	6	0.021	0.056	0.20494	0.33231	0.041207871	Intergenic	NA	NA
2	281241227	281241275	1	-0.072502	5	0.0045	0.015	0.76765	0.84015	0.011905878	Intergenic	NA	NA
2	282303026	282303254	1	-0.076653	7	0.013	0.053	0.66268	0.73934	0.028097302	Intragenic	NM_021682	Negr1
2	282585287	282585458	1	-0.077367	8	0.013	0.093	0.48569	0.56305	0.028097302	Intergenic	NA	NA
2	282697669	282697921	1	-0.080983	5	0.0032	0.025	0.042328	0.12331	0.008990975	Intragenic	NM_012704	Ptger3
2	284035038	284035051	1	-0.052987	5	0.0013	0.0031	0.013104	0.066092	0.004277683	Intergenic	NA	NA
2	284731836	284731858	1	-0.224069	5	0.00014	0.00053	0.46948	0.69355	0.000684451	Intergenic	NA	NA
20	55847	56020	1	-0.057576	8	0.0033	0.018	0.11059	0.16817	0.009256793	Intergenic	NA	NA
20	3940220	3940281	1	-0.094698	5	0.0019	0.0018	0.12014	0.21483	0.005855937	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	4020453	4020505	1	-0.177748	5	0.0045	0.024	0.27524	0.45299	0.011905878	Intragenic	NM_031028	Gabbr1
20	4020526	4020568	1	-0.184753	5	0.0012	0.0054	0.27125	0.456	0.004013471	Intragenic	NM_031028	Gabbr1
20	4020826	4020976	2.80E-05	-0.159161	14	2.40E-13	8.60E-11	0.058044	0.2172	2.22E-11	Intragenic	NM_031028	Gabbr1
20	4021442	4021597	7.00E-14	-0.106755	19	4.60E-14	2.20E-19	0.011827	0.11858	6.64E-12	Intragenic	NM_031028	Gabbr1
20	4670155	4670482	1	-0.071686	11	0.019	0.12	0.43383	0.50551	0.038322088	Intergenic	NA	NA
20	5211850	5212015	1	-0.058947	11	0.014	0.24	0.11343	0.17238	0.029850603	Intergenic	NA	NA
20	5217735	5217900	1	-0.058947	11	0.014	0.24	0.11343	0.17238	0.029850603	TSS	NM_001002821	RT1-T18
20	5363825	5363869	1	-0.171311	5	0.00012	0.0055	0.23299	0.4043	0.000603617	Intergenic	NA	NA
20	5548450	5548535	1	-0.137589	5	9.20E-06	3.40E-05	0.051453	0.18904	7.32E-05	Intergenic	NA	NA
20	5644147	5644304	1	-0.181941	5	0.0016	0.015	0.18045	0.36239	0.005100053	Intergenic	NA	NA
20	5646507	5646901	1	-0.13265	12	4.50E-06	0.0028	0.092659	0.22531	4.09E-05	Intergenic	NA	NA
20	5651626	5652159	1	-0.112354	8	6.80E-07	5.20E-05	0.049466	0.16182	8.62E-06	TSS	NM_001166022:NM_013137	Ddr1:Ddr1
20	5771398	5771509	1	-0.147805	5	0.014	0.038	0.42112	0.56893	0.029850603	Intergenic	NA	NA
20	5793369	5793565	1	-0.139304	9	0.0026	0.0018	0.66119	0.8005	0.007616821	Intergenic	NA	NA
20	5851682	5851749	1	-0.240587	5	7.00E-05	0.00014	0.20114	0.44173	0.000386221	Intergenic	NA	NA
20	5908734	5908751	1	-0.131929	5	4.80E-06	7.60E-06	0.12635	0.25828	4.29E-05	TSS	NM_212528	Col11a2
20	5944268	5944565	1	-0.142802	5	0.021	0.25	0.24901	0.39181	0.041207871	Intergenic	NA	NA
20	6103880	6104018	1	-0.17698	5	0.02	0.18	0.35079	0.52777	0.039778219	Intragenic	NM_001008846	RT1-DOb
20	6125167	6125491	1	-0.055432	5	0.0038	0.088	0.039031	0.094463	0.010352437	TSS	NM_001004084:NM_001101017	RT1-Bb:LOC688090
20	6125523	6125579	1	-0.219276	5	2.80E-05	0.0018	0.17057	0.38985	0.000182174	Intragenic	NM_001004084:NM_001101017	RT1-Bb:LOC688090
20	6257959	6258102	1	-0.084328	5	6.20E-05	0.00096	0.018036	0.10236	0.000349462	Intergenic	NA	NA
20	6458020	6458389	1	-0.14045	7	8.40E-05	9.00E-05	0.11965	0.2601	0.000451848	TSS	NM_001004070:NM_001165880	Egfl8:Egfl8
20	6474536	6474603	1	-0.111137	12	7.80E-08	5.40E-05	0.11216	0.2233	1.42E-06	Intragenic	NM_031504:NM_001013197:NM_001032285	C4a:Stk19:Prrt1
20	6486138	6486239	1	-0.119757	5	0.0022	0.039	0.14698	0.26673	0.006578104	Intragenic	NM_031504:NM_001013197	C4a:Stk19
20	6490466	6490676	1	-0.158802	6	0.0016	0.0072	0.070172	0.22897	0.005100053	TSS	NM_001002818	Fkbp1
20	6517425	6517692	1	-0.098477	28	7.90E-07	0.00031	0.16463	0.2631	9.79E-06	Intragenic	NM_031504:NM_001013197	C4a:Stk19
20	6517834	6517867	1	0.083966	5	0.013	0.088	0.2284	0.14443	0.028097302	Intragenic	NM_031504:NM_001013197	C4a:Stk19

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	6524815	6525288	1	-0.073082	18	8.00E-05	0.0034	0.20275	0.27583	0.000432266	Intragenic	NM_031504:NM_001013197	C4a:Stk19
20	6527853	6527934	1	-0.206563	5	0.00021	7.00E-05	0.27458	0.48115	0.000951214	Intragenic	NM_031504:NM_001013197	C4a:Stk19
20	6530012	6530068	1	0.115762	7	0.00029	0.00046	0.8261	0.71034	0.001239307	Intragenic	NM_031504:NM_001013197	C4a:Stk19
20	6562771	6562843	1	-0.061844	10	0.0077	0.0076	0.12127	0.18312	0.018546983	TSS	NR_024118	Tnxa-ps1
20	6564300	6564464	1	-0.158137	7	0.0037	0.012	0.37245	0.53058	0.010204935	TSS	NR_024118	Tnxa-ps1
20	6613808	6613857	1	0.166632	5	0.021	0.18	0.80566	0.63903	0.041207871	Intragenic	NM_001165901:NM_212548	Nelfe:Nelfe
20	6622933	6623063	1	-0.183124	5	0.0016	0.024	0.26199	0.44511	0.005100053	TSS	NM_212466	Cfb
20	6635481	6635543	1	-0.242137	5	0.0012	0.0055	0.31817	0.5603	0.004013471	Intragenic	NM_172222	C2
20	6694115	6694347	1	-0.216542	13	6.70E-09	1.30E-05	0.29913	0.51567	1.74E-07	Intragenic	NM_031522	Neu1
20	6706274	6706325	1	-0.235883	5	0.00019	0.0018	0.25631	0.4922	0.000879857	Intergenic	NA	NA
20	6707183	6707258	1	-0.170001	5	0.0011	0.0031	0.22668	0.39668	0.003737263	Intergenic	NA	NA
20	6920828	6920896	1	-0.162314	5	0.002	0.0018	0.33586	0.49818	0.006079939	Intragenic	NM_001008837:NM_001033985	RT1-CE14:RT1-CE14
20	7079104	7079146	1	-0.161563	5	3.90E-05	3.40E-05	0.075968	0.23753	0.000237659	Intragenic	NM_053292	Vars
20	7096472	7096607	1	-0.261435	11	7.50E-07	0.00091	0.46056	0.722	9.35E-06	Intragenic	NM_212536	Msh5
20	7124249	7124383	1	-0.134538	7	0.00078	0.0052	0.16266	0.2972	0.002840382	TSS	NM_212532:NM_001165936	Ddah2:Ddah2
20	7167095	7167273	1	-0.176282	5	0.013	0.038	0.2455	0.42178	0.028097302	Intragenic	NM_212531	Abhd16a
20	7522288	7522512	1	-0.28117	5	2.90E-06	3.40E-05	0.20125	0.48242	2.84E-05	Intragenic	NM_212547	Rgl2
20	7535655	7535673	1	-0.070902	5	0.0094	0.087	0.13657	0.20748	0.021723038	TSS	NM_033098	Tapbp
20	7535710	7535961	0.54	-0.204716	14	4.80E-09	1.70E-06	0.19721	0.40193	1.28E-07	TSS	NM_033098	Tapbp
20	7606309	7606364	1	-0.242196	5	2.40E-05	0.00053	0.31665	0.55884	0.000160049	TSS	NM_001113409	Syngap1
20	7694338	7694502	1	-0.153242	7	0.00033	0.0034	0.1738	0.32704	0.001385608	Intergenic	NA	NA
20	7722860	7722956	1	-0.127032	5	0.00012	0.0018	0.72101	0.84805	0.000603617	Intragenic	NM_013138	Itpr3
20	7741566	7741670	1	-0.172828	5	0.00039	0.0018	0.61993	0.79276	0.001587612	Intragenic	NM_013138	Itpr3
20	7743931	7744193	0.0023	-0.152706	15	1.10E-12	7.10E-09	0.10603	0.25874	8.37E-11	Intragenic	NM_013138	Itpr3
20	7756140	7756214	1	-0.202648	5	0.0016	0.015	0.22806	0.43071	0.005100053	Intragenic	NM_013138	Itpr3
20	7756931	7757102	1	-0.24069	5	0.00048	0.0054	0.27318	0.51387	0.001881331	Intragenic	NM_013138	Itpr3
20	7842110	7842284	1	-0.161211	7	2.90E-05	0.00048	0.2154	0.37661	0.000187968	TSS	NM_013139	Clps
20	7991805	7991907	1	-0.190785	5	2.20E-05	0.00028	0.074679	0.26546	0.000149617	Intragenic	NM_031020	Mapk14
20	8354648	8354706	1	-0.128796	5	5.00E-05	0.0032	0.088239	0.21704	0.000291675	TSS	NM_001191841	Pnpla1
20	8600783	8600856	1	-0.174391	5	0.017	0.18	0.46518	0.63957	0.034796287	Intragenic	NM_080782	Cdkn1a
20	8678729	8678811	1	-0.202874	5	0.0022	0.0055	0.40912	0.612	0.006578104	Intragenic	NM_001107616	Cpne5
20	8757050	8757192	1	-0.244322	8	1.00E-06	3.00E-05	0.21454	0.45886	1.18E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	8867765	8867969	1	-0.091291	11	0.0013	0.0057	0.2148	0.30609	0.004277683	Intragenic	NM_001034188	Ppil1
20	8922421	8922521	1	-0.147478	5	0.0068	0.015	0.40989	0.55737	0.016642688	Intragenic	NM_001034188	Ppil1
20	8995534	8995656	0.089	-0.260811	11	8.10E-10	2.80E-07	0.23956	0.50037	2.75E-08	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	8999104	8999162	1	-0.131496	5	0.0016	0.0054	0.31248	0.44398	0.005100053	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	8999452	8999518	1	-0.220953	5	0.00048	0.024	0.25227	0.47322	0.001881331	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	8999584	8999638	1	-0.083937	5	0.017	0.015	0.58364	0.66758	0.034796287	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	9003498	9003577	1	-0.16304	5	0.0013	0.0055	0.15077	0.31381	0.004277683	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	9003635	9003751	1	-0.090608	5	0.0041	0.024	0.078503	0.16911	0.01100507	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	9085292	9085391	1	-0.158126	5	3.50E-05	0.00097	0.1164	0.27452	0.000218038	Intragenic	NM_001034188	Ppil1
20	9101549	9101627	1	-0.143209	8	0.0034	0.0077	0.60157	0.74478	0.009519525	Intragenic	NM_001034188	Ppil1
20	9166603	9166693	0.29	-0.155497	7	6.40E-08	8.80E-07	0.094004	0.2495	1.19E-06	Intragenic	NM_001170481	Pi16
20	9264676	9264831	0.0014	-0.179948	14	6.50E-13	4.50E-09	0.12077	0.30072	5.17E-11	Intergenic	NA	NA
20	9457588	9457640	1	-0.140276	5	0.00011	0.00053	0.10873	0.249	0.000565143	Intragenic	NM_017294	Pacsin1
20	9657901	9658177	0.18	-0.173665	9	5.10E-09	5.60E-07	0.078584	0.25225	1.35E-07	Intergenic	NA	NA
20	9664244	9664469	1	-0.251607	11	1.00E-07	5.20E-06	0.27401	0.52562	1.72E-06	Intergenic	NA	NA
20	9732527	9732617	1	-0.132781	5	0.01	0.088	0.15709	0.28987	0.02275947	Intragenic	NM_001107613	Anks1a
20	9744574	9744646	1	-0.090995	5	3.70E-06	7.60E-06	0.0061566	0.097152	3.46E-05	Intragenic	NM_001107613	Anks1a
20	9764790	9765030	1	-0.204319	7	0.002	0.036	0.21498	0.4193	0.006079939	Intragenic	NM_001107613	Anks1a
20	9803843	9803962	1	-0.177293	7	3.50E-06	5.50E-05	0.15884	0.33613	3.33E-05	Intragenic	NM_001107613	Anks1a
20	9853298	9853494	1	-0.216894	6	0.00036	0.017	0.45368	0.67058	0.001486639	Intragenic	NM_001007695	Tcp11
20	9917417	9917461	1	-0.111502	5	0.0008	0.0054	0.77561	0.88711	0.002866309	Intergenic	NA	NA
20	9918634	9918804	1	-0.145935	5	7.10E-06	0.00014	0.032284	0.17822	5.86E-05	Intergenic	NA	NA
20	9928600	9928716	1	-0.202657	5	0.0014	0.00048	0.41116	0.61381	0.004540837	Intergenic	NA	NA
20	10003902	10004220	6.00E-14	-0.163189	31	4.70E-14	1.90E-19	0.05196	0.21515	6.64E-12	Intragenic	NM_001191717	Def6
20	10006209	10006803	9.60E-09	-0.157999	33	4.70E-14	3.00E-14	0.098803	0.2568	6.64E-12	Intragenic	NM_001191717	Def6
20	10011940	10012102	1	-0.211744	6	4.90E-05	0.00031	0.26449	0.47623	0.000290925	Intergenic	NA	NA
20	10096829	10097318	1	-0.100986	11	0.0015	0.0057	0.25059	0.35157	0.004849475	TSS	NM_001191718	Fance
20	10155407	10155523	1	-0.145444	5	0.0041	0.024	0.14013	0.28558	0.01100507	Intergenic	NA	NA
20	10374390	10374479	1	-0.09437	5	0.0045	0.0018	0.18365	0.27802	0.011905878	Intergenic	NA	NA
20	10723427	10723511	1	-0.12028	5	0.0063	0.038	0.52526	0.64554	0.015629046	Intragenic	NM_001107618	Mdga1
20	10810413	10810519	1	-0.128466	5	0.021	0.088	0.22855	0.35702	0.041207871	Intergenic	NA	NA
20	10852389	10852520	1	-0.101962	7	0.002	0.019	0.17429	0.27625	0.006079939	Intergenic	NA	NA
20	11387298	11387387	1	-0.06934	5	0.017	0.0032	0.85474	0.92408	0.034796287	Intragenic	NM_001013073	Btbd9

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	11421279	11421544	1	-0.105203	10	0.015	0.04	0.3139	0.4191	0.031584896	Intragenic	NM_001013073	Btbd9
20	11539341	11539422	1	-0.161107	5	0.014	0.087	0.43109	0.59219	0.029850603	Intergenic	NA	NA
20	12046565	12046651	1	-0.185017	5	0.0019	0.0031	0.5172	0.70221	0.005855937	Intergenic	NA	NA
20	12127592	12127730	1	-0.05643	6	0.019	0.018	0.13718	0.19361	0.038322088	TSS	NM_001107620	Ubash3a
20	12284346	12284425	1	-0.247766	5	1.10E-06	3.40E-05	0.22294	0.47071	1.27E-05	Intergenic	NA	NA
20	12568808	12569140	0.36	-0.12571	17	8.10E-11	1.10E-06	0.14525	0.27096	3.69E-09	Intragenic	NM_012522	Cbs
20	12675395	12675676	0.31	-0.196909	9	1.50E-10	9.50E-07	0.078751	0.27566	6.44E-09	Intergenic	NA	NA
20	12825528	12825610	1	-0.116211	5	0.00054	0.003	0.13639	0.2526	0.002077867	Intergenic	NA	NA
20	12923150	12923260	1	-0.173922	5	1.70E-05	0.00052	0.71702	0.89095	0.000120524	Intergenic	NA	NA
20	12942803	12942933	1	-0.110007	5	0.0008	0.0031	0.028192	0.1382	0.002866309	Intragenic	NM_001127683	Hsf2bp
20	12962298	12962415	1	-0.220447	5	5.00E-05	6.70E-05	0.13685	0.3573	0.000291675	Intragenic	NM_001127683	Hsf2bp
20	13011391	13011717	1	-0.135748	9	0.00012	0.00016	0.25314	0.38889	0.000603617	Intragenic	NM_001127683	Hsf2bp
20	13136491	13136937	1	-0.155521	9	0.00022	0.0084	0.19037	0.34589	0.000994261	Intergenic	NA	NA
20	13225296	13225357	1	-0.066474	5	0.0041	0.059	0.12574	0.19222	0.01100507	Intergenic	NA	NA
20	13229092	13229294	1	-0.096826	8	5.80E-08	5.00E-06	0.03334	0.13017	1.17E-06	Intergenic	NA	NA
20	13285118	13285212	1	-0.17086	5	0.0029	0.038	0.34138	0.51224	0.008293503	TSS	NM_001106378	Agpat3
20	13300031	13300126	1	-0.24712	5	9.20E-06	0.00014	0.21515	0.46227	7.32E-05	Intragenic	NM_001106378	Agpat3
20	13556416	13556965	1	-0.09508	9	0.018	0.11	0.1177	0.21278	0.036742993	Intergenic	NA	NA
20	13565389	13565501	1	-0.157907	5	0.0058	0.037	0.27453	0.43243	0.014624129	TSS	NM_013190	Pfkl
20	13639030	13639119	1	-0.101736	5	6.20E-05	0.0018	0.050542	0.15228	0.000349462	Intragenic	NM_001011559	Trpm2
20	13909352	13909500	1	-0.092	5	0.0049	0.00053	0.091507	0.18351	0.012753585	Intergenic	NA	NA
20	13922918	13923433	1	-0.220961	14	1.00E-07	0.00015	0.23779	0.45875	1.72E-06	Intragenic	NM_001013238	Pttg1ip
20	14121245	14121417	1	-0.138057	5	2.80E-05	6.80E-05	0.059833	0.19789	0.000182174	Intergenic	NA	NA
20	14211462	14211738	1	-0.057108	15	2.20E-05	0.0053	0.087464	0.14457	0.000149617	Intragenic	NM_001111055:N M_001111056:N M_001111057:N M_012894	Adarb1:Adarb 1:Adarb1:Ada rb1
20	14303821	14303989	1	-0.186471	5	0.0074	0.037	0.24941	0.43588	0.017853001	Intergenic	NA	NA
20	14436396	14436543	1	-0.317055	5	1.70E-05	0.0018	0.2982	0.61526	0.000120524	Intragenic	NM_053489	Col18a1
20	14526198	14526477	1	-0.058751	5	0.0094	0.18	0.033715	0.092466	0.021723038	Intergenic	NA	NA
20	14526526	14526629	1	-0.128484	5	1.30E-05	0.00053	0.080267	0.20875	9.66E-05	Intergenic	NA	NA
20	14542326	14542621	1	-0.139101	12	2.50E-07	1.00E-05	0.12604	0.26514	3.70E-06	Intergenic	NA	NA
20	15827463	15827688	1	-0.102886	5	0.0008	0.015	0.073443	0.17633	0.002866309	TSS	NM_012980	Mmp11
20	15892607	15892728	1	-0.05802	5	0.0087	0.015	0.02095	0.07897	0.020391633	Intergenic	NA	NA
20	15916243	15916302	0.0055	-0.322641	5	6.30E-08	1.70E-08	0.10918	0.43182	1.18E-06	Intragenic	NM_012796	Gstt2
20	16152827	16153720	1	-0.118592	14	0.00025	0.023	0.1137	0.23229	0.001103692	TSS	NM_001106381	Susd2
20	16166634	16166703	1	-0.18507	5	0.0038	0.0055	0.16441	0.34948	0.010352437	Intergenic	NA	NA
20	16213919	16214040	1	-0.387236	6	3.20E-07	6.50E-06	0.16275	0.54999	4.57E-06	Intragenic	NM_053840	Ggt1
20	16266142	16266192	1	-0.142341	5	0.00097	0.00052	0.11167	0.25401	0.003366009	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	16415744	16415803	1	-0.147164	5	0.0024	0.059	0.32491	0.47207	0.00705499	Intergenic	NA	NA
20	16639387	16639631	1	-0.143191	5	0.008	0.18	0.12102	0.26421	0.019059477	Intergenic	NA	NA
20	16691426	16691586	1	-0.094352	10	0.00076	0.0027	0.23535	0.3297	0.002773435	Intergenic	NA	NA
20	16802358	16802404	1	-0.143137	5	0.0053	0.0018	0.20022	0.34336	0.013591571	TSS	NM_013189	Gnaz
20	16813767	16814092	1	-0.110151	8	0.00062	0.0059	0.16543	0.27558	0.002348106	Intergenic	NA	NA
20	17012801	17012893	1	-0.200534	5	0.00032	0.0055	0.31702	0.51756	0.001346443	Intergenic	NA	NA
20	17604271	17604363	1	-0.200534	5	0.00032	0.0055	0.31702	0.51756	0.001346443	Intergenic	NA	NA
20	17658626	17658738	1	-0.197163	5	0.0063	0.037	0.23772	0.43488	0.015629046	Intergenic	NA	NA
20	20492263	20492703	1	-0.195876	5	1.30E-06	3.40E-06	0.049744	0.24562	1.46E-05	Intergenic	NA	NA
20	20547188	20547241	1	-0.143949	7	4.80E-05	0.0013	0.2803	0.42425	0.000285411	Intergenic	NA	NA
20	20647431	20647482	1	-0.162163	5	0.011	0.0054	0.36646	0.52862	0.02463877	Intragenic	NM_134417	lpmk
20	20668135	20668324	1	-0.11035	10	0.00078	0.0013	0.15693	0.26728	0.002840382	Intragenic	NM_001106385	Cisd1
20	20670859	20671054	1	-0.213918	8	9.50E-07	0.0004	0.30977	0.52369	1.14E-05	Intragenic	NM_001106385	Cisd1
20	20702464	20702592	1	-0.104928	7	0.0018	0.039	0.1513	0.25623	0.005640313	Intergenic	NA	NA
20	20759306	20759416	1	-0.192192	5	0.0019	0.038	0.25047	0.44267	0.005855937	TSS	NM_031326	Tfam
20	20959986	20960167	1	-0.153971	6	6.30E-05	0.00017	0.051025	0.205	0.000354102	Intragenic	NM_001108531	Bicc1
20	20989474	20989588	0.0056	-0.272703	5	6.30E-08	1.70E-08	0.039352	0.31205	1.18E-06	Intragenic	NM_001108531	Bicc1
20	21015537	21015706	1	-0.152678	5	0.00054	0.039	0.12906	0.28174	0.002077867	Intragenic	NM_001108531	Bicc1
20	21205926	21205986	1	-0.260569	5	3.70E-06	0.00028	0.1261	0.38667	3.46E-05	Intergenic	NA	NA
20	21206194	21206265	1	-0.062323	5	0.0058	0.038	0.077278	0.1396	0.014624129	Intergenic	NA	NA
20	21816997	21817278	1	-0.195003	7	0.0029	0.013	0.25612	0.45112	0.008293503	Intergenic	NA	NA
20	21869632	21869717	1	-0.158083	5	0.014	0.087	0.48167	0.63975	0.029850603	Intergenic	NA	NA
20	21932300	21932369	1	-0.159914	5	0.02	0.18	0.46199	0.6219	0.039778219	Intergenic	NA	NA
20	21934476	21934722	1	-0.2298	5	0.00097	0.0031	0.11008	0.33988	0.003366009	Intergenic	NA	NA
20	21934768	21934832	1	-0.114611	5	0.0068	0.015	0.16198	0.27659	0.016642688	Intergenic	NA	NA
20	22088300	22088494	1	-0.162967	8	4.40E-06	0.001	0.12371	0.28668	4.01E-05	TSS	NM_031805	Ank3
20	22165601	22165660	0.0002	-0.29944	7	1.60E-10	6.10E-10	0.14919	0.44863	6.77E-09	Intragenic	NM_031805	Ank3
20	22180100	22180537	1	-0.210584	11	4.10E-07	3.30E-05	0.16307	0.37366	5.71E-06	Intragenic	NM_031805	Ank3
20	22569588	22569664	1	-0.301564	5	7.00E-05	0.0018	0.2977	0.59926	0.000386221	Intragenic	NM_031805:NM_001033984	Ank3:Ank3
20	22794523	22794596	1	-0.117237	5	0.00065	0.0018	0.12096	0.2382	0.002426546	Intragenic	NM_001107622	Rhobtb1
20	22799162	22799242	1	-0.11141	5	5.00E-05	0.00051	0.085146	0.19656	0.000291675	Intragenic	NM_001107622	Rhobtb1
20	23679467	23679769	1	-0.144981	12	1.80E-08	0.00019	0.11531	0.26029	4.21E-07	Intragenic	NM_001107624	Arid5b
20	23827741	23828043	1	-0.144981	12	1.80E-08	0.00019	0.11531	0.26029	4.21E-07	Intragenic	NM_001107624	Arid5b
20	23916760	23917010	1	-0.206613	7	0.00024	0.0053	0.29999	0.5066	0.001064629	Intragenic	NM_001107624	Arid5b
20	24084700	24084787	1	-0.187128	5	0.00014	0.0053	0.14109	0.32822	0.000684451	Intragenic	NM_001107625	Rtnk2
20	24560101	24560177	1	-0.191518	5	0.019	0.036	0.4238	0.61532	0.038322088	Intergenic	NA	NA
20	28063096	28063207	1	-0.053282	7	0.00014	1.50E-05	0.0097885	0.06307	0.000684451	Intragenic	NM_001106387	Lrrtm3
20	30745016	30745206	1	-0.075112	7	0.0059	0.037	0.56099	0.6361	0.014851341	Intragenic	NM_172062	P4ha1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	30836774	30837114	1	-0.078897	5	0.0053	0.015	0.093071	0.17197	0.013591571	Intergenic	NA	NA
20	31322509	31322556	1	-0.06924	5	0.0035	0.039	0.13462	0.20386	0.009686665	Intergenic	NA	NA
20	31387823	31387952	1	-0.214264	5	6.50E-07	1.60E-05	0.075557	0.28982	8.28E-06	Intragenic	NM_001007632	Ascc1
20	31456036	31456100	1	-0.120079	5	0.0016	0.038	0.12066	0.24073	0.005100053	TSS	NM_001108533	Spock2
20	31458310	31458591	1	-0.156358	8	0.005	0.07	0.23698	0.39333	0.012977322	TSS	NM_001108533	Spock2
20	31478942	31478998	1	-0.093665	5	0.00011	0.00099	0.86748	0.96115	0.000565143	Intragenic	NM_001108533	Spock2
20	31515307	31515458	0.019	-0.201098	10	2.30E-10	5.90E-08	0.10483	0.30593	9.34E-09	Intergenic	NA	NA
20	31555025	31555177	1	-0.159785	5	0.011	0.015	0.23315	0.39293	0.02463877	Intergenic	NA	NA
20	31672110	31672322	1	-0.177691	8	0.0096	0.037	0.34387	0.52156	0.022155406	Intragenic	NM_053644	Cdh23
20	31792769	31792814	1	-0.14811	5	3.90E-05	0.00028	0.1917	0.33981	0.000237659	Intragenic	NM_053644	Cdh23
20	31819409	31819454	1	-0.14811	5	3.90E-05	0.00028	0.1917	0.33981	0.000237659	Intragenic	NM_053644	Cdh23
20	31945199	31945352	1	-0.249897	8	1.30E-06	0.00041	0.17189	0.42179	1.46E-05	Intragenic	NM_053644	Cdh23
20	31961405	31961598	1	-0.160196	5	0.021	0.058	0.18437	0.34457	0.041207871	Intragenic	NM_053644	Cdh23
20	32021218	32021333	1	-0.223145	5	3.30E-06	1.60E-05	0.177	0.40015	3.16E-05	Intragenic	NM_053644	Cdh23
20	32122130	32122220	1	-0.136556	7	5.80E-08	4.60E-06	0.030366	0.16692	1.17E-06	Intragenic	NM_181639	Slc29a3
20	32231372	32231602	1	-0.119085	6	0.017	0.038	0.40624	0.52532	0.034796287	Intergenic	NA	NA
20	32823719	32823852	1	-0.056272	7	0.0059	0.012	0.088668	0.14494	0.014851341	TSS	NM_001106394	Nodal
20	32824135	32824443	1	-0.087303	13	0.0053	0.015	0.078987	0.15107	0.013591571	TSS	NM_001106394	Nodal
20	33111613	33111663	1	-0.050661	5	0.0074	0.023	0.05524	0.1059	0.017853001	TSS	NM_001108932	Tysnd1
20	33312121	33312235	1	-0.073206	5	0.016	0.058	0.13979	0.21299	0.033288089	Intragenic	NM_001109172	Col13a1
20	33343502	33343651	1	-0.128511	5	0.0013	0.015	0.088597	0.21711	0.004277683	Intragenic	NM_001109172	Col13a1
20	33382190	33382287	1	-0.197617	6	0.003	0.0072	0.25221	0.44983	0.008555055	Intragenic	NM_001109172	Col13a1
20	33491513	33491607	1	-0.24696	5	8.50E-07	7.40E-06	0.25437	0.50133	1.03E-05	Intergenic	NA	NA
20	34956717	34956786	0.023	-0.172545	7	3.30E-09	7.00E-08	0.13098	0.30353	9.10E-08	Intragenic	NM_012874	Ros1
20	34962613	34962682	0.023	-0.172545	7	3.30E-09	7.00E-08	0.13098	0.30353	9.10E-08	Intragenic	NM_012874	Ros1
20	36562814	36562893	1	-0.158006	5	0.00097	0.015	0.20622	0.36422	0.003366009	Intergenic	NA	NA
20	37422066	37422239	1	-0.14306	7	9.70E-06	0.00028	0.40634	0.5494	7.71E-05	Intergenic	NA	NA
20	38204991	38205102	1	-0.371446	5	1.50E-07	7.60E-06	0.26849	0.63994	2.38E-06	Intergenic	NA	NA
20	39165150	39165208	1	-0.112989	5	1.90E-05	3.40E-05	0.83786	0.95085	0.000131674	Intergenic	NA	NA
20	39332953	39332979	1	-0.065436	5	0.00072	0.00052	0.040137	0.10557	0.002634665	Intragenic	NM_001014032	Msl3l2
20	39333035	39333173	1	-0.131855	5	0.00021	0.0054	0.16912	0.30098	0.000951214	Intragenic	NM_001014032	Msl3l2
20	39710666	39711154	1	-0.15207	5	0.0049	0.039	0.43019	0.58226	0.012753585	Intergenic	NA	NA
20	42501751	42501898	1	-0.124646	5	0.011	0.18	0.39526	0.51991	0.02463877	TSS	NM_030832	Fabp7
20	44639845	44640057	1	-0.141408	9	2.90E-05	0.0012	0.33143	0.47283	0.000187968	Intergenic	NA	NA
20	45825159	45825210	1	-0.270553	5	0.0038	0.0054	0.47293	0.74348	0.010352437	Intragenic	NM_001309447	Lama4
20	45926180	45926247	1	-0.131872	6	0.00062	0.016	0.60542	0.7373	0.002348106	Intragenic	NM_001309447	Lama4
20	46166037	46166136	1	-0.242568	5	0.0027	0.038	0.27595	0.51852	0.007840962	Intragenic	NM_012755	Fyn
20	46179840	46179924	1	-0.133935	5	0.0045	0.038	0.23303	0.36697	0.011905878	Intragenic	NM_012755	Fyn
20	46214469	46214603	1	-0.216297	5	1.30E-05	0.00014	0.16654	0.38284	9.66E-05	Intragenic	NM_012755	Fyn

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	46332084	46332174	1	-0.193184	5	0.002	0.038	0.40025	0.59344	0.006079939	Intragenic	NM_012755	Fyn
20	46351812	46351987	1	-0.11273	9	7.40E-06	0.00021	0.2134	0.32613	6.09E-05	Intragenic	NM_012755	Fyn
20	46756426	46756605	1	-0.12067	9	0.0044	0.0095	0.60699	0.72766	0.011763026	Intergenic	NA	NA
20	47019115	47019194	1	-0.250328	5	5.50E-06	3.40E-06	0.14033	0.39066	4.78E-05	Intergenic	NA	NA
20	47082288	47082540	3.40E-08	-0.189821	15	4.10E-14	1.00E-13	0.049661	0.23948	6.64E-12	Intergenic	NA	NA
20	47088481	47088698	1	-0.167037	9	0.00062	0.017	0.2626	0.42964	0.002348106	Intergenic	NA	NA
20	47541649	47541686	1	-0.101583	5	2.20E-06	3.40E-05	0.057743	0.15933	2.27E-05	Intergenic	NA	NA
20	47778406	47778475	1	-0.083964	5	8.50E-07	3.40E-06	0.032788	0.11675	1.03E-05	Intergenic	NA	NA
20	47815814	47815874	1	-0.190151	5	0.0016	0.038	0.35694	0.54709	0.005100053	Intergenic	NA	NA
20	47829900	47830057	0.25	-0.193622	8	3.10E-07	7.60E-07	0.063036	0.25666	4.47E-06	Intergenic	NA	NA
20	47866988	47867063	1	-0.256963	5	1.90E-05	0.00028	0.14341	0.40038	0.000131674	TSS	NM_001098667	Zbtb24
20	48114100	48114130	1	-0.115282	5	0.00097	0.00097	0.1647	0.27999	0.003366009	TSS	NM_001106395	Foxo3
20	48137177	48137301	1	-0.16535	5	0.023	0.088	0.17987	0.34522	0.04441443	Intragenic	NM_001106395	Foxo3
20	48167022	48167094	1	-0.069247	5	0.00036	0.0032	0.039042	0.10829	0.001486639	Intragenic	NM_001106395	Foxo3
20	48168451	48168541	0.0022	-0.233021	5	6.30E-08	6.70E-09	0.0298	0.26282	1.18E-06	Intragenic	NM_001106395	Foxo3
20	48184092	48184223	1	-0.147842	5	0.0029	0.0089	0.13125	0.27909	0.008293503	Intragenic	NM_001106395	Foxo3
20	48193487	48193638	1	-0.183089	5	0.002	0.015	0.12439	0.30748	0.006079939	Intragenic	NM_001106395	Foxo3
20	48314304	48314335	1	-0.077643	5	0.0058	0.015	0.64075	0.71839	0.014624129	Intragenic	NM_001017448	Cep57l1
20	48448707	48448868	1	0.086403	7	0.0018	0.0013	0.63047	0.54407	0.005640313	Intergenic	NA	NA
20	48471716	48471788	1	-0.22258	5	0.00088	0.0091	0.28973	0.51231	0.003092094	Intergenic	NA	NA
20	48516690	48516831	1	-0.087337	11	4.20E-05	0.002	0.097732	0.18507	0.00025452	Intergenic	NA	NA
20	48638824	48639034	1	-0.182868	7	5.60E-06	1.50E-05	0.080418	0.26329	4.84E-05	Intergenic	NA	NA
20	48720406	48720505	0.21	-0.319807	5	3.70E-07	6.30E-07	0.1059	0.42571	5.21E-06	Intragenic	NM_001037656	Lace1
20	48770480	48770592	1	-0.148011	11	1.10E-08	1.20E-05	0.63981	0.78782	2.70E-07	Intragenic	NM_001037656	Lace1
20	49241640	49241792	1	-0.160024	8	3.00E-06	0.00066	0.29692	0.45694	2.93E-05	Intergenic	NA	NA
20	49342344	49342505	1	-0.142901	5	0.002	0.0031	0.14414	0.28704	0.006079939	Intragenic	NM_001107638	Scml4
20	49352500	49352642	1	-0.137717	5	0.0041	0.015	0.15023	0.28795	0.01100507	Intergenic	NA	NA
20	49385227	49385395	1	-0.156963	7	3.00E-06	5.50E-05	0.12676	0.28372	2.93E-05	Intergenic	NA	NA
20	49733505	49733744	1	-0.147697	5	0.017	0.015	0.31455	0.46225	0.034796287	Intragenic	NM_001014249	Pdss2
20	49778409	49778509	1	-0.151724	5	0.00048	0.0055	0.11422	0.26594	0.001881331	Intragenic	NM_001014249	Pdss2
20	49822090	49822177	1	-0.118988	5	7.80E-05	0.00027	0.046039	0.16503	0.000422981	Intragenic	NM_001014249	Pdss2
20	49851183	49851260	1	-0.129646	5	0.01	0.009	0.26641	0.39606	0.02275947	Intragenic	NM_001014249	Pdss2
20	49852410	49852615	0.012	-0.163076	12	7.70E-12	3.80E-08	0.034632	0.19771	4.58E-10	Intergenic	NA	NA
20	49904652	49904744	1	-0.071739	5	0.0063	0.038	0.14065	0.21239	0.015629046	Intergenic	NA	NA
20	49908654	49908727	1	-0.209041	5	7.00E-05	0.00027	0.35403	0.56307	0.000386221	Intergenic	NA	NA
20	50290805	50291027	1	-0.105683	9	0.00014	7.50E-05	0.13748	0.24317	0.000684451	Intragenic	NM_001025038	Mettl24
20	50451977	50452105	1	-0.153525	5	8.80E-05	0.0053	0.078976	0.2325	0.000466886	Intergenic	NA	NA
20	50760853	50760976	1	-0.062283	12	0.00011	0.024	0.080244	0.14253	0.000565143	Intergenic	NA	NA
20	50786731	50786880	1	-0.066213	8	0.02	0.094	0.78786	0.85407	0.039778219	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	51106143	51106359	1	-0.174576	8	0.001	0.013	0.29966	0.47424	0.003452169	Intragenic	NM_001107639	Prdm1
20	51137861	51137877	1	-0.184389	5	0.0068	0.025	0.51985	0.70423	0.016642688	Intergenic	NA	NA
20	51628540	51628784	1	-0.138718	11	1.20E-05	0.00064	0.087312	0.22603	9.15E-05	Intergenic	NA	NA
20	51749951	51750016	1	-0.131873	5	0.0029	0.0055	0.054296	0.18617	0.008293503	Intergenic	NA	NA
20	51796282	51796386	1	-0.148536	5	0.00014	0.0032	0.73415	0.88269	0.000684451	Intragenic	NM_031324	Prep
20	53059471	53060134	0.38	-0.315929	19	4.70E-11	1.20E-06	0.3002	0.61613	2.23E-09	Intergenic	NA	NA
20	56129267	56129364	1	-0.133853	7	4.50E-06	5.30E-05	0.093957	0.22781	4.09E-05	Intergenic	NA	NA
20	56167741	56167833	1	-0.106512	5	0.0022	0.039	0.63664	0.74315	0.006578104	Intergenic	NA	NA
20	56732215	56732330	1	-0.122787	5	0.0074	0.038	0.30591	0.4287	0.017853001	Intergenic	NA	NA
20	57194876	57194930	1	-0.05618	5	0.00059	0.0018	0.0097422	0.065922	0.002242971	TSS	NM_001107641	Sim1
20	57779419	57779604	1	-0.105073	9	0.0069	0.1	0.13725	0.24233	0.01685311	Intragenic	NM_001100804	Cd99
3	1707920	1708099	1	-0.202483	5	0.0058	0.088	0.41498	0.61747	0.014624129	Intergenic	NA	NA
3	1714577	1714756	1	-0.19748	5	0.0094	0.13	0.41999	0.61747	0.021723038	Intergenic	NA	NA
3	1826129	1826539	1	-0.098117	33	0.0024	0.0052	0.38647	0.43255	0.00705499	Intragenic	NM_147141:NM_001195199	Cacna1b:Cacna1b
3	1826569	1826596	1	-0.146317	5	3.10E-05	7.00E-05	0.17558	0.3219	0.000197418	Intragenic	NM_147141:NM_001195199	Cacna1b:Cacna1b
3	2367235	2367320	1	-0.239386	5	0.00088	0.0055	0.38271	0.62209	0.003092094	Intergenic	NA	NA
3	2414317	2414460	1	-0.193854	12	5.90E-05	0.0027	0.37715	0.571	0.000336659	TSS	NM_001107817:NM_001025694	Nelfb:Fam166a
3	2669866	2669909	1	-0.158726	5	0.00059	0.00091	0.53738	0.6961	0.002242971	TSS	NM_013015	Ptgds
3	2765295	2765698	1	-0.141022	6	0.025	0.027	0.35704	0.49806	0.047453009	Intragenic	NM_001106557	Edf1
3	2766679	2766728	1	-0.35331	5	1.30E-06	3.40E-05	0.18385	0.53716	1.46E-05	Intragenic	NM_001106557	Edf1
3	2782308	2782318	1	-0.153454	5	0.0029	0.00053	0.21896	0.37242	0.008293503	Intergenic	NA	NA
3	2782364	2782404	1	-0.079626	5	0.025	0.18	0.086785	0.16641	0.047453009	Intergenic	NA	NA
3	9195290	9195364	3.40E-06	-0.070955	16	4.70E-14	1.10E-11	0.059914	0.13087	6.64E-12	TSS	NM_001013135:NM_001003673	Sdccag3:Pmpca
3	9195367	9195767	1	-0.241387	34	1.60E-07	2.50E-05	0.017853	0.061359	2.51E-06	TSS	NM_001013135:NM_001003673	Sdccag3:Pmpca
3	9268876	9268981	1	-0.202346	5	0.00059	0.00098	0.2673	0.46964	0.002242971	Intragenic	NM_001105721	Notch1
3	9312203	9312397	1	-0.123984	11	7.10E-05	0.0019	0.21808	0.34206	0.000391021	TSS	NM_001105721	Notch1
3	9397386	9397453	1	-0.116526	5	0.00039	0.0055	0.054866	0.17139	0.001587612	Intragenic	NM_139104	Egfl7
3	9402761	9402812	1	-0.089164	5	0.0063	0.039	0.83635	0.92552	0.015629046	TSS	NR_031871:NR_037353	Mir126:Mir3567
3	9461364	9461626	1	-0.136882	8	3.10E-07	5.40E-06	0.049293	0.18618	4.47E-06	Intergenic	NA	NA
3	9467700	9467962	1	-0.110319	7	1.20E-06	1.70E-05	0.047168	0.15749	1.37E-05	Intergenic	NA	NA
3	9542819	9543047	1	-0.127141	7	2.00E-06	0.00029	0.047932	0.17507	2.10E-05	Intergenic	NA	NA
3	9549096	9549358	1	-0.13709	8	3.10E-07	5.40E-06	0.049293	0.18638	4.47E-06	Intergenic	NA	NA
3	10215450	10215489	4.20E-06	-0.271812	8	6.30E-12	1.30E-11	0.027417	0.29923	3.94E-10	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	10270700	10270759	1	-0.10369	5	0.0063	0.039	0.23841	0.3421	0.015629046	Intergenic	NA	NA
3	10273666	10273725	1	-0.10369	5	0.0063	0.039	0.23841	0.3421	0.015629046	Intergenic	NA	NA
3	10701427	10701537	1	-0.116392	5	0.00088	0.0018	0.57475	0.69115	0.003092094	Intergenic	NA	NA
3	10814087	10814126	4.20E-06	-0.271812	8	6.30E-12	1.30E-11	0.027417	0.29923	3.94E-10	TSS	NM_001015014	Surf6
3	10913148	10913289	1	-0.138588	5	0.0035	0.0018	0.12333	0.26191	0.009686665	Intergenic	NA	NA
3	10920988	10921166	1	-0.176246	5	0.00097	0.0054	0.14592	0.32217	0.003366009	Intragenic	NM_001106561	Cacfd1
3	11020505	11020573	1	-0.184415	5	3.90E-05	0.00028	0.26032	0.44474	0.000237659	Intragenic	NM_001109458	Fam163b
3	11264759	11265004	1	-0.242951	9	3.00E-07	4.80E-05	0.26343	0.50638	4.38E-06	Intragenic	NM_001106563	Vav2
3	11335696	11335793	1	-0.096607	8	0.0012	0.036	0.10762	0.20423	0.004013471	TSS	NM_001106563	Vav2
3	11577626	11577745	1	-0.204314	5	2.80E-05	0.00053	0.10715	0.31146	0.000182174	Intragenic	NM_012805	Rxra
3	11586171	11586262	1	-0.144602	5	0.0019	0.0054	0.10956	0.25416	0.005855937	Intragenic	NM_012805	Rxra
3	11626553	11626824	1	-0.136001	7	0.0018	0.017	0.17746	0.31346	0.005640313	Intragenic	NM_012805	Rxra
3	11645610	11645772	0.035	-0.184798	10	1.70E-09	1.10E-07	0.040929	0.22573	5.28E-08	Intragenic	NM_012805	Rxra
3	11925178	11925346	1	-0.167157	7	0.0015	0.012	0.2561	0.42326	0.004849475	Intragenic	NM_134452	Col5a1
3	11965911	11966109	1	-0.147459	8	0.022	0.16	0.42221	0.56967	0.043064669	Intergenic	NA	NA
3	11972776	11973154	1	-0.16634	7	0.0012	0.0034	0.40274	0.56908	0.004013471	Intergenic	NA	NA
3	12021615	12021779	1	-0.177222	5	0.0029	0.024	0.29613	0.47335	0.008293503	Intergenic	NA	NA
3	12218119	12218209	1	-0.221847	5	1.00E-05	0.00051	0.27413	0.49598	7.82E-05	Intergenic	NA	NA
3	12287718	12287841	1	-0.088078	5	0.0045	0.025	0.0905	0.17858	0.011905878	Intergenic	NA	NA
3	12541370	12541531	1	-0.163848	7	0.0053	0.018	0.36046	0.52431	0.013591571	Intragenic	NM_001107823	Gfi1b
3	12847621	12847753	1	-0.062303	5	0.014	0.038	0.059034	0.12134	0.029850603	TSS	NM_057109	Barhl1
3	12873747	12873879	1	-0.205946	5	0.00014	0.00014	0.030907	0.23685	0.000684451	Intragenic	NM_001127563	Cfap77
3	12952220	12952328	1	-0.155828	5	5.00E-05	0.0018	0.10471	0.26054	0.000291675	Intragenic	NM_001127563	Cfap77
3	13091339	13091405	1	-0.05786	9	1.50E-05	0.00052	0.046326	0.10419	0.000109113	Intragenic	NM_001107825	Ntng2
3	13146337	13146435	1	-0.130985	5	0.0024	0.0092	0.17501	0.306	0.00705499	TSS	NM_001107825	Ntng2
3	13146441	13146614	0.0066	-0.075055	11	4.10E-11	2.00E-08	0.030003	0.10506	1.99E-09	TSS	NM_001107825	Ntng2
3	13672029	13672186	1	-0.182504	5	0.0016	0.037	0.49878	0.68129	0.005100053	Intergenic	NA	NA
3	13750960	13751536	1	-0.097243	28	0.0036	0.095	0.48809	0.58533	0.009945103	TSS	NR_037382:NR_031933	Mir2964:Mir219-2
3	14046055	14046151	1	-0.189132	5	0.00048	0.009	0.14519	0.33432	0.001881331	Intergenic	NA	NA
3	14062888	14063251	1	-0.183605	5	0.0058	0.024	0.16434	0.34794	0.014624129	Intergenic	NA	NA
3	14120385	14120450	1	-0.190858	5	0.002	0.0018	0.40902	0.59987	0.006079939	TSS	NM_001013164	Ccbl1
3	14180531	14180625	1	-0.246444	5	9.80E-07	1.60E-05	0.17229	0.41873	1.16E-05	Intragenic	NM_001024782	Lrrc8a
3	14188681	14188852	1	-0.37484	5	4.90E-07	7.40E-06	0.14719	0.52203	6.54E-06	Intragenic	NM_001013081	Phyhd1
3	14188867	14188944	1	-0.186607	5	0.013	0.087	0.34028	0.52689	0.028097302	Intragenic	NM_001013081	Phyhd1
3	14423502	14423832	1	-0.143822	10	0.013	0.19	0.47466	0.61848	0.028097302	Intergenic	NA	NA
3	14610990	14611160	1	-0.105155	5	0.019	0.015	0.13916	0.24431	0.038322088	Intragenic	NM_001108578	Aif1l
3	14698298	14698355	1	-0.176195	5	5.00E-05	0.0018	0.23111	0.40731	0.000291675	Intergenic	NA	NA
3	14844121	14844154	0.49	-0.186977	5	1.50E-07	1.50E-06	0.22579	0.41277	2.38E-06	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	14894782	14895017	1	-0.186967	7	4.20E-05	0.0005	0.13187	0.31883	0.00025452	Intergenic	NA	NA
3	14911143	14911355	0.07	-0.062144	20	7.30E-11	2.20E-07	0.04158	0.10372	3.35E-09	Intergenic	NA	NA
3	14946979	14947130	1	-0.0606	7	0.021	0.19	0.074177	0.13478	0.041207871	Intergenic	NA	NA
3	14949594	14949802	1	-0.221398	7	0.0004	0.0034	0.27523	0.49663	0.00162337	Intergenic	NA	NA
3	14990017	14990179	1	-0.077617	9	0.0033	0.004	0.0771	0.15472	0.009256793	Intragenic	NM_001100979	RGD1311084
3	15032210	15032414	1	-0.169906	7	6.10E-06	0.00079	0.068253	0.23816	5.24E-05	Intergenic	NA	NA
3	15188136	15188348	1	-0.145417	5	0.00054	0.0054	0.099909	0.24533	0.002077867	Intragenic	NM_001107827	Usp20
3	15330494	15330551	1	-0.176195	5	5.00E-05	0.0018	0.23111	0.40731	0.000291675	Intergenic	NA	NA
3	15745605	15745708	1	-0.07073	5	0.00054	0.0017	0.068287	0.13902	0.002077867	Intergenic	NA	NA
3	15783828	15783962	0.0037	-0.368579	8	5.50E-10	1.10E-08	0.13735	0.50593	1.96E-08	Intergenic	NA	NA
3	15836079	15836285	1	-0.062011	10	0.025	0.092	0.22793	0.28995	0.047453009	Intergenic	NA	NA
3	15845983	15846119	1	-0.109077	5	0.0022	0.038	0.1075	0.21658	0.006578104	Intergenic	NA	NA
3	15993628	15993740	1	-0.181119	5	0.0058	0.058	0.30386	0.48498	0.014624129	Intragenic	NM_001107828	Gpr107
3	16266054	16266236	1	-0.109852	8	0.021	0.11	0.34493	0.45479	0.041207871	Intergenic	NA	NA
3	16287663	16287771	1	-0.155828	5	5.00E-05	0.0018	0.10471	0.26054	0.000291675	Intergenic	NA	NA
3	16454350	16454421	1	-0.124959	5	0.025	0.088	0.30817	0.43313	0.047453009	Intergenic	NA	NA
3	16467584	16467691	1	-0.309542	5	0.00036	0.0092	0.32249	0.63203	0.001486639	TSS	NM_001012349	Plpp7
3	16508349	16508482	1	0.116803	5	0.00032	0.0091	0.77782	0.66102	0.001346443	Intergenic	NA	NA
3	16715422	16715516	1	-0.13997	5	0.0027	0.058	0.27991	0.41988	0.007840962	Intragenic	NM_080689	Dnm1
3	16880747	16881154	1	-0.138709	14	8.10E-08	6.40E-05	0.12071	0.25942	1.47E-06	Intergenic	NA	NA
3	17116258	17116707	2.70E-06	-0.124679	39	4.40E-14	8.40E-12	0.10078	0.22546	6.64E-12	Intragenic	NM_001108579	Sh2d3c
3	17117172	17117223	1	-0.09688	8	7.90E-05	0.00067	0.077086	0.17397	0.000427247	Intragenic	NM_001108579	Sh2d3c
3	17126697	17126865	0.0064	-0.201891	9	4.40E-10	2.00E-08	0.14832	0.35021	1.63E-08	Intragenic	NM_001108579	Sh2d3c
3	17127238	17127285	1	-0.18637	5	0.0012	0.025	0.19308	0.37945	0.004013471	Intragenic	NM_001108579	Sh2d3c
3	17257279	17257424	1	-0.069493	5	0.013	0.038	0.10073	0.17023	0.028097302	TSS	NM_001109885	Fam129b
3	17776978	17777269	1	-0.131356	5	0.00023	0.00053	0.073769	0.20512	0.00102405	Intergenic	NA	NA
3	18017009	18017026	1	-0.067539	5	2.80E-05	0.00014	0.0054487	0.072988	0.000182174	TSS	NM_053709	Lmx1b
3	18021865	18021896	1	-0.147516	5	0.0063	0.059	0.34614	0.49366	0.015629046	Intergenic	NA	NA
3	18030419	18030531	1	-0.108846	5	0.0049	0.024	0.073771	0.18262	0.012753585	Intergenic	NA	NA
3	18306745	18307023	1	-0.100298	8	0.023	0.2	0.18499	0.28529	0.04441443	Intergenic	NA	NA
3	19773004	19773108	1	-0.052845	6	0.0054	0.016	0.1153	0.16814	0.013836205	Intergenic	NA	NA
3	19846418	19846546	1	-0.268377	7	4.50E-07	4.30E-06	0.4114	0.67978	6.15E-06	Intragenic	NM_001011965	Stom
3	19902715	19902813	1	-0.20221	5	0.0029	0.059	0.33791	0.54012	0.008293503	Intragenic	NM_053464	Srm
3	20201734	20201853	1	-0.184815	5	0.017	0.0054	0.29044	0.47525	0.034796287	TSS	NM_138710	Dab2ip
3	20224412	20224486	1	-0.054112	5	0.01	0.038	0.071081	0.12519	0.02275947	Intragenic	NM_138710	Dab2ip
3	20603861	20604017	1	-0.208912	5	0.00023	0.0018	0.15503	0.36394	0.00102405	Intergenic	NA	NA
3	20739880	20739923	1	-0.052714	5	0.0027	0.025	0.025883	0.078597	0.007840962	Intragenic	NM_001107837	Lhx6
3	20745909	20746207	1	-0.056949	7	0.017	0.056	0.1359	0.19285	0.034796287	Intergenic	NA	NA
3	21066616	21066678	1	-0.091302	9	8.80E-08	9.70E-06	0.075263	0.16656	1.57E-06	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	21067943	21068151	1	-0.098462	13	5.30E-05	0.0013	0.72096	0.81942	0.000308427	Intergenic	NA	NA
3	23346551	23346619	1	-0.201371	6	7.50E-05	9.10E-05	0.053836	0.25521	0.000412106	Intergenic	NA	NA
3	23782983	23783051	1	-0.201371	6	7.50E-05	9.10E-05	0.053836	0.25521	0.000412106	Intergenic	NA	NA
3	23788123	23788191	1	-0.201371	6	7.50E-05	9.10E-05	0.053836	0.25521	0.000412106	Intergenic	NA	NA
3	27273664	27273740	1	-0.085314	5	0.023	0.059	0.16204	0.24736	0.04441443	TSS	NM_001135761	Crb2
3	27273747	27273885	1	-0.10354	5	0.0024	0.015	0.14365	0.24719	0.00705499	TSS	NM_001135761	Crb2
3	27273984	27274023	1	-0.068493	5	0.0053	0.015	0.1414	0.2099	0.013591571	TSS	NM_001135761	Crb2
3	27274496	27274609	1	-0.23128	5	2.40E-05	0.00053	0.16807	0.39935	0.000160049	TSS	NM_001135761	Crb2
3	27291740	27291761	1	0.129628	5	0.015	0.024	0.41631	0.28668	0.031584896	Intragenic	NM_001135761	Crb2
3	27871528	27871647	1	-0.05532	7	0.01	0.038	0.091164	0.14648	0.02275947	TSS	NM_001106571	Lhx2
3	27872981	27873104	1	0.055827	10	0.00025	6.50E-05	0.075951	0.020124	0.001103692	Intragenic	NM_001106571	Lhx2
3	28063760	28063870	1	-0.271448	5	7.10E-06	6.90E-05	0.32409	0.59554	5.86E-05	Intragenic	NM_182953:NM_001277232	Nek6:Nek6
3	28695956	28695986	1	-0.168744	5	0.00019	0.00053	0.090836	0.25958	0.000879857	Intergenic	NA	NA
3	29818751	29818840	0.00024	-0.326164	8	1.90E-11	7.40E-10	0.3283	0.65446	9.88E-10	Intergenic	NA	NA
3	29854390	29854500	1	-0.138876	5	0.00039	0.0018	0.5528	0.69168	0.001587612	Intergenic	NA	NA
3	29982632	29982916	1	-0.14005	16	4.70E-05	0.006	0.21521	0.35526	0.000280297	Intergenic	NA	NA
3	33760439	33760557	1	-0.140994	6	0.026	0.084	0.4292	0.5702	0.049234478	Intragenic	NM_053902	Kynu
3	34308676	34308745	1	-0.189699	5	0.0017	0.0092	0.5383	0.728	0.005339493	Intragenic	NM_001013917	Arhgap15
3	35077358	35077419	1	-0.253743	5	9.20E-06	0.00052	0.090263	0.34401	7.32E-05	Intragenic	NM_001033701	Zeb2
3	35371768	35372203	1	-0.145911	8	0.00025	0.017	0.15591	0.30182	0.001103692	Intergenic	NA	NA
3	35595770	35595831	1	-0.088939	5	0.0017	0.024	0.10958	0.19852	0.005339493	Intergenic	NA	NA
3	35595900	35595947	1	-0.093373	5	0.0017	0.015	0.16138	0.25475	0.005339493	Intergenic	NA	NA
3	36501824	36501875	1	-0.096205	5	0.012	0.086	0.72501	0.82122	0.026435197	Intergenic	NA	NA
3	41518081	41518190	1	-0.20305	7	3.80E-06	9.70E-05	0.21977	0.42282	3.54E-05	Intergenic	NA	NA
3	43116282	43116364	1	-0.086685	5	0.0013	0.024	0.70191	0.7886	0.004277683	Intragenic	NM_001105733	Cacnb4
3	48186431	48186518	1	-0.154529	5	0.0032	0.059	0.36845	0.52298	0.008990975	Intragenic	NM_019328	Nr4a2
3	48187838	48187875	1	-0.203152	5	1.70E-06	7.60E-06	0.13097	0.33412	1.83E-05	TSS	NM_019328	Nr4a2
3	48188280	48188334	1	-0.19078	5	0.0016	0.024	0.17673	0.36751	0.005100053	TSS	NM_019328	Nr4a2
3	48482362	48482434	1	-0.248789	5	2.90E-06	3.40E-05	0.1223	0.37109	2.84E-05	Intergenic	NA	NA
3	49269284	49269334	1	-0.118184	5	0.012	0.038	0.3755	0.49368	0.026435197	Intergenic	NA	NA
3	49439912	49440036	1	-0.117905	5	0.021	0.18	0.22419	0.34209	0.041207871	Intragenic	NM_139090	Acvr1c
3	50695980	50696119	1	-0.212513	5	0.0049	0.039	0.18204	0.39455	0.012753585	Intergenic	NA	NA
3	50968622	50968682	1	-0.148948	5	5.50E-06	0.00014	0.13872	0.28767	4.78E-05	Intragenic	NM_001002854	Tanc1
3	51546890	51547096	1	-0.100977	9	0.013	0.012	0.63211	0.73309	0.028097302	Intergenic	NA	NA
3	52743921	52744039	0.58	-0.093081	9	3.90E-08	1.80E-06	0.017639	0.11072	8.27E-07	Intergenic	NA	NA
3	53509953	53510007	1	-0.22256	5	0.0013	0.037	0.37365	0.59621	0.004277683	Intergenic	NA	NA
3	53825079	53825245	1	-0.109825	7	1.10E-05	0.0014	0.12382	0.23364	8.53E-05	Intergenic	NA	NA
3	54191273	54191331	1	-0.084745	5	0.00019	0.0018	0.055674	0.14042	0.000879857	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	54191419	54191541	1	-0.156502	5	0.014	0.037	0.39081	0.54731	0.029850603	Intergenic	NA	NA
3	54360086	54360128	1	-0.11319	5	0.016	0.088	0.16115	0.27434	0.033288089	Intergenic	NA	NA
3	54662321	54662464	1	-0.134626	5	0.0053	0.0093	0.077543	0.21217	0.013591571	TSS	NM_178092	Slc4a10
3	54997896	54998112	1	-0.149493	8	3.40E-06	0.00041	0.1069	0.25639	3.25E-05	Intragenic	NM_012789	Dpp4
3	58611511	58611599	1	-0.17053	5	2.40E-05	0.0018	0.14085	0.31138	0.000160049	Intragenic	NM_001271225	Csrnp3
3	61009899	61010058	0.018	-0.288598	10	7.90E-12	5.60E-08	0.20112	0.48971	4.68E-10	Intragenic	NM_019362	Stk39
3	62306243	62306336	1	-0.279752	5	0.0032	0.015	0.45784	0.73759	0.008990975	Intragenic	NM_030827	Lrp2
3	62475875	62475942	1	-0.220948	5	1.70E-06	3.50E-05	0.13839	0.35933	1.83E-05	Intergenic	NA	NA
3	62940784	62940892	1	-0.311914	5	0.00021	0.0017	0.33373	0.64564	0.000951214	Intergenic	NA	NA
3	63213536	63213633	1	-0.124349	5	0.0068	0.039	0.18048	0.30483	0.016642688	Intragenic	NM_001191901	Myo3b
3	63383371	63383443	1	-0.120868	5	0.0041	0.00053	0.11006	0.23093	0.01100507	Intergenic	NA	NA
3	63733829	63733918	1	-0.349865	5	6.50E-07	1.50E-05	0.16236	0.51222	8.28E-06	Intergenic	NA	NA
3	64656147	64656218	1	-0.089931	5	0.021	0.088	0.10837	0.19831	0.041207871	Intergenic	NA	NA
3	64711748	64711873	1	-0.161065	9	0.001	0.0028	0.55792	0.71898	0.003452169	Intergenic	NA	NA
3	64949645	64949796	1	-0.075455	5	0.00054	0.0093	0.068004	0.14346	0.002077867	Intragenic	NM_053725	Itga6
3	64959983	64960193	1	-0.067344	9	0.0012	0.016	0.071512	0.13886	0.004013471	Intragenic	NM_053725	Itga6
3	65897941	65898116	1	-0.285943	8	1.10E-08	1.60E-05	0.1513	0.43724	2.70E-07	Intergenic	NA	NA
3	66463447	66463602	1	-0.074429	7	0.021	0.13	0.11228	0.18671	0.041207871	Intergenic	NA	NA
3	66667282	66667348	1	-0.214759	5	3.70E-06	0.00014	0.079007	0.29377	3.46E-05	Intragenic	NM_057192	Wipf1
3	67698018	67698162	1	-0.124753	5	0.023	0.18	0.12	0.24475	0.04441443	Intergenic	NA	NA
3	68064056	68064519	1	-0.125789	21	1.50E-07	0.0017	0.1951	0.32089	2.38E-06	TSS	NM_001191903	Hoxd12
3	68115842	68116062	1	-0.109717	10	0.021	0.11	0.23349	0.3432	0.041207871	Intragenic	NM_001105885	Hoxd4
3	68371204	68371308	1	-0.107736	7	0.011	0.0082	0.31124	0.41898	0.02463877	Intergenic	NA	NA
3	69080768	69080922	1	-0.254079	5	0.0022	0.024	0.1683	0.42238	0.006578104	Intergenic	NA	NA
3	69307923	69307995	1	-0.089188	5	0.00023	0.0018	0.1477	0.23689	0.00102405	TSS	NM_001127607	Ttc30b
3	69349961	69350031	1	-0.086091	5	0.0029	0.0017	0.31261	0.3987	0.008293503	TSS	NM_001029918	Ttc30a1
3	69371399	69371674	1	-0.170267	5	0.0019	0.0017	0.15298	0.32325	0.005855937	Intragenic	NM_001127481:NM_080893:NM_01127480	Pde11a:Pde11a:Pde11a
3	69726858	69726949	1	-0.197601	5	0.00026	0.0055	0.47401	0.67161	0.001130807	TSS	NM_080893	Pde11a
3	69751834	69752078	1	-0.13028	5	0.0013	0.015	0.079877	0.21016	0.004277683	Intragenic	NM_001127480:NM_012840:NM_012903	Pde11a:Cyct:Anp32a
3	69890310	69890398	1	-0.163433	5	9.20E-06	0.00014	0.19189	0.35532	7.32E-05	Intergenic	NA	NA
3	70052498	70052877	1	-0.224515	5	0.0024	0.0053	0.15195	0.37647	0.00705499	Intergenic	NA	NA
3	70596021	70596196	1	-0.164063	6	0.00046	0.0072	0.1064	0.27046	0.001836485	Intergenic	NA	NA
3	70757912	70758053	1	-0.104289	5	0.025	0.13	0.09004	0.19433	0.047453009	Intergenic	NA	NA
3	71427898	71428060	1	-0.105279	7	0.0016	0.013	0.35854	0.46382	0.005100053	Intergenic	NA	NA
3	72962279	72962416	1	-0.143928	5	0.0032	0.0053	0.2462	0.39013	0.008990975	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	75118304	75118438	1	-0.058823	5	0.02	0.015	0.72786	0.78668	0.039778219	Intergenic	NA	NA
3	78305256	78305373	1	0.288272	5	0.0063	0.015	0.69407	0.4058	0.015629046	Intragenic	NM_012717	Calcr1
3	78592109	78592142	1	-0.224276	5	0.00036	0.00053	0.21973	0.44401	0.001486639	TSS	NM_001114939	RGD1563348
3	78661681	78661772	1	-0.054696	5	0.0017	0.0093	0.051084	0.10578	0.005339493	TSS	NR_037388:NR_031876	Mir3590:Mir130a
3	78771350	78771413	1	-0.118716	5	0.0087	0.025	0.042148	0.16086	0.020391633	Intragenic	NM_001107742	Slc43a1
3	79189114	79189267	1	-0.075791	6	0.022	0.085	0.11786	0.19365	0.043064669	Intergenic	NA	NA
3	81937439	81937642	1	-0.136962	13	8.60E-07	0.00022	0.18363	0.3206	1.04E-05	Intergenic	NA	NA
3	82359499	82359548	3.30E-05	-0.165326	7	8.00E-10	1.00E-10	0.03837	0.2037	2.72E-08	Intergenic	NA	NA
3	82602042	82602111	1	-0.120726	5	0.0035	0.038	0.73556	0.85628	0.009686665	Intergenic	NA	NA
3	82877812	82877850	1	-0.069606	5	0.0012	0.015	0.83623	0.90584	0.004013471	Intergenic	NA	NA
3	83694407	83694611	0.011	-0.299885	13	1.60E-11	3.50E-08	0.25334	0.55322	8.51E-10	Intergenic	NA	NA
3	84888667	84888762	0.49	-0.251565	5	1.50E-07	1.50E-06	0.55409	0.80565	2.38E-06	Intergenic	NA	NA
3	86426055	86426184	1	-0.094574	14	0.00043	0.0031	0.22523	0.3198	0.001736911	Intragenic	NM_001107745	C1qtnf4
3	86781818	86781929	1	-0.134234	5	0.0029	0.015	0.15552	0.28975	0.008293503	TSS	NM_001009966	Pacsin3
3	87081438	87081538	1	-0.130637	5	0.00029	0.0032	0.083496	0.21413	0.001239307	Intragenic	NM_031322	Lrp4
3	87541557	87542007	1	-0.09629	17	0.00094	0.018	0.191	0.28729	0.003289453	TSS	NM_030859	Mdk
3	88104459	88104840	1	-0.072904	9	0.014	0.11	0.12077	0.19368	0.029850603	Intergenic	NA	NA
3	88134614	88135046	1	-0.167917	16	1.40E-07	0.0003	0.24288	0.4108	2.25E-06	Intergenic	NA	NA
3	88317312	88317532	1	-0.132508	6	0.0094	0.16	0.22963	0.36213	0.021723038	Intergenic	NA	NA
3	88358619	88358738	1	-0.178025	5	0.00029	0.009	0.37681	0.55483	0.001239307	Intergenic	NA	NA
3	88416310	88416481	1	-0.146401	7	1.20E-07	4.50E-06	0.05873	0.20513	2.01E-06	Intergenic	NA	NA
3	88824222	88824415	1	-0.068051	6	0.016	0.055	0.10893	0.17698	0.033288089	Intragenic	NM_001107750	Tspan18
3	88884306	88884452	1	-0.2282	5	5.60E-07	3.40E-06	0.031354	0.25955	7.29E-06	Intragenic	NM_001107750	Tspan18
3	89177854	89177939	1	-0.082045	5	0.0049	0.0093	0.09478	0.17682	0.012753585	Intergenic	NA	NA
3	89672400	89672461	0.00024	-0.18126	8	2.10E-11	7.50E-10	0.029589	0.21085	1.07E-09	Intragenic	NM_032066	Hsd17b12
3	89914188	89914447	1	-0.090177	11	0.016	0.088	0.58954	0.65234	0.033288089	Intragenic	NM_001107752	Ttc17
3	89914481	89914609	1	-0.190453	5	7.10E-06	0.00053	0.61823	0.80869	5.86E-05	Intragenic	NM_001107752	Ttc17
3	96143951	96144068	1	-0.280365	5	0.00019	0.009	0.2882	0.56856	0.000879857	Intergenic	NA	NA
3	96148890	96148964	1	-0.291817	5	3.90E-05	0.0017	0.50781	0.79963	0.000237659	Intergenic	NA	NA
3	98804490	98804584	1	-0.141548	7	1.50E-05	5.50E-05	0.68473	0.82628	0.000109113	Intragenic	NM_001013203	Trim44
3	98805118	98805187	1	-0.124024	5	0.016	0.0091	0.5676	0.69162	0.033288089	Intragenic	NM_001013203	Trim44
3	99599113	99599285	0.016	-0.181336	8	2.00E-10	4.90E-08	0.079478	0.26081	8.20E-09	Intergenic	NA	NA
3	100288856	100288962	1	-0.24108	5	3.10E-05	3.40E-05	0.1198	0.36088	0.000197418	Intragenic	NM_134403	Abtb2
3	100477615	100477744	1	-0.143407	5	0.0049	0.0053	0.16828	0.31168	0.012753585	Intergenic	NA	NA
3	100515202	100515263	1	-0.124157	5	0.0068	0.088	0.2987	0.42286	0.016642688	Intergenic	NA	NA
3	101312268	101312401	1	-0.186053	5	0.00023	0.0054	0.19699	0.38305	0.00102405	TSS	NM_001029916	Depdc7
3	102014045	102014141	1	-0.10631	5	0.0049	0.015	0.19624	0.30255	0.012753585	Intragenic	NM_001144862	LOC691083
3	102234054	102234123	1	-0.079424	5	0.00088	0.0053	0.81095	0.89037	0.003092094	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	102255886	102256028	1	-0.097244	7	0.0056	0.027	0.15928	0.25652	0.014333376	Intergenic	NA	NA
3	102895478	102895572	1	-0.059948	5	0.017	0.086	0.80665	0.86659	0.034796287	Intergenic	NA	NA
3	103908388	103908630	1	-0.11358	7	0.0017	0.039	0.10251	0.21609	0.005339493	Intragenic	NM_001114621	Dcdc5
3	104567798	104567843	1	-0.171868	5	0.0087	0.015	0.37034	0.5422	0.020391633	Intergenic	NA	NA
3	105342091	105342284	1	-0.086021	5	0.00072	0.059	0.7227	0.80872	0.002634665	Intergenic	NA	NA
3	105342326	105342431	1	-0.139138	5	0.0027	7.00E-05	0.52853	0.66767	0.007840962	Intergenic	NA	NA
3	110343094	110343212	1	-0.137725	5	1.10E-06	7.40E-06	0.17372	0.31144	1.27E-05	TSS	NM_001126100	Nop10
3	114321938	114322108	1	-0.053789	7	0.0017	0.039	0.061392	0.11518	0.005339493	Intragenic	NM_001107758	Meis2
3	114991533	114991638	1	-0.281616	5	4.90E-07	7.40E-06	0.12754	0.40916	6.54E-06	Intergenic	NA	NA
3	116831269	116831418	1	-0.110368	9	2.40E-06	0.00012	0.056558	0.16693	2.45E-05	Intergenic	NA	NA
3	116856949	116857033	0.2	-0.190716	5	6.30E-06	6.30E-07	0.034173	0.22489	5.33E-05	Intragenic	NM_139258	Bmf
3	117032406	117032473	1	-0.248958	5	1.10E-06	7.60E-06	0.088089	0.33705	1.27E-05	Intergenic	NA	NA
3	117032520	117032692	0.00046	-0.088439	19	8.70E-14	1.40E-09	0.043266	0.13171	9.59E-12	Intergenic	NA	NA
3	117041347	117041675	1	-0.160056	15	2.30E-08	4.80E-05	0.26469	0.42475	5.20E-07	Intragenic	NM_053478	Plcb2
3	117096887	117097045	1	-0.245666	5	4.40E-05	0.00028	0.103	0.34866	0.000263321	Intergenic	NA	NA
3	117097467	117097532	0.088	-0.137798	5	2.90E-06	2.70E-07	0.027406	0.1652	2.84E-05	Intergenic	NA	NA
3	117262250	117262352	1	-0.12889	5	0.0058	0.0053	0.45352	0.58241	0.014624129	Intergenic	NA	NA
3	117687926	117688037	1	-0.108938	7	0.024	0.036	0.55189	0.66083	0.046241462	Intragenic	NM_001107760	Dll4
3	118095662	118095774	1	-0.142018	8	4.70E-06	0.0006	0.2046	0.34662	4.26E-05	Intragenic	NM_031045	ltpka
3	118958423	118958532	1	-0.166485	5	2.90E-06	0.00014	0.25535	0.42183	2.84E-05	Intergenic	NA	NA
3	119590843	119590932	1	-0.190656	5	0.0074	0.087	0.22973	0.42038	0.017853001	Intergenic	NA	NA
3	120523218	120523255	0.0021	-0.342024	5	6.30E-08	6.30E-09	0.11732	0.45934	1.18E-06	Intragenic	NM_001077670	Eif3j
3	124514387	124514420	1	-0.131208	5	0.012	0.059	0.20437	0.33557	0.026435197	TSS	NM_001191065	Shc4
3	125543804	125544054	1	-0.052239	14	8.80E-05	0.0077	0.058402	0.11064	0.000466886	TSS	NM_031736	Slc27a2
3	126202796	126202832	1	-0.234008	5	6.50E-07	7.30E-06	0.13949	0.3735	8.28E-06	TSS	NM_001008766:N M_001100978	Ciao1:Tmem1 27
3	126307904	126307972	1	-0.051495	5	0.0049	0.024	0.048533	0.10003	0.012753585	Intergenic	NA	NA
3	126402464	126402563	1	-0.122721	5	0.025	0.087	0.26336	0.38608	0.047453009	Intergenic	NA	NA
3	127227061	127227272	1	-0.125983	12	0.0076	0.052	0.50066	0.62664	0.018313455	TSS	NM_138857	Prom2
3	127565631	127565763	1	-0.090416	10	0.0084	0.041	0.23098	0.3214	0.019933412	Intergenic	NA	NA
3	127670903	127670994	1	0.086399	5	0.00021	0.015	0.91042	0.82402	0.000951214	Intergenic	NA	NA
3	128709925	128710030	1	-0.158501	5	1.30E-05	0.00014	0.25373	0.41223	9.66E-05	Intragenic	NM_022943	Mertk
3	129675475	129675661	1	-0.085911	8	5.30E-05	0.00096	0.06381	0.14972	0.000308427	Intragenic	NM_172022	Lzts3
3	129677796	129677907	0.00024	-0.258648	9	3.90E-13	7.30E-10	0.013425	0.27207	3.35E-11	TSS	NM_172022	Lzts3
3	129677916	129677980	1	-0.135702	5	9.80E-05	7.10E-05	0.073819	0.20952	0.000512474	TSS	NM_172022	Lzts3
3	130213170	130213481	1	-0.082971	18	0.0087	0.054	0.084827	0.13392	0.020391633	Intragenic	NM_001039024	Spef1
3	130273998	130274145	1	-0.05734	5	0.0019	0.00053	0.044655	0.10199	0.005855937	TSS	NM_001005556	Mavs
3	130490309	130490558	1	-0.085018	10	0.0043	0.015	0.59885	0.68387	0.011513614	Intergenic	NA	NA
3	130635785	130636163	1	-0.055875	22	0.00026	0.00067	0.1417	0.19758	0.001130807	TSS	NM_024483	Adra1d

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	130724556	130724725	1	-0.179549	5	0.00044	0.00014	0.088623	0.26817	0.001760146	Intergenic	NA	NA
3	132774349	132774435	1	-0.138835	5	0.0024	0.0091	0.17468	0.31352	0.00705499	Intergenic	NA	NA
3	135985168	135985248	1	-0.239341	5	0.00023	0.00052	0.2184	0.45774	0.00102405	TSS	NM_001106516	Ankef1
3	137825328	137825568	1	-0.096861	7	0.00074	0.039	0.05634	0.1532	0.002702912	TSS	NM_001107782	Btbd3
3	144794622	144794773	1	-0.111598	6	0.014	0.027	0.32248	0.43408	0.029850603	Intergenic	NA	NA
3	146020443	146020601	1	-0.148089	5	1.70E-05	0.00053	0.095562	0.24365	0.000120524	Intragenic	NM_053505	Slc24a3
3	146387767	146387862	0.0048	-0.143012	7	8.90E-10	1.50E-08	0.054147	0.19716	3.00E-08	Intragenic	NM_001107786	Rin2
3	146483278	146483897	0.0057	-0.082465	25	3.10E-13	1.80E-08	0.054464	0.13693	2.82E-11	Intragenic	NM_001107786	Rin2
3	146561738	146561776	0.4	-0.209887	7	0.0013	1.20E-06	0.20544	0.41533	0.004277683	TSS	NM_053797	Crnk11
3	146695917	146696059	1	-0.151715	7	0.0072	0.026	0.2369	0.38862	0.017539509	Intergenic	NA	NA
3	147453377	147453449	1	-0.137382	5	0.0041	0.024	0.30847	0.44585	0.01100507	Intergenic	NA	NA
3	147824173	147824318	1	-0.100537	8	2.40E-06	0.00025	0.073422	0.17396	2.45E-05	Intergenic	NA	NA
3	147832728	147832836	1	-0.121113	7	1.90E-06	0.00081	0.085653	0.20677	2.01E-05	Intergenic	NA	NA
3	153799182	153799256	1	-0.099867	5	0.025	0.038	0.44754	0.54741	0.047453009	Intragenic	NM_001106526	Angpt4
3	153867611	153867697	1	-0.229475	5	4.90E-07	7.40E-06	0.10046	0.32993	6.54E-06	Intergenic	NA	NA
3	153946293	153946441	0.056	-0.138371	18	2.00E-10	1.70E-07	0.1356	0.27397	8.20E-09	Intragenic	NM_001191905	Scrt2
3	154199611	154199652	1	-0.148637	5	0.0029	0.015	0.37139	0.52003	0.008293503	TSS	NM_001109561	Nrsn2
3	154210930	154211116	1	-0.170766	5	0.008	0.039	0.44195	0.61272	0.019059477	Intergenic	NA	NA
3	154226902	154227008	1	-0.225535	5	1.90E-05	0.0018	0.20358	0.42912	0.000131674	Intergenic	NA	NA
3	154514139	154514230	1	-0.128332	7	0.00012	0.0054	0.10407	0.2324	0.000603617	TSS	NM_001025753	Rem1
3	154518418	154518543	1	-0.167707	5	0.015	0.086	0.45646	0.62417	0.031584896	Intragenic	NM_001025753	Rem1
3	154572330	154572701	3.70E-05	-0.212742	27	4.40E-14	1.20E-10	0.32127	0.53401	6.64E-12	Intragenic	NM_001107789	Hm13
3	154593155	154593262	0.087	-0.163676	13	7.20E-09	2.70E-07	0.12505	0.28872	1.86E-07	Intragenic	NM_001107789	Hm13
3	154935192	154935270	1	-0.114843	5	0.0058	0.038	0.69294	0.80778	0.014624129	Intragenic	NM_001012092	Xkr7
3	154949494	154949554	1	-0.150579	5	0.00015	0.00053	0.14789	0.29847	0.000724207	Intergenic	NA	NA
3	155109156	155109284	1	-0.212208	5	9.20E-06	0.00027	0.094115	0.30632	7.32E-05	Intergenic	NA	NA
3	156175830	156175909	1	-0.159491	5	0.0053	0.088	0.17641	0.3359	0.013591571	Intergenic	NA	NA
3	156428278	156428411	1	-0.070026	12	5.40E-06	0.00014	0.068706	0.13873	4.78E-05	Intragenic	NM_001098724	Necab3
3	156559360	156559442	0.0019	-0.201645	13	7.00E-11	6.00E-09	0.092116	0.29376	3.22E-09	Intergenic	NA	NA
3	156665495	156665542	1	-0.132539	5	3.90E-05	0.00052	0.58895	0.72149	0.000237659	Intergenic	NA	NA
3	157390629	157390682	1	-0.152858	5	0.0011	0.003	0.61204	0.7649	0.003737263	Intragenic	NM_130423	Ggt7
3	157513467	157513621	1	-0.059006	13	1.60E-05	0.0047	0.090911	0.14992	0.000115757	Intragenic	NM_001107794	Myh7b
3	157514133	157514395	1	-0.077022	10	1.80E-06	0.00035	0.057697	0.13472	1.93E-05	Intragenic	NM_001107794	Myh7b
3	157647864	157648258	1	-0.159516	7	0.017	0.077	0.34413	0.50365	0.034796287	Intergenic	NA	NA
3	158266053	158266123	1	-0.158905	5	0.01	0.059	0.36211	0.52101	0.02275947	Intragenic	NM_031577	Ghrh
3	158787776	158787818	1	-0.222511	5	0.002	0.0055	0.29856	0.52107	0.006079939	TSS	NM_001134983	Tgif2
3	158839385	158839502	1	-0.224581	5	7.40E-07	7.40E-06	0.11178	0.33637	9.26E-06	Intergenic	NA	NA
3	158993657	158993821	1	-0.076217	5	0.0024	0.015	0.093352	0.16957	0.00705499	Intergenic	NA	NA
3	159169715	159169771	1	-0.347928	5	6.30E-06	6.80E-05	0.39954	0.74747	5.33E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	160843080	160843213	1	-0.106822	5	0.0029	0.0032	0.10157	0.20839	0.008293503	Intragenic	NM_001004079	Bpi
3	160981050	160981122	0.49	-0.379364	6	8.30E-08	1.50E-06	0.099238	0.4786	1.51E-06	Intragenic	NM_019386	Tgm2
3	161375186	161375290	1	-0.100384	5	0.021	0.18	0.095768	0.19615	0.041207871	Intragenic	NM_001024870	Ctnnbl1
3	161419638	161419873	1	-0.141706	6	1.10E-05	4.80E-05	0.077152	0.21886	8.53E-05	Intergenic	NA	NA
3	161555314	161555514	0.012	-0.156659	17	4.90E-09	3.60E-08	0.17688	0.33354	1.30E-07	TSS	NM_001270867:NM_053601:NM_181687:NR_073089	Nnat:Nnat:Nnat:Nnat
3	161555690	161555738	1	0.081482	5	0.0014	0.0093	0.46745	0.38597	0.004540837	TSS	NM_001270867:NM_053601:NM_181687:NR_073089:NM_133582	Nnat:Nnat:Nnat:Nnat:Blcap
3	161555753	161555787	1	0.083205	5	0.025	0.038	0.48805	0.40484	0.047453009	TSS	NM_001270867:NM_053601:NM_181687:NR_073089:NM_133582	Nnat:Nnat:Nnat:Nnat:Blcap
3	161557617	161557726	0.37	-0.246549	7	2.30E-08	1.10E-06	0.25614	0.50269	5.20E-07	TSS	NM_001270867:NM_053601:NM_181687:NR_073089:NM_133582	Nnat:Nnat:Nnat:Nnat:Blcap
3	162410184	162410376	1	-0.126244	5	0.02	0.086	0.22231	0.34855	0.039778219	Intergenic	NA	NA
3	162446011	162446162	1	-0.164859	5	0.023	0.024	0.22601	0.39087	0.04441443	Intergenic	NA	NA
3	162497420	162497560	1	-0.113913	8	0.0096	0.07	0.53009	0.644	0.022155406	Intergenic	NA	NA
3	162546524	162546669	1	-0.165928	6	0.0044	0.026	0.26572	0.43165	0.011763026	Intergenic	NA	NA
3	162794101	162794176	1	-0.155493	5	0.00021	0.00096	0.16423	0.31973	0.000951214	Intergenic	NA	NA
3	163358085	163358224	1	-0.093661	5	0.0041	0.015	0.076123	0.16978	0.01100507	Intergenic	NA	NA
3	163484711	163484834	1	-0.115425	5	0.015	0.038	0.54432	0.65975	0.031584896	Intergenic	NA	NA
3	165478666	165478743	1	-0.121103	5	0.015	0.088	0.23777	0.35887	0.031584896	Intergenic	NA	NA
3	165518193	165518827	8.70E-10	-0.222488	27	4.30E-14	2.70E-15	0.17957	0.40205	6.64E-12	Intergenic	NA	NA
3	165557479	165557574	1	-0.119402	5	0.00029	0.009	0.095162	0.21456	0.001239307	TSS	NM_134463	Sgk2
3	165557723	165557906	1	-0.143566	5	2.80E-05	0.00014	0.07133	0.2149	0.000182174	TSS	NM_134463	Sgk2
3	165802955	165803009	1	-0.144219	5	0.0063	0.0087	0.53958	0.6838	0.015629046	Intragenic	NM_199392	Tox2
3	165946999	165947053	1	0.110002	5	0.0041	0.0093	0.75172	0.64172	0.01100507	Intragenic	NM_001037974	Jph2
3	165947112	165947181	1	0.095128	9	0.0032	0.0061	0.84375	0.74862	0.008990975	Intragenic	NM_001037974	Jph2
3	166120743	166120959	1	-0.210045	5	0.00088	0.0091	0.14949	0.35953	0.003092094	Intragenic	NM_001270931:NM_001270933	Hnf4a:Hnf4a
3	166128000	166128349	1	-0.161269	8	0.00014	0.018	0.19225	0.35351	0.000684451	TSS	NM_022180	Hnf4a
3	166179029	166179258	1	-0.084641	5	0.008	0.059	0.11675	0.20139	0.019059477	Intergenic	NA	NA
3	166743180	166743217	1	-0.120373	5	0.0032	0.038	0.22142	0.34179	0.008990975	Intragenic	NM_053954	Kcns1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	166743259	166743293	1	-0.098605	5	0.00023	0.0052	0.1014	0.2	0.00102405	Intragenic	NM_053954	Kcns1
3	166748574	166748691	1	-0.165369	7	0.0004	0.0054	0.48644	0.65181	0.00162337	Intergenic	NA	NA
3	167059661	167059720	1	-0.061364	5	2.80E-05	0.0017	0.032601	0.093965	0.000182174	Intragenic	NM_012649	Sdc4
3	167290284	167290435	0.00011	-0.382519	9	3.70E-12	3.50E-10	0.21678	0.5993	2.43E-10	Intragenic	NM_001008868	Wfdc9
3	167308752	167308849	1	-0.116188	5	0.01	0.0088	0.15318	0.26937	0.02275947	TSS	NM_001253677	Wfdc11
3	167599505	167599536	1	-0.05892	5	0.0029	0.0091	0.12345	0.18237	0.008293503	TSS	NM_031055	Mmp9
3	167604961	167605054	1	-0.174109	5	0.008	0.088	0.35324	0.52735	0.019059477	Intragenic	NM_031055	Mmp9
3	167725294	167725493	1	-0.080499	5	2.80E-05	0.00028	0.022882	0.10338	0.000182174	Intergenic	NA	NA
3	168111160	168111371	0.12	-0.182433	13	2.90E-09	3.80E-07	0.13734	0.31977	8.18E-08	Intragenic	NM_019161	Cdh22
3	168287998	168288168	1	-0.108883	7	0.00069	0.019	0.1661	0.27498	0.002570282	Intragenic	NM_022866	Slc13a3
3	168330257	168330354	1	-0.22344	5	8.80E-05	0.00051	0.23749	0.46093	0.000466886	TSS	NM_022866	Slc13a3
3	168420923	168421399	0.33	-0.091886	16	1.10E-09	1.00E-06	0.087099	0.17899	3.60E-08	Intergenic	NA	NA
3	168471934	168472028	1	-0.07612	7	9.00E-05	0.00078	0.074114	0.15023	0.000476445	Intergenic	NA	NA
3	168612221	168612401	1	-0.074613	11	2.20E-06	0.00058	0.035313	0.10993	2.27E-05	Intragenic	NM_130427	Eya2
3	168613025	168613085	1	-0.148409	5	0.0011	0.0018	0.1137	0.26211	0.003737263	Intragenic	NM_130427	Eya2
3	168676582	168676824	1	-0.212722	7	0.00013	0.0078	0.19162	0.40434	0.000648758	Intragenic	NM_001100838	Zmynd8
3	168679008	168679091	1	-0.186445	9	8.10E-07	0.0012	0.17372	0.36017	1.00E-05	Intragenic	NM_001100838	Zmynd8
3	168691380	168691430	1	-0.215484	5	0.0063	0.014	0.35127	0.56675	0.015629046	Intragenic	NM_001100838	Zmynd8
3	168705183	168705245	1	-0.193648	5	0.00039	0.015	0.3966	0.59025	0.001587612	Intragenic	NM_001100838	Zmynd8
3	168725766	168725956	1	-0.225864	10	8.20E-09	2.30E-05	0.11379	0.33965	2.11E-07	Intragenic	NM_001100838	Zmynd8
3	168730639	168730725	1	-0.084056	8	0.015	0.025	0.15074	0.23479	0.031584896	Intragenic	NM_001100838	Zmynd8
3	168970696	168970740	1	-0.05135	5	0.0014	0.003	0.039243	0.090593	0.004540837	Intragenic	NM_001034927	Sulf2
3	168990801	168990885	1	-0.079057	5	0.023	0.25	0.15981	0.23887	0.04441443	Intragenic	NM_001034927	Sulf2
3	169000573	169000693	1	-0.113305	7	0.019	0.076	0.41515	0.52845	0.038322088	Intragenic	NM_001034927	Sulf2
3	169033187	169033296	1	-0.141537	7	1.10E-06	5.50E-05	0.040917	0.18245	1.27E-05	Intragenic	NM_001034927	Sulf2
3	169294848	169295025	1	-0.063315	11	2.60E-05	0.00086	0.066449	0.12976	0.00017262	Intergenic	NA	NA
3	169393934	169394019	1	-0.257525	7	3.20E-05	0.0014	0.35402	0.61155	0.00020314	Intergenic	NA	NA
3	169451250	169451649	1	-0.207931	5	0.00088	0.0054	0.22756	0.43549	0.003092094	Intergenic	NA	NA
3	169494402	169494664	1	-0.190782	7	0.00048	0.0073	0.22537	0.41615	0.001881331	Intragenic	NM_001135718	Prex1
3	169586054	169586208	1	-0.139466	5	0.01	0.059	0.2133	0.35277	0.02275947	Intergenic	NA	NA
3	169593178	169593238	1	-0.290544	6	0.00017	0.00054	0.3594	0.64995	0.000806192	Intergenic	NA	NA
3	169653835	169653908	1	-0.155992	5	0.0019	0.038	0.17601	0.332	0.005855937	Intergenic	NA	NA
3	169740075	169740221	1	-0.120441	5	0.025	0.088	0.25817	0.37861	0.047453009	Intragenic	NM_181083	Arfgef2
3	170042754	170042931	1	-0.170544	10	0.0037	0.053	0.38784	0.55839	0.010204935	Intragenic	NM_013186	Kcnb1
3	170426201	170426245	1	-0.060898	5	0.02	0.088	0.13527	0.19616	0.039778219	TSS	NM_053805	Snai1
3	170426487	170426706	1	-0.101634	15	0.02	0.079	0.42782	0.52945	0.039778219	TSS	NM_053805	Snai1
3	170431555	170431683	1	-0.260922	5	1.20E-05	0.00052	0.44234	0.70326	9.15E-05	Intergenic	NA	NA
3	170484253	170484747	0.05	-0.145103	32	5.70E-10	1.50E-07	0.22937	0.37447	2.03E-08	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	170579586	170579743	1	-0.073709	5	0.014	0.059	0.041097	0.11481	0.029850603	TSS	NM_001301715:N M_001301720:N M_024125	Cebp: Cebp: Cebp
3	170658571	170658605	1	-0.206499	5	6.30E-06	0.00014	0.2782	0.4847	5.33E-05	Intergenic	NA	NA
3	170662646	170662722	1	-0.187854	5	0.0087	0.025	0.19794	0.3858	0.020391633	Intergenic	NA	NA
3	170668498	170668755	1	-0.149244	9	1.90E-08	9.20E-06	0.083909	0.23315	4.37E-07	Intergenic	NA	NA
3	170691115	170691200	1	-0.142782	5	0.00048	0.0017	0.10609	0.24887	0.001881331	Intergenic	NA	NA
3	170749535	170749734	1	-0.196229	5	0.00032	0.0055	0.13613	0.33236	0.001346443	Intergenic	NA	NA
3	170988416	170988487	1	-0.250081	5	0.00044	0.0054	0.22503	0.47511	0.001760146	Intragenic	NM_001108609	Pard6b
3	171126407	171126436	1	-0.062217	5	0.016	0.088	0.16094	0.22315	0.033288089	TSS	NM_001106544:N M_001107804	Dpm1:Mocs3
3	171169023	171169176	1	-0.160272	5	0.00039	0.0092	0.13485	0.29512	0.001587612	Intragenic	NM_001106545	Kcng1
3	171251880	171251965	1	-0.093001	5	0.0074	0.015	0.097045	0.19005	0.017853001	Intergenic	NA	NA
3	171354650	171354716	1	-0.090376	5	0.0053	0.015	0.6997	0.79008	0.013591571	Intergenic	NA	NA
3	171376047	171376508	1	-0.079334	10	0.0056	0.19	0.13018	0.20951	0.014333376	Intergenic	NA	NA
3	171429048	171429139	1	-0.057351	5	0.0013	0.0093	0.022578	0.079929	0.004277683	Intragenic	NM_001107805	Nfatc2
3	171449688	171449871	1	-0.107428	8	0.023	0.21	0.25289	0.36032	0.04441443	Intragenic	NM_001107805	Nfatc2
3	171539835	171539949	0.096	-0.076698	7	8.80E-09	3.00E-07	0.036097	0.1128	2.23E-07	Intergenic	NA	NA
3	171594593	171594750	1	-0.149132	7	0.00078	0.008	0.18893	0.33807	0.002840382	Intergenic	NA	NA
3	171660028	171660044	1	-0.111523	5	0.00026	0.0092	0.84941	0.96093	0.001130807	Intergenic	NA	NA
3	171845815	171845880	0.048	-0.101324	7	1.30E-09	1.50E-07	0.046814	0.14814	4.18E-08	Intergenic	NA	NA
3	171938600	171938688	1	-0.130109	5	0.0035	0.038	0.27153	0.40164	0.009686665	Intergenic	NA	NA
3	172090276	172090345	1	-0.250594	5	0.00012	0.00051	0.2195	0.4701	0.000603617	Intergenic	NA	NA
3	172158487	172158595	1	-0.144364	5	0.023	0.18	0.41467	0.55904	0.04441443	Intergenic	NA	NA
3	172189698	172189796	1	-0.121881	5	0.00012	0.0055	0.13148	0.25336	0.000603617	Intergenic	NA	NA
3	172319543	172319663	1	-0.143794	5	0.0049	0.039	0.75811	0.9019	0.012753585	Intergenic	NA	NA
3	172410141	172410285	1	-0.17003	7	0.0002	0.0032	0.19755	0.36758	0.00092049	Intergenic	NA	NA
3	172454195	172454257	1	-0.184065	5	3.10E-05	0.00014	0.43619	0.62026	0.000197418	Intergenic	NA	NA
3	172482767	172482821	1	-0.14817	5	0.025	0.13	0.53328	0.68145	0.047453009	Intergenic	NA	NA
3	172656329	172656455	1	-0.102471	7	0.0002	0.0051	0.1481	0.25057	0.00092049	Intergenic	NA	NA
3	172712497	172712560	1	-0.161514	5	0.012	0.18	0.33794	0.49946	0.026435197	Intergenic	NA	NA
3	172804977	172805629	1.50E-07	-0.201505	24	4.50E-14	4.70E-13	0.11494	0.31644	6.64E-12	Intergenic	NA	NA
3	172969734	172969827	1	-0.171538	8	3.50E-09	9.80E-06	0.0567	0.22824	9.56E-08	Intergenic	NA	NA
3	173058185	173058247	1	-0.110786	9	0.006	0.054	0.44284	0.55363	0.015096734	Intergenic	NA	NA
3	173069402	173069537	1	-0.201086	5	0.0011	0.0055	0.21304	0.41412	0.003737263	Intergenic	NA	NA
3	173085585	173085682	1	-0.262774	5	0.00014	0.00049	0.3736	0.63638	0.000684451	Intergenic	NA	NA
3	173164733	173164791	1	-0.215959	5	7.00E-05	0.00052	0.21162	0.42758	0.000386221	Intergenic	NA	NA
3	174019344	174019645	1	-0.17934	11	5.40E-09	1.60E-05	0.058252	0.23759	1.43E-07	Intergenic	NA	NA
3	174026804	174026933	1	0.183019	5	0.00026	0.00051	0.88847	0.70545	0.001130807	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	174028198	174028265	1	-0.145426	5	0.019	0.038	0.35369	0.49912	0.038322088	Intergenic	NA	NA
3	174028298	174028375	1	-0.075816	5	0.0068	0.059	0.10001	0.17582	0.016642688	Intergenic	NA	NA
3	174028519	174028568	1	-0.156463	5	1.80E-07	3.40E-06	0.22606	0.38252	2.78E-06	Intergenic	NA	NA
3	174176377	174176624	1	-0.258153	12	1.00E-08	9.10E-06	0.23525	0.4934	2.49E-07	Intergenic	NA	NA
3	174177071	174177472	1	-0.110303	8	0.0088	0.068	0.28579	0.39609	0.020605924	Intergenic	NA	NA
3	174188429	174188474	1	-0.288449	5	6.20E-05	0.0018	0.44193	0.73038	0.000349462	Intergenic	NA	NA
3	174193288	174193549	0.15	-0.208784	8	5.60E-09	4.50E-07	0.050813	0.2596	1.47E-07	Intergenic	NA	NA
3	174205107	174205225	1	-0.199013	6	0.00033	0.00051	0.21252	0.41153	0.001385608	Intragenic	NM_201635	Cyp24a1
3	174299513	174299583	1	-0.191764	7	1.00E-06	9.60E-05	0.36145	0.55321	1.18E-05	Intergenic	NA	NA
3	174311040	174311128	1	-0.08803	5	0.011	0.059	0.094661	0.18269	0.02463877	Intergenic	NA	NA
3	175724008	175724146	1	-0.143777	5	0.0041	0.0018	0.2477	0.39147	0.01100507	Intergenic	NA	NA
3	175960231	175960285	1	-0.180012	5	4.40E-05	0.00014	0.11748	0.2975	0.000263321	Intergenic	NA	NA
3	176098143	176098244	1	-0.19075	5	0.0014	0.024	0.17607	0.36682	0.004540837	Intergenic	NA	NA
3	176310102	176310187	1	-0.076061	5	0.0017	0.015	0.76326	0.83933	0.005339493	Intergenic	NA	NA
3	176362697	176362772	1	-0.135089	5	0.0008	0.0093	0.15603	0.29112	0.002866309	Intergenic	NA	NA
3	176374218	176374426	1	-0.143333	5	0.00032	0.00028	0.10549	0.24882	0.001346443	Intergenic	NA	NA
3	176432468	176432560	1	-0.166656	7	1.20E-07	4.40E-06	0.075348	0.242	2.01E-06	Intragenic	NM_001106547	Fam210b
3	176622636	176622672	1	-0.116481	5	0.00072	0.024	0.19349	0.30997	0.002634665	Intergenic	NA	NA
3	176765753	176765836	1	-0.126926	5	0.021	0.087	0.33627	0.4632	0.041207871	Intergenic	NA	NA
3	176787424	176787539	1	-0.137766	11	1.50E-06	1.30E-05	0.25564	0.3934	1.65E-05	Intergenic	NA	NA
3	176918444	176918496	1	-0.19137	5	0.0014	0.025	0.19364	0.38501	0.004540837	Intergenic	NA	NA
3	176966709	176967241	2.70E-11	-0.226916	16	4.60E-14	8.50E-17	0.082007	0.30892	6.64E-12	Intragenic	NM_001191856	Bmp7
3	177015947	177016001	1	-0.196159	5	0.0008	0.0017	0.26526	0.46141	0.002866309	Intragenic	NM_001191856	Bmp7
3	177019395	177019420	1	-0.071145	7	3.40E-05	1.60E-05	0.0068535	0.077999	0.000214477	TSS	NM_001191856	Bmp7
3	177039292	177039630	1	-0.176695	5	0.00065	0.0031	0.16005	0.33675	0.002426546	Intergenic	NA	NA
3	177136965	177137083	1	-0.310875	5	7.40E-07	1.60E-05	0.15118	0.46205	9.26E-06	Intergenic	NA	NA
3	177153850	177153934	1	-0.173628	5	0.00019	0.0018	0.11417	0.2878	0.000879857	Intergenic	NA	NA
3	177280735	177280938	1	-0.20971	7	3.90E-05	9.00E-05	0.18909	0.3988	0.000237659	TSS	NM_198780	Pck1
3	177305642	177305777	0.53	-0.160604	8	2.10E-09	1.60E-06	0.075414	0.23602	6.26E-08	Intergenic	NA	NA
3	177479124	177479229	1	-0.119278	6	0.019	0.12	0.22615	0.34542	0.038322088	Intergenic	NA	NA
3	177643945	177644075	1	-0.22039	5	0.00048	0.0054	0.403	0.62339	0.001881331	Intergenic	NA	NA
3	177726369	177726434	1	-0.240161	9	1.10E-08	3.20E-06	0.34181	0.58197	2.70E-07	Intergenic	NA	NA
3	178228120	178228157	1	-0.253629	5	0.00072	0.0018	0.46937	0.723	0.002634665	Intragenic	NM_001108610	Stx16
3	178426112	178426145	0.0022	-0.157785	5	6.30E-08	6.80E-09	0.0086623	0.16645	1.18E-06	TSS	NM_001159656:NM_001159653	Gnas:Gnas
3	178426511	178426768	5.20E-08	-0.26693	22	4.20E-14	1.60E-13	0.12413	0.39106	6.64E-12	TSS	NM_001159656:NM_001159653	Gnas:Gnas
3	178427317	178427639	1	-0.147599	6	0.00046	0.00094	0.19402	0.34162	0.001836485	TSS	NM_001159656:NM_001159653	Gnas:Gnas

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	178437584	178437678	0.00058	-0.16847	11	1.90E-08	1.80E-09	0.2058	0.37427	4.37E-07	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178438668	178438737	1	-0.223051	7	0.0013	5.00E-05	0.26726	0.49031	0.004277683	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178439695	178439772	1	-0.210392	5	7.00E-05	0.00098	0.19933	0.40972	0.000386221	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440435	178440501	0.015	-0.30426	5	6.30E-08	4.60E-08	0.17666	0.48092	1.18E-06	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440582	178440595	1	-0.126169	5	0.0032	0.0032	0.10882	0.23499	0.008990975	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440597	178440694	1	-0.102968	13	0.02	0.0073	0.13413	0.2308	0.039778219	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440717	178440759	1	-0.175153	5	8.50E-07	3.50E-05	0.2567	0.43185	1.03E-05	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440846	178441326	2.10E-09	-0.231532	26	4.20E-14	6.50E-15	0.15266	0.38419	6.64E-12	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178441775	178441843	1	-0.361173	5	0.0035	0.00014	0.30536	0.66653	0.009686665	Intragenic	NM_001159656:NM_001159653:NM_001024823:NM_021845	Gnas:Gnas:Gnas:Gnas
3	178471493	178471627	0.0063	-0.175404	15	3.90E-10	1.90E-08	0.20146	0.37687	1.47E-08	TSS	NM_019132	Gnas
3	178472035	178472089	1	-0.222746	5	2.40E-05	1.60E-05	0.19016	0.41291	0.000160049	TSS	NM_019132	Gnas
3	178472134	178472164	0.0022	-0.208792	5	6.30E-08	6.80E-09	0.084745	0.29354	1.18E-06	TSS	NM_019132	Gnas
3	178472172	178472733	6.70E-05	-0.112581	28	1.50E-11	2.10E-10	0.13585	0.24843	8.08E-10	TSS	NM_019132	Gnas
3	178788574	178788607	1	-0.188626	5	0.008	0.059	0.45082	0.63944	0.019059477	Intragenic	NM_001171096	Zfp831
3	179643201	179643272	1	-0.200153	5	0.00012	0.0054	0.27668	0.47683	0.000603617	Intergenic	NA	NA
3	179647691	179647847	1	-0.198619	12	1.40E-07	6.00E-05	0.33698	0.5356	2.25E-06	Intergenic	NA	NA
3	179864616	179864766	1	-0.084986	9	0.024	0.024	0.16807	0.25306	0.046241462	Intergenic	NA	NA
3	180670229	180670284	1	-0.106484	5	0.0032	0.024	0.096314	0.2028	0.008990975	Intergenic	NA	NA
3	181119096	181119192	1	-0.127619	5	0.013	0.086	0.28551	0.41313	0.028097302	Intergenic	NA	NA
3	181119231	181119258	1	-0.24596	5	6.30E-06	7.00E-06	0.36805	0.61401	5.33E-05	Intergenic	NA	NA
3	181142873	181142940	1	-0.075555	7	0.00031	0.012	0.13045	0.20601	0.001320549	Intergenic	NA	NA
3	181142961	181143025	1	-0.162177	5	0.0038	0.015	0.30295	0.46512	0.010352437	Intergenic	NA	NA
3	181394307	181394508	1	-0.113472	11	0.0007	0.002	0.18449	0.29796	0.002606725	Intergenic	NA	NA
3	181567894	181568018	1	-0.275377	5	1.80E-07	7.60E-06	0.092648	0.36803	2.78E-06	Intragenic	NM_031708	Adrm1
3	181634723	181634833	1	-0.142012	6	3.50E-07	6.40E-06	0.037655	0.17967	4.97E-06	Intergenic	NA	NA
3	181799744	181799798	1	-0.186034	5	0.023	0.037	0.53714	0.72317	0.04441443	Intergenic	NA	NA
3	181902224	181902312	1	-0.210134	7	0.00024	0.0022	0.26228	0.47241	0.001064629	Intergenic	NA	NA
3	182214494	182214676	1	-0.157181	8	1.30E-06	9.80E-06	0.16793	0.32511	1.46E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	182515734	182516076	1	-0.131303	11	0.00018	0.011	0.21657	0.34787	0.000849258	Intergenic	NA	NA
3	182743765	182743898	1	-0.161395	7	0.0017	0.0054	0.29494	0.45634	0.005339493	Intergenic	NA	NA
3	182860841	182861026	0.00015	-0.31247	11	8.50E-14	4.60E-10	0.07116	0.38363	9.46E-12	Intergenic	NA	NA
3	182978154	182978277	1	-0.18636	5	0.0011	0.0093	0.23226	0.41862	0.003737263	Intergenic	NA	NA
3	183064424	183064506	1	-0.211839	5	0.00044	0.0018	0.22355	0.43539	0.001760146	Intergenic	NA	NA
3	183102885	183102937	1	-0.065447	5	0.0038	0.015	0.074869	0.14032	0.010352437	Intragenic	NM_001191745	Cdh26
3	183138012	183138206	1	-0.074151	18	7.40E-08	9.60E-06	0.070563	0.14471	1.36E-06	TSS	NM_001109564	Ppp1r3d
3	183313087	183313153	1	0.059042	5	0.0008	0.0018	0.93735	0.8783	0.002866309	Intergenic	NA	NA
3	183696755	183696904	2.30E-09	-0.332061	11	4.20E-14	7.10E-15	0.12517	0.45723	6.64E-12	Intergenic	NA	NA
4	192977	193110	1	-0.070244	5	0.02	0.038	0.091784	0.16203	0.039778219	TSS	NM_013148	Htr5a
4	337639	337716	1	-0.111704	5	7.00E-05	7.10E-05	0.075455	0.18716	0.000386221	TSS	NM_022392	Insig1
4	720380	720484	1	-0.073064	5	0.017	0.0054	0.0085644	0.081628	0.034796287	TSS	NM_017221	Shh
4	2043941	2044094	1	-0.090873	7	0.00048	0.0013	0.81383	0.9047	0.001881331	Intergenic	NA	NA
4	2146222	2146403	1	-0.115843	6	0.02	0.027	0.51646	0.63231	0.039778219	Intragenic	NM_001012095	Rnf32
4	2535291	2535347	0.0023	-0.385667	7	3.50E-10	7.10E-09	0.22917	0.61484	1.34E-08	Intergenic	NA	NA
4	5587478	5587718	1	-0.125718	5	0.023	0.039	0.46792	0.59364	0.04441443	Intergenic	NA	NA
4	6497479	6497786	1	-0.078414	10	0.0091	0.18	0.22271	0.30113	0.021291803	Intergenic	NA	NA
4	6680047	6680117	1	-0.174876	5	1.30E-05	0.0018	0.15574	0.33061	9.66E-05	Intergenic	NA	NA
4	7170832	7171211	1	-0.092496	5	0.0038	0.015	0.09148	0.18398	0.010352437	TSS	NM_001109216	Asb10
4	7211810	7211891	1	-0.161156	5	0.00088	0.015	0.33195	0.49311	0.003092094	Intragenic	NM_001271453	Gbx1
4	7231126	7231347	1	-0.153281	5	0.012	0.024	0.13092	0.2842	0.026435197	Intragenic	NM_001108616	Agap3
4	7234149	7234488	0.2	-0.204178	16	1.20E-10	6.20E-07	0.11643	0.32061	5.34E-09	Intragenic	NM_001108616	Agap3
4	7234848	7234965	1	-0.132081	5	0.0049	0.015	0.13893	0.27101	0.012753585	Intragenic	NM_001108616	Agap3
4	7236418	7236629	1	-0.253353	8	0.00034	0.0055	0.38717	0.64053	0.001424609	Intragenic	NM_001108616	Agap3
4	7242691	7242722	1	-0.064595	5	0.00044	0.00052	0.037139	0.10173	0.001760146	Intergenic	NA	NA
4	7242731	7242783	1	-0.07098	5	0.00036	0.00098	0.148	0.21898	0.001486639	Intergenic	NA	NA
4	7386110	7386190	1	-0.254322	5	0.0017	0.038	0.28222	0.53655	0.005339493	Intragenic	NM_053949	Kcnh2
4	9410984	9411049	1	-0.244454	5	7.10E-06	7.00E-05	0.21053	0.45499	5.86E-05	Intragenic	NM_080394	Reln
4	10448891	10448957	0.00037	-0.249804	7	2.40E-09	1.20E-09	0.54611	0.79592	7.03E-08	Intragenic	NM_001107845	Gsap
4	18040873	18040901	1	-0.273703	5	9.20E-06	0.00027	0.37333	0.64703	7.32E-05	Intergenic	NA	NA
4	20037065	20037126	1	-0.139344	5	4.90E-07	7.60E-06	0.07277	0.21211	6.54E-06	Intergenic	NA	NA
4	21982256	21982389	1	-0.11926	5	0.011	0.038	0.175	0.29426	0.02463877	Intergenic	NA	NA
4	25301179	25301212	1	-0.267241	7	1.00E-07	5.00E-05	0.49246	0.7597	1.72E-06	Intergenic	NA	NA
4	25627697	25627879	1	-0.238961	7	2.20E-06	1.60E-05	0.1959	0.43486	2.27E-05	Intergenic	NA	NA
4	25892039	25892228	1	-0.139241	7	0.025	0.11	0.36618	0.50542	0.047453009	Intragenic	NM_001108617	Cdk14
4	26406378	26406544	0.0058	-0.190104	5	6.30E-08	1.80E-08	0.055835	0.24594	1.18E-06	Intergenic	NA	NA
4	27335068	27335172	1	-0.195123	7	2.90E-05	0.00049	0.17495	0.37008	0.000187968	Intergenic	NA	NA
4	27672161	27672366	1	-0.052854	8	0.0002	0.00022	0.017361	0.070215	0.00092049	Intergenic	NA	NA
4	27754383	27754520	1.70E-08	-0.193894	9	3.40E-13	5.30E-14	0.011439	0.20533	3.00E-11	Intragenic	NM_001191861	Cdk6

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	27774984	27775095	1	-0.27167	5	0.0038	0.0093	0.285	0.55667	0.010352437	Intragenic	NM_001191861	Cdk6
4	27840480	27840587	1	-0.217208	5	0.0019	0.015	0.27374	0.49095	0.005855937	Intragenic	NM_001191861	Cdk6
4	28115442	28115515	1	-0.183713	5	0.0014	0.015	0.54656	0.73027	0.004540837	Intergenic	NA	NA
4	28666254	28666387	1	-0.119838	7	0.00074	0.037	0.56599	0.68583	0.002702912	Intergenic	NA	NA
4	29704099	29704221	5.50E-06	-0.322964	9	2.30E-12	1.70E-11	0.17211	0.49508	1.61E-10	Intergenic	NA	NA
4	29882795	29882868	1	-0.050266	5	0.0029	0.009	0.044799	0.095065	0.008293503	Intergenic	NA	NA
4	29973930	29974039	1	-0.070611	5	0.016	0.086	0.58953	0.66014	0.033288089	Intragenic	NM_053473	Ppp1r9a
4	29974173	29974267	1	-0.19322	5	0.0058	0.0054	0.5135	0.70672	0.014624129	Intragenic	NM_053473	Ppp1r9a
4	30363388	30363652	1	-0.110248	7	0.00065	0.0033	0.11967	0.22992	0.002426546	Intergenic	NA	NA
4	31154321	31154359	1	-0.064182	5	0.017	0.0091	0.77056	0.83474	0.034796287	Intergenic	NA	NA
4	31209367	31209405	1	-0.064182	5	0.017	0.0091	0.77056	0.83474	0.034796287	Intergenic	NA	NA
4	31675208	31675336	0.46	-0.295924	5	5.60E-07	1.40E-06	0.093389	0.38931	7.29E-06	Intergenic	NA	NA
4	32451811	32451939	1	-0.059861	5	0.0058	0.0091	0.79679	0.85665	0.014624129	Intergenic	NA	NA
4	37993676	37993823	1	0.18596	5	0.0014	0.0055	0.76641	0.58045	0.004540837	Intergenic	NA	NA
4	38242198	38242364	1	-0.121188	7	0.00023	0.0035	0.59926	0.72044	0.00102405	Intergenic	NA	NA
4	45678621	45678769	1	-0.11783	5	0.019	0.18	0.34586	0.46369	0.038322088	Intragenic	NM_001004102	ST7
4	45749340	45749407	1	-0.087095	5	0.0049	0.038	0.84599	0.93308	0.012753585	Intragenic	NM_001004102	ST7
4	45996129	45996189	1	-0.063439	5	0.0049	0.0053	0.82943	0.89287	0.012753585	Intragenic	NM_130750	Asz1
4	47709846	47709928	1	-0.129711	7	0.0021	0.0032	0.57606	0.70577	0.006364615	Intergenic	NA	NA
4	49331421	49331776	1	-0.151757	9	0.012	0.044	0.41683	0.56859	0.026435197	Intergenic	NA	NA
4	49361347	49361416	1	-0.155305	5	0.023	0.0018	0.42001	0.57531	0.04441443	Intergenic	NA	NA
4	53315096	53315197	1	-0.111974	5	0.008	0.13	0.62685	0.73882	0.019059477	Intergenic	NA	NA
4	55436585	55436646	1	-0.10371	6	3.10E-05	0.00028	0.1072	0.21091	0.000197418	Intergenic	NA	NA
4	55458159	55458231	1	-0.17693	5	3.90E-05	6.80E-05	0.40991	0.58684	0.000237659	Intergenic	NA	NA
4	55458240	55458307	1	-0.253407	5	3.90E-05	0.00098	0.17506	0.42847	0.000237659	Intergenic	NA	NA
4	55952010	55952204	1	-0.122217	5	0.02	0.024	0.11571	0.23793	0.039778219	Intergenic	NA	NA
4	56481548	56481668	1	-0.146938	5	0.013	0.059	0.44276	0.5897	0.028097302	Intragenic	NM_001191862	Flnc
4	56541908	56542046	1	-0.159974	6	2.10E-06	4.60E-05	0.20397	0.36394	2.20E-05	Intergenic	NA	NA
4	56672957	56673062	1	-0.165463	5	0.021	0.088	0.49267	0.65813	0.041207871	Intergenic	NA	NA
4	57049331	57049563	1	-0.224128	6	0.0018	0.011	0.28273	0.50686	0.005640313	Intergenic	NA	NA
4	57264956	57265037	1	-0.213348	5	0.00019	0.00098	0.13576	0.3491	0.000879857	Intergenic	NA	NA
4	57451507	57451643	1	-0.227848	7	5.30E-07	1.60E-05	0.20377	0.43161	7.05E-06	Intragenic	NM_001127293	Zc3hc1
4	57811137	57811177	1	-0.103944	5	0.00021	3.30E-05	0.30453	0.40848	0.000951214	TSS	NM_001009617	Mest
4	58131995	58132127	1	-0.191576	5	0.00015	0.0032	0.16128	0.35286	0.000724207	Intergenic	NA	NA
4	58333013	58333145	1	-0.281499	5	3.20E-07	7.20E-06	0.11403	0.39553	4.57E-06	Intergenic	NA	NA
4	58378716	58378807	1	-0.129651	5	0.0063	0.038	0.1833	0.31295	0.015629046	Intergenic	NA	NA
4	58419305	58419430	1	-0.115046	5	0.00036	0.0031	0.087318	0.20236	0.001486639	Intergenic	NA	NA
4	61104024	61104074	0.036	-0.246047	5	8.50E-08	1.10E-07	0.10604	0.35209	1.53E-06	Intergenic	NA	NA
4	61661441	61661657	1	-0.22654	7	0.00018	0.008	0.2642	0.49074	0.000849258	Intragenic	NM_199382	Bpgm

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	61713022	61713181	1	-0.220467	8	4.10E-06	5.20E-05	0.23836	0.45883	3.78E-05	Intergenic	NA	NA
4	62119041	62119090	1	-0.074155	5	0.025	0.087	0.16224	0.23639	0.047453009	Intragenic	NM_001009709	Tmem140
4	62127930	62127991	1	-0.090225	5	0.0024	0.024	0.098238	0.18846	0.00705499	TSS	NM_001024325	LOC500077
4	62128060	62128107	1	-0.093763	5	0.0024	0.015	0.15444	0.2482	0.00705499	TSS	NM_001024325	LOC500077
4	62138615	62138729	1	-0.189195	5	0.00029	0.0031	0.2394	0.42859	0.001239307	Intragenic	NM_001127298	Wdr91
4	62261737	62261797	1	-0.131157	5	0.0063	0.087	0.2908	0.42195	0.015629046	Intergenic	NA	NA
4	62549032	62549197	1	-0.158173	5	0.0014	0.024	0.1649	0.32307	0.004540837	Intragenic	NM_001012621	Slc13a4
4	62554343	62554573	1	-0.104085	5	0.00065	0.0055	0.045943	0.15003	0.002426546	Intragenic	NM_001012621	Slc13a4
4	62641316	62641409	1	-0.209505	5	6.50E-07	7.60E-06	0.12273	0.33223	8.28E-06	Intergenic	NA	NA
4	65587327	65587428	1	-0.156795	5	0.00054	0.015	0.20375	0.36055	0.002077867	Intragenic	NM_001106591	Atp6v0a4
4	66148098	66148175	1	-0.250831	5	0.00032	7.10E-05	0.23659	0.48742	0.001346443	Intragenic	NM_001107853	Luc7l2
4	66148248	66148272	1	-0.137271	5	0.00023	0.00013	0.64579	0.78306	0.00102405	Intragenic	NM_001107853	Luc7l2
4	66842179	66842293	1	0.055382	5	3.50E-05	0.059	0.06316	0.0077775	0.000218038	Intergenic	NA	NA
4	66842645	66842746	1	-0.146857	5	0.0035	0.088	0.15828	0.30513	0.009686665	Intergenic	NA	NA
4	66867473	66867567	9.80E-06	-0.193164	14	1.40E-11	3.00E-11	0.088818	0.28198	7.61E-10	TSS	NM_001276456	Chmp4bl1
4	67387481	67387592	1	-0.238849	7	1.70E-06	0.00028	0.50975	0.7486	1.83E-05	Intergenic	NA	NA
4	67387659	67387706	1	-0.10956	5	0.0022	0.0092	0.77706	0.88662	0.006578104	Intergenic	NA	NA
4	134344626	134344708	1	-0.050722	5	0.0032	0.058	0.82991	0.88063	0.008990975	Intergenic	NA	NA
4	135188778	135188926	1	-0.150799	5	0.0087	0.056	0.36392	0.51471	0.020391633	Intergenic	NA	NA
4	139172745	139172826	0.94	-0.140851	6	2.60E-08	2.90E-06	0.039691	0.18054	5.80E-07	Intergenic	NA	NA
4	140295614	140295734	1	0.133844	5	0.023	0.13	0.74061	0.60676	0.04441443	Intergenic	NA	NA
4	141729297	141729355	1	-0.166004	5	0.00048	0.0093	0.18618	0.35218	0.001881331	Intergenic	NA	NA
4	142941078	142941293	1	-0.258544	8	1.40E-07	2.90E-05	0.099598	0.35814	2.25E-06	Intergenic	NA	NA
4	143062726	143063086	1.60E-06	-0.089144	38	4.50E-14	4.80E-12	0.055473	0.14462	6.64E-12	Intragenic	NM_001034849	Gimap1
4	144517900	144518205	1	-0.124628	8	0.0099	0.051	0.21885	0.34348	0.02275947	TSS	NM_001134982	Mpp6
4	144795983	144796088	1	-0.222755	5	0.00088	0.0092	0.27857	0.50133	0.003092094	Intergenic	NA	NA
4	145111132	145111255	1	-0.195606	5	0.014	0.038	0.24072	0.43633	0.029850603	Intergenic	NA	NA
4	145360169	145360348	1	-0.187825	5	0.023	0.057	0.42396	0.61179	0.04441443	Intergenic	NA	NA
4	145395333	145395490	1	-0.099942	7	0.024	0.25	0.28707	0.38701	0.046241462	Intergenic	NA	NA
4	145451430	145451623	1	-0.180754	10	9.20E-06	0.0008	0.24114	0.42189	7.32E-05	Intergenic	NA	NA
4	145579429	145579551	1	-0.050891	6	0.016	0.084	0.068705	0.1196	0.033288089	Intergenic	NA	NA
4	145992907	145993078	1	-0.211865	7	2.60E-06	5.40E-05	0.076394	0.28826	2.60E-05	Intragenic	NM_001013085	Snx10
4	146470504	146470646	1	-0.128485	5	0.0032	0.0054	0.17671	0.30519	0.008990975	Intergenic	NA	NA
4	146799066	146799119	1	-0.166086	5	0.00065	0.003	0.2953	0.46138	0.002426546	TSS	NM_012581	Hoxa2
4	146804333	146804380	1	-0.131185	5	0.0038	0.015	0.54169	0.67287	0.010352437	Intergenic	NA	NA
4	146804431	146804514	1	-0.201925	9	2.00E-06	4.70E-05	0.34797	0.5499	2.10E-05	Intergenic	NA	NA
4	146806047	146806192	1	-0.131553	10	0.00084	0.012	0.26734	0.3989	0.002993559	Intergenic	NA	NA
4	146813034	146813144	1	-0.103587	9	6.40E-07	0.00033	0.051456	0.15504	8.24E-06	Intergenic	NA	NA
4	146825753	146825840	1	-0.256374	5	1.10E-06	0.00014	0.3419	0.59828	1.27E-05	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	146825939	146825957	1	-0.109109	5	0.0016	0.039	0.20643	0.31554	0.005100053	Intergenic	NA	NA
4	146826323	146826482	1	-0.060176	9	0.00019	4.80E-05	0.037351	0.097527	0.000879857	Intergenic	NA	NA
4	146839034	146839750	8.50E-32	-0.079555	68	4.60E-14	2.60E-37	0.026418	0.10597	6.64E-12	Intragenic	NR_132648	Hoxaas3
4	146843763	146844021	1	-0.078375	14	0.00015	0.013	0.085013	0.16339	0.000724207	TSS	NM_001191087	Hoxa6
4	146885235	146885390	1	-0.128813	7	0.0069	0.027	0.23092	0.35973	0.01685311	Intragenic	NR_132628	RGD1564419
4	146889113	146889574	1	-0.058356	24	0.0014	0.0042	0.11376	0.16638	0.004540837	Intergenic	NA	NA
4	146889593	146889783	1	-0.078187	15	1.40E-06	0.00086	0.12036	0.19855	1.57E-05	Intergenic	NA	NA
4	146924829	146925545	8.50E-32	-0.079555	68	4.60E-14	2.60E-37	0.026418	0.10597	6.64E-12	Intragenic	NR_132648	Hoxaas3
4	146929558	146929816	1	-0.080857	14	0.00012	0.013	0.085013	0.16587	0.000603617	TSS	NM_001191087	Hoxa6
4	146970759	146970914	1	-0.128813	7	0.0069	0.027	0.23092	0.35973	0.01685311	Intragenic	NR_132628	RGD1564419
4	146974637	146975098	1	-0.058356	24	0.0014	0.0042	0.11376	0.16638	0.004540837	Intergenic	NA	NA
4	146975117	146975307	1	-0.078187	15	1.40E-06	0.00086	0.12036	0.19855	1.57E-05	Intergenic	NA	NA
4	146995011	146995153	1	-0.170164	10	0.00016	0.022	0.33176	0.50193	0.000769396	Intergenic	NA	NA
4	146995822	146995888	1	-0.176104	5	0.00014	0.0055	0.26339	0.4395	0.000684451	Intergenic	NA	NA
4	146995945	146996139	1	-0.161231	5	5.00E-05	0.0055	0.097895	0.25913	0.000291675	Intergenic	NA	NA
4	146996143	146996202	1	-0.323725	6	3.20E-07	1.30E-05	0.26366	0.58738	4.57E-06	Intergenic	NA	NA
4	147014558	147014610	1	-0.067586	5	0.023	0.038	0.34724	0.41483	0.04441443	Intergenic	NA	NA
4	147119255	147119337	1	-0.086633	5	2.20E-05	3.30E-05	0.80117	0.8878	0.000149617	Intergenic	NA	NA
4	148632341	148632511	1	-0.064528	18	0.0026	0.053	0.10581	0.17034	0.007616821	Intragenic	NM_001034010	Tril
4	149141722	149141814	1	-0.233475	5	0.00014	0.00052	0.2566	0.49008	0.000684451	Intragenic	NM_001104527	Prr15
4	149270897	149271011	1	-0.14131	6	0.005	0.0041	0.54642	0.68773	0.012977322	Intragenic	NM_147211	Wipf3
4	149276430	149276507	1	-0.161215	5	0.00036	0.00095	0.66359	0.82481	0.001486639	Intragenic	NM_147211	Wipf3
4	149531841	149531965	1	-0.10545	5	0.02	0.025	0.24767	0.35312	0.039778219	Intergenic	NA	NA
4	149799326	149799646	1	-0.180962	11	0.0021	0.046	0.53359	0.71455	0.006364615	Intragenic	NM_001109236	Nod1
4	150002722	150002874	1	-0.149699	7	0.00078	0.039	0.44773	0.59743	0.002840382	Intergenic	NA	NA
4	150009248	150009400	1	-0.147216	7	0.00021	0.019	0.46625	0.61347	0.000951214	Intergenic	NA	NA
4	150203794	150203857	1	-0.229591	5	3.90E-05	0.00053	0.18752	0.41711	0.000237659	TSS	NM_012778	Aqp1
4	150212498	150212627	1	-0.285447	6	5.20E-08	6.50E-06	0.18662	0.47207	1.07E-06	Intragenic	NM_012778	Aqp1
4	150253969	150254142	1	-0.149403	7	2.00E-06	5.50E-05	0.069123	0.21853	2.10E-05	Intergenic	NA	NA
4	151811020	151811230	1	-0.077571	5	0.021	0.038	0.7899	0.86747	0.041207871	Intergenic	NA	NA
4	152520015	152520092	1	-0.289959	5	0.0013	0.015	0.52255	0.81251	0.004277683	Intergenic	NA	NA
4	153971978	153972005	1	-0.123001	5	2.20E-05	0.00014	0.41629	0.53929	0.000149617	TSS	NM_001044293	Nap1l5
4	154492820	154492900	1	-0.162579	7	0.00031	0.0021	0.37779	0.54037	0.001320549	Intergenic	NA	NA
4	157841707	157841790	1	-0.119342	5	0.019	0.058	0.48559	0.60493	0.038322088	Intergenic	NA	NA
4	158200674	158200723	1	-0.192667	5	7.80E-05	0.00014	0.18634	0.37901	0.000422981	Intergenic	NA	NA
4	159066823	159066928	1	-0.142458	5	0.0029	7.00E-05	0.52771	0.67017	0.008293503	Intragenic	NM_024379	Grid2
4	159666442	159666525	1	-0.119342	5	0.019	0.058	0.48559	0.60493	0.038322088	Intragenic	NM_024379	Grid2
4	162294486	162294534	1	-0.078955	5	0.012	0.024	0.60642	0.68537	0.026435197	Intergenic	NA	NA
4	162404391	162404522	1	0.166466	5	0.0016	0.057	0.86634	0.69988	0.005100053	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	162675440	162675649	0.038	-0.205744	8	7.10E-10	1.20E-07	0.063376	0.26912	2.45E-08	Intergenic	NA	NA
4	164017797	164017884	1	-0.318277	5	0.0027	0.0053	0.37732	0.6956	0.007840962	TSS	NM_031538	Cd8a
4	165026142	165026252	0.21	-0.234133	5	2.10E-07	6.60E-07	0.058158	0.29229	3.19E-06	Intergenic	NA	NA
4	165041114	165041195	1	-0.111437	5	0.013	0.18	0.15258	0.26402	0.028097302	Intergenic	NA	NA
4	165645852	165645922	1	-0.142663	7	0.017	0.017	0.057005	0.19967	0.034796287	TSS	NM_021261	Tmsb10
4	165671589	165671640	1	-0.17788	5	7.40E-07	7.50E-06	0.49594	0.67382	9.26E-06	Intergenic	NA	NA
4	167113428	167113497	1	-0.133138	5	0.013	0.025	0.41305	0.54619	0.028097302	Intergenic	NA	NA
4	167130555	167130624	1	-0.133138	5	0.013	0.025	0.41305	0.54619	0.028097302	Intergenic	NA	NA
4	168092147	168092216	1	-0.131326	5	0.014	0.025	0.41433	0.54566	0.029850603	Intergenic	NA	NA
4	169699670	169699745	1	-0.117838	8	0.019	0.12	0.58692	0.70476	0.038322088	Intergenic	NA	NA
4	176666964	176667161	1	-0.066427	7	0.0096	0.017	0.75247	0.8189	0.022155406	Intergenic	NA	NA
4	177136787	177136876	1	-0.272812	5	1.70E-06	3.30E-05	0.14461	0.41742	1.83E-05	Intergenic	NA	NA
4	177619432	177619562	1	-0.143421	5	4.40E-05	0.0018	0.076886	0.22031	0.000263321	Intergenic	NA	NA
4	178203456	178203582	1	-0.067593	5	0.011	0.039	0.079599	0.14719	0.02463877	Intergenic	NA	NA
4	178387203	178387311	1	-0.113547	5	0.016	0.087	0.10145	0.215	0.033288089	Intergenic	NA	NA
4	178388754	178388868	1	-0.165582	7	0.0011	0.017	0.32484	0.49042	0.003737263	Intergenic	NA	NA
4	178428271	178428431	1	-0.144704	8	0.0012	0.0034	0.16696	0.31167	0.004013471	Intragenic	NM_019272	Sema4f
4	179472175	179472256	1	0.133333	8	3.10E-07	5.10E-05	0.27734	0.144	4.47E-06	Intragenic	NM_024130	Dctn1
4	179478305	179478398	1	-0.187906	5	0.016	0.087	0.52716	0.71507	0.033288089	Intragenic	NM_024130	Dctn1
4	179553651	179553694	1	-0.319419	5	8.80E-05	0.00098	0.25112	0.57054	0.000466886	Intragenic	NM_212512	Slc4a5
4	179656527	179656654	1	-0.206338	9	0.00014	0.0038	0.40954	0.61588	0.000684451	Intergenic	NA	NA
4	179749024	179749074	1	-0.193043	5	0.00039	0.00053	0.099531	0.29257	0.001587612	Intergenic	NA	NA
4	180001098	180001147	1	-0.091192	5	0.0032	0.0054	0.052822	0.14401	0.008990975	Intragenic	NM_022637	Vax2
4	180029752	180029923	0.18	-0.142473	16	1.90E-10	5.50E-07	0.13519	0.27766	7.85E-09	Intergenic	NA	NA
4	180546597	180546764	1	-0.113563	7	0.014	0.036	0.2049	0.31846	0.029850603	Intergenic	NA	NA
4	180704319	180704463	1	-0.148171	5	0.0008	0.0018	0.057078	0.20525	0.002866309	Intergenic	NA	NA
4	181550329	181550403	1	-0.061793	12	2.40E-05	0.0014	0.14018	0.20197	0.000160049	Intergenic	NA	NA
4	181731510	181731563	1	-0.092827	5	0.00048	0.00099	0.025915	0.11874	0.001881331	Intergenic	NA	NA
4	182106440	182106534	1	-0.244538	5	5.60E-07	3.40E-06	0.053378	0.29792	7.29E-06	TSS	NM_080884	Nat8f5
4	182113548	182113700	1	-0.143885	8	1.30E-05	0.0022	0.58697	0.73085	9.66E-05	Intergenic	NA	NA
4	182865297	182865450	1	-0.098041	5	0.015	0.038	0.13779	0.23583	0.031584896	Intergenic	NA	NA
4	183759684	183759747	1	-0.142525	5	0.011	0.037	0.6425	0.78503	0.02463877	Intergenic	NA	NA
4	184278036	184278345	1	-0.078177	10	0.01	0.12	0.24757	0.32575	0.02275947	Intergenic	NA	NA
4	185367073	185367485	1	-0.070617	13	2.70E-05	5.80E-05	0.062262	0.13288	0.000178372	Intergenic	NA	NA
4	185367525	185367572	1	-0.125514	5	0.008	0.058	0.25779	0.38331	0.019059477	Intergenic	NA	NA
4	185373414	185373466	1	-0.118857	5	2.80E-05	0.00097	0.11334	0.2322	0.000182174	TSS	NM_033442	Gata2
4	185377587	185377858	1	-0.132559	9	0.00011	0.0012	0.15741	0.28997	0.000565143	Intragenic	NM_033442	Gata2
4	185689718	185689780	1	-0.102697	7	1.30E-05	0.00016	0.065099	0.1678	9.66E-05	Intergenic	NA	NA
4	186227697	186227934	1	-0.072663	9	0.02	0.13	0.17609	0.24875	0.039778219	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	186766292	186766375	1	-0.086021	15	0.00096	0.02	0.42403	0.51005	0.003358463	Intragenic	NM_001191974	Chst13
4	186766392	186766444	1	-0.101459	8	0.026	0.12	0.38576	0.48722	0.049234478	Intragenic	NM_001191974	Chst13
4	186766460	186766505	1	-0.079912	5	0.015	0.088	0.53054	0.61046	0.031584896	Intragenic	NM_001191974	Chst13
4	186910602	186910729	1	-0.237666	5	0.00039	0.00053	0.19356	0.43123	0.001587612	Intragenic	NM_053536	Klf15
4	187165708	187165766	1	-0.10877	5	0.008	0.024	0.099634	0.2084	0.019059477	Intergenic	NA	NA
4	187759332	187759476	0.095	-0.199918	7	1.30E-08	2.90E-07	0.015783	0.2157	3.10E-07	Intragenic	NM_001106610	Hdac11
4	188095025	188095333	1	-0.074042	5	0.021	0.088	0.078216	0.15226	0.041207871	Intergenic	NA	NA
4	188222584	188222648	1	-0.1875	6	1.60E-06	0.00017	0.074572	0.26207	1.75E-05	Intragenic	NM_017206	Slc6a6
4	188243907	188244103	1	-0.232447	5	0.00032	0.0018	0.11303	0.34548	0.001346443	TSS	NM_017206	Slc6a6
4	188314248	188314358	1	-0.154502	5	0.008	0.13	0.46985	0.62435	0.019059477	Intergenic	NA	NA
4	188589479	188589608	1	-0.121624	5	0.015	0.086	0.47118	0.5928	0.031584896	Intragenic	NM_001107877	Adamts9
4	191675404	191675455	1	-0.186244	5	0.0063	0.024	0.27938	0.46562	0.015629046	TSS	NM_001109250	Kbtbd8
4	192313519	192313700	1	-0.12866	12	0.00061	0.0037	0.37436	0.50302	0.002317537	Intragenic	NM_001100750	Suclg2
4	192748430	192748548	1	-0.132566	5	0.01	0.015	0.30225	0.43481	0.02275947	Intergenic	NA	NA
4	193875724	193875785	1	-0.073076	5	0.025	0.088	0.64426	0.71734	0.047453009	Intragenic	NM_001134700	Fam19a4
4	195003880	195004101	1	-0.184573	5	0.0011	0.015	0.10645	0.29102	0.003737263	Intergenic	NA	NA
4	195570072	195570181	1	-0.153874	7	0.0004	0.0034	0.18118	0.33506	0.00162337	Intergenic	NA	NA
4	195942124	195942599	1	-0.118316	8	0.0042	0.07	0.21609	0.33441	0.011250869	Intragenic	NM_001034131	Foxp1
4	196250100	196250333	1	-0.147222	7	0.0076	0.056	0.32243	0.46965	0.018313455	Intergenic	NA	NA
4	196528109	196528266	1	-0.064201	7	0.00013	0.0082	0.086173	0.15037	0.000648758	Intergenic	NA	NA
4	196535974	196536131	1	-0.064201	7	0.00013	0.0082	0.086173	0.15037	0.000648758	Intergenic	NA	NA
4	196787210	196787278	0.1	-0.266134	6	2.90E-08	3.20E-07	0.12508	0.39122	6.39E-07	Intergenic	NA	NA
4	196787297	196787549	1	-0.141001	16	0.011	0.038	0.34543	0.46403	0.02463877	Intergenic	NA	NA
4	197362066	197362180	1	-0.208706	5	7.00E-05	0.00028	0.16312	0.37182	0.000386221	Intergenic	NA	NA
4	197362560	197362605	1	-0.149979	5	0.00023	0.0032	0.29204	0.44202	0.00102405	Intergenic	NA	NA
4	197686466	197686554	1	-0.200428	5	7.80E-05	0.0032	0.24654	0.44697	0.000422981	Intergenic	NA	NA
4	198131419	198131504	1	-0.102976	5	0.0049	0.0091	0.65739	0.76037	0.012753585	Intergenic	NA	NA
4	204092111	204092270	1	-0.088815	5	0.0016	0.009	0.77775	0.86656	0.005100053	Intergenic	NA	NA
4	204105902	204106340	1	-0.105419	11	0.016	0.042	0.14706	0.25248	0.033288089	Intergenic	NA	NA
4	204177230	204177489	1	-0.285295	5	0.0032	0.00095	0.53934	0.82464	0.008990975	Intergenic	NA	NA
4	204601145	204601291	1	-0.245765	5	0.002	0.0018	0.20661	0.45237	0.006079939	Intergenic	NA	NA
4	204817345	204817481	1	-0.194129	5	0.00072	0.0017	0.093908	0.28804	0.002634665	Intragenic	NM_001007235:N M_001270596:N M_001270597	Itpr1:Itpr1:Itpr1
4	207683062	207683169	1	-0.11979	5	0.025	0.039	0.39884	0.51863	0.047453009	TSS	NM_019155	Cav3
4	208415823	208415871	1	-0.069304	5	0.015	0.088	0.25074	0.32004	0.031584896	Intergenic	NA	NA
4	208852029	208852189	0.00057	-0.24292	12	6.30E-13	1.80E-09	0.11424	0.35716	5.05E-11	TSS	NM_001109251	Fancd2os
4	208926203	208926304	1	-0.143046	5	0.0053	0.025	0.22073	0.36377	0.013591571	Intragenic	NM_001025422	Irak2
4	209097942	209098017	1	-0.184102	5	0.015	0.13	0.39884	0.58295	0.031584896	Intragenic	NM_012508	Atp2b2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	209834754	209834985	1	-0.248659	5	9.80E-05	7.10E-05	0.40501	0.65366	0.000512474	Intergenic	NA	NA
4	209846205	209846311	1	-0.076399	8	0.013	0.0081	0.23741	0.3138	0.028097302	Intergenic	NA	NA
4	210273659	210273807	1	-0.146786	5	0.00032	0.0055	0.62316	0.76995	0.001346443	Intergenic	NA	NA
4	210723614	210723885	1	-0.187654	7	3.60E-05	0.0007	0.15454	0.3422	0.000223919	Intragenic	NM_019159	Syn2
4	214075968	214076050	1	-0.060703	7	0.022	0.1	0.67896	0.73966	0.043064669	Intergenic	NA	NA
4	214718271	214718351	1	-0.188991	5	0.0016	0.0055	0.33405	0.52304	0.005100053	Intragenic	NM_001024275	Rassf4
4	214782072	214782190	1	-0.246957	7	6.00E-05	0.0014	0.3662	0.61316	0.000341554	TSS	NM_001108643	Tmem72
4	214823917	214824227	1	-0.108194	8	0.011	0.05	0.31414	0.42233	0.02463877	Intergenic	NA	NA
4	215423677	215423992	1	-0.187301	11	4.80E-06	0.00095	0.22789	0.41519	4.29E-05	Intergenic	NA	NA
4	216152308	216152379	1	-0.11009	5	0.0045	0.059	0.70851	0.8186	0.011905878	Intragenic	NM_012643:NM_001110099	Ret:Ret
4	217288195	217288278	1	-0.187117	5	7.80E-05	0.0018	0.3492	0.53632	0.000422981	Intragenic	NM_001191751	Cacna2d4
4	217414857	217414952	1	-0.163802	7	0.00083	0.054	0.28948	0.45328	0.002961434	Intragenic	NM_001100489	Wnt5b
4	219073749	219073822	0.38	-0.072895	7	1.60E-05	1.20E-06	0.015461	0.088357	0.000115757	TSS	NM_001271276	Fbxl14
4	219085912	219086084	1	-0.177608	5	0.0035	0.015	0.18234	0.35995	0.009686665	Intergenic	NA	NA
4	220228703	220228990	1	-0.184153	5	0.00036	0.003	0.10563	0.28979	0.001486639	Intergenic	NA	NA
4	220540909	220541002	1	-0.093552	7	3.90E-05	0.0034	0.043181	0.13673	0.000237659	Intragenic	NM_022684	Bid
4	220735200	220735323	1	-0.230367	5	2.20E-06	0.00014	0.087945	0.31831	2.27E-05	Intergenic	NA	NA
4	224287608	224287763	1	-0.171783	10	8.70E-09	2.50E-05	0.16644	0.33822	2.21E-07	Intragenic	NM_017228	Atn1
4	224443444	224443468	1	-0.055333	5	0.021	0.13	0.036357	0.09169	0.041207871	Intragenic	NM_212513	Lag3
4	224453228	224453356	1	-0.162428	5	1.20E-05	0.00053	0.027255	0.18968	9.15E-05	Intragenic	NM_031975	Ptms
4	224589477	224589589	1	-0.134497	5	0.012	0.024	0.23184	0.36634	0.026435197	Intergenic	NA	NA
4	224613139	224613189	1	-0.140668	5	1.70E-05	3.50E-05	0.039734	0.1804	0.000120524	Intergenic	NA	NA
4	224695659	224695804	1	-0.070035	5	0.00036	0.0055	0.046304	0.11634	0.001486639	TSS	NM_017008	Gapdh
4	224845149	224845268	1	-0.135116	5	1.00E-05	3.40E-05	0.059947	0.19506	7.82E-05	TSS	NM_001008315	Ltbr
4	224845775	224846123	1	-0.114128	5	0.00029	0.0018	0.091998	0.20613	0.001239307	TSS	NM_001008315	Ltbr
4	224853854	224854152	1	-0.097422	12	1.10E-05	0.0019	0.13082	0.22824	8.53E-05	TSS	NM_031548	Scnn1a
4	225095128	225095218	1	-0.114119	5	0.0074	0.00053	0.38762	0.50174	0.017853001	Intergenic	NA	NA
4	225149651	225150169	1	-0.127906	17	4.00E-06	4.50E-06	0.20023	0.32813	3.71E-05	Intragenic	NM_053889	Vwf
4	226076263	226076335	1	-0.188582	5	7.10E-06	3.40E-05	0.17307	0.36165	5.86E-05	TSS	NM_012972	Kcna5
4	226925819	226925943	1	-0.11505	8	0.00025	0.013	0.11003	0.22508	0.001103692	Intergenic	NA	NA
4	226957076	226957218	1	-0.210704	7	5.80E-07	3.00E-05	0.12247	0.33317	7.50E-06	Intragenic	NM_001191863	Fkbp4
4	227107994	227108254	1	-0.095673	10	0.0014	0.051	0.1666	0.26228	0.004540837	Intergenic	NA	NA
4	227108810	227108924	1	-0.118503	5	0.0068	0.038	0.21064	0.32914	0.016642688	Intergenic	NA	NA
4	227274139	227274338	0.11	-0.187013	17	1.40E-10	3.50E-07	0.2435	0.43051	6.05E-09	TSS	NM_001024337	LOC500331
4	227302712	227302886	1	-0.226796	10	8.00E-05	0.0079	0.38123	0.60803	0.000432266	Intergenic	NA	NA
4	227350877	227351076	0.11	-0.187013	17	1.40E-10	3.50E-07	0.2435	0.43051	6.05E-09	TSS	NM_001024337	LOC500331
4	229189264	229189307	1	-0.054259	5	0.0022	0.0092	0.10454	0.1588	0.006578104	Intergenic	NA	NA
4	229189637	229189744	1	-0.052918	5	0.0035	0.0018	0.01861	0.071529	0.009686665	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	229192551	229192613	1	-0.056303	7	0.00031	0.0054	0.093323	0.14963	0.001320549	Intergenic	NA	NA
4	229212387	229212450	1	-0.116789	7	0.001	0.0033	0.20315	0.31993	0.003452169	Intergenic	NA	NA
4	230651923	230652090	1	-0.229039	9	2.90E-05	0.00049	0.39246	0.6215	0.000187968	Intergenic	NA	NA
4	231594370	231594623	0.58	-0.181862	9	1.20E-08	1.80E-06	0.10533	0.2872	2.88E-07	Intergenic	NA	NA
4	231800330	231800504	0.037	-0.344561	5	6.30E-08	1.10E-07	0.023327	0.36789	1.18E-06	Intergenic	NA	NA
4	231922922	231922959	1	-0.146413	5	0.017	0.015	0.2078	0.35421	0.034796287	Intragenic	NM_022267	Ccnd2
4	232049412	232049847	0.86	-0.136945	14	2.90E-10	2.70E-06	0.1008	0.23775	1.15E-08	TSS	NM_131908	Fgf6
4	232415932	232416019	0.011	-0.212994	7	8.00E-10	3.30E-08	0.039664	0.25266	2.72E-08	Intergenic	NA	NA
4	232416065	232416186	1	-0.108191	5	0.0045	0.015	0.12684	0.23503	0.011905878	Intergenic	NA	NA
4	232637561	232637618	0.011	-0.289466	7	1.60E-09	3.30E-08	0.17814	0.46761	5.01E-08	Intergenic	NA	NA
4	232998223	232998246	1	-0.129882	5	0.00044	0.0055	0.15916	0.28904	0.001760146	Intergenic	NA	NA
4	233032621	233032820	1	-0.175289	7	3.40E-05	0.00082	0.14901	0.32429	0.000214477	Intergenic	NA	NA
4	233085618	233085696	1	-0.303351	7	1.20E-08	4.50E-06	0.1798	0.48315	2.88E-07	Intergenic	NA	NA
4	233167596	233167711	1	-0.218128	5	0.00017	0.0055	0.45322	0.67135	0.000806192	Intergenic	NA	NA
4	234057642	234057734	0.086	-0.233784	5	2.50E-06	2.70E-07	0.11341	0.3472	2.52E-05	Intragenic	NM_012574	Grin2b
4	234131302	234131415	1	-0.086612	7	0.017	0.036	0.73238	0.819	0.034796287	Intragenic	NM_012574	Grin2b
4	234865543	234865692	1	-0.155372	10	0.018	0.041	0.4837	0.63907	0.036742993	Intragenic	NM_001013927	Plbd1
4	235316612	235316750	1	-0.146438	5	1.90E-05	3.40E-05	0.070897	0.21734	0.000131674	Intergenic	NA	NA
4	235368541	235368628	1	-0.274334	5	6.20E-05	0.0031	0.27648	0.55082	0.000349462	Intergenic	NA	NA
4	235712926	235713088	1	-0.164416	5	9.80E-05	0.0018	0.11614	0.28055	0.000512474	Intragenic	NM_017336	Ptpro
4	236722890	236723130	1	-0.146072	5	0.0027	0.0018	0.15362	0.29969	0.007840962	Intergenic	NA	NA
4	237907704	237907814	1	-0.137532	5	0.0049	0.025	0.18695	0.32448	0.012753585	Intergenic	NA	NA
4	238120347	238120504	1	-0.104	8	0.00035	0.0078	0.64945	0.75345	0.001465488	Intragenic	NM_053923	Pik3c2g
4	238209887	238209926	1	0.209009	5	0.016	0.13	0.84013	0.63112	0.033288089	Intragenic	NM_053923	Pik3c2g
4	238478897	238479003	1	-0.200551	5	0.011	0.13	0.35431	0.55486	0.02463877	Intergenic	NA	NA
4	238636005	238636233	1	-0.155474	6	2.40E-05	0.00054	0.085778	0.24125	0.000160049	Intergenic	NA	NA
4	239014492	239014544	1	-0.247991	5	0.00023	0.015	0.35775	0.60574	0.00102405	Intergenic	NA	NA
4	239783219	239783330	1	-0.190542	5	0.00072	0.0018	0.13203	0.32258	0.002634665	Intragenic	NM_017337	Pde3a
4	240381052	240381204	1	-0.080061	7	0.0083	0.055	0.55943	0.63949	0.019719474	Intragenic	NM_017111	Slco1a1
4	240512931	240513020	1	-0.284559	5	2.80E-05	0.00028	0.21796	0.50252	0.000182174	Intragenic	NM_030837	Slc21a4
4	240513369	240513497	1	-0.22902	5	0.0011	0.0018	0.27107	0.50009	0.003737263	TSS	NM_030837	Slc21a4
4	240515284	240515342	1	-0.113987	5	0.00021	0.0018	0.80902	0.92301	0.000951214	TSS	NM_030837	Slc21a4
4	241351336	241351401	1	-0.189252	8	2.60E-05	0.00061	0.24402	0.43328	0.00017262	Intragenic	NM_012813	St8sia1
4	241377210	241377360	1	-0.144616	6	0.02	0.12	0.41383	0.55845	0.039778219	Intragenic	NM_012813	St8sia1
4	241593961	241594094	1	-0.153927	5	2.90E-06	1.60E-05	0.11167	0.2656	2.84E-05	Intergenic	NA	NA
4	241704751	241704811	1	-0.164382	5	0.015	0.18	0.26475	0.42914	0.031584896	Intergenic	NA	NA
4	242271432	242271502	1	-0.180824	5	1.50E-05	1.60E-05	0.21498	0.3958	0.000109113	Intragenic	NM_001271267	Sox5
4	242469884	242469987	1	-0.326377	5	5.50E-06	0.00014	0.10137	0.42775	4.78E-05	Intragenic	NM_001271267	Sox5
4	242477429	242477526	0.089	-0.230232	5	3.20E-07	2.80E-07	0.31678	0.54702	4.57E-06	Intragenic	NM_001271267	Sox5

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	243246853	243247038	1	-0.16319	5	0.0016	0.015	0.099275	0.26246	0.005100053	Intergenic	NA	NA
4	243491188	243491244	1	-0.051028	5	0.019	0.015	0.077874	0.1289	0.038322088	TSS	NM_017253	Bcat1
4	243566619	243566667	1	-0.200334	5	0.00054	0.015	0.22854	0.42888	0.002077867	Intergenic	NA	NA
4	243584944	243585580	1	-0.118332	15	0.00084	0.011	0.57472	0.69306	0.002993559	Intergenic	NA	NA
4	243805577	243805769	1	-0.156027	10	2.60E-07	0.00024	0.13891	0.29494	3.84E-06	Intergenic	NA	NA
4	243938051	243938362	1	-0.189202	9	0.00024	0.016	0.19898	0.38818	0.001064629	Intergenic	NA	NA
4	244171822	244172037	1	-0.142803	5	0.025	0.18	0.21361	0.35642	0.047453009	Intergenic	NA	NA
4	244536498	244536625	1	-0.1535	7	0.0041	0.038	0.37795	0.53145	0.01100507	Intergenic	NA	NA
4	245005937	245005960	1	-0.074271	5	0.013	0.015	0.1578	0.23207	0.028097302	Intergenic	NA	NA
4	245420125	245420207	0.47	-0.109726	5	3.30E-06	1.50E-06	0.018381	0.12811	3.16E-05	Intergenic	NA	NA
4	245483199	245483256	1	-0.171621	5	0.0011	0.015	0.17902	0.35064	0.003737263	Intragenic	NM_001107896	Ppfibp1
4	246784336	246784409	1	-0.18154	5	3.90E-05	0.00053	0.50362	0.68516	0.000237659	Intergenic	NA	NA
4	246785089	246785144	1	-0.254788	5	0.00021	0.0055	0.56151	0.8163	0.000951214	Intergenic	NA	NA
4	246879804	246880025	1	-0.195064	12	5.20E-06	9.30E-05	0.32506	0.52013	4.61E-05	TSS	NM_001109612	Rps4y2
4	247771232	247771314	1	-0.133764	7	0.00083	0.0012	0.58602	0.71979	0.002961434	Intergenic	NA	NA
5	242351	242783	1	-0.112105	7	0.022	0.037	0.16228	0.27438	0.043064669	Intergenic	NA	NA
5	843350	843367	1	-0.290237	5	2.50E-06	7.50E-06	0.3878	0.67804	2.52E-05	Intergenic	NA	NA
5	1059702	1059881	1	-0.262842	5	0.0013	0.024	0.20673	0.46957	0.004277683	Intergenic	NA	NA
5	2073608	2073741	5.30E-16	-0.125743	20	4.30E-14	1.60E-21	0.039013	0.16476	6.64E-12	Intergenic	NA	NA
5	2213966	2214044	1	-0.291884	5	8.10E-06	0.00014	0.37451	0.66639	6.58E-05	Intergenic	NA	NA
5	2899748	2899959	1	-0.089555	10	0.017	0.092	0.63052	0.72007	0.034796287	Intergenic	NA	NA
5	4526476	4526564	0.0017	-0.372321	7	4.80E-10	5.30E-09	0.215	0.58732	1.75E-08	Intergenic	NA	NA
5	10576762	10576879	0.012	-0.25013	11	1.90E-09	3.70E-08	0.18971	0.43984	5.77E-08	Intergenic	NA	NA
5	10581591	10581633	1	-0.067613	5	0.023	0.13	0.13836	0.20598	0.04441443	Intergenic	NA	NA
5	10643807	10643960	1	-0.09932	9	0.0052	0.012	0.3241	0.42342	0.013458626	Intergenic	NA	NA
5	10860314	10860487	1	-0.077108	5	0.01	0.088	0.089814	0.16692	0.02275947	Intragenic	NM_134378	Sulf1
5	14228457	14228646	0.053	-0.1768	9	1.80E-08	1.60E-07	0.092574	0.26937	4.21E-07	TSS	NM_001025423	Adhfe1
5	15448071	15448323	1	-0.085506	5	0.00059	0.00014	0.7669	0.8524	0.002242971	Intergenic	NA	NA
5	15967416	15967446	0.49	-0.397442	5	2.40E-07	1.50E-06	0.20105	0.5985	3.57E-06	Intergenic	NA	NA
5	18947032	18947082	1	-0.061857	5	0.025	0.038	0.87822	0.94007	0.047453009	Intergenic	NA	NA
5	20195021	20195422	1	-0.208476	7	0.00014	0.0033	0.25716	0.46564	0.000684451	Intergenic	NA	NA
5	26231943	26232052	1	-0.093696	5	0.0012	0.025	0.59454	0.68824	0.004013471	Intergenic	NA	NA
5	26256045	26256439	1	-0.066988	15	0.019	0.041	0.59765	0.66464	0.038322088	Intergenic	NA	NA
5	26480586	26480612	1	-0.21251	5	3.70E-07	7.60E-06	0.22494	0.43745	5.21E-06	Intergenic	NA	NA
5	26605158	26605237	1	-0.179812	5	0.00019	0.00093	0.12089	0.3007	0.000879857	Intergenic	NA	NA
5	26741246	26741332	1	-0.055589	5	0.00054	0.015	0.035289	0.090878	0.002077867	Intergenic	NA	NA
5	26741335	26741379	1	-0.054185	5	0.0027	0.024	0.038325	0.09251	0.007840962	Intergenic	NA	NA
5	26742459	26742631	1	-0.179861	5	0.0017	0.0017	0.096522	0.27638	0.005339493	Intergenic	NA	NA
5	26887521	26887657	1	-0.13745	5	4.40E-05	0.0018	0.091191	0.22864	0.000263321	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	26915101	26915242	1	-0.091496	7	0.012	0.012	0.17025	0.26175	0.026435197	Intergenic	NA	NA
5	27036379	27036478	1	-0.138014	5	0.0016	0.0032	0.19277	0.33078	0.005100053	Intergenic	NA	NA
5	27171031	27171219	1	-0.156176	5	0.002	0.024	0.15675	0.31293	0.006079939	Intragenic	NM_001108969	Clvs1
5	28117816	28117892	1	-0.259426	5	0.0008	0.0055	0.35778	0.61721	0.002866309	Intergenic	NA	NA
5	28905270	28905346	1	-0.259426	5	0.0008	0.0055	0.35778	0.61721	0.002866309	Intergenic	NA	NA
5	28949792	28949924	1	-0.062241	6	0.013	0.04	0.076147	0.13839	0.028097302	Intergenic	NA	NA
5	28952269	28952407	1	-0.168226	5	6.30E-06	7.00E-05	0.10175	0.26997	5.33E-05	Intergenic	NA	NA
5	28966371	28966620	1	-0.151615	6	0.00042	0.011	0.105	0.25662	0.001700519	Intergenic	NA	NA
5	29098775	29098854	1	-0.183034	5	6.30E-06	0.00028	0.080114	0.26315	5.33E-05	Intergenic	NA	NA
5	30002703	30002766	1	-0.116789	7	0.001	0.0033	0.20315	0.31993	0.003452169	Intergenic	NA	NA
5	32556935	32557428	1	-0.132143	11	0.0002	0.013	0.29736	0.4295	0.00092049	Intergenic	NA	NA
5	33530170	33530222	1	-0.061338	6	1.80E-05	0.00017	0.020682	0.08202	0.000127015	Intergenic	NA	NA
5	33530344	33530375	1	-0.056502	5	0.02	0.038	0.044624	0.10113	0.039778219	Intergenic	NA	NA
5	35870199	35870278	1	-0.14828	8	1.50E-05	0.00041	0.62737	0.77565	0.000109113	Intergenic	NA	NA
5	37825251	37825317	1	-0.111814	5	0.019	0.13	0.15706	0.26887	0.038322088	Intragenic	NM_001271238	Cngb3
5	38074863	38074904	1	0.100731	5	0.002	0.0055	0.94156	0.84083	0.006079939	Intragenic	NM_001271238	Cngb3
5	39770296	39770668	1	-0.345186	8	3.70E-08	4.40E-06	0.36438	0.70956	7.87E-07	Intergenic	NA	NA
5	42945450	42945588	1	-0.083535	5	0.011	0.0054	0.12521	0.20875	0.02463877	Intergenic	NA	NA
5	47011891	47011964	1	-0.067281	5	0.0058	0.039	0.12495	0.19223	0.014624129	Intergenic	NA	NA
5	47689177	47689250	1	-0.067281	5	0.0058	0.039	0.12495	0.19223	0.014624129	Intergenic	NA	NA
5	48935326	48935512	1	-0.121325	9	0.00057	0.016	0.54028	0.6616	0.002190499	Intergenic	NA	NA
5	50111467	50111496	1	-0.235273	5	5.00E-05	0.0018	0.55898	0.79425	0.000291675	Intergenic	NA	NA
5	52007445	52007551	1	-0.187037	5	0.0094	0.009	0.15515	0.34219	0.021723038	Intergenic	NA	NA
5	52257351	52257476	1	-0.226575	5	0.017	0.18	0.37113	0.5977	0.034796287	Intragenic	NM_001135754	Bach2
5	52704744	52704870	1	-0.145476	5	0.0022	0.015	0.35519	0.50066	0.006578104	Intragenic	NM_001134969	Ankrd6
5	52745709	52746070	1	-0.128386	7	0.0004	0.013	0.19401	0.3224	0.00162337	Intragenic	NM_001134969	Ankrd6
5	53084210	53084305	1	-0.165135	5	2.80E-05	0.00098	0.085134	0.25027	0.000182174	Intragenic	NM_173322	Pnrc1
5	55012256	55012379	0.00019	-0.26389	7	1.30E-10	5.90E-10	0.026914	0.2908	5.70E-09	Intragenic	NM_001108970	Mob3b
5	55047013	55047207	0.089	-0.193336	5	1.30E-07	2.80E-07	0.040372	0.23371	2.11E-06	Intragenic	NM_001108970	Mob3b
5	55714096	55714219	0.00019	-0.26389	7	1.30E-10	5.90E-10	0.026914	0.2908	5.70E-09	Intergenic	NA	NA
5	55748856	55749050	0.089	-0.193336	5	1.30E-07	2.80E-07	0.040372	0.23371	2.11E-06	Intergenic	NA	NA
5	56382431	56382541	1	-0.122468	5	0.0032	0.038	0.71553	0.838	0.008990975	Intergenic	NA	NA
5	57189906	57190077	1	-0.160563	5	0.0074	0.039	0.57723	0.73779	0.017853001	Intergenic	NA	NA
5	61163355	61163395	1	-0.158448	5	0.0024	0.0054	0.61501	0.77346	0.00705499	Intergenic	NA	NA
5	61760156	61760207	1	-0.119323	5	7.80E-05	0.00053	0.066123	0.18545	0.000422981	Intergenic	NA	NA
5	61760483	61760540	1	-0.159691	5	9.20E-06	0.00014	0.13418	0.29387	7.32E-05	Intergenic	NA	NA
5	61921351	61921529	1	-0.162286	8	2.80E-06	0.00025	0.10802	0.27031	2.79E-05	Intergenic	NA	NA
5	61941314	61942107	0.059	-0.165124	25	2.10E-09	1.80E-07	0.53868	0.70381	6.26E-08	Intergenic	NA	NA
5	62687831	62688004	1	-0.05433	8	0.0019	0.026	0.040038	0.094368	0.005855937	TSS	NM_001108660	Ccl27

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	62904562	62904632	1	-0.128843	5	0.0087	0.13	0.63798	0.76682	0.020391633	Intergenic	NA	NA
5	62917634	62917847	1	-0.100522	7	6.00E-05	0.0054	0.057247	0.15777	0.000341554	TSS	NM_001108004	Dnajb5
5	63398748	63398989	1	-0.13797	5	0.017	0.088	0.31483	0.4528	0.034796287	Intergenic	NA	NA
5	63492422	63492462	1	-0.160683	5	0.0024	0.0054	0.61809	0.77878	0.00705499	Intergenic	NA	NA
5	63534632	63534728	1	-0.060389	5	0.017	0.18	0.071917	0.13231	0.034796287	TSS	NM_001107956	Car9
5	63661987	63662141	1	-0.183818	5	0.017	0.18	0.51844	0.70225	0.034796287	Intragenic	NM_053838	Npr2
5	64392746	64392788	0.0057	-0.281809	5	6.30E-08	1.80E-08	0.28139	0.5632	1.18E-06	Intergenic	NA	NA
5	64392827	64392894	1	-0.185668	5	0.00054	0.00028	0.10976	0.29542	0.002077867	Intergenic	NA	NA
5	64586780	64586864	1	-0.238434	5	0.00011	0.00096	0.22716	0.46559	0.000565143	Intragenic	NM_001109261	Pax5
5	64610491	64610600	1	-0.115105	5	0.0053	0.0052	0.17344	0.28855	0.013591571	Intragenic	NM_001109261	Pax5
5	65040927	65040993	0.48	-0.29092	5	4.20E-07	1.50E-06	0.17895	0.46986	5.76E-06	Intragenic	NM_001113754	Grhpr
5	65468546	65468671	1	-0.131334	5	0.0045	0.0052	0.22436	0.35569	0.011905878	Intergenic	NA	NA
5	65506979	65507024	1	-0.147652	5	1.30E-06	3.50E-05	0.096299	0.24395	1.46E-05	Intergenic	NA	NA
5	65520133	65520380	1	-0.15223	6	0.00062	0.0009	0.1633	0.31553	0.002348106	Intergenic	NA	NA
5	65546802	65547022	1	-0.146943	8	8.80E-05	0.0025	0.21582	0.36276	0.000466886	Intergenic	NA	NA
5	66166466	66166581	1	-0.161517	6	0.026	0.16	0.54183	0.70334	0.049234478	Intragenic	NM_013044	Tmod1
5	66229395	66229427	1	-0.143535	5	0.0074	0.057	0.31036	0.45389	0.017853001	Intragenic	NM_001108663	Tstd2
5	66297666	66297808	1	-0.10745	7	0.021	0.054	0.23614	0.34359	0.041207871	Intragenic	NM_001106656	Xpa
5	66581393	66581563	1	-0.157663	5	0.012	0.088	0.3199	0.47756	0.026435197	Intergenic	NA	NA
5	66985618	66985870	1	-0.159466	12	4.00E-06	8.00E-05	0.2146	0.37406	3.71E-05	Intragenic	NM_031802	Gabbr2
5	67397845	67397997	0.035	-0.270807	10	3.10E-10	1.10E-07	0.20718	0.47799	1.21E-08	Intragenic	NM_001100535	Col15a1
5	68305310	68305404	0.32	-0.086106	9	1.30E-08	9.80E-07	0.050168	0.13627	3.10E-07	Intragenic	NM_031628	Nr4a3
5	68989258	68989410	0.035	-0.270807	10	3.10E-10	1.10E-07	0.20718	0.47799	1.21E-08	Intergenic	NA	NA
5	72590143	72590231	1	-0.144604	5	0.017	0.038	0.30764	0.45225	0.034796287	Intergenic	NA	NA
5	73244484	73244686	1	-0.077968	8	0.012	0.034	0.64811	0.72607	0.026435197	Intergenic	NA	NA
5	73379705	73379880	1	-0.061863	5	0.0029	0.024	0.05705	0.11891	0.008293503	Intergenic	NA	NA
5	74926169	74926335	1	-0.165347	6	0.0074	0.04	0.37212	0.53747	0.017853001	Intergenic	NA	NA
5	74986335	74986367	1	-0.242888	5	0.00044	0.00052	0.30337	0.54626	0.001760146	Intergenic	NA	NA
5	75308117	75308299	1	-0.106507	7	0.0062	0.0081	0.25866	0.36517	0.015570617	Intergenic	NA	NA
5	75537173	75537347	1	-0.136059	8	4.20E-05	2.90E-05	0.55156	0.68762	0.00025452	Intergenic	NA	NA
5	76245483	76245663	1	-0.124134	7	0.021	0.037	0.75454	0.87867	0.041207871	Intergenic	NA	NA
5	77635126	77635446	1	-0.103767	11	0.0021	0.0078	0.16195	0.26572	0.006364615	Intergenic	NA	NA
5	79049278	79049371	1	-0.15768	5	1.00E-05	0.00053	0.054461	0.21214	7.82E-05	Intergenic	NA	NA
5	79078921	79078956	1	-0.25118	5	1.30E-06	1.60E-05	0.27868	0.52986	1.46E-05	Intergenic	NA	NA
5	79125335	79125429	1	-0.222141	6	9.20E-07	9.10E-05	0.078208	0.30035	1.11E-05	Intragenic	NM_001011974:NM_001309260	Akap2:Akap2
5	79145878	79146029	0.022	-0.137627	7	4.00E-08	6.70E-08	0.061227	0.19885	8.43E-07	Intergenic	NA	NA
5	79159469	79159748	1	-0.1151	5	7.00E-05	0.00028	0.068571	0.18367	0.000386221	Intergenic	NA	NA
5	79371365	79371501	1	-0.142607	7	0.002	0.0035	0.57515	0.71775	0.006079939	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	79988758	79988811	1	-0.162195	5	1.70E-05	7.40E-06	0.10866	0.27086	0.000120524	Intergenic	NA	NA
5	80351999	80352045	1	-0.093198	5	0.0087	0.088	0.64086	0.73406	0.020391633	Intergenic	NA	NA
5	80653176	80653289	1	-0.207083	5	0.00072	0.00052	0.46407	0.67115	0.002634665	Intergenic	NA	NA
5	80718228	80718371	1	-0.071567	5	0.0035	0.0017	0.80166	0.87323	0.009686665	Intergenic	NA	NA
5	81199775	81199879	1	-0.163455	5	0.0024	0.0054	0.10078	0.26424	0.00705499	Intragenic	NM_001106651	Snx30
5	82489173	82489267	1	-0.238211	5	8.10E-06	3.50E-05	0.13017	0.36838	6.58E-05	Intragenic	NM_012899	Alad
5	82570620	82570809	0.0046	-0.133269	8	4.10E-09	1.40E-08	0.02102	0.15429	1.10E-07	Intergenic	NA	NA
5	82686945	82686971	1	-0.098975	5	0.014	0.015	0.3118	0.41077	0.029850603	Intragenic	NM_019340	Rgs3
5	83125485	83126280	3.50E-14	-0.191722	30	4.50E-14	1.10E-19	0.096016	0.28774	6.64E-12	TSS	NM_001012102	Kif12
5	83170814	83171072	1	-0.052128	11	0.00019	0.0056	0.03379	0.085918	0.000879857	TSS	NM_198747	Col27a1
5	83175912	83176139	0.039	-0.266433	8	7.80E-10	1.20E-07	0.081966	0.3484	2.68E-08	Intragenic	NM_198747	Col27a1
5	83352384	83352466	1	-0.258099	6	1.40E-06	0.00017	0.20147	0.45957	1.57E-05	Intragenic	NM_181088	Dfnb31
5	95165386	95165551	1	-0.092748	9	1.60E-06	4.80E-05	0.093008	0.18576	1.75E-05	Intergenic	NA	NA
5	95168368	95168434	1	-0.05106	5	0.0035	0.015	0.079163	0.13022	0.009686665	Intergenic	NA	NA
5	95168446	95168493	1	-0.064274	5	0.00048	0.0018	0.080582	0.14486	0.001881331	Intergenic	NA	NA
5	95169613	95169629	1	0.102116	5	0.00088	0.038	0.22839	0.12627	0.003092094	Intergenic	NA	NA
5	95169679	95169702	1	-0.116128	5	0.0032	0.00098	0.2079	0.32403	0.008990975	Intergenic	NA	NA
5	95170807	95170829	1	-0.051564	5	0.00029	0.00014	0.10989	0.16146	0.001239307	Intergenic	NA	NA
5	95170983	95171041	1	-0.073707	14	0.00013	0.00031	0.087572	0.15406	0.000648758	Intergenic	NA	NA
5	95172207	95172402	1	-0.054209	21	0.00088	0.0012	0.098338	0.14284	0.003092094	TSS	NR_046238	Rn5-8s
5	95173263	95173282	1	-0.074221	5	0.019	0.059	0.11782	0.19204	0.038322088	TSS	NR_046238	Rn5-8s
5	95173565	95173595	1	0.05982	5	0.002	0.024	0.18701	0.12719	0.006079939	TSS	NR_046238	Rn5-8s
5	95173702	95173732	1	0.118706	5	5.60E-05	0.00052	0.2517	0.133	0.000320912	TSS	NR_046238	Rn5-8s
5	95177867	95177882	1	-0.277318	5	0.0012	0.00053	0.20284	0.48016	0.004013471	TSS	NR_046238	Rn5-8s
5	95178029	95178050	1	0.076112	5	0.012	0.088	0.22827	0.15216	0.026435197	TSS	NR_046238	Rn5-8s
5	95179969	95180171	1	0.114402	31	0.0039	0.059	0.13015	0.096684	0.010605635	Intergenic	NA	NA
5	96590682	96590806	1	-0.097771	5	0.016	0.025	0.72751	0.82528	0.033288089	Intergenic	NA	NA
5	99699692	99699750	1	-0.077404	5	0.0087	0.0031	0.79617	0.87357	0.020391633	Intergenic	NA	NA
5	102616593	102616675	1	-0.14964	5	7.00E-05	0.00052	0.11138	0.26102	0.000386221	Intergenic	NA	NA
5	102622833	102623013	1	-0.129942	5	0.00029	0.00053	0.063709	0.19365	0.001239307	Intergenic	NA	NA
5	102704384	102704440	0.0058	-0.33913	5	6.30E-08	1.80E-08	0.10624	0.44537	1.18E-06	Intergenic	NA	NA
5	103760968	103761028	1	-0.221915	5	3.10E-05	0.00053	0.21203	0.43394	0.000197418	Intergenic	NA	NA
5	104368871	104368987	1	-0.130386	5	0.0019	0.059	0.2037	0.33409	0.005855937	Intergenic	NA	NA
5	105826227	105826379	1	-0.058267	7	0.017	0.14	0.74166	0.79993	0.034796287	Intergenic	NA	NA
5	106981692	106981776	1	0.057909	5	0.00072	0.00095	0.95454	0.89663	0.002634665	Intergenic	NA	NA
5	108969033	108969053	1	-0.168278	5	0.0068	0.0089	0.35379	0.52207	0.016642688	Intergenic	NA	NA
5	108969076	108969109	1	-0.179846	5	2.90E-06	1.60E-05	0.12949	0.30933	2.84E-05	Intergenic	NA	NA
5	109033313	109033404	1	-0.210038	5	7.10E-06	7.00E-05	0.077775	0.28781	5.86E-05	Intergenic	NA	NA
5	109470232	109470311	1	-0.165549	8	0.0011	0.026	0.47721	0.64276	0.003737263	Intragenic	NM_031743	Slc24a2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	109715365	109715620	1	-0.12901	5	0.0022	0.015	0.14667	0.27568	0.006578104	Intergenic	NA	NA
5	110579080	110579139	1	-0.120711	5	0.0038	0.038	0.69531	0.81602	0.010352437	Intergenic	NA	NA
5	111811292	111811353	1	-0.078549	5	0.0068	0.038	0.1049	0.18345	0.016642688	Intergenic	NA	NA
5	112327533	112327592	1	0.050816	5	0.0094	0.038	0.91616	0.86534	0.021723038	Intergenic	NA	NA
5	114905927	114906079	1	-0.079259	7	0.0087	0.055	0.56027	0.63953	0.020391633	Intergenic	NA	NA
5	117725300	117725449	1	-0.185862	5	0.0016	0.038	0.17725	0.36311	0.005100053	Intragenic	NM_001105737	Tek
5	117983982	117984048	1	-0.092819	5	0.0012	0.0005	0.16292	0.25574	0.004013471	Intergenic	NA	NA
5	120450953	120451062	1	-0.21291	5	0.00012	0.0017	0.12389	0.3368	0.000603617	Intragenic	NM_012988	Nfia
5	120461834	120461960	1	-0.298426	7	1.20E-05	3.00E-05	0.13158	0.43001	9.15E-05	Intragenic	NM_012988	Nfia
5	120731423	120731572	0.014	-0.293909	5	2.40E-07	4.40E-08	0.059654	0.35356	3.57E-06	Intergenic	NA	NA
5	121471378	121471479	1	0.072108	5	0.017	0.0092	0.93684	0.86473	0.034796287	Intergenic	NA	NA
5	121698368	121698503	1	-0.100169	7	0.0041	0.019	0.22789	0.32806	0.01100507	Intergenic	NA	NA
5	121967963	121968088	1	-0.116503	5	6.20E-05	0.00098	0.043311	0.15981	0.000349462	Intergenic	NA	NA
5	122170898	122170964	1	-0.313761	5	0.00032	0.00014	0.3285	0.64226	0.001346443	Intergenic	NA	NA
5	125548131	125548200	1	-0.199556	6	2.80E-05	0.00016	0.60377	0.80332	0.000182174	Intergenic	NA	NA
5	126464815	126464880	1	-0.092586	5	0.002	0.00097	0.81416	0.90674	0.006079939	Intragenic	NM_001024786	Wdr78
5	126796424	126796558	1	-0.110344	9	0.0022	0.0041	0.60229	0.71263	0.006578104	Intergenic	NA	NA
5	126923890	126924072	0.046	-0.053849	17	7.20E-12	1.40E-07	0.046114	0.099963	4.35E-10	Intergenic	NA	NA
5	126925770	126925850	1	-0.060808	5	0.00048	0.0018	0.012243	0.073051	0.001881331	Intergenic	NA	NA
5	126926408	126926896	1	-0.132085	21	2.20E-06	0.00032	0.25941	0.39149	2.27E-05	Intergenic	NA	NA
5	128437074	128437306	1	-0.146427	7	0.00014	0.0083	0.092829	0.23926	0.000684451	Intragenic	NM_023991	Prkaa2
5	130010453	130010623	1	-0.153127	5	0.002	0.00099	0.15447	0.3076	0.006079939	TSS	NM_001080148	Dhcr24
5	130012630	130012679	1	-0.06617	5	0.0014	0.015	0.053835	0.12001	0.004540837	TSS	NM_001080148	Dhcr24
5	130012828	130012966	1	-0.111147	5	0.00072	0.025	0.07566	0.18681	0.002634665	TSS	NM_001080148	Dhcr24
5	130063054	130063163	1	-0.110858	5	0.02	0.038	0.13195	0.24281	0.039778219	Intragenic	NM_001109262	Lexm
5	130071459	130071624	1	-0.076948	7	0.0013	0.0082	0.10894	0.18589	0.004277683	TSS	NM_001106671	Ttc22
5	130071888	130071947	1	-0.150579	5	0.00044	0.015	0.1821	0.33268	0.001760146	TSS	NM_001106671	Ttc22
5	130077189	130077504	1	-0.177637	5	0.00029	0.00052	0.094773	0.27241	0.001239307	Intragenic	NM_001106671	Ttc22
5	130899519	130899775	0.0041	-0.310083	8	7.80E-09	1.30E-08	0.04918	0.35926	2.01E-07	Intergenic	NA	NA
5	131284029	131284260	1	-0.22787	11	3.50E-09	1.60E-05	0.16908	0.39695	9.56E-08	Intergenic	NA	NA
5	131284583	131284646	1	-0.209111	5	1.90E-05	7.00E-05	0.1526	0.36171	0.000131674	Intergenic	NA	NA
5	131293639	131293698	1	-0.178182	5	0.0027	0.039	0.23253	0.41071	0.007840962	Intergenic	NA	NA
5	131294515	131294620	2.50E-05	-0.290226	14	2.10E-13	7.70E-11	0.18992	0.48015	1.99E-11	Intergenic	NA	NA
5	131468947	131469176	1	-0.141236	8	0.01	0.093	0.38753	0.52877	0.02275947	Intergenic	NA	NA
5	131471398	131471483	1	-0.168236	5	0.0049	0.038	0.4735	0.64174	0.012753585	Intergenic	NA	NA
5	131471488	131471567	1	-0.242584	5	9.20E-06	6.90E-05	0.55239	0.79497	7.32E-05	Intergenic	NA	NA
5	131507764	131507824	1	-0.179124	6	1.50E-05	2.50E-05	0.12349	0.30262	0.000109113	Intragenic	NM_138508	Scp2
5	133132784	133132829	1	-0.203394	5	0.00029	0.00027	0.16811	0.3715	0.001239307	Intergenic	NA	NA
5	133178903	133179189	1	-0.06878	10	1.00E-05	0.00016	0.032112	0.10089	7.82E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	135192605	135192731	1	-0.125627	5	0.0035	0.0055	0.63138	0.75701	0.009686665	Intergenic	NA	NA
5	135390430	135390663	1	-0.100281	9	0.00042	0.0041	0.66074	0.76103	0.001700519	Intergenic	NA	NA
5	137138427	137138584	1	-0.176945	5	0.00021	0.0032	0.1409	0.31785	0.000951214	Intergenic	NA	NA
5	137165540	137165713	1	-0.093943	7	0.00013	5.40E-05	0.023772	0.11771	0.000648758	Intergenic	NA	NA
5	137258639	137258727	1	-0.174742	5	4.40E-05	0.00014	0.14153	0.31627	0.000263321	Intergenic	NA	NA
5	137264677	137264770	1	-0.05661	8	2.20E-05	8.50E-05	0.062362	0.11897	0.000149617	Intergenic	NA	NA
5	137356709	137356828	1	-0.085339	8	0.00023	0.0016	0.096004	0.18134	0.00102405	Intergenic	NA	NA
5	138538961	138539107	1	-0.113938	8	0.021	0.049	0.43908	0.55302	0.041207871	Intergenic	NA	NA
5	139788085	139788417	1	-0.167075	5	0.013	0.015	0.31954	0.48661	0.028097302	Intergenic	NA	NA
5	139792669	139793173	1	-0.197985	7	1.90E-05	0.00082	0.059149	0.25713	0.000131674	Intragenic	NM_022187	Plk3
5	139956037	139956453	3.40E-30	-0.225294	42	4.20E-14	1.00E-35	0.05646	0.28175	6.64E-12	Intergenic	NA	NA
5	139964616	139964649	1	-0.182685	5	0.0011	0.0087	0.25276	0.43545	0.003737263	Intergenic	NA	NA
5	139969541	139969704	0.0011	-0.238481	8	3.00E-11	3.40E-09	0.04265	0.28113	1.48E-09	Intergenic	NA	NA
5	139970008	139970130	1	-0.095163	7	0.0015	0.0054	0.038503	0.13367	0.004849475	Intergenic	NA	NA
5	139974357	139974519	1	-0.152741	8	2.40E-06	0.0024	0.16753	0.32027	2.45E-05	Intergenic	NA	NA
5	140009518	140009726	1	-0.324002	7	5.30E-08	8.80E-06	0.14654	0.47055	1.08E-06	Intergenic	NA	NA
5	140014267	140014402	1	-0.110765	8	0.00025	0.026	0.15825	0.26901	0.001103692	Intergenic	NA	NA
5	140043824	140043979	1	-0.088106	14	1.40E-08	1.50E-05	0.075791	0.1639	3.31E-07	Intergenic	NA	NA
5	140495889	140495968	1	-0.103108	5	0.0019	0.015	0.11726	0.22037	0.005855937	TSS	NM_001134626	Ccdc24
5	140562488	140562631	1	-0.313067	5	3.70E-06	0.00014	0.42377	0.73683	3.46E-05	Intragenic	NM_031697	St3gal3
5	140633538	140633709	1	-0.142532	6	0.00014	0.0016	0.2097	0.35224	0.000684451	Intragenic	NM_031697	St3gal3
5	140645075	140645308	1	-0.13972	7	0.0041	0.026	0.43273	0.57245	0.01100507	Intragenic	NM_031697	St3gal3
5	140665958	140666088	1	-0.369073	5	4.20E-07	7.50E-06	0.10952	0.47859	5.76E-06	Intragenic	NM_031697	St3gal3
5	140696863	140696933	1	-0.205257	5	0.0014	0.015	0.239	0.44426	0.004540837	Intragenic	NM_031697	St3gal3
5	140886012	140886162	1	-0.153883	7	1.10E-06	0.00017	0.15577	0.30966	1.27E-05	Intragenic	NM_019249	Ptprf
5	141050276	141050410	1	-0.22327	8	4.80E-07	0.00015	0.24699	0.47026	6.54E-06	Intragenic	NM_171993	Cdc20
5	141061701	141061838	1	-0.17787	5	1.70E-05	7.00E-05	0.10164	0.27951	0.000120524	Intergenic	NA	NA
5	141108496	141108590	1	-0.144589	9	0.00036	0.00033	0.17616	0.32075	0.001486639	Intragenic	NM_053545	Tie1
5	141147270	141147331	1	-0.39449	5	4.30E-06	0.00014	0.18468	0.57917	3.93E-05	Intragenic	NM_001108674	RGD1305347
5	141853017	141853244	1	-0.152763	7	3.20E-05	0.0032	0.12051	0.27328	0.00020314	Intergenic	NA	NA
5	141925963	141926035	1	-0.065528	5	0.02	0.039	0.088902	0.15443	0.039778219	Intergenic	NA	NA
5	141927024	141927049	1	-0.053217	5	0.0017	0.025	0.081594	0.13481	0.005339493	Intergenic	NA	NA
5	141993497	141993624	0.02	-0.074637	8	1.80E-08	6.10E-08	0.033502	0.10814	4.21E-07	Intergenic	NA	NA
5	142112098	142112191	1	-0.118314	5	0.025	0.088	0.34592	0.46424	0.047453009	TSS	NM_001008514	Cldn19
5	142919388	142919591	1	-0.063075	8	0.026	0.094	0.12515	0.18822	0.049234478	Intergenic	NA	NA
5	143397959	143398038	1	-0.139044	5	0.016	0.024	0.54103	0.68008	0.033288089	Intergenic	NA	NA
5	144210656	144210816	1	-0.100314	8	0.0064	0.035	0.73387	0.83418	0.015860755	Intergenic	NA	NA
5	144276837	144276865	1	-0.153862	5	0.0014	0.00052	0.13598	0.28984	0.004540837	Intergenic	NA	NA
5	144603430	144603535	1	-0.143452	5	0.016	0.088	0.23922	0.38267	0.033288089	TSS	NM_001012221	Oxct2a

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	144640541	144640687	1	-0.109678	5	0.016	0.025	0.41548	0.52516	0.033288089	Intergenic	NA	NA
5	144768939	144768966	0.78	-0.080499	7	1.20E-07	2.40E-06	0.067233	0.14773	2.01E-06	TSS	NM_001100538	Pabpc4
5	144780574	144780635	1	-0.226276	5	2.50E-06	3.40E-05	0.062075	0.28835	2.52E-05	Intragenic	NM_001100538	Pabpc4
5	144809195	144809300	1	-0.135993	5	0.017	0.088	0.24488	0.38087	0.034796287	TSS	NM_001012221	Oxct2a
5	144853724	144853867	1	-0.239882	5	0.0012	0.038	0.218	0.45788	0.004013471	Intragenic	NM_001135758	Macf1
5	145195905	145195960	1	-0.129884	5	4.80E-06	7.00E-05	0.089742	0.21963	4.29E-05	TSS	NM_001030052	Ndufs5
5	145650332	145650388	1	-0.076187	9	0.0066	0.11	0.19751	0.2737	0.016329463	Intergenic	NA	NA
5	145676820	145676998	1	-0.140012	8	0.003	0.024	0.28033	0.42034	0.008555055	Intergenic	NA	NA
5	145704215	145704395	1	-0.120959	10	0.001	0.012	0.23653	0.35749	0.003452169	Intergenic	NA	NA
5	146190267	146190484	1	0.07579	7	0.017	0.078	0.49597	0.42018	0.034796287	Intergenic	NA	NA
5	146366903	146366948	1	-0.146585	5	0.008	0.015	0.29767	0.44425	0.019059477	Intergenic	NA	NA
5	146774957	146775042	1	-0.193334	5	0.0011	0.0055	0.20979	0.40312	0.003737263	Intragenic	NM_001107980	Rspo1
5	147007137	147007317	1	-0.059765	7	0.0059	0.019	0.72824	0.78801	0.014851341	Intergenic	NA	NA
5	147141248	147141343	1	-0.103034	5	0.014	0.088	0.20161	0.30464	0.029850603	Intergenic	NA	NA
5	147371904	147371930	1	-0.123515	5	0.0008	0.0018	0.33247	0.45599	0.002866309	Intragenic	NM_001112716:NM_181373	Grik3:Grik3
5	147491069	147491557	1	-0.070462	20	0.0016	0.02	0.14122	0.21168	0.005100053	Intergenic	NA	NA
5	147737133	147737362	1	-0.121839	12	0.023	0.16	0.5562	0.67804	0.04441443	Intergenic	NA	NA
5	147752127	147752245	1	-0.193587	5	3.70E-06	0.00014	0.086294	0.27988	3.46E-05	Intergenic	NA	NA
5	147929781	147929914	0.19	-0.204068	11	2.40E-08	5.90E-07	0.25153	0.4556	5.41E-07	TSS	NM_001108679	Eva1b
5	147948480	147948509	1	-0.203348	5	0.00011	0.0017	0.32316	0.52651	0.000565143	Intragenic	NM_001009693	Thrap3
5	147959875	147960157	1	-0.319055	5	4.20E-07	1.60E-05	0.18404	0.5031	5.76E-06	Intragenic	NM_001009693	Thrap3
5	148626451	148626528	1	-0.1291	5	0.0017	0.015	0.39076	0.51986	0.005339493	Intragenic	NM_001159655	LOC100294508
5	148829118	148829247	1	-0.19234	5	0.00036	0.0055	0.17317	0.36551	0.001486639	Intergenic	NA	NA
5	148841635	148841688	1	-0.267495	7	0.00013	1.50E-05	0.59341	0.86091	0.000648758	Intergenic	NA	NA
5	149047379	149047460	1	-0.050093	5	0.0094	0.088	0.073789	0.12388	0.021723038	Intragenic	NM_001276304:NM_001301876:NM_173138	Dlgap3:Dlgap3:Dlgap3
5	149070799	149070892	1	-0.126457	5	0.014	0.015	0.1601	0.28656	0.029850603	Intragenic	NM_001276304:NM_001301876:NM_173138	Dlgap3:Dlgap3:Dlgap3
5	149157126	149157377	1	-0.161414	8	0.00091	0.0087	0.30455	0.46597	0.003192838	Intergenic	NA	NA
5	149220834	149220958	1	-0.146664	8	6.30E-08	1.70E-05	0.086551	0.23322	1.18E-06	Intergenic	NA	NA
5	150693830	150693942	0.49	-0.297093	5	7.40E-07	1.50E-06	0.13305	0.43014	9.26E-06	Intragenic	NM_001191612	Zfp362
5	150706190	150706345	1	-0.155526	5	0.002	0.0055	0.051472	0.207	0.006079939	Intragenic	NM_001191612	Zfp362
5	150706431	150706479	1	-0.059271	9	1.20E-06	1.70E-05	0.045542	0.10481	1.37E-05	Intragenic	NM_001191612	Zfp362
5	150706503	150706534	1	-0.212532	5	5.00E-05	0.00098	0.13433	0.34687	0.000291675	Intragenic	NM_001191612	Zfp362
5	150777286	150777369	1	-0.091112	5	0.012	0.088	0.21713	0.30824	0.026435197	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	150952057	150952325	0.23	-0.126832	6	2.30E-08	7.20E-07	0.018194	0.14503	5.20E-07	Intergenic	NA	NA
5	151147267	151147361	0.015	-0.208847	5	9.90E-08	4.50E-08	0.081316	0.29016	1.72E-06	TSS	NM_001134629	RGD1561149
5	151215553	151215909	1	-0.12176	18	0.00021	0.0016	0.36731	0.48907	0.000951214	Intragenic	NM_001108683	Sync
5	151329218	151329274	1	-0.074668	5	0.0019	0.015	0.061928	0.1366	0.005855937	Intergenic	NA	NA
5	151349443	151349484	1	-0.143283	5	0.019	0.039	0.39788	0.54117	0.038322088	Intragenic	NM_001109265	Zbtb8b
5	151381452	151381676	1	-0.11685	5	0.00097	0.0054	0.030506	0.14736	0.003366009	TSS	NM_001106636	Bsdcl
5	151413360	151413437	1	-0.113081	5	0.00072	0.0055	0.13273	0.24581	0.002634665	TSS	NM_001007650:N M_001109266	Tssk3:Fam229 a
5	151413527	151413718	0.56	-0.149034	11	1.10E-09	1.70E-06	0.10827	0.2573	3.60E-08	TSS	NM_001007650:N M_001109266	Tssk3:Fam229 a
5	151625166	151625262	1	-0.184335	7	3.50E-06	3.00E-05	0.13076	0.31509	3.33E-05	Intragenic	NM_001014192	Tmem39b
5	151747910	151748178	0.26	-0.130237	13	2.60E-09	7.90E-07	0.11565	0.24589	7.57E-08	Intergenic	NA	NA
5	151935292	151935360	1	-0.139804	5	0.0019	0.015	0.1312	0.271	0.005855937	Intragenic	NM_001107914	Adgrb2
5	151935392	151935432	1	-0.093905	5	0.00048	0.0017	0.4875	0.58141	0.001881331	Intragenic	NM_001107914	Adgrb2
5	152148008	152148159	1	-0.126435	5	2.20E-06	3.40E-05	0.068491	0.19493	2.27E-05	Intergenic	NA	NA
5	152148170	152148413	1	-0.112345	7	0.0037	0.026	0.18578	0.29813	0.010204935	Intergenic	NA	NA
5	152706285	152706494	1	-0.158875	5	0.0063	0.00052	0.45066	0.60954	0.015629046	Intergenic	NA	NA
5	153009746	153010065	1	-0.086626	5	0.00088	0.0018	0.071478	0.1581	0.003092094	Intergenic	NA	NA
5	153212130	153212207	1	-0.090904	5	0.02	0.059	0.18243	0.27333	0.039778219	Intergenic	NA	NA
5	153563511	153563577	1	-0.145712	5	3.90E-05	0.0018	0.21956	0.36527	0.000237659	Intergenic	NA	NA
5	153738748	153738819	1	-0.298354	5	2.50E-06	3.40E-05	0.29001	0.58837	2.52E-05	Intragenic	NM_001108685	Srsf4
5	153757227	153757589	1	-0.057581	43	0.003	0.056	0.051416	0.067334	0.008555055	Intergenic	NA	NA
5	153773516	153773656	1	-0.165187	5	0.00065	0.0092	0.23075	0.39594	0.002426546	Intergenic	NA	NA
5	153918590	153918802	1	-0.095815	8	0.00012	0.0025	0.069383	0.1652	0.000603617	Intergenic	NA	NA
5	154022582	154022702	1	-0.192469	5	2.90E-06	3.40E-05	0.064812	0.25728	2.84E-05	Intergenic	NA	NA
5	154253315	154253433	1	-0.108729	5	0.0041	0.0093	0.13978	0.24851	0.01100507	Intergenic	NA	NA
5	154275053	154275388	1	-0.058171	17	0.0011	0.029	0.067265	0.12544	0.003737263	Intergenic	NA	NA
5	154808122	154808257	1	-0.169799	5	3.50E-05	0.00096	0.1035	0.2733	0.000218038	Intergenic	NA	NA
5	154839967	154840118	1	-0.065766	7	0.0011	0.0083	0.059477	0.12524	0.003737263	TSS	NM_024145	Fgr
5	154906389	154906605	1	-0.06842	16	5.20E-07	5.30E-05	0.078837	0.14726	6.93E-06	Intragenic	NM_001134956	Ahdc1
5	154909811	154909921	1	-0.207777	7	7.10E-06	0.00016	0.10762	0.3154	5.86E-05	Intragenic	NM_001134956	Ahdc1
5	154931009	154931547	1	-0.173179	9	1.20E-09	9.60E-06	0.070998	0.24418	3.88E-08	Intragenic	NM_001134956	Ahdc1
5	155079260	155079287	1	-0.124195	5	1.10E-06	1.60E-05	0.086126	0.21032	1.27E-05	TSS	NM_001271259	Cd164l2
5	155108005	155108091	1	-0.154997	7	2.90E-05	0.0013	0.16809	0.32309	0.000187968	Intragenic	NM_001107909	Map3k6
5	155117592	155117702	0.0018	-0.183914	15	7.70E-13	5.70E-09	0.13821	0.32213	6.01E-11	Intragenic	NM_001025651	Syt1
5	155145961	155146056	1	-0.163795	5	0.019	0.015	0.39521	0.559	0.038322088	Intergenic	NA	NA
5	155360240	155360320	0.2	-0.257297	7	8.80E-09	6.10E-07	0.37797	0.63527	2.23E-07	Intragenic	NM_001107907	Fam46b
5	155430963	155431002	1	-0.153801	7	2.10E-07	2.80E-05	0.057744	0.21154	3.19E-06	TSS	NM_001004268	Kdf1
5	155431037	155431061	1	-0.076718	5	0.0058	0.087	0.076891	0.15361	0.014624129	TSS	NM_001004268	Kdf1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	155431192	155431214	1	-0.072308	5	0.0094	0.13	0.12631	0.19862	0.021723038	TSS	NM_001004268	Kdf1
5	155439220	155439337	1	-0.152921	9	0.0011	0.023	0.22416	0.37708	0.003737263	Intragenic	NM_001004268	Kdf1
5	155514784	155514852	1	-0.204943	5	0.0014	0.015	0.17609	0.38103	0.004540837	Intergenic	NA	NA
5	155753290	155753328	1	0.109629	5	9.80E-07	7.50E-06	0.89425	0.78462	1.16E-05	Intergenic	NA	NA
5	155942742	155942911	1	-0.181654	6	0.00024	0.0041	0.13261	0.31427	0.001064629	Intergenic	NA	NA
5	155976649	155976794	1	-0.151346	8	7.80E-08	1.60E-05	0.038302	0.18965	1.42E-06	Intergenic	NA	NA
5	155981200	155981440	1	-0.129689	8	1.10E-05	0.0011	0.084579	0.21427	8.53E-05	Intergenic	NA	NA
5	155988219	155988447	1	-0.151729	11	0.0031	0.061	0.38367	0.5354	0.008829746	Intergenic	NA	NA
5	156011964	156012002	1	-0.193475	5	1.30E-05	0.00027	0.4158	0.60927	9.66E-05	TSS	NM_053983	Cd52
5	156105256	156105295	1	-0.153801	7	2.10E-07	2.80E-05	0.057744	0.21154	3.19E-06	TSS	NM_001004268	Kdf1
5	156105330	156105354	1	-0.076718	5	0.0058	0.087	0.076891	0.15361	0.014624129	TSS	NM_001004268	Kdf1
5	156105485	156105507	1	-0.072308	5	0.0094	0.13	0.12631	0.19862	0.021723038	TSS	NM_001004268	Kdf1
5	156113511	156113628	1	-0.152921	9	0.0011	0.023	0.22416	0.37708	0.003737263	Intragenic	NM_001080151:N M_001004268	Cep85:Kdf1
5	156292559	156292819	1	-0.225004	12	9.20E-08	0.0004	0.2473	0.4723	1.63E-06	TSS	NM_080903	Trim63
5	156407770	156407896	1	-0.144802	5	0.0038	0.024	0.079207	0.22401	0.010352437	Intragenic	NM_177932	Pafah2
5	156422358	156422692	1	-0.154954	7	0.003	0.0019	0.17483	0.32979	0.008555055	Intergenic	NA	NA
5	156503849	156503901	1	-0.288607	5	5.60E-07	3.40E-06	0.11693	0.40553	7.29E-06	TSS	NM_001034081	Paqr7
5	156631936	156632020	1	-0.081804	5	0.00065	0.00053	0.066102	0.14791	0.002426546	Intragenic	NM_001108687	Man1c1
5	156653010	156653252	1	-0.137066	6	0.0083	0.04	0.18421	0.32127	0.019719474	Intragenic	NM_001108687	Man1c1
5	156660224	156660494	1	-0.097398	13	2.30E-05	6.60E-05	0.17234	0.26974	0.000156153	Intragenic	NM_001108687	Man1c1
5	156669967	156670043	1	-0.176354	5	0.0045	0.038	0.29338	0.46973	0.011905878	Intragenic	NM_001108687	Man1c1
5	157003293	157003397	1	-0.190303	6	0.0057	0.027	0.44401	0.63432	0.014573809	Intragenic	NM_022505	Rhd
5	157263707	157263817	1	-0.052857	10	0.00068	0.028	0.059148	0.112	0.002535389	Intergenic	NA	NA
5	157273730	157273968	1	-0.076852	14	0.01	0.092	0.12719	0.20404	0.02275947	TSS	NM_130425	Runx3
5	157274714	157274780	1	-0.100475	5	0.0058	0.015	0.066112	0.16659	0.014624129	TSS	NM_130425	Runx3
5	157278103	157278128	1	-0.197573	5	3.70E-06	3.40E-05	0.1258	0.32338	3.46E-05	Intragenic	NM_130425	Runx3
5	157278813	157278988	1	-0.132536	5	0.0029	0.015	0.074401	0.20694	0.008293503	Intragenic	NM_130425	Runx3
5	157291344	157291375	1	-0.140004	5	0.0022	0.015	0.14123	0.28123	0.006578104	Intragenic	NM_130425	Runx3
5	157300157	157300208	1	-0.110623	5	0.0074	0.18	0.4097	0.52032	0.017853001	Intragenic	NM_130425	Runx3
5	157300225	157300348	1	-0.178856	9	2.30E-07	0.00033	0.3609	0.53976	3.45E-06	Intragenic	NM_130425	Runx3
5	157433975	157434125	1	-0.178946	5	3.10E-05	3.40E-05	0.062644	0.24159	0.000197418	Intergenic	NA	NA
5	157511894	157511921	1	-0.208798	5	0.00072	0.0053	0.45661	0.66541	0.002634665	Intergenic	NA	NA
5	157542880	157542963	0.15	-0.16953	8	9.80E-08	4.50E-07	0.17741	0.34694	1.72E-06	Intragenic	NM_001012746	Rcan3
5	157609122	157609377	1	-0.140523	5	0.0008	0.039	0.079778	0.2203	0.002866309	TSS	NR_106707	Mir6333
5	157941033	157941378	1	-0.073386	12	0.0085	0.05	0.097437	0.17082	0.020154795	Intergenic	NA	NA
5	158304030	158304115	1	-0.1702	5	9.80E-05	0.00052	0.11691	0.28711	0.000512474	Intergenic	NA	NA
5	158306616	158306725	1	-0.185942	5	1.30E-06	3.40E-06	0.03002	0.21596	1.46E-05	Intergenic	NA	NA
5	158385246	158385387	1	-0.248941	7	3.20E-07	1.40E-05	0.10238	0.35133	4.57E-06	Intragenic	NM_001015008	Tcea3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	158409459	158409538	1	-0.204592	5	0.00054	0.015	0.1572	0.36179	0.002077867	TSS	NR_036617	RGD1564482
5	158418926	158418968	1	-0.056302	5	0.011	0.0032	0.91421	0.97052	0.02463877	TSS	NM_001106691	Zfp46
5	158511556	158511786	1	-0.187077	5	0.011	0.039	0.3549	0.54197	0.02463877	Intergenic	NA	NA
5	158572986	158573068	1	-0.142879	5	2.40E-05	3.30E-05	0.41185	0.55473	0.000160049	Intergenic	NA	NA
5	158586060	158586274	1	-0.106888	9	0.00093	0.0039	0.28369	0.39058	0.003255406	Intergenic	NA	NA
5	158966212	158966369	1	-0.173705	7	0.0072	0.056	0.44753	0.62123	0.017539509	Intergenic	NA	NA
5	159075956	159076158	1	-0.125431	5	0.025	0.088	0.34286	0.4683	0.047453009	Intergenic	NA	NA
5	159091572	159091644	1	-0.192992	5	3.90E-05	0.00053	0.099751	0.29274	0.000237659	Intergenic	NA	NA
5	159265876	159266225	1	-0.131486	13	0.015	0.09	0.5265	0.65799	0.031584896	Intragenic	NR_036653	Bc1
5	159607485	159607640	1	-0.128419	7	0.00058	0.027	0.42895	0.55737	0.002226081	Intergenic	NA	NA
5	159824397	159824495	1	-0.103103	9	0.00024	0.0026	0.24249	0.3456	0.001064629	Intragenic	NM_001100713	Rap1gap
5	159824543	159824704	1	-0.085599	5	0.0019	0.0055	0.13513	0.22073	0.005855937	Intragenic	NM_001100713	Rap1gap
5	160325204	160325265	1	-0.194242	5	1.10E-06	3.40E-05	0.73336	0.92761	1.27E-05	Intergenic	NA	NA
5	160374167	160374240	1	-0.349611	5	3.50E-05	0.00053	0.21196	0.56157	0.000218038	Intergenic	NA	NA
5	160593688	160593789	1	-0.104578	5	0.025	0.34	0.1683	0.27288	0.047453009	Intergenic	NA	NA
5	160600490	160600591	1	-0.104578	5	0.025	0.34	0.1683	0.27288	0.047453009	Intergenic	NA	NA
5	160629700	160630229	1	-0.211182	7	5.80E-07	0.00048	0.13474	0.34592	7.50E-06	Intergenic	NA	NA
5	160732212	160732465	1	-0.094262	14	0.00016	0.0059	0.11178	0.20604	0.000769396	Intergenic	NA	NA
5	160927590	160927668	1	-0.13358	5	0.013	0.0018	0.55744	0.69102	0.028097302	Intergenic	NA	NA
5	161157292	161157427	1	-0.220656	7	4.20E-05	0.0022	0.26831	0.48897	0.00025452	TSS	NM_001109592	Rnf186
5	161209651	161209704	0.088	-0.375707	5	1.10E-07	2.70E-07	0.10847	0.48418	1.86E-06	Intragenic	NM_001034949	Tmco4
5	161685726	161685898	0.48	-0.222736	5	8.50E-07	1.50E-06	0.048387	0.27112	1.03E-05	Intragenic	NM_001039026	Ubr4
5	161842870	161842907	1	-0.270047	5	1.70E-05	0.00053	0.21251	0.48255	0.000120524	Intragenic	NM_001134698	Aldh4a1
5	161877681	161877761	1	-0.165268	5	0.0012	0.015	0.15211	0.31738	0.004013471	Intergenic	NA	NA
5	161966018	161966306	1	-0.175107	5	0.00036	0.0055	0.14348	0.31859	0.001486639	Intragenic	NM_001191984	Pax7
5	161974527	161974795	1	-0.130996	5	0.0049	0.0092	0.11627	0.24726	0.012753585	Intragenic	NM_001191984	Pax7
5	162087570	162087685	1	-0.106898	5	0.021	0.088	0.27674	0.38364	0.041207871	Intergenic	NA	NA
5	162162336	162162583	1	-0.146755	9	2.20E-07	4.40E-05	0.078341	0.2251	3.32E-06	Intergenic	NA	NA
5	162165454	162165611	1	-0.102734	6	0.0054	0.0072	0.10088	0.20361	0.013836205	Intergenic	NA	NA
5	162166181	162166388	1	-0.123452	8	5.50E-07	9.10E-05	0.084454	0.20791	7.29E-06	Intergenic	NA	NA
5	162246139	162246208	1	-0.093655	5	0.02	0.088	0.15998	0.25364	0.039778219	Intragenic	NM_001271454	Igsf21
5	162269033	162269183	1	-0.108667	5	0.01	0.059	0.11426	0.22292	0.02275947	Intragenic	NM_001271454	Igsf21
5	162276592	162276657	1	-0.098668	5	0.0022	0.024	0.22716	0.32583	0.006578104	Intragenic	NM_001271454	Igsf21
5	162291239	162291379	1	-0.181682	5	0.00023	0.0031	0.26791	0.44959	0.00102405	Intragenic	NM_001271454	Igsf21
5	162393025	162393116	1	-0.12813	5	0.014	0.13	0.29182	0.41995	0.029850603	Intragenic	NM_001271454	Igsf21
5	162404406	162404482	1	-0.0876	5	0.0024	0.025	0.089559	0.17716	0.00705499	Intragenic	NM_001271454	Igsf21
5	162407519	162407621	1	-0.151737	5	0.00036	0.00014	0.13537	0.2871	0.001486639	Intragenic	NM_001271454	Igsf21
5	162513830	162513916	1	-0.184765	5	0.00019	0.00053	0.38947	0.57423	0.000879857	Intergenic	NA	NA
5	162517099	162517229	1	-0.140491	7	0.0015	0.0035	0.58265	0.72314	0.004849475	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	162597762	162597972	1	-0.173293	9	6.40E-05	0.0002	0.39578	0.56908	0.000358884	Intergenic	NA	NA
5	162709075	162709162	1	-0.187439	5	1.90E-06	7.00E-05	0.097553	0.28499	2.01E-05	Intergenic	NA	NA
5	162713205	162713379	1	-0.103028	9	0.00079	0.024	0.22731	0.33033	0.002866309	Intergenic	NA	NA
5	162742087	162742696	1	-0.061984	10	0.0026	0.0058	0.19239	0.25437	0.007616821	Intergenic	NA	NA
5	162804012	162804159	1	-0.153319	5	0.00021	0.0053	0.093547	0.24687	0.000951214	Intergenic	NA	NA
5	162845495	162845574	0.0022	-0.2447	5	6.30E-08	6.80E-09	0.072241	0.31694	1.18E-06	Intergenic	NA	NA
5	162845589	162845699	1	-0.157438	5	1.00E-05	0.00014	0.076533	0.23397	7.82E-05	Intergenic	NA	NA
5	162872691	162872810	1	-0.161528	5	0.0074	0.037	0.2368	0.39833	0.017853001	Intergenic	NA	NA
5	162942033	162942091	1	-0.170489	5	0.014	0.088	0.34566	0.51615	0.029850603	Intergenic	NA	NA
5	163056899	163056993	1	-0.238443	5	8.80E-05	0.00052	0.31513	0.55357	0.000466886	Intragenic	NM_019332	Padi1
5	163100275	163100409	1	0.124256	5	0.017	0.038	0.57746	0.45321	0.034796287	Intergenic	NA	NA
5	163175862	163175961	1	-0.055472	5	0.025	0.024	0.069059	0.12453	0.047453009	Intragenic	NM_017226	Padi2
5	163359265	163359306	1	-0.176671	5	0.0035	0.015	0.098687	0.27536	0.009686665	Intragenic	NM_001114599:NR_102345	Szrd1:Szrd1
5	163539730	163539907	0.023	-0.21482	7	1.20E-08	7.00E-08	0.038123	0.25294	2.88E-07	Intergenic	NA	NA
5	163564948	163564994	1	-0.156076	5	0.0014	0.0018	0.22007	0.37615	0.004540837	Intragenic	NM_001108977	Epha2
5	163565095	163565374	0.016	-0.358158	13	5.80E-12	4.90E-08	0.168	0.52616	3.71E-10	Intragenic	NM_001108977	Epha2
5	163565753	163565896	1	-0.293295	5	3.70E-06	7.00E-05	0.13803	0.43132	3.46E-05	Intragenic	NM_001108977	Epha2
5	163573427	163573734	0.00044	-0.311811	15	8.80E-14	1.40E-09	0.12137	0.43318	9.61E-12	Intragenic	NM_001108977	Epha2
5	163590458	163590883	1	-0.193304	5	0.0074	0.0093	0.17499	0.36829	0.017853001	Intergenic	NA	NA
5	163640245	163640399	1	-0.052163	7	0.0017	0.056	0.057228	0.10939	0.005339493	Intergenic	NA	NA
5	163646483	163646637	1	-0.051862	7	0.0017	0.056	0.05753	0.10939	0.005339493	Intergenic	NA	NA
5	163673046	163673118	1	-0.14905	5	0.00021	0.0032	0.57761	0.72666	0.000951214	Intragenic	NM_173103	Clnkb
5	163693030	163693081	1	-0.129663	5	0.0019	0.0055	0.070946	0.20061	0.005855937	Intergenic	NA	NA
5	163827114	163827351	1	-0.141054	7	0.002	0.012	0.18583	0.32689	0.006079939	Intergenic	NA	NA
5	163888985	163889220	1	-0.121211	8	2.60E-06	0.001	0.08284	0.20405	2.60E-05	Intergenic	NA	NA
5	163893662	163894049	0.21	-0.236319	14	1.50E-11	6.50E-07	0.19273	0.42905	8.08E-10	TSS	NM_001013936	Slc25a34
5	163894119	163894518	1	-0.112025	5	0.0027	0.015	0.10254	0.21456	0.007840962	TSS	NM_001013936	Slc25a34
5	163922647	163922715	1	-0.148115	5	0.00026	0.0032	0.58354	0.73165	0.001130807	Intragenic	NM_001191767	Plekhm2
5	164014046	164014323	1	-0.149488	5	0.023	0.039	0.18415	0.33364	0.04441443	Intergenic	NA	NA
5	164019333	164019390	1	-0.124795	5	0.00015	0.0055	0.13751	0.2623	0.000724207	TSS	NM_001048185	Agmat
5	164019456	164019524	1	-0.091294	5	0.01	0.088	0.16725	0.25855	0.02275947	TSS	NM_001048185	Agmat
5	164088086	164088349	1	-0.084199	10	0.011	0.092	0.15202	0.23622	0.02463877	Intragenic	NM_012553	Cela2a
5	164161639	164161775	0.096	-0.067933	7	9.20E-08	3.00E-07	0.02679	0.094723	1.63E-06	Intergenic	NA	NA
5	164207379	164207473	1	-0.120448	5	0.014	0.13	0.56012	0.68057	0.029850603	Intergenic	NA	NA
5	164213644	164213680	1	-0.302488	5	2.90E-06	3.30E-05	0.24661	0.5491	2.84E-05	Intergenic	NA	NA
5	164294724	164294919	1	-0.174722	7	3.40E-05	0.00049	0.085707	0.26043	0.000214477	Intragenic	NM_001109273	Tmem51
5	164327254	164327345	1	-0.135259	5	0.00029	0.0093	0.13788	0.27314	0.001239307	Intragenic	NM_001109273	Tmem51
5	164364553	164364667	1	-0.165291	7	0.0004	0.018	0.20636	0.37165	0.00162337	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	164373088	164373169	1	-0.11231	5	0.0063	0.0018	0.18969	0.302	0.015629046	Intergenic	NA	NA
5	164457238	164457338	1	-0.212691	7	7.70E-08	8.80E-06	0.19705	0.40974	1.41E-06	Intragenic	NM_001014070	Kazn
5	164513684	164513879	1	-0.124541	5	0.025	0.087	0.064089	0.18863	0.047453009	Intragenic	NM_001014070	Kazn
5	164542067	164542163	1	-0.165875	5	0.00012	0.00098	0.26701	0.43288	0.000603617	Intragenic	NM_001014070	Kazn
5	164780772	164780968	1	-0.175404	6	0.00036	0.018	0.18031	0.35571	0.001486639	Intergenic	NA	NA
5	164789556	164789588	1	-0.145252	5	0.0053	0.015	0.53238	0.67763	0.013591571	Intergenic	NA	NA
5	165257222	165257341	1	-0.121022	5	0.0063	0.087	0.22888	0.3499	0.015629046	Intergenic	NA	NA
5	165678291	165678376	1	-0.076838	5	0.021	0.038	0.057417	0.13425	0.041207871	TSS	NM_019358	Pdpm
5	166755987	166756098	1	-0.256773	5	0.00065	0.0091	0.36524	0.62201	0.002426546	Intragenic	NM_001108006	Vps13d
5	167011736	167011851	1	-0.097348	5	0.014	0.087	0.60944	0.70678	0.029850603	Intergenic	NA	NA
5	168152937	168153130	1	-0.263443	5	0.0017	0.015	0.37805	0.6415	0.005339493	Intergenic	NA	NA
5	168385147	168385339	0.012	-0.21322	12	3.40E-09	3.70E-08	0.14188	0.3551	9.33E-08	Intragenic	NM_053827	Plod1
5	168549043	168549090	1	-0.266642	5	6.30E-06	7.10E-05	0.267	0.53364	5.33E-05	Intragenic	NM_001007654	Agtrap
5	168577218	168577380	0.094	-0.187995	7	1.30E-08	2.90E-07	0.052318	0.24031	3.10E-07	Intergenic	NA	NA
5	168600350	168600489	1	-0.08355	5	0.025	0.088	0.12788	0.21143	0.047453009	Intergenic	NA	NA
5	168614800	168614920	1	-0.23611	5	0.00054	0.015	0.27916	0.51527	0.002077867	Intragenic	NM_138917	Fbxo6
5	168709630	168709830	1	-0.162645	9	0.0024	0.044	0.38532	0.54796	0.00705499	Intergenic	NA	NA
5	168740700	168740722	1	-0.187009	5	4.40E-05	0.00053	0.23212	0.41913	0.000263321	Intergenic	NA	NA
5	168754149	168754195	1	0.131167	5	0.012	0.058	0.40253	0.27136	0.026435197	Intergenic	NA	NA
5	168783044	168783193	1	-0.224412	5	0.0094	0.0031	0.12732	0.35173	0.021723038	Intergenic	NA	NA
5	169064337	169064435	1	-0.20221	5	0.0029	0.059	0.33791	0.54012	0.008293503	Intragenic	NM_053464	Srm
5	169193623	169193690	1	-0.139771	5	0.00048	0.00027	0.091976	0.23175	0.001881331	Intergenic	NA	NA
5	169346656	169346934	1	-0.102759	8	0.022	0.051	0.36937	0.47213	0.043064669	Intergenic	NA	NA
5	169410822	169411133	1	-0.151287	9	0.024	0.046	0.48395	0.63524	0.046241462	Intergenic	NA	NA
5	169424577	169424605	1	0.132587	5	7.80E-05	0.0017	0.41699	0.2844	0.000422981	Intergenic	NA	NA
5	169424611	169424651	1	0.070738	5	0.0035	0.015	0.31157	0.24084	0.009686665	Intergenic	NA	NA
5	169424719	169424848	1	-0.126675	5	0.02	0.25	0.24834	0.37501	0.039778219	Intergenic	NA	NA
5	169424869	169424959	1	-0.087755	14	0.00041	0.00065	0.1262	0.20451	0.001662832	Intergenic	NA	NA
5	169425026	169425148	0.56	-0.145878	10	3.50E-10	1.70E-06	0.14783	0.29371	1.34E-08	Intergenic	NA	NA
5	170164786	170165171	1	-0.105407	5	3.10E-05	0.00098	0.043987	0.14939	0.000197418	Intergenic	NA	NA
5	170207362	170207495	1	-0.151651	5	0.019	0.25	0.50769	0.65934	0.038322088	Intragenic	NM_001007092	Clstn1
5	170209789	170209899	1	-0.299197	5	1.20E-05	0.00026	0.27243	0.57163	9.15E-05	Intragenic	NM_001007092	Clstn1
5	170275268	170276150	3.60E-12	-0.13995	46	4.20E-14	1.10E-17	0.091111	0.23106	6.64E-12	TSS	NM_001108978	Pik3cd
5	170285928	170286057	1	-0.200729	5	0.0074	0.0018	0.19094	0.39167	0.017853001	Intergenic	NA	NA
5	170351870	170352003	1	-0.090802	5	0.002	0.015	0.13464	0.22544	0.006079939	Intragenic	NM_001127574	Slc25a33
5	170496055	170496227	1	-0.144026	9	0.0079	0.034	0.23832	0.38235	0.018998259	Intergenic	NA	NA
5	170512687	170512813	1	-0.077288	8	0.0028	0.037	0.14581	0.2231	0.008113721	Intergenic	NA	NA
5	170575413	170575530	1	-0.268973	5	3.70E-07	3.40E-06	0.10559	0.37457	5.21E-06	Intergenic	NA	NA
5	170580550	170580884	1	-0.107701	5	0.00014	0.0092	0.045623	0.15332	0.000684451	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	170614385	170614585	1	-0.146832	7	0.011	0.077	0.51908	0.66591	0.02463877	Intergenic	NA	NA
5	170661255	170661515	0.99	-0.232457	10	1.20E-08	3.10E-06	0.1054	0.33786	2.88E-07	Intragenic	NM_001106698	H6pd
5	170859747	170859916	1	-0.192295	6	0.0057	0.011	0.37422	0.56651	0.014573809	Intragenic	NM_001134841	Car6
5	171154860	171154924	1	-0.20524	7	4.20E-05	0.00025	0.46504	0.67028	0.00025452	Intragenic	NM_053885	Rere
5	171385954	171385991	1	-0.208839	5	1.90E-05	0.00027	0.17772	0.38656	0.000131674	Intergenic	NA	NA
5	171497070	171497180	1	-0.220803	5	0.002	0.0055	0.39676	0.61756	0.006079939	Intergenic	NA	NA
5	171545522	171546011	1	-0.121546	7	0.00043	0.005	0.12844	0.24998	0.001736911	Intergenic	NA	NA
5	171739398	171739634	1	-0.18122	14	6.60E-09	3.80E-06	0.21864	0.39986	1.72E-07	Intragenic	NM_001195559	Camta1
5	171747968	171748188	1	-0.137519	14	0.00039	0.01	0.5364	0.67392	0.001587612	Intragenic	NM_001195559	Camta1
5	171789689	171789792	1	-0.136743	5	2.20E-05	0.00098	0.1586	0.29534	0.000149617	Intragenic	NM_001195559	Camta1
5	171808482	171808611	1	-0.242268	5	0.00021	0.00013	0.077775	0.32004	0.000951214	Intragenic	NM_001195559	Camta1
5	171829670	171829726	1	-0.165315	5	0.0017	0.0054	0.16232	0.32763	0.005339493	Intragenic	NM_001195559	Camta1
5	171839846	171839949	1	-0.128768	5	0.0094	0.058	0.21731	0.34608	0.021723038	Intragenic	NM_001195559	Camta1
5	171856317	171856472	1	-0.095624	5	0.0035	0.038	0.14271	0.23833	0.009686665	Intragenic	NM_001195559	Camta1
5	171856839	171856985	1	-0.152225	5	0.00088	0.038	0.28986	0.44209	0.003092094	Intragenic	NM_001195559	Camta1
5	171939996	171940198	1	-0.230996	9	8.20E-06	0.0011	0.2823	0.5133	6.66E-05	Intragenic	NM_001195559	Camta1
5	172018886	172018970	1	-0.236175	7	1.40E-07	8.60E-05	0.19026	0.42643	2.25E-06	Intragenic	NM_001195559	Camta1
5	172079227	172079454	1	-0.112973	7	0.0096	0.039	0.36031	0.47329	0.022155406	Intragenic	NM_001195559	Camta1
5	172162479	172162543	1	-0.160804	5	0.00032	0.0031	0.24547	0.40628	0.001346443	Intragenic	NM_001195559	Camta1
5	172174521	172174817	1	-0.111396	12	1.60E-07	0.00014	0.10163	0.21302	2.51E-06	Intragenic	NM_001195559	Camta1
5	172273696	172274194	1	-0.15881	13	0.00038	0.0046	0.27675	0.43556	0.001566539	Intragenic	NM_001195559	Camta1
5	172319188	172319303	1	-0.109976	5	0.0058	0.058	0.11335	0.22333	0.014624129	Intragenic	NM_001195559	Camta1
5	172369584	172369723	1	-0.133606	12	1.30E-05	0.00043	0.25162	0.38522	9.66E-05	Intragenic	NM_001195559	Camta1
5	172442401	172442579	1	-0.155816	5	0.0068	0.088	0.21816	0.37398	0.016642688	Intragenic	NM_001195559	Camta1
5	172600257	172600849	1	-0.112781	14	0.00013	0.0011	0.27953	0.39231	0.000648758	Intergenic	NA	NA
5	172609206	172609255	0.015	-0.055864	5	2.40E-07	4.50E-08	0.0064646	0.062329	3.57E-06	Intergenic	NA	NA
5	172827784	172827826	1	-0.128705	7	0.0014	0.013	0.3228	0.4515	0.004540837	Intragenic	NM_201272	Plekhg5
5	172832191	172832296	1	-0.168825	5	0.0032	0.024	0.21266	0.38148	0.008990975	Intragenic	NM_201272	Plekhg5
5	172838608	172838979	0.48	-0.16634	11	9.50E-10	1.50E-06	0.10831	0.27465	3.19E-08	Intragenic	NM_201272	Plekhg5
5	172859601	172859662	1	-0.170873	5	7.80E-05	0.00053	0.22282	0.39369	0.000422981	Intragenic	NM_019622	Espn
5	172998453	172998601	1	-0.159593	8	0.00046	0.0039	0.24243	0.40202	0.001836485	Intragenic	NM_013214:NM_001146061	Acot7:Acot7
5	173017497	173017589	1	-0.110161	5	0.0032	0.058	0.11534	0.2255	0.008990975	Intergenic	NA	NA
5	173018116	173018168	1	-0.058587	5	0.0087	0.025	0.050834	0.10942	0.020391633	Intergenic	NA	NA
5	173052708	173053020	1	-0.095401	15	0.0019	0.02	0.24564	0.34104	0.005855937	Intergenic	NA	NA
5	173118626	173118661	1	-0.149001	5	0.00048	0.0032	0.39431	0.54331	0.001881331	Intragenic	NM_001271226	Chd5
5	173153030	173153185	0.013	-0.208121	9	2.30E-10	4.00E-08	0.14831	0.35643	9.34E-09	Intragenic	NM_017304	Kcnab2
5	173171471	173171621	0.00088	-0.194177	7	3.00E-09	2.70E-09	0.11527	0.30945	8.36E-08	Intragenic	NM_017304	Kcnab2
5	173260978	173261145	1	-0.156516	5	0.015	0.18	0.26179	0.4183	0.031584896	Intragenic	NM_001037650	Nphp4

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	173527775	173527842	1	-0.170655	5	0.00026	0.0032	0.19607	0.36672	0.001130807	Intergenic	NA	NA
5	173920944	173921081	1	-0.138542	7	0.0072	0.053	0.39239	0.53093	0.017539509	Intergenic	NA	NA
5	173974948	173975092	0.01	-0.150763	10	2.50E-12	3.10E-08	0.031363	0.18213	1.73E-10	Intergenic	NA	NA
5	174020593	174020679	1	-0.111451	7	0.025	0.076	0.28157	0.39302	0.047453009	Intergenic	NA	NA
5	174189741	174190064	1	-0.154274	8	0.00013	0.011	0.15579	0.31006	0.000648758	Intragenic	NM_001101014	Ajap1
5	174195665	174195736	1	0.20873	5	0.00044	0.0092	0.53452	0.32579	0.001760146	TSS	NM_001101014	Ajap1
5	174203713	174203866	1	-0.158319	5	0.01	0.015	0.33763	0.49595	0.02275947	Intergenic	NA	NA
5	174240138	174240402	1	-0.127443	12	1.80E-05	0.00089	0.16246	0.28991	0.000127015	Intergenic	NA	NA
5	174350201	174350347	1	-0.121503	8	0.0064	0.094	0.29593	0.41743	0.015860755	Intergenic	NA	NA
5	174387009	174387110	1	-0.11548	5	0.008	0.015	0.43753	0.55301	0.019059477	Intergenic	NA	NA
5	174482434	174482564	1	-0.092586	5	0.015	0.0088	0.20399	0.29657	0.031584896	Intergenic	NA	NA
5	174727726	174727845	1	-0.132029	5	0.0008	0.015	0.12286	0.25489	0.002866309	Intergenic	NA	NA
5	175145033	175145151	1	-0.139811	7	4.80E-05	0.00042	0.04913	0.18894	0.000285411	Intergenic	NA	NA
5	175150047	175150166	1	-0.124445	5	0.0045	0.015	0.14446	0.26891	0.011905878	Intergenic	NA	NA
5	175153539	175153615	1	-0.162615	5	0.014	0.039	0.24694	0.40955	0.029850603	Intergenic	NA	NA
5	175163683	175163746	1	-0.202128	5	0.011	0.038	0.36045	0.56257	0.02463877	Intergenic	NA	NA
5	175236698	175236788	1	-0.100301	7	3.00E-06	5.40E-05	0.049936	0.15024	2.93E-05	Intergenic	NA	NA
5	175254687	175254841	1	-0.193992	5	0.0094	0.024	0.22597	0.41996	0.021723038	Intergenic	NA	NA
5	175342356	175342527	0.00046	-0.265522	9	1.00E-10	1.40E-09	0.17356	0.43908	4.52E-09	Intergenic	NA	NA
5	175347979	175348007	1	-0.177117	5	5.60E-05	0.00052	0.51214	0.68926	0.000320912	Intergenic	NA	NA
5	175395871	175396024	1	-0.105517	12	0.00083	0.0027	0.50785	0.61337	0.002961434	Intergenic	NA	NA
5	175462992	175463080	1	-0.174696	5	0.00019	0.0031	0.12018	0.29488	0.000879857	Intergenic	NA	NA
5	175566982	175567063	1	-0.160435	5	0.014	0.088	0.4067	0.56714	0.029850603	Intergenic	NA	NA
5	175573013	175573110	1	-0.348723	7	0.00021	5.20E-05	0.32871	0.67744	0.000951214	Intergenic	NA	NA
5	175579682	175579941	1	-0.175724	5	0.0038	0.0054	0.49887	0.67459	0.010352437	Intergenic	NA	NA
5	175612138	175612564	1	-0.228939	9	9.40E-08	1.70E-05	0.17125	0.40019	1.66E-06	Intergenic	NA	NA
5	175666257	175666478	1	-0.232528	9	1.60E-06	0.00013	0.34383	0.57636	1.75E-05	Intergenic	NA	NA
5	175674340	175674649	1	-0.108499	17	1.60E-06	8.20E-05	0.1409	0.2494	1.75E-05	Intergenic	NA	NA
5	175817761	175817970	1	-0.055023	9	0.021	0.11	0.061896	0.11692	0.041207871	Intergenic	NA	NA
5	175917261	175917378	1	-0.219569	5	0.0024	0.015	0.40441	0.62398	0.00705499	Intergenic	NA	NA
5	175927666	175927769	1	-0.194475	5	0.0038	0.088	0.45513	0.64961	0.010352437	TSS	NM_001109405	Pex10
5	176007014	176007141	1	-0.063363	6	0.012	0.084	0.10922	0.17258	0.026435197	Intergenic	NA	NA
5	176080610	176080914	1	-0.091179	5	0.0068	0.059	0.059785	0.15096	0.016642688	Intergenic	NA	NA
5	176209548	176209586	1	-0.142464	5	0.02	0.015	0.46668	0.60914	0.039778219	Intragenic	NM_022507	Prkcz
5	176360722	176360867	1	-0.09056	5	0.00039	0.0092	0.046613	0.13717	0.001587612	Intergenic	NA	NA
5	176556214	176556357	1	-0.123181	7	0.014	0.055	0.45551	0.57869	0.029850603	TSS	NM_053606	Mmp23
5	176693861	176693930	1	-0.277615	5	1.50E-06	7.50E-06	0.0845	0.36211	1.65E-05	Intragenic	NM_001013938	Vwa1
5	176714055	176714256	1	-0.146605	11	5.80E-08	5.20E-05	0.094231	0.24084	1.17E-06	TSS	NM_001109427	Ankrd65
5	176866585	176866839	1	-0.122796	14	0.00014	0.0017	0.24401	0.36681	0.000684451	TSS	NM_001108000	Fam132a

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	176868768	176868867	0.044	-0.386894	7	1.60E-09	1.40E-07	0.11218	0.49908	5.01E-08	Intragenic	NM_001108000	Fam132a
5	176934575	176934805	1	-0.100261	6	0.0042	0.04	0.11776	0.21802	0.011250869	TSS	NM_001024349	Tnfrsf18
5	176967481	176967805	1	-0.155567	5	0.021	0.18	0.18318	0.33875	0.041207871	TSS	NR_132445	LOC106182250
6	726983	727111	1	-0.124679	5	0.015	0.039	0.11735	0.24203	0.031584896	Intergenic	NA	NA
6	863442	863498	1	-0.237692	5	3.50E-05	0.00013	0.33883	0.57652	0.000218038	Intragenic	NM_001169103	Crim1
6	883569	883676	0.2	-0.311406	7	1.20E-08	6.10E-07	0.19944	0.51085	2.88E-07	Intragenic	NM_001169103	Crim1
6	1012828	1012987	1	-0.081823	5	0.014	0.039	0.12904	0.21086	0.029850603	Intergenic	NA	NA
6	1038511	1038594	1	-0.228286	7	7.70E-06	0.00029	0.18879	0.41708	6.32E-05	Intergenic	NA	NA
6	2430912	2431218	1	-0.14835	11	0.00092	0.015	0.28071	0.42906	0.00322604	Intergenic	NA	NA
6	2632302	2632416	1	-0.109719	5	0.0074	0.0018	0.53441	0.64413	0.017853001	Intergenic	NA	NA
6	2892357	2892454	0.77	-0.270148	7	3.70E-08	2.40E-06	0.19071	0.46086	7.87E-07	Intergenic	NA	NA
6	2923006	2923053	1	-0.270455	5	4.20E-07	7.60E-06	0.04073	0.31118	5.76E-06	Intragenic	NM_001191907	Dhx57
6	3021333	3021432	1	-0.079796	5	0.008	0.00052	0.81335	0.89314	0.019059477	Intergenic	NA	NA
6	3517752	3517840	1	-0.230021	5	1.20E-05	0.00098	0.15189	0.38191	9.15E-05	Intergenic	NA	NA
6	3600221	3600338	0.089	-0.241934	5	9.90E-08	2.80E-07	0.061482	0.30342	1.72E-06	Intergenic	NA	NA
6	3624568	3624779	1	-0.059472	11	0.00092	0.01	0.052754	0.11223	0.00322604	TSS	NM_001004282	Tmem178a
6	3682631	3682852	1	-0.204538	9	3.00E-06	0.0002	0.1387	0.34324	2.93E-05	Intragenic	NM_001004282	Tmem178a
6	4006341	4006444	1	-0.064743	7	0.0062	0.056	0.39356	0.4583	0.015570617	Intergenic	NA	NA
6	4377702	4377899	1	-0.165406	7	2.20E-06	5.50E-05	0.093424	0.25883	2.27E-05	Intragenic	NM_001270772:N M_001270773:N M_001270774:N M_001270775:N M_001270776:N M_001270777:N M_001270778:N M_001270779:N M_019268	Slc8a1:Slc8a1: Slc8a1:Slc8a1: Slc8a1:Slc8a1: Slc8a1
6	4778585	4778635	1	-0.110597	5	0.0016	0.0031	0.67588	0.78648	0.005100053	Intergenic	NA	NA
6	6138299	6138351	0.48	-0.363752	6	3.30E-08	1.50E-06	0.31254	0.67629	7.16E-07	Intergenic	NA	NA
6	6255957	6256059	1	-0.106998	5	0.00029	0.0054	0.099471	0.20647	0.001239307	Intergenic	NA	NA
6	6286159	6286309	1	-0.2617	5	0.0063	0.0092	0.24858	0.51028	0.015629046	Intergenic	NA	NA
6	6305200	6305318	1	-0.218249	5	0.00044	0.00098	0.062556	0.28081	0.001760146	Intergenic	NA	NA
6	6419407	6419507	1	-0.241349	7	3.90E-05	0.00045	0.31724	0.55859	0.000237659	Intergenic	NA	NA
6	6421653	6421789	1	-0.16058	5	0.0074	0.038	0.31983	0.48041	0.017853001	Intergenic	NA	NA
6	6640975	6641127	5.50E-05	-0.271206	9	3.70E-12	1.70E-10	0.28598	0.55719	2.43E-10	Intergenic	NA	NA
6	7005923	7006034	1	-0.137078	7	6.00E-05	0.00081	0.16224	0.29932	0.000341554	TSS	NM_020076	Hao
6	7007205	7007420	1	-0.114145	7	2.20E-05	0.00049	0.066637	0.18078	0.000149617	TSS	NM_020076	Hao
6	7293196	7293324	1	-0.072392	7	0.0046	0.017	0.097338	0.16973	0.012157071	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	7322318	7322428	1	-0.051383	5	0.012	0.038	0.030626	0.082008	0.026435197	Intergenic	NA	NA
6	8173988	8174050	1	-0.092195	5	0.002	0.038	0.070987	0.16318	0.006079939	Intragenic	NM_001270620:N M_001270619:N M_033096	Ppm1b:Ppm1 b:Ppm1b
6	8217576	8217823	1	-0.215913	8	1.00E-05	0.00067	0.1701	0.38602	7.82E-05	TSS	NM_017216	Slc3a1
6	8223390	8223534	1	-0.089016	5	0.016	0.0053	0.13843	0.22745	0.033288089	Intragenic	NM_017216	Slc3a1
6	8230872	8231084	1	-0.194156	8	0.00035	0.0059	0.55225	0.7464	0.001465488	Intragenic	NM_017216	Slc3a1
6	8830078	8830182	1	-0.082826	8	0.017	0.068	0.56037	0.6432	0.034796287	Intergenic	NA	NA
6	8876547	8876685	1	-0.054211	6	0.0042	0.059	0.079872	0.13408	0.011250869	TSS	NM_001191908	Six2
6	8882117	8882202	1	-0.10815	8	6.70E-05	0.0078	0.10126	0.20941	0.000375356	Intergenic	NA	NA
6	8942275	8942547	1	-0.13032	7	0.00012	0.00041	0.085473	0.21579	0.000603617	Intergenic	NA	NA
6	9402356	9402443	1	-0.06735	6	0.0034	0.058	0.068485	0.13584	0.009519525	Intergenic	NA	NA
6	9404937	9405079	0.5	-0.124217	12	1.20E-09	1.50E-06	0.035115	0.15933	3.88E-08	TSS	NM_017171	Prkce
6	9438115	9438247	0.015	-0.216943	9	1.60E-10	4.60E-08	0.04966	0.2666	6.77E-09	Intragenic	NM_017171	Prkce
6	9630487	9630611	1	-0.187562	7	5.60E-06	0.00049	0.16343	0.35099	4.84E-05	Intragenic	NM_017171	Prkce
6	9648038	9648163	1	-0.245153	5	0.00012	0.0032	0.23971	0.48487	0.000603617	Intragenic	NM_017171	Prkce
6	20693891	20693968	1	-0.180428	5	0.00088	0.015	0.6169	0.79733	0.003092094	Intragenic	NM_001109274	Socs5
6	20745005	20745159	1	-0.121536	7	0.022	0.077	0.47586	0.5974	0.043064669	Intergenic	NA	NA
6	20957544	20957607	1	-0.184631	5	0.0049	0.059	0.32616	0.51079	0.012753585	Intragenic	NM_001100756	Ttc7a
6	21051247	21051291	1	-0.065259	8	0.0039	0.018	0.18229	0.24755	0.010605635	TSS	NM_001163562	LOC681766
6	21279158	21279228	1	-0.175613	5	2.80E-05	0.00014	0.16095	0.33656	0.000182174	TSS	NM_138541	Epcam
6	21500952	21501071	1	-0.116886	5	0.019	0.13	0.39848	0.51537	0.038322088	Intergenic	NA	NA
6	22478336	22478410	1	-0.131127	5	0.00059	0.00051	0.17123	0.30235	0.002242971	Intragenic	NM_012978	Lhcgr
6	22516226	22516379	1	-0.066912	7	0.011	0.056	0.091157	0.15807	0.02463877	TSS	NM_012978	Lhcgr
6	22740228	22740387	1	-0.055464	5	0.0045	0.015	0.83289	0.88836	0.011905878	Intergenic	NA	NA
6	24553808	24553877	1	0.086531	5	0.0074	0.015	0.75633	0.6698	0.017853001	Intragenic	NM_021767	Nrxn1
6	24735934	24736003	1	0.087231	5	0.02	0.058	0.75703	0.6698	0.039778219	Intragenic	NM_021767	Nrxn1
6	25209107	25209399	1	-0.171007	17	2.00E-08	3.70E-05	0.40799	0.579	4.60E-07	Intergenic	NA	NA
6	28251330	28251368	0.4	-0.209257	7	0.0013	1.20E-06	0.20607	0.41533	0.004277683	Intergenic	NA	NA
6	28719727	28720004	1	-0.07648	8	0.025	0.07	0.17718	0.25366	0.047453009	Intergenic	NA	NA
6	31441173	31441324	1	-0.113542	10	0.0051	0.054	0.33166	0.4452	0.013208341	Intragenic	NM_021587	Ltbp1
6	31584984	31585171	1	-0.105686	8	0.0078	0.019	0.29988	0.40557	0.018765285	Intergenic	NA	NA
6	31693629	31693775	0.33	-0.206708	9	9.40E-08	1.00E-06	0.1536	0.36031	1.66E-06	Intragenic	NM_001106706	Ttc27
6	32815791	32815894	1	-0.176138	5	0.0029	0.024	0.30948	0.48562	0.008293503	Intragenic	NM_001169101	Alk
6	33048081	33048178	1	-0.106209	5	0.0017	0.0054	0.1304	0.23661	0.005339493	Intragenic	NM_001169101	Alk
6	34134954	34135167	1	-0.10777	9	0.02	0.082	0.46038	0.56815	0.039778219	Intergenic	NA	NA
6	34387473	34387551	1	-0.196754	7	5.30E-08	1.60E-05	0.10707	0.30382	1.08E-06	Intergenic	NA	NA
6	35988722	35988819	1	-0.170606	5	0.019	0.038	0.29578	0.46639	0.038322088	Intergenic	NA	NA
6	36016590	36016623	1	-0.104948	5	0.01	0.039	0.21585	0.32079	0.02275947	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	36305624	36305925	2.20E-12	-0.17863	31	4.10E-14	6.70E-18	0.058581	0.23721	6.64E-12	TSS	NM_001109674	Krtcap3
6	36357459	36357575	1	-0.241462	5	1.20E-05	0.00052	0.10176	0.34322	9.15E-05	TSS	NM_001012110	Zfp513
6	36623396	36623517	0.00038	-0.202366	15	1.30E-12	1.20E-09	0.52397	0.72633	9.76E-11	Intragenic	NM_139087	Cgref1
6	36637207	36637295	1	-0.164444	5	5.00E-05	0.00053	0.069024	0.23347	0.000291675	TSS	NM_031855	Khk
6	36637354	36637454	0.046	-0.18864	7	2.20E-09	1.40E-07	0.12985	0.31849	6.51E-08	TSS	NM_031855	Khk
6	36899732	36899776	1	-0.057579	5	0.015	0.18	0.84457	0.90215	0.031584896	Intergenic	NA	NA
6	36905756	36905819	1	-0.116789	7	0.001	0.0033	0.20315	0.31993	0.003452169	Intergenic	NA	NA
6	36906374	36906418	1	-0.06375	5	0.017	0.18	0.83601	0.89976	0.034796287	Intergenic	NA	NA
6	37049692	37049936	1	-0.186033	5	0.0011	0.0055	0.062735	0.24877	0.003737263	Intergenic	NA	NA
6	37272167	37272323	1	-0.080728	10	0.00017	0.0006	0.099602	0.18033	0.000806192	TSS	NM_001007009	Drc1
6	37306141	37306186	1	-0.342289	5	5.60E-07	7.60E-06	0.31196	0.65425	7.29E-06	Intragenic	NM_001134754	Seli
6	37726191	37726303	1	-0.178933	5	0.00032	0.00097	0.059471	0.2384	0.001346443	Intergenic	NA	NA
6	37935900	37936296	1	-0.120583	12	0.012	0.12	0.28031	0.40089	0.026435197	Intragenic	NM_001012191	Dtnb
6	38176332	38176371	1	-0.087285	5	0.011	0.088	0.2527	0.33999	0.02463877	Intergenic	NA	NA
6	38176415	38176464	1	-0.138572	5	0.0016	0.0018	0.2432	0.38178	0.005100053	Intergenic	NA	NA
6	38197221	38197328	1	-0.053893	11	6.90E-06	7.10E-05	0.06847	0.12236	5.80E-05	Intragenic	NM_139326	Pomc
6	38416530	38416691	1	-0.200919	7	0.00088	0.00049	0.38894	0.58986	0.003092094	Intragenic	NM_130779	Adcy3
6	38853349	38853689	1	-0.056505	34	1.00E-08	6.30E-06	0.13471	0.19122	2.49E-07	Intergenic	NA	NA
6	38854179	38854200	1	0.203609	5	0.0032	0.0093	0.45236	0.24875	0.008990975	Intergenic	NA	NA
6	38855778	38855820	1	0.116548	9	9.60E-07	4.80E-05	0.26753	0.15098	1.15E-05	Intergenic	NA	NA
6	39045143	39045163	1	-0.050458	5	7.80E-05	0.0031	0.044453	0.094911	0.000422981	Intergenic	NA	NA
6	39262405	39262419	1	-0.061183	5	0.0068	0.039	0.15236	0.21354	0.016642688	Intergenic	NA	NA
6	39262422	39262434	1	-0.051117	5	0.0008	0.015	0.10019	0.1513	0.002866309	Intergenic	NA	NA
6	39262766	39262787	1	0.201284	5	0.002	0.0092	0.45294	0.25165	0.006079939	Intergenic	NA	NA
6	39262826	39263392	1	0.096208	52	0.00025	0.02	0.30518	0.20053	0.001103692	Intergenic	NA	NA
6	39265002	39265050	1	0.102606	10	2.40E-06	0.00016	0.26204	0.15944	2.45E-05	Intergenic	NA	NA
6	39265528	39265548	1	0.068433	5	0.0032	0.0055	0.22334	0.15491	0.008990975	Intergenic	NA	NA
6	39270076	39270097	1	0.075464	5	0.012	0.088	0.22795	0.15249	0.026435197	TSS	NR_046238	Rn5-8s
6	39270247	39270263	1	-0.265782	5	0.0011	0.00097	0.19086	0.45664	0.003737263	TSS	NR_046238	Rn5-8s
6	39272364	39272732	1	0.084951	37	0.00072	0.017	0.14517	0.11617	0.002634665	TSS	NR_046238	Rn5-8s
6	39273823	39273845	1	-0.051451	5	0.0087	0.088	0.16206	0.21351	0.020391633	TSS	NR_046238	Rn5-8s
6	39274736	39274764	1	0.101235	5	5.60E-05	0.0018	0.22027	0.11903	0.000320912	Intergenic	NA	NA
6	40511499	40511568	1	-0.23576	5	2.50E-06	7.60E-06	0.060213	0.29597	2.52E-05	Intragenic	NM_001106713	Klhl29
6	42857419	42857589	1	-0.11425	6	0.0036	0.0066	0.39688	0.51113	0.009945103	Intergenic	NA	NA
6	42956281	42956413	1	-0.186946	5	0.0008	0.015	0.24928	0.43623	0.002866309	TSS	NM_019287	Apob
6	43293434	43293519	1	-0.074308	5	0.016	0.18	0.10233	0.17664	0.033288089	TSS	NM_001170350	Gdf7
6	43337141	43337229	1	-0.198293	5	0.012	0.088	0.35251	0.5508	0.026435197	Intergenic	NA	NA
6	43354877	43354977	1	-0.173643	5	0.0014	0.0031	0.40671	0.58035	0.004540837	Intergenic	NA	NA
6	43375494	43375893	1	-0.113306	9	0.0035	0.11	0.2184	0.3317	0.009686665	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	43416788	43417044	1	-0.071701	10	0.00048	0.00059	0.097085	0.16879	0.001881331	Intergenic	NA	NA
6	43459638	43459761	1	-0.295623	5	5.50E-06	1.60E-05	0.1312	0.42683	4.78E-05	Intergenic	NA	NA
6	43521959	43522025	1	-0.183258	5	0.0017	0.025	0.20537	0.38862	0.005339493	TSS	NM_001106714	Slc7a15
6	51108964	51109381	1	-0.168669	13	2.10E-06	0.00015	0.27724	0.44591	2.20E-05	Intergenic	NA	NA
6	51317604	51317631	1	-0.085309	5	0.011	0.18	0.12968	0.21498	0.02463877	Intergenic	NA	NA
6	51317722	51317843	1	-0.189363	7	5.80E-08	8.60E-06	0.057434	0.2468	1.17E-06	Intergenic	NA	NA
6	51746856	51746967	1	-0.115841	9	0.0069	0.056	0.4532	0.56905	0.01685311	Intergenic	NA	NA
6	52116648	52116848	1	-0.147636	7	0.0017	0.026	0.14475	0.29239	0.005339493	Intergenic	NA	NA
6	52732730	52732904	1	-0.100576	10	5.80E-05	0.00019	0.05323	0.15381	0.000331425	Intragenic	NM_017356	Hpcal1
6	52770090	52770167	1	-0.105375	5	2.50E-06	3.40E-06	0.014646	0.12002	2.52E-05	Intragenic	NM_017356	Hpcal1
6	56513709	56513777	1	-0.118486	5	0.0038	0.038	0.68497	0.80346	0.010352437	TSS	NM_001195807	Dcdc2c
6	56513965	56514042	1	-0.183031	5	3.50E-05	0.00052	0.59717	0.7802	0.000218038	TSS	NM_001195807	Dcdc2c
6	58648969	58649112	1	-0.065523	5	0.0008	0.0055	0.075338	0.14086	0.002866309	TSS	NM_001025051	Fam110c
6	58842754	58842849	1	-0.256193	5	6.20E-05	0.0018	0.24079	0.49698	0.000349462	Intergenic	NA	NA
6	59233840	59233911	1	-0.178266	5	0.019	0.086	0.31895	0.49721	0.038322088	Intergenic	NA	NA
6	59472896	59472997	0.78	-0.246732	7	9.70E-09	2.40E-06	0.065161	0.31189	2.44E-07	Intergenic	NA	NA
6	60256882	60257008	1	-0.225596	5	0.02	0.088	0.25463	0.48022	0.039778219	Intragenic	NM_001030030	Cpsf3
6	60711629	60711816	1	-0.128202	5	0.0094	0.059	0.24304	0.37124	0.021723038	Intragenic	NM_001037354	Klf11
6	62110996	62111129	1	-0.052909	5	0.015	0.088	0.079139	0.13205	0.031584896	Intergenic	NA	NA
6	62570555	62570737	1	-0.094575	5	0.0014	0.039	0.653	0.74758	0.004540837	Intergenic	NA	NA
6	62585217	62585288	1	-0.063033	5	7.00E-05	0.00052	0.061663	0.1247	0.000386221	Intergenic	NA	NA
6	62854177	62854307	1	-0.130471	5	0.0087	0.015	0.67011	0.80058	0.020391633	Intergenic	NA	NA
6	64604297	64604428	1	-0.120401	5	0.0019	0.015	0.16248	0.28288	0.005855937	Intragenic	NM_001308254:NM_001308255:NM_013149:NR_131775:NR_131776	Ahr:Ahr:Ahr:Ahr:Ahr
6	69010945	69011058	1	-0.104824	5	0.019	0.058	0.61957	0.72439	0.038322088	Intergenic	NA	NA
6	69143620	69143755	1	-0.164725	5	0.00059	0.0018	0.20764	0.37236	0.002242971	Intergenic	NA	NA
6	72383869	72383894	1.60E-08	-0.504571	9	3.40E-13	5.00E-14	0.12016	0.62473	3.00E-11	Intergenic	NA	NA
6	72511618	72511677	1	-0.085928	5	0.0058	0.0092	0.85315	0.93908	0.014624129	Intergenic	NA	NA
6	77675664	77675924	1	0.13048	5	0.0058	0.015	0.76139	0.63091	0.014624129	Intergenic	NA	NA
6	83165702	83165907	1	-0.209904	6	6.30E-05	0.0016	0.1673	0.3772	0.000354102	Intragenic	NM_022618	Akap6
6	83540990	83541055	1	-0.115888	5	0.0063	0.015	0.68279	0.79867	0.015629046	Intragenic	NM_022618	Akap6
6	84814411	84814525	1	-0.31815	5	2.40E-05	0.00014	0.20813	0.52628	0.000160049	Intergenic	NA	NA
6	85165942	85166348	0.65	-0.222074	13	3.40E-10	2.00E-06	0.20079	0.42286	1.31E-08	Intergenic	NA	NA
6	86053158	86053525	1	-0.057348	5	0.017	0.18	0.78607	0.84342	0.034796287	Intragenic	NM_020083	Ralgapa1
6	86184996	86185034	1	-0.188788	5	1.00E-05	0.00014	0.4226	0.61139	7.82E-05	Intragenic	NM_020083	Ralgapa1
6	87138729	87138769	1	-0.051544	7	0.0062	0.11	0.070517	0.12206	0.015570617	Intragenic	NM_001039539	Pax9

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	87559106	87559178	1	-0.169139	6	5.20E-06	0.00017	0.12047	0.28961	4.61E-05	Intragenic	NM_133614	Slc25a21
6	87586976	87587041	1	-0.170554	5	0.0094	0.0016	0.30364	0.47419	0.021723038	Intragenic	NM_133614	Slc25a21
6	87636279	87636485	1.80E-05	-0.089101	20	4.80E-14	5.50E-11	0.059596	0.1487	6.71E-12	TSS	NM_133614	Slc25a21
6	88114317	88114427	1	-0.054494	8	0.0036	0.019	0.04093	0.095424	0.009945103	Intergenic	NA	NA
6	88156843	88156901	1	-0.216023	5	0.0017	0.039	0.17781	0.39383	0.005339493	Intergenic	NA	NA
6	89654595	89654650	1	-0.08341	5	0.00059	0.0053	0.087613	0.17102	0.002242971	Intergenic	NA	NA
6	92426811	92426934	0.0015	-0.104268	22	4.30E-14	4.60E-09	0.13252	0.23679	6.64E-12	Intergenic	NA	NA
6	92500488	92500611	0.0015	-0.104268	22	4.30E-14	4.60E-09	0.13252	0.23679	6.64E-12	Intergenic	NA	NA
6	100018271	100018319	1	0.059081	5	0.0045	0.038	0.91948	0.8604	0.011905878	Intergenic	NA	NA
6	100915681	100915824	0.00025	-0.217658	13	2.00E-12	7.70E-10	0.13017	0.34783	1.42E-10	TSS	NM_012876:NR_10377	Rps29:Rn7sl1
6	101036655	101037114	1	-0.072618	14	0.025	0.2	0.65148	0.72409	0.047453009	Intergenic	NA	NA
6	101136721	101136838	0.022	-0.233957	11	2.30E-12	6.70E-08	0.13482	0.36878	1.61E-10	TSS	NR_110377	Rn7sl1
6	101150415	101150459	1	-0.13987	5	0.0045	0.015	0.056561	0.19643	0.011905878	TSS	NM_024152	Arf6
6	101320698	101320743	1	-0.098175	5	0.013	0.087	0.21852	0.31669	0.028097302	Intergenic	NA	NA
6	101558175	101558203	0.49	-0.2982	5	5.60E-07	1.50E-06	0.22509	0.52329	7.29E-06	Intragenic	NM_001025121	Cdk11
6	102811437	102811498	1	-0.266322	5	2.20E-06	6.90E-05	0.24915	0.51547	2.27E-05	Intergenic	NA	NA
6	103004651	103004831	1	-0.097207	12	0.0034	0.037	0.13515	0.19778	0.009519525	Intergenic	NA	NA
6	103004832	103004866	1	-0.050301	5	0.013	0.037	0.044519	0.09482	0.028097302	Intergenic	NA	NA
6	103151061	103151194	1	-0.236436	5	3.30E-06	3.40E-05	0.12221	0.35865	3.16E-05	Intergenic	NA	NA
6	104208462	104208543	1	-0.179902	5	0.0022	0.015	0.22125	0.40116	0.006578104	Intergenic	NA	NA
6	105362678	105362833	1	-0.070325	8	0.00048	0.0086	0.086336	0.15666	0.001881331	Intergenic	NA	NA
6	105727862	105728089	1	-0.180196	11	1.20E-06	7.20E-05	0.17296	0.35315	1.37E-05	Intergenic	NA	NA
6	105892760	105892856	1	-0.111066	5	0.025	0.088	0.44786	0.55892	0.047453009	Intergenic	NA	NA
6	106198711	106198914	1	-0.12704	8	3.10E-05	0.013	0.078078	0.20512	0.000197418	Intergenic	NA	NA
6	106307315	106307379	1	-0.211468	5	0.00023	0.00053	0.5088	0.72027	0.00102405	Intragenic	NM_001108033	Snapc1
6	108300407	108300472	1	-0.090562	5	6.20E-05	0.00014	0.047843	0.1384	0.000349462	Intergenic	NA	NA
6	109047912	109048019	1	-0.177927	5	5.60E-05	0.00014	0.22307	0.40099	0.000320912	Intergenic	NA	NA
6	109239482	109239620	1	-0.106615	8	0.00072	0.018	0.15407	0.26068	0.002634665	TSS	NM_183403	Gpx2
6	110663387	110663495	1	-0.145003	5	0.015	0.0055	0.32708	0.47209	0.031584896	Intergenic	NA	NA
6	111504045	111504134	1	-0.146632	5	0.014	0.058	0.20762	0.35426	0.029850603	Intergenic	NA	NA
6	112780253	112780368	0.97	-0.248358	8	2.00E-07	3.00E-06	0.2141	0.46246	3.06E-06	Intragenic	NM_001195505:NM_001195506:NM_019257	Srsf5:Srsf5:Srsf5
6	113414956	113415019	1	-0.11651	7	0.0012	0.0052	0.20315	0.31966	0.004013471	Intergenic	NA	NA
6	113415391	113415517	1	-0.167336	7	0.00013	1.50E-05	0.23664	0.40397	0.000648758	Intergenic	NA	NA
6	113667039	113667375	1	-0.188205	9	0.00039	0.013	0.27454	0.46275	0.001587612	Intergenic	NA	NA
6	113819229	113819266	1	-0.197682	5	0.00019	0.00014	0.27102	0.4687	0.000879857	Intragenic	NM_001170347	Pcnx1
6	114506709	114506879	1	-0.183087	8	0.013	0.032	0.43485	0.61794	0.028097302	Intragenic	NM_019342	Rgs6

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	114717154	114717309	1	-0.125119	10	0.021	0.00086	0.3828	0.50792	0.041207871	Intragenic	NM_019342	Rgs6
6	115905989	115906086	1	-0.09546	7	0.0015	0.038	0.19864	0.2941	0.004849475	Intergenic	NA	NA
6	116035175	116035363	1	-0.078365	7	0.013	0.0073	0.60744	0.6858	0.028097302	Intergenic	NA	NA
6	116056371	116056517	1	-0.083248	15	0.00015	0.00015	0.19072	0.27397	0.000724207	Intragenic	NM_031005	Actn1
6	116491280	116491386	1	-0.12236	8	0.0036	0.037	0.37391	0.49627	0.009945103	Intragenic	NM_001108043	Mlh3
6	116594855	116594909	1	-0.133265	5	0.002	0.024	0.1859	0.31917	0.006079939	Intergenic	NA	NA
6	116626998	116627244	1	-0.127288	5	0.017	0.059	0.53826	0.66555	0.034796287	Intergenic	NA	NA
6	116943139	116943245	1	-0.131662	5	3.10E-05	3.30E-05	0.13467	0.26634	0.000197418	Intergenic	NA	NA
6	117093775	117093802	1	-0.064696	5	0.0032	0.0018	0.77075	0.83545	0.008990975	Intergenic	NA	NA
6	117183342	117183400	1	-0.207951	5	0.00059	0.015	0.31453	0.52248	0.002242971	Intergenic	NA	NA
6	117842019	117842128	1	-0.197574	5	4.30E-06	0.00014	0.12215	0.31973	3.93E-05	Intergenic	NA	NA
6	118775202	118775371	0.94	-0.157266	8	4.60E-08	2.90E-06	0.031672	0.18894	9.56E-07	Intergenic	NA	NA
6	118842365	118842479	1	-0.190411	5	0.0049	0.0054	0.21582	0.40623	0.012753585	Intergenic	NA	NA
6	119243609	119243680	1	-0.139575	5	0.021	0.13	0.25057	0.39014	0.041207871	TSS	NM_013174	Tgfb3
6	119377889	119378112	1	-0.059539	15	6.90E-06	0.0012	0.075993	0.13553	5.80E-05	Intergenic	NA	NA
6	119889497	119889580	1	-0.209346	5	1.20E-05	7.00E-05	0.2096	0.41895	9.15E-05	Intergenic	NA	NA
6	120108512	120108628	1	-0.069758	5	0.014	0.087	0.060555	0.13031	0.029850603	Intergenic	NA	NA
6	120117875	120118011	1	-0.056563	7	0.013	0.11	0.050816	0.10738	0.028097302	Intergenic	NA	NA
6	120194304	120194495	2.10E-05	-0.209786	11	9.80E-12	6.40E-11	0.060216	0.27	5.69E-10	TSS	NM_001012470	Irf2bpl
6	120194519	120194588	1	-0.140508	5	8.50E-07	3.50E-05	0.051154	0.19166	1.03E-05	TSS	NM_001012470	Irf2bpl
6	120194643	120194679	1	-0.071584	5	6.20E-05	0.00014	0.025284	0.096869	0.000349462	TSS	NM_001012470	Irf2bpl
6	120194680	120194739	1	-0.053907	5	9.20E-06	0.00028	0.028287	0.082194	7.32E-05	TSS	NM_001012470	Irf2bpl
6	120194803	120195035	0.4	-0.103324	13	2.50E-08	1.20E-06	0.033258	0.14439	5.59E-07	TSS	NM_001012470	Irf2bpl
6	120288266	120288333	1	-0.299156	5	0.00065	0.015	0.35443	0.65358	0.002426546	Intergenic	NA	NA
6	120592133	120592275	0.018	-0.338899	8	3.40E-08	5.60E-08	0.10733	0.44623	7.35E-07	Intergenic	NA	NA
6	122376100	122376231	1	0.193243	8	0.0064	0.07	0.77981	0.58656	0.015860755	Intragenic	NM_053817	Nrxn3
6	127947189	127947228	1	-0.364471	5	5.50E-06	0.00014	0.14187	0.50634	4.78E-05	Intergenic	NA	NA
6	132338195	132338284	1	-0.163114	5	0.012	0.015	0.26765	0.43076	0.026435197	Intergenic	NA	NA
6	132587430	132587603	1	-0.143017	5	0.00026	0.00052	0.13154	0.27456	0.001130807	Intragenic	NM_001108047	Foxn3
6	132770762	132770955	1	-0.197361	7	0.0035	0.0083	0.35969	0.55705	0.009686665	Intragenic	NM_001108047	Foxn3
6	133247833	133247943	1	-0.112974	5	0.0058	0.0005	0.083804	0.19678	0.014624129	Intragenic	NM_022293	Kcnk13
6	133542080	133542223	1	-0.198054	5	0.008	0.039	0.12981	0.32786	0.019059477	Intragenic	NM_001108719	Ttc7b
6	133725562	133725667	1	-0.189528	8	3.90E-06	1.80E-05	0.16176	0.35129	3.62E-05	Intergenic	NA	NA
6	134213758	134213815	0.21	-0.209577	5	9.90E-08	6.60E-07	0.092836	0.30241	1.72E-06	Intergenic	NA	NA
6	134954049	134954133	1	-0.246807	5	0.0019	0.00014	0.30434	0.55115	0.005855937	Intergenic	NA	NA
6	135467638	135467703	1	-0.267435	5	0.019	0.0092	0.37888	0.64632	0.038322088	Intragenic	NM_001108052	Rin3
6	135541796	135542048	1	-0.142266	5	0.008	0.024	0.092495	0.23476	0.019059477	Intergenic	NA	NA
6	135692815	135693087	0.057	-0.233357	10	9.40E-10	1.80E-07	0.090345	0.3237	3.16E-08	Intragenic	NM_001191985	Itpk1
6	135777712	135778029	1	-0.16168	5	0.0063	0.038	0.19628	0.35796	0.015629046	Intragenic	NM_001191985	Itpk1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	135827715	135827863	1	-0.183571	5	0.0068	0.0017	0.086108	0.26968	0.016642688	TSS	NM_001013101	Moap1
6	136408946	136409135	1	-0.142171	8	0.005	0.051	0.3542	0.49637	0.012977322	Intergenic	NA	NA
6	136469500	136469549	1	-0.217624	5	3.30E-06	7.00E-05	0.13039	0.34801	3.16E-05	TSS	NM_001011984	Asb2
6	137326043	137326133	1	-0.198667	5	0.00015	0.00014	0.10227	0.30094	0.000724207	TSS	NM_001047975	LOC690435
6	137606669	137606760	1	-0.273821	8	0.0012	0.0055	0.48386	0.75768	0.004013471	Intergenic	NA	NA
6	137725249	137725388	1	-0.209707	5	0.00021	3.40E-05	0.038621	0.24833	0.000951214	Intragenic	NM_001106755	Clmn
6	137744871	137744934	1	-0.184172	5	0.01	0.037	0.38632	0.57049	0.02275947	Intragenic	NM_001106755	Clmn
6	137797055	137797217	1	-0.097271	5	0.0087	0.015	0.10453	0.2018	0.020391633	Intergenic	NA	NA
6	137867127	137867384	1	-0.159155	5	0.00072	0.00095	0.11581	0.27496	0.002634665	Intragenic	NM_001106762	Syne3
6	138032233	138032344	1	-0.091619	7	0.017	0.038	0.74318	0.8348	0.034796287	Intergenic	NA	NA
6	138177727	138177916	1	-0.141055	8	0.0072	0.051	0.35387	0.49492	0.017539509	Intergenic	NA	NA
6	138379504	138379646	1	-0.185901	5	7.00E-05	7.00E-05	0.11667	0.30257	0.000386221	Intergenic	NA	NA
6	138386092	138386153	1	-0.277833	5	4.20E-07	3.40E-06	0.19431	0.47215	5.76E-06	Intergenic	NA	NA
6	138672452	138672539	1	-0.212487	5	0.0012	0.0031	0.38898	0.60147	0.004013471	Intergenic	NA	NA
6	138762320	138762650	1	-0.149041	9	0.00082	0.024	0.2203	0.36934	0.002936216	Intragenic	NM_001108055	Ak7
6	138884615	138884790	0.0043	-0.141165	13	3.10E-12	1.30E-08	0.08216	0.22332	2.12E-10	Intergenic	NA	NA
6	138905828	138905851	1	-0.15005	5	0.012	0.025	0.47888	0.62893	0.026435197	Intergenic	NA	NA
6	138940240	138940398	1	-0.15102	7	0.01	0.11	0.2943	0.44532	0.02275947	Intergenic	NA	NA
6	138953089	138953159	1	-0.151578	5	0.00023	0.00053	0.22821	0.37979	0.00102405	Intergenic	NA	NA
6	139106638	139106702	1	-0.149043	5	0.016	0.039	0.301	0.45005	0.033288089	Intergenic	NA	NA
6	139126772	139126876	1	-0.170488	5	0.00088	0.015	0.22755	0.39804	0.003092094	Intergenic	NA	NA
6	139210271	139210294	1	-0.064658	10	6.40E-08	2.40E-05	0.067254	0.13191	1.19E-06	Intergenic	NA	NA
6	139847417	139847577	1	-0.099853	7	0.00065	0.00073	0.6229	0.72275	0.002426546	Intergenic	NA	NA
6	139861347	139861524	1	-0.161936	5	0.00072	0.0091	0.12832	0.29026	0.002634665	Intergenic	NA	NA
6	140049589	140049709	1	-0.086204	6	0.02	0.0043	0.47055	0.55675	0.039778219	Intergenic	NA	NA
6	140872687	140872843	1	-0.111045	7	0.021	0.072	0.35989	0.47093	0.041207871	Intergenic	NA	NA
6	140897193	140897296	1	-0.112545	5	0.0049	0.059	0.11761	0.23016	0.012753585	Intergenic	NA	NA
6	141027484	141027746	1	-0.123039	6	0.00021	0.0068	0.047432	0.17047	0.000951214	Intragenic	NM_001277287:NM_001277288	Bcl11b:Bcl11b
6	141072522	141073115	1	-0.067244	13	6.40E-07	0.00095	0.041762	0.10901	8.24E-06	Intragenic	NM_001277287:NM_001277288	Bcl11b:Bcl11b
6	141073500	141073899	1	-0.063279	19	1.70E-09	1.80E-05	0.04797	0.11125	5.28E-08	Intragenic	NM_001277287:NM_001277288	Bcl11b:Bcl11b
6	141131680	141131854	1	-0.156987	5	0.02	0.087	0.32795	0.48494	0.039778219	Intergenic	NA	NA
6	141284071	141284126	1	-0.132501	5	0.0045	0.015	0.37406	0.50656	0.011905878	Intergenic	NA	NA
6	141286186	141286447	1	-0.204393	5	0.0016	0.015	0.2094	0.4138	0.005100053	Intergenic	NA	NA
6	141287557	141287629	1	-0.239495	5	1.70E-05	0.00053	0.23326	0.47276	0.000120524	Intergenic	NA	NA
6	141296507	141296637	1	-0.159457	5	0.014	0.059	0.22288	0.38234	0.029850603	Intergenic	NA	NA
6	141303223	141303323	1	-0.145785	5	0.017	0.025	0.34125	0.48704	0.034796287	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	141322771	141322968	1	-0.238241	6	1.40E-05	2.50E-05	0.033766	0.27201	0.000103723	Intergenic	NA	NA
6	141410148	141410188	1	-0.089022	5	0.0024	0.059	0.11013	0.19915	0.00705499	Intergenic	NA	NA
6	141410504	141410523	1	-0.052982	5	0.0017	0.0055	0.025919	0.078901	0.005339493	Intergenic	NA	NA
6	141434816	141434994	1	-0.135296	5	0.025	0.088	0.27134	0.40663	0.047453009	Intragenic	NM_001108723	Cyp46a1
6	141453184	141453288	1	-0.185255	5	0.0041	0.024	0.2544	0.43966	0.01100507	Intergenic	NA	NA
6	141513591	141513741	1	-0.152655	5	0.00017	0.00098	0.077523	0.23018	0.000806192	Intergenic	NA	NA
6	141972522	141972548	0.21	-0.227901	5	1.10E-07	6.60E-07	0.21229	0.4402	1.86E-06	TSS	NM_001013170	Wars
6	142109216	142109232	1	-0.093405	5	0.011	0.13	0.63819	0.7316	0.02463877	Intragenic	NM_024163:NM_001111115	Begain:Gain
6	142109365	142109431	1	-0.133244	5	0.021	0.059	0.50499	0.63823	0.041207871	Intragenic	NM_024163:NM_001111115	Begain:Gain
6	142109860	142109914	1	-0.065166	5	0.0017	0.025	0.86588	0.93105	0.005339493	Intragenic	NM_024163:NM_001111115	Begain:Gain
6	142121695	142121809	1	-0.126172	8	0.0011	0.07	0.18961	0.31578	0.003737263	Intragenic	NM_024163:NM_001111115	Begain:Gain
6	142333578	142333692	1	-0.162055	7	0.00083	0.038	0.29049	0.45255	0.002961434	Intergenic	NA	NA
6	142484187	142484227	1	0.053206	5	0.013	0.13	0.94498	0.89177	0.028097302	Intergenic	NA	NA
6	142748380	142748736	1.70E-07	-0.216662	29	4.00E-14	5.20E-13	0.15159	0.36825	6.64E-12	Intragenic	NM_053744	Dlk1
6	142820360	142820761	1	-0.21998	10	1.00E-06	0.00024	0.23351	0.45349	1.18E-05	TSS	NR_131064	RGD1566401
6	142820794	142820972	1	-0.124076	5	0.023	0.18	0.31767	0.44175	0.04441443	TSS	NR_131064	RGD1566401
6	142896843	142896888	0.00031	-0.186881	11	5.50E-12	9.50E-10	0.091893	0.27877	3.55E-10	TSS	NR_031785:NR_037363	Mir341:Mir1188
6	142896965	142896999	1	-0.070986	5	0.0029	0.015	0.19585	0.26684	0.008293503	TSS	NR_031785:NR_037363	Mir341:Mir1188
6	143309222	143309376	1	-0.12443	6	0.016	0.083	0.29746	0.42189	0.033288089	Intergenic	NA	NA
6	143384284	143384382	1	-0.078788	5	0.0053	0.0054	0.11261	0.1914	0.013591571	Intergenic	NA	NA
6	143455711	143455825	1	-0.162055	7	0.00083	0.038	0.29049	0.45255	0.002961434	Intergenic	NA	NA
6	144050426	144050763	1	0.267612	7	0.00099	0.0083	0.68821	0.42059	0.003433429	Intragenic	NM_001191112	Ppp2r5c
6	144192259	144192331	1	-0.097559	5	0.0087	0.024	0.20562	0.30317	0.020391633	Intergenic	NA	NA
6	144278460	144278607	1	-0.256072	6	6.30E-06	9.10E-05	0.31357	0.56964	5.33E-05	Intergenic	NA	NA
6	144295255	144295395	1	-0.174691	6	0.00016	0.0016	0.17698	0.35167	0.000769396	Intragenic	NM_130749	Mark3
6	144504872	144504935	1	-0.166013	6	0.0078	0.027	0.50799	0.67401	0.018765285	Intergenic	NA	NA
6	144521316	144521597	1	-0.062648	26	5.10E-06	0.0002	0.11597	0.17861	4.54E-05	Intragenic	NM_001137633	Tnfaip2
6	144657549	144657648	0.35	-0.191911	10	2.00E-05	1.10E-06	0.28927	0.48118	0.000138285	Intragenic	NM_053620	Cdc42bpb
6	144673014	144673141	1	-0.18238	5	0.00017	0.00014	0.15547	0.33785	0.000806192	Intergenic	NA	NA
6	144683187	144683465	0.31	-0.085421	32	5.40E-10	9.50E-07	0.13849	0.22391	1.93E-08	Intragenic	NM_001108061	Amn
6	144683701	144683746	1	-0.101749	5	9.80E-07	7.60E-06	0.028342	0.13009	1.16E-05	Intragenic	NM_001108061	Amn
6	144683808	144684510	1	-0.061682	58	0.00065	0.00052	0.12766	0.15566	0.002426546	Intragenic	NM_001108061	Amn
6	144684514	144684534	1	-0.123126	5	1.10E-06	7.60E-06	0.097561	0.22069	1.27E-05	Intragenic	NM_001108061	Amn

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	144841712	144841775	1	-0.11764	7	0.0012	0.0033	0.20315	0.32078	0.004013471	Intergenic	NA	NA
6	145002299	145002424	1	-0.25101	5	0.013	0.025	0.3986	0.64961	0.028097302	Intragenic	NM_001012112	Ankrd9
6	145356000	145356163	9.10E-08	-0.296986	9	1.60E-12	2.80E-13	0.028884	0.32587	1.17E-10	Intragenic	NM_001081973:N M_001081974:N M_001081972	Klc1:Klc1:Klc1
6	145366043	145366155	1	-0.170765	7	0.00054	0.00027	0.23184	0.4026	0.002077867	Intragenic	NM_001081973:N M_001081974:N M_001081972	Klc1:Klc1:Klc1
6	145480757	145480847	1	-0.144743	5	0.008	0.059	0.18839	0.33313	0.019059477	Intergenic	NA	NA
6	145524525	145524642	1	-0.14108	7	0.0001	0.00029	0.16611	0.30719	0.000521119	Intergenic	NA	NA
6	145756637	145756697	1	-0.162903	5	6.30E-06	7.10E-05	0.22534	0.38825	5.33E-05	Intragenic	NM_001170348	Kif26a
6	145759328	145759460	0.0011	-0.291675	8	2.30E-10	3.40E-09	0.23619	0.52787	9.34E-09	Intragenic	NM_001170348	Kif26a
6	145918203	145918363	1	-0.177559	7	0.00069	0.013	0.19692	0.37448	0.002570282	Intergenic	NA	NA
6	146054193	146054570	1	-0.120151	10	0.00022	0.0059	0.1545	0.27465	0.000994261	Intergenic	NA	NA
6	146342977	146343141	1	-0.109713	7	0.011	0.077	0.45925	0.56897	0.02463877	Intergenic	NA	NA
6	146365155	146365255	1	-0.203717	6	0.00026	0.0016	0.16724	0.37095	0.001130807	Intergenic	NA	NA
6	146720307	146720389	1	-0.119867	5	0.0008	0.0031	0.72179	0.84166	0.002866309	Intergenic	NA	NA
6	146777093	146777229	1	-0.242077	8	6.80E-07	3.00E-05	0.21556	0.45764	8.62E-06	Intragenic	NM_001106761	Brf1
6	150005850	150005878	1	0.077565	5	0.0094	0.038	0.2334	0.15584	0.021723038	Intergenic	NA	NA
6	152450905	152450947	1	-0.108617	5	0.00059	0.015	0.76744	0.87606	0.002242971	Intergenic	NA	NA
6	152603239	152603281	1	-0.092936	5	0.0016	0.0093	0.78312	0.87606	0.005100053	Intergenic	NA	NA
6	153259306	153259416	1	-0.141323	5	0.0024	0.025	0.50055	0.64187	0.00705499	Intergenic	NA	NA
6	153361684	153361865	1	-0.168744	5	0.0041	0.13	0.42465	0.5934	0.01100507	Intragenic	NM_031600	Ptprn2
7	18266	18307	1	-0.125272	5	0.0016	0.0092	0.26145	0.38672	0.005100053	Intergenic	NA	NA
7	19024	19194	1	-0.06625	14	1.10E-07	0.00065	0.10965	0.1759	1.86E-06	Intergenic	NA	NA
7	19970	20097	1	-0.140916	10	0.0063	0.0041	0.48133	0.62225	0.015629046	Intergenic	NA	NA
7	720267	720306	1	-0.144109	5	0.002	0.024	0.67952	0.82363	0.006079939	Intergenic	NA	NA
7	736946	737164	1	-0.074521	5	0.0013	0.00013	0.12746	0.20198	0.004277683	Intergenic	NA	NA
7	855171	855235	1	-0.091432	5	0.00019	0.00028	0.04944	0.14087	0.000879857	Intergenic	NA	NA
7	939713	939782	1	-0.129592	5	0.012	0.024	0.5569	0.68649	0.026435197	Intergenic	NA	NA
7	1609945	1609983	1	-0.062532	5	0.0012	0.038	0.1677	0.23023	0.004013471	Intergenic	NA	NA
7	1609987	1610020	1	-0.092642	5	0.00065	0.0055	0.16033	0.25297	0.002426546	Intergenic	NA	NA
7	1610110	1610145	1	-0.065987	5	0.0024	0.0018	0.047053	0.11304	0.00705499	Intergenic	NA	NA
7	1610800	1610851	1	-0.073621	5	5.60E-07	1.60E-05	0.078464	0.15208	7.29E-06	Intergenic	NA	NA
7	1610885	1610924	1	-0.088357	5	1.30E-06	3.50E-05	0.080223	0.16858	1.46E-05	Intergenic	NA	NA
7	1611802	1611913	1	-0.086247	5	0.00039	0.0091	0.13034	0.21658	0.001587612	Intergenic	NA	NA
7	1659689	1660236	1	-0.08748	5	0.021	0.038	0.034549	0.12203	0.041207871	Intergenic	NA	NA
7	1662247	1662290	1	-0.057209	5	9.80E-05	0.0005	0.035508	0.092717	0.000512474	Intergenic	NA	NA
7	2877154	2877390	1	-0.132721	10	2.70E-05	0.0011	0.1488	0.28152	0.000178372	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	2878349	2878405	1	-0.12648	5	0.00036	0.0017	0.64899	0.77547	0.001486639	Intergenic	NA	NA
7	3047481	3047710	0.21	0.058947	20	4.00E-14	6.50E-07	0.067815	0.0088688	6.64E-12	Intergenic	NA	NA
7	3290961	3291094	1	-0.168871	5	0.0019	0.037	0.11342	0.28229	0.005855937	Intergenic	NA	NA
7	4523943	4524003	1	-0.068752	5	0.0014	0.0018	0.75501	0.82376	0.004540837	Intergenic	NA	NA
7	4687242	4687321	1	-0.261508	5	0.019	0.037	0.23422	0.49573	0.038322088	Intergenic	NA	NA
7	6735903	6735950	1	-0.121353	5	0.0008	0.0054	0.24838	0.36974	0.002866309	Intergenic	NA	NA
7	9421578	9421669	0.49	-0.306542	5	2.40E-07	1.50E-06	0.27261	0.57915	3.57E-06	Intergenic	NA	NA
7	11158548	11158570	1	-0.144542	5	0.011	0.039	0.34027	0.48481	0.02463877	Intragenic	NM_001039013	Tle2
7	11182240	11182353	1	-0.225965	6	5.20E-06	8.80E-05	0.10434	0.33031	4.61E-05	Intragenic	NM_019220	Aes
7	11186148	11186268	1	-0.127159	5	0.00032	0.0055	0.1022	0.22936	0.001346443	TSS	NM_019220	Aes
7	11203592	11203666	1	-0.190178	5	1.00E-05	3.30E-05	0.12066	0.31084	7.82E-05	Intragenic	NM_031033	Gna11
7	11222279	11222379	1	-0.094247	7	0.0017	0.0022	0.34765	0.4419	0.005339493	TSS	NM_053542	Gna15
7	11241801	11241811	1	-0.093341	5	0.0008	0.0018	0.12069	0.21403	0.002866309	Intragenic	NM_053542	Gna15
7	11273160	11273209	1	-0.054235	5	0.0032	0.024	0.055382	0.10962	0.008990975	Intragenic	NM_001135603	Celf5
7	11286682	11286748	1	-0.147285	5	0.016	0.038	0.45838	0.60566	0.033288089	Intragenic	NM_001135603	Celf5
7	11293077	11293148	1	-0.093169	5	0.0049	0.087	0.13448	0.22765	0.012753585	Intergenic	NA	NA
7	11325470	11325494	1	-0.163584	5	0.00015	0.00026	0.29264	0.45623	0.000724207	Intragenic	NM_031567	Nfic
7	11331722	11331874	1	-0.073387	8	0.00018	0.0016	0.028154	0.10154	0.000849258	Intragenic	NM_031567	Nfic
7	11333902	11333979	0.49	-0.07884	5	2.10E-07	1.50E-06	0.0046402	0.08348	3.19E-06	Intragenic	NM_031567	Nfic
7	11348092	11348213	1	-0.208329	7	5.60E-05	0.00017	0.22799	0.43632	0.000320912	Intergenic	NA	NA
7	11383826	11384007	0.0024	-0.234895	15	5.00E-10	7.30E-09	0.18982	0.42471	1.82E-08	TSS	NM_001109605	LOC690617
7	11392898	11393040	1	-0.16366	7	0.00054	0.0083	0.42348	0.58714	0.002077867	Intergenic	NA	NA
7	11407100	11407154	0.67	-0.238801	7	1.50E-06	2.10E-06	0.51615	0.75495	1.65E-05	TSS	NM_001108731	Hmg20b
7	11414563	11414639	1	-0.199269	5	0.00019	0.0032	0.20033	0.3996	0.000879857	TSS	NM_001109282	Gipc3
7	11421546	11421773	1	-0.105703	23	0.00012	0.0058	0.42872	0.55609	0.000603617	Intragenic	NM_017054	Tbxa2r
7	11421826	11421862	1	-0.27642	5	8.80E-05	0.00053	0.15084	0.42726	0.000466886	Intragenic	NM_017054	Tbxa2r
7	11421979	11421998	1	-0.151496	5	0.00015	0.00097	0.21117	0.36266	0.000724207	Intragenic	NM_017054	Tbxa2r
7	11422030	11422092	0.077	-0.207581	8	2.90E-09	2.40E-07	0.088524	0.2961	8.18E-08	Intragenic	NM_017054	Tbxa2r
7	11463733	11463843	1	-0.101449	5	0.0024	0.0055	0.099345	0.20079	0.00705499	Intergenic	NA	NA
7	11477394	11477462	1	-0.164956	5	0.00029	0.00053	0.42762	0.59257	0.001239307	Intragenic	NM_001108073	Tjp3
7	11502205	11502310	1	-0.091763	5	0.0027	0.059	0.060775	0.15254	0.007840962	Intergenic	NA	NA
7	11562342	11562381	1	-0.350641	5	4.20E-07	1.60E-05	0.26175	0.61239	5.76E-06	Intragenic	NM_022546	Dapk3
7	11749085	11749227	1	-0.065167	5	0.014	0.039	0.064498	0.12966	0.029850603	TSS	NM_024138	Gng7
7	11765317	11765419	1	-0.2366	5	7.10E-06	7.10E-05	0.083813	0.32041	5.86E-05	Intragenic	NM_024138	Gng7
7	11771399	11771510	1	-0.134643	5	0.00044	0.00028	0.067457	0.2021	0.001760146	Intragenic	NM_024138	Gng7
7	11772387	11772565	1	-0.086125	10	0.0014	0.008	0.20042	0.28655	0.004540837	Intragenic	NM_024138	Gng7
7	11813354	11813594	1	-0.144503	6	0.00072	0.0016	0.095262	0.23976	0.002634665	TSS	NM_001008321	Gadd45b
7	11858915	11858954	1	-0.157942	5	8.80E-05	0.0055	0.26575	0.42369	0.000466886	Intragenic	NM_001047100	Tmprss9
7	11910795	11910966	1	-0.111205	8	0.024	0.16	0.24656	0.35777	0.046241462	Intragenic	NM_001109609	Lingo3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	11913215	11913429	1	-0.076234	15	0.0082	0.16	0.23467	0.3109	0.019516617	Intragenic	NM_001109609	Lingo3
7	11913880	11913957	1	-0.139505	11	1.10E-05	0.0014	0.41776	0.55727	8.53E-05	Intragenic	NM_001109609	Lingo3
7	11920722	11920843	1	-0.107765	5	0.00048	0.0055	0.096519	0.20428	0.001881331	TSS	NM_001297557:N M_001301048:N M_139081	Oaz1:Oaz1:Oaz1
7	11940062	11940561	0.39	-0.162165	27	6.90E-10	1.20E-06	0.19408	0.35624	2.39E-08	Intragenic	NM_001109591	Jsrp1
7	12006804	12006976	0.016	-0.181538	8	2.50E-10	4.90E-08	0.081834	0.26337	1.00E-08	TSS	NM_001100719	Ap3d1
7	12109047	12109084	1	-0.316045	5	5.00E-05	0.00052	0.34166	0.65771	0.000291675	Intergenic	NA	NA
7	12115118	12115188	1	-0.180934	5	0.0016	0.0092	0.17955	0.36048	0.005100053	Intragenic	NM_001033870:N M_023102	Csnk1g2:Csnk1g2
7	12163296	12163349	1	-0.163901	5	0.008	0.025	0.50004	0.66394	0.019059477	Intragenic	NM_001006983	Abhd17a
7	12163475	12163575	1	-0.176879	12	5.70E-05	0.00031	0.51383	0.69071	0.000326487	Intragenic	NM_001006983	Abhd17a
7	12163595	12163717	1	-0.135857	5	0.0058	0.0055	0.28034	0.4162	0.014624129	Intragenic	NM_001006983	Abhd17a
7	12286680	12286793	1	-0.100155	5	0.0029	0.015	0.17652	0.27667	0.008293503	Intergenic	NA	NA
7	12405872	12405948	1	-0.098983	6	0.0015	0.04	0.12644	0.22543	0.004849475	Intergenic	NA	NA
7	12434084	12434213	7.40E-07	-0.404065	13	4.70E-14	2.30E-12	0.27425	0.67831	6.64E-12	Intragenic	NM_001106769	Apc2
7	12443973	12444170	1	-0.201402	5	0.00029	0.0092	0.13364	0.33505	0.001239307	TSS	NM_001106769	Apc2
7	12452004	12452071	1	-0.134112	5	0.0019	0.0091	0.11905	0.25317	0.005855937	TSS	NM_017151	Rps15
7	12458949	12459060	1	-0.185162	5	1.90E-05	0.00014	0.076286	0.26145	0.000131674	Intergenic	NA	NA
7	12462883	12463224	0.56	-0.205942	11	6.60E-10	1.70E-06	0.11697	0.32291	2.31E-08	Intragenic	NM_001025742	Dazap1
7	12468379	12468530	1	-0.151018	5	0.012	0.087	0.27157	0.42259	0.026435197	Intragenic	NM_001025742	Dazap1
7	12474329	12474833	1	-0.142133	5	0.0016	0.015	0.063791	0.20592	0.005100053	Intragenic	NM_001025742	Dazap1
7	12570817	12570913	1	-0.139099	5	9.80E-05	0.0055	0.14841	0.28751	0.000512474	TSS	NM_001109283	RGD1562114
7	12570926	12571138	1	-0.056002	18	0.011	0.0005	0.19483	0.25083	0.02463877	TSS	NM_001109283	RGD1562114
7	12686509	12686579	1	-0.234564	5	1.30E-05	3.40E-05	0.34503	0.57959	9.66E-05	Intragenic	NM_001039849:N M_017165	Gpx4:Gpx4
7	12741544	12741639	1	-0.189187	5	2.40E-05	0.00052	0.089525	0.27871	0.000160049	Intragenic	NM_001108067	Hmha1
7	12804243	12804519	1	-0.06219	13	3.30E-06	9.10E-05	0.044463	0.10665	3.16E-05	TSS	NM_001077642	Cfd
7	12830791	12831046	1	-0.135449	12	0.00027	0.0035	0.17236	0.30781	0.001172178	Intragenic	NM_001108067:N M_181634	Hmha1:Plppr3
7	12832289	12832455	1	-0.140007	8	0.00019	0.0039	0.15403	0.29404	0.000879857	Intragenic	NM_001108067:N M_181634	Hmha1:Plppr3
7	12835745	12835943	1	-0.146684	7	0.00051	0.0054	0.27014	0.41682	0.00199501	Intragenic	NM_001108067:N M_001271057:N M_022516	Hmha1:Ptbp1:Ptbp1
7	12866173	12866404	1	-0.148503	5	0.0011	0.0054	0.072803	0.22131	0.003737263	Intragenic	NM_001108067	Hmha1
7	12875999	12876155	0.004	-0.243875	6	7.80E-09	1.20E-08	0.10697	0.35084	2.01E-07	TSS	NM_001109284	Misp
7	12881741	12881793	1	-0.201302	5	4.80E-06	7.00E-05	0.28599	0.48729	4.29E-05	Intragenic	NM_001108067:N M_130829	Hmha1:Palms

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	12953589	12953733	1	-0.090161	7	0.0002	0.00017	0.10221	0.19237	0.00092049	Intragenic	NM_130829	Palm
7	12962277	12962785	1	-0.129054	5	0.013	0.18	0.075347	0.2044	0.028097302	TSS	NM_130829	Palm
7	12963104	12963189	1	-0.107042	5	0.0068	0.18	0.090112	0.19715	0.016642688	TSS	NM_130829	Palm
7	13008159	13008290	0.48	-0.131931	6	2.80E-07	1.50E-06	0.03336	0.16529	4.09E-06	Intergenic	NA	NA
7	13021808	13021860	1	-0.221391	5	0.00023	0.0017	0.40093	0.62232	0.00102405	Intergenic	NA	NA
7	13021865	13021879	1	-0.318128	5	4.90E-07	1.60E-05	0.2854	0.60353	6.54E-06	Intergenic	NA	NA
7	13021913	13021929	1	-0.141744	5	0.0032	0.015	0.1645	0.30624	0.008990975	Intergenic	NA	NA
7	13021930	13021966	1	-0.191674	5	4.20E-07	1.60E-05	0.28513	0.47681	5.76E-06	Intragenic	NM_053684	Hcn2
7	13021982	13022089	1	-0.099185	9	0.0026	0.046	0.21041	0.30959	0.007616821	Intragenic	NM_053684	Hcn2
7	13022092	13022275	4.30E-08	-0.203814	28	4.20E-14	1.30E-13	0.16149	0.3653	6.64E-12	Intragenic	NM_053684	Hcn2
7	13032320	13032463	1	-0.050032	13	0.016	0.0063	0.87184	0.92188	0.033288089	Intragenic	NM_053684	Hcn2
7	13047642	13047708	0.037	-0.332242	5	1.10E-07	1.10E-07	0.16639	0.49863	1.86E-06	Intragenic	NM_001109882:NM_012783	Bsg:Bsg
7	13143918	13144813	0.0016	-0.16585	32	5.70E-14	5.00E-09	0.20301	0.36886	7.06E-12	TSS	NM_001109285	C2cd4c
7	13168306	13168428	1	-0.197986	5	0.00044	0.0031	0.16638	0.36437	0.001760146	Intergenic	NA	NA
7	13217498	13217601	1	-0.288184	5	0.00044	0.0089	0.41497	0.70316	0.001760146	Intragenic	NM_001108737	Mier2
7	14132854	14132884	1	-0.265067	5	5.60E-05	0.00026	0.51767	0.78274	0.000320912	Intergenic	NA	NA
7	14344684	14344745	1	-0.064954	5	0.015	0.088	0.072476	0.13743	0.031584896	TSS	NM_020087	Notch3
7	14363466	14363958	1	-0.088606	7	0.013	0.1	0.10513	0.19373	0.028097302	Intergenic	NA	NA
7	14559960	14560161	7.90E-06	-0.210422	12	5.20E-14	2.40E-11	0.065986	0.27641	6.72E-12	Intragenic	NM_001134562	Rasal3
7	14563730	14564672	1.30E-19	-0.135735	50	3.70E-14	4.00E-25	0.10526	0.241	6.64E-12	Intragenic	NM_001134562	Rasal3
7	14824109	14824194	1	-0.304761	9	1.60E-07	9.10E-06	0.27533	0.5801	2.51E-06	Intragenic	NM_173124	Cyp4f5
7	14923413	14923498	1	-0.304761	9	1.60E-07	9.10E-06	0.27533	0.5801	2.51E-06	Intragenic	NM_173124	Cyp4f5
7	15550645	15550683	1	-0.180774	5	1.90E-05	0.00051	0.42917	0.60994	0.000131674	Intergenic	NA	NA
7	16760872	16761142	1	-0.101975	5	0.025	0.088	0.59746	0.69943	0.047453009	Intergenic	NA	NA
7	16772316	16772393	1	-0.143307	5	0.0038	0.0017	0.29627	0.43958	0.010352437	Intergenic	NA	NA
7	18676137	18676240	1	-0.199986	5	2.40E-05	0.0032	0.14654	0.34653	0.000160049	TSS	NM_001009664	Zfp414
7	20997916	20998099	1	-0.113668	11	0.012	0.027	0.42174	0.53541	0.026435197	Intergenic	NA	NA
7	21253457	21253479	1	-0.054272	5	0.011	0.038	0.030446	0.084718	0.02463877	Intergenic	NA	NA
7	21367469	21367678	1	-0.09023	12	0.0038	0.11	0.2765	0.36673	0.010352437	Intergenic	NA	NA
7	22168886	22169017	1	-0.113797	5	0.0053	0.0093	0.58542	0.69922	0.013591571	Intergenic	NA	NA
7	22616064	22616100	1	-0.164107	5	0.0074	0.088	0.39394	0.55805	0.017853001	Intergenic	NA	NA
7	22617053	22617099	0.046	-0.051161	7	9.80E-10	1.40E-07	0.023467	0.074628	3.28E-08	Intergenic	NA	NA
7	22617105	22617138	1	-0.126001	5	7.10E-06	0.00014	0.079274	0.20528	5.86E-05	Intergenic	NA	NA
7	22728302	22728366	1	-0.091432	5	0.00019	0.00028	0.04944	0.14087	0.000879857	Intergenic	NA	NA
7	23700593	23700653	1	-0.194541	5	0.0041	0.038	0.38958	0.58412	0.01100507	Intragenic	NM_017109:NM_012886	Syn3:Timp3
7	23726346	23726572	1	-0.146367	6	3.70E-05	0.0027	0.066152	0.21252	0.000229545	Intragenic	NM_017109:NM_012886	Syn3:Timp3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	23729277	23729487	1	-0.240405	7	2.20E-07	9.40E-05	0.094878	0.33528	3.32E-06	Intragenic	NM_017109:NM_012886	Syn3:Timp3
7	25743623	25743833	1	-0.193375	7	0.00019	0.0021	0.20532	0.3987	0.000879857	Intergenic	NA	NA
7	26714147	26714327	1	-0.108159	10	3.70E-05	0.0019	0.17679	0.28495	0.000229545	Intragenic	NM_001108742	Slc41a2
7	26778157	26778302	1	-0.18389	5	0.0032	0.0054	0.24804	0.43193	0.008990975	Intragenic	NM_001108079	Chst11
7	26817349	26817407	1	-0.169341	5	0.0068	0.059	0.30868	0.47802	0.016642688	Intragenic	NM_001108079	Chst11
7	26984190	26984326	1	-0.238151	7	1.30E-07	1.60E-05	0.17954	0.4177	2.11E-06	Intergenic	NA	NA
7	27024204	27024281	1	-0.07827	5	0.012	0.087	0.83844	0.91671	0.026435197	Intergenic	NA	NA
7	27134110	27134359	1	-0.194182	9	0.0002	0.018	0.44877	0.64295	0.00092049	Intergenic	NA	NA
7	27146758	27146795	1	-0.169381	5	0.0019	0.0018	0.45819	0.62758	0.005855937	Intergenic	NA	NA
7	27164216	27164263	1	-0.200218	5	0.0053	0.015	0.50879	0.70901	0.013591571	Intergenic	NA	NA
7	27484083	27484165	1	-0.305581	5	5.00E-05	0.00014	0.38329	0.68887	0.000291675	Intergenic	NA	NA
7	27997871	27997959	1	-0.082632	7	0.023	0.056	0.58006	0.6627	0.04441443	Intergenic	NA	NA
7	29872019	29872079	1	-0.216075	5	0.00014	0.00098	0.5802	0.79627	0.000684451	Intragenic	NM_001106778	Ano4
7	30178629	30178745	1	-0.245825	5	0.00072	0.0018	0.16945	0.41527	0.002634665	Intragenic	NM_021745	Nr1h4
7	30205932	30205973	1	-0.111128	6	0.0032	0.018	0.092273	0.2034	0.008990975	Intragenic	NM_021745	Nr1h4
7	31359543	31359610	1	-0.1022	7	0.0051	0.037	0.46016	0.56236	0.013208341	Intragenic	NM_001271371	Anks1b
7	31551264	31551359	1	-0.104808	5	0.0074	0.025	0.66351	0.76832	0.017853001	Intragenic	NM_001271371	Anks1b
7	31963699	31963847	1	-0.124796	9	2.90E-05	0.004	0.19909	0.32389	0.000187968	Intergenic	NA	NA
7	34137032	34137127	1	-0.091213	5	0.00065	0.015	0.031615	0.12283	0.002426546	Intragenic	NM_001108082	Cdk17
7	34197327	34197378	1	-0.051145	5	0.0011	0.015	0.052068	0.10321	0.003737263	Intergenic	NA	NA
7	34392009	34392313	1	-0.131681	5	0.019	0.0055	0.30264	0.43432	0.038322088	TSS	NM_017159	Hal
7	34465567	34465688	1	-0.203174	5	7.80E-05	0.0018	0.087713	0.29089	0.000422981	Intragenic	NM_001191781	Amdhd1
7	34524672	34524773	1	-0.078772	5	0.0087	0.0055	0.74393	0.8227	0.020391633	Intergenic	NA	NA
7	34760898	34760997	1	-0.16595	5	0.011	0.18	0.30206	0.46801	0.02463877	Intergenic	NA	NA
7	34792506	34792550	1	-0.082368	5	8.10E-06	7.10E-05	0.024757	0.10712	6.58E-05	Intragenic	NM_001108083	Usp44
7	34805715	34805836	1	-0.130882	11	1.90E-06	0.0001	0.63108	0.76196	2.01E-05	Intragenic	NM_001108083	Usp44
7	35266744	35266819	0.97	-0.228798	8	6.80E-07	3.00E-06	0.21079	0.43959	8.62E-06	Intergenic	NA	NA
7	35584366	35584491	1	-0.243106	5	0.00029	0.0018	0.1602	0.40331	0.001239307	Intragenic	NM_001108084	Tmcc3
7	36026191	36026335	2.60E-06	-0.245602	10	1.20E-13	8.20E-12	0.031586	0.27719	1.24E-11	Intergenic	NA	NA
7	36498797	36499079	1	-0.148218	5	0.016	0.024	0.50781	0.65602	0.033288089	Intergenic	NA	NA
7	36700269	36700361	0.036	-0.206044	5	6.30E-08	1.10E-07	0.072064	0.27811	1.18E-06	Intragenic	NM_053598	Nudt4
7	36846734	36846830	1	-0.080886	5	0.0017	0.00028	0.14191	0.2228	0.005339493	Intergenic	NA	NA
7	36916939	36917105	1	-0.148312	7	1.40E-05	0.0013	0.16359	0.3119	0.000103723	Intergenic	NA	NA
7	38987675	38987785	1	-0.17177	5	0.023	0.038	0.44152	0.61329	0.04441443	TSS	NM_001025052	Ccer1
7	40170645	40171029	1	-0.26776	5	0.0011	0.024	0.3537	0.62146	0.003737263	Intergenic	NA	NA
7	41447809	41448122	1	-0.102865	8	0.005	0.0036	0.51307	0.61594	0.012977322	Intergenic	NA	NA
7	41463416	41463552	1	-0.143359	5	0.025	0.0018	0.14852	0.29188	0.047453009	Intergenic	NA	NA
7	41540342	41540393	1	-0.120295	5	7.80E-05	0.00053	0.10695	0.22724	0.000422981	Intergenic	NA	NA

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	43829646	43829741	1	-0.089968	5	0.025	0.057	0.16858	0.25854	0.047453009	TSS	NM_001135814	Mgat4c
7	46989483	46989656	1	-0.079076	8	0.0088	0.094	0.69864	0.77771	0.020605924	Intergenic	NA	NA
7	50650431	50650465	1	-0.084764	5	0.00017	0.015	0.050463	0.13523	0.000806192	TSS	NM_001033680	Syt1
7	56115032	56115117	1	-0.106234	5	0.0049	0.0091	0.65414	0.76037	0.012753585	Intergenic	NA	NA
7	56715215	56715508	1	-0.189483	5	0.0045	0.059	0.62853	0.81802	0.011905878	Intergenic	NA	NA
7	56715845	56716194	5.20E-06	-0.356044	21	4.20E-14	1.60E-11	0.46448	0.82052	6.64E-12	Intergenic	NA	NA
7	60302857	60302898	1	-0.148622	5	0.012	0.038	0.26377	0.41239	0.026435197	Intergenic	NA	NA
7	60302952	60303080	0.13	-0.268305	8	1.30E-09	4.10E-07	0.22582	0.49413	4.18E-08	Intergenic	NA	NA
7	61030414	61030594	1	-0.151875	5	0.013	0.037	0.28136	0.43324	0.028097302	Intergenic	NA	NA
7	61133545	61133619	1	-0.223749	5	0.00088	0.0091	0.41598	0.63973	0.003092094	Intergenic	NA	NA
7	61138274	61138359	0.21	-0.155822	5	3.70E-07	6.60E-07	0.15202	0.30784	5.21E-06	Intergenic	NA	NA
7	61863870	61863920	1	-0.11817	5	0.014	0.0055	0.11465	0.23282	0.029850603	Intergenic	NA	NA
7	62838898	62838988	1	-0.201972	5	0.017	0.18	0.29338	0.49535	0.034796287	Intergenic	NA	NA
7	63252848	63252889	1	-0.162924	5	0.00011	0.00049	0.18002	0.34295	0.000565143	Intragenic	NM_001134780	Parvb
7	63335831	63335951	1	-0.124386	7	0.023	0.04	0.54056	0.66495	0.04441443	Intergenic	NA	NA
7	63373409	63373551	1	-0.193628	5	1.70E-05	0.00014	0.10144	0.29507	0.000120524	Intergenic	NA	NA
7	63402416	63402559	1	-0.068148	5	0.019	0.059	0.082878	0.15103	0.038322088	Intergenic	NA	NA
7	65030019	65030088	1	-0.118735	5	0.0029	0.0055	0.49184	0.61058	0.008293503	Intragenic	NM_032069	Grip1
7	65262224	65262293	0.39	-0.27422	7	1.10E-08	1.20E-06	0.42647	0.70069	2.70E-07	Intergenic	NA	NA
7	65643799	65644147	1	-0.108068	15	0.0026	0.049	0.36484	0.47291	0.007616821	Intergenic	NA	NA
7	65667186	65667272	1	-0.185364	5	0.00019	0.0055	0.28484	0.47021	0.000879857	Intergenic	NA	NA
7	66692458	66692550	1	-0.135054	5	0.0017	0.0017	0.61566	0.75072	0.005339493	Intergenic	NA	NA
7	67073265	67073469	1	-0.154119	9	0.0013	0.046	0.1793	0.33342	0.004277683	Intragenic	NM_001271079	Ppm1h
7	67075308	67075461	1	-0.177605	7	0.0092	0.11	0.17972	0.35732	0.021504843	Intragenic	NM_001271079	Ppm1h
7	67093106	67093223	1	-0.147202	5	0.0045	0.039	0.48592	0.63312	0.011905878	Intragenic	NM_001271079	Ppm1h
7	68690438	68690523	1	-0.074104	10	0.0099	0.006	0.70504	0.77915	0.02275947	Intragenic	NM_017302	Slc16a7
7	69353823	69354044	1	-0.11301	5	0.0045	0.058	0.072165	0.18517	0.011905878	Intergenic	NA	NA
7	70039862	70039945	1	-0.16716	5	0.0012	0.0018	0.53637	0.70353	0.004013471	Intergenic	NA	NA
7	70065796	70065879	1	-0.16716	5	0.0012	0.0018	0.53637	0.70353	0.004013471	Intergenic	NA	NA
7	70132076	70132211	1	-0.182045	9	0.00011	0.00045	0.49637	0.67842	0.000565143	Intergenic	NA	NA
7	70542250	70542765	3.50E-11	-0.155525	32	4.00E-14	1.10E-16	0.078308	0.23383	6.64E-12	TSS	NM_023026	Agap2
7	70542917	70543542	4.70E-06	-0.142529	38	4.00E-14	1.40E-11	0.11374	0.25005	6.64E-12	TSS	NM_023026	Agap2
7	70544276	70544456	1	-0.187796	11	1.10E-07	7.70E-06	0.12592	0.31372	1.86E-06	TSS	NM_023026	Agap2
7	70544480	70544524	1	-0.116764	5	0.014	0.0055	0.16727	0.28403	0.029850603	TSS	NM_023026	Agap2
7	70544551	70544574	1	-0.10293	5	0.00032	0.00014	0.16783	0.27076	0.001346443	Intragenic	NM_023026	Agap2
7	70553666	70553858	1.50E-10	-0.166118	22	4.00E-14	4.60E-16	0.058792	0.22491	6.64E-12	Intragenic	NM_023026	Agap2
7	70634756	70634821	1	-0.225254	5	4.80E-06	0.00014	0.16714	0.3924	4.29E-05	Intragenic	NM_022860	B4galnt1
7	70635506	70635904	2.50E-06	-0.186724	27	4.60E-14	7.90E-12	0.136	0.32273	6.64E-12	Intragenic	NM_022860	B4galnt1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	70791383	70791911	1	-0.072008	30	7.30E-08	9.90E-05	0.094517	0.17778	1.35E-06	Intragenic	NM_001080789:NM_001012198	Arhgap9:Arhgap9
7	70799028	70799094	1	-0.198337	6	0.016	0.04	0.44393	0.64227	0.033288089	Intragenic	NM_001191910	Gli1
7	70815949	70816137	1	-0.074534	8	0.007	0.018	0.11739	0.19192	0.01709041	TSS	NM_031815	Inhbe
7	70897834	70897914	1	-0.149567	5	0.012	0.015	0.3136	0.46317	0.026435197	Intragenic	NM_001130557	R3hdm2
7	71022685	71022750	1	-0.307028	7	3.20E-05	0.0021	0.33599	0.64301	0.00020314	Intragenic	NM_001130490	Lrp1
7	71218587	71218791	1	-0.178463	7	0.00074	0.0083	0.26559	0.44405	0.002702912	Intragenic	NM_053302	Gpr182
7	71283158	71283214	8.00E-05	-0.377052	7	3.90E-10	2.50E-10	0.25658	0.63363	1.47E-08	Intergenic	NA	NA
7	71643782	71643925	2.30E-05	-0.215509	13	3.60E-13	7.00E-11	0.124	0.33951	3.13E-11	Intergenic	NA	NA
7	71786598	71786741	2.30E-05	-0.215509	13	3.60E-13	7.00E-11	0.124	0.33951	3.13E-11	Intragenic	NM_013082	Sdc2
7	73248262	73248318	0.0023	-0.356864	7	4.80E-10	7.00E-09	0.2323	0.58916	1.75E-08	Intergenic	NA	NA
7	73901696	73901857	1	-0.121303	5	7.80E-05	0.0031	0.63807	0.75937	0.000422981	Intragenic	NM_031735	Stk3
7	74055108	74055204	0.99	-0.311811	9	4.40E-09	3.10E-06	0.16329	0.4751	1.18E-07	TSS	NM_031735	Stk3
7	74217498	74217624	1	-0.117914	9	1.50E-06	0.0012	0.080192	0.19811	1.65E-05	Intragenic	NM_001012118	Osr2
7	74218433	74218561	1	-0.075887	8	0.0036	0.026	0.082459	0.15835	0.009945103	Intragenic	NM_001012118	Osr2
7	74495643	74495740	0.07	-0.081559	17	6.90E-14	2.20E-07	0.15275	0.23431	7.97E-12	Intragenic	NM_001134886	Vps13b
7	74788753	74788953	1	-0.094975	9	0.0069	0.074	0.76902	0.86399	0.01685311	Intragenic	NM_001134886	Vps13b
7	75136652	75137044	1	-0.128386	16	3.10E-09	1.40E-05	0.10064	0.22902	8.60E-08	TSS	NM_001282325	Polr2k
7	75433993	75434075	1	-0.178074	5	0.00032	0.0055	0.30334	0.48142	0.001346443	Intragenic	NM_001013948	Ankrd46
7	75922216	75922389	1	-0.153426	5	0.0035	0.015	0.10365	0.25707	0.009686665	Intergenic	NA	NA
7	76003522	76003579	1	-0.11538	6	0.018	0.058	0.42906	0.54444	0.036742993	Intergenic	NA	NA
7	76613061	76613210	1	-0.104261	5	0.0063	0.088	0.13818	0.24245	0.015629046	Intergenic	NA	NA
7	77336007	77336340	1	-0.170843	8	0.005	0.068	0.4467	0.61754	0.012977322	Intergenic	NA	NA
7	78666157	78666506	1	-0.075386	14	0.0017	0.011	0.14691	0.2223	0.005339493	Intergenic	NA	NA
7	78857221	78857316	1	-0.196071	5	0.0045	0.038	0.27631	0.47238	0.011905878	Intragenic	NM_031705	Dpys
7	86236742	86237065	1	-0.101407	12	0.013	0.017	0.57902	0.68043	0.028097302	Intergenic	NA	NA
7	86582143	86582187	1	-0.062943	7	0.021	0.074	0.8535	0.91644	0.041207871	Intergenic	NA	NA
7	91797397	91797489	1	-0.157327	5	7.80E-05	0.0018	0.40944	0.56677	0.000422981	Intragenic	NM_001044245	Asap1
7	91798024	91798125	1	-0.146394	5	0.00065	0.038	0.467	0.61339	0.002426546	Intragenic	NM_001044245	Asap1
7	100070676	100070978	1	-0.167345	9	0.0023	0.0088	0.35848	0.52582	0.00686004	Intergenic	NA	NA
7	100111476	100111559	1	-0.164273	5	0.00088	0.024	0.50534	0.66961	0.003092094	Intergenic	NA	NA
7	100113010	100113070	1	-0.086733	5	1.10E-06	3.40E-05	0.010023	0.096756	1.27E-05	Intergenic	NA	NA
7	100114021	100114155	0.73	-0.307303	7	8.40E-08	2.30E-06	0.46288	0.77018	1.52E-06	Intergenic	NA	NA
7	100114802	100114845	1	-0.126609	5	0.00065	0.00099	0.68902	0.81563	0.002426546	Intergenic	NA	NA
7	100114897	100115050	1	-0.06319	16	8.20E-05	8.00E-05	0.44909	0.47316	0.000442277	Intergenic	NA	NA
7	100524461	100524625	1	-0.18846	5	0.008	0.015	0.33342	0.52188	0.019059477	Intergenic	NA	NA
7	100544759	100544872	0.036	-0.27237	5	6.30E-08	1.10E-07	0.044014	0.31638	1.18E-06	Intergenic	NA	NA
7	100551787	100551993	1	-0.104771	8	0.024	0.093	0.094362	0.19913	0.046241462	Intergenic	NA	NA
7	100567426	100567640	1	-0.105794	8	1.40E-06	8.90E-05	0.035547	0.14134	1.57E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	103194310	103194445	1	-0.182229	9	0.00011	0.00045	0.49613	0.67836	0.000565143	Intergenic	NA	NA
7	105050500	105050633	1	-0.109814	5	0.025	0.058	0.492	0.60182	0.047453009	Intergenic	NA	NA
7	105755742	105756060	1	-0.122307	11	0.00042	7.90E-05	0.51348	0.63579	0.001700519	Intergenic	NA	NA
7	109966986	109967049	1	-0.279622	5	0.00014	0.0018	0.35813	0.63776	0.000684451	TSS	NM_022249	Khdrbs3
7	112872496	112872593	1	-0.061282	9	2.40E-05	0.00033	0.038028	0.099311	0.000160049	Intergenic	NA	NA
7	114146497	114146595	1	-0.187032	5	0.008	0.00052	0.17929	0.36632	0.019059477	Intragenic	NM_001034156	Trappc9
7	114146604	114146811	4.00E-08	-0.095782	15	1.80E-13	1.20E-13	0.38399	0.47978	1.73E-11	Intragenic	NM_001034156	Trappc9
7	114790773	114790934	1	-0.151803	5	0.0053	0.0055	0.14071	0.29251	0.013591571	Intergenic	NA	NA
7	115140731	115140815	1	-0.140227	5	0.0038	0.0091	0.19736	0.33759	0.010352437	Intergenic	NA	NA
7	115301781	115302114	1	-0.116968	5	0.0068	0.0053	0.27384	0.3908	0.016642688	Intergenic	NA	NA
7	115317759	115317805	1	-0.126823	5	4.40E-05	0.00098	0.13191	0.25873	0.000263321	Intergenic	NA	NA
7	115733692	115733863	1	-0.084239	15	0.0077	0.097	0.54661	0.63085	0.018546983	Intragenic	NM_001170597	Bai1
7	116389418	116389473	1	-0.160209	5	0.00036	0.0092	0.62949	0.7897	0.001486639	Intragenic	NM_001113792	RGD1565410
7	116809491	116809643	1	-0.067927	11	0.014	0.057	0.73841	0.80634	0.029850603	Intergenic	NA	NA
7	116818104	116818356	1	-0.054103	19	5.00E-05	0.0061	0.044962	0.099065	0.000291675	TSS	NM_207609	Naprt
7	117250915	117251263	1	-0.129533	16	0.00011	0.0088	0.2409	0.37043	0.000565143	TSS	NM_022401:NM_001164302	Plec:Plec
7	117277709	117277764	1	-0.165111	5	0.0027	0.039	0.27533	0.44044	0.007840962	Intergenic	NA	NA
7	117292781	117292847	1	-0.241687	8	8.80E-06	0.00066	0.49345	0.73514	7.12E-05	Intragenic	NM_153308	Grina
7	117308455	117308542	0.089	-0.167776	5	1.30E-07	2.70E-07	0.059644	0.22742	2.11E-06	Intergenic	NA	NA
7	117506753	117507057	0.097	-0.090311	37	5.50E-13	3.00E-07	0.12111	0.21142	4.47E-11	TSS	NM_001130508	Scx
7	117512967	117513121	1	-0.171202	7	0.0087	0.055	0.30024	0.47144	0.020391633	Intragenic	NM_001024250	Bop1
7	117569053	117569088	1	-0.12492	5	0.0024	0.0055	0.3189	0.44382	0.00705499	Intergenic	NA	NA
7	117571504	117571531	1	-0.052107	5	0.0022	0.025	0.019037	0.071145	0.006578104	Intragenic	NM_001130570	Scrt1
7	117717541	117717670	1	-0.190773	11	3.00E-09	3.30E-05	0.12294	0.31372	8.36E-08	Intragenic	NM_198752	Kifc2
7	117744764	117744809	1	-0.210746	5	0.00088	0.0092	0.38789	0.59864	0.003092094	Intragenic	NM_001130566	Ppp1r16a
7	117770884	117770949	1	-0.169386	5	0.0019	0.0055	0.29963	0.46901	0.005855937	Intragenic	NM_001135896	Lrrc24
7	117774941	117774967	1	-0.05588	5	2.80E-05	7.00E-05	0.0091006	0.064981	0.000182174	TSS	NM_001135896:NM_001007751	Lrrc24:MGC94207
7	117777529	117777711	1	-0.10626	14	1.80E-05	0.0017	0.19497	0.30123	0.000127015	TSS	NM_001007751	MGC94207
7	117948692	117948867	1	-0.241559	5	2.40E-05	0.00052	0.11455	0.35611	0.000160049	TSS	NM_139108	Commd5
7	118424770	118424839	1	-0.113757	5	5.00E-05	0.00053	0.027384	0.14114	0.000291675	Intergenic	NA	NA
7	118496097	118496272	1	-0.241559	5	2.40E-05	0.00052	0.11455	0.35611	0.000160049	TSS	NM_139108	Commd5
7	118676823	118676927	1	-0.187666	6	0.0021	0.038	0.32034	0.50801	0.006364615	Intergenic	NA	NA
7	119132615	119132709	1	-0.21379	5	1.20E-05	3.40E-05	0.12119	0.33498	9.15E-05	Intergenic	NA	NA
7	119179868	119180128	1	-0.084918	18	2.40E-06	0.0012	0.086932	0.17185	2.45E-05	TSS	NM_001191787	Foxred2
7	119222922	119222952	1	-0.083839	5	0.00029	0.0018	0.066908	0.15075	0.001239307	Intragenic	NM_053351	Cacng2
7	119613155	119613276	1	-0.132058	5	0.0014	0.0092	0.22092	0.35298	0.004540837	TSS	NM_012808	Tst
7	119613350	119613463	1	-0.08576	8	8.30E-07	5.10E-05	0.07015	0.15591	1.02E-05	TSS	NM_012808	Tst

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	119617861	119617938	0.076	-0.380999	8	1.80E-09	2.40E-07	0.1544	0.5354	5.50E-08	TSS	NM_138843	Mpst
7	119892051	119892101	1	-0.178193	5	0.016	0.088	0.25249	0.43068	0.033288089	Intergenic	NA	NA
7	119928281	119928428	1	-0.172181	7	0.0012	0.0013	0.20037	0.37255	0.004013471	Intergenic	NA	NA
7	120015088	120015146	1	-0.286504	5	3.30E-06	0.00014	0.20903	0.49553	3.16E-05	Intragenic	NM_001130554	Card10
7	120017693	120017811	1	-0.140217	5	0.00088	0.015	0.21003	0.35024	0.003092094	TSS	NM_001130554	Card10
7	120173006	120173123	1	-0.154214	5	0.0032	0.0092	0.356	0.51021	0.008990975	Intragenic	NM_001013220	Triobp
7	120203779	120203936	1	-0.134489	7	2.50E-05	0.00049	0.16731	0.3018	0.000166164	Intragenic	NM_001013220	Triobp
7	120497089	120497117	1	-0.073563	5	0.0094	0.13	0.27413	0.3477	0.021723038	Intragenic	NM_001271220	Baiap2l2
7	120917027	120917083	1	-0.105104	5	0.02	0.18	0.39444	0.49954	0.039778219	Intragenic	NM_001199315	Gtpbp1
7	121086399	121086557	1	-0.14693	10	1.60E-07	1.50E-05	0.11973	0.26666	2.51E-06	Intergenic	NA	NA
7	121218282	121218375	1	-0.10323	5	0.008	0.059	0.17853	0.28176	0.019059477	Intragenic	NM_031524	Pdgfb
7	121402971	121403128	1	-0.190125	5	0.00059	0.015	0.13278	0.3229	0.002242971	Intragenic	NM_019239	Mgat3
7	121499161	121499291	1	-0.071137	8	0.0015	0.036	0.088505	0.15964	0.004849475	Intergenic	NA	NA
7	121507445	121507525	0.49	-0.252538	5	3.70E-07	1.50E-06	0.11508	0.36762	5.21E-06	TSS	NM_020084	Cacna1i
7	121552749	121552950	0.65	-0.142985	7	8.80E-07	2.00E-06	0.037519	0.1805	1.06E-05	Intragenic	NM_020084	Cacna1i
7	121579882	121579981	1	-0.109719	5	0.00036	0.0055	0.093107	0.20283	0.001486639	Intragenic	NM_020084	Cacna1i
7	121580033	121580115	1	-0.189653	5	1.50E-06	3.40E-06	0.17923	0.36889	1.65E-05	Intragenic	NM_020084	Cacna1i
7	121782371	121782415	1	-0.197525	5	0.00017	0.00098	0.54774	0.74527	0.000806192	TSS	NM_001034944	Grap2
7	122151974	122152006	1	-0.225239	5	1.30E-05	7.10E-05	0.27658	0.50182	9.66E-05	TSS	NM_001008373	Srek1ip1
7	122426843	122427181	1	-0.204902	6	0.0078	0.027	0.10218	0.30709	0.018765285	Intergenic	NA	NA
7	122899702	122899829	1	-0.135668	9	0.00034	0.0027	0.12983	0.2655	0.001424609	Intergenic	NA	NA
7	123130916	123131013	1	-0.192312	5	0.0017	0.00053	0.46714	0.65945	0.005339493	TSS	NM_001127295	Polr3h
7	123135258	123135321	1	-0.175715	5	0.00044	0.0092	0.3717	0.54742	0.001760146	Intergenic	NA	NA
7	123424103	123424133	1	-0.060239	5	0.019	0.13	0.10991	0.17015	0.038322088	Intragenic	NM_001207022	Shisa8
7	123424251	123424295	1	-0.057778	6	0.0065	0.04	0.12056	0.17834	0.016085358	Intragenic	NM_001207022	Shisa8
7	123439787	123439869	1	-0.108889	5	0.00072	0.0055	0.11745	0.22634	0.002634665	Intergenic	NA	NA
7	123516398	123516479	1	-0.083263	8	8.80E-05	0.0034	0.13085	0.21411	0.000466886	Intergenic	NA	NA
7	123524208	123524468	1	-0.068463	6	6.90E-05	0.0003	0.83713	0.90559	0.000385124	Intergenic	NA	NA
7	123753256	123753484	1	-0.061293	13	0.00012	0.00077	0.069524	0.13082	0.000603617	TSS	NM_001130574	Tcf20
7	123759219	123759325	0.0073	-0.178378	12	2.80E-09	2.30E-08	0.21137	0.38975	8.07E-08	Intergenic	NA	NA
7	123822623	123822882	1	-0.101246	7	0.012	0.027	0.23632	0.33756	0.026435197	Intergenic	NA	NA
7	123878199	123878264	0.46	-0.269034	5	4.90E-07	1.40E-06	0.22446	0.49349	6.54E-06	Intergenic	NA	NA
7	124552308	124552378	1	-0.131877	5	0.021	0.039	0.25138	0.38325	0.041207871	Intragenic	NM_001134884	Scube1
7	124656636	124656699	1	-0.131137	5	5.50E-06	0.00014	0.021925	0.15306	4.78E-05	Intergenic	NA	NA
7	124670332	124670403	1	-0.079802	5	0.0063	0.039	0.17567	0.25547	0.015629046	TSS	NM_001130569	Mpped1
7	124838675	124838913	1	-0.188009	10	3.70E-05	0.005	0.155	0.34301	0.000229545	Intergenic	NA	NA
7	124978557	124978702	1	-0.149065	5	8.80E-05	0.00053	0.17627	0.32534	0.000466886	Intragenic	NM_001130497	Pnpla5
7	125306716	125306834	1	-0.2513	5	4.20E-07	7.00E-05	0.041766	0.29307	5.76E-06	Intergenic	NA	NA
7	125466679	125467054	1	-0.129446	11	4.60E-06	0.0017	0.081125	0.21057	4.18E-05	Intragenic	NM_001004242	Arhgap8

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	125746267	125746397	1	-0.070501	5	0.0038	0.088	0.11834	0.18885	0.010352437	Intragenic	NM_001013949	Ribc2
7	125933638	125933701	1	-0.139667	5	0.0094	0.038	0.51639	0.65605	0.021723038	Intergenic	NA	NA
7	126124753	126124899	1	-0.122093	8	0.011	0.087	0.33845	0.46054	0.02463877	Intergenic	NA	NA
7	126137671	126137801	1	-0.124027	6	4.30E-06	9.10E-05	0.092479	0.21651	3.93E-05	Intragenic	NM_001009695	Wnt7b
7	126174180	126174254	1	-0.050024	8	9.90E-05	0.00066	0.047977	0.098001	0.000516804	Intragenic	NM_001009695	Wnt7b
7	126208342	126208533	0.59	-0.071497	9	5.30E-08	1.80E-06	0.031273	0.10277	1.08E-06	Intergenic	NA	NA
7	126255601	126255848	2.90E-12	-0.05015	31	4.60E-14	9.10E-18	0.013067	0.063217	6.64E-12	Intergenic	NA	NA
7	126257217	126257367	0.017	-0.3455	8	3.00E-10	5.30E-08	0.20701	0.55251	1.19E-08	Intergenic	NA	NA
7	126273069	126273126	0.47	-0.237759	5	2.50E-06	1.50E-06	0.086845	0.3246	2.52E-05	Intergenic	NA	NA
7	126277798	126277998	1	-0.162329	10	0.00027	0.016	0.27668	0.43901	0.001172178	Intergenic	NA	NA
7	126338314	126338832	1	-0.187202	5	0.013	0.038	0.06911	0.25631	0.028097302	Intragenic	NM_013196	Ppara
7	126567928	126567987	1	-0.239173	5	0.00017	0.00027	0.29035	0.52952	0.000806192	Intergenic	NA	NA
7	126600397	126600490	1	-0.197377	5	1.30E-05	0.00052	0.096761	0.29414	9.66E-05	Intergenic	NA	NA
7	126665955	126666227	1	-0.183217	5	1.00E-05	7.40E-06	0.060032	0.24325	7.82E-05	Intergenic	NA	NA
7	126721888	126721967	1	-0.204796	7	0.00088	0.019	0.32896	0.53376	0.003092094	Intergenic	NA	NA
7	126886682	126886786	1	-0.216703	5	0.0008	0.0055	0.32994	0.54664	0.002866309	Intergenic	NA	NA
7	127209827	127209934	1	-0.056134	5	0.0011	0.0055	0.097657	0.15379	0.003737263	Intergenic	NA	NA
7	127423919	127424037	1	-0.311786	5	1.90E-06	7.00E-05	0.234	0.54578	2.01E-05	Intergenic	NA	NA
7	128530268	128530420	1	-0.135887	7	1.50E-05	0.0013	0.086479	0.22237	0.000109113	Intergenic	NA	NA
7	128703791	128703954	1	-0.059672	7	0.012	0.055	0.087373	0.14704	0.026435197	Intergenic	NA	NA
7	129172016	129172139	1	-0.153658	7	0.0013	0.01	0.36877	0.52243	0.004277683	Intergenic	NA	NA
7	129532686	129532964	1	-0.148663	5	0.023	0.18	0.21743	0.36609	0.04441443	Intergenic	NA	NA
7	129546532	129546643	0.4	-0.185229	7	1.00E-07	1.20E-06	0.095324	0.28055	1.72E-06	TSS	NM_022602	Pim3
7	129736445	129736509	1	-0.175145	5	2.20E-05	6.90E-05	0.69918	0.87433	0.000149617	Intragenic	NM_199409	Panx2
7	129826940	129827405	1	-0.161237	17	9.10E-05	0.0018	0.51093	0.67216	0.000481527	Intragenic	NM_001108106	Plxnb2
7	129982386	129982567	1	-0.155259	5	0.002	0.00025	0.14599	0.30125	0.006079939	TSS	NM_201426	Adm2
7	130088400	130088507	1	-0.209296	6	0.011	0.059	0.33709	0.54639	0.02463877	TSS	NM_013200	Cpt1b
7	130088823	130089146	1	-0.216193	11	6.90E-07	4.30E-05	0.23368	0.44988	8.73E-06	TSS	NM_013200	Cpt1b
7	130183174	130183230	1	-0.094839	11	5.70E-06	4.90E-05	0.073344	0.16522	4.91E-05	Intragenic	NM_021676	Shank3
7	130183286	130183508	1	-0.057342	17	0.00048	0.0055	0.076692	0.12821	0.001881331	Intragenic	NM_021676	Shank3
7	130183510	130183662	1.10E-13	-0.135603	22	4.10E-14	3.50E-19	0.084314	0.21992	6.64E-12	Intragenic	NM_021676	Shank3
7	130183685	130183768	1	-0.099515	5	0.00072	0.0093	0.14643	0.24594	0.002634665	Intragenic	NM_021676	Shank3
7	130191785	130191941	1	-0.142497	11	3.40E-05	0.0055	0.11041	0.25291	0.000214477	Intragenic	NM_021676	Shank3
7	130205073	130205148	1	-0.115994	5	0.0011	0.039	0.57618	0.69218	0.003737263	Intragenic	NM_021676	Shank3
7	130207462	130207639	1	-0.178999	8	0.00056	0.018	0.35076	0.52976	0.002153446	Intragenic	NM_021676	Shank3
7	130217790	130217815	1	-0.109872	5	0.008	0.025	0.22984	0.33971	0.019059477	Intragenic	NM_021676	Shank3
7	130218321	130218346	1	-0.108513	5	0.01	0.025	0.22891	0.33743	0.02275947	Intragenic	NM_021676	Shank3
7	131868172	131868317	1	-0.103052	5	0.0022	0.00052	0.041122	0.14417	0.006578104	Intergenic	NA	NA
7	132839451	132839559	1	-0.126782	5	0.0058	0.015	0.2238	0.35059	0.014624129	Intragenic	NM_001309489	Muc19

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	134183755	134183968	0.004	-0.148015	12	2.50E-12	1.20E-08	0.02923	0.17725	1.73E-10	Intragenic	NM_001309489:NM_001134871	Muc19:Yaf2
7	134612996	134613095	1	-0.120141	5	0.012	0.038	0.30926	0.4294	0.026435197	Intragenic	NM_001309489	Muc19
7	135367296	135367393	1	-0.155214	5	0.012	0.038	0.5384	0.69361	0.026435197	Intragenic	NM_001309489	Muc19
7	135477184	135477245	1	-0.095398	6	0.025	0.078	0.65582	0.75121	0.047453009	Intragenic	NM_001309489:NM_001106791	Muc19:Irak4
7	135507000	135507018	1	-0.158067	5	0.00048	7.00E-05	0.12899	0.28706	0.001881331	TSS	NM_001008521	Twf1
7	135725967	135726075	1	-0.126782	5	0.0058	0.015	0.2238	0.35059	0.014624129	Intragenic	NM_001309489:NM_001271239	Muc19:Tmem117
7	136249742	136249899	1	0.070506	5	0.013	0.13	0.478	0.40749	0.028097302	Intragenic	NM_031070	Nell2
7	136621805	136621928	1	-0.141509	5	0.0016	0.0053	0.14971	0.29122	0.005100053	Intergenic	NA	NA
7	136796551	136796766	1	-0.144056	5	0.013	0.057	0.11286	0.25691	0.028097302	Intragenic	NM_001108108	Ano6
7	136824363	136824594	1	-0.101775	5	0.00032	0.0018	0.090426	0.1922	0.001346443	Intragenic	NM_001108108	Ano6
7	137276604	137276674	1	-0.232828	5	0.0012	0.0089	0.45796	0.69079	0.004013471	Intergenic	NA	NA
7	137488350	137488377	1	-0.177892	5	4.80E-06	3.40E-05	0.016801	0.19469	4.29E-05	TSS	NM_001271170	Scaf11
7	137488498	137488525	1	-0.172187	5	5.50E-06	7.60E-06	0.016747	0.18893	4.78E-05	TSS	NM_001271170	Scaf11
7	137608428	137608843	1	-0.121284	5	0.0058	0.025	0.20929	0.33057	0.014624129	Intragenic	NM_138832	Slc38a1
7	137665295	137665375	1	-0.201454	5	0.0024	0.015	0.306	0.50745	0.00705499	Intragenic	NM_138832	Slc38a1
7	137850796	137850907	1	-0.169303	6	0.0032	0.018	0.26041	0.42971	0.008990975	Intergenic	NA	NA
7	138090016	138090129	0.2	-0.362534	7	2.40E-09	6.10E-07	0.38692	0.74946	7.03E-08	Intragenic	NM_130748	Slc38a4
7	138370953	138371076	0.088	-0.152962	5	1.80E-07	2.70E-07	0.03793	0.19089	2.78E-06	Intragenic	NM_001039454	Pced1b
7	138377482	138377657	1	-0.129259	5	0.008	0.059	0.2282	0.35746	0.019059477	Intragenic	NM_001039454	Pced1b
7	138459748	138460269	1	-0.149873	18	3.90E-05	0.00034	0.25903	0.40891	0.000237659	Intragenic	NM_001039454	Pced1b
7	139264637	139264702	1	-0.151077	5	0.0068	0.037	0.34623	0.49731	0.016642688	Intergenic	NA	NA
7	139345618	139345720	1	-0.059383	5	0.013	0.18	0.050959	0.11034	0.028097302	Intergenic	NA	NA
7	139420972	139421326	1	-0.258106	9	1.40E-07	0.00012	0.18615	0.44426	2.25E-06	Intergenic	NA	NA
7	139428804	139428844	1	-0.115009	5	0.00054	0.0031	0.76064	0.87565	0.002077867	Intragenic	NM_021690	Rapgef3
7	139445120	139445524	1	-0.063839	17	0.0068	0.088	0.030033	0.054497	0.016642688	TSS	NM_021690	Rapgef3
7	139568024	139568213	1	-0.180619	5	0.023	0.087	0.321	0.50162	0.04441443	Intragenic	NM_017058	Vdr
7	139577744	139577830	1	-0.058246	5	0.00014	0.0018	0.011869	0.070114	0.000684451	Intragenic	NM_017058	Vdr
7	139764108	139764218	1	-0.126254	13	0.0012	0.0019	0.544	0.67025	0.004013471	Intergenic	NA	NA
7	140016909	140016974	1	-0.124476	5	0.02	0.087	0.37174	0.49622	0.039778219	TSS	NM_001105746	Pou6f1
7	140132638	140132728	0.48	-0.335133	5	1.30E-07	1.50E-06	0.30648	0.64162	2.11E-06	Intragenic	NM_001172063	Galnt6
7	140132762	140132862	1	-0.150162	5	0.0019	0.015	0.18106	0.33122	0.005855937	Intragenic	NM_001172063	Galnt6
7	140459407	140459524	1	-0.136174	11	0.013	0.014	0.76192	0.89809	0.028097302	Intragenic	NM_019266	Scn8a
7	140497208	140497289	1	-0.145349	13	1.30E-05	0.00065	0.30064	0.44598	9.66E-05	Intergenic	NA	NA
7	140497349	140497371	1	-0.124401	5	0.00023	0.025	0.17723	0.30163	0.00102405	Intergenic	NA	NA
7	140497378	140497406	1	-0.114549	5	0.0068	0.039	0.26586	0.38041	0.016642688	Intergenic	NA	NA
7	140497742	140498122	1	-0.123341	5	0.013	0.038	0.20861	0.33196	0.028097302	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	140521787	140521827	1	-0.117237	5	0.0014	0.038	0.23147	0.34871	0.004540837	Intergenic	NA	NA
7	140597491	140597763	1	-0.171081	8	0.0037	0.023	0.48016	0.65124	0.010204935	Intergenic	NA	NA
7	140621043	140621374	1	-0.152806	5	0.0063	0.088	0.20386	0.35667	0.015629046	Intragenic	NM_199230	Acvr1b
7	140640871	140640965	1	-0.11502	5	0.0029	0.015	0.13072	0.24574	0.008293503	Intragenic	NM_199230	Acvr1b
7	140741908	140742060	1	-0.094917	5	0.023	0.088	0.21194	0.30686	0.04441443	Intergenic	NA	NA
7	140790818	140790879	1	-0.173575	6	0.0032	0.085	0.28538	0.45896	0.008990975	Intergenic	NA	NA
7	140862324	140862344	1	-0.14444	5	3.70E-06	0.00014	0.05494	0.19938	3.46E-05	Intergenic	NA	NA
7	140862350	140862408	1	-0.123978	5	0.0029	0.0018	0.07227	0.19625	0.008293503	Intergenic	NA	NA
7	140886861	140887250	0.093	-0.15438	29	1.10E-10	2.90E-07	0.21762	0.372	4.91E-09	TSS	NM_001101675	Krt83
7	140913240	140913485	1	-0.156058	17	0.00012	0.023	0.35395	0.51001	0.000603617	TSS	NM_001008814	Krt81
7	140928584	140928847	1	-0.066514	8	5.00E-05	0.0013	0.091546	0.15806	0.000291675	Intragenic	NM_001008810	Krt86
7	140941869	140942005	1	-0.232939	12	3.80E-06	0.00014	0.42888	0.66182	3.54E-05	TSS	NM_001008813	Kb23
7	141196869	141197054	1	0.132537	5	0.017	0.18	0.40022	0.26768	0.034796287	Intragenic	NM_183333	Krt5
7	141499840	141499949	0.4	-0.196879	7	1.10E-08	1.20E-06	0.13158	0.32846	2.70E-07	Intergenic	NA	NA
7	141507113	141507450	1	-0.131759	16	0.0025	0.053	0.50296	0.63472	0.007343559	Intergenic	NA	NA
7	141546338	141546391	1	-0.069573	6	0.012	0.16	0.14424	0.21381	0.026435197	TSS	NM_013104	Igfbp6
7	141590408	141590521	1	-0.181353	5	0.014	0.0054	0.56015	0.7415	0.029850603	TSS	NM_001134454:NM_021750	Csad:Csad
7	141627608	141627652	1	-0.123354	5	9.80E-07	3.40E-05	0.05404	0.17739	1.16E-05	Intragenic	NM_013171	Itgb7
7	141752381	141752415	1	-0.052873	5	0.0029	0.025	0.06497	0.11784	0.008293503	TSS	NM_001106795	Aaas
7	142352721	142352763	1	-0.067271	6	0.0034	0.018	0.083353	0.15062	0.009519525	Intergenic	NA	NA
7	142365923	142366031	1	-0.07092	5	0.00017	0.00027	0.06475	0.13567	0.000806192	Intergenic	NA	NA
7	142367829	142368309	1	-0.057493	7	0.00045	0.0083	0.052367	0.10986	0.001798952	TSS	NM_001308636	Hoxc10
7	142374619	142374762	1	-0.051945	12	0.019	0.067	0.16874	0.22069	0.038322088	TSS	NR_031913	Mir196a
7	142411135	142411191	1	-0.092529	5	0.0058	0.0055	0.11884	0.21137	0.014624129	Intergenic	NA	NA
7	142432364	142432437	1	-0.211058	5	3.50E-05	0.00014	0.15988	0.37093	0.000218038	Intergenic	NA	NA
7	142439601	142439626	0.087	-0.222213	5	1.30E-07	2.70E-07	0.10858	0.33079	2.11E-06	TSS	NM_001109884	Hoxc4
7	142591702	142591909	1	-0.124757	10	1.30E-05	0.004	0.16192	0.28668	9.66E-05	Intergenic	NA	NA
7	142707299	142707416	1	-0.104093	8	0.019	0.094	0.36716	0.47125	0.038322088	Intergenic	NA	NA
7	142898137	142898324	1	-0.052465	7	0.018	0.075	0.054134	0.1066	0.036742993	TSS	NM_022710	Pde1b
8	324220	324284	1	-0.214359	5	0.0087	0.058	0.66938	0.88374	0.020391633	Intergenic	NA	NA
8	2834135	2834204	1	-0.100141	5	0.0013	0.015	0.08558	0.18572	0.004277683	Intergenic	NA	NA
8	3290690	3290719	0.47	-0.238535	5	1.50E-07	1.40E-06	0.54662	0.78516	2.38E-06	Intergenic	NA	NA
8	4308765	4308953	0.0047	-0.256571	15	1.10E-12	1.50E-08	0.16965	0.42622	8.37E-11	Intergenic	NA	NA
8	4308985	4309370	1	-0.245477	5	0.00021	0.003	0.49938	0.74485	0.000951214	Intergenic	NA	NA
8	5788767	5788902	1	-0.207013	7	0.0026	0.0033	0.52805	0.73506	0.007616821	Intergenic	NA	NA
8	6738027	6738058	9.80E-06	-0.307818	8	8.30E-12	3.00E-11	0.47219	0.78001	4.87E-10	Intergenic	NA	NA
8	6738064	6738167	1	-0.318775	5	2.20E-05	7.50E-06	0.21377	0.53255	0.000149617	Intergenic	NA	NA
8	7377504	7377667	1	-0.209889	5	1.90E-05	0.00028	0.10514	0.31503	0.000131674	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	8542398	8542512	1	-0.171723	5	0.0013	0.0031	0.09457	0.26629	0.004277683	Intergenic	NA	NA
8	11130341	11130476	1	-0.214585	7	0.0013	0.0034	0.52048	0.73506	0.004277683	Intergenic	NA	NA
8	11811263	11811450	1	-0.080388	6	0.025	0.084	0.21447	0.29485	0.047453009	Intergenic	NA	NA
8	11893837	11893907	1	-0.055526	6	0.023	0.04	0.13049	0.18601	0.04441443	Intergenic	NA	NA
8	12475243	12475401	1	-0.148608	7	0.02	0.075	0.37533	0.52393	0.039778219	Intergenic	NA	NA
8	13072069	13072147	1	-0.250127	5	6.20E-05	0.00098	0.20782	0.45795	0.000349462	Intergenic	NA	NA
8	13306482	13306639	1	-0.10936	7	0.0027	0.037	0.18135	0.29071	0.007840962	TSS	NM_080411	Gpr83
8	14072287	14072417	1	-0.18281	8	1.70E-05	0.00061	0.28473	0.46754	0.000120524	Intergenic	NA	NA
8	14252422	14252479	1	-0.167324	6	4.90E-07	6.30E-06	0.059934	0.22726	6.54E-06	TSS	NM_001014087	Ccdc67
8	17006727	17006792	1	-0.201515	5	0.00048	0.0053	0.43758	0.63909	0.001881331	Intergenic	NA	NA
8	17658231	17658362	1	0.055661	11	8.20E-05	0.004	0.92477	0.8691	0.000442277	Intergenic	NA	NA
8	21313345	21313385	1	0.08951	11	5.60E-06	0.00011	0.18787	0.098361	4.84E-05	Intergenic	NA	NA
8	21601389	21601577	1	-0.166285	5	0.025	0.088	0.47612	0.64241	0.047453009	Intergenic	NA	NA
8	22047916	22048141	1	-0.28621	5	0.00021	0.0017	0.31813	0.60434	0.000951214	Intragenic	NM_017192	S1pr2
8	22111625	22111653	1	-0.10033	5	0.00088	0.0018	0.15257	0.2529	0.003092094	Intragenic	NM_001172079	Icam5
8	22112799	22112926	1	-0.107195	15	1.70E-05	0.00061	0.18205	0.28924	0.000120524	Intragenic	NM_001172079	Icam5
8	22113758	22113846	1	-0.080422	8	0.0003	0.026	0.078468	0.15889	0.001281585	Intragenic	NM_001172079	Icam5
8	22391059	22391080	1	-0.109659	5	0.00088	0.0055	0.16577	0.27543	0.003092094	TSS	NM_001108996	Ap1m2
8	22422780	22423559	1	-0.07609	16	0.0094	0.16	0.21468	0.29077	0.021723038	TSS	NM_001134715	Slc44a2
8	22869365	22869507	1	-0.137595	8	0.026	0.25	0.31422	0.45181	0.049234478	Intragenic	NM_001270413	Kank2
8	22906274	22906353	1	-0.226559	5	2.20E-06	6.90E-05	0.27188	0.49844	2.27E-05	Intragenic	NM_001108997	Dock6
8	23008957	23009011	1	-0.054669	5	0.021	0.059	0.088798	0.14347	0.041207871	Intragenic	NM_001005881	Plppr2
8	23009075	23009124	1	-0.177366	7	0.00054	0.0014	0.21381	0.39117	0.002077867	Intragenic	NM_001005881	Plppr2
8	23048575	23048639	1	-0.186602	5	0.01	0.086	0.44811	0.63471	0.02275947	Intragenic	NM_001106805	Rgl3
8	23259562	23259727	1	-0.203498	13	8.70E-09	4.70E-06	0.21343	0.41693	2.21E-07	Intergenic	NA	NA
8	23717611	23717672	1	-0.166847	5	0.00072	0.015	0.24761	0.41445	0.002634665	Intergenic	NA	NA
8	23728909	23729195	1	-0.13071	9	0.017	0.11	0.26929	0.4	0.034796287	Intergenic	NA	NA
8	24227061	24227122	1	-0.166847	5	0.00072	0.015	0.24761	0.41445	0.002634665	Intergenic	NA	NA
8	24238359	24238645	1	-0.13071	9	0.017	0.11	0.26929	0.4	0.034796287	Intergenic	NA	NA
8	24299315	24299444	1	0.052535	5	0.023	0.18	0.71937	0.66683	0.04441443	Intergenic	NA	NA
8	25109276	25109332	1	-0.131571	5	0.014	0.015	0.58174	0.71331	0.029850603	Intergenic	NA	NA
8	25109363	25109576	1	-0.218258	14	1.50E-06	4.10E-05	0.31112	0.52938	1.65E-05	Intergenic	NA	NA
8	27845714	27845985	1	-0.188206	8	7.90E-05	0.00064	0.16785	0.35606	0.000427247	Intragenic	NM_001192018	Glb1l2
8	30686671	30686876	1	-0.105588	6	0.025	0.11	0.20535	0.31094	0.047453009	Intergenic	NA	NA
8	30755788	30755883	1	-0.132314	5	0.0011	0.0018	0.094667	0.22698	0.003737263	Intergenic	NA	NA
8	30939855	30940034	1	-0.299231	5	0.0017	0.0054	0.12749	0.42672	0.005339493	Intergenic	NA	NA
8	32010722	32010783	1	-0.187152	5	3.50E-05	0.0018	0.4316	0.61875	0.000218038	Intragenic	NM_001106810	Adamts15
8	32026159	32026190	1	-0.056281	5	0.00054	0.0031	0.016207	0.072489	0.002077867	TSS	NM_001106810	Adamts15
8	32215461	32215570	1	-0.253699	5	0.00036	0.0031	0.29053	0.54423	0.001486639	Intragenic	NM_001034942	Zbtb44

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	32267005	32267176	1	-0.105511	5	0.02	0.0054	0.019165	0.12468	0.039778219	Intragenic	NM_053635	St14
8	32986648	32987275	1	-0.051177	10	0.0089	0.021	0.07843	0.12961	0.020836022	Intragenic	NM_017297	Kcnj5
8	33431377	33431717	1	-0.084617	9	0.0031	0.061	0.096614	0.18123	0.008829746	Intragenic	NM_017297	Kcnj5
8	33457234	33457308	1	-0.152702	5	0.011	0.039	0.26988	0.42258	0.02463877	Intragenic	NM_017297	Kcnj5
8	33706788	33706856	1	-0.14804	5	7.00E-05	0.00052	0.06926	0.2173	0.000386221	Intergenic	NA	NA
8	36182041	36182180	1	-0.16618	7	0.0051	0.11	0.2822	0.44838	0.013208341	Intragenic	NM_001048215	Kirrel3
8	36194976	36195023	1	-0.164647	5	0.0008	0.0052	0.43998	0.60463	0.002866309	Intragenic	NM_001048215	Kirrel3
8	36262494	36262542	1	-0.096594	5	0.0063	0.0092	0.12051	0.21711	0.015629046	Intragenic	NM_001048215	Kirrel3
8	37208861	37208894	1	-0.353071	5	5.60E-07	7.30E-06	0.48738	0.84045	7.29E-06	Intergenic	NA	NA
8	39093336	39093407	1	-0.14171	5	0.00014	0.00098	0.19577	0.33748	0.000684451	Intragenic	NM_181375	Robo4
8	39613771	39613909	1	-0.172393	5	0.0058	0.015	0.41265	0.58504	0.014624129	Intergenic	NA	NA
8	39886139	39886210	1	-0.14073	5	0.00014	0.0018	0.19816	0.33889	0.000684451	Intragenic	NM_001305215:N M_181375	LOC10091106 8:Robo4
8	40017460	40017501	1	-0.107651	5	0.021	0.13	0.63522	0.74287	0.041207871	Intragenic	NM_024140	Nrgn
8	40123113	40123182	0.011	-0.172275	7	1.50E-09	3.30E-08	0.13199	0.30426	4.72E-08	TSS	NM_001009344	Tbrg1
8	41393723	41393856	1	-0.222029	7	7.70E-08	8.10E-06	0.43473	0.65676	1.41E-06	Intergenic	NA	NA
8	41621477	41621584	1	-0.208989	5	4.40E-05	0.00014	0.54522	0.75421	0.000263321	Intergenic	NA	NA
8	41635588	41635653	1	-0.233069	5	1.70E-05	0.00052	0.47166	0.70473	0.000120524	Intergenic	NA	NA
8	43894699	43894828	1	-0.152636	5	0.0038	0.0091	0.16416	0.3168	0.010352437	Intergenic	NA	NA
8	44747944	44748001	1	-0.204837	6	0.012	0.059	0.3473	0.55214	0.026435197	Intragenic	NM_053519	Sorl1
8	44986871	44986974	1	-0.10318	7	5.60E-06	9.10E-05	0.13009	0.23327	4.84E-05	Intergenic	NA	NA
8	45083502	45083527	1	-0.225147	5	4.80E-06	0.00014	0.53147	0.75662	4.29E-05	Intragenic	NM_001106814	Tecta
8	45114120	45114200	1	-0.106594	5	0.016	0.024	0.24827	0.35487	0.033288089	Intragenic	NM_001106814	Tecta
8	45138082	45138176	1	-0.20267	5	0.00029	0.015	0.23781	0.44048	0.001239307	Intragenic	NM_001106814	Tecta
8	45648877	45648953	1	-0.199152	5	0.00021	0.0018	0.13316	0.33231	0.000951214	Intergenic	NA	NA
8	45702909	45703009	1	-0.154307	5	0.00015	0.0032	0.13372	0.28803	0.000724207	Intergenic	NA	NA
8	45988415	45988553	1	-0.318668	5	1.50E-05	7.40E-06	0.087903	0.40657	0.000109113	Intragenic	NM_001014090	Oaf
8	46103893	46103934	0.0058	-0.254247	5	6.30E-08	1.80E-08	0.068909	0.32316	1.18E-06	Intragenic	NM_173154	Clmp
8	46122014	46122162	1	-0.136936	5	0.013	0.13	0.14062	0.27756	0.028097302	Intragenic	NM_173154	Clmp
8	46312474	46312560	1	-0.144709	6	1.00E-05	0.00095	0.07234	0.21705	7.82E-05	Intragenic	NM_001106815	Trim29
8	46654698	46654954	1	-0.095951	7	0.0096	0.077	0.15878	0.25474	0.022155406	Intergenic	NA	NA
8	46930744	46930808	1	-0.147341	5	0.0049	0.059	0.24184	0.38918	0.012753585	Intergenic	NA	NA
8	47060636	47060689	1	-0.132051	5	0.013	0.038	0.45864	0.59069	0.028097302	TSS	NM_001012123	C1qtnf5
8	47060710	47060769	1	-0.102505	5	0.00017	0.00052	0.71661	0.81912	0.000806192	TSS	NM_001012123	C1qtnf5
8	47204515	47204600	1	0.103782	5	0.0011	0.0055	0.57882	0.47504	0.003737263	Intragenic	NM_001025010	Nlr1
8	47260653	47260723	1	-0.241397	5	0.00039	0.0032	0.19021	0.4316	0.001587612	Intragenic	NM_001011996	C2cd2l
8	47543160	47543190	0.037	-0.223773	5	1.30E-07	1.10E-07	0.062306	0.28608	2.11E-06	TSS	NM_001109292	Ddx6
8	47543234	47543350	1	-0.135827	5	0.00059	0.00096	0.037223	0.17305	0.002242971	TSS	NM_001109292	Ddx6

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	48337126	48337219	1	-0.169856	5	0.01	0.058	0.38043	0.55029	0.02275947	TSS	NM_017349:NM_145717	Fxyd2:Fxyd2
8	48438822	48439044	1	-0.146352	7	2.70E-05	0.0013	0.12643	0.27278	0.000178372	Intragenic	NM_001108141	Dscaml1
8	48594339	48594381	1	-0.205698	5	0.0074	0.0091	0.3107	0.5164	0.017853001	Intragenic	NM_001108141	Dscaml1
8	48601094	48601173	1	-0.162273	7	0.00093	0.0052	0.37977	0.54204	0.003255406	Intragenic	NM_001108141	Dscaml1
8	50084296	50084419	1	-0.134573	5	0.00054	0.0054	0.36082	0.4954	0.002077867	Intergenic	NA	NA
8	50777676	50777839	1	-0.165526	5	0.0041	0.024	0.11248	0.27801	0.01100507	Intragenic	NM_001012201	Cadm1
8	51312229	51312318	0.0022	-0.257196	5	6.30E-08	6.70E-09	0.1442	0.40139	1.18E-06	TSS	NM_001025055	Fam55b
8	51599023	51599138	1	-0.148021	6	0.011	0.085	0.28376	0.43178	0.02463877	Intragenic	NM_001013181	Zbtb16
8	52168748	52168836	1	-0.176322	5	0.0035	0.024	0.2632	0.43952	0.009686665	Intergenic	NA	NA
8	53571967	53572036	1	-0.082944	5	0.015	0.058	0.23037	0.31331	0.031584896	Intragenic	NM_001127712	Bco2
8	54278066	54278611	0.00066	-0.092045	20	1.20E-13	2.00E-09	0.027487	0.11953	1.24E-11	Intergenic	NA	NA
8	54290068	54290130	1	-0.164488	5	5.50E-06	0.00028	0.13907	0.30356	4.78E-05	Intergenic	NA	NA
8	54669600	54669648	1	-0.148232	5	0.00023	0.0018	0.61163	0.75986	0.00102405	Intergenic	NA	NA
8	54774702	54774783	1	-0.243462	5	0.00017	0.0018	0.43025	0.67372	0.000806192	Intragenic	NM_213629	Arhgap20
8	55039861	55040004	1	-0.18263	8	0.00048	0.0084	0.24526	0.42789	0.001881331	Intragenic	NM_001105997	Mrpl1
8	57122099	57122215	1	-0.07034	5	0.00015	7.00E-05	0.018662	0.089002	0.000724207	TSS	NM_001191579	Elmod1
8	57374641	57374733	1	-0.178602	5	0.0045	0.0016	0.5513	0.7299	0.011905878	Intergenic	NA	NA
8	57929375	57929549	1	-0.260919	5	0.00019	0.0091	0.3001	0.56102	0.000879857	Intragenic	NM_001105716	Crabp1
8	58206162	58206262	1	-0.154261	5	0.0068	0.039	0.27052	0.42478	0.016642688	Intragenic	NM_052806	Chrb4
8	58470187	58470264	1	-0.121762	5	0.01	0.024	0.17241	0.29417	0.02275947	Intergenic	NA	NA
8	58470272	58470306	1	-0.14715	5	0.0011	0.0055	0.17369	0.32084	0.003737263	Intergenic	NA	NA
8	58470430	58470514	1	-0.217297	7	1.50E-05	1.60E-05	0.31151	0.52881	0.000109113	Intergenic	NA	NA
8	58522694	58522761	1	-0.152574	5	0.0027	0.0055	0.16239	0.31497	0.007840962	Intragenic	NM_001109294	Tmem266
8	59424012	59424132	1	-0.132589	7	0.013	0.078	0.24958	0.38217	0.028097302	Intergenic	NA	NA
8	59778387	59778485	1	-0.186531	5	0.00054	0.0054	0.14408	0.33061	0.002077867	Intergenic	NA	NA
8	59845977	59846021	1	-0.224508	5	3.90E-05	0.00098	0.31696	0.54146	0.000237659	Intragenic	NM_001100722	Lingo1
8	60101181	60101227	1	-0.06796	5	0.01	0.015	0.11962	0.18758	0.02275947	TSS	NM_031022	Cspg4
8	60101241	60101573	1	-0.096539	5	0.011	0.038	0.15546	0.252	0.02463877	TSS	NM_031022	Cspg4
8	60164128	60164534	0.62	-0.050082	18	3.10E-08	1.90E-06	0.02996	0.080042	6.79E-07	TSS	NM_001127488	Snx33
8	61331106	61331199	1	-0.181876	5	0.015	0.038	0.45116	0.63304	0.031584896	Intragenic	NM_001191616	Gramd1b
8	62649492	62649600	1	-0.185876	5	0.012	0.088	0.30711	0.49298	0.026435197	Intragenic	NM_001014091	Ccdc33
8	62866980	62867019	1	-0.101948	5	0.00088	0.0055	0.32252	0.42447	0.003092094	TSS	NM_001012125	Loxl1
8	63013105	63013248	0.00014	-0.217824	13	1.90E-12	4.30E-10	0.13019	0.34801	1.36E-10	Intergenic	NA	NA
8	63184117	63184156	1	-0.107441	7	0.0041	0.027	0.518	0.62544	0.01100507	Intragenic	NM_019380	Nptn
8	63404301	63404812	1	-0.109774	18	0.0011	0.1	0.29879	0.40856	0.003737263	Intragenic	NM_021658	Hcn4
8	63914700	63914738	0.0035	-0.385173	9	1.80E-10	1.10E-08	0.29905	0.68422	7.51E-09	TSS	NM_001106826	Bbs4
8	63915029	63915131	1	-0.280186	5	0.0041	0.0054	0.4024	0.68259	0.01100507	TSS	NM_001106826	Bbs4
8	64088127	64088186	1	-0.076377	5	0.0038	0.0055	0.061551	0.13793	0.010352437	TSS	NM_001004443	Hexa

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	64278978	64279010	1	-0.148897	5	0.0016	0.015	0.16624	0.31514	0.005100053	Intergenic	NA	NA
8	66034624	66034773	1	-0.107163	5	0.0094	0.088	0.059072	0.16623	0.021723038	Intergenic	NA	NA
8	67035949	67036193	1	-0.13028	5	0.0013	0.015	0.079877	0.21016	0.004277683	Intergenic	NA	NA
8	67042477	67043226	1	-0.076967	11	0.0004	0.0019	0.094558	0.17153	0.00162337	Intergenic	NA	NA
8	67710590	67710678	0.91	-0.197059	8	1.00E-09	2.80E-06	0.15006	0.34712	3.33E-08	Intergenic	NA	NA
8	68395870	68395969	1	-0.106153	5	0.017	0.13	0.17559	0.28175	0.034796287	TSS	NM_013095	Smad3
8	68450974	68451093	1	-0.250415	5	5.00E-05	0.00027	0.062857	0.31327	0.000291675	Intergenic	NA	NA
8	68579345	68579437	1	-0.184847	8	1.40E-05	0.00095	0.16929	0.35414	0.000103723	Intergenic	NA	NA
8	68672758	68673106	1	-0.090975	6	0.023	0.16	0.087324	0.1783	0.04441443	Intragenic	NM_001109002	Smad6
8	68724144	68724209	1	-0.148251	5	0.017	0.056	0.3676	0.51585	0.034796287	Intergenic	NA	NA
8	68742278	68742535	1	-0.06194	6	0.025	0.056	0.039158	0.1011	0.047453009	Intergenic	NA	NA
8	69569762	69570193	1	-0.05458	13	0.00042	0.0013	0.047931	0.10251	0.001700519	Intergenic	NA	NA
8	69669455	69669560	1	-0.107056	5	0.00097	0.0093	0.42914	0.5362	0.003366009	Intergenic	NA	NA
8	70405141	70405357	1	-0.142355	7	1.00E-05	0.00016	0.091992	0.23435	7.82E-05	TSS	NM_001014093	Parp16
8	70803203	70803354	1	-0.189645	5	0.0008	0.00098	0.24615	0.4358	0.002866309	Intergenic	NA	NA
8	70817069	70817115	1	-0.271043	5	3.50E-05	0.00027	0.1949	0.46595	0.000218038	Intragenic	NM_001044253	Pif1
8	70852452	70852557	1	-0.086097	5	0.0068	0.024	0.079618	0.16571	0.016642688	TSS	NM_001173426	Rbpms2
8	71490661	71490750	1	-0.067929	5	0.00019	0.0032	0.041731	0.10966	0.000879857	Intergenic	NA	NA
8	73551682	73551904	1	-0.200517	5	0.0008	0.00052	0.13602	0.33654	0.002866309	Intragenic	NM_001037651	Prtg
8	77397451	77397574	1	-0.189693	5	0.00039	0.0053	0.12749	0.31718	0.001587612	Intergenic	NA	NA
8	77732904	77733066	1	-0.103733	7	0.00033	0.013	0.19257	0.2963	0.001385608	Intergenic	NA	NA
8	79813934	79814065	1	-0.1458	5	0.00048	0.00028	0.13194	0.27774	0.001881331	Intergenic	NA	NA
8	80068704	80068871	1	-0.07372	7	0.013	0.14	0.14677	0.22049	0.028097302	Intergenic	NA	NA
8	80472067	80472138	1	-0.075678	5	0.0087	0.038	0.093419	0.1691	0.020391633	Intergenic	NA	NA
8	83752342	83752576	1	-0.172579	5	0.0053	0.025	0.095743	0.26832	0.013591571	Intragenic	NM_001005549	Tinag
8	84083549	84083784	1	-0.169861	5	0.008	0.038	0.52656	0.69642	0.019059477	Intergenic	NA	NA
8	84382347	84382653	1	-0.118015	8	0.0036	0.013	0.13654	0.25456	0.009945103	Intragenic	NM_001014268	Lrrc1
8	84617796	84617849	1	-0.171995	5	0.00054	0.015	0.67954	0.85153	0.002077867	Intergenic	NA	NA
8	85107798	85107958	1	-0.164168	10	1.30E-05	0.0001	0.20681	0.37098	9.66E-05	Intergenic	NA	NA
8	85303917	85304000	1	-0.052689	14	1.10E-06	0.00043	0.052262	0.10495	1.27E-05	Intergenic	NA	NA
8	86726281	86726454	1	-0.131262	6	0.016	0.059	0.12195	0.25321	0.033288089	Intergenic	NA	NA
8	87764868	87765059	1	-0.141288	10	7.10E-05	0.00022	0.51834	0.65962	0.000391021	Intergenic	NA	NA
8	89874803	89874936	1	-0.291206	5	6.20E-05	0.0055	0.15858	0.44978	0.000349462	Intragenic	NM_001277283	Irak1bp1
8	91933927	91934079	1	-0.065951	7	0.026	0.14	0.72003	0.78598	0.049234478	Intergenic	NA	NA
8	93237031	93237157	1	-0.165367	7	0.00058	0.012	0.37874	0.54411	0.002226081	Intergenic	NA	NA
8	94308315	94308348	1	-0.223931	5	0.00029	0.00053	0.21911	0.44304	0.001239307	TSS	NM_001108774	Mrap2
8	99823458	99823521	1	-0.139422	5	0.0017	0.039	0.2546	0.39403	0.005339493	Intergenic	NA	NA
8	101865454	101865719	1	-0.129704	11	0.0021	0.025	0.3901	0.51981	0.006364615	Intragenic	NM_001271438	Slc9a9
8	102828796	102828837	1	-0.092864	5	0.00019	0.0018	0.055564	0.14843	0.000879857	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	103810221	103810426	1	-0.117178	11	7.90E-05	0.02	0.18602	0.3032	0.000427247	Intergenic	NA	NA
8	104102828	104103037	1	-0.274721	8	3.10E-07	5.50E-06	0.26703	0.54176	4.47E-06	Intergenic	NA	NA
8	104534484	104534573	0.00024	-0.326164	8	1.90E-11	7.40E-10	0.3283	0.65446	9.88E-10	Intergenic	NA	NA
8	106881637	106881809	1	-0.151372	19	5.00E-09	4.40E-06	0.22323	0.3746	1.33E-07	Intergenic	NA	NA
8	107231883	107231946	1	-0.055327	5	0.0011	0.0032	0.052616	0.10794	0.003737263	Intragenic	NM_001173354	Armc8
8	107813089	107813235	1	-0.156993	6	0.00036	0.0027	0.12246	0.27945	0.001486639	Intergenic	NA	NA
8	107822148	107822218	1	-0.200958	5	3.20E-07	7.50E-06	0.21745	0.4184	4.57E-06	Intergenic	NA	NA
8	108295783	108295928	1	-0.097362	5	0.00012	0.0018	0.027441	0.1248	0.000603617	TSS	NM_001012126	Slc35g2
8	108450014	108450116	1	-0.143015	5	0.0058	0.015	0.46903	0.61205	0.014624129	Intragenic	NM_001108179	Stag1
8	110238970	110239047	1	-0.138157	5	0.012	0.039	0.25263	0.39079	0.026435197	Intergenic	NA	NA
8	110245247	110245522	1	-0.272647	7	0.0002	4.80E-05	0.54804	0.82068	0.00092049	Intergenic	NA	NA
8	110607008	110607343	1	-0.081396	15	0.0024	0.012	0.15143	0.23283	0.00705499	Intragenic	NM_031717	Amotl2
8	111425686	111425818	1	-0.154375	6	0.0018	0.0071	0.15926	0.31364	0.005640313	Intergenic	NA	NA
8	112224749	112224804	1	-0.154769	5	0.00032	0.0018	0.72596	0.88073	0.001346443	Intragenic	NM_001134901	Acpp
8	112761424	112761569	1	-0.104002	7	0.0096	0.11	0.65996	0.76397	0.022155406	Intragenic	NM_001109003	Cpne4
8	114214071	114214279	0.48	-0.324068	5	3.70E-06	1.50E-06	0.08268	0.40675	3.46E-05	Intragenic	NM_001109449	Glyctk
8	114215541	114215658	1	-0.2083	5	4.40E-05	0.00014	0.32245	0.53075	0.000263321	Intragenic	NM_001109449	Glyctk
8	114215722	114215782	1	-0.129629	5	0.00032	0.00053	0.33955	0.46918	0.001346443	Intragenic	NM_001109449	Glyctk
8	114216063	114216354	0.00078	-0.28752	10	3.50E-12	2.40E-09	0.079657	0.36718	2.34E-10	Intragenic	NM_001109449	Glyctk
8	114259877	114259911	1	-0.109126	5	0.025	0.13	0.13821	0.24733	0.047453009	TSS	NM_001135238	Twf2
8	115663525	115663560	1	-0.055641	5	0.00012	0.00014	0.039192	0.094834	0.000603617	TSS	NM_001037555	Rassf1
8	115702365	115702467	1	-0.102922	8	0.011	0.019	0.63062	0.73354	0.02463877	Intragenic	NM_001047871	lfrd2
8	115710582	115710650	1	-0.136367	5	0.0049	0.015	0.34656	0.48293	0.012753585	Intragenic	NM_001079942	Sema3b
8	115716846	115716938	1	-0.102086	5	0.00026	0.00053	0.02565	0.12774	0.001130807	TSS	NM_001079942	Sema3b
8	115789068	115789193	1	-0.15924	5	0.00023	0.0018	0.027921	0.18716	0.00102405	Intragenic	NM_001108780	Gnat1
8	115828571	115828669	1	-0.139788	5	0.0014	0.038	0.19417	0.33395	0.004540837	Intergenic	NA	NA
8	115850500	115850595	1	-0.129805	6	0.0012	0.0069	0.2156	0.34541	0.004013471	Intergenic	NA	NA
8	116040977	116041125	1	-0.203039	12	1.30E-06	4.10E-06	0.27483	0.47787	1.46E-05	TSS	NM_001106855	Mst1r
8	116553018	116553193	1	-0.114711	8	0.00034	0.0017	0.65972	0.77443	0.001424609	Intergenic	NA	NA
8	116934558	116934776	1	-0.157703	9	6.10E-05	0.00028	0.16791	0.32561	0.000347082	Intragenic	NM_021660	lp6k2
8	117001905	117001982	1	0.099679	5	0.025	0.015	0.69138	0.5917	0.047453009	Intragenic	NM_001143817	Slc26a6
8	117096091	117096290	1	-0.203701	6	0.00039	0.0027	0.22189	0.42559	0.001587612	Intragenic	NM_019333	Pfkfb4
8	117561673	117561811	3.20E-05	-0.197926	16	9.20E-12	1.00E-10	0.14167	0.33959	5.37E-10	TSS	NM_001106861	Smarcc1
8	117884474	117884581	1	-0.166857	5	0.0008	0.0092	0.168	0.33486	0.002866309	Intragenic	NM_001108782	Elp6
8	117968818	117968857	1	-0.062433	5	0.017	0.015	0.68757	0.75	0.034796287	Intragenic	NM_001100966	Scap
8	117968885	117969302	1	-0.125981	26	0.0038	0.056	0.52373	0.63259	0.010352437	Intragenic	NM_001100966	Scap
8	118234737	118234859	2.50E-06	-0.108539	9	3.70E-12	7.80E-12	0.0248	0.13334	2.43E-10	TSS	NM_139259	Nradd
8	118297712	118297852	1	-0.157486	5	7.10E-06	0.00014	0.036715	0.1942	5.86E-05	Intragenic	NM_001108783	Ccdc12
8	118658289	118658356	1	-0.261171	5	5.00E-05	0.00028	0.15741	0.41858	0.000291675	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	119334888	119334910	1	-0.287293	5	2.90E-06	0.00053	0.59227	0.87956	2.84E-05	Intergenic	NA	NA
8	119778476	119778682	1	-0.089704	6	0.0034	0.0071	0.077215	0.16692	0.009519525	Intragenic	NM_001135045	Arpp21
8	121126993	121127147	1	-0.242676	5	5.60E-05	0.0018	0.16271	0.40538	0.000320912	Intergenic	NA	NA
8	121212520	121212625	1	-0.158704	5	0.00011	0.00098	0.24423	0.40294	0.000565143	Intergenic	NA	NA
8	121766144	121766309	1	-0.122046	8	0.00072	0.017	0.16361	0.28566	0.002634665	Intragenic	NM_001108192	Glb1
8	121767136	121767200	0.015	-0.230091	5	7.30E-08	4.50E-08	0.11533	0.34542	1.35E-06	Intragenic	NM_001108192	Glb1
8	121907434	121907553	1	-0.147295	5	0.021	0.039	0.22763	0.37492	0.041207871	Intragenic	NM_001191801	Trim71
8	122474054	122474098	1	-0.214394	5	0.013	0.015	0.3459	0.5603	0.028097302	Intergenic	NA	NA
8	122759825	122760065	1	-0.109721	12	0.00083	0.0013	0.75262	0.86234	0.002961434	Intergenic	NA	NA
8	122936906	122936967	1	-0.093815	5	0.01	0.088	0.70888	0.8027	0.02275947	Intergenic	NA	NA
8	122956538	122956594	1	-0.051249	5	0.023	0.059	0.92103	0.97228	0.04441443	Intergenic	NA	NA
8	123592386	123592470	1	-0.201855	5	0.00014	0.0054	0.16451	0.36636	0.000684451	Intragenic	NM_031132	Tgfbr2
8	124621055	124621156	1	-0.188289	5	0.00012	0.00052	0.17425	0.36254	0.000603617	Intergenic	NA	NA
8	124692708	124692737	1	-0.163323	5	9.80E-07	7.50E-06	0.083628	0.24695	1.16E-05	Intergenic	NA	NA
8	125856040	125856119	1	-0.110135	5	0.011	0.015	0.38583	0.49597	0.02463877	Intergenic	NA	NA
8	125920073	125920189	1	-0.149573	7	0.0026	0.027	0.25494	0.40451	0.007616821	Intergenic	NA	NA
8	126105676	126105858	0.046	-0.053849	17	7.20E-12	1.40E-07	0.046114	0.099963	4.35E-10	Intergenic	NA	NA
8	126108194	126108682	1	-0.132085	21	2.20E-06	0.00032	0.25941	0.39149	2.27E-05	Intergenic	NA	NA
8	126112557	126112739	0.046	-0.053849	17	7.20E-12	1.40E-07	0.046114	0.099963	4.35E-10	Intergenic	NA	NA
8	126114437	126114517	1	-0.080722	5	0.00048	0.0018	0.012243	0.092965	0.001881331	Intergenic	NA	NA
8	126115075	126115306	1	-0.131417	12	4.10E-07	9.00E-05	0.16838	0.29979	5.71E-06	Intergenic	NA	NA
8	126119677	126119859	0.046	-0.053849	17	7.20E-12	1.40E-07	0.046114	0.099963	4.35E-10	Intergenic	NA	NA
8	126121557	126121637	1	-0.060439	5	0.00088	0.0054	0.012243	0.072682	0.003092094	Intergenic	NA	NA
8	126122195	126122683	1	-0.132085	21	2.20E-06	0.00032	0.25941	0.39149	2.27E-05	Intergenic	NA	NA
8	126358353	126358455	1	-0.125487	5	0.0027	0.025	0.11763	0.24312	0.007840962	Intragenic	NM_001106865	Ctdspl
8	126408922	126408981	1	-0.250276	5	8.10E-06	0.00098	0.20008	0.45035	6.58E-05	Intragenic	NM_001106865:N M_001191080	Ctdspl:Golga4
8	126498410	126498651	1	-0.132863	8	0.017	0.094	0.39824	0.5311	0.034796287	Intragenic	NM_001106865	Ctdspl
8	126546804	126547016	1	-0.061804	7	0.0053	0.027	0.057735	0.11954	0.013591571	Intragenic	NM_001106865	Ctdspl
8	126579723	126579900	1	-0.231109	10	2.00E-07	8.60E-06	0.26751	0.49862	3.06E-06	Intragenic	NM_001106865	Ctdspl
8	126588239	126588427	1	-0.153712	5	0.0038	0.058	0.27644	0.43016	0.010352437	Intragenic	NM_001106865	Ctdspl
8	126856436	126856691	1	-0.111291	8	5.00E-05	0.0039	0.074024	0.18531	0.000291675	Intragenic	NM_001106865	Ctdspl
8	126878571	126878688	1	-0.18076	5	0.00044	0.0092	0.20181	0.38257	0.001760146	Intragenic	NM_001106865	Ctdspl
8	126952331	126952415	1	-0.104665	5	0.00059	0.0032	0.046434	0.1511	0.002242971	Intergenic	NA	NA
8	127049535	127049594	1	-0.257941	5	7.00E-05	0.00053	0.56789	0.82583	0.000386221	Intergenic	NA	NA
8	127256629	127256959	1	-0.177586	9	0.0002	0.018	0.27871	0.45629	0.00092049	Intragenic	NM_001033704	Xylb
8	127309211	127309252	1	-0.112179	5	0.0049	0.059	0.11741	0.22959	0.012753585	Intragenic	NM_031554	Acvr2b
8	127480970	127481200	1	-0.107815	9	0.016	0.055	0.23837	0.34619	0.033288089	Intergenic	NA	NA
8	127526084	127526214	1	-0.16935	8	0.0023	0.065	0.25757	0.42692	0.00686004	Intragenic	NM_017247	Scn10a

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	127834565	127834672	1	-0.132339	9	3.10E-05	0.0018	0.24263	0.37497	0.000197418	Intergenic	NA	NA
8	127874526	127874660	1	-0.171653	5	0.0041	0.0018	0.11181	0.28346	0.01100507	Intergenic	NA	NA
8	127925334	127925493	1	-0.227645	5	0.0027	0.0054	0.23176	0.45941	0.007840962	Intergenic	NA	NA
8	128512728	128512817	1	-0.338255	5	2.90E-06	6.70E-05	0.10971	0.44796	2.84E-05	Intergenic	NA	NA
8	128530846	128530972	1	-0.224078	7	1.50E-05	0.00048	0.1983	0.42238	0.000109113	Intergenic	NA	NA
8	128570120	128570193	1	-0.182118	5	8.80E-05	0.0018	0.20082	0.38294	0.000466886	Intergenic	NA	NA
8	128733480	128733573	1	-0.110854	5	0.00014	0.0032	0.11595	0.2268	0.000684451	Intergenic	NA	NA
8	129134739	129134793	1	-0.140909	5	0.0008	0.0018	0.63488	0.77579	0.002866309	Intergenic	NA	NA
8	129236841	129236978	1	-0.158676	7	7.10E-06	0.0014	0.12182	0.2805	5.86E-05	Intragenic	NM_001134565	Trak1
8	129257692	129257966	1	-0.136099	5	0.0049	0.015	0.11498	0.25108	0.012753585	Intragenic	NM_001134565	Trak1
8	129489608	129489769	1	-0.086521	5	0.019	0.088	0.71354	0.80006	0.038322088	Intragenic	NM_012685	Vipr1
8	129577749	129577850	1	-0.061699	8	1.10E-05	0.0025	0.03392	0.095619	8.53E-05	Intergenic	NA	NA
8	129608283	129608517	1	-0.126505	9	0.011	0.078	0.18129	0.3078	0.02463877	TSS	NM_001106868	Hhatl
8	130926932	130927123	1	-0.11399	8	3.80E-05	0.00012	0.0042199	0.11821	0.000235506	Intergenic	NA	NA
8	131034187	131034237	1	-0.211112	5	0.0063	0.088	0.38275	0.59387	0.015629046	Intergenic	NA	NA
8	132359608	132359645	1	-0.291715	5	5.50E-06	7.30E-06	0.19696	0.48867	4.78E-05	Intergenic	NA	NA
9	840265	840440	1	-0.11472	8	0.00034	0.0017	0.65973	0.77445	0.001424609	Intergenic	NA	NA
9	1047148	1047262	1	-0.143541	5	0.0053	0.024	0.2583	0.40184	0.013591571	Intergenic	NA	NA
9	1461284	1461436	1	-0.141255	7	1.60E-05	0.0021	0.39278	0.53404	0.000115757	Intragenic	NM_001134762	Tbc1d5
9	1972722	1972744	1	-0.054314	5	0.008	0.038	0.029355	0.08367	0.019059477	TSS	NM_001106880	Plcl2
9	3498658	3498733	1	-0.085632	5	0.01	0.039	0.094057	0.17969	0.02275947	Intragenic	NM_001013177	Sult1c2a
9	6513114	6513158	1	-0.205367	5	7.10E-06	0.00026	0.44898	0.65434	5.86E-05	Intergenic	NA	NA
9	6513695	6513763	1	-0.068981	5	0.0016	0.0092	0.061318	0.1303	0.005100053	Intergenic	NA	NA
9	6514006	6514044	1	-0.140871	5	0.0053	0.015	0.27195	0.41282	0.013591571	Intergenic	NA	NA
9	6514049	6514111	1	-0.122793	5	9.20E-06	0.00014	0.14986	0.27265	7.32E-05	Intergenic	NA	NA
9	6514654	6514772	1.80E-09	-0.115011	17	4.50E-14	5.60E-15	0.044354	0.15937	6.64E-12	Intergenic	NA	NA
9	6515062	6515246	1	0.143399	11	0.021	0.024	0.64205	0.52572	0.041207871	Intergenic	NA	NA
9	6515259	6515352	1	-0.093301	5	0.01	0.13	0.099881	0.19318	0.02275947	Intergenic	NA	NA
9	7412984	7413027	1	-0.066007	5	4.90E-07	7.60E-06	0.043487	0.10949	6.54E-06	Intergenic	NA	NA
9	8668099	8668262	1	-0.202442	7	0.0012	0.025	0.31647	0.51891	0.004013471	Intragenic	NM_012759	Vav1
9	8721660	8721888	0.0018	-0.263515	9	3.40E-09	5.70E-09	0.029768	0.29328	9.33E-08	Intragenic	NM_199399	Gpr108
9	8951911	8952051	1	-0.124677	5	0.015	0.024	0.15019	0.27487	0.031584896	Intergenic	NA	NA
9	8989178	8989298	1	-0.083474	5	0.00054	0.0054	0.08728	0.17075	0.002077867	TSS	NM_001106873	Slc25a23
9	9042429	9042555	0.00097	-0.25637	7	3.10E-10	3.00E-09	0.1244	0.38077	1.21E-08	Intragenic	NM_001007711	Gtf2f1
9	9278415	9278494	1	0.056551	5	0.023	0.039	0.93064	0.87409	0.04441443	Intragenic	NM_001106877	Rfx2
9	9309948	9310134	1	-0.11112	7	0.0092	0.072	0.1418	0.25292	0.021504843	Intergenic	NA	NA
9	9324500	9324670	1	-0.151028	5	0.0008	0.015	0.11879	0.26982	0.002866309	Intergenic	NA	NA
9	9447379	9447437	1	-0.229906	5	0.00017	0.0018	0.29455	0.52446	0.000806192	Intragenic	NM_022394	Safb
9	9450417	9450528	1	-0.192164	6	0.0042	0.0068	0.42211	0.61428	0.011250869	Intragenic	NM_022394	Safb

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	9530280	9530298	1	-0.11776	5	0.0063	0.024	0.18663	0.30439	0.015629046	TSS	NM_001024878	Znrf4
9	9576582	9576666	1	-0.186325	5	0.00048	0.0055	0.16568	0.352	0.001881331	TSS	NM_019140	Ptprs
9	9584249	9584328	1	-0.195596	7	5.60E-06	0.00029	0.20802	0.40361	4.84E-05	Intragenic	NM_019140	Ptprs
9	9626813	9626837	1	-0.063321	5	4.40E-05	0.0018	0.037925	0.10125	0.000263321	Intragenic	NM_019140	Ptprs
9	9626843	9627233	1.00E-09	-0.163757	25	4.40E-14	3.10E-15	0.10509	0.26885	6.64E-12	Intragenic	NM_019140	Ptprs
9	9885850	9886088	1	-0.12758	10	0.0069	0.054	0.36641	0.49399	0.01685311	Intergenic	NA	NA
9	10081770	10082107	1	-0.157043	12	3.50E-05	0.0053	0.26104	0.41809	0.000218038	TSS	NM_001108223	Shd
9	10096907	10096933	1	-0.05963	5	8.10E-06	7.00E-05	0.027878	0.087509	6.58E-05	Intragenic	NM_001109421	Ebi3
9	11276749	11276771	1	-0.068639	5	0.016	0.0093	0.83801	0.90665	0.033288089	Intergenic	NA	NA
9	11337054	11337114	0.019	-0.251552	10	2.70E-08	5.90E-08	0.07101	0.32256	6.01E-07	Intergenic	NA	NA
9	11340537	11340725	0.0026	-0.090642	22	4.30E-11	8.00E-09	0.091425	0.18207	2.08E-09	Intergenic	NA	NA
9	11340877	11340903	1	-0.054082	5	0.0019	0.024	0.07164	0.12572	0.005855937	Intergenic	NA	NA
9	11438363	11438393	1	-0.296249	5	1.90E-05	6.70E-05	0.51568	0.81193	0.000131674	Intergenic	NA	NA
9	11640020	11640383	1	-0.131182	7	0.0062	0.077	0.23226	0.36344	0.015570617	Intergenic	NA	NA
9	11866861	11866996	1	-0.189457	7	0.00011	0.00029	0.11091	0.30037	0.000565143	Intragenic	NM_001135011	Rftn1
9	11976298	11976356	1	-0.124614	5	0.017	0.058	0.52078	0.6454	0.034796287	Intergenic	NA	NA
9	12611040	12611088	1	-0.188703	5	1.50E-05	0.00052	0.11553	0.30424	0.000109113	Intergenic	NA	NA
9	12856526	12856638	1	-0.129461	5	0.0068	0.015	0.45474	0.5842	0.016642688	Intergenic	NA	NA
9	13008477	13008552	1	-0.143207	5	0.014	0.088	0.20138	0.34459	0.029850603	Intergenic	NA	NA
9	13240584	13240720	1	-0.174003	5	0.015	0.014	0.62591	0.79991	0.031584896	Intergenic	NA	NA
9	13343247	13344361	1	-0.114746	15	0.002	0.0067	0.20416	0.3189	0.006079939	Intergenic	NA	NA
9	13426449	13426633	1	-0.097955	9	3.40E-05	0.00033	0.06584	0.1638	0.000214477	Intragenic	NM_001106882	Unc5cl
9	13448106	13448480	1	-0.198226	5	0.0063	0.059	0.28887	0.48709	0.015629046	Intergenic	NA	NA
9	13883154	13883497	0.34	-0.095843	30	3.40E-12	1.10E-06	0.1009	0.19674	2.28E-10	Intergenic	NA	NA
9	14135161	14135280	1	-0.228174	5	2.20E-05	0.00027	0.20984	0.43801	0.000149617	Intragenic	NM_001025707	Tfeb
9	14218840	14218985	1	-0.189985	5	3.10E-05	0.00014	0.18714	0.37713	0.000197418	Intergenic	NA	NA
9	14499388	14499454	1	-0.128133	5	0.021	0.18	0.55131	0.67945	0.041207871	Intergenic	NA	NA
9	14612385	14612457	1	-0.245743	5	0.00017	0.0018	0.2811	0.52684	0.000806192	Intragenic	NM_001108199	Trerf1
9	14662495	14662616	1	-0.144878	5	0.0011	0.0055	0.17102	0.3159	0.003737263	Intergenic	NA	NA
9	14784693	14784758	1	-0.217132	5	0.0094	0.015	0.31518	0.53231	0.021723038	Intergenic	NA	NA
9	15063851	15064194	0.34	-0.095827	30	3.40E-12	1.10E-06	0.1009	0.19673	2.28E-10	Intragenic	NM_013021	Prph2
9	15545669	15545745	1	-0.090308	7	0.015	0.0034	0.71146	0.80176	0.031584896	Intergenic	NA	NA
9	15550344	15550432	0.18	-0.163992	7	9.20E-08	5.70E-07	0.021194	0.18519	1.63E-06	Intragenic	NM_001034136	Mrpl2
9	15569587	15569645	1	0.05793	8	0.003	0.037	0.090728	0.032798	0.008555055	TSS	NM_001106889	Ptk7
9	15569827	15569859	1	0.051345	5	0.0063	0.038	0.16141	0.11006	0.015629046	TSS	NM_001106889	Ptk7
9	15645841	15646002	1	-0.074831	5	0.0012	0.0018	0.05098	0.12581	0.004013471	Intragenic	NM_001109302	Srf
9	15925160	15925249	1	-0.095529	5	0.0049	0.015	0.43622	0.53175	0.012753585	Intergenic	NA	NA
9	16121123	16121269	1	-0.075243	12	0.00029	0.0006	0.065926	0.14117	0.001239307	TSS	NM_001108205	Rsph9
9	16376476	16376709	0.38	-0.309701	7	1.60E-07	1.20E-06	0.12089	0.43059	2.51E-06	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	16393464	16393553	1	-0.120483	5	0.00015	0.00028	0.064656	0.18514	0.000724207	Intergenic	NA	NA
9	16406183	16406246	1	-0.161823	5	0.011	0.037	0.52072	0.68254	0.02463877	Intergenic	NA	NA
9	16539192	16539251	1	-0.166093	5	0.019	0.059	0.37747	0.54356	0.038322088	Intergenic	NA	NA
9	16733693	16734614	5.60E-12	-0.137586	78	4.00E-14	1.70E-17	0.18098	0.31856	6.64E-12	TSS	NM_001191804	Tmem151b
9	16986044	16986154	1	-0.174175	5	0.0041	0.024	0.21813	0.3923	0.01100507	Intergenic	NA	NA
9	17059131	17059253	1	-0.148557	6	0.011	0.026	0.47268	0.62124	0.02463877	Intergenic	NA	NA
9	17097249	17097547	1	-0.195745	9	0.00018	0.0081	0.31051	0.50626	0.000849258	Intergenic	NA	NA
9	17764579	17764666	1	-0.135954	5	0.00019	0.0032	0.51164	0.64759	0.000879857	Intergenic	NA	NA
9	18198980	18199091	1	-0.179973	7	0.0011	0.012	0.51909	0.69906	0.003737263	Intragenic	NM_053603	Clic5
9	18210202	18210313	1	-0.179973	7	0.0011	0.012	0.51909	0.69906	0.003737263	Intragenic	NM_053603	Clic5
9	19151462	19151552	1	-0.186529	8	3.20E-08	9.60E-06	0.17674	0.36327	6.98E-07	Intragenic	NM_017228	Atn1
9	19284224	19284354	1	-0.149112	5	0.00029	0.00053	0.11978	0.26889	0.001239307	Intergenic	NA	NA
9	19320720	19320848	1	-0.137192	5	0.00012	0.0018	0.17796	0.31515	0.000603617	Intergenic	NA	NA
9	19376146	19376276	1	-0.104858	5	0.0063	0.0018	0.14606	0.25092	0.015629046	Intergenic	NA	NA
9	19390674	19390739	1	-0.123437	5	0.025	0.015	0.17845	0.30189	0.047453009	Intergenic	NA	NA
9	19446223	19446434	1	-0.097645	7	5.20E-05	9.70E-05	0.10708	0.20473	0.000303048	Intragenic	NM_001108207	Tnfrsf21
9	26324709	26324886	1	-0.085455	5	0.0094	0.024	0.73275	0.81821	0.021723038	Intragenic	NM_001024361	LOC501110
9	27247376	27247589	1	-0.078824	5	0.021	0.088	0.72484	0.80366	0.041207871	Intergenic	NA	NA
9	28453917	28454097	1	-0.149162	6	0.0065	0.04	0.18308	0.33224	0.016085358	Intergenic	NA	NA
9	29210531	29210654	1	-0.100714	5	0.02	0.058	0.68369	0.7844	0.039778219	Intergenic	NA	NA
9	33173279	33173415	1	-0.230981	5	2.90E-06	1.60E-05	0.37065	0.60163	2.84E-05	Intergenic	NA	NA
9	34010680	34010853	1	-0.170968	7	2.40E-06	9.10E-05	0.35431	0.52528	2.45E-05	Intergenic	NA	NA
9	35916591	35916821	1	-0.215938	5	0.00048	0.0018	0.22825	0.44419	0.001881331	Intragenic	NM_001108791	Phf3
9	36057442	36057490	1	-0.11337	5	0.00032	0.0055	0.04942	0.16279	0.001346443	Intergenic	NA	NA
9	36059202	36059385	0.34	-0.166072	7	1.90E-07	1.00E-06	0.18098	0.34705	2.92E-06	Intergenic	NA	NA
9	37646411	37646573	1	-0.239874	7	0.0011	0.0012	0.25751	0.49739	0.003737263	Intergenic	NA	NA
9	37774100	37774599	0.0011	-0.130046	18	1.30E-10	3.50E-09	0.11851	0.24856	5.70E-09	Intergenic	NA	NA
9	37782300	37782374	0.038	-0.347911	8	3.60E-10	1.20E-07	0.32665	0.67456	1.37E-08	Intergenic	NA	NA
9	38638803	38638841	1	-0.16534	5	0.00011	0.0018	0.10289	0.26824	0.000565143	Intergenic	NA	NA
9	38638847	38638910	0.019	-0.223608	8	2.50E-11	6.00E-08	0.36603	0.58964	1.27E-09	Intergenic	NA	NA
9	38871106	38871208	1	-0.214243	5	3.30E-06	0.00014	0.12495	0.33919	3.16E-05	Intergenic	NA	NA
9	40725421	40725532	1	-0.137573	5	0.0013	0.0031	0.22108	0.35865	0.004277683	Intergenic	NA	NA
9	40735160	40735458	1	-0.11282	11	0.021	0.29	0.41602	0.52884	0.041207871	Intragenic	NM_001108209	Prss40
9	40965451	40965527	0.0077	-0.204409	10	1.40E-11	2.40E-08	0.16368	0.36809	7.61E-10	Intergenic	NA	NA
9	42243841	42244370	0.027	-0.166207	19	8.00E-14	8.30E-08	0.1118	0.278	8.98E-12	Intergenic	NA	NA
9	42281333	42281546	1	-0.205079	6	1.80E-05	0.0027	0.16679	0.37186	0.000127015	Intragenic	NM_001108210	Hs6st1
9	42316042	42316179	1	-0.144184	7	0.00078	0.026	0.28285	0.42703	0.002840382	Intergenic	NA	NA
9	42338088	42338213	1	-0.148131	5	0.0029	0.0055	0.12024	0.26837	0.008293503	Intergenic	NA	NA
9	42549977	42550109	1	-0.179172	5	0.00029	0.0091	0.37533	0.5545	0.001239307	Intergenic	NA	NA

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	42698898	42699059	1	-0.130752	9	0.0013	0.0078	0.11985	0.2506	0.004277683	Intergenic	NA	NA
9	42739141	42739211	1	-0.16443	5	0.0016	0.0055	0.29842	0.46285	0.005100053	Intragenic	NM_001271050	Cnm4
9	42773266	42773376	1	-0.321481	5	3.10E-05	0.00028	0.12946	0.45095	0.000197418	TSS	NM_001108211	Ankrd23
9	42989838	42990193	1	-0.064144	20	0.01	0.11	0.1801	0.24424	0.02275947	Intragenic	NM_001012002	Zap70
9	43000012	43000239	1	-0.160805	8	0.0015	0.025	0.29241	0.45321	0.004849475	Intragenic	NM_001012002	Zap70
9	43200992	43201045	1	-0.143949	7	4.80E-05	0.0013	0.2803	0.42425	0.000285411	Intergenic	NA	NA
9	43895914	43896038	1	-0.242908	5	7.10E-06	3.50E-05	0.08877	0.33168	5.86E-05	Intergenic	NA	NA
9	44199431	44199720	1	-0.093466	13	0.0024	0.054	0.21475	0.30821	0.00705499	Intergenic	NA	NA
9	44276549	44276838	1	-0.093466	13	0.0024	0.054	0.21475	0.30821	0.00705499	Intergenic	NA	NA
9	44881895	44882085	1	-0.103187	7	0.0053	0.0083	0.15152	0.25471	0.013591571	Intragenic	NM_001191887	Aff3
9	44882420	44882610	1	-0.102778	7	0.0053	0.0083	0.15152	0.2543	0.013591571	Intragenic	NM_001191887	Aff3
9	44900223	44900276	1	-0.160237	5	7.10E-06	3.40E-05	0.62337	0.78361	5.86E-05	TSS	NM_001191887	Aff3
9	44985822	44985912	1	-0.101586	5	0.0014	0.025	0.097499	0.19908	0.004540837	Intergenic	NA	NA
9	45520467	45520654	1	-0.174806	5	0.00065	0.024	0.11619	0.291	0.002426546	Intergenic	NA	NA
9	46103259	46103498	1	-0.136377	7	0.017	0.076	0.21953	0.3559	0.034796287	Intergenic	NA	NA
9	46147790	46147958	1	-0.135745	9	0.005	0.0082	0.45351	0.58925	0.012977322	Intergenic	NA	NA
9	46224554	46224792	1	-0.254595	9	8.80E-08	0.00013	0.16783	0.42243	1.57E-06	Intergenic	NA	NA
9	46461284	46461391	1	-0.1389	9	0.0052	0.034	0.61966	0.75856	0.013458626	Intragenic	NM_001106904	Map4k4
9	46466211	46466398	1	-0.147989	7	6.80E-05	2.80E-05	0.20024	0.34823	0.000379896	Intragenic	NM_001106904	Map4k4
9	46527140	46527261	1	-0.111302	5	0.012	0.025	0.18813	0.29943	0.026435197	TSS	NM_053953	Il1r2
9	47341349	47341481	1	-0.110414	5	0.02	0.058	0.11646	0.22687	0.039778219	Intergenic	NA	NA
9	47573592	47573662	1	-0.124764	5	0.00023	0.015	0.15126	0.27602	0.00102405	Intergenic	NA	NA
9	49196113	49196191	1	-0.163275	5	0.0035	0.015	0.25063	0.4139	0.009686665	Intergenic	NA	NA
9	49592441	49592550	1	-0.209803	5	0.00021	0.0055	0.26365	0.47345	0.000951214	Intragenic	NM_031677	Fhl2
9	50155621	50155732	1	-0.090797	5	0.00048	0.024	0.04724	0.13804	0.001881331	Intergenic	NA	NA
9	53179464	53179592	1	-0.154357	7	0.0029	0.0034	0.53089	0.68525	0.008293503	Intragenic	NM_001013112	Hibch
9	54531389	54531446	1	-0.103949	5	3.90E-05	0.0032	0.069934	0.17388	0.000237659	Intergenic	NA	NA
9	56258684	56258725	1	-0.25709	7	4.50E-05	1.50E-05	0.50505	0.76214	0.000268503	Intergenic	NA	NA
9	60178901	60179007	1	-0.251776	5	0.00059	0.0055	0.27399	0.52577	0.002242971	Intragenic	NM_001108218	Hecw2
9	60987133	60987306	1	-0.090472	8	0.002	0.037	0.68802	0.77849	0.006079939	Intragenic	NM_001191807	Ankrd44
9	61783945	61783981	1	-0.057485	5	0.0014	0.015	0.0607	0.11819	0.004540837	TSS	NM_001113370	Boll
9	62238439	62238505	1	-0.182977	7	5.60E-06	0.0013	0.34656	0.52954	4.84E-05	Intergenic	NA	NA
9	62972370	62972429	1	-0.225621	5	3.50E-05	0.00051	0.29573	0.52135	0.000218038	Intergenic	NA	NA
9	63547119	63547254	1	-0.097952	5	0.0074	0.024	0.13964	0.23759	0.017853001	Intergenic	NA	NA
9	64377118	64377154	1	-0.057485	5	0.0014	0.015	0.0607	0.11819	0.004540837	TSS	NM_001113370	Boll
9	64610031	64610370	1	0.142543	11	0.00082	0.027	0.58762	0.44508	0.002936216	Intragenic	NM_001014102	Spats2l
9	65306813	65306969	0.048	-0.272214	6	2.80E-07	1.50E-07	0.1743	0.44651	4.09E-06	Intergenic	NA	NA
9	65344494	65344597	1	-0.216156	5	3.30E-06	1.60E-05	0.18579	0.40194	3.16E-05	Intragenic	NM_057138:NM_001033864	Cflar:Cflar

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	65372241	65372307	1	-0.162006	5	0.00088	0.015	0.13954	0.30154	0.003092094	Intragenic	NM_001033864	Cflar
9	65465296	65465528	1	-0.170986	5	0.023	0.13	0.35349	0.52448	0.04441443	Intragenic	NM_022277	Casp8
9	65570281	65570368	0.027	-0.139537	9	4.40E-11	8.30E-08	0.14329	0.28283	2.11E-09	TSS	NM_133560:NM_001109307	Trak2:Stradb
9	65845021	65845147	1	-0.119051	5	0.0074	0.059	0.66741	0.78646	0.017853001	Intergenic	NA	NA
9	65866652	65866821	1	-0.065434	8	0.011	0.051	0.12608	0.19152	0.02463877	Intergenic	NA	NA
9	69605967	69606055	1	-0.13323	5	0.0041	0.025	0.50214	0.63537	0.01100507	Intergenic	NA	NA
9	69675367	69675518	1	-0.205065	5	0.00032	0.0032	0.18557	0.39063	0.001346443	TSS	NM_001191809	Ino80d
9	69820577	69820838	1	-0.113647	11	0.012	0.076	0.62699	0.74064	0.026435197	Intergenic	NA	NA
9	69850529	69850793	0.38	-0.166992	11	6.30E-06	1.20E-06	0.18977	0.35676	5.33E-05	Intergenic	NA	NA
9	70719957	70720060	1	-0.194747	5	0.011	0.0031	0.19382	0.38857	0.02463877	Intergenic	NA	NA
9	71121710	71121795	1	-0.291229	7	5.30E-08	7.80E-06	0.24968	0.54091	1.08E-06	TSS	NM_173838	Fzd5
9	71121835	71121872	1	-0.170422	5	0.0038	0.0053	0.35556	0.52598	0.010352437	TSS	NM_173838	Fzd5
9	71121885	71121925	1	-0.157473	5	0.00044	0.0032	0.28984	0.44731	0.001760146	TSS	NM_173838	Fzd5
9	71250927	71250989	1	-0.084888	8	0.013	0.12	0.41297	0.49786	0.028097302	Intergenic	NA	NA
9	71383356	71383443	1	-0.162165	5	0.0068	0.024	0.20106	0.36322	0.016642688	Intergenic	NA	NA
9	79898773	79898850	1	-0.236403	5	0.0035	0.0087	0.31582	0.55222	0.009686665	Intragenic	NM_013122	Igfbp2
9	80925433	80925509	1	-0.061639	5	0.0063	0.038	0.062063	0.1237	0.015629046	Intergenic	NA	NA
9	80951602	80951701	1	-0.22355	5	0.00072	0.0031	0.13259	0.35614	0.002634665	Intergenic	NA	NA
9	81073382	81073710	1	-0.168616	5	5.00E-05	0.0018	0.030498	0.19911	0.000291675	Intragenic	NM_001191810	Tns1
9	81089668	81089879	1	-0.188907	5	0.00048	0.00052	0.027149	0.21606	0.001881331	Intragenic	NM_001191810	Tns1
9	81238696	81238797	1	-0.104865	5	0.008	0.039	0.56906	0.67393	0.019059477	Intergenic	NA	NA
9	81328344	81328397	1	-0.18092	5	0.0068	0.038	0.24397	0.42489	0.016642688	Intragenic	NM_001106920	Aamp
9	81807332	81807774	1	-0.181009	5	3.10E-05	0.00027	0.13239	0.3134	0.000197418	Intragenic	NM_001108226	Wnt6
9	81807976	81808024	1	-0.075183	5	0.0063	0.025	0.10995	0.18514	0.015629046	Intragenic	NM_001108226	Wnt6
9	81817991	81818064	1	-0.143971	5	0.0074	0.037	0.17148	0.31545	0.017853001	TSS	NM_001108227	Wnt10a
9	81829650	81829877	1	-0.104837	7	0.02	0.053	0.14899	0.25382	0.039778219	Intergenic	NA	NA
9	82141082	82141411	1	-0.210937	5	0.0049	0.0017	0.37166	0.5826	0.012753585	TSS	NM_001025745	Zfand2b
9	82189269	82189300	1	-0.081927	5	0.023	0.13	0.28881	0.37074	0.04441443	TSS	NM_001007004	Tuba4a
9	82340610	82340641	1	-0.113303	5	0.0019	0.009	0.18302	0.29632	0.005855937	TSS	NM_001108802	Speg
9	82405682	82405827	1	-0.178682	5	0.023	0.25	0.40702	0.5857	0.04441443	Intragenic	NM_001025056	Gmppa
9	82958054	82958105	1	-0.271305	5	4.40E-05	0.00098	0.28542	0.55672	0.000263321	Intragenic	NM_001162411	Epha4
9	83156796	83157403	1	-0.112891	22	0.0038	0.0055	0.55994	0.61409	0.010352437	Intergenic	NA	NA
9	83157423	83157476	1	-0.133165	5	0.0035	0.0053	0.58163	0.7148	0.009686665	Intergenic	NA	NA
9	84052003	84052085	1	-0.283358	5	0.0013	0.00052	0.31293	0.59629	0.004277683	Intragenic	NM_001191811	Sgpp2
9	84387604	84387685	1	-0.194825	5	0.012	0.056	0.35274	0.54757	0.026435197	Intergenic	NA	NA
9	86027026	86027448	1	-0.10903	14	0.00034	0.0043	0.57875	0.68778	0.001424609	Intergenic	NA	NA
9	86239593	86239685	1	-0.116041	5	0.0045	0.039	0.54957	0.66562	0.011905878	Intergenic	NA	NA
9	86400584	86400629	1	-0.203394	5	0.00029	0.00027	0.16811	0.3715	0.001239307	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	88152939	88153040	1	-0.095785	5	7.40E-07	7.60E-06	0.010525	0.10631	9.26E-06	Intragenic	NM_001135759	Col4a3
9	89005083	89005264	1	-0.111084	5	0.0074	0.086	0.60902	0.72011	0.017853001	Intergenic	NA	NA
9	92031374	92031601	1	-0.149692	6	0.00013	0.0045	0.13399	0.28369	0.000648758	Intergenic	NA	NA
9	92759430	92759536	1	-0.08543	5	0.011	0.015	0.17095	0.25638	0.02463877	TSS	NM_001108805	Spata3
9	93056598	93056702	1	-0.10259	5	0.016	0.088	0.15868	0.26127	0.033288089	TSS	NM_001012134	B3gnt7
9	93250001	93250051	1	-0.135461	5	3.90E-05	0.0018	0.095069	0.23053	0.000237659	Intergenic	NA	NA
9	93273341	93273394	0.00011	-0.265441	8	1.00E-11	3.40E-10	0.16742	0.43286	5.72E-10	TSS	NM_021740	Ptma
9	94116050	94116168	1	-0.081203	7	0.023	0.078	0.15423	0.23543	0.04441443	Intragenic	NM_001109310	Efhd1
9	94667362	94667431	1	0.101036	5	0.0008	0.015	0.73953	0.6385	0.002866309	Intragenic	NM_013023	Sag
9	95891102	95891173	1	-0.20225	5	0.00014	0.0032	0.18162	0.38387	0.000684451	Intergenic	NA	NA
9	95971863	95971934	1	-0.20225	5	0.00014	0.0032	0.18162	0.38387	0.000684451	Intragenic	NM_022693	Sh3bp4
9	95977116	95977213	1	-0.200616	5	0.019	0.024	0.1408	0.34142	0.038322088	Intragenic	NM_022693	Sh3bp4
9	96330082	96330142	0.0022	-0.279151	5	6.30E-08	6.70E-09	0.037629	0.31678	1.18E-06	Intergenic	NA	NA
9	96383106	96383228	1	-0.162355	7	0.0048	0.017	0.52315	0.68551	0.012663359	Intergenic	NA	NA
9	96536859	96537007	1	-0.087863	5	0.017	0.015	0.66304	0.7509	0.034796287	Intragenic	NM_001108230	Agap1
9	96584064	96584170	1	-0.130317	10	0.001	0.0041	0.51896	0.64928	0.003452169	Intragenic	NM_001108230	Agap1
9	96605654	96605879	0.34	-0.189588	10	1.20E-08	1.00E-06	0.14598	0.33557	2.88E-07	Intragenic	NM_001108230	Agap1
9	96754637	96754751	1	-0.050074	7	0.012	0.039	0.07664	0.12671	0.026435197	TSS	NM_053708	Gbx2
9	96765649	96765783	1	-0.139188	5	0.0058	0.088	0.10318	0.24236	0.014624129	Intergenic	NA	NA
9	96786361	96786628	1	-0.108807	7	0.015	0.037	0.24008	0.34888	0.031584896	Intragenic	NM_001108231	Asb18
9	96884824	96885224	1	-0.146451	5	0.0022	0.0018	0.12717	0.27362	0.006578104	Intergenic	NA	NA
9	97142844	97142912	1	-0.152467	5	0.0068	0.039	0.31016	0.46263	0.016642688	Intergenic	NA	NA
9	97500683	97500798	1	-0.190637	5	0.00072	0.015	0.12507	0.3157	0.002634665	Intergenic	NA	NA
9	97810288	97810635	1	-0.144009	5	0.00039	0.0018	0.123	0.26701	0.001587612	Intragenic	NM_001109363	Rab17
9	97821133	97821305	1	-0.067717	5	0.0094	0.024	0.070925	0.13864	0.021723038	Intergenic	NA	NA
9	97821311	97821376	1	-0.120473	7	0.00031	0.013	0.21884	0.33931	0.001320549	Intergenic	NA	NA
9	97886089	97886180	1	-0.185992	10	2.30E-07	0.00016	0.29679	0.48278	3.45E-06	Intragenic	NM_001014269	Lrrfip1
9	97961149	97961198	1	0.060278	5	0.0063	0.0018	0.96519	0.90491	0.015629046	Intergenic	NA	NA
9	98126083	98126396	1	-0.246076	9	2.50E-07	0.0002	0.14893	0.395	3.70E-06	Intragenic	NM_001007755	Scly
9	98134624	98134713	1	-0.202923	5	0.01	0.038	0.33782	0.54074	0.02275947	TSS	NM_001191812	Espnl
9	98136831	98136918	1	-0.136667	5	0.023	0.13	0.25938	0.39605	0.04441443	TSS	NM_001191812	Espnl
9	98184996	98185143	1	-0.350494	7	3.50E-07	1.60E-05	0.3334	0.68389	4.97E-06	Intergenic	NA	NA
9	98185210	98185292	1	-0.194088	5	0.023	0.18	0.40812	0.60221	0.04441443	Intergenic	NA	NA
9	98576276	98576409	1	-0.223285	5	1.30E-05	0.00053	0.22409	0.44737	9.66E-05	Intergenic	NA	NA
9	99316810	99316835	1.60E-08	-0.5287	9	3.40E-13	5.10E-14	0.089763	0.61846	3.00E-11	TSS	NM_182671:NM_199495	Ndufa10l1:Ndufa10
9	99862622	99862655	1	-0.073311	6	3.50E-06	6.40E-06	0.027287	0.1006	3.33E-05	Intragenic	NM_001009825	Ppp1r7
9	100842323	100842489	1	-0.166366	7	0.0017	0.018	0.40728	0.57364	0.005339493	Intergenic	NA	NA
9	101335696	101335840	1	0.166887	9	0.0071	0.046	0.81353	0.64665	0.017331038	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	101894782	101894867	1	0.286931	5	9.80E-05	6.90E-05	0.51843	0.2315	0.000512474	Intergenic	NA	NA
9	105124019	105124143	1	-0.17173	5	0.0053	0.0054	0.16404	0.33577	0.013591571	Intergenic	NA	NA
9	105975155	105975466	0.015	-0.267843	18	2.40E-11	4.70E-08	0.4144	0.68224	1.22E-09	Intergenic	NA	NA
9	106497624	106497724	1	-0.21928	9	0.00017	1.50E-05	0.51902	0.7383	0.000806192	Intergenic	NA	NA
9	109588527	109588567	1	-0.09273	5	0.017	0.058	0.70901	0.80174	0.034796287	Intergenic	NA	NA
9	109955704	109955758	1	0.057871	5	0.023	0.038	0.94427	0.8864	0.04441443	Intergenic	NA	NA
9	109969871	109969945	1	-0.202773	7	0.00026	0.018	0.34966	0.55243	0.001130807	Intergenic	NA	NA
9	110546762	110546957	1	-0.134369	5	0.0012	0.0054	0.19768	0.33205	0.004013471	Intergenic	NA	NA
9	110932003	110932094	1	-0.251003	5	2.20E-06	7.40E-06	0.31507	0.56607	2.27E-05	Intergenic	NA	NA
9	111454152	111454189	1	-0.134743	5	0.0049	0.015	0.16902	0.30376	0.012753585	Intergenic	NA	NA
9	111689532	111689756	1	-0.161964	8	1.30E-05	0.0017	0.09165	0.25361	9.66E-05	Intergenic	NA	NA
9	112405141	112405369	1	-0.145142	8	0.0041	0.017	0.23661	0.38175	0.01100507	Intergenic	NA	NA
9	113036123	113036196	1	-0.180712	5	0.013	0.18	0.45808	0.6388	0.028097302	TSS	NM_145094	Rab31
9	114013576	114013689	1	-0.281771	5	0.0013	0.038	0.3362	0.61797	0.004277683	Intergenic	NA	NA
9	114264175	114264224	1	-0.223426	5	0.00072	0.015	0.24262	0.46604	0.002634665	Intergenic	NA	NA
9	114392755	114392932	1	-0.180542	5	0.0049	0.024	0.26051	0.44105	0.012753585	Intragenic	NM_001168632	Ptprm
9	114450922	114451107	1	-0.134235	6	0.016	0.056	0.45656	0.59079	0.033288089	Intragenic	NM_001168632	Ptprm
9	115249411	115249714	1	-0.130832	13	2.20E-07	4.50E-05	0.14948	0.28031	3.32E-06	Intergenic	NA	NA
9	115444002	115444190	1.20E-07	-0.34293	10	2.00E-13	3.70E-13	0.026009	0.36894	1.91E-11	Intragenic	NM_001108237	Lama1
9	116334219	116334275	1	-0.133547	5	0.00059	0.00028	0.17881	0.31236	0.002242971	Intergenic	NA	NA
9	117000726	117000872	1	-0.150012	5	0.0087	0.058	0.26276	0.41277	0.020391633	Intergenic	NA	NA
9	118362726	118362876	1	-0.211471	5	1.30E-06	7.40E-06	0.060759	0.27223	1.46E-05	Intragenic	NM_022946:NM_001304287	Dlgap1:Dlgap1
9	118591412	118591588	1	-0.09561	8	0.016	0.037	0.38892	0.48453	0.033288089	Intragenic	NM_022946:NM_001304287	Dlgap1:Dlgap1
9	119664418	119664644	1	-0.10159	9	0.0011	0.0026	0.63905	0.74064	0.003737263	Intergenic	NA	NA
X	5897392	5897523	0.48	-0.215243	5	7.40E-07	1.50E-06	0.08943	0.30467	9.26E-06	Intergenic	NA	NA
X	7844053	7844103	1	-0.228556	7	3.70E-08	4.70E-06	0.090467	0.31902	7.87E-07	Intergenic	NA	NA
X	10997180	10997275	1	-0.054259	13	0.01	0.02	0.16071	0.21497	0.02275947	Intragenic	NM_001100967	Nyx
X	11185761	11185824	1	-0.09158	5	0.0094	0.024	0.7995	0.89108	0.021723038	Intergenic	NA	NA
X	11589318	11589475	1	-0.0985	6	0.001	0.011	0.049054	0.14755	0.003452169	Intergenic	NA	NA
X	12453057	12453145	1	-0.125369	5	0.0038	0.088	0.1389	0.26427	0.010352437	Intragenic	NM_001191586	Bcor
X	12482189	12482308	1	-0.203957	6	4.90E-07	6.20E-06	0.12189	0.32584	6.54E-06	Intragenic	NM_001191586	Bcor
X	16104565	16104676	1	-0.132675	5	0.02	0.015	0.61098	0.74365	0.039778219	Intragenic	NM_019279	Pcsk1n
X	16107887	16107940	1	-0.054964	8	0.00025	0.0038	0.02884	0.083804	0.001103692	TSS	NM_019279	Pcsk1n
X	16206372	16206483	1	-0.140876	5	0.014	0.015	0.60278	0.74365	0.029850603	Intragenic	NM_019279	Pcsk1n
X	16209694	16209747	1	-0.054825	8	0.00025	0.0038	0.028978	0.083804	0.001103692	TSS	NM_019279	Pcsk1n
X	16726748	16726933	0.085	-0.079643	9	1.40E-07	2.60E-07	0.0099942	0.089637	2.25E-06	Intergenic	NA	NA
X	20153410	20153494	1	-0.243453	5	0.00014	0.0017	0.13081	0.37426	0.000684451	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
X	21307976	21308023	1	-0.277955	5	5.50E-06	7.10E-05	0.13082	0.40877	4.78E-05	Intergenic	NA	NA
X	22418059	22418106	1	-0.278294	5	5.50E-06	7.10E-05	0.13253	0.41082	4.78E-05	Intergenic	NA	NA
X	22898999	22899081	1	-0.26511	5	0.0019	0.0018	0.34491	0.61002	0.005855937	Intergenic	NA	NA
X	25404507	25404637	1	-0.092619	5	0.019	0.087	0.69003	0.78265	0.038322088	Intergenic	NA	NA
X	28619745	28619800	1	-0.056607	5	0.025	0.25	0.83031	0.88692	0.047453009	Intergenic	NA	NA
X	29514564	29514619	1	-0.057226	5	0.023	0.25	0.83031	0.88754	0.04441443	Intergenic	NA	NA
X	32909340	32909417	1	-0.143307	5	0.0038	0.0017	0.29627	0.43958	0.010352437	Intergenic	NA	NA
X	35690981	35691204	1	-0.087455	9	0.0013	0.018	0.66138	0.74884	0.004277683	Intergenic	NA	NA
X	35816933	35817076	0.00014	-0.217824	13	1.90E-12	4.30E-10	0.13019	0.34801	1.36E-10	Intergenic	NA	NA
X	37911035	37911095	1	-0.084108	5	0.0013	0.0032	0.040793	0.1249	0.004277683	Intergenic	NA	NA
X	43884650	43884710	1	-0.073084	5	0.0041	0.0092	0.80479	0.87787	0.01100507	Intragenic	NM_001013960	Acot9
X	44166007	44166190	0.00052	-0.156891	14	5.80E-14	1.60E-09	0.058994	0.21588	7.11E-12	Intergenic	NA	NA
X	45785172	45785254	1	-0.284589	5	0.00097	0.0018	0.31363	0.59822	0.003366009	Intergenic	NA	NA
X	47771446	47771538	1	-0.117624	5	0.014	0.13	0.60865	0.72628	0.029850603	Intergenic	NA	NA
X	50546840	50546914	1	-0.226369	7	7.80E-05	0.012	0.57595	0.80232	0.000422981	Intergenic	NA	NA
X	58538761	58538908	1	-0.112129	7	0.00083	0.0022	0.63788	0.75001	0.002961434	Intergenic	NA	NA
X	58859892	58860002	1	-0.115605	5	0.0045	0.038	0.47666	0.59227	0.011905878	Intergenic	NA	NA
X	61781743	61781873	1	-0.134512	5	1.50E-05	0.00014	0.36118	0.49569	0.000109113	Intergenic	NA	NA
X	61898925	61899099	1	-0.152927	5	0.0063	0.015	0.54605	0.69898	0.015629046	Intergenic	NA	NA
X	62876135	62876300	1	-0.057891	5	0.011	0.13	0.75902	0.81691	0.02463877	Intergenic	NA	NA
X	64998621	64998735	1	-0.071885	8	2.30E-05	9.00E-05	0.023818	0.095703	0.000156153	Intergenic	NA	NA
X	67429219	67429349	1	-0.061171	5	0.023	0.088	0.064559	0.12573	0.04441443	Intergenic	NA	NA
X	69908088	69908273	1	-0.146113	7	0.01	0.054	0.2279	0.37401	0.02275947	Intergenic	NA	NA
X	69913963	69914403	1	-0.126621	7	0.0018	0.0021	0.19078	0.3174	0.005640313	Intergenic	NA	NA
X	70053124	70053159	1	-0.097878	5	0.00026	0.0018	0.11218	0.21006	0.001130807	Intergenic	NA	NA
X	70194758	70194942	1	-0.057378	5	0.0094	0.038	0.046576	0.10395	0.021723038	Intergenic	NA	NA
X	71468914	71469017	1	-0.091576	5	0.0068	0.038	0.15115	0.24273	0.016642688	TSS	NM_031639	Dlg3
X	72131098	72131225	1	-0.14232	10	1.30E-07	0.00016	0.14045	0.28277	2.11E-06	Intragenic	NM_017251	Gjb1
X	73290364	73290399	1	-0.127512	5	0.0022	0.0089	0.2724	0.39991	0.006578104	Intragenic	NM_022626	Phka1
X	73290478	73290512	1	-0.103338	5	0.0074	0.088	0.13324	0.23657	0.017853001	Intragenic	NM_022626	Phka1
X	76693546	76693758	1	-0.1056	11	0.022	0.057	0.61529	0.72089	0.043064669	Intergenic	NA	NA
X	78582782	78582864	1	-0.125742	5	0.00065	0.038	0.7074	0.83315	0.002426546	Intragenic	NM_001106938	Gpr174
X	78624051	78624133	1	-0.125899	5	0.00065	0.038	0.70731	0.83321	0.002426546	Intergenic	NA	NA
X	78772140	78772198	1	-0.112989	5	1.90E-05	3.40E-05	0.83786	0.95085	0.000131674	Intergenic	NA	NA
X	81173163	81173322	1	-0.103839	5	0.019	0.059	0.69036	0.7942	0.038322088	Intergenic	NA	NA
X	81276849	81276895	1	-0.093239	5	0.0094	0.13	0.64216	0.7354	0.021723038	Intergenic	NA	NA
X	81277282	81277424	1	-0.16683	7	0.00065	0.013	0.42279	0.58962	0.002426546	Intergenic	NA	NA
X	81281988	81282058	1	-0.155513	5	2.20E-05	7.00E-05	0.080074	0.23559	0.000149617	Intergenic	NA	NA
X	82392491	82392553	0.033	-0.062773	10	7.90E-08	1.00E-07	0.049796	0.11257	1.44E-06	TSS	NM_207595	Ankra2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
X	83197486	83197663	1	-0.117436	5	9.80E-05	0.0054	0.063471	0.18091	0.000512474	Intergenic	NA	NA
X	88078478	88078652	1	-0.136319	8	0.00039	9.10E-05	0.51928	0.65559	0.001587612	Intergenic	NA	NA
X	93028059	93028141	1	-0.095127	5	0.00032	0.015	0.76322	0.85834	0.001346443	Intragenic	NM_001271228	Pcdh11x
X	93376033	93376090	1	-0.136472	5	0.023	0.18	0.46941	0.60588	0.04441443	Intergenic	NA	NA
X	93654388	93654521	1	-0.094009	5	0.023	0.18	0.59488	0.68889	0.04441443	Intergenic	NA	NA
X	95245949	95246129	1	-0.110358	8	0.0012	0.018	0.62629	0.73664	0.004013471	Intergenic	NA	NA
X	96421260	96421298	1	-0.157195	6	1.90E-06	9.20E-05	0.78311	0.9403	2.01E-05	Intergenic	NA	NA
X	99310635	99310735	1	0.081411	5	0.012	0.059	0.77465	0.69324	0.026435197	Intergenic	NA	NA
X	100813640	100813735	0.089	-0.260173	5	1.30E-07	2.70E-07	0.5272	0.78737	2.11E-06	Intergenic	NA	NA
X	103953696	103953809	1	-0.124671	5	0.025	0.18	0.52662	0.65129	0.047453009	Intergenic	NA	NA
X	106591071	106591137	1	-0.179282	5	0.0032	0.0053	0.61546	0.79474	0.008990975	Intergenic	NA	NA
X	112723255	112723412	1	-0.158498	5	0.015	0.088	0.55161	0.71011	0.031584896	Intergenic	NA	NA
X	112783983	112784142	1	-0.125233	5	0.019	0.088	0.16624	0.29147	0.038322088	Intergenic	NA	NA
X	113674011	113674103	1	-0.108572	5	0.016	0.088	0.61958	0.72815	0.033288089	Intergenic	NA	NA
X	113803840	113803912	1	-0.062012	5	0.017	0.024	0.82508	0.88709	0.034796287	Intergenic	NA	NA
X	114106827	114106960	1	0.127033	7	0.018	0.078	0.74767	0.62064	0.036742993	Intragenic	NM_080898	Trpc5
X	114856540	114856681	1	-0.165396	5	0.019	0.024	0.21066	0.37606	0.038322088	Intragenic	NM_001013222	Rnd1
X	114955755	114955857	1	-0.19302	5	0.0008	0.0055	0.1984	0.39142	0.002866309	Intergenic	NA	NA
X	114960687	114960847	1	-0.135499	5	0.0016	0.024	0.17202	0.30752	0.005100053	Intragenic	NM_001108111	Wnt10b
X	115115526	115115605	1	-0.208575	5	0.016	0.0018	0.293	0.50157	0.033288089	Intergenic	NA	NA
X	115159568	115159869	1	-0.244077	5	0.014	0.014	0.23565	0.47973	0.029850603	Intergenic	NA	NA
X	115223331	115223471	1	-0.089428	6	0.0012	0.04	0.1324	0.22182	0.004013471	Intergenic	NA	NA
X	115231575	115232025	1	-0.170152	13	5.90E-06	0.00063	0.25658	0.42673	5.08E-05	Intergenic	NA	NA
X	115284028	115284064	1	-0.054877	5	0.002	0.015	0.084228	0.1391	0.006079939	Intergenic	NA	NA
X	115405721	115405851	1	-0.184264	10	1.20E-06	0.00025	0.30008	0.48434	1.37E-05	Intragenic	NM_017108	Kcnh3
X	115576138	115576597	1	-0.188424	16	3.10E-09	3.10E-06	0.2122	0.40062	8.60E-08	Intergenic	NA	NA
X	115875171	115875427	1	-0.082718	7	6.60E-06	0.00016	0.050215	0.13293	5.57E-05	TSS	NM_022215	Gpd1
X	115879423	115879579	1	-0.112016	12	3.70E-08	1.30E-05	0.063426	0.17544	7.87E-07	Intragenic	NM_022215	Gpd1
X	115935252	115935595	1	-0.06428	18	0.0011	0.038	0.15679	0.22107	0.003737263	Intragenic	NM_001191615	Lima1
X	116849759	116849860	1	-0.143526	5	0.00036	0.0093	0.43044	0.57397	0.001486639	Intergenic	NA	NA
X	116947781	116948132	1	-0.195706	5	5.00E-05	0.00014	0.099846	0.29555	0.000291675	Intergenic	NA	NA
X	119281685	119281969	0.0067	-0.217406	18	1.40E-10	2.10E-08	0.27545	0.49285	6.05E-09	Intergenic	NA	NA
X	119304770	119304816	2.20E-09	-0.108431	10	5.70E-14	6.90E-15	0.031627	0.14006	7.06E-12	Intergenic	NA	NA
X	119304841	119304861	0.49	-0.235326	5	1.80E-07	1.50E-06	0.079105	0.31443	2.78E-06	Intergenic	NA	NA
X	119678038	119678084	2.20E-09	-0.108431	10	5.70E-14	6.90E-15	0.031627	0.14006	7.06E-12	Intergenic	NA	NA
X	119678109	119678129	0.49	-0.235326	5	1.80E-07	1.50E-06	0.079105	0.31443	2.78E-06	Intergenic	NA	NA
X	123967382	123967747	0.28	-0.117096	12	9.90E-10	8.70E-07	0.1263	0.24339	3.30E-08	Intergenic	NA	NA
X	124121763	124121889	0.008	-0.125908	10	1.90E-10	2.50E-08	0.125	0.25091	7.85E-09	Intergenic	NA	NA
X	124155727	124155853	0.00053	-0.130095	11	1.60E-13	1.60E-09	0.092559	0.22265	1.56E-11	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
X	124228169	124228242	1	-0.171465	5	0.00014	0.0055	0.51665	0.68812	0.000684451	Intergenic	NA	NA
X	126932362	126932454	1	-0.117359	5	0.0049	0.088	0.65132	0.76868	0.012753585	Intergenic	NA	NA
X	131418871	131419011	0.0071	-0.083603	14	2.90E-11	2.20E-08	0.012702	0.096305	1.44E-09	TSS	NM_001107941	Dcaf12
X	132371247	132371385	1	-0.057721	7	0.00065	9.20E-05	0.75622	0.81395	0.002426546	Intergenic	NA	NA
X	134618040	134618286	1	-0.072822	15	0.0031	0.0049	0.15623	0.22906	0.008829746	Intergenic	NA	NA
X	134618799	134618899	0.76	-0.319565	7	4.90E-09	2.30E-06	0.222	0.54156	1.30E-07	Intergenic	NA	NA
X	135365781	135365885	1	-0.06736	7	0.015	0.077	0.106	0.17336	0.031584896	Intergenic	NA	NA
X	135725910	135726079	1	-0.13621	5	0.025	0.059	0.2188	0.35501	0.047453009	Intergenic	NA	NA
X	138460776	138460944	1	-0.205987	5	0.00014	0.00052	0.21911	0.4251	0.000684451	Intragenic	NM_001106949	Mbnl3
X	139524113	139524168	1	-0.134519	5	9.80E-05	0.003	0.30913	0.44365	0.000512474	Intergenic	NA	NA
X	141293634	141293703	1	-0.117757	7	0.0048	0.026	0.56185	0.6796	0.012663359	Intergenic	NA	NA
X	141294369	141294438	1	-0.223736	5	0.00017	0.0017	0.42197	0.64571	0.000806192	Intergenic	NA	NA
X	142319646	142319774	1	-0.122092	5	0.011	0.015	0.60325	0.72534	0.02463877	Intergenic	NA	NA
X	145482308	145482356	1	-0.065737	5	0.0049	0.088	0.74676	0.81249	0.012753585	Intergenic	NA	NA
X	152520742	152521060	1	-0.129249	9	0.00039	0.0056	0.12422	0.25346	0.001587612	Intergenic	NA	NA
X	153015262	153015580	1	-0.141185	9	0.00011	0.0017	0.11228	0.25346	0.000565143	Intergenic	NA	NA

Figure2A Kidney CRL

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	767170	767232	1	-0.072269	5	0.00036	0.00098	0.072517	0.14479	0.003505013	Intergenic	NA	NA
1	767239	767263	0.03	-0.159774	5	7.30E-08	1.10E-07	0.11222	0.272	4.94E-06	Intergenic	NA	NA
1	3666879	3667008	0.95	-0.083537	5	5.60E-07	3.40E-06	0.054863	0.1384	2.40E-05	Intragenic	NM_001107469	Zc3h12d
1	8678079	8678164	1	0.071088	7	0.012	0.018	0.85837	0.78728	0.042700096	Intragenic	NM_001025638	Stx11
1	8830123	8830272	1	-0.085384	7	0.00024	0.0083	0.077217	0.1626	0.002620118	Intergenic	NA	NA
1	8830759	8830980	0.45	-0.114614	10	9.90E-10	1.60E-06	0.032684	0.1473	1.18E-07	Intergenic	NA	NA
1	8857041	8857075	1	-0.109937	5	0.00017	0.00028	0.04731	0.15725	0.002036688	TSS	NM_012760	Plagl1
1	8857081	8857118	1	-0.106767	5	9.80E-05	0.00014	0.057921	0.16469	0.001307848	TSS	NM_012760	Plagl1
1	8857155	8857175	1	-0.092902	5	0.00026	0.0055	0.066476	0.15938	0.002784906	TSS	NM_012760	Plagl1
1	8857179	8857264	8.30E-08	-0.230453	9	1.20E-12	3.00E-13	0.19183	0.42228	3.41E-10	TSS	NM_012760	Plagl1
1	9541103	9541270	1	-0.091733	7	0.011	0.019	0.21619	0.30792	0.040408163	Intragenic	NM_001134425	Aig1
1	9669836	9669972	1	0.121373	5	0.0053	0.015	0.86827	0.7469	0.024662043	Intergenic	NA	NA
1	10084363	10084410	1	-0.181612	5	2.20E-05	0.0018	0.084221	0.26583	0.000427263	Intergenic	NA	NA
1	13453079	13453184	1	0.077614	9	4.80E-05	4.20E-05	0.92989	0.85228	0.000788953	Intergenic	NA	NA
1	13498483	13498501	1	-0.257848	5	9.80E-05	0.00098	0.18135	0.43919	0.001307848	TSS	NR_046238	Rn5-8s
1	13498720	13498733	1	-0.169177	5	0.0032	0.058	0.29274	0.46192	0.017454545	TSS	NR_046238	Rn5-8s
1	13500695	13500723	1	0.143296	5	7.80E-05	0.00053	0.3584	0.21511	0.001113424	TSS	NR_046238	Rn5-8s
1	13501725	13501743	1	-0.072928	5	0.00023	0.00099	0.1721	0.24503	0.002525893	TSS	NR_046238	Rn5-8s
1	13507030	13507288	5.10E-09	-0.148016	31	4.20E-14	1.80E-14	0.21405	0.36207	3.20E-11	TSS	NM_001025002	LOC310926

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	13507548	13507620	1	-0.084193	5	3.50E-05	0.0005	0.084775	0.16897	0.000606338	TSS	NM_001025002	LOC310926
1	13507676	13507726	1	-0.182074	5	4.30E-06	0.00014	0.070187	0.25226	0.000114978	TSS	NM_001025002	LOC310926
1	13507743	13507816	1	-0.153067	5	0.0014	0.015	0.10915	0.26222	0.00960223	TSS	NM_001025002	LOC310926
1	13551223	13551335	1	-0.07389	7	1.90E-05	0.0013	0.083105	0.157	0.000376935	Intergenic	NA	NA
1	13553493	13553727	7.20E-05	-0.102539	18	5.20E-14	2.60E-10	0.084576	0.18712	3.20E-11	Intergenic	NA	NA
1	13556494	13556936	1	-0.050674	41	2.70E-05	0.0071	0.14887	0.17834	0.000503182	Intergenic	NA	NA
1	13558858	13558888	1	0.137829	5	0.00021	0.0018	0.37216	0.23433	0.002348182	TSS	NR_046238	Rn5-8s
1	13558941	13558955	1	-0.074378	5	0.0068	0.13	0.29999	0.37437	0.029075319	TSS	NR_046238	Rn5-8s
1	13560781	13560794	1	-0.169833	5	0.0038	0.058	0.29653	0.46636	0.019583799	TSS	NR_046238	Rn5-8s
1	13560875	13560890	1	-0.073911	5	0.0038	0.015	0.18126	0.25517	0.019583799	TSS	NR_046238	Rn5-8s
1	13563364	13563381	1	-0.070186	5	0.015	0.024	0.27239	0.34258	0.049419643	Intergenic	NA	NA
1	15100080	15100185	1	0.086156	9	7.00E-05	4.20E-05	0.93069	0.84453	0.001035271	Intergenic	NA	NA
1	15787084	15787159	1	-0.055868	5	0.0053	0.059	0.038178	0.094046	0.024662043	TSS	NM_001106265	Perp
1	16384002	16384026	1	-0.376027	5	9.80E-07	7.60E-06	0.29213	0.66816	3.73E-05	Intergenic	NA	NA
1	16965268	16965313	1	-0.129346	6	0.00019	0.00095	0.055083	0.18443	0.002222187	Intragenic	NM_001277694	Map3k5
1	17240671	17240855	1	-0.059406	11	0.0035	0.02	0.053058	0.11246	0.018410549	Intragenic	NM_001106270	Map7
1	17278206	17278239	1	-0.22463	5	1.00E-05	7.10E-05	0.071544	0.29617	0.000218343	Intragenic	NM_001106270:NM	Map7:Map7
1	17280945	17281146	1	-0.129813	7	1.20E-05	0.0022	0.097983	0.2278	0.000257442	Intragenic	NM_001106270:NM	Map7:Map7
1	19095559	19095695	1	-0.164269	8	5.70E-06	0.001	0.64098	0.80525	0.000146063	Intragenic	NM_001029902	Ptprk
1	19164627	19164763	1	-0.131627	8	6.70E-05	0.0058	0.65919	0.79081	0.001013238	Intragenic	NM_001029902	Ptprk
1	19702042	19702201	1	-0.098471	5	0.01	0.023	0.58169	0.68016	0.037614679	Intergenic	NA	NA
1	20901081	20901151	1	-0.112843	5	0.008	0.0054	0.22056	0.33341	0.03243956	Intergenic	NA	NA
1	22345873	22345949	1	-0.169786	5	0.00015	0.0055	0.55129	0.72107	0.001835821	Intragenic	NM_001195606	Smlr1
1	22352358	22352446	1	-0.15375	7	0.00013	0.0022	0.55572	0.70947	0.001648454	Intragenic	NM_001195606	Smlr1
1	22452305	22452413	1	-0.086531	5	0.011	0.038	0.071022	0.15755	0.040408163	Intergenic	NA	NA
1	25725947	25726069	0.34	-0.122351	7	1.60E-06	1.20E-06	0.030447	0.1528	5.47E-05	Intergenic	NA	NA
1	25906068	25906129	1	-0.090235	5	0.0049	0.088	0.22376	0.314	0.023345384	Intergenic	NA	NA
1	26488686	26488837	1	-0.156395	7	0.0015	0.017	0.42626	0.58265	0.01019337	Intergenic	NA	NA
1	26519931	26520082	1	-0.156395	7	0.0015	0.017	0.42626	0.58265	0.01019337	Intergenic	NA	NA
1	32872113	32872135	1	-0.148007	5	0.002	0.039	0.37199	0.52	0.012269327	Intergenic	NA	NA
1	33161965	33161983	1	-0.240603	5	0.00011	0.0018	0.15392	0.39453	0.001431746	Intragenic	NM_012654	Slc9a3
1	34061624	34061702	1	-0.058284	7	0.0041	0.0081	0.030406	0.08869	0.020486121	Intragenic	NM_001107330	Irx4
1	39775996	39776066	1	0.151914	5	0.0063	0.088	0.83009	0.67817	0.027757612	Intergenic	NA	NA
1	42092181	42092299	1	-0.143931	5	0.00011	0.00095	0.08124	0.22517	0.001431746	Intergenic	NA	NA
1	42393694	42393825	1	0.087815	5	0.0087	0.0088	0.93433	0.84652	0.034705946	Intergenic	NA	NA
1	43150943	43151019	1	-0.165849	5	0.0008	0.0054	0.23608	0.40193	0.006267516	Intergenic	NA	NA
1	47606603	47606663	1	0.062151	5	0.011	0.025	0.95247	0.89032	0.040408163	Intergenic	NA	NA
1	48534479	48534551	1	-0.21658	5	0.00097	0.015	0.32484	0.54142	0.007223613	TSS	NM_001127560	Syt13
1	48888114	48888202	1	-0.1872	5	0.011	0.015	0.36785	0.55505	0.040408163	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	48951992	48952085	1	-0.190303	5	1.00E-05	1.60E-05	0.30031	0.49062	0.000218343	Intragenic	NM_001038615	Fndc1
1	49617744	49617826	1	-0.095123	5	0.013	0.0055	0.14066	0.23579	0.04506341	Intragenic	NM_001077677	Pacrg
1	50655421	50655513	1	-0.135039	5	8.80E-05	0.0032	0.12956	0.2646	0.00123	Intragenic	NM_020093	Park2
1	51576787	51577047	1	-0.074535	36	0.00029	0.0038	0.21775	0.26806	0.002984937	TSS	NM_012756	Igf2r
1	51577051	51577145	2.90E-05	-0.191723	17	4.20E-14	1.00E-10	0.10225	0.29397	3.20E-11	TSS	NM_012756	Igf2r
1	51577324	51577357	0.077	-0.082634	5	1.50E-06	2.70E-07	0.011781	0.094415	5.17E-05	TSS	NM_012756	Igf2r
1	52894408	52894596	1	0.051115	15	0.0087	0.022	0.87108	0.81996	0.034705946	TSS	NM_001106208	Pabpc6
1	53762155	53762204	1	-0.168051	5	0.00032	0.00053	0.25686	0.42491	0.003243956	Intragenic	NM_022236	Pde10a
1	55087438	55087622	1	-0.108657	5	0.0074	0.039	0.12139	0.23005	0.030871679	Intergenic	NA	NA
1	62762496	62762607	1	0.102839	5	0.0027	0.0092	0.96126	0.85842	0.015434547	Intergenic	NA	NA
1	63155793	63155854	1	0.082696	8	0.0059	0.068	0.36588	0.28318	0.02655	TSS	NM_001106219:NM	Prpf31:Tfpt
1	63547610	63547666	0.34	-0.332774	7	4.40E-08	1.20E-06	0.18027	0.51304	3.31E-06	Intergenic	NA	NA
1	63548184	63548253	1	-0.111923	5	0.0027	0.0031	0.57006	0.68199	0.015434547	Intergenic	NA	NA
1	65590568	65590710	1	-0.155005	8	0.00039	0.013	0.23471	0.38971	0.003723415	Intergenic	NA	NA
1	66343179	66343285	1	-0.126265	11	0.00044	0.00091	0.10373	0.23	0.0041	Intragenic	NM_001108470	Mzf1
1	68161386	68161540	1	-0.216371	8	0.00012	5.60E-06	0.57866	0.79503	0.00153218	Intragenic	NM_147135	Sbk1
1	70537351	70537407	0.34	-0.332774	7	4.40E-08	1.20E-06	0.18027	0.51304	3.31E-06	Intergenic	NA	NA
1	70537925	70537994	1	-0.11268	5	0.0024	0.0031	0.56972	0.6824	0.014124402	Intergenic	NA	NA
1	70714745	70714898	1	0.057038	5	0.015	0.039	0.95654	0.8995	0.049419643	Intergenic	NA	NA
1	70927517	70927630	0.83	-0.101733	12	6.80E-10	3.00E-06	0.072526	0.17426	8.63E-08	Intragenic	NM_001099472	Vom2r28
1	71778141	71778201	1	0.118173	5	0.0074	0.088	0.86721	0.74904	0.030871679	Intergenic	NA	NA
1	72727804	72727866	1	0.084284	5	0.0029	0.0055	0.94168	0.8574	0.016164653	Intergenic	NA	NA
1	72776396	72776605	0.008	-0.250318	16	7.10E-13	2.80E-08	0.19139	0.44171	2.10E-10	Intragenic	NM_001169143	Zfp444
1	72776722	72776771	1	-0.162221	5	0.0029	0.015	0.3743	0.53652	0.016164653	Intragenic	NM_001169143	Zfp444
1	74830283	74830497	1	-0.078932	5	0.0074	0.025	0.069349	0.14828	0.030871679	TSS	NM_001108469	Cdc42ep5
1	75622655	75622701	1	-0.064693	5	0.0008	0.0018	0.037397	0.10209	0.006267516	Intragenic	NM_001108467	Eps8l1
1	75825536	75825616	1	0.142023	8	3.60E-06	9.70E-06	0.7089	0.56687	0.000101405	Intragenic	NM_001127337	Brsk1
1	75990837	75990868	1	-0.158968	5	0.0013	0.0055	0.095481	0.25445	0.009111111	TSS	NM_001145175	Shisa7
1	76227753	76227788	1	-0.195913	5	7.80E-05	0.00014	0.05317	0.24908	0.001113424	TSS	NM_057136	Epn1
1	76949937	76949967	1	-0.057071	5	0.0041	0.015	0.081297	0.13837	0.020486121	Intergenic	NA	NA
1	79793247	79793275	1	-0.096831	5	0.0017	0.00014	0.13027	0.2271	0.011044014	Intragenic	NM_001271132	Arhgap35
1	79933629	79933701	1	-0.056867	5	0.0094	0.087	0.04932	0.10619	0.036473186	Intergenic	NA	NA
1	80024698	80024891	1	-0.120934	9	0.0093	0.034	0.28474	0.40568	0.036473186	Intragenic	NM_001013895	Prkd2
1	80058387	80058486	1	-0.089798	17	0.01	0.082	0.25325	0.30949	0.037614679	Intragenic	NM_001191947	Dact3
1	80171696	80171803	1	-0.150987	5	0.00088	0.00098	0.2745	0.42549	0.006722981	Intergenic	NA	NA
1	81172865	81172983	1	-0.084653	10	2.30E-07	0.0001	0.039676	0.12433	1.18E-05	TSS	NM_001107483	Irf2bp1
1	81265649	81265812	1	-0.278922	5	0.00072	0.00053	0.30924	0.58816	0.005769381	Intergenic	NA	NA
1	81596344	81596464	1	0.090472	13	0.0093	0.13	0.28674	0.19627	0.036473186	Intragenic	NM_012530	Ckm
1	81644708	81644779	1	-0.051651	7	0.0059	0.11	0.069277	0.12093	0.02655	Intergenic	NA	NA

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	81681762	81681850	1	-0.113621	13	5.70E-09	6.00E-06	0.085409	0.19903	5.61E-07	TSS	NM_001109410	Trappc6a
1	81698774	81698854	1	-0.052048	5	0.00054	0.0092	0.044961	0.097009	0.004710638	Intergenic	NA	NA
1	81762173	81762200	1	0.215338	5	0.0024	0.00053	0.53436	0.31902	0.014124402	Intragenic	NM_001024294	Clasrp
1	82436445	82436509	1	-0.074715	5	5.00E-05	7.10E-05	0.032831	0.10755	0.000803922	Intergenic	NA	NA
1	82500449	82500567	1	-0.095159	7	2.90E-05	0.0013	0.068413	0.16357	0.000525848	Intragenic	NM_001270701:NM_001270701	Kcnn4:Kcnn4:Kcnn4
1	82732896	82733109	1	-0.107246	5	0.00048	0.0054	0.022479	0.12972	0.004351843	TSS	NM_001191622	Phldb3
1	85302188	85302349	1	-0.100458	6	0.0034	0.011	0.11834	0.21879	0.018409391	Intergenic	NA	NA
1	85349714	85349940	1	-0.140717	12	0.00038	0.00021	0.2573	0.39802	0.00369	Intragenic	NM_001170336	Ltbp4
1	86025578	86025625	1	-0.134399	5	0.00011	0.0055	0.16358	0.29798	0.001431746	Intragenic	NM_030862	Marcks1
1	88371095	88371148	1	-0.066906	7	6.10E-06	5.30E-05	0.094959	0.16186	0.000154171	Intragenic	NM_198734:NM_001191622	Yif1b:Yif1b
1	88371840	88371919	0.42	-0.216596	5	2.80E-07	1.50E-06	0.06937	0.28597	1.37E-05	Intergenic	NA	NA
1	88743782	88743867	0.0025	-0.202555	10	1.30E-11	9.10E-09	0.098809	0.30136	2.74E-09	Intergenic	NA	NA
1	88743874	88744112	1	-0.109267	18	0.0041	0.056	0.25502	0.31803	0.020486121	Intergenic	NA	NA
1	88850676	88850761	0.0025	-0.202555	10	1.30E-11	9.10E-09	0.098809	0.30136	2.74E-09	Intergenic	NA	NA
1	88850806	88850861	1	-0.1034	5	0.014	0.039	0.21713	0.32053	0.04726441	Intergenic	NA	NA
1	88985966	88986035	1	-0.124516	5	0.0012	0.0091	0.13548	0.26	0.008573088	Intergenic	NA	NA
1	89196159	89196604	0.091	-0.09764	24	7.20E-12	3.30E-07	0.079343	0.17698	1.66E-09	Intergenic	NA	NA
1	89385545	89385614	1	-0.124516	5	0.0012	0.0091	0.13548	0.26	0.008573088	Intergenic	NA	NA
1	89927830	89928041	0.00066	-0.109606	15	5.30E-10	2.30E-09	0.040163	0.14977	7.24E-08	TSS	NM_001009283	Syne4
1	90154409	90154566	1	-0.136249	5	0.0058	0.015	0.22622	0.36247	0.026163814	Intragenic	NM_001127579	Proser3
1	90503590	90503661	1	-0.171233	5	0.0049	0.015	0.38072	0.55196	0.023345384	Intragenic	NM_017190	Mag
1	90524157	90524240	1	-0.156124	5	0.00065	0.0054	0.23055	0.38667	0.005335929	TSS	NM_053469	Hamp
1	90704604	90704708	1	-0.080052	6	0.005	0.082	0.081618	0.16167	0.023791103	TSS	NM_017112	Hpn
1	91231327	91231445	1	-0.18534	5	0.00088	0.0053	0.13683	0.32217	0.006722981	Intragenic	NM_207592	Gpi
1	91553375	91553473	1	-0.192059	5	0.00017	0.0017	0.19392	0.38598	0.002036688	Intergenic	NA	NA
1	91682090	91682148	1	0.214069	7	0.0014	0.013	0.61039	0.39632	0.00960223	Intragenic	NM_001107504	Chst8
1	91760132	91760469	1	-0.11716	16	1.40E-06	0.00057	0.18167	0.29883	4.97E-05	Intragenic	NM_001107504	Chst8
1	92094530	92094741	0.00064	-0.109009	15	5.90E-10	2.30E-09	0.041074	0.15008	7.78E-08	TSS	NM_001009283	Syne4
1	99771929	99771952	1	-0.068698	5	0.014	0.088	0.12203	0.19073	0.04726441	Intergenic	NA	NA
1	99774606	99774629	1	-0.068005	5	0.015	0.13	0.12272	0.19073	0.049419643	Intergenic	NA	NA
1	100519714	100519836	1	0.130005	11	0.015	0.015	0.67767	0.54767	0.049419643	Intergenic	NA	NA
1	100701452	100701489	1	-0.165955	5	0.008	0.015	0.38975	0.5557	0.03243956	Intergenic	NA	NA
1	101675255	101675300	1	0.10128	5	0.01	0.13	0.49702	0.39574	0.037614679	Intragenic	NM_001100690	Myh14
1	102524940	102525030	1	-0.149518	5	0.008	0.039	0.16658	0.3161	0.03243956	Intragenic	NM_001109615	Gys1
1	102528718	102528837	1	-0.116693	10	0.00076	0.0033	0.36882	0.48552	0.006057019	TSS	NM_022500	Ftl1
1	102618863	102618952	1	-0.139301	5	0.0027	0.015	0.077239	0.21654	0.015434547	TSS	NM_001191111	Hsd17b14
1	102700200	102700243	1	-0.0968	5	7.00E-05	0.00028	0.034127	0.13093	0.001035271	Intragenic	NM_001106261	Rasip1
1	102866682	102866711	1	-0.069847	5	0.0063	0.088	0.054477	0.12432	0.027757612	Intergenic	NA	NA
1	102880876	102880997	1	-0.198325	5	0.00036	0.00098	0.1659	0.36423	0.003505013	TSS	NM_053911	Cyth2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	104183782	104184060	1	-0.067752	10	0.00059	0.038	0.08096	0.14871	0.005010587	Intergenic	NA	NA
1	105767486	105767653	1	-0.146493	8	0.00087	0.0086	0.18833	0.33482	0.006722981	Intragenic	NM_138529	Nav2
1	115711493	115711654	1	0.056809	7	0.013	0.012	0.93358	0.87677	0.04506341	Intragenic	NM_001271493	LOC100365773
1	116238885	116238984	0.14	-0.101256	9	1.80E-07	4.90E-07	0.065382	0.16664	9.99E-06	TSS	NR_130147	Tug1
1	116533685	116533789	1	-0.122715	5	0.0074	0.015	0.1516	0.27432	0.030871679	Intergenic	NA	NA
1	118075353	118075415	1	0.084284	5	0.0029	0.0055	0.94168	0.8574	0.016164653	Intergenic	NA	NA
1	123905045	123905089	1	0.153162	5	0.011	0.015	0.79458	0.64142	0.040408163	Intergenic	NA	NA
1	124201260	124201329	1	-0.250537	5	0.00097	0.0018	0.19206	0.4426	0.007223613	Intergenic	NA	NA
1	124201828	124201867	1	-0.070676	7	0.00043	0.0033	0.068643	0.13932	0.004073684	Intergenic	NA	NA
1	124237833	124237891	1	0.06079	5	0.00044	0.00052	0.10539	0.044598	0.0041	TSS	NM_001170562	Peg12
1	127249949	127250088	1	-0.137612	5	0.0014	0.0005	0.11766	0.25528	0.00960223	Intragenic	NM_001106266	Tjp1
1	128203688	128203820	1	-0.079865	5	0.0074	0.0092	0.070871	0.15074	0.030871679	Intergenic	NA	NA
1	130001587	130001661	1	-0.064932	5	0.013	0.024	0.14646	0.21139	0.04506341	Intragenic	NM_052807	Igf1r
1	130066122	130066217	1	-0.120501	5	0.00054	0.0018	0.081668	0.20217	0.004710638	Intragenic	NM_052807	Igf1r
1	132491076	132491124	1	-0.087375	5	0.0013	0.0054	0.052656	0.14003	0.009111111	Intragenic	NM_080778	Nr2f2
1	137058773	137058869	1	-0.104767	6	0.011	0.018	0.65125	0.75602	0.040408163	Intragenic	NM_177481	Slco3a1
1	141829371	141829462	1	0.051594	5	0.0013	0.58	0.054165	0.0025709	0.009111111	TSS	NM_001040186:NM	Mfge8:Mfge8
1	142407452	142407496	1	-0.090032	8	0.0052	0.12	0.16191	0.25194	0.024631579	Intergenic	NA	NA
1	142522652	142522932	1	-0.120987	10	0.0051	0.015	0.20644	0.32743	0.024220077	Intragenic	NM_031012	Anpep
1	143139310	143139403	1	-0.128881	5	0.011	0.0092	0.3311	0.45998	0.040408163	Intragenic	NM_019331	Furin
1	143412868	143412913	1	0.071866	5	0.0016	0.0018	0.95133	0.87946	0.010628263	Intergenic	NA	NA
1	143834001	143834197	1	-0.142272	6	0.003	0.058	0.13242	0.27469	0.01668425	Intragenic	NM_001191895	Alpk3
1	144111876	144111965	0.85	-0.126993	8	1.70E-05	3.00E-06	0.33615	0.46314	0.000342787	TSS	NM_017152	Rps17
1	145762533	145762607	1	-0.137234	5	0.00088	0.0054	0.16138	0.29862	0.006722981	Intragenic	NM_001191626	Mex3b
1	151966549	151966905	0.73	-0.051412	30	3.40E-06	2.60E-06	0.057164	0.10858	9.73E-05	Intergenic	NA	NA
1	151967401	151968328	1	-0.087799	92	6.90E-06	7.90E-06	0.12752	0.20511	0.000166957	Intergenic	NA	NA
1	151970271	151970429	6.70E-06	-0.157327	23	4.30E-14	2.40E-11	0.097649	0.25498	3.20E-11	Intergenic	NA	NA
1	151970993	151971042	1	-0.097386	5	0.00088	0.0018	0.087886	0.18527	0.006722981	Intergenic	NA	NA
1	151971946	151971965	1	-0.117958	5	0.008	0.088	0.19273	0.31068	0.03243956	Intergenic	NA	NA
1	151972199	151972263	1	-0.244277	5	2.40E-05	7.10E-05	0.068351	0.31263	0.000455321	Intergenic	NA	NA
1	151975018	151975089	1	-0.190456	7	0.00045	0.00048	0.2513	0.44176	0.00418262	Intergenic	NA	NA
1	153406766	153406794	1	-0.057342	5	0.00072	0.0018	0.0011111	0.058453	0.005769381	Intergenic	NA	NA
1	160425078	160425187	1	-0.120044	5	0.0087	0.025	0.56354	0.68359	0.034705946	Intergenic	NA	NA
1	160436337	160436392	1	-0.101256	5	0.00036	0.0018	0.36994	0.4712	0.003505013	Intergenic	NA	NA
1	162695295	162695362	1	-0.136502	5	0.0041	0.025	0.76643	0.90293	0.020486121	Intragenic	NM_022282	Dlg2
1	163320060	163320254	1	-0.071888	6	0.0057	0.018	0.036008	0.1079	0.026163814	Intragenic	NM_022282	Dlg2
1	169351237	169351277	1	-0.089042	5	0.0053	0.0053	0.096747	0.18579	0.024662043	Intragenic	NM_001106211	B3gnt6
1	170628081	170628186	1	-0.075841	7	0.0096	0.019	0.09177	0.16761	0.037112624	Intergenic	NA	NA
1	172724774	172724927	1	-0.110393	5	0.0074	0.0054	0.1158	0.2262	0.030871679	TSS	NM_001143847	Pde2a

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	172770158	172770211	1	-0.133189	5	0.0029	0.0055	0.17231	0.3055	0.016164653	Intragenic	NM_001143847:NM_001143847	Pde2a:Pde2a:P
1	175549874	175550016	1	-0.176363	7	0.0012	0.003	0.20636	0.38272	0.008573088	TSS	NM_001170461	Trim6
1	178423820	178423927	1	-0.092633	19	2.70E-07	7.00E-05	0.073473	0.16611	1.34E-05	Intergenic	NA	NA
1	179081519	179081646	1	-0.114232	7	0.00013	0.0052	0.79796	0.91219	0.001648454	Intergenic	NA	NA
1	180561762	180561845	1	0.090215	5	0.015	0.024	0.83322	0.743	0.049419643	Intergenic	NA	NA
1	180823004	180823165	1	-0.055125	9	0.0014	0.0041	0.042424	0.097549	0.00960223	Intergenic	NA	NA
1	181040304	181040363	1	-0.077615	5	3.90E-05	0.00027	0.017129	0.094744	0.000661655	Intergenic	NA	NA
1	182856914	182857081	1	-0.100034	5	0.0027	0.015	0.068729	0.16876	0.015434547	Intergenic	NA	NA
1	184998337	184998527	1	-0.118689	5	0.0049	0.0093	0.066229	0.18492	0.023345384	Intergenic	NA	NA
1	192518589	192518665	1	-0.094902	5	0.012	0.0092	0.097674	0.19258	0.042700096	Intergenic	NA	NA
1	192601030	192601179	1	-0.184363	6	0.00084	0.0044	0.1426	0.32697	0.006539241	Intergenic	NA	NA
1	196600057	196600143	0.8	-0.103375	11	3.00E-10	2.80E-06	0.073048	0.17642	4.34E-08	TSS	NM_001276487:NM_001276487	Lyrm1:Dcun1d3
1	204451210	204451267	1	-0.296616	5	1.70E-06	7.50E-06	0.23954	0.53615	5.73E-05	Intergenic	NA	NA
1	204661257	204661490	1	-0.094742	18	0.00019	0.0021	0.23808	0.33282	0.002222187	Intergenic	NA	NA
1	204877038	204877280	0.7	-0.080312	15	1.80E-09	2.50E-06	0.033273	0.11359	2.08E-07	Intergenic	NA	NA
1	205268056	205268149	1	-0.286561	5	7.00E-05	0.00014	0.40174	0.6883	0.001035271	Intragenic	NM_022937:NM_022937	Doc2a:Ino80e
1	205429580	205429650	1	-0.13234	5	0.014	0.015	0.36256	0.4949	0.04726441	TSS	NM_022715:NM_022715	Mvp:Pagr1
1	205894083	205894258	1	-0.147078	5	0.0058	0.0031	0.1587	0.30578	0.026163814	Intragenic	NM_173330	Zfp689
1	206396406	206396451	0.013	-0.119671	5	6.50E-07	4.50E-08	0.0019489	0.12162	2.73E-05	Intragenic	NM_138836	Prss8
1	208264435	208264703	1	-0.081695	5	0.0063	0.015	0.05439	0.13609	0.027757612	Intragenic	NM_001004415:NM_001004415	Tacc2:Tacc2
1	208559488	208559674	1	-0.117355	5	0.0049	0.0055	0.067703	0.18506	0.023345384	Intragenic	NM_031721	Htra1
1	209703724	209703918	1	-0.084731	5	0.0063	0.015	0.10618	0.19091	0.027757612	Intergenic	NA	NA
1	210598569	210598728	1	-0.08932	5	0.015	0.039	0.060607	0.14993	0.049419643	Intergenic	NA	NA
1	210975273	210975351	1	0.055822	7	0.00099	0.0014	0.099104	0.043282	0.007357704	TSS	NM_138841	Gpr26
1	210975440	210975489	1	-0.05502	5	0.0058	0.038	0.055492	0.11051	0.026163814	TSS	NM_138841	Gpr26
1	215593911	215594014	1	-0.070513	5	0.012	0.0018	0.076006	0.14652	0.042700096	Intergenic	NA	NA
1	220655872	220655964	1	-0.066235	7	0.00026	0.0022	0.0584	0.12463	0.002784906	Intergenic	NA	NA
1	220807705	220807968	1	-0.08705	9	2.30E-07	4.80E-06	0.016336	0.10339	1.18E-05	TSS	NM_001106315	Pkp3
1	220924574	220924659	1	-0.08379	5	0.00065	0.0032	0.10597	0.18976	0.005335929	Intragenic	NM_001127541	Cracr2b
1	220925077	220925206	1	-0.107596	8	3.90E-06	0.00025	0.20826	0.31585	0.000108203	TSS	NM_022523	Cd151
1	221245364	221245467	1	-0.116778	5	1.30E-05	0.00014	0.057339	0.17412	0.000273333	Intergenic	NA	NA
1	221361363	221361448	1	-0.082286	5	0.00097	0.0032	0.10747	0.18976	0.007223613	Intragenic	NM_001127541	Cracr2b
1	221361902	221361995	1	-0.121509	5	5.60E-05	0.00014	0.19486	0.31637	0.000873742	TSS	NM_022523	Cd151
1	221944254	221944394	1	-0.05472	14	0.0014	0.037	0.090529	0.14525	0.00960223	Intragenic	NM_001108510	Dusp8
1	222193964	222194057	1	-0.081036	7	4.80E-06	9.10E-05	0.011575	0.092612	0.000126064	TSS	NM_021868	Cttn
1	222535075	222535103	1	-0.118541	5	0.0053	0.0054	0.24079	0.35933	0.024662043	Intragenic	NM_001025420	Lsp1
1	222735960	222736001	1	0.115619	5	0.0035	0.0055	0.12147	0.0058459	0.018410549	Intergenic	NA	NA
1	223360305	223360519	1	-0.14615	11	6.90E-06	4.10E-06	0.31372	0.45987	0.000166957	Intragenic	NM_032073	Kcnq1
1	224494359	224494452	1	-0.084162	7	1.70E-06	5.10E-05	0.0084491	0.092612	5.73E-05	TSS	NM_021868	Cttn

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	224702418	224702619	1	-0.057024	11	0.0019	0.076	0.10066	0.15769	0.011943782	Intragenic	NM_001107564	Ano1
1	226719747	226719780	1	0.103076	7	0.011	0.055	0.55769	0.45461	0.040408163	TSS	NM_001109508	Lrfn4
1	227293376	227293607	1	-0.064794	13	0.0017	0.0035	0.11511	0.1799	0.011044014	TSS	NM_001106325	Cd248
1	227377857	227378088	1	-0.060794	13	0.0074	0.044	0.11964	0.18044	0.030871679	TSS	NM_001106325	Cd248
1	227812253	227812391	1	-0.101449	7	0.00054	0.0083	0.13469	0.23614	0.004710638	Intergenic	NA	NA
1	227862052	227862126	0.43	-0.095579	5	6.50E-07	1.50E-06	0.010697	0.10628	2.73E-05	Intragenic	NM_001107572	Ovo1
1	227944748	227944818	1	-0.059448	5	0.0027	0.0055	0.030618	0.090066	0.015434547	Intragenic	NM_001004089	Sipa1
1	228541451	228541520	1	-0.119601	5	9.20E-06	7.60E-06	0.018657	0.13826	0.000206371	TSS	NM_181379	Ppp2r5b
1	228587745	228587814	1	-0.119601	5	9.20E-06	7.60E-06	0.018657	0.13826	0.000206371	TSS	NM_181379	Ppp2r5b
1	228697916	228698248	1	-0.080697	9	0.0099	0.0031	0.19504	0.27573	0.037614679	TSS	NM_001106329	Map4k2
1	229103855	229103938	1	-0.175811	5	0.012	0.087	0.51629	0.6921	0.042700096	Intergenic	NA	NA
1	229354342	229354489	1	-0.123082	5	0.00054	0.0032	0.051563	0.17464	0.004710638	Intragenic	NM_139337	Macrodl
1	229365160	229365235	1	-0.124569	7	0.00024	4.70E-06	0.043791	0.16836	0.002620118	Intragenic	NM_139337	Macrodl
1	229376906	229377097	1	-0.061618	5	0.0011	0.0018	0.029242	0.09086	0.007982301	Intragenic	NM_139337	Macrodl
1	229440360	229440396	1	-0.193572	5	3.70E-06	3.30E-05	0.10641	0.29998	0.000103825	Intragenic	NM_139337	Macrodl
1	229509267	229509305	1	-0.081524	5	0.0013	0.015	0.10289	0.18441	0.009111111	Intergenic	NA	NA
1	229660000	229660204	1	-0.141379	18	0.0024	0.01	0.40767	0.54905	0.014124402	TSS	NM_001109161	RGD1560108
1	229660825	229660900	1	-0.231369	8	4.50E-07	9.80E-06	0.59888	0.83025	1.98E-05	TSS	NM_001109161	RGD1560108
1	229660994	229661059	1	-0.169044	5	0.0063	0.037	0.2894	0.45844	0.027757612	TSS	NM_001109161	RGD1560108
1	229661462	229661535	0.17	-0.133572	14	3.30E-08	6.00E-07	0.11338	0.24696	2.68E-06	TSS	NM_001109161	RGD1560108
1	229661536	229661569	1	-0.138029	5	5.60E-05	0.0018	0.1206	0.25863	0.000873742	TSS	NM_001109161	RGD1560108
1	229661684	229661933	1	-0.1155	24	5.50E-06	0.00066	0.17694	0.30425	0.000141923	TSS	NM_001109161	RGD1560108
1	229662037	229662078	1	-0.137036	5	0.0035	0.0092	0.16771	0.30475	0.018410549	Intragenic	NM_001109161	RGD1560108
1	229662081	229662121	1	-0.104152	5	0.011	0.058	0.1243	0.22845	0.040408163	Intragenic	NM_001109161	RGD1560108
1	229964220	229964350	1	0.103949	5	0.014	0.058	0.78416	0.68021	0.04726441	Intragenic	NM_173302	Slc22a24
1	231399998	231400305	1	-0.055304	16	3.90E-07	9.40E-05	0.057709	0.11301	1.81E-05	Intragenic	NM_134380	Ust5r
1	231762983	231763590	1	-0.123695	9	0.00011	0.0017	0.096251	0.21995	0.001431746	TSS	NM_017224	Slc22a6
1	234164778	234164944	1	-0.089913	8	0.0042	0.094	0.60744	0.69735	0.020943243	Intergenic	NA	NA
1	235447215	235447270	1	-0.228634	7	3.20E-05	0.0054	0.37746	0.60609	0.000564976	Intergenic	NA	NA
1	237004923	237005126	1	-0.119239	11	6.30E-06	0.00062	0.17898	0.29822	0.000156545	Intergenic	NA	NA
1	240284163	240284210	1	-0.115059	5	0.0058	0.024	0.16226	0.27732	0.026163814	Intergenic	NA	NA
1	240297373	240297420	1	-0.117512	5	0.0045	0.024	0.15981	0.27732	0.021964286	Intergenic	NA	NA
1	241849384	241849401	0.032	-0.158421	5	2.10E-07	1.10E-07	0.11945	0.27787	1.11E-05	TSS	NM_001024292:NM	Nmrk1:Ostf1
1	244197592	244197739	1	-0.160844	5	0.0008	0.0092	0.14194	0.30278	0.006267516	Intergenic	NA	NA
1	247973974	247974023	0.92	-0.094792	5	3.30E-06	3.30E-06	0.027851	0.12264	9.48E-05	Intragenic	NM_001191562	Trpm3
1	248216719	248216909	1	-0.089541	7	0.0062	0.0079	0.15082	0.24036	0.027757612	Intragenic	NM_057211	Klf9
1	252048616	252048658	1	0.052054	5	0.00023	0.00053	0.99825	0.94619	0.002525893	Intergenic	NA	NA
1	259018037	259018181	1	-0.072595	7	0.00093	0.0013	0.079734	0.15233	0.007046612	Intergenic	NA	NA
1	259772765	259772840	1	-0.171257	5	0.00015	0.0054	0.14043	0.31169	0.001835821	TSS	NM_031004	Acta2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	260158264	260158311	1	-0.11512	5	0.0074	0.038	0.66983	0.78495	0.030871679	Intergenic	NA	NA
1	261676059	261676109	1	0.102451	5	0.011	0.038	0.83132	0.72887	0.040408163	Intergenic	NA	NA
1	262730193	262730313	1	0.17249	5	0.00039	0.0017	0.90237	0.72988	0.003723415	Intergenic	NA	NA
1	264303029	264303119	1	-0.171701	5	0.0027	0.024	0.64131	0.81301	0.015434547	TSS	NM_001108522	Pde6c
1	266474985	266475748	1	-0.102675	15	2.40E-06	3.30E-05	0.12211	0.22478	7.47E-05	Intergenic	NA	NA
1	266936600	266936689	1	-0.085399	5	0.00054	0.00053	0.019608	0.10501	0.004710638	Intergenic	NA	NA
1	267053083	267053846	1	-0.095955	15	8.30E-06	0.00015	0.12707	0.22303	0.000194457	Intergenic	NA	NA
1	268146586	268147095	1	-0.059369	11	0.0002	0.0056	0.060079	0.11945	0.002324409	Intergenic	NA	NA
1	269038651	269038798	1	-0.129661	7	0.0065	0.012	0.24717	0.37684	0.028502674	Intragenic	NM_134401	Crtac1
1	269116628	269116687	1	-0.056013	5	0.008	0.038	0.057431	0.11344	0.03243956	Intragenic	NM_134401	Crtac1
1	269427715	269427858	0.67	-0.253224	7	2.60E-06	2.40E-06	0.13424	0.38746	7.93E-05	Intragenic	NM_001004261	Pyroxd2
1	269441758	269441922	1	-0.064616	6	0.00078	0.018	0.045482	0.1101	0.006209709	Intragenic	NM_040669	Hps1
1	270497305	270497376	1	-0.181911	5	0.00048	0.0018	0.13948	0.32139	0.004351843	Intragenic	NM_001135762	Hpse2
1	270498112	270498183	1	-0.181911	5	0.00048	0.0018	0.13948	0.32139	0.004351843	Intragenic	NM_001135762	Hpse2
1	270694462	270694617	1	-0.185229	7	9.60E-05	0.00045	0.20054	0.38576	0.001307848	Intragenic	NM_012571	Got1
1	270733967	270733999	1	-0.149607	5	0.0017	0.0055	0.20547	0.35508	0.011044014	Intergenic	NA	NA
1	271041708	271041833	1	0.098231	9	0.002	0.0039	0.84401	0.74578	0.012269327	Intragenic	NM_012833	Abcc2
1	271111349	271111449	1	-0.113095	5	0.00072	0.00014	0.032197	0.14529	0.005769381	Intergenic	NA	NA
1	271828602	271828711	1	-0.059814	5	1.20E-05	3.50E-05	0.032866	0.09268	0.000257442	Intergenic	NA	NA
1	272025140	272025186	1	0.185908	8	1.00E-05	0.00035	0.46657	0.28066	0.000218343	Intragenic	NM_001106361	Pax2
1	272026093	272026162	1	-0.091869	5	0.0038	0.088	0.094895	0.18676	0.019583799	Intergenic	NA	NA
1	272261987	272262212	1	-0.105776	13	0.00076	0.02	0.1889	0.29468	0.006057019	Intergenic	NA	NA
1	273900478	273900536	1	-0.098757	5	0.0094	0.088	0.75877	0.85753	0.036473186	Intergenic	NA	NA
1	273962720	273962788	1	-0.12378	5	0.0019	0.0054	0.11062	0.2344	0.011943782	TSS	NM_001011942	Cnm2
1	274523813	274523878	1	-0.085128	9	2.00E-07	0.00046	0.044567	0.1297	1.09E-05	Intragenic	NM_001107606	Sh3pxd2a
1	278389319	278389374	1	0.061259	5	0.014	0.0032	0.82007	0.75881	0.04726441	Intergenic	NA	NA
1	281495067	281495125	1	-0.112267	5	0.0013	0.038	0.060902	0.17317	0.009111111	Intragenic	NM_013160	Mxi1
1	281772959	281773091	1	-0.183783	5	0.00021	0.0018	0.074905	0.25869	0.002348182	Intergenic	NA	NA
1	281840375	281840605	1	-0.093019	6	0.0065	0.018	0.13964	0.23266	0.028502674	Intragenic	NM_001107611	Rbm20
1	281979038	281979108	1	-0.296381	5	0.00072	0.0018	0.27868	0.57506	0.005769381	Intragenic	NM_001107611	Rbm20
1	281985645	281985868	1	-0.121902	5	3.30E-06	1.60E-05	0.013591	0.13549	9.48E-05	Intragenic	NM_001107611	Rbm20
1	282052510	282052681	1	-0.098977	6	0.0016	0.017	0.63797	0.73694	0.010628263	Intragenic	NM_022265	Pdcd4
1	283408786	283408845	0.077	-0.239223	5	8.50E-07	2.70E-07	0.13718	0.3764	3.35E-05	Intergenic	NA	NA
1	283409486	283409516	1	-0.065315	5	1.30E-05	3.40E-05	0.011275	0.076589	0.000273333	Intergenic	NA	NA
1	283972419	283972463	1	-0.125625	5	0.0027	0.00098	0.12108	0.2467	0.015434547	Intergenic	NA	NA
1	285206367	285206462	1	-0.051213	5	0.0032	0.0093	0.073762	0.12498	0.017454545	TSS	NM_001305184	Afap112
1	289602836	289602927	1	-0.06831	5	0.00044	0.0018	0.011897	0.080207	0.0041	TSS	NM_030829	Grk5
10	1866716	1866882	1	-0.089177	8	0.0039	0.16	0.60826	0.69744	0.0199875	Intergenic	NA	NA
10	4451917	4451981	1	-0.072989	5	2.20E-06	7.00E-05	0.0053038	0.078293	6.91E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	4527429	4527491	1	-0.096528	5	0.0087	0.038	0.23657	0.3331	0.034705946	Intragenic	NM_012573	Grin2a
10	4844133	4844319	1	-0.101958	8	0.0059	0.051	0.14775	0.24971	0.02655	Intragenic	NM_012573	Grin2a
10	5499591	5499677	1	-0.173546	5	0.0019	0.0055	0.27444	0.44799	0.011943782	Intergenic	NA	NA
10	6715286	6715414	1	-0.172285	5	7.80E-05	3.30E-05	0.23371	0.40599	0.001113424	Intergenic	NA	NA
10	9002882	9002992	1	0.080276	7	0.015	0.078	0.87978	0.7995	0.049419643	Intergenic	NA	NA
10	9887170	9887200	0.0019	-0.220446	5	6.30E-08	6.80E-09	0.073521	0.29397	4.39E-06	Intragenic	NM_001191639:NM	Coro7:Vasn
10	9887533	9887594	1	-0.09953	5	0.0058	0.015	0.069676	0.16921	0.026163814	Intragenic	NM_001191639:NM	Coro7:Vasn
10	9896759	9896833	1	-0.071537	7	0.0037	0.0051	0.1106	0.18213	0.019379702	TSS	NM_001109382	Vasn
10	10199217	10199317	1	-0.182933	5	0.011	0.039	0.3853	0.56823	0.040408163	Intergenic	NA	NA
10	12730454	12730562	1	-0.306061	8	0.00027	0.00025	0.3494	0.65546	0.002883647	Intragenic	NM_001105765	Zfp13
10	12981356	12981481	0.29	-0.118575	9	2.10E-06	1.00E-06	0.027729	0.1463	6.80E-05	Intragenic	NM_001277154	Srrm2
10	13878340	13878402	0.43	-0.067587	6	1.80E-07	1.50E-06	0.012242	0.079829	9.99E-06	TSS	NM_013222:NM_0	Gfer:Noxo1
10	14048388	14048419	1	-0.159533	5	0.00059	0.0018	0.078939	0.23847	0.005010587	Intergenic	NA	NA
10	14422181	14422246	1	-0.112369	5	0.014	0.015	0.68146	0.79383	0.04726441	TSS	NR_037321	Mir3547
10	15461902	15461978	1	0.050987	9	0.0066	0.032	0.92776	0.87678	0.02892399	Intragenic	NM_001024269	Luc7l
10	15469831	15469938	0.083	-0.225922	7	3.00E-08	2.90E-07	0.14334	0.36926	2.49E-06	Intergenic	NA	NA
10	15481316	15481423	0.66	-0.212367	7	2.20E-07	2.40E-06	0.1273	0.33967	1.14E-05	Intergenic	NA	NA
10	15495273	15495351	1	-0.10922	5	0.0045	0.00014	0.13602	0.24524	0.021964286	Intergenic	NA	NA
10	17555433	17555477	1	0.301023	5	0.00097	0.024	0.41386	0.11284	0.007223613	Intergenic	NA	NA
10	17873771	17873886	1	-0.057211	7	1.20E-05	9.70E-05	0.010698	0.067909	0.000257442	Intergenic	NA	NA
10	20163833	20163940	1	0.083804	5	0.0038	0.059	0.89584	0.81203	0.019583799	Intragenic	NM_031321	Slit3
10	20622876	20623142	1	-0.088654	7	9.60E-05	0.0052	0.062397	0.15105	0.001307848	Intergenic	NA	NA
10	20679186	20679327	0.0035	-0.213056	8	8.50E-10	1.20E-08	0.077157	0.29021	1.05E-07	Intergenic	NA	NA
10	20773870	20774032	1	-0.1498	7	0.0083	0.075	0.24482	0.39462	0.033563836	Intragenic	NM_020088	Tenm2
10	20872927	20873014	1	0.083035	5	0.011	0.058	0.95604	0.873	0.040408163	Intragenic	NM_020088	Tenm2
10	21977594	21977681	1	0.08312	5	0.011	0.058	0.95604	0.87292	0.040408163	Intergenic	NA	NA
10	23889073	23889123	1	-0.127764	5	0.0053	0.088	0.23411	0.36188	0.024662043	Intragenic	NM_053820	Ebf1
10	29234962	29235084	1	-0.161715	7	0.00016	0.0021	0.046652	0.20837	0.001938916	Intragenic	NM_016991	Adra1b
10	30983965	30984039	1	-0.2167	6	8.20E-05	4.00E-05	0.36533	0.58203	0.001163769	Intragenic	NM_001160228	Adam19
10	31693047	31693097	0.0086	-0.119961	10	1.50E-08	3.10E-08	0.0015877	0.12155	1.35E-06	Intergenic	NA	NA
10	39222345	39222609	1	-0.089519	5	0.0029	0.0032	0.083476	0.17299	0.016164653	Intragenic	NM_001108275	P4ha2
10	42944701	42944903	1	-0.127915	6	0.0032	0.0043	0.053517	0.18143	0.017454545	Intragenic	NM_130742	Galnt10
10	43194258	43194486	1	-0.078442	6	0.013	0.04	0.08747	0.16591	0.04506341	Intergenic	NA	NA
10	45013156	45013190	1	-0.054196	5	0.0045	0.0091	0.026693	0.080889	0.021964286	Intergenic	NA	NA
10	45284348	45284479	1	-0.052364	12	9.10E-05	0.0047	0.057571	0.10993	0.00126	Intragenic	NM_001100784	Gjc2
10	47193165	47193214	1	-0.065577	5	0.0058	0.0093	0.87538	0.94095	0.026163814	Intragenic	NM_001305991	Tnfrsf13b
10	48653958	48654056	1	-0.123682	5	0.0014	0.025	0.25121	0.37489	0.00960223	Intergenic	NA	NA
10	50138848	50138916	1	-0.058329	7	0.0039	0.0053	0.15991	0.21824	0.0199875	Intragenic	NM_001191646	Hs3st3b1
10	50167207	50167298	1	-0.108791	5	0.0068	0.00027	0.12441	0.2332	0.029075319	Intragenic	NM_001191646	Hs3st3b1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	53470082	53470228	1	0.072762	9	0.013	0.061	0.85858	0.78582	0.04506341	Intragenic	NM_001135157	Myh2
10	54277906	54278148	1	-0.140268	7	0.011	0.077	0.26194	0.40221	0.040408163	Intragenic	NM_031656	Stx8
10	55440774	55440862	1	-0.0654	9	0.0005	0.0037	0.057108	0.12251	0.004511002	Intergenic	NA	NA
10	55593302	55593901	1	-0.070152	22	0.013	0.028	0.31862	0.38877	0.04506341	TSS	NM_024380	Gucy2e
10	55750155	55750199	1	-0.273665	5	0.0094	0.088	0.39372	0.66738	0.036473186	TSS	NM_001108829	Kdm6b
10	55941728	55941798	1	0.068807	5	0.002	0.025	0.9508	0.88199	0.012269327	Intragenic	NM_030989	Tp53
10	56381079	56381189	1	-0.083547	7	0.0029	0.025	0.085678	0.16923	0.016164653	Intragenic	NM_019621	Dlg4
10	59269742	59269810	1	-0.095441	5	0.0035	0.038	0.059199	0.15464	0.018410549	TSS	NM_012914	Atp2a3
10	61723037	61723101	1	-0.05829	7	0.00043	0.0034	0.047804	0.10609	0.004073684	Intragenic	NM_001107021	Hic1
10	61978688	61978771	1	-0.147239	5	0.008	0.009	0.16965	0.31688	0.03243956	Intergenic	NA	NA
10	62388173	62388328	0.0004	-0.34276	15	4.50E-14	1.40E-09	0.23286	0.57562	3.20E-11	Intergenic	NA	NA
10	63428500	63428648	1	-0.080679	5	0.00032	0.0032	0.06886	0.14954	0.003243956	Intragenic	NM_001105814	Abr
10	63428726	63428795	1	-0.098623	5	0.0045	0.015	0.16185	0.26047	0.021964286	Intragenic	NM_001105814	Abr
10	64200382	64200576	1	0.216222	5	0.0017	0.015	0.63239	0.41617	0.011044014	TSS	NM_023092	Myo1c
10	65974878	65975243	1	-0.178279	9	0.00016	0.0011	0.0953	0.27358	0.001938916	Intragenic	NM_031746	Slc13a2
10	66207332	66207552	1	-0.117555	6	0.0032	0.0072	0.11164	0.2292	0.017454545	Intragenic	NM_001105804	Nek8
10	66560005	66560555	1	-0.144077	13	1.70E-06	0.00025	0.10654	0.25062	5.73E-05	Intragenic	NM_001172137	Myo18a
10	66609583	66609731	1	-0.191594	5	7.80E-05	0.0018	0.057618	0.24921	0.001113424	Intragenic	NM_001172137	Myo18a
10	67321661	67321741	1	-0.154084	5	0.01	0.13	0.2529	0.40698	0.037614679	Intragenic	NM_001012010	Rnf135
10	68996537	68996626	1	-0.159527	5	0.00054	0.0053	0.12079	0.28032	0.004710638	Intergenic	NA	NA
10	70278750	70278826	1	-0.089565	5	0.0063	0.059	0.11451	0.20407	0.027757612	TSS	NM_001105823	Gas2l2
10	71106945	71107021	1	-0.092848	5	0.0029	0.024	0.11122	0.20407	0.016164653	TSS	NM_001105823	Gas2l2
10	73180792	73181108	1	-0.050504	5	0.0035	0.038	0.042074	0.092578	0.018410549	Intergenic	NA	NA
10	75029740	75029772	1	-0.200516	5	9.80E-05	0.0018	0.17514	0.37565	0.001307848	Intergenic	NA	NA
10	75029786	75030175	1	-0.130068	7	3.30E-08	4.40E-06	0.081278	0.21135	2.68E-06	Intergenic	NA	NA
10	77720017	77720068	1	-0.074985	5	0.0063	0.0093	0.075568	0.15055	0.027757612	Intergenic	NA	NA
10	81669641	81669767	1	-0.13255	8	0.0033	0.018	0.13105	0.2636	0.017946942	Intergenic	NA	NA
10	82237760	82237936	1	0.317068	7	6.10E-06	8.80E-05	0.79373	0.47666	0.000154171	Intergenic	NA	NA
10	82661614	82661767	1	-0.145448	5	0.00036	0.0018	0.088794	0.23424	0.003505013	Intragenic	NM_030872	Pdk2
10	83962043	83962088	1	-0.069733	5	0.0041	0.0091	0.041981	0.11171	0.020486121	Intergenic	NA	NA
10	83984712	83984751	1	0.123149	5	0.014	0.025	0.54898	0.42583	0.04726441	Intergenic	NA	NA
10	83984767	83984867	1	-0.160193	9	0.00064	0.017	0.28762	0.44781	0.005335929	Intergenic	NA	NA
10	83993526	83993588	0.88	-0.051422	6	2.50E-07	3.10E-06	0.021137	0.072559	1.26E-05	TSS	NM_001107042	Hoxb3
10	83996157	83996283	1	-0.239225	5	1.90E-06	0.00014	0.054051	0.29328	6.26E-05	TSS	NM_001107042	Hoxb3
10	84006238	84006360	1	-0.067556	6	0.0026	0.04	0.06911	0.13667	0.015204437	Intergenic	NA	NA
10	84018126	84018193	1	-0.177953	5	0.0068	0.024	0.3054	0.48336	0.029075319	Intergenic	NA	NA
10	84092400	84092694	1	-0.06622	6	0.0074	0.12	0.06261	0.12883	0.030871679	Intergenic	NA	NA
10	84158822	84158949	1	-0.178281	5	1.70E-05	0.00053	0.04562	0.2239	0.000342787	Intragenic	NM_173311	Skap1
10	84255488	84255541	1	0.063588	5	0.00088	0.00098	0.97919	0.9156	0.006722981	Intragenic	NM_173311	Skap1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	84657830	84657935	0.078	-0.085195	5	1.10E-06	2.80E-07	0.058914	0.14411	4.02E-05	Intergenic	NA	NA
10	84863755	84863791	1	-0.060535	5	0.00036	0.0093	0.028961	0.089496	0.003505013	Intragenic	NM_172021	Tbkbp1
10	84863897	84863955	0.042	-0.09241	9	9.40E-08	1.50E-07	0.027846	0.12026	5.93E-06	Intragenic	NM_172021	Tbkbp1
10	85085143	85085223	1	-0.089181	5	0.008	0.024	0.74025	0.82944	0.03243956	Intergenic	NA	NA
10	85232407	85232678	1	-0.076367	31	3.00E-07	0.00061	0.16259	0.23896	1.45E-05	Intergenic	NA	NA
10	85232832	85232878	1	-0.060541	5	0.0074	0.025	0.080207	0.14075	0.030871679	Intergenic	NA	NA
10	85266634	85266687	1	-0.195792	8	0.00019	0.013	0.30935	0.50515	0.002222187	Intragenic	NM_019378	Srcin1
10	85275448	85275597	1	-0.112451	6	0.00053	0.0016	0.032422	0.14487	0.004710638	Intragenic	NM_019378	Srcin1
10	85343967	85344316	1	-0.097498	7	0.0022	0.039	0.069252	0.16675	0.01321074	Intergenic	NA	NA
10	85708075	85708193	1	-0.075914	5	0.00072	0.015	0.052407	0.12832	0.005769381	Intragenic	NM_001107046	Plxdc1
10	86080608	86080648	1	-0.051876	5	0.00059	0.0032	0.016637	0.068513	0.005010587	TSS	NM_019326	Neurod2
10	86480184	86480255	1	-0.162628	5	0.00036	0.0054	0.16136	0.32399	0.003505013	Intragenic	NM_031134:NM_1	Thra:Nr1d1:Nr1
10	86678936	86679118	1	-0.164629	7	0.00033	0.0034	0.21195	0.37658	0.003313469	Intragenic	NM_031528	Rara
10	86679404	86679537	1	-0.117995	5	0.0024	0.038	0.068768	0.18676	0.014124402	Intragenic	NM_031528	Rara
10	86679697	86679784	1	-0.204261	5	1.70E-05	0.00096	0.06974	0.274	0.000342787	Intragenic	NM_031528	Rara
10	88096537	88096669	1	-0.115266	5	0.015	0.0052	0.16018	0.27545	0.049419643	Intragenic	NM_031047	Jup
10	88730034	88730144	1	-0.326821	5	0.00065	7.00E-05	0.20825	0.53507	0.005335929	Intragenic	NM_031604	Atp6v0a1
10	88786517	88786710	1	-0.115295	8	6.00E-05	5.30E-05	0.19704	0.31234	0.0009225	TSS	NM_012851	Hsd17b1
10	88876380	88876452	1	-0.176111	5	0.0049	0.015	0.27037	0.44648	0.023345384	Intragenic	NM_001037202	Plekhh3
10	89323836	89323876	1	0.174205	5	0.012	0.038	0.75029	0.57609	0.042700096	Intergenic	NA	NA
10	89378775	89378931	1	-0.068567	6	5.30E-05	0.00095	0.052896	0.12146	0.000841161	Intergenic	NA	NA
10	90172669	90172681	1	-0.053733	5	0.0014	0.0055	0.0051843	0.058918	0.00960223	Intergenic	NA	NA
10	90213593	90213693	1	-0.124407	9	0.01	0.082	0.40153	0.52594	0.037614679	Intergenic	NA	NA
10	90587787	90587897	1	-0.32939	5	0.00065	7.00E-05	0.20568	0.53507	0.005335929	Intragenic	NM_001085381	Gjc1
10	90960935	90961265	1	-0.131675	10	3.50E-06	0.00024	0.070182	0.20186	9.90E-05	TSS	NM_001012013	Acbd4
10	91073088	91073140	1	-0.101264	5	0.0022	0.059	0.050261	0.15153	0.01321074	TSS	NM_001005531	Spata32
10	91096900	91096969	1	-0.063756	5	1.50E-06	3.40E-05	0.022273	0.086029	5.17E-05	Intragenic	NM_001108301	Map3k14
10	91193735	91193993	0.25	-0.157181	20	2.00E-10	8.70E-07	0.15027	0.30745	3.14E-08	Intragenic	NM_198759	Arhgap27
10	92088827	92088985	1	-0.157237	5	0.0074	0.0092	0.19242	0.34966	0.030871679	Intragenic	NM_017212	Mapt
10	93342815	93343023	1	-0.097209	5	0.0022	0.0092	0.087024	0.18423	0.01321074	Intergenic	NA	NA
10	93439915	93439945	1	-0.050479	5	0.0014	0.00097	0.009031	0.05951	0.00960223	TSS	NM_001013973	10-Mar
10	94305503	94305897	1	-0.100561	8	0.00091	0.0054	0.10294	0.2035	0.006916375	TSS	NM_013178	Scn4a
10	95341497	95341640	1	-0.163727	5	1.30E-05	3.30E-05	0.0975	0.26123	0.000273333	Intergenic	NA	NA
10	95393314	95393392	1	-0.125972	5	0.015	0.025	0.067952	0.19392	0.049419643	Intergenic	NA	NA
10	95718631	95718775	1	-0.103582	5	0.00029	6.80E-05	0.021312	0.12489	0.002984937	Intragenic	NM_080692	Cacng4
10	95730206	95730325	1	-0.140851	8	0.013	0.12	0.2628	0.40365	0.04506341	Intragenic	NM_080692	Cacng4
10	96372761	96372862	1	-0.208579	7	0.01	0.039	0.43715	0.64573	0.037614679	Intragenic	NM_001009626	Apoh
10	97189252	97189390	1	-0.10114	5	0.01	0.059	0.10353	0.20467	0.037614679	Intergenic	NA	NA
10	97355594	97355841	1	-0.084528	7	0.00015	0.0013	0.090341	0.17487	0.001835821	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	97436394	97436500	1	-0.108676	7	0.0039	0.11	0.70703	0.8157	0.0199875	TSS	NM_001014121	Amz2
10	97627022	97627101	1	0.066679	5	0.014	0.088	0.080556	0.013877	0.04726441	Intergenic	NA	NA
10	101061806	101061895	1	-0.088156	5	0.0068	0.015	0.094221	0.18238	0.029075319	Intergenic	NA	NA
10	101230420	101230491	1	-0.183562	5	0.00014	0.009	0.18302	0.36658	0.00174527	Intergenic	NA	NA
10	102373416	102373631	1	-0.081462	5	0.012	0.024	0.065301	0.14676	0.042700096	Intergenic	NA	NA
10	102664339	102664374	1	-0.102391	5	0.0058	0.015	0.74438	0.84677	0.026163814	Intergenic	NA	NA
10	103064710	103065032	1	-0.111761	5	0.00044	0.0054	0.059541	0.1713	0.0041	Intragenic	NM_001191591	Gprc5c
10	103594909	103595044	1	-0.18055	5	0.00029	0.0055	0.072748	0.2533	0.002984937	TSS	NM_001009369	Mrpl38
10	104514511	104514748	1	-0.07927	7	0.0096	0.076	0.10475	0.18402	0.037112624	Intragenic	NM_001191655	Tmem104
10	104784626	104784693	1	-0.105568	7	1.30E-06	9.70E-05	0.019827	0.1254	4.66E-05	TSS	NM_001107066	Evpl
10	105152849	105152935	1	-0.070415	5	0.00072	0.0054	0.026273	0.096688	0.005769381	Intergenic	NA	NA
10	105152936	105152961	1	-0.230064	5	4.80E-06	7.30E-06	0.092096	0.32216	0.000126064	Intergenic	NA	NA
10	105356062	105356148	1	-0.096535	5	0.0038	0.0055	0.14518	0.24171	0.019583799	Intergenic	NA	NA
10	105413206	105413247	1	-0.051556	11	0.00033	0.004	0.032492	0.084047	0.003313469	Intergenic	NA	NA
10	105433800	105433917	1	-0.112824	8	0.00048	0.018	0.14025	0.25307	0.004351843	Intergenic	NA	NA
10	105732316	105732424	1	-0.087014	5	0.0024	0.025	0.06336	0.15037	0.014124402	Intragenic	NM_001108309	Sec14l1
10	105841800	105841901	1	-0.051498	7	0.003	0.0022	0.032604	0.084102	0.01668425	TSS	NM_176856	9-Sep
10	105856736	105856974	1	-0.118715	7	0.0044	0.013	0.10586	0.22458	0.021881402	Intragenic	NM_176856	9-Sep
10	106695320	106695610	1	-0.14234	16	2.70E-05	0.0034	0.25081	0.39315	0.000503182	Intergenic	NA	NA
10	106721268	106721378	1	-0.257693	5	0.0022	0.024	0.19003	0.44772	0.01321074	Intergenic	NA	NA
10	107174174	107174238	1	-0.093594	5	0.01	0.059	0.11798	0.21157	0.037614679	TSS	NM_001134498	Rbfox3
10	107513309	107513500	1	-0.107183	7	0.0053	0.00082	0.056964	0.16415	0.024662043	Intergenic	NA	NA
10	107703087	107703166	1	-0.105655	5	0.0087	0.024	0.18393	0.28958	0.034705946	Intragenic	NM_001134688	Ccdc40
10	107713028	107713151	1	-0.110289	7	1.60E-05	0.00049	0.090922	0.20121	0.000329832	Intragenic	NM_001134688:NM	Ccdc40:Enpp7
10	107922545	107922664	1	-0.109299	5	1.30E-06	1.60E-05	0.025135	0.13443	4.66E-05	Intragenic	NM_001134688	Ccdc40
10	107935650	107935703	1	-0.136729	5	7.80E-05	0.00014	0.10916	0.24589	0.001113424	Intragenic	NM_001134688	Ccdc40
10	108790850	108791363	0.55	-0.077726	18	2.90E-09	1.90E-06	0.057441	0.13517	3.06E-07	Intragenic	NM_001168703	Aatk
10	108830306	108830392	1	-0.220359	5	0.008	0.088	0.34426	0.56462	0.03243956	Intergenic	NA	NA
10	109072768	109072900	1	-0.158658	5	7.00E-05	0.00026	0.041193	0.19985	0.001035271	Intergenic	NA	NA
10	109073215	109073247	1	-0.209476	5	0.00015	0.00014	0.52012	0.7296	0.001835821	Intergenic	NA	NA
10	109379299	109379333	1	-0.169085	5	0.00065	0.0018	0.18072	0.34981	0.005335929	TSS	NM_153293	Npb
10	109379378	109379422	1	-0.084707	5	0.0017	0.00094	0.11837	0.20308	0.011044014	TSS	NM_153293	Npb
10	109500274	109500477	1	-0.051525	8	0.0085	0.05	0.075303	0.12683	0.034353779	TSS	NM_134387	Dcxr
10	109966209	109966574	0.017	-0.12385	16	2.00E-11	6.00E-08	0.055327	0.17918	3.99E-09	Intragenic	NM_001013976	Ogfod3
10	110607362	110607421	1	-0.05362	5	0.01	0.088	0.046893	0.10051	0.037614679	Intergenic	NA	NA
11	1737029	1737511	1	-0.127903	8	0.0064	0.013	0.59849	0.72639	0.028147795	Intergenic	NA	NA
11	1799411	1799458	1	-0.168616	5	0.00029	0.0093	0.074249	0.24287	0.002984937	TSS	NM_001005552	MGC95208
11	2145212	2145336	2.40E-08	-0.174506	14	4.00E-14	8.70E-14	0.15671	0.33122	3.20E-11	Intergenic	NA	NA
11	9964224	9964299	1	0.058719	5	0.014	0.038	0.91225	0.85353	0.04726441	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
11	14409103	14409177	1	-0.126483	7	0.0014	0.00029	0.14713	0.27361	0.00960223	Intergenic	NA	NA
11	24567520	24567551	1	-0.051711	5	0.0094	0.038	0.056723	0.10843	0.036473186	Intergenic	NA	NA
11	26047327	26047397	1	-0.115258	5	0.00072	0.0032	0.85045	0.96571	0.005769381	Intergenic	NA	NA
11	28276366	28276869	1	-0.055001	5	0.0094	0.015	0.071217	0.12622	0.036473186	Intergenic	NA	NA
11	32147179	32147234	1	-0.147914	5	0.0068	0.0053	0.56666	0.71457	0.029075319	TSS	NM_001037774	Cldn8
11	33583741	33584169	1	-0.084649	12	0.00014	0.0099	0.098057	0.18271	0.00174527	Intragenic	NM_001100558	Tiam1
11	34306434	34306475	1	-0.185163	5	0.00072	0.0018	0.29297	0.47813	0.005769381	Intergenic	NA	NA
11	34881049	34881166	1	-0.134027	5	0.0063	0.024	0.21886	0.35288	0.027757612	Intergenic	NA	NA
11	34929499	34929589	1	-0.13169	7	0.0018	0.013	0.19464	0.32633	0.011652632	Intergenic	NA	NA
11	36063853	36063887	1	-0.149166	5	0.00054	0.0017	0.47894	0.62811	0.004710638	Intragenic	NM_001131000	Smim11
11	36087975	36088062	1	0.144735	5	0.0041	0.038	0.81642	0.67169	0.020486121	Intergenic	NA	NA
11	36371712	36371968	0.025	-0.062583	17	3.40E-08	9.00E-08	0.035483	0.098065	2.73E-06	Intragenic	NM_017325	Runx1
11	36464548	36464651	1	-0.079602	7	0.012	0.039	0.13738	0.21698	0.042700096	Intergenic	NA	NA
11	36815732	36815841	1	0.122607	5	0.0094	0.038	0.70473	0.58213	0.036473186	Intergenic	NA	NA
11	37843439	37843524	1	-0.116716	5	0.00012	0.0018	0.21703	0.33375	0.00153218	Intergenic	NA	NA
11	37912318	37912369	1	-0.066143	5	0.00032	0.0032	0.066549	0.13269	0.003243956	Intragenic	NM_001107108	Sim2
11	38023900	38023992	1	-0.172291	7	0.0079	0.077	0.25803	0.43033	0.03243956	Intergenic	NA	NA
11	38697344	38697468	1	-0.063832	5	0.012	0.059	0.11677	0.1806	0.042700096	Intragenic	NM_013192	Kcnj6
11	39990926	39990988	1	0.115983	5	0.013	0.038	0.911	0.79502	0.04506341	Intergenic	NA	NA
11	40044065	40044149	1	-0.057287	12	0.00035	0.0095	0.067105	0.12439	0.003490541	Intragenic	NM_001017484	Lca5l
11	47675300	47675358	3.00E-05	-0.070171	7	2.80E-10	1.10E-10	0.0037184	0.07389	4.13E-08	Intergenic	NA	NA
11	48227855	48227910	1	-0.123465	5	0.0019	0.0054	0.12858	0.25204	0.011943782	TSS	NM_001013866	Cmss1
11	50974515	50974570	1	0.190819	5	0.0041	0.003	0.55603	0.36522	0.020486121	Intergenic	NA	NA
11	59348697	59348825	1	-0.077569	5	0.013	0.024	0.59033	0.6679	0.04506341	Intergenic	NA	NA
11	62354732	62354862	1	-0.063573	5	0.0032	0.0055	0.38086	0.44444	0.017454545	Intergenic	NA	NA
11	65407884	65408014	1	-0.055819	5	0.0068	0.0092	0.39683	0.45265	0.029075319	Intergenic	NA	NA
11	67150336	67150419	1	0.050056	5	0.00072	0.0092	0.97163	0.92157	0.005769381	Intergenic	NA	NA
11	69052471	69052508	1	-0.193788	5	0.0013	0.0091	0.19734	0.39113	0.009111111	TSS	NM_001037338	Ndufb4
11	69805542	69805641	1	-0.120189	5	0.0014	0.015	0.063073	0.18326	0.00960223	Intergenic	NA	NA
11	70152132	70152208	1	-0.151286	6	0.00016	0.00031	0.10913	0.26042	0.001938916	Intergenic	NA	NA
11	70994652	70994704	1	0.209896	5	0.0029	0.0091	0.57752	0.36762	0.016164653	Intergenic	NA	NA
11	71039324	71039404	1	-0.121327	5	1.00E-05	0.00014	0.049043	0.17037	0.000218343	Intergenic	NA	NA
11	71553515	71553567	1	0.209896	5	0.0029	0.0091	0.57752	0.36762	0.016164653	Intergenic	NA	NA
11	71598470	71598550	1	-0.121327	5	1.00E-05	0.00014	0.049043	0.17037	0.000218343	Intragenic	NM_001014125	Pdia5
11	72880448	72880569	0.019	-0.160673	12	2.10E-08	6.90E-08	0.085988	0.24666	1.82E-06	Intragenic	NM_032062	Kalrn
11	73369845	73369876	1	-0.075495	5	0.0074	0.015	0.06373	0.13922	0.030871679	Intergenic	NA	NA
11	75110830	75110866	1	-0.060226	5	0.011	0.0093	0.063225	0.12345	0.040408163	Intergenic	NA	NA
11	75676587	75676657	1	-0.117378	5	0.0035	0.0018	0.73709	0.85447	0.018410549	Intragenic	NM_053995	Bdh1
11	75957213	75957249	1	-0.060226	5	0.011	0.0093	0.063225	0.12345	0.040408163	Intragenic	NM_138823	Ppp1r2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
11	77159085	77159109	1	0.091812	5	0.008	0.0055	0.78661	0.6948	0.03243956	Intergenic	NA	NA
11	77522015	77522071	1	-0.12239	5	0.015	0.086	0.18033	0.30272	0.049419643	Intergenic	NA	NA
11	77692184	77692303	1	-0.15347	6	0.0057	0.084	0.19201	0.34548	0.026163814	Intergenic	NA	NA
11	78477595	78477671	1	-0.129853	5	0.0019	0.015	0.1568	0.28665	0.011943782	TSS	NM_001109056	Mb21d2
11	79893352	79893396	1	-0.140468	5	0.0019	0.015	0.21453	0.355	0.011943782	Intergenic	NA	NA
11	80846648	80846768	1	-0.067436	5	0.002	0.00014	0.031573	0.09901	0.012269327	Intergenic	NA	NA
11	81727195	81727268	1	-0.161739	6	0.0032	0.0016	0.32201	0.48375	0.017454545	Intergenic	NA	NA
11	84884865	84884994	1	-0.116952	5	8.80E-05	0.0018	0.066253	0.1832	0.00123	TSS	NM_001109553	Crygs
11	85335025	85335178	1	-0.094765	6	0.0078	0.058	0.128	0.22277	0.032284913	Intragenic	NM_001107082	Etv5
11	85614939	85614989	1	-0.160202	5	4.30E-06	7.60E-06	0.09696	0.25716	0.000114978	Intragenic	NM_001270598:NM	Igf2bp2:Igf2bp2
11	85670219	85670269	1	-0.160202	5	4.30E-06	7.60E-06	0.09696	0.25716	0.000114978	Intragenic	NM_001270598:NM	Igf2bp2:Igf2bp2
11	85803578	85803645	1	-0.08522	5	0.0027	0.024	0.16986	0.25508	0.015434547	Intragenic	NM_001044279	Liph
11	85944335	85944435	1	0.06425	5	0.01	0.015	0.89433	0.83008	0.037614679	Intragenic	NM_001013978:NM	Map3k13:Clcn2
11	86958391	86958491	1	0.06402	5	0.012	0.015	0.89424	0.83022	0.042700096	Intragenic	NM_017137	Clcn2
11	88317321	88317495	1	0.050613	11	0.01	0.019	0.88183	0.83122	0.037614679	Intergenic	NA	NA
11	89617931	89618146	1	-0.098853	9	0.011	0.034	0.22348	0.32234	0.040408163	TSS	NM_053931	5-Sep
11	89620885	89620935	1	-0.061046	5	0.012	0.015	0.059228	0.12027	0.042700096	TSS	NM_053930	Gp1bb
11	89621830	89621872	1	0.062925	5	0.0094	0.58	0.078133	0.015208	0.036473186	TSS	NM_053930	Gp1bb
11	89654683	89654730	1	-0.055938	5	0.008	0.038	0.048636	0.10457	0.03243956	Intragenic	NM_001108322	Tbx1
11	89830219	89830442	1	-0.114446	6	0.0083	0.0073	0.036024	0.15047	0.033563836	Intragenic	NM_001131013	Arvcf
11	89838075	89838114	1	0.067915	5	0.008	0.015	0.893	0.82509	0.03243956	Intragenic	NM_001131013	Arvcf
11	89884330	89884408	1	-0.15911	5	2.80E-05	0.00053	0.080216	0.23933	0.000511485	Intragenic	NM_001131013	Arvcf
11	90303345	90303384	1	-0.069699	7	0.0076	0.078	0.070794	0.14049	0.031563309	Intergenic	NA	NA
11	90480132	90480341	1	-0.077096	7	0.0035	0.017	0.082985	0.16008	0.018410549	Intergenic	NA	NA
11	90784757	90784776	1	-0.116347	5	0.00072	0.0031	0.13174	0.24808	0.005769381	Intragenic	NM_001105864	Scarf2
11	91032035	91032063	1	-0.08355	5	0.0032	0.024	0.06234	0.14589	0.017454545	Intergenic	NA	NA
11	91046044	91046139	1	-0.176651	7	5.60E-06	0.00047	0.10922	0.28587	0.000144	Intragenic	NM_001105862	Hic2
12	327673	327818	1	0.0525	9	0.00046	0.0039	0.15911	0.10661	0.004270189	Intergenic	NA	NA
12	344693	344744	1	0.119219	7	0.0004	0.0054	0.18564	0.066426	0.003813953	Intergenic	NA	NA
12	346064	346150	1	-0.080911	7	0.012	0.038	0.13972	0.22063	0.042700096	Intergenic	NA	NA
12	346218	346294	1	-0.097642	5	0.0017	0.0031	0.34846	0.4461	0.011044014	Intergenic	NA	NA
12	356009	356084	1	0.235411	7	0.00074	0.027	0.638	0.40259	0.005916793	Intergenic	NA	NA
12	434439	434512	1	-0.054862	5	0.00026	0.0055	0.051877	0.10674	0.002784906	Intergenic	NA	NA
12	922679	922723	1	0.068787	5	0.0068	0.038	0.95097	0.88218	0.029075319	Intergenic	NA	NA
12	4678165	4678276	1	-0.075751	6	0.00026	0.00095	0.041866	0.11762	0.002784906	Intragenic	NM_017267	Timm44
12	6055942	6055973	1	-0.063011	8	0.00029	0.018	0.093272	0.15628	0.002984937	Intergenic	NA	NA
12	7889467	7889629	1	-0.216186	7	3.00E-06	5.30E-05	0.063861	0.28005	8.86E-05	Intragenic	NM_001170398	Fry
12	8950979	8951159	1	-0.151787	15	9.20E-07	0.00011	0.65444	0.80623	3.57E-05	Intragenic	NM_017260	Alox5ap
12	9414930	9414970	1	-0.105113	5	0.0074	0.059	0.39289	0.498	0.030871679	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	9691324	9691364	1	-0.107754	5	0.01	0.025	0.39024	0.498	0.037614679	Intergenic	NA	NA
12	10331523	10331657	1	-0.102931	5	0.015	0.087	0.088919	0.19185	0.049419643	Intergenic	NA	NA
12	10342364	10342560	1	-0.125641	6	0.0042	0.017	0.094706	0.22035	0.020943243	Intergenic	NA	NA
12	10387683	10387852	1	0.126014	5	0.0035	0.015	0.92182	0.7958	0.018410549	Intergenic	NA	NA
12	10914335	10914391	1	-0.204615	5	0.00044	0.0032	0.17682	0.38144	0.0041	Intergenic	NA	NA
12	10940626	10940730	1	-0.152798	5	0.00044	0.0093	0.1364	0.2892	0.0041	Intergenic	NA	NA
12	11056881	11057152	1	-0.078466	13	0.00094	0.00093	0.22391	0.30238	0.007115077	Intergenic	NA	NA
12	11174548	11174652	1	-0.135601	5	0.00048	0.0055	0.146	0.2816	0.004351843	Intragenic	NM_001309381:NM	Flt1:Flt1
12	11754587	11754629	1	-0.088276	5	0.00036	0.00014	0.064649	0.15293	0.003505013	Intergenic	NA	NA
12	11754635	11754827	1	-0.097176	7	0.015	0.1	0.18406	0.28124	0.049419643	Intergenic	NA	NA
12	11970267	11970430	1	-0.149104	6	0.0039	0.018	0.1594	0.3085	0.0199875	Intragenic	NM_001113570	Gtf3a
12	12069179	12069241	1	0.053312	5	0.0049	0.0088	0.92753	0.87422	0.023345384	Intergenic	NA	NA
12	13388056	13388088	1	-0.063007	5	0.0068	0.038	0.040502	0.10351	0.029075319	Intragenic	NM_153312	Cyp3a2
12	14160852	14160935	1	-0.082468	5	0.0074	0.039	0.082125	0.16459	0.030871679	Intergenic	NA	NA
12	14405169	14405295	1	-0.084269	5	0.0035	0.015	0.037231	0.1215	0.018410549	Intergenic	NA	NA
12	15368574	15368610	1	-0.152102	5	2.40E-05	0.00014	0.11575	0.26785	0.000455321	Intergenic	NA	NA
12	15403030	15403086	1	-0.188196	5	0.012	0.058	0.32269	0.51089	0.042700096	Intragenic	NM_001107121	Zfp316
12	15403221	15403264	1	0.129753	5	0.008	0.024	0.72961	0.59986	0.03243956	Intragenic	NM_001107121	Zfp316
12	15403579	15403625	1	-0.1659	5	0.0019	0.0054	0.3029	0.4688	0.011943782	Intragenic	NM_001107121	Zfp316
12	15404248	15404283	1	0.099057	5	0.00014	0.0018	0.16025	0.061189	0.00174527	Intragenic	NM_001107121	Zfp316
12	15404288	15404310	1	-0.193533	5	0.0041	0.0054	0.13753	0.33106	0.020486121	Intragenic	NM_001107121	Zfp316
12	15404344	15404462	1	-0.116058	25	0.0024	0.015	0.099958	0.1526	0.014124402	Intragenic	NM_001107121	Zfp316
12	15404487	15404625	1	-0.198867	9	2.60E-07	5.50E-06	0.054973	0.25384	1.30E-05	Intragenic	NM_001107121	Zfp316
12	15404627	15404904	1	-0.090291	24	0.00018	0.0066	0.18335	0.26745	0.002142581	Intragenic	NM_001107121	Zfp316
12	15893454	15893604	1	-0.143002	5	0.0049	0.059	0.071119	0.21412	0.023345384	Intragenic	NM_001107123	Tnrc18
12	19054921	19055283	1	-0.054648	5	0.0041	0.025	0.065498	0.12015	0.020486121	Intergenic	NA	NA
12	19125012	19125314	1	-0.063878	19	0.013	0.026	0.29179	0.35567	0.04506341	Intergenic	NA	NA
12	19139513	19139566	1	-0.266047	9	0.00019	0.00033	0.60073	0.86677	0.002222187	Intergenic	NA	NA
12	19146172	19146322	1	-0.098847	5	0.0027	0.015	0.10418	0.20302	0.015434547	Intergenic	NA	NA
12	19162722	19163030	1	-0.056638	17	0.0072	0.026	0.10509	0.16172	0.030714451	Intergenic	NA	NA
12	19347115	19347195	1	-0.055164	5	0.00029	0.00053	0.020614	0.075778	0.002984937	TSS	NM_001109062	Gpr146
12	19370005	19370194	1	-0.106561	10	7.40E-05	0.006	0.14688	0.25344	0.00109006	Intergenic	NA	NA
12	19731309	19731385	1	0.252842	5	0.0011	0.0031	0.28792	0.035075	0.007982301	Intragenic	NM_012801	Pdgfa
12	19995400	19995486	1	-0.173759	5	0.002	0.0032	0.27358	0.44733	0.012269327	Intergenic	NA	NA
12	21651667	21651960	1	-0.06257	12	0.0016	0.013	0.10963	0.17221	0.010628263	Intragenic	NM_138511	Gpc2
12	23849553	23849616	1	-0.063416	7	0.0029	0.027	0.05036	0.11378	0.016164653	TSS	NM_031700	Cldn3
12	24224452	24224557	1	-0.148689	5	0.008	0.024	0.35207	0.50076	0.03243956	Intragenic	NM_001105917	Actl6b
12	24465966	24466538	1	-0.070735	14	1.90E-05	0.00063	0.046741	0.11748	0.000376935	TSS	NM_001127570	Trip6
12	25315187	25315338	0.78	-0.068105	11	2.60E-07	2.80E-06	0.056972	0.12508	1.30E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	25605368	25605436	1	0.083964	5	0.0019	0.015	0.29904	0.21507	0.011943782	Intergenic	NA	NA
12	26355871	26355914	1	-0.149239	5	0.00032	0.0018	0.66081	0.81005	0.003243956	Intragenic	NM_181080	Trim50
12	26745213	26745270	1	-0.075195	5	0.0068	0.00014	0.031294	0.10649	0.029075319	Intergenic	NA	NA
12	26762004	26762131	1	-0.092476	9	7.00E-06	5.70E-06	0.076076	0.16855	0.000168824	TSS	NM_001012022	Cldn4
12	27512985	27513042	1	-0.053644	5	0.00059	0.00052	0.01822	0.071864	0.005010587	Intragenic	NM_053734	Ncf1
12	31597331	31597479	1	-0.093413	9	0.002	0.0084	0.096237	0.18965	0.012269327	Intragenic	NM_001077201	Caln1
12	31645214	31645509	1	-0.050875	11	0.00066	0.0029	0.04562	0.096495	0.005412	Intragenic	NM_001077201	Caln1
12	33169823	33169920	1	-0.173983	5	0.00021	0.0018	0.068896	0.24288	0.002348182	Intergenic	NA	NA
12	33512833	33512887	1	0.096063	5	0.0019	0.015	0.89847	0.8024	0.011943782	Intragenic	NM_001100488	Rimbp2
12	33552281	33552407	1	-0.123035	5	0.013	0.088	0.14484	0.26788	0.04506341	TSS	NM_001108853	Piwil1
12	33577434	33577550	1	-0.067163	7	0.0012	0.0031	0.15205	0.21921	0.008573088	Intergenic	NA	NA
12	33814405	33814524	1	-0.125853	5	0.00014	3.40E-05	0.025908	0.15176	0.00174527	Intergenic	NA	NA
12	34292318	34292368	1	-0.104276	5	0.0029	0.0018	0.63658	0.74086	0.016164653	Intragenic	NM_198727	Tmem132d
12	34880198	34880294	1	-0.146107	5	0.00059	0.00028	0.086343	0.23245	0.005010587	Intergenic	NA	NA
12	38530559	38530832	1	-0.056791	12	0.00067	2.40E-05	0.010396	0.051953	0.005487902	Intergenic	NA	NA
12	38530846	38530903	1	-0.067603	5	1.00E-05	1.60E-05	0.019899	0.087501	0.000218343	Intergenic	NA	NA
12	38666528	38666588	1	-0.072835	5	0.00019	0.0031	0.094403	0.16724	0.002222187	Intergenic	NA	NA
12	38844231	38844320	1	-0.063129	5	0.0053	0.015	0.065351	0.12848	0.024662043	Intragenic	NM_001108334	Ncor2
12	39013939	39014053	1	-0.055371	5	0.012	0.038	0.12204	0.17741	0.042700096	Intergenic	NA	NA
12	39142699	39142819	1	-0.063358	7	0.0079	0.019	0.21367	0.27703	0.03243956	Intergenic	NA	NA
12	39429537	39429596	1	-0.213761	5	0.0024	0.0055	0.19945	0.41321	0.014124402	Intergenic	NA	NA
12	40775199	40775462	1	-0.05468	12	5.00E-06	0.00029	0.0083566	0.063037	0.000130851	Intergenic	NA	NA
12	40805856	40805962	1	-0.10647	5	0.012	0.0032	0.09854	0.20501	0.042700096	Intragenic	NM_001271309	Tmem120b
12	41412825	41412935	1	-0.112957	5	0.0011	0.00098	0.033342	0.1463	0.007982301	Intergenic	NA	NA
12	41620759	41621045	1	-0.096474	15	2.70E-05	0.007	0.15393	0.25041	0.000503182	Intragenic	NM_001107141	Pptc7
12	41793692	41794011	1	-0.111086	9	0.00057	0.0061	0.13056	0.24164	0.004925761	Intragenic	NM_001025665	Ccdc63
12	42215413	42215541	1	-0.271909	5	0.0053	0.025	0.39877	0.67068	0.024662043	Intergenic	NA	NA
12	42547079	42547102	1	-0.148046	5	6.30E-06	0.00028	0.077358	0.2254	0.000156545	TSS	NM_001047900	Naa25
12	43273757	43273900	1	-0.119293	5	4.40E-05	0.0054	0.063719	0.18301	0.000729708	Intergenic	NA	NA
12	43288328	43288369	1	-0.155913	5	0.0094	0.038	0.17293	0.32884	0.036473186	Intragenic	NM_001108335	Rasal1
12	43375603	43375925	1	-0.098787	9	0.00021	0.0027	0.063025	0.16181	0.002348182	Intragenic	NM_139332	Tpcn1
12	43505814	43506008	1	-0.056201	11	1.60E-05	0.00028	0.040797	0.096998	0.000329832	Intergenic	NA	NA
12	43949703	43949736	1	-0.064715	5	0.0013	0.015	0.062143	0.12686	0.009111111	TSS	NM_001009964	Tbx5
12	44874523	44874571	1	-0.089568	5	0.0027	0.015	0.070859	0.16043	0.015434547	Intergenic	NA	NA
12	45606314	45606447	1	-0.102206	11	0.0024	0.011	0.6643	0.7665	0.014124402	Intergenic	NA	NA
12	46008432	46008563	1	-0.084125	8	0.0075	0.026	0.15683	0.24095	0.031235892	Intergenic	NA	NA
12	47123851	47124111	1	-0.070289	17	2.20E-06	0.00015	0.055013	0.1253	6.91E-05	Intergenic	NA	NA
12	47195461	47195520	1	0.072415	5	8.80E-05	0.00053	0.97193	0.89951	0.00123	Intergenic	NA	NA
12	47694927	47694993	1	0.125192	5	0.0019	0.00053	0.24472	0.11953	0.011943782	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	47729497	47729544	1	-0.10947	5	1.90E-05	0.00014	0.06036	0.16983	0.000376935	Intragenic	NM_053612	Hspb8
12	48667484	48667567	1	-0.123451	5	0.00044	0.0017	0.11999	0.24344	0.0041	TSS	NM_001107147	Sirt4
12	48768895	48768946	1	-0.079869	5	0.012	0.039	0.10251	0.18238	0.042700096	Intergenic	NA	NA
12	49056359	49056492	1	-0.098593	7	0.00048	3.00E-05	0.017857	0.11645	0.004351843	Intragenic	NM_022512	Acads
12	49178823	49178976	1	-0.18183	7	1.90E-06	3.00E-05	0.1091	0.29093	6.26E-05	Intergenic	NA	NA
12	49238198	49238778	1	-0.072364	16	0.002	0.01	0.14084	0.21321	0.012269327	Intragenic	NM_001009681	Oasl
12	49294940	49295006	1	-0.188041	5	0.0022	0.0093	0.47775	0.66579	0.01321074	Intergenic	NA	NA
12	49497208	49497365	1	-0.196343	5	0.011	0.0053	0.32891	0.52525	0.040408163	Intragenic	NM_023970	Trpv4
12	49591929	49592189	1	-0.072394	9	0.0001	0.0008	0.17627	0.24866	0.001327338	Intergenic	NA	NA
12	49724327	49724852	1	-0.061252	9	0.0045	0.032	0.046827	0.10808	0.021964286	Intergenic	NA	NA
12	49938689	49938759	1	-0.272186	5	0.01	0.0054	0.4243	0.69648	0.037614679	Intragenic	NM_053922	Acacb
12	50029294	50029415	1	-0.191045	7	0.0027	5.30E-05	0.2394	0.43045	0.015434547	Intragenic	NM_001013124	Ung
12	50133129	50133432	1	-0.103781	12	0.00031	0.0027	0.15537	0.25915	0.003181919	Intergenic	NA	NA
12	50156584	50156651	1	-0.159164	7	1.80E-05	0.0005	0.0903	0.24946	0.000361962	TSS	NM_053626	Dao
12	50820359	50820441	1	-0.100233	5	0.0058	0.0054	0.05792	0.15815	0.026163814	Intergenic	NA	NA
12	51112615	51112706	1	-0.086417	5	0.0094	0.037	0.11346	0.19988	0.036473186	Intragenic	NM_001105937	Sgsm1
12	51125840	51125910	1	-0.06888	5	0.012	0.038	0.025647	0.094528	0.042700096	Intragenic	NM_001105937	Sgsm1
12	51266703	51266840	1	-0.281197	5	0.0041	0.0017	0.19125	0.47245	0.020486121	Intergenic	NA	NA
12	51457219	51457290	1	0.050172	5	0.014	0.039	0.93248	0.88231	0.04726441	Intragenic	NM_012897	Adrbk2
12	52879604	52879721	1	-0.088415	5	0.013	0.088	0.13243	0.22084	0.04506341	Intergenic	NA	NA
12	52971300	52971350	1	-0.132206	5	0.0038	0.039	0.6804	0.81261	0.019583799	Intragenic	NM_001191928	Mn1
12	52989683	52989983	1.50E-07	-0.057674	22	4.10E-14	5.40E-13	0.031349	0.089024	3.20E-11	Intragenic	NM_001191928	Mn1
12	52990020	52990054	1	-0.102391	5	0.00044	0.00053	0.067793	0.17018	0.0041	TSS	NM_001191928	Mn1
12	52990121	52990174	1	-0.282299	5	6.20E-05	0.00053	0.13682	0.41912	0.000939548	TSS	NM_001191928	Mn1
12	52990206	52990248	1	-0.241584	5	4.30E-06	0.00014	0.067628	0.30921	0.000114978	TSS	NM_001191928	Mn1
12	52990506	52990548	1	-0.120098	5	0.0012	0.0054	0.14597	0.26607	0.008573088	TSS	NM_001191928	Mn1
12	52990599	52990630	1	-0.098971	5	0.0027	0.039	0.086761	0.18573	0.015434547	TSS	NM_001191928	Mn1
12	52990642	52990680	1	-0.185864	5	2.20E-06	1.60E-05	0.18915	0.37502	6.91E-05	TSS	NM_001191928	Mn1
12	52991060	52991118	1	-0.165069	5	3.30E-06	1.60E-05	0.042074	0.20714	9.48E-05	TSS	NM_001191928	Mn1
12	52991268	52991304	1	-0.055363	5	0.00065	0.0032	0.060553	0.11592	0.005335929	TSS	NM_001191928	Mn1
12	53266294	53266383	1	-0.233008	5	0.0058	0.0055	0.45312	0.68613	0.026163814	Intergenic	NA	NA
12	53803721	53803809	1	-0.2459	9	7.20E-07	7.90E-05	0.22267	0.46857	2.99E-05	Intergenic	NA	NA
12	53957694	53957826	1	-0.107648	5	0.014	0.059	0.10991	0.21756	0.04726441	Intergenic	NA	NA
12	54112639	54112688	1	-0.080048	7	2.80E-06	9.60E-05	0.033051	0.1131	8.50E-05	Intergenic	NA	NA
12	54426307	54426588	1	-0.173557	10	0.01	0.0056	0.24381	0.41737	0.037614679	Intergenic	NA	NA
13	2142389	2142557	1	-0.111659	5	0.0063	0.015	0.64527	0.75693	0.027757612	Intergenic	NA	NA
13	4804095	4804185	1	-0.0982	5	0.0035	0.0055	0.16979	0.26799	0.018410549	Intergenic	NA	NA
13	5338341	5338483	1	-0.066457	11	0.002	0.0063	0.29102	0.35748	0.012269327	Intergenic	NA	NA
13	26433425	26433504	1	-0.159062	5	0.01	0.038	0.50908	0.66814	0.037614679	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	27712184	27712280	1	-0.270301	7	0.00019	5.50E-05	0.31037	0.58068	0.002222187	Intragenic	NM_001047873	Cntnap5b
13	27714568	27714664	1	-0.281765	7	0.00016	5.50E-05	0.29891	0.58068	0.001938916	Intragenic	NM_001047873	Cntnap5b
13	30023561	30023683	1	0.172939	5	0.012	0.088	0.81336	0.64042	0.042700096	Intragenic	NM_001012748	Cdh20
13	31842781	31842852	1	-0.09366	5	0.00021	0.00098	0.027069	0.12073	0.002348182	Intragenic	NM_016993	Bcl2
13	36553394	36553433	1	-0.091163	5	0.0017	0.0055	0.83212	0.92328	0.011044014	Intergenic	NA	NA
13	36754155	36754349	1	0.055987	12	0.014	0.022	0.86473	0.80874	0.04726441	Intergenic	NA	NA
13	40091729	40091808	1	-0.170308	5	1.00E-05	0.00098	0.091775	0.26208	0.000218343	Intergenic	NA	NA
13	40486821	40486914	1	-0.1219	5	0.0049	0.0093	0.2745	0.3964	0.023345384	Intergenic	NA	NA
13	40634988	40635106	1	-0.13974	5	0.0053	0.039	0.13869	0.27843	0.024662043	Intragenic	NM_053821	Ralb
13	40783331	40783421	0.0002	-0.111862	8	9.20E-10	7.30E-10	0.01464	0.1265	1.11E-07	Intragenic	NM_001012023	Epb4.1l5
13	41258811	41259193	1	-0.086031	7	0.0023	0.013	0.15092	0.23695	0.013777597	Intragenic	NM_031853	Dbi
13	41289368	41289576	1	-0.060447	5	0.015	0.039	0.072747	0.13319	0.049419643	Intragenic	NM_001134500	LOC288978
13	41634643	41634703	1	-0.053591	5	0.0024	0.0054	0.035311	0.088902	0.014124402	Intergenic	NA	NA
13	50523287	50523416	1	-0.111358	8	0.0052	0.017	0.46322	0.57458	0.024631579	Intergenic	NA	NA
13	55301441	55301494	1	0.13065	5	0.0063	0.0092	0.82382	0.69317	0.027757612	Intragenic	NM_001047925	LOC498231
13	55713949	55714201	1	-0.093176	9	0.015	0.023	0.11741	0.21058	0.049419643	Intergenic	NA	NA
13	56206831	56206971	1	-0.069575	5	0.0035	0.0032	0.005	0.074575	0.018410549	Intragenic	NM_080409	Ppfia4
13	56961752	56961855	1	-0.254541	5	0.0063	0.059	0.2473	0.50184	0.027757612	Intergenic	NA	NA
13	58156793	58156856	1	-0.143707	5	0.00021	0.0054	0.13082	0.27453	0.002348182	Intragenic	NM_001134502	RGD1311892
13	58531971	58532024	1	0.081725	5	0.01	0.039	0.79739	0.71566	0.037614679	Intergenic	NA	NA
13	59016964	59017074	1	-0.124684	5	0.0041	0.024	0.16178	0.28646	0.020486121	Intergenic	NA	NA
13	59205682	59205767	1	-0.073486	8	8.90E-07	2.90E-05	0.02282	0.096307	3.48E-05	Intergenic	NA	NA
13	70077462	70077536	1	-0.172379	7	0.0017	0.013	0.19292	0.3653	0.011044014	Intergenic	NA	NA
13	71219744	71220219	1	0.060414	11	0.015	0.018	0.76903	0.70862	0.049419643	Intergenic	NA	NA
13	73516145	73516420	1	-0.053742	5	0.013	0.059	0.016589	0.070331	0.04506341	Intergenic	NA	NA
13	74008294	74008482	1	-0.100066	11	0.00016	0.00028	0.14128	0.24135	0.001938916	Intragenic	NM_022242	Fam129a
13	74201236	74201314	1	-0.10603	6	0.0013	0.0045	0.1179	0.22393	0.009111111	Intergenic	NA	NA
13	74738207	74738281	1	-0.15995	5	0.0035	0.0055	0.34526	0.50521	0.018410549	Intragenic	NM_001105958	Tsen15
13	75146188	75146210	1	-0.052688	5	0.0074	0.00014	0.03316	0.085848	0.030871679	TSS	NM_001105957:NM	Rgl1:Arpc5
13	75179124	75179186	1	-0.14695	5	0.0029	0.015	0.2658	0.41275	0.016164653	Intergenic	NA	NA
13	75595757	75596276	1	-0.12107	14	0.00026	0.00073	0.1823	0.30337	0.002784906	Intergenic	NA	NA
13	75657980	75658161	1	0.225233	10	0.0033	0.054	0.52459	0.29936	0.017946942	Intragenic	NM_053966	Lamc1
13	76269608	76269725	1	-0.075214	5	0.0094	0.058	0.80223	0.87745	0.036473186	Intergenic	NA	NA
13	77815035	77815194	1	-0.059042	7	0.0001	0.00029	0.025797	0.084839	0.001327338	Intergenic	NA	NA
13	85507423	85507479	0.0019	-0.208099	5	6.30E-08	6.80E-09	0.067848	0.27595	4.39E-06	TSS	NR_111961	Prrc2c
13	87628146	87628203	1	-0.120255	5	0.0087	0.18	0.16134	0.2816	0.034705946	Intragenic	NM_013113	Atp1b1
13	93162316	93162364	1	0.181992	5	0.0094	0.059	0.55379	0.3718	0.036473186	TSS	NM_017293	Uhmk1
13	93162496	93162572	1	-0.057946	14	1.60E-07	6.20E-06	0.066493	0.12444	9.23E-06	TSS	NM_017293	Uhmk1
13	93162579	93162614	1	-0.121962	5	0.0035	0.00014	0.31325	0.43521	0.018410549	TSS	NM_017293	Uhmk1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	93865925	93865974	1	-0.125796	5	0.01	0.015	0.39414	0.51993	0.037614679	Intergenic	NA	NA
13	94501247	94501307	0.16	-0.171358	9	2.20E-06	5.60E-07	0.17464	0.346	6.91E-05	Intergenic	NA	NA
13	94962591	94962669	1	-0.050867	12	0.00026	0.0038	0.060535	0.1114	0.002784906	Intragenic	NM_001105970	Nhlh1
13	96443337	96443397	1	-0.068648	5	0.002	0.015	0.87141	0.94006	0.012269327	Intergenic	NA	NA
13	98770488	98770709	1	0.129408	7	0.0062	0.039	0.76044	0.63103	0.027757612	Intragenic	NM_001191674	Pld5
13	99495325	99495479	1	-0.127856	5	1.90E-06	7.50E-06	0.02431	0.15217	6.26E-05	Intragenic	NM_177929	Sdccag8
13	100175828	100175895	1	-0.0757	5	5.00E-05	0.00027	0.052371	0.12807	0.000803922	Intergenic	NA	NA
13	100422028	100422180	1	-0.129048	5	0.012	0.0032	0.10574	0.23479	0.042700096	Intergenic	NA	NA
13	100438255	100438329	1	-0.196892	5	0.00019	7.10E-05	0.10526	0.30216	0.002222187	Intergenic	NA	NA
13	101632860	101633000	1	-0.099779	6	0.00057	9.20E-05	0.040967	0.14075	0.004925761	Intergenic	NA	NA
13	102679361	102679485	1	0.066286	5	0.01	0.025	0.86709	0.8008	0.037614679	Intragenic	NM_001025762	Smyd3
13	102883682	102883806	1	0.065671	5	0.011	0.0093	0.86647	0.8008	0.040408163	Intergenic	NA	NA
13	104040148	104040506	1	-0.07142	5	0.01	0.059	0.046676	0.1181	0.037614679	Intergenic	NA	NA
13	107465364	107465438	1	-0.122982	5	0.0058	0.0055	0.047077	0.17006	0.026163814	TSS	NM_001100857	RGD1310587
13	109539923	109540006	1	-0.076718	5	0.0049	0.0055	0.068006	0.14472	0.023345384	Intergenic	NA	NA
13	110058605	110058671	1	0.161038	5	0.0035	0.015	0.75397	0.59293	0.018410549	TSS	NM_001108858	Ddx3y
13	110769064	110769276	1	-0.127444	8	1.50E-05	0.00041	0.08304	0.21048	0.000310955	TSS	NM_203336	Esrrg
13	110964113	110964231	1	-0.131946	7	0.00093	0.0019	0.092877	0.22482	0.007046612	Intragenic	NM_203336	Esrrg
13	111388395	111388489	1	-0.169938	5	0.0058	0.086	0.45334	0.62327	0.026163814	Intergenic	NA	NA
13	113000710	113000834	1	-0.050716	5	0.0045	0.038	0.0054032	0.056119	0.021964286	Intergenic	NA	NA
13	113259703	113259806	1	-0.113422	5	0.015	0.015	0.096567	0.20999	0.049419643	TSS	NM_206851	Smyd2
13	115264074	115264411	1	-0.153465	5	0.0068	0.038	0.19755	0.35102	0.029075319	Intergenic	NA	NA
13	115306385	115306437	1	-0.094307	10	0.0031	0.021	0.2339	0.32821	0.01722741	Intergenic	NA	NA
14	1140402	1140435	1	-0.12052	7	0.0017	0.055	0.31739	0.43791	0.011044014	Intergenic	NA	NA
14	2048008	2048120	1	-0.084613	5	0.0035	0.015	0.041468	0.12608	0.018410549	TSS	NM_022287	Slc26a1
14	3064578	3064652	7.30E-06	-0.060565	12	1.90E-13	2.60E-11	0.0076997	0.068264	7.01E-11	Intragenic	NM_012566	Gfi1
14	3097113	3097218	0.67	-0.13614	7	3.60E-05	2.40E-06	0.072753	0.20889	0.000622201	Intergenic	NA	NA
14	4345575	4345610	1	-0.050643	5	0.0041	0.0055	0.022906	0.073549	0.020486121	Intergenic	NA	NA
14	5042401	5042477	1	-0.06041	5	8.80E-05	0.00098	0.0081006	0.06851	0.00123	Intergenic	NA	NA
14	5087993	5088060	1	-0.11512	5	0.0094	0.038	0.11257	0.22769	0.036473186	Intragenic	NM_001008338	Lrrc8d
14	5093427	5093509	1	-0.105532	5	7.10E-06	6.90E-05	0.12996	0.23549	0.000169026	TSS	NM_001008338	Lrrc8d
14	5193547	5193679	1	-0.073614	5	0.01	0.015	0.13114	0.20475	0.037614679	Intergenic	NA	NA
14	5193729	5193840	1	-0.173631	5	0.00088	0.0093	0.14917	0.32281	0.006722981	Intergenic	NA	NA
14	6155259	6155327	1	-0.060832	5	0.0022	0.024	0.07084	0.13167	0.01321074	Intragenic	NM_001037205:NM	Abcg3l4:Abcg3l
14	6985038	6985147	1	-0.070464	5	0.00088	0.0018	0.031831	0.1023	0.006722981	TSS	NM_012946	Sparcl1
14	7281902	7282034	1	-0.113937	5	0.0063	0.0091	0.14319	0.25712	0.027757612	Intragenic	NM_001107206	Aff1
14	7282662	7282738	1	-0.160064	5	0.0074	0.038	0.23086	0.39092	0.030871679	Intragenic	NM_001107206	Aff1
14	8834219	8834512	1	-0.097525	15	0.0019	0.096	0.2662	0.36373	0.011943782	Intergenic	NA	NA
14	9103754	9103815	1	0.052748	5	2.50E-06	0.83	0.053835	0.001087	7.69E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	9339021	9339111	1	-0.240889	5	0.00029	0.0031	0.28911	0.53	0.002984937	Intragenic	NM_001170551	Wdfy3
14	9365107	9365184	1	0.067611	5	0.0068	0.0092	0.95271	0.8851	0.029075319	Intragenic	NM_031242	Cds1
14	10466649	10466689	1	-0.06508	5	0.015	0.039	0.73442	0.7995	0.049419643	Intergenic	NA	NA
14	10466727	10466813	1	0.203189	5	9.80E-05	3.20E-05	0.83764	0.63445	0.001307848	Intergenic	NA	NA
14	10838916	10839056	1	-0.218939	9	1.60E-08	2.80E-05	0.15634	0.37528	1.42E-06	Intragenic	NM_033021	Sec31a
14	10926051	10926281	1	-0.123521	10	0.013	0.0063	0.27464	0.39816	0.04506341	Intergenic	NA	NA
14	10973350	10973541	1	-0.162523	11	0.00062	0.004	0.46833	0.63085	0.005241237	Intergenic	NA	NA
14	11108451	11108520	1	0.143721	5	0.00039	0.0031	0.89126	0.74754	0.003723415	Intragenic	NM_001108354	Tmem150c
14	14335256	14335325	1	-0.167663	5	0.0035	0.0055	0.20057	0.36823	0.018410549	Intragenic	NM_012823	Anxa3
14	15629871	15629908	1	-0.156415	5	0.0041	0.015	0.41145	0.56787	0.020486121	Intergenic	NA	NA
14	15634315	15634352	1	-0.160788	5	0.0035	0.015	0.40708	0.56787	0.018410549	Intergenic	NA	NA
14	16802100	16802286	1	-0.101066	5	0.00088	0.0032	0.07087	0.17194	0.006722981	Intragenic	NM_001100889	Shroom3
14	33126190	33126319	1	-0.064253	5	0.012	0.025	0.07507	0.13932	0.042700096	Intergenic	NA	NA
14	35536476	35536575	1	-0.090698	6	0.0047	0.0045	0.044337	0.13503	0.022879947	Intragenic	NM_001105736	Chic2
14	46694292	46694544	1	0.050978	44	0.012	0.11	0.18222	0.17125	0.042700096	Intergenic	NA	NA
14	46743414	46743686	1	-0.082157	21	0.0095	0.041	0.23523	0.30323	0.036841829	Intergenic	NA	NA
14	46757205	46757275	1	-0.108636	5	0.0008	0.0092	0.1433	0.25194	0.006267516	Intergenic	NA	NA
14	46767626	46767651	1	-0.226788	5	0.0032	0.015	0.094854	0.32164	0.017454545	Intergenic	NA	NA
14	46810592	46810717	1	-0.085639	9	0.00036	0.0036	0.17954	0.26518	0.003505013	Intergenic	NA	NA
14	46813148	46813382	0.00012	-0.101877	18	5.20E-14	4.20E-10	0.084576	0.18645	3.20E-11	TSS	NM_001025002	LOC310926
14	46815534	46815727	1	-0.079987	17	9.80E-05	0.0052	0.1291	0.1679	0.001307848	TSS	NM_001025002	LOC310926
14	46815776	46816103	1	-0.054609	35	6.60E-06	0.00064	0.22155	0.28755	0.000161821	TSS	NM_001025002	LOC310926
14	46816435	46817808	1	-0.07756	204	6.90E-10	1.50E-05	0.181	0.20131	8.63E-08	TSS	NM_001025002	LOC310926
14	46821075	46821169	1	-0.061212	5	0.0013	0.039	0.14075	0.20196	0.009111111	TSS	NR_046239	Rn45s
14	46823416	46823446	1	0.137829	5	0.00021	0.0018	0.37216	0.23433	0.002348182	TSS	NR_046238	Rn5-8s
14	46825564	46825579	1	-0.270928	5	9.80E-05	0.0018	0.1938	0.46473	0.001307848	TSS	NR_046238:NR_04	Rn5-8s:Rn28s
14	46856058	46856810	1	-0.06154	71	2.50E-09	4.20E-06	0.14553	0.18002	2.67E-07	Intragenic	NM_001025002	LOC310926
14	46861824	46861845	1	-0.069189	5	0.0058	0.0054	0.099045	0.16823	0.026163814	TSS	NR_046238	Rn5-8s
14	46863999	46864012	1	-0.170045	5	0.0038	0.058	0.29632	0.46636	0.019583799	TSS	NR_046238	Rn5-8s
14	46864093	46864108	1	-0.074894	5	0.0032	0.0091	0.1798	0.25469	0.017454545	TSS	NR_046238	Rn5-8s
14	47850245	47850269	0.042	-0.149738	6	6.90E-09	1.50E-07	0.0075338	0.15727	6.53E-07	Intergenic	NA	NA
14	48003072	48003111	1	-0.177405	7	0.0001	0.0054	0.33642	0.51382	0.001327338	Intergenic	NA	NA
14	48476703	48476742	1	-0.156864	7	0.00043	0.0022	0.35696	0.51382	0.004073684	Intergenic	NA	NA
14	49725297	49725394	1	0.074834	5	0.0068	0.024	0.94519	0.87035	0.029075319	Intergenic	NA	NA
14	49921040	49921113	1	0.092625	5	0.0014	0.0092	0.92401	0.83139	0.00960223	Intergenic	NA	NA
14	57118702	57118826	1	0.077074	7	0.0011	0.0082	0.93367	0.8566	0.007982301	Intergenic	NA	NA
14	64537611	64537671	1	0.066881	5	0.0017	0.0054	0.98714	0.92026	0.011044014	Intragenic	NM_001106010	Gba3
14	64799802	64800097	1	-0.129356	5	0.014	0.058	0.16323	0.29258	0.04726441	Intergenic	NA	NA
14	76817999	76818074	1	-0.102017	5	0.0029	0.015	0.039952	0.14197	0.016164653	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	79326681	79326815	1	-0.153793	5	0.012	0.0054	0.078408	0.2322	0.042700096	Intragenic	NM_001107225	Sorcs2
14	80495253	80495313	1	-0.113768	5	0.002	0.015	0.11429	0.22806	0.012269327	Intragenic	NM_001100655	Nacad
14	82968713	82968931	1	-0.103721	11	0.0015	0.026	0.20152	0.30524	0.01019337	Intragenic	NM_053429	Fgfr3
14	84452533	84452795	1	-0.140451	12	7.80E-05	0.0053	0.24278	0.38323	0.001113424	Intragenic	NM_001013049	Smtn
14	84572786	84572868	0.34	-0.112876	7	7.00E-08	1.20E-06	0.053619	0.16649	4.78E-06	TSS	NR_130147	Tug1
14	84928560	84928594	1	-0.132889	5	0.014	0.18	0.18796	0.32085	0.04726441	Intragenic	NM_001109447	Gal3st1
14	84928949	84928980	1	-0.117554	5	0.0016	0.0018	0.060825	0.17838	0.010628263	Intragenic	NM_001109447	Gal3st1
14	85139242	85139288	1	-0.138613	5	0.0041	0.015	0.41296	0.55157	0.020486121	Intergenic	NA	NA
14	85844478	85844576	1	-0.198094	5	0.0027	0.015	0.12776	0.32586	0.015434547	Intragenic	NM_001012153	Thoc5
14	85991967	85992006	1	0.183745	6	0.00057	0.0026	0.5562	0.37246	0.004925761	Intragenic	NM_001108365	Gas2l1
14	86072562	86072733	1	-0.110801	10	3.70E-05	0.0013	0.13571	0.24651	0.000637991	TSS	NM_001109467	Emid1
14	86183012	86183147	1	-0.201828	5	0.00059	0.0054	0.15702	0.35885	0.005010587	Intergenic	NA	NA
14	87939222	87939451	1	-0.09634	5	0.0013	0.015	0.74159	0.83793	0.009111111	Intergenic	NA	NA
14	88704570	88705117	1	-0.051033	11	0.0009	0.015	0.050812	0.10185	0.006847423	Intergenic	NA	NA
14	89519099	89519181	1	-0.090741	5	0.00014	0.0054	0.76959	0.86033	0.00174527	Intragenic	NM_001106020	Abca13
14	91913734	91913866	0.74	-0.094803	14	1.40E-09	2.60E-06	0.089473	0.18428	1.64E-07	TSS	NM_001109093	Grb10
14	91913872	91913915	1	-0.127983	5	0.00015	0.0018	0.11106	0.23904	0.001835821	TSS	NM_001109093	Grb10
14	91913926	91914126	5.40E-15	-0.170278	25	4.50E-14	1.90E-20	0.20618	0.37646	3.20E-11	TSS	NM_001109093	Grb10
14	91914414	91914437	1	-0.169712	5	0.0094	0.00053	0.33019	0.4999	0.036473186	TSS	NM_001109093	Grb10
14	91914909	91914960	1	-0.154991	5	1.30E-05	1.50E-05	0.25283	0.40782	0.000273333	TSS	NM_001109093	Grb10
14	94137289	94137387	1	0.050889	7	0.015	0.078	0.88052	0.82964	0.049419643	Intergenic	NA	NA
14	101496608	101496670	1	-0.108509	5	0.008	0.0054	0.76961	0.87812	0.03243956	Intergenic	NA	NA
14	102047472	102047569	1	0.1203	17	0.014	0.018	0.44127	0.32097	0.04726441	TSS	NM_001109094	Etaa1
14	102052749	102052846	1	0.118791	17	0.015	0.019	0.43833	0.31954	0.049419643	Intergenic	NA	NA
14	102917111	102917288	1	-0.052648	7	0.0062	0.027	0.050002	0.10265	0.027757612	Intergenic	NA	NA
14	103184660	103184780	1	-0.186867	5	0.0053	0.0018	0.14616	0.33302	0.024662043	Intergenic	NA	NA
14	103943581	103943696	1	-0.123682	10	9.00E-05	1.50E-05	0.043799	0.16748	0.001248496	Intragenic	NM_001047094	Spred2
14	103967885	103967998	1	-0.065369	5	0.0041	0.015	0.071038	0.13641	0.020486121	Intragenic	NM_001047094	Spred2
14	104782545	104782767	1	-0.086206	7	8.30E-06	1.60E-05	0.016485	0.10269	0.000194457	TSS	NM_001134730	Lgalsl
14	106042686	106042768	1	-0.116477	5	0.00014	0.00053	0.098486	0.21496	0.00174527	Intergenic	NA	NA
14	107175748	107175836	1	-0.127227	9	0.011	0.062	0.66603	0.79325	0.040408163	Intragenic	NM_001305130	Ehbp1
14	107824610	107824758	1	0.177572	12	8.40E-06	0.0013	0.53496	0.35739	0.000195558	TSS	NM_001017504	Zrsr1
14	107825417	107825458	1	0.071811	5	0.014	0.038	0.3456	0.27378	0.04726441	TSS	NM_001017504	Zrsr1
14	107827099	107827233	0.91	-0.224723	9	1.60E-06	3.20E-06	0.070708	0.29543	5.47E-05	TSS	NM_001017504	Zrsr1
14	108258064	108258173	1	0.097296	5	0.0035	0.024	0.91078	0.81348	0.018410549	Intergenic	NA	NA
14	108333191	108333338	1	-0.105148	5	0.014	0.088	0.056391	0.16154	0.04726441	Intergenic	NA	NA
14	108457965	108458080	1	0.052441	8	0.0033	0.025	0.92518	0.87274	0.017946942	Intergenic	NA	NA
14	109798465	109798535	1	-0.158495	5	0.0038	0.025	0.24197	0.40046	0.019583799	Intergenic	NA	NA
14	114362563	114362661	1	-0.064772	5	0.00059	0.0031	0.023723	0.088495	0.005010587	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	114818809	114818966	1	-0.062134	7	0.00062	0.0054	0.013547	0.075681	0.005241237	Intergenic	NA	NA
15	2350523	2350577	1	0.103913	5	0.0053	0.038	0.25317	0.14926	0.024662043	Intergenic	NA	NA
15	2354391	2354443	1	-0.059638	5	0.0074	0.0053	0.12985	0.18948	0.030871679	Intergenic	NA	NA
15	2359105	2359189	1	-0.05306	5	0.002	0.038	0.040804	0.093864	0.012269327	Intragenic	NM_001107250	Zfp503
15	2359204	2359235	1	-0.05503	5	0.00065	0.0018	0.036215	0.091245	0.005335929	Intragenic	NM_001107250	Zfp503
15	2359375	2359483	1	-0.077955	5	0.0032	0.024	0.060201	0.13816	0.017454545	Intragenic	NM_001107250	Zfp503
15	2359543	2359588	1	-0.214183	6	8.30E-07	2.50E-05	0.20996	0.42414	3.35E-05	Intragenic	NM_001107250	Zfp503
15	2361538	2361603	1	-0.067515	5	0.0058	0.059	0.086463	0.15398	0.026163814	Intergenic	NA	NA
15	2362487	2362575	1	-0.204203	5	0.00097	7.00E-05	0.10453	0.30873	0.007223613	Intergenic	NA	NA
15	2501966	2502034	1	0.114162	5	0.0094	0.015	0.69247	0.57831	0.036473186	Intergenic	NA	NA
15	3440159	3440284	1	0.073818	5	0.0032	0.038	0.97715	0.90333	0.017454545	Intragenic	NM_001107248	Vcl
15	3655338	3655471	1	0.181025	9	0.0093	0.11	0.62437	0.44334	0.036473186	Intergenic	NA	NA
15	8668422	8668537	1	-0.120332	5	0.002	0.0018	0.12118	0.24152	0.012269327	Intragenic	NM_001039516	Kcnk5
15	8676265	8676356	1	-0.064161	5	0.0058	0.0032	0.031812	0.095973	0.026163814	Intragenic	NM_001039516	Kcnk5
15	9329952	9330076	1.30E-11	-0.203333	14	4.50E-14	4.50E-17	0.44539	0.64872	3.20E-11	Intergenic	NA	NA
15	9393053	9393281	1	-0.13095	18	0.00052	0.011	0.36737	0.49832	0.00468	Intragenic	NM_134459	Cd99l2
15	9795551	9795629	1	-0.123545	5	0.014	0.015	0.39945	0.52299	0.04726441	Intragenic	NM_134459	Cd99l2
15	9795686	9795721	1	-0.163473	5	0.0094	0.038	0.24043	0.4039	0.036473186	Intragenic	NM_134459	Cd99l2
15	11915472	11915554	1	-0.167181	5	7.80E-05	0.00014	0.063002	0.23018	0.001113424	Intragenic	NM_001108371	Ube2e2
15	13272816	13272942	1	-0.155058	5	0.0016	0.0093	0.13085	0.2859	0.010628263	Intragenic	NM_001270854:NM	Thrb:Thrb
15	16740144	16740187	1	0.063299	5	0.0068	0.0053	0.9054	0.8421	0.029075319	Intergenic	NA	NA
15	16751458	16751501	1	0.076538	5	0.0053	0.0053	0.91864	0.8421	0.024662043	Intergenic	NA	NA
15	22817953	22818246	1	-0.079037	12	0.0025	0.0013	0.053544	0.13258	0.01468949	Intragenic	NM_001107288	Flnb
15	23394604	23394656	1	-0.094918	7	0.0018	0.0083	0.33788	0.43279	0.011652632	Intergenic	NA	NA
15	23568778	23568890	1	-0.065369	8	0.0012	0.048	0.07732	0.14269	0.008573088	TSS	NM_001013994	Rcor2
15	23789219	23789295	1	-0.129689	5	0.00054	0.0054	0.46716	0.59685	0.004710638	Intragenic	NM_001011915	Fermt2
15	25885196	25885235	1	-0.16535	5	0.0058	0.025	0.2786	0.44395	0.026163814	Intergenic	NA	NA
15	28233291	28233357	1	-0.171375	5	0.00012	0.00052	0.084252	0.25563	0.00153218	Intragenic	NM_001107257	Fbxo34
15	29399028	29399100	1	-0.162326	7	0.0062	0.04	0.2737	0.43602	0.027757612	Intergenic	NA	NA
15	32194278	32194471	1	-0.069043	5	0.0053	0.0017	0.036929	0.10597	0.024662043	Intragenic	NM_001271313	Arhgef40
15	32211592	32211696	1	-0.138777	7	3.40E-05	0.0005	0.10406	0.24284	0.000597429	Intragenic	NM_001271313	Arhgef40
15	39936289	39936417	1	-0.175785	5	0.0087	0.0032	0.1473	0.32308	0.034705946	Intergenic	NA	NA
15	41349247	41349290	1	0.055925	5	0.00029	0.00053	0.96166	0.90573	0.002984937	Intergenic	NA	NA
15	41520471	41520599	1	-0.179275	5	0.011	0.0032	0.14381	0.32308	0.040408163	Intergenic	NA	NA
15	42492627	42492693	1	-0.054946	5	0.01	0.015	0.83842	0.89337	0.037614679	Intragenic	NM_001024272:NM	Phf11:Phf11b
15	42548109	42548175	1	-0.055109	5	0.013	0.059	0.83826	0.89337	0.04506341	Intergenic	NA	NA
15	44478249	44478311	1	-0.14536	5	0.01	0.038	0.61103	0.75639	0.037614679	Intergenic	NA	NA
15	45495739	45495858	1	-0.090607	5	0.0019	0.0031	0.034678	0.12529	0.011943782	TSS	NM_001108381	Ebpl
15	47566481	47566559	1	-0.116793	5	0.015	0.087	0.15668	0.27347	0.049419643	Intragenic	NM_001108383	Ebf2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
15	47694383	47694420	1	-0.062661	5	0.0045	0.0018	0.053108	0.11577	0.021964286	Intergenic	NA	NA
15	50040866	50040958	1	-0.223721	5	0.0014	0.0018	0.10443	0.32815	0.00960223	Intergenic	NA	NA
15	51121492	51121601	1	0.134225	5	0.013	0.015	0.65153	0.5173	0.04506341	Intergenic	NA	NA
15	51546765	51546886	1	-0.147773	6	0.00084	0.0025	0.12121	0.26898	0.006539241	Intragenic	NM_053307	Msra
15	52550869	52551007	1	-0.071921	5	0.0016	0.0055	0.047981	0.1199	0.010628263	Intragenic	NM_013007	Pnoc
15	55228442	55228598	1	-0.072919	7	6.00E-05	0.00082	0.038601	0.11152	0.0009225	Intergenic	NA	NA
15	65356811	65356848	1	-0.053831	5	0.013	0.13	0.084579	0.13841	0.04506341	TSS	NM_001302944	Kbtbd7
15	65395530	65395567	1	-0.053831	5	0.013	0.13	0.084579	0.13841	0.04506341	TSS	NM_001012045	Kbtbd6
15	67829734	67829823	1	-0.123827	8	2.10E-05	5.50E-06	0.33932	0.46314	0.00041328	Intergenic	NA	NA
15	78470809	78470886	1	-0.294759	5	0.00036	0.0018	0.33277	0.62753	0.003505013	Intergenic	NA	NA
15	78714981	78715030	1	0.206867	5	0.0045	0.0054	0.59317	0.38631	0.021964286	Intergenic	NA	NA
15	86356630	86356730	1	-0.066325	5	0.0074	0.038	0.11548	0.1818	0.030871679	Intergenic	NA	NA
15	93684103	93684320	1	-0.095979	8	0.0067	0.019	0.17317	0.26915	0.029075319	Intergenic	NA	NA
15	107351070	107351143	0.97	-0.227337	5	9.80E-07	3.40E-06	0.090712	0.31805	3.73E-05	Intragenic	NM_133411	Abcc4
15	107428805	107428870	1	-0.169194	5	0.00015	0.00028	0.12636	0.29555	0.001835821	Intergenic	NA	NA
15	107518622	107518677	1	0.317784	5	0.0012	0.003	0.49461	0.17683	0.008573088	Intragenic	NM_001106058	Cldn10
15	109902335	109902374	1	0.24905	5	0.0049	0.0018	0.39787	0.14882	0.023345384	Intragenic	NM_001107287	Farp1
16	280668	280810	1	-0.07547	9	0.015	0.032	0.21464	0.29011	0.049419643	Intergenic	NA	NA
16	2925991	2926232	1	0.056444	13	0.0097	0.14	0.11738	0.060936	0.037479581	TSS	NM_001106061	Arhgef3
16	4417971	4418149	1	-0.123589	7	0.0044	0.11	0.23317	0.35675	0.021881402	Intragenic	NM_022631	Wnt5a
16	5979312	5979344	1	0.052631	5	7.80E-05	0.83	0.052632	1.00E-07	0.001113424	TSS	NM_001309459	Actr8
16	6455258	6455352	1	-0.08127	6	0.00097	0.0072	0.10623	0.1875	0.007223613	Intergenic	NA	NA
16	6519809	6519941	1	-0.12841	5	0.0035	0.039	0.12835	0.25676	0.018410549	Intergenic	NA	NA
16	6625379	6625587	1	-0.100289	5	0.0014	0.0031	0.10718	0.20747	0.00960223	Intergenic	NA	NA
16	7237286	7237599	1	-0.161175	5	7.80E-05	0.00027	0.057114	0.21829	0.001113424	Intragenic	NM_001100882	Sema3g
16	7476804	7476928	1	-0.259873	5	0.0035	0.039	0.39175	0.65162	0.018410549	Intergenic	NA	NA
16	9597437	9597494	1	0.178321	5	0.013	0.0092	0.66539	0.48707	0.04506341	Intragenic	NM_001170593:NM	Chat:Grid1
16	11395377	11395415	1	-0.05569	5	0.0053	0.015	0.86474	0.92043	0.024662043	Intergenic	NA	NA
16	12278113	12278278	1	-0.090911	8	0.0088	0.07	0.20428	0.29519	0.03504803	Intergenic	NA	NA
16	17565803	17565843	1	-0.074331	5	0.00032	0.0055	0.075616	0.14995	0.003243956	Intragenic	NM_001170349	Sh2d4b
16	18259951	18259978	1	-0.166358	5	9.20E-06	0.00014	0.097522	0.26388	0.000206371	Intergenic	NA	NA
16	18589390	18589472	1	-0.167039	8	0.0015	0.026	0.16547	0.33251	0.01019337	Intergenic	NA	NA
16	19084156	19084205	1	-0.130663	5	0.0019	0.0092	0.41477	0.54543	0.011943782	TSS	NM_001007684	Klf2
16	19084944	19085111	1	0.136364	17	0.011	0.057	0.13262	0.078963	0.040408163	TSS	NM_001007684	Klf2
16	19766838	19767017	1	-0.089319	11	0.0048	0.078	0.20192	0.29124	0.023320606	Intergenic	NA	NA
16	19780168	19780211	1	-0.055234	5	0.0024	0.015	0.054303	0.10954	0.014124402	TSS	NM_020086	Plvap
16	19814423	19814630	1	-0.162125	7	0.0026	0.0075	0.21619	0.37831	0.015204437	Intergenic	NA	NA
16	19972919	19973194	0.58	-0.102046	15	2.30E-10	2.10E-06	0.062986	0.16503	3.54E-08	Intragenic	NM_012855	Jak3
16	19976903	19977152	1	-0.141354	5	1.50E-05	0.00027	0.071532	0.21289	0.000310955	Intragenic	NM_012855	Jak3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	19977955	19978109	1	-0.113246	15	9.20E-05	0.004	0.21835	0.3316	0.001271461	Intragenic	NM_012855	Jak3
16	19978656	19978779	1	-0.084184	7	0.00018	0.0013	0.01711	0.10129	0.002142581	Intragenic	NM_012855	Jak3
16	19996653	19996717	1	-0.073801	7	9.00E-05	0.0022	0.05299	0.12679	0.001248496	Intragenic	NM_001106069	Fcho1
16	20052636	20052716	1	0.107056	5	0.0013	0.0055	0.89166	0.78461	0.009111111	Intergenic	NA	NA
16	20071540	20071696	1	0.110305	9	0.013	0.11	0.78516	0.67486	0.04506341	Intergenic	NA	NA
16	20414920	20415017	1	-0.148566	5	0.0063	0.0055	0.20721	0.35577	0.027757612	Intergenic	NA	NA
16	20443665	20444063	0.0005	-0.095133	30	1.70E-12	1.80E-09	0.088141	0.18327	4.65E-10	Intragenic	NM_001014236	Ssbp4
16	20444425	20444447	1	-0.144419	7	6.00E-05	1.60E-05	0.087379	0.2318	0.0009225	Intragenic	NM_001014236	Ssbp4
16	20444476	20444499	1	-0.073146	5	0.0029	0.0055	0.073312	0.14646	0.016164653	Intragenic	NM_001014236	Ssbp4
16	20444501	20444522	1	-0.054331	5	0.0019	0.00053	0.056699	0.11103	0.011943782	Intragenic	NM_001014236	Ssbp4
16	20444689	20444795	1	-0.157033	12	0.0026	0.039	0.33412	0.45732	0.015204437	Intragenic	NM_001014236	Ssbp4
16	21473507	21473597	1	-0.090088	8	0.0099	0.016	0.20538	0.29546	0.037614679	Intergenic	NA	NA
16	30997508	30997584	1	-0.088664	5	0.0022	0.0031	0.063831	0.1525	0.01321074	Intergenic	NA	NA
16	32026219	32026295	1	-0.091006	5	0.0017	0.0054	0.061489	0.1525	0.011044014	Intragenic	NM_198764	Sh3rf1
16	34146199	34146350	1	0.067998	8	0.011	0.12	0.82635	0.75835	0.040408163	Intergenic	NA	NA
16	46732401	46732608	1	-0.096183	12	6.80E-09	3.80E-06	0.045153	0.14134	6.52E-07	Intergenic	NA	NA
16	48980578	48980693	1	-0.153165	5	0.013	0.025	0.18366	0.33682	0.04506341	TSS	NM_053515	Slc25a4
16	49867781	49867811	1	-0.129754	5	0.0041	3.40E-05	0.72899	0.85875	0.020486121	Intergenic	NA	NA
16	51741920	51742001	0.87	-0.164279	6	4.30E-06	3.10E-06	0.012417	0.1767	0.000114978	Intergenic	NA	NA
16	61004553	61004587	1	0.072174	5	0.011	0.0055	0.92936	0.85718	0.040408163	Intergenic	NA	NA
16	61448844	61448955	1	-0.106246	5	0.0041	0.025	0.12479	0.23104	0.020486121	Intragenic	NM_001107317	Mboat4
16	61472053	61472160	0.43	-0.15329	5	1.90E-06	1.50E-06	0.11422	0.26751	6.26E-05	Intragenic	NM_001106085	Dctn6
16	61644468	61644795	1	-0.071491	7	0.012	0.1	0.11927	0.19076	0.042700096	Intragenic	NM_001271244	Rbpms
16	61732025	61732208	1	-0.079705	5	0.0008	0.0032	0.05412	0.13383	0.006267516	Intragenic	NM_001271244	Rbpms
16	61737590	61737756	1	-0.082095	5	0.00048	0.0018	0.055355	0.13745	0.004351843	Intragenic	NM_001271244	Rbpms
16	64992317	64992371	1	-0.115345	5	0.00026	0.0055	0.5656	0.68095	0.002784906	Intergenic	NA	NA
16	65975532	65975633	1	0.08075	5	0.0027	0.0018	0.94156	0.86081	0.015434547	Intergenic	NA	NA
16	68752396	68752602	1	0.143745	8	0.015	0.023	0.68333	0.53959	0.049419643	Intragenic	NM_001191555:NM	Rab11fip1:Rab11
16	68912989	68913040	1	-0.206764	5	0.00014	0.00014	0.12736	0.33412	0.00174527	Intragenic	NM_001109425	Zfp703
16	68913092	68913121	1	-0.155094	5	7.80E-05	0.0018	0.14997	0.30507	0.001113424	Intragenic	NM_001109425	Zfp703
16	71071366	71071435	1	0.270871	5	0.0094	0.0092	0.36168	0.090807	0.036473186	Intergenic	NA	NA
16	71333666	71333763	0.019	-0.151516	7	4.40E-08	6.70E-08	0.020008	0.17152	3.31E-06	Intragenic	NM_001004107	Tacc1
16	71409696	71409751	1	-0.135641	5	3.10E-05	0.00098	0.0087814	0.14442	0.000549952	Intergenic	NA	NA
16	71867752	71868058	1	-0.142192	12	0.0067	0.14	0.47476	0.61695	0.029075319	TSS	NM_023973	Ido1
16	74422855	74423096	1	0.181631	8	0.0002	0.0039	0.65297	0.47134	0.002324409	Intergenic	NA	NA
16	75376069	75376195	1	-0.069171	5	0.0038	0.0092	0.08623	0.1554	0.019583799	Intergenic	NA	NA
16	77819419	77819616	1	-0.193572	5	0.002	0.059	0.54185	0.73542	0.012269327	Intragenic	NM_001037327	Csmd1
16	78024361	78024409	1	0.065931	5	0.0053	0.058	0.93186	0.86593	0.024662043	Intragenic	NM_001037327	Csmd1
16	79275104	79275320	1	-0.103837	13	3.90E-06	0.0001	0.067663	0.1715	0.000108203	Intragenic	NM_001107326	Kbtbd11

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
16	80002551	80002722	1	-0.141017	10	0.011	0.04	0.23654	0.37755	0.040408163	Intragenic	NM_053901	Dlgap2
16	80314936	80315096	1	-0.279416	5	7.10E-06	7.50E-06	0.050068	0.32948	0.000169026	Intragenic	NM_001100791	Tdrp
16	80465772	80465932	1	-0.265127	5	7.10E-06	7.50E-06	0.050068	0.31519	0.000169026	Intergenic	NA	NA
16	82032754	82032901	1	-0.085313	9	3.50E-06	4.70E-05	0.019826	0.10514	9.90E-05	Intergenic	NA	NA
16	82129775	82129844	1	-0.131167	5	0.0029	0.015	0.14862	0.27978	0.016164653	Intergenic	NA	NA
16	82169962	82170539	1	-0.07128	9	0.0018	0.034	0.12017	0.19145	0.011652632	Intergenic	NA	NA
16	82626138	82626183	1	0.074226	7	0.0048	0.0054	0.92976	0.85553	0.023320606	Intergenic	NA	NA
16	82728184	82728308	1	-0.144902	5	0.008	0.13	0.12833	0.27323	0.03243956	Intergenic	NA	NA
16	82787249	82787313	1	0.10749	5	0.002	0.00098	0.85305	0.74556	0.012269327	Intragenic	NM_001177684	Cars2
16	83081484	83081606	1	-0.141199	5	0.0063	0.088	0.14223	0.28343	0.027757612	Intragenic	NM_001135009	Col4a1
16	83953781	83954027	1	-0.074181	10	4.50E-05	0.0028	0.076114	0.15029	0.000744619	Intergenic	NA	NA
16	89853906	89854022	1	0.068326	5	0.0074	0.0093	0.87581	0.80748	0.030871679	Intergenic	NA	NA
17	411688	411933	1	-0.101268	7	0.0083	0.075	0.093968	0.19524	0.033563836	TSS	NM_012558	Fbp1
17	1058916	1058973	1	-0.196766	5	1.10E-06	1.60E-05	0.062633	0.2594	4.02E-05	Intragenic	NM_053566	Ptch1
17	5089623	5089777	1	-0.119468	10	0.00064	0.0052	0.32541	0.44488	0.005335929	Intergenic	NA	NA
17	5202643	5202832	1	-0.07498	15	0.00011	0.0027	0.12671	0.20169	0.001431746	Intergenic	NA	NA
17	5264010	5264040	1	-0.085274	5	0.0068	0.037	0.17578	0.26106	0.029075319	Intergenic	NA	NA
17	5264052	5264092	1	-0.051766	5	0.00065	0.0054	0.067044	0.11881	0.005335929	Intergenic	NA	NA
17	5340441	5340630	1	-0.076385	15	9.80E-05	0.0064	0.12531	0.20169	0.001307848	Intergenic	NA	NA
17	5365570	5365759	1	-0.076358	15	8.60E-05	0.0048	0.12534	0.20169	0.001215862	Intergenic	NA	NA
17	6927744	6927880	1	-0.144155	9	7.00E-05	0.00013	0.14509	0.28924	0.001035271	Intergenic	NA	NA
17	7210161	7210304	1	-0.054944	8	0.005	0.026	0.032175	0.08712	0.023791103	Intergenic	NA	NA
17	7293300	7293405	1	0.112464	5	0.0074	0.0018	0.82256	0.7101	0.030871679	Intergenic	NA	NA
17	7955132	7955224	1	0.13973	5	0.0074	0.025	0.88515	0.74542	0.030871679	Intergenic	NA	NA
17	8061930	8062052	1	-0.138933	7	0.013	0.055	0.29434	0.43327	0.04506341	Intergenic	NA	NA
17	9128032	9128117	1	-0.08055	5	0.013	0.088	0.11458	0.19513	0.04506341	Intergenic	NA	NA
17	9168590	9168756	1	0.065547	13	0.011	0.0085	0.78999	0.72444	0.040408163	Intergenic	NA	NA
17	9507028	9507115	1	-0.166969	5	0.00011	7.00E-05	0.17535	0.34232	0.001431746	Intergenic	NA	NA
17	9568327	9568473	1	-0.146079	5	0.014	0.015	0.29288	0.43895	0.04726441	Intergenic	NA	NA
17	10176001	10176107	1	-0.085197	5	0.0016	0.0032	0.25866	0.34386	0.010628263	Intergenic	NA	NA
17	10652455	10652577	1	-0.14452	8	0.0016	0.0059	0.20073	0.34525	0.010628263	Intergenic	NA	NA
17	10680429	10680458	1	-0.165462	5	0.0068	0.00014	0.12412	0.28958	0.029075319	Intergenic	NA	NA
17	10781417	10781607	1	-0.087002	5	0.00021	0.0018	0.037024	0.12403	0.002348182	Intergenic	NA	NA
17	11049477	11049629	1	-0.050773	10	0.0009	0.0029	0.024041	0.074814	0.006847423	Intragenic	NM_053624	Pitx1
17	11208268	11208315	1	0.07162	7	0.00033	0.00082	0.91907	0.84745	0.003313469	Intragenic	NM_001024998	Txndc15
17	11251261	11251519	1	-0.076236	14	0.00057	0.038	0.14106	0.21729	0.004925761	Intragenic	NM_001024998	Txndc15
17	12100391	12100475	1	-0.166706	5	2.80E-05	3.40E-05	0.12577	0.29248	0.000511485	Intragenic	NM_001109904	Fgfr4
17	12454879	12454966	1	-0.062247	5	0.0014	0.0055	0.035275	0.097522	0.00960223	Intergenic	NA	NA
17	13831826	13831891	1	-0.122272	5	0.011	0.038	0.71003	0.8323	0.040408163	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	14015542	14015597	1	-0.121636	5	0.0058	0.015	0.14807	0.26971	0.026163814	Intergenic	NA	NA
17	18367029	18367123	1	-0.167126	7	2.90E-05	7.20E-05	0.51827	0.68539	0.000525848	Intergenic	NA	NA
17	20067574	20067644	1	-0.070617	5	0.0053	0.015	0.053823	0.12444	0.024662043	Intragenic	NM_001108881	Rnf144b
17	21335461	21335648	1	-0.069436	9	1.30E-05	0.00013	0.10587	0.1753	0.000273333	Intragenic	NM_012726	Atxn1
17	22133987	22134122	1	-0.144927	8	0.0017	0.0025	0.28194	0.42687	0.011044014	Intragenic	NM_001037664	Dtnbp1
17	26097353	26097439	1	-0.094669	5	3.30E-06	0.00014	0.038683	0.13335	9.48E-05	Intergenic	NA	NA
17	26873280	26873375	1	-0.113185	5	0.0013	0.024	0.090361	0.20355	0.009111111	Intergenic	NA	NA
17	27134919	27135307	1	0.140762	5	0.008	0.038	0.77241	0.63165	0.03243956	Intergenic	NA	NA
17	27730724	27730824	1	-0.10222	5	0.0016	0.0031	0.20656	0.30878	0.010628263	Intergenic	NA	NA
17	29444476	29444647	1	-0.113867	9	0.00062	0.0008	0.19631	0.31018	0.005241237	Intergenic	NA	NA
17	29676387	29676533	1	-0.080692	5	0.0016	0.0093	0.055733	0.13642	0.010628263	Intergenic	NA	NA
17	31706354	31706407	1	-0.132679	5	0.0045	0.0091	0.18	0.31267	0.021964286	Intragenic	NM_001014145	Cdyl
17	44192765	44192818	1	-0.122799	5	0.0029	0.025	0.41429	0.53709	0.016164653	Intragenic	NM_001014009	Fam65b
17	44917197	44917395	1	-0.067207	9	0.0022	0.00078	0.034619	0.10183	0.01321074	TSS	NM_001191692	Lrrc16a
17	45918772	45918911	1	-0.143245	12	3.10E-05	0.0073	0.15633	0.29957	0.000549952	Intergenic	NA	NA
17	46268112	46268242	1	-0.15591	5	0.0087	0.087	0.47306	0.62897	0.034705946	Intergenic	NA	NA
17	51155986	51156068	1	-0.112816	5	0.014	0.015	0.3924	0.50522	0.04726441	Intragenic	NM_001106117	Hecw1
17	55351046	55351161	1	-0.17393	5	0.00014	0.00014	0.086401	0.26033	0.00174527	Intragenic	NM_001309462	Epc1
17	55492779	55492926	1	-0.080294	5	0.0087	0.088	0.71711	0.79741	0.034705946	Intergenic	NA	NA
17	56692507	56692701	1	-0.149735	9	0.0038	0.046	0.3728	0.52253	0.019583799	Intragenic	NM_001108415	Elmo1
17	58720164	58720218	1	-0.067448	5	0.00097	0.0031	0.039141	0.10659	0.007223613	Intergenic	NA	NA
17	58810270	58810359	1	-0.058859	5	0.0068	0.0018	0.0663	0.12516	0.029075319	Intergenic	NA	NA
17	59052971	59053073	3.50E-05	-0.226002	14	7.80E-14	1.20E-10	0.16889	0.39489	3.20E-11	Intergenic	NA	NA
17	62747315	62747388	1	-0.133789	7	3.00E-06	5.40E-05	0.44606	0.57985	8.86E-05	Intergenic	NA	NA
17	62747879	62747944	1	-0.164094	5	0.0045	0.039	0.56374	0.72783	0.021964286	Intergenic	NA	NA
17	65113286	65113364	1	-0.060982	5	0.0087	0.059	0.069806	0.13079	0.034705946	Intergenic	NA	NA
17	67464551	67464656	1	-0.22517	5	0.00017	0.0031	0.28132	0.50649	0.002036688	Intragenic	NM_001191043:NM	Ryr2;Ryr2
17	68942346	68942580	6.50E-05	-0.081154	27	2.90E-13	2.30E-10	0.064936	0.14609	1.02E-10	Intergenic	NA	NA
17	70633793	70633979	1	0.052041	16	0.0077	0.01	0.80227	0.75023	0.03196063	Intergenic	NA	NA
17	71918503	71918654	1	-0.21333	7	2.20E-07	4.60E-06	0.03297	0.2463	1.14E-05	Intragenic	NM_001108420	Asb13
17	73543776	73543868	1	-0.082308	7	0.0018	0.0082	0.065839	0.14815	0.011652632	Intragenic	NM_001107364	Sfmbt2
17	74118892	74118981	1	0.059271	5	0.012	0.015	0.10566	0.046387	0.042700096	Intragenic	NM_133293	Gata3
17	77777643	77777691	1	-0.215157	7	0.00083	0.0083	0.39163	0.60679	0.006481905	Intergenic	NA	NA
17	77777720	77777783	1	-0.176348	5	0.0068	0.039	0.34713	0.52347	0.029075319	Intergenic	NA	NA
17	78783686	78783723	1	0.07009	5	0.0024	0.0031	0.1389	0.06881	0.014124402	Intergenic	NA	NA
17	79284727	79284980	1	-0.137968	5	0.0035	0.015	0.18006	0.31803	0.018410549	Intragenic	NM_138523	Prpf18
17	79285012	79285082	0.00088	-0.265327	7	4.80E-10	3.10E-09	0.045311	0.31064	6.68E-08	Intragenic	NM_138523	Prpf18
17	79910096	79910211	1	-0.152258	8	0.0034	0.017	0.24086	0.39311	0.018409391	Intergenic	NA	NA
17	86550872	86551417	1	-0.1054	12	0.0011	0.052	0.21935	0.32475	0.007982301	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
17	87550514	87550678	1	-0.057131	7	0.013	0.039	0.091297	0.14843	0.04506341	Intergenic	NA	NA
17	88907694	88907774	1	-0.108559	5	2.40E-05	0.00014	0.10003	0.20859	0.000455321	Intergenic	NA	NA
17	88964451	88964591	1	-0.169185	5	0.00036	0.0055	0.03896	0.20815	0.003505013	Intergenic	NA	NA
17	89256930	89257017	1	-0.316431	7	1.90E-07	1.70E-05	0.1266	0.44303	1.05E-05	Intergenic	NA	NA
17	89835240	89835298	1	-0.093649	5	0.0094	0.024	0.11712	0.21077	0.036473186	Intergenic	NA	NA
17	89903354	89903577	1	-0.107824	5	0.011	0.024	0.087792	0.19562	0.040408163	TSS	NM_001170326	Gpr158
17	91905483	91905545	1	0.07983	5	0.012	0.038	0.87118	0.79135	0.042700096	Intergenic	NA	NA
18	447325	447386	0.00088	-0.080359	7	2.50E-08	3.10E-09	0.0083333	0.088692	2.15E-06	TSS	NM_001135757	Fundc2
18	2387962	2387999	1	-0.057292	5	0.00021	0.00053	0.010025	0.067316	0.002348182	Intergenic	NA	NA
18	2436864	2436901	1	-0.057292	5	0.00021	0.00053	0.010025	0.067316	0.002348182	TSS	NM_019185	Gata6
18	3712840	3712916	1	0.066216	5	0.0053	0.024	0.15505	0.088835	0.024662043	Intergenic	NA	NA
18	11589032	11589080	1	-0.183705	5	0.00088	0.039	0.35423	0.53794	0.006722981	TSS	NM_001107402	Dsc3
18	13154198	13154377	1	0.063622	5	0.0087	0.038	0.99191	0.92828	0.034705946	Intergenic	NA	NA
18	15365131	15365208	1	0.076839	5	0.0041	0.0093	0.95506	0.87823	0.020486121	Intragenic	NM_001101000	Mapre2
18	17755168	17755190	1	-0.152072	5	0.00011	0.0031	0.049727	0.2018	0.001431746	Intragenic	NM_001107400	Celf4
18	24467617	24467814	1	-0.247774	7	1.20E-07	8.80E-06	0.12885	0.37662	7.14E-06	Intragenic	NM_001191941	Myo7b
18	24496699	24496726	1	-0.291692	5	2.40E-05	3.50E-05	0.20992	0.50161	0.000455321	Intragenic	NM_001191941	Myo7b
18	24660559	24660860	1	-0.094215	9	4.80E-05	0.0061	0.10723	0.20145	0.000788953	Intergenic	NA	NA
18	26484819	26485021	1	-0.053876	7	0.0017	0.0008	0.01327	0.067147	0.011044014	Intergenic	NA	NA
18	28349465	28349581	1	-0.076964	7	0.0011	0.0083	0.068023	0.14499	0.007982301	Intergenic	NA	NA
18	28353179	28353276	1	-0.094864	6	0.0069	0.12	0.11824	0.21311	0.029451706	Intergenic	NA	NA
18	28385705	28385780	1	-0.068704	7	0.0022	0.018	0.070853	0.13956	0.01321074	Intergenic	NA	NA
18	29248806	29248913	1	-0.171906	5	0.0045	0.0092	0.37144	0.54335	0.021964286	Intergenic	NA	NA
18	29810733	29810757	1	-0.056312	5	0.0027	0.0093	0.020485	0.076797	0.015434547	TSS	NM_199509	Pcdhac1
18	30502905	30502956	1	0.103259	5	0.012	0.13	0.27934	0.17608	0.042700096	TSS	NM_001037140	Pcdhga1
18	30520355	30520473	1	-0.154186	5	0.0019	0.059	0.17857	0.33276	0.011943782	Intragenic	NM_001037140:NM_001037140	Pcdhga1:Pcdhg
18	30590320	30590356	1	-0.104772	5	0.011	0.025	0.13292	0.23769	0.040408163	TSS	NM_001037135	Pcdhga10
18	31318563	31318612	1	-0.074492	5	0.00015	3.40E-05	0.0089921	0.083484	0.001835821	Intergenic	NA	NA
18	32118048	32118281	1	-0.138763	9	0.0058	0.052	0.22018	0.35894	0.026163814	Intragenic	NM_012576	Nr3c1
18	32271989	32272033	1	-0.059955	5	0.01	0.059	0.08518	0.14514	0.037614679	TSS	NM_001106150	Spry4
18	32283405	32283566	1	-0.179202	7	0.0076	0.038	0.34484	0.52405	0.031563309	Intragenic	NM_012576:NM_012576	Nr3c1:Spry4
18	44179353	44179527	1	0.050362	14	2.90E-05	2.80E-05	0.86147	0.81111	0.000525848	Intergenic	NA	NA
18	45566168	45566365	1	-0.123955	5	0.00088	0.0093	0.061904	0.18586	0.006722981	Intergenic	NA	NA
18	46725082	46725151	1	-0.060811	5	0.0053	0.088	0.04	0.10081	0.024662043	Intragenic	NM_017061	Lox
18	46725666	46725701	1	0.058145	5	0.002	0.0092	0.090415	0.03227	0.012269327	Intragenic	NM_017061	Lox
18	49215968	49216068	0.59	-0.053939	7	2.00E-06	2.10E-06	0.019043	0.072982	6.50E-05	Intergenic	NA	NA
18	50633585	50633671	1	-0.100218	5	0.014	0.13	0.76081	0.86103	0.04726441	Intergenic	NA	NA
18	51087851	51087994	1	-0.115401	5	0.00012	6.70E-05	0.08127	0.19667	0.00153218	Intragenic	NM_001007759	3-Mar
18	52488171	52488285	1	0.1103	5	9.80E-05	0.83	0.1151	0.0047986	0.001307848	TSS	NM_031826	Fbn2

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	56517961	56518093	1	-0.056392	5	0.008	0.059	0.061578	0.11797	0.03243956	Intergenic	NA	NA
18	57512014	57512175	1	-0.15485	5	0.012	0.088	0.093255	0.24811	0.042700096	Intergenic	NA	NA
18	59286847	59286946	1	-0.129252	7	0.014	0.078	0.32662	0.45587	0.04726441	Intragenic	NM_001106140	Atp8b1
18	59362539	59362589	1	-0.056944	5	0.0053	0.0018	0.0064689	0.063413	0.024662043	Intergenic	NA	NA
18	61366906	61366981	1	-0.103663	5	0.0014	0.0092	0.17905	0.28271	0.00960223	TSS	NM_001008385	Pmaip1
18	61571336	61571442	1	-0.177265	5	0.0024	0.015	0.17928	0.35654	0.014124402	Intergenic	NA	NA
18	63112429	63112530	1	0.095693	5	0.013	0.0093	0.27178	0.17609	0.04506341	Intragenic	NM_001271365	Ldlrad4
18	63666874	63667032	1	0.114832	5	0.00097	0.0055	0.8174	0.70257	0.007223613	Intergenic	NA	NA
18	64473487	64473547	1	-0.104864	5	0.015	0.088	0.29721	0.40207	0.049419643	Intragenic	NM_053369	Tcf4
18	69087207	69087252	1	-0.217395	5	7.80E-05	0.00053	0.25542	0.47281	0.001113424	TSS	NM_019319	Mapk4
18	69625967	69626025	1	-0.064099	5	0.0063	0.059	0.10077	0.16487	0.027757612	Intragenic	NM_017083	Myo5b
18	70539394	70539487	1	-0.077935	5	3.50E-05	0.00097	0.046422	0.12436	0.000606338	Intragenic	NM_030858	Smad7
18	70692447	70692500	1	-0.072353	5	0.0049	0.039	0.076633	0.14899	0.023345384	Intragenic	NM_001108891	Ctif
18	70814968	70815021	1	-0.06653	5	0.0074	0.059	0.082456	0.14899	0.030871679	Intragenic	NM_001108891	Ctif
18	72023415	72023532	1	0.109002	5	0.0022	0.0054	0.24602	0.13702	0.01321074	Intragenic	NM_001013189	Pqlc1
18	73891855	73891982	1	-0.209878	5	0.00029	0.0018	0.20355	0.41342	0.002984937	Intragenic	NM_001271281	Pstpip2
18	74774233	74774339	1	-0.224211	5	0.0087	0.0093	0.24906	0.47327	0.034705946	Intergenic	NA	NA
18	76681847	76681950	1	-0.098348	7	0.015	0.038	0.64908	0.74743	0.049419643	TSS	NM_001108892	Sall3
18	77225336	77225462	1	0.092035	5	0.0063	0.00048	0.73527	0.64323	0.027757612	Intergenic	NA	NA
18	78805338	78805399	1	-0.166287	5	0.013	0.13	0.4269	0.59319	0.04506341	Intergenic	NA	NA
18	79170982	79171037	1	-0.173049	5	0.00088	0.0017	0.1248	0.29785	0.006722981	Intergenic	NA	NA
18	79171557	79171599	1	-0.262663	5	0.0074	0.13	0.59839	0.86106	0.030871679	Intergenic	NA	NA
18	80728195	80728305	1	-0.163926	5	0.0045	0.13	0.20649	0.37042	0.021964286	Intergenic	NA	NA
19	4924947	4925029	1	-0.082157	5	0.00023	0.0054	0.7799	0.86206	0.002525893	Intergenic	NA	NA
19	5092351	5092511	1	-0.093343	7	0.0012	0.018	0.35606	0.4494	0.008573088	Intergenic	NA	NA
19	5826356	5826475	1	-0.082543	8	0.00014	0.00061	0.14484	0.22738	0.00174527	Intergenic	NA	NA
19	10289953	10290270	1	-0.051739	13	0.0074	0.015	0.02096	0.058323	0.030871679	Intergenic	NA	NA
19	10290378	10290483	0.34	-0.163842	7	4.40E-08	1.20E-06	0.028908	0.19275	3.31E-06	Intergenic	NA	NA
19	10520500	10520541	1	-0.229049	5	0.0017	0.0017	0.14188	0.37093	0.011044014	Intragenic	NM_001108437	Ccdc102a
19	10648672	10648981	1	-0.097602	7	4.80E-05	0.00017	0.027162	0.12476	0.000788953	TSS	NM_134455	Cx3cl1
19	11278081	11278190	1	-0.109197	7	0.00026	0.0014	0.062178	0.17137	0.002784906	TSS	NM_138826	Mt1
19	11425874	11425937	1	-0.058399	5	7.80E-05	0.0055	0.051469	0.10987	0.001113424	TSS	NM_001107411:NM	Ogfod1:Nudt21
19	26918561	26918787	1	-0.105967	7	0.0092	0.039	0.17588	0.28185	0.036473186	TSS	NM_001107413	Irx3
19	26919218	26919257	1	0.069227	5	0.00048	0.0054	0.1005	0.031274	0.004351843	TSS	NM_001107413	Irx3
19	27479036	27479146	1	0.121407	6	0.0078	0.084	0.92486	0.80346	0.032284913	Intergenic	NA	NA
19	27494121	27494157	1	0.081873	5	0.00059	0.003	0.15745	0.075578	0.005010587	Intragenic	NM_001030044	Irx5
19	30188105	30188262	1	-0.117164	9	0.00015	0.012	0.13873	0.25589	0.001835821	Intergenic	NA	NA
19	30207097	30207255	1	-0.118594	9	0.0056	0.062	0.29131	0.40991	0.025943503	Intergenic	NA	NA
19	30398064	30398199	1	-0.149297	9	5.30E-05	0.0054	0.16792	0.31721	0.000841161	Intragenic	NM_001106172	Nod2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	30398216	30398376	1	-0.06095	5	0.0016	0.0055	0.064153	0.1251	0.010628263	Intragenic	NM_001106172	Nod2
19	30436415	30436466	0.0019	-0.17663	5	6.30E-08	6.80E-09	0.022514	0.19914	4.39E-06	Intragenic	NM_001024999	Snx20
19	33946052	33946235	1	-0.088993	8	0.0075	0.05	0.092771	0.18176	0.031235892	Intergenic	NA	NA
19	34290129	34290229	1	0.142343	5	0.0087	0.015	0.88068	0.73833	0.034705946	Intergenic	NA	NA
19	36013447	36013614	1	-0.080506	5	0.012	0.025	0.042809	0.12331	0.042700096	Intergenic	NA	NA
19	36100881	36100995	1	-0.103495	8	0.015	0.036	0.5087	0.61219	0.049419643	Intergenic	NA	NA
19	36124887	36124932	1	0.12253	5	0.0058	0.088	0.37205	0.24952	0.026163814	Intergenic	NA	NA
19	36176197	36176466	1	-0.147835	14	9.90E-07	0.0024	0.20082	0.34866	3.75E-05	Intragenic	NM_001105944	Rfx1
19	36793044	36793093	1	-0.05672	5	0.0022	0.015	0.062746	0.11947	0.01321074	Intragenic	NM_001007677	Lyl1
19	36862211	36862286	1	-0.141538	7	0.00014	0.0022	0.23387	0.37541	0.00174527	Intragenic	NM_030866	Nfix
19	36875398	36875448	1	-0.107683	5	0.0058	0.025	0.14297	0.25065	0.026163814	Intragenic	NM_030866	Nfix
19	36958937	36959000	1	-0.061062	8	0.0099	0.065	0.16411	0.22517	0.037614679	TSS	NM_001191557	Syce2
19	37002223	37002401	1.50E-07	-0.073086	16	7.30E-14	5.30E-13	0.021689	0.094775	3.20E-11	Intragenic	NM_181089	MAST1
19	37087051	37087152	1	-0.118098	9	0.014	0.035	0.31294	0.43104	0.04726441	Intragenic	NM_001100562	Hook2
19	37182524	37182580	1	-0.169871	5	0.0019	0.0055	0.12744	0.29731	0.011943782	Intragenic	NM_199404	Man2b1
19	41909664	41909841	1	-0.157926	5	0.00032	0.00098	0.0093359	0.16726	0.003243956	Intragenic	NM_001191699	Frem3
19	44018418	44018459	1	-0.157415	5	0.008	0.059	0.43864	0.59606	0.03243956	Intergenic	NA	NA
19	45099142	45099324	1	-0.110185	5	0.0029	0.0092	0.16371	0.27389	0.016164653	Intragenic	NM_001109501	Arhgap10
19	48091123	48091197	1	-0.186648	5	7.00E-05	0.0018	0.13228	0.31893	0.001035271	TSS	NM_001106177	Hsf4
19	48528051	48528080	1	-0.050667	5	0.0019	0.015	0.022487	0.073154	0.011943782	Intergenic	NA	NA
19	48777575	48777643	1	-0.052448	6	0.00028	0.0027	0.02414	0.076588	0.002984937	TSS	NM_001025637	Psmb10
19	51418755	51418786	1	-0.163584	5	0.0019	0.015	0.36816	0.53174	0.011943782	Intergenic	NA	NA
19	52416226	52416328	1	-0.12143	7	0.012	0.0082	0.69501	0.81644	0.042700096	Intergenic	NA	NA
19	53149913	53149970	1	-0.054829	5	2.80E-05	3.40E-05	0.013397	0.068225	0.000511485	Intergenic	NA	NA
19	53595721	53595823	1	-0.148339	5	0.0012	0.00098	0.13427	0.28261	0.008573088	Intergenic	NA	NA
19	53720270	53720469	1	-0.174457	6	5.80E-05	0.0016	0.10072	0.27518	0.000901137	Intergenic	NA	NA
19	54146248	54146332	1	-0.142158	5	0.0022	0.038	0.11781	0.25997	0.01321074	Intergenic	NA	NA
19	54742858	54743344	0.016	-0.148476	19	2.30E-09	5.60E-08	0.080328	0.2288	2.53E-07	Intragenic	NM_012931	Bcar1
19	57646345	57646445	1	-0.11389	5	0.0014	0.015	0.0616	0.17549	0.00960223	Intragenic	NM_001106188	Wwox
19	58303831	58303982	1	-0.134685	5	0.00044	0.015	0.083483	0.21817	0.0041	Intergenic	NA	NA
19	58415166	58415227	1	-0.11236	8	4.10E-06	1.00E-05	0.08597	0.19833	0.000112483	Intergenic	NA	NA
19	58805094	58805231	1	-0.105621	5	0.0049	0.025	0.037307	0.14293	0.023345384	Intergenic	NA	NA
19	59924260	59924326	1	-0.174401	5	0.0035	0.088	0.31766	0.49206	0.018410549	Intragenic	NM_001106189	Cdyl2
19	60146974	60147037	1	-0.109413	5	0.008	0.00052	0.085789	0.1952	0.03243956	Intergenic	NA	NA
19	60150354	60150417	1	-0.123012	5	0.008	0.00014	0.075458	0.19847	0.03243956	Intergenic	NA	NA
19	60582964	60583031	1	-0.1478	5	0.013	0.0054	0.21493	0.36273	0.04506341	Intragenic	NM_001163273	Cmip
19	60583057	60583145	1	-0.066103	5	0.014	0.00052	0.11363	0.17973	0.04726441	Intragenic	NM_001163273	Cmip
19	60628518	60628655	1	-0.105621	5	0.0049	0.025	0.037307	0.14293	0.023345384	Intragenic	NM_001163273	Cmip
19	60631175	60631268	1	-0.260374	5	2.20E-06	7.60E-06	0.084923	0.3453	6.91E-05	Intragenic	NM_001163273	Cmip

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	60679127	60679191	0.077	-0.154786	5	4.20E-07	2.70E-07	0.017029	0.17181	1.93E-05	Intragenic	NM_001163273	Cmip
19	60754356	60754612	1	-0.100652	6	7.50E-05	0.00055	0.04084	0.14149	0.00110259	Intragenic	NM_001163273	Cmip
19	62227820	62227921	1	-0.122727	5	8.80E-05	3.40E-05	0.022397	0.14512	0.00123	Intragenic	NM_138889	Cdh13
19	63128048	63128113	1	-0.098955	7	0.012	0.037	0.27935	0.37831	0.042700096	Intragenic	NM_134462	Atp2c2
19	63210841	63210884	1	-0.134638	5	0.00017	0.00013	0.21527	0.34991	0.002036688	Intragenic	NM_001108452	Cotl1
19	63231502	63231671	1	-0.142695	7	0.0029	0.04	0.29466	0.43736	0.016164653	Intragenic	NM_001108452	Cotl1
19	63288800	63289021	1	-0.061201	5	0.0094	0.015	0.01907	0.080271	0.036473186	Intergenic	NA	NA
19	63529969	63530063	1	0.082446	5	0.0068	0.024	0.92208	0.83963	0.029075319	Intergenic	NA	NA
19	63631025	63631422	1	-0.111087	11	0.014	0.0074	0.29606	0.40715	0.04726441	Intergenic	NA	NA
19	63964455	63964663	1	-0.145676	5	0.00019	0.0032	0.08444	0.23012	0.002222187	Intergenic	NA	NA
19	64087086	64087209	1	-0.074491	8	0.0037	0.0083	0.076918	0.15141	0.019379702	Intergenic	NA	NA
19	64089356	64089430	1	-0.101582	8	0.0092	0.12	0.11274	0.21432	0.036473186	Intergenic	NA	NA
19	64091928	64092012	1	-0.089828	5	0.0029	0.015	0.067969	0.1578	0.016164653	Intergenic	NA	NA
19	64226742	64226825	0.97	-0.381	5	3.30E-06	3.40E-06	0.1089	0.4899	9.48E-05	Intragenic	NM_001044259	Fbxo31
19	64647104	64647552	1	-0.158079	5	0.0058	0.015	0.15824	0.31632	0.026163814	Intergenic	NA	NA
19	64768362	64768494	1	-0.135848	6	0.00016	0.0003	0.033808	0.16966	0.001938916	Intergenic	NA	NA
19	64803689	64803740	1	-0.137563	5	0.0019	0.024	0.080309	0.21787	0.011943782	Intergenic	NA	NA
19	65018217	65018260	1	0.120387	5	0.012	0.0018	0.91185	0.79146	0.042700096	Intergenic	NA	NA
19	65578105	65578155	1	-0.084425	5	0.0058	0.13	0.13725	0.22167	0.026163814	Intergenic	NA	NA
19	65796580	65796672	1	0.128165	5	0.0022	0.0053	0.87861	0.75045	0.01321074	Intergenic	NA	NA
19	65864474	65864514	1	-0.163784	5	2.90E-06	0.00014	0.035532	0.19932	8.70E-05	Intragenic	NM_001242627	Zfpm1
19	65864515	65864624	1	-0.067155	5	0.0038	0.024	0.043845	0.111	0.019583799	Intragenic	NM_001242627	Zfpm1
19	65864862	65864901	1	-0.084942	5	0.008	0.039	0.15362	0.23856	0.03243956	Intragenic	NM_001242627	Zfpm1
19	65864954	65864988	1	-0.060529	5	6.20E-05	7.60E-06	0.10487	0.1654	0.000939548	Intragenic	NM_001242627	Zfpm1
19	65865110	65865148	9.60E-07	-0.123848	9	4.40E-12	3.40E-12	0.11723	0.24108	1.08E-09	Intragenic	NM_001242627	Zfpm1
19	65865342	65865362	1	-0.091832	5	0.00015	0.00052	0.078706	0.17054	0.001835821	Intragenic	NM_001242627	Zfpm1
19	65865780	65865902	1	-0.18031	8	3.10E-05	0.0026	0.23618	0.41649	0.000549952	Intragenic	NM_001242627	Zfpm1
19	66623081	66623160	1	-0.068212	5	0.015	0.088	0.032722	0.10093	0.049419643	TSS	NM_031101	Rpl13
19	67187644	67187986	1	0.119432	5	3.90E-05	0.00014	0.16119	0.041759	0.000661655	Intergenic	NA	NA
19	67188798	67189079	1	0.164404	5	0.00048	0.0093	0.36079	0.19639	0.004351843	Intergenic	NA	NA
19	68167440	68167506	1	-0.156586	5	0.0045	0.059	0.21024	0.36683	0.021964286	Intragenic	NM_001136162	Ttc13
19	68220120	68220207	1	-0.104608	5	0.0035	0.025	0.35456	0.45917	0.018410549	TSS	NM_001011711	Fam89a
19	68570682	68570771	1	-0.100857	7	0.0026	0.039	0.05507	0.15593	0.015204437	Intragenic	NM_175596	Disc1
19	68573894	68573957	1	-0.135325	5	0.011	0.015	0.4311	0.56643	0.040408163	Intragenic	NM_175596	Disc1
19	68613255	68613439	1	-0.086432	7	0.015	0.11	0.20742	0.29385	0.049419643	Intragenic	NM_175596	Disc1
19	68768303	68768426	1	-0.277177	5	0.00059	0.0092	0.15015	0.42732	0.005010587	Intragenic	NM_175596	Disc1
19	68917680	68917808	1	-0.174127	8	0.0034	0.051	0.34458	0.5187	0.018409391	Intergenic	NA	NA
19	69203740	69203796	1	-0.090144	7	0.00069	0.0078	0.13871	0.22885	0.00562053	TSS	NM_001277391	Map10
19	70326646	70326930	1	-0.054203	12	1.00E-07	9.20E-05	0.011885	0.066088	6.15E-06	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	70742410	70742559	1	-0.083414	8	0.0092	0.036	0.14409	0.2275	0.036473186	Intragenic	NM_031235	Pard3
19	71067091	71067416	1	-0.092409	8	0.00041	0.0026	0.085997	0.17841	0.003904258	Intragenic	NM_031235	Pard3
19	72758789	72759013	1	0.061544	9	0.013	0.03	0.81455	0.75301	0.04506341	Intragenic	NM_001011561	Ccdc7
19	72867755	72867875	1	-0.052575	5	0.0022	0.00053	0.0058761	0.058451	0.01321074	Intergenic	NA	NA
2	537014	537074	1	-0.112855	5	0.00088	0.0092	0.044182	0.15704	0.006722981	Intergenic	NA	NA
2	2681281	2681305	1	0.057392	5	0.008	0.18	0.059116	0.0017241	0.03243956	TSS	NM_001107645	Rhobtb3
2	3097392	3097468	1	-0.15669	5	0.0063	0.088	0.24359	0.40028	0.027757612	Intergenic	NA	NA
2	18426907	18427029	1	-0.070749	5	0.013	0.015	0.066158	0.13691	0.04506341	Intragenic	NM_001170558:NM	Vcan:Vcan:Vcan
2	18725260	18725305	1	0.135354	5	0.011	0.039	0.84366	0.70831	0.040408163	Intragenic	NM_001006999	Xrcc4
2	41803614	41803717	1	-0.138031	5	0.0068	0.037	0.15312	0.29115	0.029075319	Intergenic	NA	NA
2	41803948	41804122	1	-0.101768	8	0.0036	0.023	0.11169	0.21346	0.018923077	Intergenic	NA	NA
2	42437222	42437547	1	-0.119581	14	0.00055	0.0017	0.33614	0.45572	0.004792208	TSS	NM_030850	Bhmt
2	42468329	42468477	1	-0.19164	5	4.40E-05	0.00053	0.057993	0.24963	0.000729708	TSS	NM_001014256:NM	Bhmt2:Dmgdh
2	42469601	42469748	1	-0.1131	10	0.00033	0.016	0.11328	0.22638	0.003313469	TSS	NM_001014256:NM	Bhmt2:Dmgdh
2	45019175	45019279	1	-0.101478	5	0.015	0.015	0.12263	0.22411	0.049419643	Intragenic	NM_001108542	Arhgef28
2	47712819	47712857	1	-0.081273	5	0.015	0.038	0.088536	0.16981	0.049419643	Intergenic	NA	NA
2	48096787	48096901	1	-0.157495	5	3.10E-05	0.00053	0.083502	0.241	0.000549952	TSS	NM_130747	Acot12
2	51619492	51619542	1	-0.121949	5	0.0053	0.00052	0.059754	0.1817	0.024662043	Intergenic	NA	NA
2	52032923	52032973	1	-0.122936	5	0.0049	0.00014	0.058768	0.1817	0.023345384	Intergenic	NA	NA
2	52729483	52729637	1	0.071844	7	0.00051	0.0013	0.94833	0.87648	0.004595604	Intergenic	NA	NA
2	53159416	53159505	1	-0.193143	5	7.00E-05	0.00013	0.10427	0.29742	0.001035271	Intergenic	NA	NA
2	53744185	53744247	1	-0.164249	5	9.20E-06	0.00014	0.58876	0.753	0.000206371	Intergenic	NA	NA
2	54048995	54049027	1	-0.113593	5	1.50E-06	3.50E-05	0.15218	0.26577	5.17E-05	TSS	NM_001013199	Cwc27
2	54184162	54184249	1	-0.187666	5	0.0011	0.0018	0.19547	0.38314	0.007982301	Intergenic	NA	NA
2	54788802	54788884	1	-0.131618	5	0.0074	0.039	0.69841	0.83003	0.030871679	Intergenic	NA	NA
2	55621517	55621787	4.70E-05	-0.138661	15	7.10E-13	1.70E-10	0.091801	0.23046	2.10E-10	Intergenic	NA	NA
2	60475461	60475496	1	0.158166	5	0.0087	0.015	0.26748	0.10932	0.034705946	Intragenic	NM_001113329:NM	Pde4d:Pde4d:P
2	62211536	62211758	1	0.062843	10	0.0081	0.15	0.84062	0.77778	0.032827018	Intergenic	NA	NA
2	62515840	62515899	1	-0.125339	5	6.20E-05	0.00052	0.083383	0.20872	0.000939548	Intergenic	NA	NA
2	63357028	63357413	1	-0.075451	7	0.0021	0.0022	0.097384	0.17283	0.012840099	Intragenic	NM_001008725	Il6st
2	71957155	71957323	1	-0.163052	7	0.0039	0.0083	0.48839	0.65144	0.0199875	Intergenic	NA	NA
2	82131732	82131796	1	-0.138721	7	0.00023	0.00014	0.54041	0.67913	0.002525893	Intergenic	NA	NA
2	82276917	82277011	1	-0.055702	5	0.0019	0.0032	0.019425	0.075126	0.011943782	Intragenic	NM_022940	Pdzd2
2	83729634	83729770	1	-0.210261	5	0.00044	0.0032	0.095568	0.30583	0.0041	Intragenic	NM_012816	Amacr
2	84092426	84092503	1	-0.251703	5	6.30E-06	3.30E-05	0.12821	0.37991	0.000156545	Intragenic	NM_001011947	Rai14
2	84161525	84161623	1	-0.073282	5	0.0074	0.038	0.12969	0.20297	0.030871679	Intergenic	NA	NA
2	97886494	97886611	0.058	-0.119671	11	4.10E-07	2.10E-07	0.090168	0.20984	1.89E-05	Intragenic	NM_001034912	Fam134b
2	97978641	97978679	1	-0.050284	5	6.20E-05	3.40E-05	0.0004951	0.050779	0.000939548	TSS	NM_001009652	Zfp622
2	100366547	100366720	1	-0.1986	6	3.50E-06	8.50E-05	0.083649	0.28225	9.90E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	100955805	100955971	1	-0.067664	7	0.013	0.14	0.59399	0.66165	0.04506341	Intergenic	NA	NA
2	104034999	104035101	1	-0.082079	5	0.00029	0.00052	0.018053	0.10013	0.002984937	Intragenic	NM_001191565	Ankrd33b
2	108504099	108504156	1	-0.120402	5	0.01	0.059	0.68834	0.80874	0.037614679	Intergenic	NA	NA
2	111141578	111141622	1	0.065179	5	0.013	0.025	0.88401	0.81883	0.04506341	Intergenic	NA	NA
2	114395300	114395391	1	0.073962	5	0.01	0.038	0.088345	0.014384	0.037614679	Intergenic	NA	NA
2	138448138	138448225	1	-0.181624	5	3.50E-05	0.00028	0.17568	0.3573	0.000606338	Intergenic	NA	NA
2	142849304	142849350	1	-0.077822	5	0.015	0.13	0.086521	0.16434	0.049419643	Intergenic	NA	NA
2	143263431	143263476	1	0.201261	5	0.00026	0.0032	0.85692	0.65566	0.002784906	Intergenic	NA	NA
2	148401010	148401089	1	0.056805	7	0.00093	0.027	0.92639	0.86958	0.007046612	Intergenic	NA	NA
2	148415759	148415785	1	-0.072245	5	9.20E-06	0.00053	0.038504	0.11075	0.000206371	Intergenic	NA	NA
2	148416172	148416211	1	0.07183	5	0.0008	0.015	0.083898	0.012068	0.006267516	Intergenic	NA	NA
2	160226784	160226984	1	-0.102881	9	0.0012	0.017	0.04511	0.14799	0.008573088	Intragenic	NM_001107675	Maml3
2	160601320	160601660	1	-0.070601	9	0.0025	0.004	0.0454	0.116	0.01468949	Intragenic	NM_001107675	Maml3
2	160609553	160609753	1	-0.10291	9	0.0012	0.017	0.04508	0.14799	0.008573088	Intragenic	NM_001107675	Maml3
2	163517826	163517893	1	0.057693	5	0.0035	0.015	0.99622	0.93852	0.018410549	Intergenic	NA	NA
2	164585883	164586090	1	-0.07836	10	0.00048	0.016	0.085788	0.16415	0.004351843	TSS	NM_001109497	Mab2111
2	166799995	166800071	1	-0.12135	5	0.0035	0.087	0.27295	0.3943	0.018410549	TSS	NM_001106434	Tm4sf1
2	167797365	167797486	0.0011	-0.128122	12	2.30E-11	4.00E-09	0.035193	0.16331	4.47E-09	Intergenic	NA	NA
2	168719081	168719254	1	-0.084133	5	0.0068	0.058	0.75921	0.84334	0.029075319	Intragenic	NM_001169130	Med12l
2	168982746	168982811	1	-0.084844	5	0.0014	0.015	0.079662	0.16451	0.00960223	Intragenic	NM_198768	Igsf10
2	171882803	171882981	1	-0.089105	7	0.012	0.0035	0.52755	0.61665	0.042700096	Intergenic	NA	NA
2	176275511	176275553	1	-0.107813	8	0.0096	0.0083	0.48647	0.59428	0.037112624	Intergenic	NA	NA
2	177458267	177458319	1	0.100746	5	0.0094	0.024	0.15464	0.053898	0.036473186	TSS	NM_001109536	Ptx3
2	180905555	180906042	1	-0.150956	27	8.50E-07	0.00021	0.40866	0.55962	3.35E-05	Intergenic	NA	NA
2	180916315	180916607	1	-0.183362	14	9.20E-06	6.80E-06	0.23885	0.42221	0.000206371	Intergenic	NA	NA
2	180995718	180996002	1	-0.055138	16	0.0041	0.052	0.13544	0.19058	0.020486121	Intergenic	NA	NA
2	182587461	182587616	1	0.067684	8	0.0078	0.037	0.86076	0.79307	0.032284913	Intergenic	NA	NA
2	193160833	193160865	1	-0.14626	5	0.0045	0.0093	0.29634	0.44261	0.021964286	Intergenic	NA	NA
2	193166285	193166359	1	-0.151644	7	0.0059	0.056	0.17244	0.32408	0.02655	Intergenic	NA	NA
2	197176174	197176243	1	-0.12524	7	0.0051	0.039	0.41983	0.54507	0.024220077	Intragenic	NM_001107684	Rapgef2
2	199575242	199575393	1	-0.217215	5	0.0029	0.0053	0.29259	0.50981	0.016164653	Intergenic	NA	NA
2	201288353	201288382	1	-0.073477	5	0.0053	0.024	0.03712	0.1106	0.024662043	TSS	NM_001135717	Rbm46
2	201319582	201319696	1	-0.069976	5	0.0087	0.058	0.055957	0.12593	0.034705946	TSS	NM_022280	Lrat
2	203661460	203661665	1	-0.068317	10	0.00032	0.0036	0.040246	0.10856	0.003243956	Intergenic	NA	NA
2	205250775	205250983	1	-0.138784	19	8.20E-05	0.0018	0.33514	0.47392	0.001163769	TSS	NM_001109391	Mab2112
2	206518648	206518748	1	-0.100815	5	0.0074	0.024	0.0695	0.17032	0.030871679	TSS	NM_001107701	Lrrc71
2	206580851	206580951	1	-0.054947	6	0.011	0.084	0.12903	0.18398	0.040408163	Intragenic	NM_022212	Insrr
2	207368825	207368940	1	-0.065141	5	0.0041	0.00098	0.0073168	0.072457	0.020486121	Intergenic	NA	NA
2	207866093	207866130	1	-0.186799	5	2.20E-05	7.00E-05	0.12288	0.30968	0.000427263	TSS	NM_012624	Pklr

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	207870839	207870919	1	-0.141505	5	0.00029	0.0054	0.10077	0.24227	0.002984937	Intragenic	NM_012624	Pklr
2	208081376	208081681	0.097	-0.100404	15	8.70E-11	3.50E-07	0.089597	0.19	1.58E-08	TSS	NM_020308	Adam15
2	209285554	209285645	1	-0.178518	5	0.014	0.038	0.53538	0.7139	0.04726441	TSS	NM_012613	Npr1
2	209285929	209285982	1	-0.071681	6	0.0069	0.0045	0.098742	0.17042	0.029451706	TSS	NM_012613	Npr1
2	210079928	210080045	1	0.069951	6	0.0014	0.0045	0.9323	0.86235	0.00960223	Intergenic	NA	NA
2	210338347	210338403	1	-0.307099	7	1.20E-07	8.80E-06	0.20393	0.51103	7.14E-06	Intergenic	NA	NA
2	211085588	211085694	1	0.10009	5	2.50E-06	0.58	0.10091	0.00081967	7.69E-05	Intergenic	NA	NA
2	211269512	211269570	1	0.059602	5	0.00065	0.0031	0.94339	0.88379	0.005335929	Intergenic	NA	NA
2	214053383	214053449	1	0.069105	7	0.00013	0.00047	0.97714	0.90804	0.001648454	Intergenic	NA	NA
2	214890134	214890664	1	-0.093476	8	0.00065	0.0016	0.035228	0.1287	0.005335929	Intragenic	NM_001100985:NM_001100985	RGD1563667:R
2	215716715	215716770	1	-0.109878	5	0.00065	0.0018	0.60413	0.71401	0.005335929	Intergenic	NA	NA
2	215804761	215804881	1	-0.140244	5	0.0032	0.0031	0.13452	0.27476	0.017454545	Intragenic	NM_001024302:NM_001024302	Lysmd1:Tnfaipt8
2	215840245	215840312	1	-0.08948	7	0.0027	0.0034	0.12076	0.21024	0.015434547	Intragenic	NM_001024302:NM_001024302	Lysmd1:Sema6
2	216079037	216079223	1	-0.205583	5	0.00021	0.0055	0.42086	0.62645	0.002348182	Intergenic	NA	NA
2	216983990	216984017	1	-0.050378	5	0.002	0.0018	0.93791	0.98828	0.012269327	Intergenic	NA	NA
2	217498902	217498989	1	0.103456	5	0.0053	0.0018	0.86677	0.76331	0.024662043	Intragenic	NM_001014255	Aph1a
2	217613910	217614017	1	-0.134635	6	0.00033	0.0027	0.13435	0.26899	0.003313469	Intragenic	NM_172072	Vps45
2	217919987	217920050	1	-0.146159	7	5.20E-05	1.60E-05	0.16973	0.31589	0.000830649	Intragenic	NM_001100836	Fcgr1a
2	218052853	218052950	1	-0.191485	5	0.0049	0.009	0.16714	0.35863	0.023345384	Intergenic	NA	NA
2	220051914	220051948	1	-0.059053	5	0.0022	0.0054	0.058648	0.1177	0.01321074	Intragenic	NM_001271334	Zfp697
2	221264389	221264544	1	0.068366	8	0.0096	0.051	0.85755	0.78918	0.037112624	Intergenic	NA	NA
2	223139773	223139912	1	-0.080766	5	0.014	0.0054	0.090495	0.17126	0.04726441	Intragenic	NM_012830	Cd2
2	224139188	224139295	1	-0.167578	5	0.0053	0.015	0.37771	0.54529	0.024662043	Intergenic	NA	NA
2	226283730	226283834	1	0.090835	5	0.0063	0.038	0.949	0.85816	0.027757612	Intergenic	NA	NA
2	229555705	229555951	1	-0.116756	13	9.30E-06	0.0033	0.12186	0.23861	0.000207982	Intergenic	NA	NA
2	229714413	229714465	1	-0.10264	6	0.00049	0.0072	0.095021	0.19766	0.004431618	TSS	NM_001122776	Kcnc4
2	237201323	237201431	1	-0.235082	5	7.80E-05	0.0018	0.48368	0.71876	0.001113424	Intergenic	NA	NA
2	243849086	243849168	1	-0.081286	5	0.013	0.015	0.067822	0.14911	0.04506341	Intergenic	NA	NA
2	246019960	246020011	1	-0.181758	5	0.00011	7.00E-05	0.22071	0.40247	0.001431746	Intragenic	NM_001107722	Bcar3
2	246142495	246142582	0.43	-0.101333	6	4.40E-07	1.50E-06	0.11854	0.21988	1.96E-05	TSS	NM_001039609	Fnbp1l
2	248525681	248526123	1	-0.068313	11	0.00035	0.014	0.093626	0.16194	0.003490541	Intergenic	NA	NA
2	251366989	251367025	1	-0.092717	5	3.10E-05	0.00014	0.046968	0.13969	0.000549952	Intergenic	NA	NA
2	251367090	251367126	1	-0.080135	5	0.0068	0.038	0.074495	0.15463	0.029075319	Intergenic	NA	NA
2	251367176	251367202	1	-0.077759	5	0.0038	0.059	0.070005	0.14776	0.019583799	Intergenic	NA	NA
2	251899648	251899722	1	-0.094187	5	4.40E-05	0.00014	0.049586	0.14377	0.000729708	Intergenic	NA	NA
2	254693801	254693980	1	-0.080493	8	0.011	0.0038	0.15549	0.23598	0.040408163	Intergenic	NA	NA
2	254803946	254804000	1	-0.063539	5	0.008	0.038	0.10942	0.17296	0.03243956	Intragenic	NM_130429	Lef1
2	256542896	256542940	0.18	-0.230289	5	2.40E-07	6.30E-07	0.415	0.64529	1.22E-05	Intergenic	NA	NA
2	259203697	259203970	1	-0.104037	8	0.0033	0.0058	0.084797	0.18883	0.017946942	Intragenic	NM_001031655	Manba

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	259209921	259210208	1	-0.090884	9	0.0056	0.0087	0.084059	0.17494	0.025943503	Intragenic	NM_001031655	Manba
2	259408910	259408983	0.083	-0.315387	7	2.20E-09	3.00E-07	0.14109	0.45648	2.46E-07	Intragenic	NM_001276711	Nfkb1
2	262603936	262604024	1	-0.253797	5	1.30E-06	7.60E-06	0.068292	0.32209	4.66E-05	Intragenic	NM_001004090	Tspan5
2	262614587	262615009	1	-0.174081	8	4.10E-06	0.00055	0.056224	0.2303	0.000112483	Intragenic	NM_001004090	Tspan5
2	270181407	270181458	1	-0.135033	5	0.008	0.039	0.17029	0.30532	0.03243956	Intragenic	NM_022297	Ddah1
2	270379334	270379425	1	-0.183939	7	0.0069	0.038	0.34597	0.52991	0.029451706	Intergenic	NA	NA
2	277698806	277698868	1	-0.185821	5	0.00097	0.0031	0.18299	0.36881	0.007223613	Intragenic	NM_001271361	St6galnac5
2	278125713	278125823	1	-0.181181	5	0.00059	0.015	0.35346	0.53464	0.005010587	Intragenic	NM_019123	St6galnac3
2	278512723	278513071	1	-0.122907	5	0.0058	0.015	0.12558	0.24849	0.026163814	Intragenic	NM_019123	St6galnac3
20	187888	188070	1	-0.072599	10	0.01	0.022	0.29516	0.36775	0.037614679	Intergenic	NA	NA
20	5363825	5363869	1	-0.129312	5	0.0019	0.038	0.1749	0.30422	0.011943782	Intergenic	NA	NA
20	6486138	6486239	1	-0.092816	5	0.002	0.0032	0.10439	0.19721	0.012269327	Intragenic	NM_031504:NM_031504	C4a:Stk19
20	6562700	6562838	1	-0.097022	12	0.00029	0.00041	0.1441	0.24112	0.002984937	TSS	NR_024118	Tnxa-ps1
20	6635481	6635543	1	-0.207099	5	0.00054	0.0018	0.29143	0.49853	0.004710638	Intragenic	NM_172222	C2
20	6694294	6694363	1	-0.22728	5	0.00036	0.0018	0.17699	0.40427	0.003505013	Intragenic	NM_031522	Neu1
20	6938183	6938245	1	-0.100232	5	0.015	0.0055	0.64677	0.747	0.049419643	TSS	NM_012675	Tnf
20	6958775	6958801	1	0.181197	5	0.008	0.71	0.2	0.018803	0.03243956	Intragenic	NM_001008837:NM_001008837	RT1-CE14:RT1-C
20	7079104	7079146	1	-0.113102	5	0.00039	0.0093	0.020615	0.13372	0.003723415	Intragenic	NM_053292	Vars
20	7096538	7096596	1	-0.344706	5	2.40E-05	0.00053	0.35234	0.69705	0.000455321	Intragenic	NM_212536	Msh5
20	7505386	7505651	1	-0.071193	5	0.012	0.088	0.096536	0.16773	0.042700096	TSS	NM_133553	B3galt4
20	7535710	7535943	0.04	-0.156577	13	3.70E-08	1.40E-07	0.10659	0.26317	2.94E-06	TSS	NM_033098	Tapbp
20	7744109	7744213	1	-0.108994	9	0.00082	0.0019	0.1987	0.3077	0.006410593	Intragenic	NM_013138	Itpr3
20	7842003	7842152	1	-0.168949	5	0.00044	0.0054	0.17178	0.34072	0.0041	TSS	NM_013139	Clps
20	7991805	7991907	1	-0.074722	5	0.0008	0.038	0.043503	0.11823	0.006267516	Intragenic	NM_031020	Mapk14
20	8757105	8757192	1	-0.185237	5	0.0045	0.0093	0.25784	0.44307	0.021964286	Intergenic	NA	NA
20	8960736	8960916	1	-0.195504	5	0.0058	0.015	0.44817	0.64367	0.026163814	Intragenic	NM_001034188	Ppil1
20	8999488	8999661	1	-0.171429	17	8.80E-06	0.0003	0.42302	0.59445	0.000204226	Intragenic	NM_001034188:NM_001034188	Ppil1:Grm4
20	9166664	9166693	1	-0.075865	5	0.0041	0.015	0.12364	0.1995	0.020486121	Intragenic	NM_001170481	Pi16
20	9264757	9264831	1	-0.070065	7	0.0056	0.039	0.10292	0.17298	0.025943503	Intergenic	NA	NA
20	9422408	9422469	0.025	-0.20364	9	7.80E-08	8.80E-08	0.27025	0.47389	5.14E-06	TSS	NM_031109	Rps10
20	9657901	9658177	1	-0.066324	9	4.50E-07	1.70E-05	0.069368	0.13569	1.98E-05	Intergenic	NA	NA
20	9732527	9732628	1	-0.126901	6	0.00084	0.0071	0.09191	0.21881	0.006539241	Intragenic	NM_001107613	Anks1a
20	9853298	9853494	1	-0.157898	6	0.0074	0.0044	0.43352	0.59142	0.030871679	Intragenic	NM_001007695	Tcp11
20	10003902	10004220	2.90E-09	-0.062341	31	4.30E-14	1.00E-14	0.018729	0.08107	3.20E-11	Intragenic	NM_001191717	Def6
20	10006252	10006623	1.60E-07	-0.090377	23	6.40E-14	5.80E-13	0.024534	0.11491	3.20E-11	Intragenic	NM_001191717	Def6
20	10011940	10011992	1	-0.209859	5	0.00039	0.015	0.14422	0.35408	0.003723415	Intergenic	NA	NA
20	10096797	10097055	1	-0.204608	5	0.00044	0.0092	0.17608	0.38069	0.0041	TSS	NM_001191718	Fance
20	10428561	10428716	1	-0.095738	6	0.014	0.085	0.13995	0.23569	0.04726441	Intergenic	NA	NA
20	10615268	10615321	1	-0.0637	5	0.011	0.087	0.051648	0.11535	0.040408163	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	10719354	10719383	1	-0.050469	5	0.00021	0.0018	0.0276	0.07807	0.002348182	Intragenic	NM_001107618	Mdga1
20	10852231	10852333	1	-0.110039	7	3.20E-05	0.00027	0.048126	0.15816	0.000564976	Intergenic	NA	NA
20	11817338	11817605	1	0.058799	15	0.011	0.077	0.88942	0.83062	0.040408163	Intergenic	NA	NA
20	12284346	12284425	1	-0.129149	5	0.0032	0.038	0.15473	0.28388	0.017454545	Intergenic	NA	NA
20	12675395	12675684	1	-0.076753	9	5.80E-05	0.0055	0.049367	0.12612	0.000901137	Intergenic	NA	NA
20	13299984	13300065	1	-0.159484	5	0.0074	0.0091	0.13813	0.29762	0.030871679	Intragenic	NM_001106378	Agpat3
20	13639030	13639119	1	-0.074773	5	0.00039	0.0093	0.029024	0.1038	0.003723415	Intragenic	NM_001011559	Trpm2
20	13922918	13923433	1	-0.081391	14	0.013	0.06	0.32973	0.41112	0.04506341	Intragenic	NM_001013238	Pttg1ip
20	14121220	14121395	1	-0.063272	5	0.0035	0.0093	0.033075	0.096347	0.018410549	Intergenic	NA	NA
20	14526198	14526629	1	-0.055572	9	0.0007	0.0088	0.059685	0.11526	0.0056957	Intergenic	NA	NA
20	14940198	14940291	1	0.050902	7	0.00062	0.0081	0.97542	0.92452	0.005241237	Intragenic	NM_001100741	Col6a2
20	14951222	14951286	1	0.070819	5	0.014	0.0018	0.88633	0.81551	0.04726441	Intragenic	NM_001100741	Col6a2
20	15827463	15827688	1	-0.110294	5	2.20E-05	0.00014	0.047987	0.15828	0.000427263	TSS	NM_012980	Mmp11
20	15916243	15916302	1	-0.12289	5	0.0024	0.0055	0.041964	0.16485	0.014124402	Intragenic	NM_012796	Gstt2
20	17067169	17067281	1	-0.190378	5	0.0027	0.003	0.19229	0.38266	0.015434547	Intergenic	NA	NA
20	17658626	17658738	1	-0.190565	5	0.0027	0.003	0.1921	0.38266	0.015434547	Intergenic	NA	NA
20	20989474	20989588	1	-0.103694	5	0.00026	0.0018	0.036056	0.13975	0.002784906	Intragenic	NM_001108531	Bicc1
20	21015537	21015706	1	-0.068697	5	0.00054	0.0018	0.076109	0.14481	0.004710638	Intragenic	NM_001108531	Bicc1
20	21205926	21206219	1	-0.089212	9	0.00034	0.018	0.086381	0.17559	0.0034	Intergenic	NA	NA
20	21793274	21793390	1	-0.164916	5	0.0045	0.0091	0.4443	0.60922	0.021964286	Intergenic	NA	NA
20	22088315	22088385	1	-0.108568	5	0.01	0.13	0.13591	0.24448	0.037614679	TSS	NM_031805	Ank3
20	22727322	22727444	1	-0.062111	5	0.008	0.025	0.014887	0.076997	0.03243956	Intergenic	NA	NA
20	22794523	22794596	1	-0.057061	5	0.0014	0.038	0.069029	0.12609	0.00960223	Intragenic	NM_001107622	Rhobtb1
20	24084700	24084787	1	-0.144489	5	0.0011	0.0089	0.06316	0.20765	0.007982301	Intragenic	NM_001107625	Rtkn2
20	24724261	24724418	1	-0.165235	8	0.012	0.069	0.28055	0.44578	0.042700096	Intergenic	NA	NA
20	30745016	30745261	1	0.078564	9	0.015	0.03	0.56972	0.49116	0.049419643	Intragenic	NM_172062	P4ha1
20	31515339	31515458	1	-0.083883	9	0.00026	0.0086	0.12543	0.20931	0.002784906	Intergenic	NA	NA
20	32824322	32824455	1	-0.093975	5	0.014	0.059	0.085082	0.17906	0.04726441	TSS	NM_001106394	Nodal
20	34956717	34956786	1	-0.10103	7	0.0002	3.00E-05	0.1334	0.23443	0.002324409	Intragenic	NM_012874	Ros1
20	34962613	34962682	1	-0.095826	7	0.00021	5.40E-05	0.13861	0.23443	0.002348182	Intragenic	NM_012874	Ros1
20	37422087	37422217	1	-0.072706	5	0.0008	0.00098	0.38634	0.45905	0.006267516	Intergenic	NA	NA
20	39332465	39332486	1	-0.054775	5	0.0049	0.025	0.028289	0.083064	0.023345384	Intragenic	NM_001014032	Msl3l2
20	39332689	39333199	1	0.332938	25	1.10E-06	4.80E-06	0.31991	0.10049	4.02E-05	Intragenic	NM_001014032	Msl3l2
20	46002023	46002146	1	-0.169879	7	0.01	0.013	0.3161	0.48598	0.037614679	Intergenic	NA	NA
20	46886734	46886784	1	-0.089459	5	0.013	0.0093	0.65545	0.74491	0.04506341	Intragenic	NM_138831	Slc16a10
20	47082335	47082540	1	-0.08306	14	1.90E-09	9.50E-06	0.029421	0.11248	2.16E-07	Intergenic	NA	NA
20	47866988	47867063	1	-0.150418	5	0.015	0.0093	0.16993	0.32035	0.049419643	TSS	NM_001098667	Zbtb24
20	48280991	48281092	1	0.07738	5	0.012	0.024	0.12756	0.050176	0.042700096	Intergenic	NA	NA
20	48720406	48720505	1	-0.179399	5	0.00039	0.00096	0.097393	0.27679	0.003723415	Intragenic	NM_001037656	Lace1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	48770480	48770592	1	-0.112137	11	0.0047	0.0057	0.55382	0.66596	0.022879947	Intragenic	NM_001037656	Lace1
20	49908654	49908727	1	-0.270529	5	2.90E-06	3.40E-05	0.2015	0.47203	8.70E-05	Intergenic	NA	NA
20	50290805	50290910	1	-0.078006	5	0.0011	0.00052	0.07707	0.15508	0.007982301	Intragenic	NM_001025038	Mettl24
20	50451977	50452105	1	-0.099612	5	0.011	0.0053	0.085853	0.18546	0.040408163	Intergenic	NA	NA
20	53059478	53059958	1	-0.176014	8	0.0028	0.0078	0.29708	0.47309	0.015993808	Intergenic	NA	NA
20	56129271	56129357	1	-0.07034	5	0.0094	0.0055	0.069767	0.14011	0.036473186	Intergenic	NA	NA
20	57210041	57210133	1	-0.064872	7	0.0087	0.027	0.07966	0.14453	0.034705946	Intragenic	NM_001107641	Sim1
3	1826433	1826604	1	-0.102654	15	6.90E-06	0.0049	0.1621	0.26475	0.000166957	Intragenic	NM_147141:NM_0	Cacna1b:Cacna
3	2643388	2643543	1	0.064127	9	0.0032	0.013	0.88265	0.81853	0.017454545	Intragenic	NM_024396	Abca2
3	2766679	2766728	1	-0.193924	5	0.00059	0.0018	0.26644	0.46036	0.005010587	Intragenic	NM_001106557	Edf1
3	2782308	2782355	1	-0.222189	5	0.0019	0.038	0.11651	0.3387	0.011943782	Intergenic	NA	NA
3	8904849	8904879	1	-0.128876	5	3.10E-05	0.00053	0.076419	0.2053	0.000549952	Intragenic	NM_001100533	Nacc2
3	9195367	9195394	1	-0.167197	5	4.80E-06	0.00014	0.096683	0.26388	0.000126064	TSS	NM_001013135:NM	Sdccag3:Pmpcc
3	9312288	9312352	1	0.177976	5	0.014	0.015	0.49409	0.31611	0.04726441	TSS	NM_001105721	Notch1
3	10215450	10215489	0.24	-0.132835	8	3.40E-07	8.60E-07	0.0009766	0.13381	1.60E-05	Intergenic	NA	NA
3	10814087	10814126	0.24	-0.132835	8	3.40E-07	8.60E-07	0.0009766	0.13381	1.60E-05	TSS	NM_001015014	Surf6
3	10913148	10913289	1	-0.125958	5	2.40E-05	0.00053	0.048503	0.17446	0.000455321	Intergenic	NA	NA
3	11264941	11265004	1	-0.132888	5	0.0011	0.00028	0.29082	0.42371	0.007982301	Intragenic	NM_001106563	Vav2
3	11645610	11645772	9.00E-05	-0.080541	10	1.20E-10	3.20E-10	0.0025287	0.083069	1.97E-08	Intragenic	NM_012805	Rxra
3	12021467	12021616	1	-0.097624	9	0.0002	0.0028	0.19404	0.29167	0.002324409	Intergenic	NA	NA
3	12288583	12288628	1	-0.08169	5	0.00021	0.0055	0.020198	0.10189	0.002348182	Intergenic	NA	NA
3	14180531	14180625	0.013	-0.233023	5	9.90E-08	4.60E-08	0.12071	0.35373	6.15E-06	Intragenic	NM_001024782	Lrrc8a
3	14188681	14188852	1	-0.14261	5	0.0029	0.0018	0.13202	0.27463	0.016164653	Intragenic	NM_001013081	Phyhd1
3	14434576	14434734	1	-0.239874	8	0.0029	0.018	0.44248	0.68235	0.016164653	Intergenic	NA	NA
3	14930752	14930818	1	-0.097394	5	0.00029	0.00096	0.077505	0.1749	0.002984937	Intergenic	NA	NA
3	15032210	15032414	1	-0.073308	7	0.013	0.078	0.073949	0.14726	0.04506341	Intergenic	NA	NA
3	15140407	15140474	1	-0.090054	5	0.01	0.088	0.069667	0.15972	0.037614679	Intergenic	NA	NA
3	15188136	15188348	1	-0.137094	5	3.90E-05	0.00028	0.063822	0.20092	0.000661655	Intragenic	NM_001107827	Usp20
3	15949895	15950067	1	-0.054465	8	0.0096	0.069	0.12817	0.18263	0.037112624	Intragenic	NM_024366	Ncs1
3	15993628	15993740	1	-0.199906	5	0.00048	0.0054	0.14401	0.34392	0.004351843	Intragenic	NM_001107828	Gpr107
3	16580124	16580310	1	-0.134644	8	0.011	0.0082	0.3016	0.43624	0.040408163	Intergenic	NA	NA
3	16881003	16881146	1	-0.158094	7	2.50E-05	0.0022	0.14969	0.30778	0.000473077	Intergenic	NA	NA
3	17116448	17116538	7.20E-06	-0.065481	10	3.20E-11	2.60E-11	0.015312	0.080793	6.06E-09	Intragenic	NM_001108579	Sh2d3c
3	17776978	17777269	1	-0.057791	5	0.0029	0.038	0.033258	0.09105	0.016164653	Intergenic	NA	NA
3	19025294	19025381	1	-0.181452	5	0.0022	0.039	0.19088	0.37233	0.01321074	Intergenic	NA	NA
3	19799908	19799999	1	-0.063154	11	5.00E-05	0.00043	0.028764	0.091919	0.000803922	TSS	NM_001004080	Gsn
3	20739206	20739368	1	-0.052765	9	0.0019	0.034	0.031714	0.084479	0.011943782	Intragenic	NM_001107837	Lhx6
3	27273984	27274101	1	-0.075862	9	8.90E-05	0.0088	0.078745	0.15461	0.001241626	TSS	NM_001135761	Crb2
3	27274496	27274609	1	-0.115053	5	0.0094	0.039	0.15644	0.27149	0.036473186	TSS	NM_001135761	Crb2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	27291248	27291281	1	0.071903	7	0.0034	0.0022	0.12846	0.056553	0.018409391	Intragenic	NM_001135761	Crb2
3	27291306	27291376	1	0.23451	11	0.015	0.13	0.29451	0.10446	0.049419643	Intragenic	NM_001135761	Crb2
3	27291678	27291719	1	-0.102728	5	0.014	0.039	0.14735	0.25008	0.04726441	Intragenic	NM_001135761	Crb2
3	29818751	29818840	1	-0.125122	8	2.10E-05	5.50E-06	0.33802	0.46314	0.00041328	Intergenic	NA	NA
3	30797524	30797595	1	-0.140459	5	9.80E-05	0.00014	0.62902	0.76948	0.001307848	Intragenic	NM_001107843	Lrp1b
3	35595770	35595831	1	-0.070283	5	0.0094	0.088	0.085851	0.15613	0.036473186	Intergenic	NA	NA
3	35595840	35595878	1	-0.159422	5	0.0049	0.024	0.36759	0.52701	0.023345384	Intergenic	NA	NA
3	35595900	35595947	1	-0.083847	5	0.011	0.088	0.14679	0.23064	0.040408163	Intergenic	NA	NA
3	41518081	41518190	0.02	-0.272252	7	4.50E-09	7.00E-08	0.10409	0.37634	4.55E-07	Intergenic	NA	NA
3	48187990	48188175	1	-0.07762	14	0.00024	0.029	0.16308	0.2407	0.002620118	TSS	NM_019328	Nr4a2
3	48188265	48188313	1	-0.201628	5	0.0035	0.025	0.12475	0.32637	0.018410549	TSS	NM_019328	Nr4a2
3	48482362	48482434	1	-0.156974	5	0.00072	0.0093	0.18794	0.34492	0.005769381	Intergenic	NA	NA
3	49439787	49439853	1	0.269481	5	0.0024	0.038	0.60736	0.33788	0.014124402	Intragenic	NM_139090	Acvr1c
3	54360080	54360122	1	-0.091516	5	0.0074	0.015	0.11134	0.20285	0.030871679	Intergenic	NA	NA
3	61009948	61010058	1	-0.271441	7	5.20E-06	0.00045	0.22833	0.49977	0.000135604	Intragenic	NM_019362	Stk39
3	62475875	62475942	1	-0.147608	5	0.0035	0.00028	0.074381	0.22199	0.018410549	Intergenic	NA	NA
3	63483288	63483371	1	-0.052067	7	0.00088	0.0013	0.026023	0.07809	0.006722981	Intragenic	NM_017007	Gad1
3	63733829	63733918	1	-0.176942	5	0.0027	0.024	0.15742	0.33436	0.015434547	Intergenic	NA	NA
3	66667282	66667348	1	-0.095507	5	0.00023	0.00098	0.035858	0.13137	0.002525893	Intragenic	NM_057192	Wipf1
3	68064244	68064303	1	-0.209724	5	1.70E-05	0.00098	0.087891	0.29762	0.000342787	TSS	NM_001191903	Hoxd12
3	68123510	68123623	1	-0.107237	5	0.0049	0.015	0.14299	0.25023	0.023345384	TSS	NM_001271038	Hoxd3
3	68134373	68134622	1	-0.090457	11	0.0092	0.079	0.19158	0.28203	0.036473186	Intragenic	NM_001271038	Hoxd3
3	69890321	69890420	1	-0.155619	5	6.30E-06	0.00014	0.056377	0.212	0.000156545	Intergenic	NA	NA
3	69973809	69973863	1	0.055772	5	0.0041	0.024	0.96118	0.90541	0.020486121	Intragenic	NM_001107735	Osbpl6
3	70596062	70596196	1	-0.101598	5	0.0019	0.00053	0.060227	0.16182	0.011943782	Intergenic	NA	NA
3	78305137	78305743	1	0.052164	24	0.012	0.081	0.71453	0.66237	0.042700096	Intragenic	NM_012717	Calcr1
3	81937439	81937482	1	-0.151149	5	7.00E-05	7.00E-05	0.18773	0.33888	0.001035271	Intergenic	NA	NA
3	82359499	82359548	1	-0.147877	7	0.00069	0.0054	0.03563	0.18351	0.00562053	Intergenic	NA	NA
3	83694549	83694596	1	-0.185006	5	0.0016	0.00096	0.2574	0.4424	0.010628263	Intergenic	NA	NA
3	86319755	86319899	1	-0.071473	9	0.009	0.045	0.13337	0.20484	0.035786638	Intergenic	NA	NA
3	87081438	87081538	1	-0.057113	5	0.00036	0.0032	0.030432	0.087545	0.003505013	Intragenic	NM_031322	Lrp4
3	88416310	88416481	1	-0.082865	7	6.30E-07	9.60E-05	0.036322	0.11919	2.67E-05	Intergenic	NA	NA
3	98805118	98805187	1	-0.119484	5	0.0029	0.0054	0.56317	0.68265	0.016164653	Intragenic	NM_001013203	Trim44
3	100288856	100288962	1	-0.218572	5	4.80E-06	0.00028	0.050653	0.26923	0.000126064	Intragenic	NM_134403	Abtb2
3	101762299	101762340	1	-0.09969	5	0.0094	0.059	0.15227	0.25196	0.036473186	Intragenic	NM_031534	Wt1
3	102014026	102014106	1	-0.111397	5	0.012	0.0032	0.12281	0.23421	0.042700096	Intragenic	NM_001144862	LOC691083
3	103447715	103447870	1	0.067684	8	0.0078	0.037	0.86076	0.79307	0.032284913	Intergenic	NA	NA
3	114321919	114322191	1	-0.061185	10	6.40E-06	0.00015	0.014545	0.075731	0.000157967	Intragenic	NM_001107758	Meis2
3	116831269	116831418	1	-0.07682	9	6.60E-06	4.10E-06	0.021886	0.098706	0.000161821	Intergenic	NA	NA

chr	start	stop	q-value	methyI.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	117041537	117041583	1	-0.11681	5	0.012	0.087	0.25555	0.37236	0.042700096	Intragenic	NM_053478	Plcb2
3	117515362	117515457	1	-0.302129	5	0.0011	0.0017	0.2267	0.52883	0.007982301	TSS	NM_001014046	Rmdn3
3	118094842	118094871	1	-0.105087	5	0.012	0.13	0.18891	0.29399	0.042700096	TSS	NM_031045	Itпка
3	118095582	118095774	1	-0.10288	12	0.0015	0.015	0.13909	0.24197	0.01019337	Intragenic	NM_031045	Itпка
3	118958423	118958532	0.077	-0.181764	5	8.50E-08	2.70E-07	0.21895	0.40071	5.45E-06	Intergenic	NA	NA
3	125543956	125544054	1	-0.081508	5	0.0041	0.015	0.033669	0.11518	0.020486121	TSS	NM_031736	Slc27a2
3	127227078	127227169	1	-0.202689	7	0.0035	0.027	0.48856	0.69125	0.018410549	TSS	NM_138857	Prom2
3	127670819	127671000	1	0.143367	7	0.0011	0.0027	0.77927	0.63591	0.007982301	Intergenic	NA	NA
3	129605354	129605379	1	-0.114149	5	0.01	0.087	0.13735	0.2515	0.037614679	TSS	NM_012996	Oxt
3	129613243	129613353	1	0.125171	7	0.012	0.056	0.81563	0.69046	0.042700096	Intergenic	NA	NA
3	129677796	129677907	0.046	-0.149153	9	3.60E-07	1.70E-07	0.032631	0.18178	1.68E-05	TSS	NM_172022	Lzts3
3	129677958	129677991	1	-0.06054	5	0.0019	0.00052	0.077408	0.13795	0.011943782	TSS	NM_172022	Lzts3
3	144408279	144408319	1	-0.064353	8	2.60E-05	0.00024	0.038064	0.10242	0.00048949	TSS	NM_031555	Bfsp1
3	146020366	146020591	1	-0.109239	5	0.002	0.0031	0.08544	0.19468	0.012269327	Intragenic	NM_053505	Slc24a3
3	146483309	146483792	0.13	-0.053241	20	8.60E-12	4.80E-07	0.020342	0.073582	1.92E-09	Intragenic	NM_001107786	Rin2
3	146561738	146561776	1	-0.174048	7	2.20E-05	1.60E-05	0.15618	0.33023	0.000427263	TSS	NM_053797	Crnkl1
3	154572336	154572404	1	-0.176913	5	0.0016	0.015	0.142	0.31891	0.010628263	Intragenic	NM_001107789	Hm13
3	154572424	154572521	7.80E-08	-0.243556	9	3.40E-13	2.80E-13	0.14874	0.39229	1.14E-10	Intragenic	NM_001107789	Hm13
3	156428292	156428485	0.0011	-0.093189	16	4.90E-12	3.90E-09	0.062404	0.15559	1.17E-09	Intragenic	NM_001098724	Necab3
3	156559360	156559442	0.00021	-0.115449	13	1.20E-08	7.40E-10	0.053448	0.1689	1.11E-06	Intergenic	NA	NA
3	157390524	157390654	1	-0.226858	5	0.0058	0.0032	0.53944	0.7663	0.026163814	Intragenic	NM_130423	Ggt7
3	157514199	157514366	1	-0.076926	5	0.0022	0.0055	0.051757	0.12868	0.01321074	Intragenic	NM_001107794	Myh7b
3	158266880	158267035	1	0.057937	9	0.0039	0.0015	0.89279	0.83485	0.0199875	Intragenic	NM_031577	Ghrh
3	158902130	158902274	1	-0.144829	10	0.0054	0.12	0.46819	0.61302	0.025095718	Intragenic	NM_173145	Dlgap4
3	159169715	159169771	1	-0.190441	5	0.00021	0.00027	0.38144	0.57188	0.002348182	Intergenic	NA	NA
3	160836385	160836497	1	-0.235144	5	0.015	0.088	0.39479	0.62993	0.049419643	Intergenic	NA	NA
3	160981067	160981122	1	-0.171945	5	0.01	0.00098	0.065143	0.23709	0.037614679	Intragenic	NM_019386	Tgm2
3	160982336	160982464	1	-0.236878	5	0.00039	0.00014	0.063921	0.3008	0.003723415	Intragenic	NM_019386	Tgm2
3	161375186	161375290	1	-0.061415	5	0.014	0.13	0.060378	0.12179	0.04726441	Intragenic	NM_001024870	Ctnnbl1
3	161419638	161419873	1	-0.097054	6	2.60E-05	0.00095	0.049238	0.14629	0.00048949	Intergenic	NA	NA
3	161555322	161555409	1	-0.124669	13	3.00E-06	0.00094	0.12357	0.24824	8.86E-05	TSS	NM_001270867:NM	Nnat:Nnat:Nna
3	162410179	162410376	1	-0.105789	6	0.012	0.083	0.18221	0.288	0.042700096	Intergenic	NA	NA
3	165518193	165518491	1	-0.12659	13	5.40E-05	0.0083	0.12705	0.25364	0.000855193	Intergenic	NA	NA
3	165557723	165557906	1	-0.091114	5	0.00032	0.0018	0.034666	0.12578	0.003243956	TSS	NM_134463	Sgk2
3	165947066	165947108	1	0.151663	7	0.001	0.0022	0.78449	0.63282	0.007409639	Intragenic	NM_001037974	Jph2
3	166179029	166179258	1	-0.091855	5	0.014	0.18	0.088328	0.18018	0.04726441	Intergenic	NA	NA
3	166743990	166744014	1	-0.082278	5	0.014	0.18	0.14852	0.23079	0.04726441	Intragenic	NM_053954	Kcns1
3	166748556	166748691	1	-0.176517	8	0.0064	0.067	0.36405	0.54057	0.028147795	Intergenic	NA	NA
3	167034068	167034155	1	-0.051061	7	3.40E-05	0.0035	0.023379	0.07444	0.000597429	TSS	NM_001108604:NM	Rbpjl:Matn4

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	167197652	167197704	1	0.34259	5	0.0008	0.0031	0.63039	0.2878	0.006267516	TSS	NM_173109	Wfdc2
3	167870575	167870658	1	-0.127439	12	0.00053	0.0099	0.25546	0.3829	0.004710638	Intragenic	NM_019161	Cdh22
3	168061066	168061149	1	-0.123699	12	0.00088	0.013	0.25927	0.38297	0.006722981	Intragenic	NM_019161	Cdh22
3	168111210	168111279	1	-0.118108	5	0.0016	0.0055	0.071073	0.18918	0.010628263	Intragenic	NM_019161	Cdh22
3	168264539	168264688	1	-0.164808	5	0.0024	0.015	0.046932	0.21174	0.014124402	Intergenic	NA	NA
3	168420960	168421392	0.85	-0.109045	8	2.90E-08	3.00E-06	0.033858	0.1429	2.43E-06	Intergenic	NA	NA
3	168471934	168472028	1	-0.057574	7	0.0013	0.018	0.053187	0.11076	0.009111111	Intergenic	NA	NA
3	168679008	168679065	1	-0.156687	6	0.00049	0.0044	0.18372	0.3404	0.004431618	Intragenic	NM_001100838	Zmynd8
3	168725766	168725956	1	-0.155993	10	8.00E-07	1.40E-05	0.10338	0.25937	3.24E-05	Intragenic	NM_001100838	Zmynd8
3	170094460	170094486	1	-0.113446	5	5.60E-05	7.00E-05	0.11538	0.22883	0.000873742	TSS	NM_013186	Kcnb1
3	170426583	170426706	1	-0.15501	7	0.0017	0.0052	0.26107	0.41608	0.011044014	TSS	NM_053805	Snai1
3	170484409	170484472	1	-0.143693	5	0.0041	0.024	0.18633	0.33003	0.020486121	Intergenic	NA	NA
3	170668498	170668755	1	-0.052232	9	0.0027	0.081	0.046463	0.098695	0.015434547	Intergenic	NA	NA
3	170749500	170749646	1	-0.087081	5	4.40E-05	7.60E-06	0.13598	0.22306	0.000729708	Intergenic	NA	NA
3	170988399	170988450	1	-0.142298	5	0.0094	0.0018	0.22709	0.36939	0.036473186	Intragenic	NM_001108609	Pard6b
3	171845847	171845880	1	-0.062845	5	2.80E-05	0.0018	0.039545	0.10239	0.000511485	Intergenic	NA	NA
3	171848005	171848171	1	0.065912	16	5.20E-05	5.30E-05	0.8817	0.81579	0.000830649	Intragenic	NM_001012093	Zfp64
3	172027730	172027796	1	0.064205	5	0.0011	0.0032	0.97804	0.91383	0.007982301	Intergenic	NA	NA
3	172158563	172158613	1	-0.185185	5	0.00059	0.00098	0.40858	0.59377	0.005010587	Intergenic	NA	NA
3	172410141	172410285	1	-0.087787	7	0.01	0.054	0.18169	0.26947	0.037614679	Intergenic	NA	NA
3	172860633	172860687	1	0.060625	5	0.0058	0.015	0.9776	0.91698	0.026163814	Intergenic	NA	NA
3	172969701	172969827	1	-0.067857	9	0.0013	0.062	0.058808	0.12667	0.009111111	Intergenic	NA	NA
3	173085573	173085682	1	-0.185328	5	0.0058	0.0093	0.17661	0.36194	0.026163814	Intergenic	NA	NA
3	173353452	173353813	1	0.194946	5	0.0068	0.038	0.76198	0.56704	0.029075319	Intergenic	NA	NA
3	174028198	174028498	1	-0.095829	13	3.80E-05	0.00083	0.13503	0.23086	0.000652186	Intergenic	NA	NA
3	174155989	174156085	1	-0.078743	5	0.0049	0.015	0.12397	0.20271	0.023345384	Intergenic	NA	NA
3	174193288	174193549	1	-0.059718	8	0.00043	0.0085	0.049925	0.10964	0.004073684	Intergenic	NA	NA
3	174536675	174536783	1	-0.175414	5	0.0074	0.025	0.36287	0.53829	0.030871679	Intragenic	NM_001109344	Dok5
3	175960231	175960285	1	-0.13052	5	7.00E-05	0.00014	0.036609	0.16713	0.001035271	Intergenic	NA	NA
3	176374218	176374426	1	-0.088209	5	0.0058	0.039	0.078116	0.16632	0.026163814	Intergenic	NA	NA
3	176622636	176622672	1	-0.131484	5	0.0008	0.0054	0.14482	0.27631	0.006267516	Intergenic	NA	NA
3	176659066	176659203	1	0.059631	9	0.014	0.058	0.9327	0.87307	0.04726441	Intergenic	NA	NA
3	176787424	176787473	1	-0.132928	5	0.0063	0.088	0.2786	0.41153	0.027757612	Intergenic	NA	NA
3	176918444	176918496	1	-0.15403	5	5.00E-05	0.0032	0.12642	0.28045	0.000803922	Intergenic	NA	NA
3	176967124	176967241	1	-0.091291	7	9.00E-05	0.0005	0.017894	0.10919	0.001248496	Intragenic	NM_001191856	Bmp7
3	177136958	177137074	0.97	-0.2396	5	8.50E-07	3.40E-06	0.07136	0.31096	3.35E-05	Intergenic	NA	NA
3	177153850	177153934	1	-0.105991	5	0.00017	0.00095	0.08417	0.19016	0.002036688	Intergenic	NA	NA
3	177280735	177280964	0.24	-0.233623	8	4.60E-08	8.70E-07	0.089885	0.32351	3.43E-06	TSS	NM_198780	Pck1
3	177305707	177305749	0.078	-0.104287	5	2.10E-07	2.80E-07	0.030731	0.13502	1.11E-05	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	177802794	177802848	1	0.052941	5	0.013	1	0.052941	5.00E-08	0.04506341	TSS	NM_001108966	Rab22a
3	178426511	178426771	3.00E-05	-0.114893	20	7.50E-14	1.10E-10	0.097765	0.21266	3.20E-11	TSS	NM_001159656:NM	Gnas:Gnas
3	178471493	178471563	0.002	-0.153019	8	9.70E-11	7.20E-09	0.17673	0.32975	1.63E-08	TSS	NM_019132	Gnas
3	178472033	178472094	1	-0.140323	7	6.00E-05	5.50E-05	0.18671	0.32704	0.0009225	TSS	NM_019132	Gnas
3	178472104	178472148	1	-0.111468	5	0.00065	0.015	0.059979	0.17145	0.005335929	TSS	NM_019132	Gnas
3	178472211	178472241	1	-0.162867	5	0.00048	0.00014	0.10894	0.27181	0.004351843	TSS	NM_019132	Gnas
3	179647721	179647748	1	-0.204291	5	0.00054	0.0018	0.34012	0.54442	0.004710638	Intergenic	NA	NA
3	179864540	179864766	1	-0.101698	15	8.10E-05	0.0012	0.13465	0.23634	0.001154015	Intergenic	NA	NA
3	179959009	179959153	1	-0.084538	5	0.008	0.023	0.055722	0.14026	0.03243956	Intergenic	NA	NA
3	181119231	181119258	1	-0.234732	5	0.00021	0.0031	0.32155	0.55628	0.002348182	Intergenic	NA	NA
3	182743765	182743898	1	-0.192429	7	0.00069	0.00029	0.21839	0.41082	0.00562053	Intergenic	NA	NA
3	183696755	183696916	1	-0.094007	12	5.50E-06	4.10E-06	0.11447	0.20847	0.000141923	Intergenic	NA	NA
4	2535291	2535347	1	-0.343735	7	6.10E-06	4.60E-06	0.21904	0.56278	0.000154171	Intergenic	NA	NA
4	6497479	6497781	1	-0.127445	9	4.30E-05	0.018	0.15147	0.27891	0.00072287	Intergenic	NA	NA
4	6680047	6680117	1	-0.138036	5	2.20E-06	7.50E-06	0.10001	0.23805	6.91E-05	Intergenic	NA	NA
4	7115137	7115244	1	-0.088202	5	0.002	0.0017	0.098737	0.18694	0.012269327	Intragenic	NM_001011966	Smarcd3
4	7231395	7231530	1	-0.08933	17	3.60E-09	5.90E-06	0.036571	0.1259	3.69E-07	Intragenic	NM_001108616	Agap3
4	7234256	7234331	1	-0.136011	7	0.003	0.0048	0.057544	0.19355	0.01668425	Intragenic	NM_001108616	Agap3
4	7291743	7291807	1	-0.055974	5	0.0019	0.0054	0.0014286	0.057402	0.011943782	TSS	NM_017048	Slc4a2
4	10449004	10449099	1	-0.072418	5	0.013	0.0017	0.81179	0.88421	0.04506341	Intragenic	NM_001107845	Gsap
4	20037060	20037145	1	-0.096076	7	0.0016	0.013	0.073944	0.17002	0.010628263	Intergenic	NA	NA
4	21982256	21982389	1	-0.096261	5	0.0017	0.0054	0.14245	0.23871	0.011044014	Intergenic	NA	NA
4	25627697	25627900	1	-0.126342	8	0.0022	0.0025	0.23827	0.36461	0.01321074	Intergenic	NA	NA
4	26406378	26406544	1	-0.125401	5	0.014	0.0093	0.079296	0.2047	0.04726441	Intergenic	NA	NA
4	27002964	27003123	1	0.084306	7	0.014	0.19	0.93859	0.85429	0.04726441	Intergenic	NA	NA
4	27754383	27754520	0.046	-0.095795	9	9.30E-05	1.60E-07	0.033596	0.12939	0.001278101	Intragenic	NM_001191861	Cdk6
4	29704099	29704207	1	-0.129628	8	0.00056	0.0039	0.2872	0.41683	0.004873585	Intergenic	NA	NA
4	30592614	30592646	1	-0.081333	5	0.012	0.038	0.066335	0.14767	0.042700096	Intergenic	NA	NA
4	31675189	31675235	1	-0.162614	5	2.80E-05	0.00027	0.079457	0.24207	0.000511485	Intergenic	NA	NA
4	32915252	32915365	1	-0.053336	7	0.011	0.027	0.86607	0.91941	0.040408163	Intergenic	NA	NA
4	36932821	36932859	1	0.073467	5	6.20E-05	3.40E-05	0.98671	0.91324	0.000939548	Intergenic	NA	NA
4	38242198	38242364	1	-0.094825	7	0.0076	0.14	0.59185	0.68668	0.031563309	Intergenic	NA	NA
4	46830825	46830925	1	0.100033	5	0.00088	0.0054	0.94195	0.84192	0.006722981	Intergenic	NA	NA
4	55458230	55458283	1	-0.11962	5	0.0019	0.0031	0.10392	0.22354	0.011943782	Intergenic	NA	NA
4	57264971	57265177	1	-0.143199	5	0.0016	0.0032	0.080954	0.22415	0.010628263	Intergenic	NA	NA
4	57811120	57811170	1	-0.13407	5	0.0017	0.003	0.30384	0.43792	0.011044014	TSS	NM_001009617	Mest
4	58378716	58378807	1	-0.160934	5	0.00036	0.0032	0.087311	0.24824	0.003505013	Intergenic	NA	NA
4	58419305	58419430	1	-0.073861	5	0.0024	0.038	0.042413	0.11627	0.014124402	Intergenic	NA	NA
4	61104024	61104074	1	-0.144672	5	0.0012	0.0092	0.1152	0.25987	0.008573088	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	62127913	62127978	1	-0.073187	5	0.0094	0.086	0.061918	0.13511	0.036473186	TSS	NM_001024325	LOC500077
4	62128037	62128088	1	-0.082503	5	0.014	0.087	0.14661	0.22912	0.04726441	TSS	NM_001024325	LOC500077
4	62641259	62641397	1	-0.095452	7	0.00065	0.039	0.087439	0.18289	0.005335929	Intergenic	NA	NA
4	65217768	65217877	1	0.082994	5	0.0058	0.024	0.86179	0.7788	0.026163814	Intergenic	NA	NA
4	66148323	66148384	1	-0.135388	6	0.00057	0.00095	0.83359	0.96898	0.004925761	Intragenic	NM_001107853	Luc7l2
4	66435886	66435962	1	-0.1685	5	0.0041	0.088	0.23401	0.40251	0.020486121	TSS	NM_001108622	Hipk2
4	66867485	66867567	0.00037	-0.114383	13	1.80E-08	1.30E-09	0.054514	0.1689	1.58E-06	TSS	NM_001276456	Chmp4bl1
4	142394252	142394278	1	0.052245	5	0.002	0.0018	0.96934	0.9171	0.012269327	Intragenic	NM_001100852	Zfp746
4	142941088	142941293	1	-0.202999	7	1.40E-07	1.60E-05	0.068779	0.27178	8.14E-06	Intergenic	NA	NA
4	145245850	145245927	1	0.106008	5	0.00048	0.0055	0.94174	0.83573	0.004351843	Intergenic	NA	NA
4	145992907	145993078	1	-0.111435	7	0.00033	0.00028	0.057158	0.16859	0.003313469	Intragenic	NM_001013085	Snx10
4	146889378	146889482	1	-0.115471	9	5.30E-05	0.0041	0.10436	0.21983	0.000841161	Intergenic	NA	NA
4	146924829	146925089	1	-0.051538	16	0.00013	2.10E-05	0.029499	0.081037	0.001648454	Intragenic	NR_132648	Hoxaas3
4	146970923	146971000	1	0.118657	7	0.012	0.008	0.3557	0.23704	0.042700096	Intragenic	NR_132628	RGD1564419
4	146974902	146975006	1	-0.11482	9	5.00E-05	0.0041	0.10501	0.21983	0.000803922	Intergenic	NA	NA
4	148632341	148632511	1	-0.065771	18	1.30E-05	0.00078	0.056828	0.1226	0.000273333	Intragenic	NM_001034010	Tril
4	150203794	150203857	1	-0.142992	5	0.011	0.039	0.18081	0.3238	0.040408163	TSS	NM_012778	Aqp1
4	152520009	152520085	1	-0.140195	7	0.0087	0.0012	0.61303	0.75322	0.034705946	Intergenic	NA	NA
4	162675440	162675649	1	-0.08517	8	0.00034	0.00024	0.078853	0.16402	0.0034	Intergenic	NA	NA
4	174366662	174366731	1	0.110882	6	0.013	0.039	0.77107	0.66019	0.04506341	Intergenic	NA	NA
4	177619419	177619545	1	-0.094047	5	0.0045	0.025	0.026772	0.12082	0.021964286	Intergenic	NA	NA
4	177667052	177667185	1	-0.201539	5	2.80E-05	3.40E-05	0.54696	0.7485	0.000511485	Intergenic	NA	NA
4	178388835	178388879	1	-0.189694	5	9.80E-05	0.0055	0.1135	0.30319	0.001307848	Intergenic	NA	NA
4	180704319	180704463	1	-0.079136	5	0.0063	0.039	0.028632	0.10777	0.027757612	Intergenic	NA	NA
4	181550346	181550412	1	-0.070389	13	0.0022	0.0049	0.16884	0.23923	0.01321074	Intergenic	NA	NA
4	181844207	181844231	1	0.071845	5	0.0058	0.039	0.13751	0.065669	0.026163814	Intragenic	NM_001107871	Fbxo41
4	182676296	182676353	1	-0.142215	8	0.0046	0.069	0.54059	0.68281	0.022422721	Intergenic	NA	NA
4	184307405	184307541	1	0.067631	7	0.0048	0.078	0.91611	0.84848	0.023320606	TSS	NM_153729	Vom1r90
4	185267704	185267734	1	0.084258	5	0.0058	0.0055	0.92747	0.84322	0.026163814	Intergenic	NA	NA
4	185405233	185405336	1	-0.22794	8	8.30E-06	9.10E-05	0.26528	0.49322	0.000194457	Intergenic	NA	NA
4	185689731	185689771	1	-0.078317	5	0.00054	0.009	0.033714	0.11203	0.004710638	Intergenic	NA	NA
4	186766656	186766687	1	-0.13129	5	0.0058	0.009	0.58292	0.71421	0.026163814	Intragenic	NM_001191974	Chst13
4	186910602	186910729	1	-0.165806	5	9.20E-06	1.60E-05	0.043238	0.20904	0.000206371	Intragenic	NM_053536	Klf15
4	188095025	188095333	1	-0.053673	5	0.0041	0.015	0.033098	0.086771	0.020486121	Intergenic	NA	NA
4	188222584	188222643	1	-0.094117	5	0.002	0.0054	0.032033	0.12615	0.012269327	Intragenic	NM_017206	Slc6a6
4	192313519	192313700	1	-0.123094	12	0.00088	0.0038	0.28482	0.40791	0.006722981	Intragenic	NM_001100750	Suclg2
4	194182336	194182697	1	-0.065841	5	0.0058	0.0054	0.053434	0.11928	0.026163814	Intergenic	NA	NA
4	196200558	196200658	1	0.094397	7	0.0023	0.018	0.88296	0.78856	0.013777597	Intergenic	NA	NA
4	196787210	196787350	1	-0.069856	10	0.0089	0.016	0.16231	0.23217	0.035427184	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	208749197	208749364	1	0.134241	10	0.0075	0.048	0.76395	0.62971	0.031235892	Intragenic	NM_001309463	Prmt3
4	208852024	208852178	1	-0.073332	12	0.0078	0.029	0.12685	0.20019	0.032284913	TSS	NM_001109251	Fancd2os
4	209834866	209834991	0.43	-0.366931	5	2.10E-07	1.50E-06	0.25095	0.61788	1.11E-05	Intergenic	NA	NA
4	210723614	210723674	1	-0.155746	5	0.00032	7.10E-05	0.055701	0.21145	0.003243956	Intragenic	NM_019159	Syn2
4	211701358	211701505	1	-0.191617	5	0.0017	0.0018	0.1459	0.33752	0.011044014	Intergenic	NA	NA
4	220129171	220129260	1	-0.156813	5	0.015	0.014	0.27296	0.42978	0.049419643	Intergenic	NA	NA
4	220735200	220735323	1	-0.117057	5	0.00039	0.0055	0.04377	0.16083	0.003723415	Intergenic	NA	NA
4	224254906	224254984	1	0.100326	5	0.0022	0.059	0.82949	0.72916	0.01321074	TSS	NR_031887:NR_03	Mir141:Mir357
4	224613139	224613189	1	-0.05004	5	0.0068	0.0055	0.010144	0.060184	0.029075319	Intergenic	NA	NA
4	225149651	225150169	1	-0.058009	17	0.0019	0.0014	0.15622	0.21423	0.011943782	Intragenic	NM_053889	Vwf
4	226925863	226925943	1	-0.123645	5	5.50E-06	3.40E-05	0.057803	0.18145	0.000141923	Intergenic	NA	NA
4	227274139	227274282	0.0016	-0.213572	11	9.40E-11	5.60E-09	0.16674	0.38031	1.61E-08	TSS	NM_001024337	LOC500331
4	227350877	227351020	0.0016	-0.213572	11	9.40E-11	5.60E-09	0.16674	0.38031	1.61E-08	TSS	NM_001024337	LOC500331
4	232049412	232049816	1	-0.053629	13	0.00029	0.0088	0.060899	0.11453	0.002984937	TSS	NM_131908	Fgf6
4	232415932	232416260	1	-0.054331	18	0.00017	0.002	0.042048	0.096378	0.002036688	Intergenic	NA	NA
4	232637554	232637618	1	-0.148879	8	9.30E-05	9.00E-05	0.1582	0.30708	0.001278101	Intergenic	NA	NA
4	232998223	232998246	1	-0.118367	5	0.00029	0.0032	0.11884	0.23721	0.002984937	Intergenic	NA	NA
4	233085626	233085683	1	-0.109548	5	0.01	0.038	0.19237	0.30192	0.037614679	Intergenic	NA	NA
4	241351360	241351401	1	-0.187375	5	0.00012	0.0031	0.079938	0.26731	0.00153218	Intragenic	NM_012813	St8sia1
4	241593951	241594061	1	-0.075955	5	0.0012	0.00052	0.064668	0.14062	0.008573088	Intergenic	NA	NA
4	243566619	243566667	1	-0.251445	5	0.0008	0.015	0.24922	0.50066	0.006267516	Intergenic	NA	NA
4	243805715	243805769	1	-0.089007	5	0.0032	0.0091	0.10962	0.19863	0.017454545	Intergenic	NA	NA
4	245005929	245005956	1	-0.10313	5	0.00059	0.00053	0.16363	0.26676	0.005010587	Intergenic	NA	NA
4	246784336	246784409	1	-0.126786	5	0.002	0.015	0.53793	0.66472	0.012269327	Intergenic	NA	NA
4	246879884	246879986	1	-0.25075	7	6.10E-06	0.00017	0.28279	0.53354	0.000154171	TSS	NM_001109612	Rps4y2
5	6901	7029	1	0.051799	9	0.012	0.046	0.94174	0.88994	0.042700096	Intergenic	NA	NA
5	2899890	2899959	1	-0.108179	5	0.0041	0.0091	0.56544	0.67362	0.020486121	Intergenic	NA	NA
5	10163346	10163535	1	0.124679	7	0.0027	0.037	0.83454	0.70986	0.015434547	Intergenic	NA	NA
5	10576740	10576879	0.0036	-0.15341	12	2.90E-08	1.30E-08	0.1124	0.26581	2.43E-06	Intergenic	NA	NA
5	10646124	10646190	1	0.054537	5	0.015	0.039	0.96915	0.91462	0.049419643	Intergenic	NA	NA
5	20195312	20195422	1	-0.115947	5	0.0016	0.015	0.11746	0.2334	0.010628263	Intergenic	NA	NA
5	21516046	21516106	1	0.055743	5	0.0017	0.015	0.96035	0.9046	0.011044014	Intergenic	NA	NA
5	26480571	26480625	1	-0.180053	9	0.0076	0.032	0.33221	0.51227	0.031563309	Intergenic	NA	NA
5	28117816	28117892	1	-0.166624	5	0.0058	0.015	0.37356	0.54019	0.026163814	Intergenic	NA	NA
5	28905270	28905346	1	-0.18106	5	0.0029	0.015	0.36098	0.54204	0.016164653	Intergenic	NA	NA
5	42651733	42651881	1	-0.164952	5	0.00048	0.038	0.19047	0.35542	0.004351843	Intergenic	NA	NA
5	52007445	52007551	1	-0.176919	5	0.008	0.0052	0.10029	0.27721	0.03243956	Intergenic	NA	NA
5	52183385	52183512	1	0.18041	5	0.0053	0.0032	0.78173	0.60132	0.024662043	Intragenic	NM_001135754	Bach2
5	52745709	52746021	1	-0.085057	6	0.0094	0.083	0.16038	0.24543	0.036473186	Intragenic	NM_001134969	Ankrd6

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	53084210	53084305	1	-0.106429	5	0.0049	0.0092	0.05449	0.16092	0.023345384	Intragenic	NM_173322	Pnrc1
5	54727643	54727698	1	0.15651	5	0.0058	0.0017	0.69215	0.53564	0.026163814	Intragenic	NM_001079701	Cfap206
5	55012256	55012509	1	-0.092177	10	0.012	0.07	0.046483	0.13866	0.042700096	Intragenic	NM_001108970	Mob3b
5	55047013	55047207	1	-0.078149	5	0.0024	0.015	0.024465	0.10261	0.014124402	Intragenic	NM_001108970	Mob3b
5	55714096	55714349	1	-0.090328	10	0.015	0.091	0.047517	0.13784	0.049419643	Intergenic	NA	NA
5	55748856	55749050	1	-0.078149	5	0.0024	0.015	0.024465	0.10261	0.014124402	Intergenic	NA	NA
5	56382313	56382411	1	0.084261	5	0.013	0.038	0.89168	0.80742	0.04506341	Intergenic	NA	NA
5	58835933	58836092	1	-0.081757	5	0.0013	0.0031	0.91007	0.99183	0.009111111	Intergenic	NA	NA
5	61760483	61760540	1	-0.093146	5	0.002	0.039	0.14693	0.24008	0.012269327	Intergenic	NA	NA
5	62603612	62603755	1	-0.085561	5	0.0032	0.0053	0.090864	0.17642	0.017454545	Intergenic	NA	NA
5	62917704	62917847	1	-0.056807	5	0.015	0.059	0.027074	0.08388	0.049419643	TSS	NM_001108004	Dnajb5
5	64392743	64392862	1	-0.116376	9	0.0064	0.041	0.23528	0.35166	0.028147795	Intergenic	NA	NA
5	65040927	65040993	1	-0.199463	5	2.20E-05	3.40E-05	0.1678	0.36726	0.000427263	Intragenic	NM_001113754	Grhpr
5	65098558	65098669	1	-0.174489	5	0.0032	0.059	0.25784	0.43233	0.017454545	Intergenic	NA	NA
5	65520133	65520380	1	-0.066371	5	0.0058	0.0017	0.063453	0.12982	0.026163814	Intergenic	NA	NA
5	66229373	66229418	1	-0.110832	5	0.0094	0.038	0.25256	0.36339	0.036473186	Intragenic	NM_001108663	Tstd2
5	67397854	67397997	1	-0.154693	9	2.70E-05	2.90E-05	0.27997	0.43466	0.000503182	Intragenic	NM_001100535	Col15a1
5	68305350	68305389	1	-0.056484	5	0.00054	0.0018	0.01627	0.072754	0.004710638	Intragenic	NM_031628	Nr4a3
5	68989267	68989410	1	-0.142727	9	7.40E-05	0.00013	0.29194	0.43466	0.00109006	Intergenic	NA	NA
5	79988758	79988811	1	-0.168568	5	6.20E-05	0.00052	0.070971	0.23954	0.000939548	Intergenic	NA	NA
5	80478681	80478782	1	-0.086685	5	0.0074	0.015	0.76481	0.8515	0.030871679	Intergenic	NA	NA
5	80685634	80685879	1	-0.127607	5	0.0035	0.0031	0.16214	0.28975	0.018410549	Intergenic	NA	NA
5	81199775	81199879	1	-0.060824	5	0.0094	0.088	0.098021	0.15884	0.036473186	Intragenic	NM_001106651	Snx30
5	82489173	82489267	1	-0.141109	5	3.50E-05	0.00053	0.047255	0.18836	0.000606338	Intragenic	NM_012899	Alad
5	83126150	83126280	1	-0.083416	5	0.013	0.088	0.096085	0.1795	0.04506341	TSS	NM_001012102	Kif12
5	83175912	83176139	1	-0.139734	8	8.30E-05	0.00015	0.064698	0.20443	0.001175701	Intragenic	NM_198747	Col27a1
5	83352384	83352466	1	-0.178374	6	0.0094	0.011	0.25226	0.43064	0.036473186	Intragenic	NM_181088	Dfnb31
5	92832959	92833133	1	0.061886	8	0.0052	0.026	0.91982	0.85793	0.024631579	Intergenic	NA	NA
5	95166186	95166283	1	-0.083626	5	0.00017	0.00053	0.1103	0.19392	0.002036688	Intergenic	NA	NA
5	95168446	95169081	1	-0.072791	62	8.60E-07	0.00013	0.15175	0.18395	3.38E-05	Intergenic	NA	NA
5	95173702	95173732	1	0.139019	5	0.00021	0.0018	0.37329	0.23427	0.002348182	TSS	NR_046238	Rn5-8s
5	95175624	95175637	1	-0.169833	5	0.0038	0.058	0.29653	0.46636	0.019583799	TSS	NR_046238:NR_04	Rn5-8s:Rn5-8s
5	95175641	95177864	1	-0.058682	281	9.80E-05	0.0069	0.17055	0.18781	0.001307848	TSS	NR_046238:NR_04	Rn5-8s:Rn5-8s
5	95177867	95177882	1	-0.270197	5	9.80E-05	0.0018	0.19454	0.46473	0.001307848	TSS	NR_046238	Rn5-8s
5	99698367	99698436	1	-0.110223	5	0.0038	0.0054	0.56864	0.67886	0.019583799	Intergenic	NA	NA
5	102704388	102704446	0.0019	-0.20848	5	6.30E-08	6.80E-09	0.075377	0.28386	4.39E-06	Intergenic	NA	NA
5	102973426	102973495	1	-0.108573	5	0.0032	0.0054	0.56687	0.67544	0.017454545	Intergenic	NA	NA
5	105381919	105382037	1	0.133036	7	0.01	0.069	0.31395	0.18092	0.037614679	Intragenic	NM_001106665	Ttc39b
5	117983961	117984074	1	-0.123453	8	0.0054	0.0087	0.22855	0.35201	0.025095718	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	131284029	131284084	1	-0.197728	5	0.00029	0.00053	0.18312	0.38085	0.002984937	Intergenic	NA	NA
5	131284583	131284646	1	-0.185649	5	0.00023	0.0055	0.10956	0.29521	0.002525893	Intergenic	NA	NA
5	131294596	131294620	1	-0.184785	5	2.40E-05	0.00028	0.099539	0.28432	0.000455321	Intergenic	NA	NA
5	131507773	131507824	1	-0.1338	5	2.80E-05	0.00053	0.075274	0.20907	0.000511485	Intragenic	NM_138508	Scp2
5	134827346	134827509	1	-0.103298	5	0.00054	0.00094	0.68037	0.78367	0.004710638	Intergenic	NA	NA
5	134827701	134827770	1	0.081555	5	0.014	0.088	0.87045	0.7889	0.04726441	Intergenic	NA	NA
5	137258639	137258727	1	-0.083427	5	0.012	0.015	0.096056	0.17948	0.042700096	Intergenic	NA	NA
5	137356709	137356797	1	-0.073542	6	0.00057	0.0027	0.050679	0.12422	0.004925761	Intergenic	NA	NA
5	138533385	138533451	1	0.129928	5	0.008	0.025	0.34845	0.21852	0.03243956	Intergenic	NA	NA
5	139195655	139195741	1	-0.120516	5	0.00097	0.015	0.083097	0.20361	0.007223613	TSS	NM_001035001	Tmem69
5	139956278	139956482	8.90E-05	-0.08489	24	1.60E-11	3.20E-10	0.027577	0.11247	3.28E-09	Intergenic	NA	NA
5	139964625	139964656	1	-0.173564	5	0.0035	0.009	0.2505	0.42407	0.018410549	Intergenic	NA	NA
5	139974408	139974473	1	-0.126493	5	7.80E-05	0.00053	0.10998	0.23647	0.001113424	Intergenic	NA	NA
5	140009518	140009726	1	-0.268939	7	8.40E-08	3.00E-05	0.19115	0.46009	5.44E-06	Intergenic	NA	NA
5	140014309	140014375	1	-0.101441	5	0.0016	0.025	0.11065	0.21209	0.010628263	Intergenic	NA	NA
5	140043824	140043979	1	-0.084128	14	4.10E-10	1.40E-05	0.03641	0.12054	5.82E-08	Intergenic	NA	NA
5	140696863	140696933	1	-0.183271	5	0.00097	0.038	0.13144	0.31471	0.007223613	Intragenic	NM_031697	St3gal3
5	141050276	141050439	1	-0.050775	9	0.0062	7.50E-05	0.36633	0.41711	0.027757612	Intragenic	NM_171993	Cdc20
5	141061695	141061838	1	-0.11978	6	0.00012	0.00094	0.04912	0.1689	0.00153218	Intergenic	NA	NA
5	141108490	141108590	0.098	0.056842	10	0.00025	3.50E-07	0.25145	0.19461	0.002725258	Intragenic	NM_053545	Tie1
5	141147270	141147331	1	-0.207773	5	1.50E-05	7.60E-06	0.25633	0.4641	0.000310955	Intragenic	NM_001108674	RGD1305347
5	141824398	141824456	1	0.059669	5	0.0068	0.015	0.96529	0.90562	0.029075319	Intragenic	NM_001106682	Lao1
5	142994634	142994676	1	-0.081188	5	0.01	0.015	0.052482	0.13367	0.037614679	Intergenic	NA	NA
5	143009279	143009303	1	0.056084	5	2.10E-07	0.93	0.056085	2.50E-07	1.11E-05	Intergenic	NA	NA
5	144603430	144603535	1	-0.148179	5	0.012	0.18	0.19636	0.34454	0.042700096	TSS	NM_001012221	Oxct2a
5	144809195	144809300	1	-0.143028	5	0.014	0.18	0.19973	0.34276	0.04726441	TSS	NM_001012221	Oxct2a
5	144853724	144853867	1	-0.218023	5	0.011	0.015	0.21837	0.43639	0.040408163	Intragenic	NM_001135758	Macf1
5	146774957	146775042	1	-0.187529	5	0.0074	0.0055	0.20199	0.38952	0.030871679	Intragenic	NM_001107980	Rspo1
5	147752127	147752245	1	-0.118098	5	0.0012	0.0018	0.095658	0.21376	0.008573088	Intergenic	NA	NA
5	149220834	149220958	0.8	-0.148121	8	2.60E-06	2.80E-06	0.010399	0.15852	7.93E-05	Intergenic	NA	NA
5	150080107	150080213	1	-0.051258	11	3.50E-05	0.00011	0.015484	0.066742	0.000606338	TSS	NM_001107981	RGD1563072
5	150777276	150777457	1	-0.06805	8	0.015	0.036	0.13435	0.2024	0.049419643	Intergenic	NA	NA
5	151215682	151215869	1	-0.120189	9	0.0058	0.06	0.30167	0.42186	0.026163814	Intragenic	NM_001108683	Sync
5	151349443	151349484	1	-0.199366	5	0.012	0.18	0.39654	0.59591	0.042700096	Intragenic	NM_001109265	Zbtb8b
5	151413548	151413613	1	-0.149688	5	0.00023	0.0092	0.090126	0.23981	0.002525893	TSS	NM_001007650:NM	Tssk3:Fam229a
5	151625166	151625262	1	-0.122535	7	1.10E-05	3.00E-05	0.054017	0.17655	0.000239469	Intragenic	NM_001014192	Tmem39b
5	151747937	151748096	1	-0.062964	8	0.0088	0.13	0.10345	0.16642	0.03504803	Intergenic	NA	NA
5	151935286	151935352	1	-0.192695	5	7.00E-05	0.00097	0.094893	0.28759	0.001035271	Intragenic	NM_001107914	Adgrb2
5	151935392	151935432	1	-0.236669	5	0.00012	0.0017	0.34073	0.5774	0.00153218	Intragenic	NM_001107914	Adgrb2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	152116599	152116694	1	0.099364	5	0.015	0.0053	0.86091	0.76155	0.049419643	Intergenic	NA	NA
5	152147954	152148413	1	-0.067964	13	0.0041	0.055	0.10669	0.17466	0.020486121	Intergenic	NA	NA
5	152246560	152246613	1	-0.050211	5	0.00021	0.0018	0.018593	0.068804	0.002348182	TSS	NM_024162	Fabp3
5	153738776	153738827	1	-0.161396	5	0.0038	0.0054	0.33712	0.49851	0.019583799	Intragenic	NM_001108685	Srsf4
5	153757320	153757434	1	-0.050132	14	0.0003	0.0017	0.054902	0.10503	0.003083565	Intergenic	NA	NA
5	154022582	154022702	1	-0.087981	5	0.002	0.0055	0.033299	0.12128	0.012269327	Intergenic	NA	NA
5	154253315	154253433	1	-0.062774	5	0.015	0.038	0.091509	0.15428	0.049419643	Intergenic	NA	NA
5	154931009	154931526	1	-0.1219	8	7.80E-08	9.60E-06	0.041247	0.16315	5.14E-06	Intragenic	NM_001134956	Ahdc1
5	155117556	155117606	1	-0.061143	5	0.012	0.038	0.065609	0.12675	0.042700096	Intragenic	NM_001025651	Sytl1
5	155117611	155117658	1	-0.120306	5	0.00065	0.0018	0.095264	0.21557	0.005335929	Intragenic	NM_001025651	Sytl1
5	155360206	155360320	1	-0.094405	9	0.014	0.024	0.33523	0.42964	0.04726441	Intragenic	NM_001107907	Fam46b
5	155430919	155431108	0.015	-0.066401	19	2.30E-12	5.40E-08	0.030926	0.097327	5.85E-10	TSS	NM_001004268	Kdf1
5	155439220	155439337	1	-0.102777	9	0.0011	0.0027	0.20449	0.30727	0.007982301	Intragenic	NM_001004268	Kdf1
5	155753290	155753345	1	0.067774	8	0.0017	0.0017	0.86868	0.80091	0.011044014	Intergenic	NA	NA
5	155976662	155976770	1	-0.106448	5	1.70E-05	0.00014	0.050079	0.15653	0.000342787	Intergenic	NA	NA
5	156011964	156012002	1	-0.130848	5	5.00E-05	0.00051	0.46217	0.59302	0.000803922	TSS	NM_053983	Cd52
5	156105212	156105401	0.023	-0.066601	19	1.90E-12	8.30E-08	0.030726	0.097327	5.01E-10	TSS	NM_001004268	Kdf1
5	156113511	156113628	1	-0.102777	9	0.0011	0.0027	0.20449	0.30727	0.007982301	Intragenic	NM_001080151:NM	Cep85:Kdf1
5	156292559	156292832	1	-0.096239	13	0.0015	0.019	0.19831	0.29455	0.01019337	TSS	NM_080903	Trim63
5	156407770	156407896	1	-0.103442	5	0.0017	0.0092	0.038797	0.14224	0.011044014	Intragenic	NM_177932	Pafah2
5	156503849	156503901	1	-0.120875	5	0.0045	0.039	0.10237	0.22325	0.021964286	TSS	NM_001034081	Paqr7
5	157273755	157273968	1	-0.064263	13	0.00063	0.0024	0.090856	0.15512	0.00531968	TSS	NM_130425	Runx3
5	157278095	157278132	1	-0.065065	7	0.00024	0.00049	0.095054	0.16012	0.002620118	Intragenic	NM_130425	Runx3
5	157291337	157291369	1	-0.105509	5	0.0029	0.00098	0.10875	0.21426	0.016164653	Intragenic	NM_130425	Runx3
5	157300216	157300293	1	-0.181563	5	0.0049	0.015	0.20861	0.39018	0.023345384	Intragenic	NM_130425	Runx3
5	157433975	157434125	1	-0.136625	5	9.20E-06	3.30E-05	0.033326	0.16995	0.000206371	Intergenic	NA	NA
5	158199192	158199333	1	-0.085452	8	6.30E-07	9.80E-06	0.042795	0.12825	2.67E-05	Intergenic	NA	NA
5	158303951	158304099	1	-0.09192	5	0.0027	0.039	0.046582	0.1385	0.015434547	Intergenic	NA	NA
5	158385290	158385387	1	-0.195199	5	1.30E-05	3.20E-05	0.068898	0.2641	0.000273333	Intragenic	NM_001015008	Tcea3
5	158409459	158409538	1	-0.130025	5	0.015	0.13	0.15317	0.2832	0.049419643	TSS	NR_036617	RGD1564482
5	158572978	158573053	1	-0.153264	5	0.00012	0.00053	0.40596	0.55923	0.00153218	Intergenic	NA	NA
5	158586060	158586274	1	-0.203911	9	1.40E-06	4.40E-05	0.17069	0.3746	4.97E-05	Intergenic	NA	NA
5	158887541	158887588	1	-0.050996	5	0.0063	0.038	0.048667	0.099664	0.027757612	Intragenic	NM_001127319	Ephb2
5	159824467	159824495	1	-0.134769	5	0.0035	0.039	0.17587	0.31064	0.018410549	Intragenic	NM_001100713	Rap1gap
5	159824512	159824704	1	-0.071668	7	0.0041	0.0082	0.10024	0.17191	0.020486121	Intragenic	NM_001100713	Rap1gap
5	160629677	160630233	1	-0.098875	9	5.50E-05	0.00033	0.076218	0.17509	0.000869165	Intergenic	NA	NA
5	161685726	161685898	1	-0.091842	5	0.0068	0.0055	0.040791	0.13263	0.029075319	Intragenic	NM_001039026	Ubr4
5	161877605	161877761	1	-0.068166	7	0.0065	0.013	0.13166	0.19983	0.028502674	Intergenic	NA	NA
5	162044299	162044487	1	-0.064793	9	0.01	0.046	0.046391	0.11118	0.037614679	TSS	NM_001191984	Pax7

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	162291229	162291358	1	-0.161652	5	0.00048	0.0091	0.19776	0.35941	0.004351843	Intragenic	NM_001271454	Igsf21
5	162404406	162404482	1	-0.085972	5	3.30E-06	3.40E-05	0.035023	0.121	9.48E-05	Intragenic	NM_001271454	Igsf21
5	162407511	162407590	1	-0.113231	5	0.00021	0.0018	0.084507	0.19774	0.002348182	Intragenic	NM_001271454	Igsf21
5	162803979	162804199	1	-0.07496	8	0.0026	0.026	0.05349	0.12845	0.015204437	Intergenic	NA	NA
5	162845509	162845679	1	-0.086463	5	0.0035	0.059	0.034826	0.12129	0.018410549	Intergenic	NA	NA
5	163541824	163541981	1	-0.122089	5	6.20E-05	7.10E-05	0.040549	0.16264	0.000939548	Intergenic	NA	NA
5	163564948	163565374	0.89	-0.145044	15	2.90E-07	3.20E-06	0.12581	0.27085	1.41E-05	Intragenic	NM_001108977	Epha2
5	163573427	163573464	1	-0.151928	5	1.20E-05	0.00027	0.02737	0.1793	0.000257442	Intragenic	NM_001108977	Epha2
5	163893662	163894087	1	-0.104613	12	6.80E-06	0.00067	0.1418	0.24641	0.000166172	TSS	NM_001013936	Slc25a34
5	165014176	165014358	1	0.249718	5	0.0041	0.0054	0.54175	0.29203	0.020486121	Intergenic	NA	NA
5	165257222	165257341	1	-0.140466	5	0.0032	0.0017	0.17629	0.31676	0.017454545	Intergenic	NA	NA
5	168385147	168385339	1	-0.083774	12	0.00037	0.0052	0.20163	0.28541	0.003597628	Intragenic	NM_053827	Plod1
5	169152015	169152086	1	-0.17556	5	0.0068	0.015	0.3665	0.54206	0.029075319	Intergenic	NA	NA
5	169332595	169332655	1	-0.10543	7	0.0017	0.025	0.11345	0.21888	0.011044014	Intergenic	NA	NA
5	169366568	169366697	1	-0.09957	5	0.014	0.024	0.12192	0.22149	0.04726441	Intergenic	NA	NA
5	169424604	169424677	1	-0.076489	9	0.0037	0.016	0.2379	0.31438	0.019379702	Intergenic	NA	NA
5	169858238	169858409	1	0.112633	8	0.0016	0.0011	0.78408	0.67145	0.010628263	Intragenic	NM_001271198	Ube4b
5	170155927	170155978	1	-0.339778	5	0.00065	0.0018	0.385	0.72477	0.005335929	Intragenic	NM_001173388	Ctnnbip1
5	170275939	170275992	1	-0.086513	5	0.00029	0.00097	0.083829	0.17034	0.002984937	TSS	NM_001108978	Pik3cd
5	170512687	170512813	1	-0.074399	8	0.00022	0.001	0.075254	0.14965	0.002452568	Intergenic	NA	NA
5	170661255	170661506	1	-0.138123	8	4.20E-05	0.001	0.066918	0.20504	0.000709291	Intragenic	NM_001106698	H6pd
5	170843866	170844092	1	-0.059929	9	0.0029	0.033	0.035506	0.095435	0.016164653	Intergenic	NA	NA
5	171545522	171545600	1	-0.141519	5	2.90E-06	3.40E-05	0.081371	0.22289	8.70E-05	Intergenic	NA	NA
5	171739398	171739501	1	-0.12633	7	0.00065	0.0083	0.24201	0.36834	0.005335929	Intragenic	NM_001195559	Camta1
5	172018916	172018970	1	-0.130627	5	0.0063	0.015	0.14404	0.27466	0.027757612	Intragenic	NM_001195559	Camta1
5	172174625	172174817	1	-0.053891	7	0.0065	0.012	0.084564	0.13846	0.028502674	Intragenic	NM_001195559	Camta1
5	172827754	172827817	1	-0.105988	9	0.009	0.0094	0.34891	0.4549	0.035786638	Intragenic	NM_201272	Plekhg5
5	172838807	172838867	1	-0.129591	5	3.50E-05	7.10E-05	0.025267	0.15486	0.000606338	Intragenic	NM_201272	Plekhg5
5	172838877	172839009	1	-0.078025	7	0.0053	0.14	0.081879	0.1599	0.024662043	Intragenic	NM_201272	Plekhg5
5	172859456	172859697	1	-0.168747	9	3.80E-05	0.00071	0.17151	0.34025	0.000652186	Intragenic	NM_019622	Espn
5	173048056	173048151	1	-0.056603	5	0.00021	0.00014	0.011233	0.067835	0.002348182	Intergenic	NA	NA
5	174189741	174189933	1	-0.090392	5	0.00019	0.00096	0.05413	0.14452	0.002222187	Intragenic	NM_001101014	Ajap1
5	175150047	175150166	1	-0.147485	5	0.0049	0.024	0.12495	0.27243	0.023345384	Intergenic	NA	NA
5	175236592	175236699	1	-0.126855	5	0.0011	0.0093	0.089178	0.21603	0.007982301	Intergenic	NA	NA
5	175342356	175342443	1	-0.078666	5	0.00097	0.0017	0.12299	0.20166	0.007223613	Intergenic	NA	NA
5	175395906	175395976	1	-0.192746	7	0.0076	0.039	0.4369	0.62965	0.031563309	Intergenic	NA	NA
5	175462992	175463080	1	-0.105365	5	0.013	0.038	0.091641	0.19701	0.04506341	Intergenic	NA	NA
5	175573022	175573070	1	-0.137428	5	0.00023	0.00098	0.40447	0.54189	0.002525893	Intergenic	NA	NA
5	175674340	175674559	1	-0.085579	15	0.00023	0.0043	0.09348	0.17906	0.002525893	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	176693861	176693930	1	-0.149085	5	0.00065	0.00053	0.069164	0.21825	0.005335929	Intragenic	NM_001013938	Vwa1
6	883582	883624	1	-0.195306	5	0.0035	0.0031	0.18659	0.38189	0.018410549	Intragenic	NM_001169103	Crim1
6	2431064	2431218	1	-0.118122	8	0.015	0.051	0.23097	0.34909	0.049419643	Intergenic	NA	NA
6	3624568	3624749	1	-0.084613	8	0.0024	0.037	0.036944	0.12156	0.014124402	TSS	NM_001004282	Tmem178a
6	3682631	3682949	1	-0.1235	10	0.00053	0.016	0.058936	0.18244	0.004710638	Intragenic	NM_001004282	Tmem178a
6	4377702	4377948	1	-0.072357	8	0.00068	0.013	0.058822	0.13118	0.005563636	Intragenic	NM_001270772:NM	Slc8a1:Slc8a1:S
6	7005923	7006034	1	-0.174633	7	2.00E-06	5.10E-05	0.14261	0.31725	6.50E-05	TSS	NM_020076	Haa0
6	7584531	7584801	1	0.083081	9	0.0044	0.025	0.84616	0.76308	0.021881402	Intragenic	NM_001191769	Thada
6	8217643	8217817	1	-0.132123	5	0.0074	0.039	0.12835	0.26048	0.030871679	TSS	NM_017216	Slc3a1
6	8230990	8231084	1	-0.183027	5	7.10E-06	3.40E-05	0.56525	0.74828	0.000169026	Intragenic	NM_017216	Slc3a1
6	8942275	8942547	1	-0.071385	7	0.0035	0.025	0.067284	0.13867	0.018410549	Intergenic	NA	NA
6	9052679	9052764	1	-0.152482	5	0.0032	0.0054	0.28167	0.43415	0.017454545	Intergenic	NA	NA
6	9402356	9402443	1	-0.069266	6	0.011	0.027	0.015253	0.084519	0.040408163	Intergenic	NA	NA
6	9630497	9630584	1	-0.123932	5	0.0013	0.015	0.11197	0.2359	0.009111111	Intragenic	NM_017171	Prkce
6	20807337	20807542	1	-0.114314	5	0.014	0.088	0.73466	0.84898	0.04726441	Intergenic	NA	NA
6	21279158	21279228	1	-0.076864	5	0.0068	0.0018	0.20091	0.27778	0.029075319	TSS	NM_138541	Epcam
6	22228526	22228619	1	-0.23147	5	0.00054	0.015	0.38344	0.61491	0.004710638	Intragenic	NM_001271305	Ppp1r21
6	25209142	25209249	1	-0.171887	5	0.0049	0.0092	0.37144	0.54333	0.023345384	Intergenic	NA	NA
6	28251323	28251385	0.92	-0.15187	9	1.50E-05	3.30E-06	0.1415	0.29337	0.000310955	Intergenic	NA	NA
6	31693678	31693719	1	-0.173998	5	8.80E-05	0.0018	0.195	0.36899	0.00123	Intragenic	NM_001106706	Ttc27
6	34387462	34387503	1	-0.122559	5	0.00012	0.0018	0.091368	0.21393	0.00153218	Intergenic	NA	NA
6	36305703	36305925	1	-0.068992	18	3.10E-06	0.0027	0.061073	0.13007	9.11E-05	TSS	NM_001109674	Krtcap3
6	36623376	36623489	1	-0.06562	13	0.0093	0.072	0.61579	0.68141	0.036473186	Intragenic	NM_139087	Cgref1
6	36637354	36637454	1	-0.08319	7	0.00074	0.0083	0.09131	0.1745	0.005916793	TSS	NM_031855	Khk
6	36739033	36739117	1	-0.135421	5	0.00048	0.0018	0.13132	0.26674	0.004351843	Intergenic	NA	NA
6	37306129	37306189	1	-0.103633	7	0.0083	0.019	0.18665	0.29028	0.033563836	Intragenic	NM_001134754	Seli
6	37445180	37445291	1	-0.055203	8	0.013	0.05	0.031286	0.086489	0.04506341	Intragenic	NM_001191874	Garem2
6	38192155	38192218	1	-0.0597	5	0.014	0.088	0.05768	0.11738	0.04726441	TSS	NM_139326	Pomc
6	38853210	38853227	1	-0.05169	5	0.0087	0.059	0.17021	0.2219	0.034705946	Intergenic	NA	NA
6	38853662	38853689	1	-0.108621	5	0.00072	0.0018	0.1687	0.27732	0.005769381	Intergenic	NA	NA
6	38854063	38854140	1	-0.180324	11	1.70E-05	0.00095	0.10286	0.28318	0.000342787	Intergenic	NA	NA
6	39262697	39262727	1	-0.229386	5	0.0019	0.0093	0.079235	0.30862	0.011943782	Intergenic	NA	NA
6	39263294	39263317	1	0.065672	5	0.0087	0.088	0.56705	0.50137	0.034705946	Intergenic	NA	NA
6	39265020	39265040	1	0.129865	5	2.40E-05	1.60E-05	0.30537	0.17551	0.000455321	Intergenic	NA	NA
6	39265516	39265558	1	0.116608	9	4.10E-06	5.70E-06	0.30993	0.19332	0.000112483	Intergenic	NA	NA
6	39270241	39270259	1	-0.257105	5	9.80E-05	0.00098	0.18209	0.43919	0.001307848	TSS	NR_046238	Rn5-8s
6	39270471	39270484	1	-0.163177	5	0.0049	0.058	0.2986	0.46178	0.023345384	TSS	NR_046238	Rn5-8s
6	39272381	39272409	1	0.113586	5	0.00048	0.0032	0.31441	0.20083	0.004351843	TSS	NR_046238	Rn5-8s
6	39274736	39274764	1	0.126985	5	0.00019	0.00098	0.33242	0.20543	0.002222187	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	42956281	42956413	1	-0.148809	5	0.013	0.038	0.21984	0.36865	0.04506341	TSS	NM_019287	Apob
6	43375627	43375893	1	-0.117596	7	0.0056	0.039	0.15769	0.27528	0.025943503	Intergenic	NA	NA
6	52470219	52470364	1	-0.054259	10	0.0061	0.022	0.91458	0.96884	0.027399878	Intergenic	NA	NA
6	53082681	53082743	1	-0.058296	5	0.00072	0.0055	0.0059764	0.064273	0.005769381	Intergenic	NA	NA
6	53256869	53256965	1	-0.118253	7	0.0065	0.0034	0.16149	0.27974	0.028502674	Intergenic	NA	NA
6	58842754	58842905	1	-0.118786	7	0.011	0.012	0.27871	0.3975	0.040408163	Intergenic	NA	NA
6	59472896	59472997	0.00017	-0.092216	7	5.90E-10	6.00E-10	0.011178	0.10339	7.78E-08	Intergenic	NA	NA
6	62512042	62512107	1	0.116161	5	0.0068	0.015	0.84115	0.72499	0.029075319	Intergenic	NA	NA
6	64604297	64604428	1	-0.074372	5	0.0094	0.088	0.081653	0.15603	0.036473186	Intragenic	NM_001308254:NM_001308254	Ahr:Ahr:Ahr:Ahr
6	72383865	72383894	0.016	-0.219926	10	0.0005	5.80E-08	0.11604	0.33597	0.004511002	Intergenic	NA	NA
6	72511453	72511528	1	0.062603	5	0.01	0.038	0.90201	0.83941	0.037614679	Intergenic	NA	NA
6	79534384	79534562	1	-0.052221	20	2.00E-06	0.00014	0.060525	0.11275	6.50E-05	TSS	NM_012560	Foxg1
6	86184979	86185028	1	-0.122159	5	0.008	0.015	0.40239	0.52455	0.03243956	Intragenic	NM_020083	Ralgapa1
6	87559121	87559178	1	-0.091071	5	0.0035	0.025	0.10283	0.1939	0.018410549	Intragenic	NM_133614	Slc25a21
6	87636484	87636507	1	-0.070081	5	0.013	0.088	0.1238	0.19388	0.04506341	TSS	NM_133614	Slc25a21
6	88156843	88156901	1	-0.132684	5	0.014	0.039	0.15857	0.29125	0.04726441	Intergenic	NA	NA
6	89654601	89654657	1	-0.057308	5	0.013	0.0089	0.10141	0.15872	0.04506341	Intergenic	NA	NA
6	92426811	92426861	0.32	-0.118967	7	5.80E-08	1.10E-06	0.070025	0.18899	4.28E-06	Intergenic	NA	NA
6	92500488	92500538	0.32	-0.11386	7	3.20E-07	1.10E-06	0.075132	0.18899	1.52E-05	Intergenic	NA	NA
6	100830354	100830429	1	-0.285041	5	1.50E-06	3.50E-05	0.25652	0.54156	5.17E-05	Intergenic	NA	NA
6	100915685	100915802	0.1	-0.119376	11	4.40E-07	3.60E-07	0.092473	0.21185	1.96E-05	TSS	NM_012876:NR_110377	Rps29:Rn7sl1
6	101136721	101136838	0.49	-0.110273	11	4.80E-07	1.80E-06	0.087484	0.19776	2.08E-05	TSS	NR_110377	Rn7sl1
6	101558159	101558290	1	-0.114904	8	0.0029	5.30E-05	0.10392	0.21882	0.016164653	Intragenic	NM_001025121	Cdkl1
6	103151061	103151194	1	-0.162488	5	5.00E-05	0.0032	0.084606	0.24709	0.000803922	Intergenic	NA	NA
6	104278904	104278922	1	-0.074169	5	0.00029	0.00098	0.077305	0.15147	0.002984937	TSS	NM_001108031:NM_001108031	L3hypdh:Jkamp
6	105727978	105728089	1	-0.130391	8	1.10E-07	4.20E-05	0.052162	0.18255	6.65E-06	Intergenic	NA	NA
6	106198743	106198914	1	-0.054976	7	0.0021	0.0021	0.054969	0.10995	0.012840099	Intergenic	NA	NA
6	108300407	108300472	0.43	-0.061544	5	1.90E-05	1.50E-06	0.012045	0.073589	0.000376935	Intergenic	NA	NA
6	108844717	108844737	1	0.06184	5	0.00029	0.0055	0.084901	0.023061	0.002984937	TSS	NM_021863	Hspa2
6	108926580	108926625	1	-0.064739	5	0.013	0.058	0.74401	0.80875	0.04506341	Intragenic	NM_001004444	Zbtb1
6	108926658	108926750	1	0.083966	5	0.012	0.038	0.89668	0.81271	0.042700096	Intragenic	NM_001004444	Zbtb1
6	109517774	109517869	1	0.057875	7	0.0035	0.0043	0.88577	0.82789	0.018410549	Intergenic	NA	NA
6	112780253	112780368	1	-0.129663	8	0.00027	0.0039	0.16325	0.29292	0.002883647	Intragenic	NM_001195505:NM_001195505	Srsf5:Srsf5:Srsf5
6	113415395	113415505	1	-0.126253	5	9.20E-06	0.00014	0.19429	0.32054	0.000206371	Intergenic	NA	NA
6	114142601	114142712	1	-0.175731	5	0.015	0.015	0.33686	0.51259	0.049419643	Intergenic	NA	NA
6	114659164	114659247	1	-0.114495	5	0.0074	0.0017	0.48865	0.60315	0.030871679	Intragenic	NM_019342	Rgs6
6	115906026	115906086	1	-0.125103	5	0.0045	0.025	0.15538	0.28048	0.021964286	Intergenic	NA	NA
6	116056376	116056448	0.013	-0.162743	9	1.50E-06	4.60E-08	0.24836	0.4111	5.17E-05	Intragenic	NM_031005	Actn1
6	116943212	116943327	1	-0.068282	5	0.012	0.038	0.096198	0.16448	0.042700096	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	119377889	119378112	1	-0.051763	15	4.30E-06	0.00085	0.045145	0.096908	0.000114978	Intergenic	NA	NA
6	120194200	120194260	1	-0.082155	5	0.0074	0.025	0.11439	0.19655	0.030871679	TSS	NM_001012470	Irf2bpl
6	120194507	120194795	0.00047	-0.052199	21	1.90E-13	1.70E-09	0.027163	0.079362	7.01E-11	TSS	NM_001012470	Irf2bpl
6	121966136	121966257	1	0.071763	8	0.0096	0.0038	0.86965	0.79789	0.037112624	Intragenic	NM_053817	Nrxn3
6	127947189	127947228	1	-0.217662	5	1.50E-05	0.00053	0.11372	0.33139	0.000310955	Intergenic	NA	NA
6	132502092	132502168	1	0.050523	5	0.0049	0.0055	0.99347	0.94295	0.023345384	Intragenic	NM_001108047	Foxn3
6	132770778	132770955	1	-0.204416	6	0.0014	0.0073	0.24984	0.45425	0.00960223	Intragenic	NM_001108047	Foxn3
6	133725562	133725667	1	-0.171708	8	3.10E-07	3.10E-05	0.096497	0.26821	1.49E-05	Intergenic	NA	NA
6	134723676	134723725	1	0.064447	5	0.0032	0.0092	0.89748	0.83304	0.017454545	Intragenic	NM_001025152	Tc2n
6	134954049	134954133	1	-0.241704	5	9.80E-07	3.40E-05	0.36579	0.60749	3.73E-05	Intergenic	NA	NA
6	135692825	135692996	0.85	-0.120444	8	7.80E-08	3.00E-06	0.035356	0.1558	5.14E-06	Intragenic	NM_001191985	Itpk1
6	136408978	136409048	1	-0.195741	5	0.0041	0.015	0.38581	0.58155	0.020486121	Intergenic	NA	NA
6	137325953	137326140	1	-0.092541	10	0.00012	0.0059	0.084113	0.17665	0.00153218	TSS	NM_001047975	LOC690435
6	137725249	137725388	1	-0.099993	5	1.70E-05	1.60E-05	0.0097722	0.10977	0.000342787	Intragenic	NM_001106755	Clmn
6	137796223	137796331	1	-0.100499	6	0.0021	0.0045	0.0076932	0.10819	0.012840099	Intergenic	NA	NA
6	138099665	138099783	1	-0.174246	5	0.012	0.087	0.29545	0.4697	0.042700096	Intergenic	NA	NA
6	138177814	138177884	1	-0.199301	5	0.0027	0.024	0.38225	0.58155	0.015434547	Intergenic	NA	NA
6	138379504	138379646	1	-0.078682	5	0.00097	0.0055	0.017984	0.096667	0.007223613	Intergenic	NA	NA
6	138672452	138672556	1	-0.165738	6	0.012	0.04	0.33806	0.5038	0.042700096	Intergenic	NA	NA
6	138884671	138884714	1	-0.050756	5	0.0016	0.0054	0.047034	0.09779	0.010628263	Intergenic	NA	NA
6	141287557	141287629	1	-0.160644	5	0.002	0.025	0.24708	0.40772	0.012269327	Intergenic	NA	NA
6	141296507	141296637	1	-0.169023	5	0.0008	0.015	0.11706	0.28608	0.006267516	Intergenic	NA	NA
6	141410487	141410514	1	-0.058039	5	0.0068	0.0055	0.022059	0.080098	0.029075319	Intergenic	NA	NA
6	142748373	142748736	0.00039	-0.093929	30	4.30E-05	1.40E-09	0.18766	0.28159	0.00072287	Intragenic	NM_053744	Dlk1
6	142896898	142896989	1	-0.066027	7	0.013	0.019	0.16693	0.23296	0.04506341	TSS	NR_031785:NR_03	Mir341:Mir118
6	144504880	144504935	1	-0.275418	5	0.00054	0.00098	0.46221	0.73763	0.004710638	Intergenic	NA	NA
6	144521293	144521350	1	-0.094405	5	0.0038	0.0032	0.072004	0.16641	0.019583799	Intragenic	NM_001137633	Tnfaip2
6	144657549	144657648	0.016	-0.237093	10	8.80E-11	5.90E-08	0.29224	0.52933	1.58E-08	Intragenic	NM_053620	Cdc42bpb
6	144673007	144673056	1	-0.136767	5	0.014	0.038	0.15605	0.29281	0.04726441	Intergenic	NA	NA
6	144683187	144683635	1	-0.06942	46	0.0015	0.00095	0.2034	0.19414	0.01019337	Intragenic	NM_001108061	Amn
6	144683636	144683746	1	-0.126895	5	3.10E-05	0.00052	0.02138	0.14828	0.000549952	Intragenic	NM_001108061	Amn
6	144683752	144683803	1	-0.076409	5	0.0045	0.088	0.036766	0.11317	0.021964286	Intragenic	NM_001108061	Amn
6	144683840	144683882	1	-0.103734	5	0.00065	0.00052	0.010571	0.1143	0.005335929	Intragenic	NM_001108061	Amn
6	144684527	144684551	1	-0.099007	5	9.80E-05	0.00014	0.10661	0.20562	0.001307848	Intragenic	NM_001108061	Amn
6	144684862	144684894	1	0.107315	5	0.0017	0.015	0.28602	0.1787	0.011044014	Intragenic	NM_001108061	Amn
6	145524525	145524607	1	-0.114391	5	0.0045	0.038	0.11793	0.23233	0.021964286	Intergenic	NA	NA
6	145689282	145689409	1	0.076106	5	0.0035	0.0055	0.94919	0.87308	0.018410549	Intergenic	NA	NA
6	145759328	145759460	0.24	-0.218086	8	5.20E-09	8.70E-07	0.2041	0.42219	5.19E-07	Intragenic	NM_001170348	Kif26a
6	146343045	146343141	1	-0.111247	5	0.012	0.088	0.38843	0.49968	0.042700096	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	146649792	146649920	1	0.062552	9	0.00076	0.0017	0.90533	0.84277	0.006057019	Intragenic	NM_001170595	Gpr132
6	155338330	155338435	1	-0.14596	5	0.0049	0.088	0.50566	0.65162	0.023345384	Intergenic	NA	NA
7	1610230	1610332	1	-0.054117	8	0.0029	0.0059	0.01992	0.074037	0.016164653	Intergenic	NA	NA
7	1610800	1610924	1	-0.072203	13	1.50E-08	0.0001	0.050577	0.12278	1.35E-06	Intergenic	NA	NA
7	1611802	1611913	1	-0.06792	5	0.0019	0.0092	0.1097	0.17762	0.011943782	Intergenic	NA	NA
7	2877154	2877213	1	-0.14291	5	0.00029	3.40E-05	0.10666	0.24957	0.002984937	Intergenic	NA	NA
7	9506913	9507012	1	-0.28431	5	0.012	0.0052	0.24423	0.52854	0.042700096	Intergenic	NA	NA
7	11246081	11246129	1	-0.231081	5	0.0032	0.059	0.36513	0.59621	0.017454545	TSS	NM_001108075	S1pr4
7	11313666	11313726	1	-0.11496	5	0.00036	0.00052	0.059628	0.17459	0.003505013	Intergenic	NA	NA
7	11383826	11384007	1	-0.06989	15	0.0061	0.0053	0.22495	0.29484	0.027399878	TSS	NM_001109605	LOC690617
7	11392933	11393040	1	-0.171906	5	0.0045	0.0092	0.37144	0.54335	0.021964286	Intergenic	NA	NA
7	11407106	11407148	1	-0.136776	5	0.0041	0.025	0.60725	0.74403	0.020486121	TSS	NM_001108731	Hmg20b
7	11421546	11421570	1	-0.301741	5	0.00039	0.0054	0.30712	0.60886	0.003723415	Intragenic	NM_017054	Tbxa2r
7	11421631	11421682	1	-0.397182	7	4.00E-08	3.00E-05	0.16678	0.56396	3.14E-06	Intragenic	NM_017054	Tbxa2r
7	11421715	11421773	1	-0.072526	5	0.0087	0.0093	0.096707	0.16923	0.034705946	Intragenic	NM_017054	Tbxa2r
7	11421963	11421993	1	-0.131706	5	0.00036	0.0054	0.21647	0.34818	0.003505013	Intragenic	NM_017054	Tbxa2r
7	11562342	11562381	1	-0.225782	5	5.00E-05	0.00052	0.14025	0.36603	0.000803922	Intragenic	NM_022546	Dapk3
7	11772387	11772565	1	-0.070718	10	0.00015	9.60E-05	0.1723	0.24302	0.001835821	Intragenic	NM_024138	Gng7
7	11913912	11913951	1	-0.100806	7	0.0087	0.012	0.47824	0.57905	0.034705946	Intragenic	NM_001109609	Lingo3
7	12163338	12163680	1	-0.069261	25	0.013	0.0035	0.50115	0.57041	0.04506341	Intragenic	NM_001006983	Abhd17a
7	12286469	12286685	1	-0.063097	10	0.012	0.12	0.084467	0.14756	0.042700096	Intergenic	NA	NA
7	12434084	12434161	1	-0.21291	10	8.40E-06	0.00025	0.41075	0.62366	0.000195558	Intragenic	NM_001106769	Apc2
7	12443973	12444170	1	-0.074239	5	0.014	0.024	0.088363	0.1626	0.04726441	TSS	NM_001106769	Apc2
7	12458949	12459060	1	-0.142659	5	0.00036	0.0031	0.068913	0.21157	0.003505013	Intergenic	NA	NA
7	12462883	12463224	1	-0.074958	10	0.0061	0.0057	0.10623	0.18119	0.027399878	Intragenic	NM_001025742	Dazap1
7	12570817	12570913	1	-0.098418	5	2.20E-06	7.60E-06	0.053492	0.15191	6.91E-05	TSS	NM_001109283	RGD1562114
7	12686537	12686600	1	-0.204887	5	0.00021	0.0018	0.28533	0.49022	0.002348182	Intragenic	NM_001039849:NM	Gpx4:Gpx4
7	12779162	12779220	1	0.05171	5	0.0041	0.039	0.06783	0.016121	0.020486121	TSS	NM_001301151:NM	Kiss1r:Kiss1r:R3
7	12779591	12779712	1	0.065593	7	0.0046	0.14	0.10642	0.040824	0.022422721	TSS	NM_001301151:NM	Kiss1r:Kiss1r:R3
7	12830912	12831046	1	-0.159434	5	0.00059	0.0018	0.059895	0.21933	0.005010587	Intragenic	NM_001108067:NM	Hmha1:Plppr3
7	12832289	12832388	1	-0.111419	5	0.00097	0.0018	0.089808	0.20123	0.007223613	Intragenic	NM_001108067:NM	Hmha1:Plppr3
7	12876079	12876227	1	-0.136012	7	0.0012	0.0012	0.06123	0.19724	0.008573088	TSS	NM_001109284	Misp
7	12901944	12901983	1	-0.130887	6	0.0094	0.027	0.66241	0.7933	0.036473186	Intragenic	NM_001108067:NM	Hmha1:Palms
7	13008159	13008290	1	-0.057711	6	0.011	0.059	0.033749	0.09146	0.040408163	Intergenic	NA	NA
7	13021524	13021558	1	0.099297	5	0.002	0.0089	0.91201	0.81272	0.012269327	Intergenic	NA	NA
7	13021808	13021860	1	-0.167254	5	0.0029	0.003	0.31817	0.48542	0.016164653	Intergenic	NA	NA
7	13021865	13021910	0.67	-0.208962	7	4.90E-07	2.40E-06	0.19622	0.40518	2.11E-05	Intergenic	NA	NA
7	13047614	13047717	1	-0.109757	7	0.0051	0.027	0.16653	0.27629	0.024220077	Intragenic	NM_001109882:NM	Bsg:Bsg
7	13144027	13144485	1	-0.197951	8	4.20E-05	1.60E-05	0.12399	0.32194	0.000709291	TSS	NM_001109285	C2cd4c

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	13144583	13144834	1	-0.101317	21	0.0032	0.078	0.22099	0.19106	0.017454545	TSS	NM_001109285	C2cd4c
7	14273406	14273451	1	-0.122372	5	0.0022	0.015	0.20783	0.33021	0.01321074	Intergenic	NA	NA
7	14559960	14560039	1	-0.082046	6	0.002	0.0003	0.043949	0.12599	0.012269327	Intragenic	NM_001134562	Rasal3
7	14563801	14564243	1	-0.063343	15	8.60E-08	4.20E-06	0.036408	0.099751	5.47E-06	Intragenic	NM_001134562	Rasal3
7	14564530	14564672	1	-0.070489	5	0.0068	0.038	0.14943	0.21992	0.029075319	Intragenic	NM_001134562	Rasal3
7	15550645	15550683	1	-0.126328	5	7.00E-05	0.00051	0.46885	0.59518	0.001035271	Intergenic	NA	NA
7	16759642	16759711	1	0.067951	5	0.0045	0.059	0.94047	0.87252	0.021964286	Intergenic	NA	NA
7	18811784	18811869	1	-0.057387	5	0.015	0.015	0.050609	0.108	0.049419643	TSS	NM_199115	Angptl4
7	22168936	22169093	1	-0.133678	8	0.0037	0.025	0.5813	0.71498	0.019379702	Intergenic	NA	NA
7	22618565	22618584	1	-0.105259	5	0.0074	0.088	0.23676	0.34202	0.030871679	Intergenic	NA	NA
7	23726346	23726572	1	-0.057617	6	0.0034	0.018	0.038836	0.096454	0.018409391	Intragenic	NM_017109:NM_0	Syn3:Timp3
7	26443620	26443678	1	0.099158	5	0.012	0.0018	0.80502	0.70586	0.042700096	Intergenic	NA	NA
7	26496967	26497007	1	-0.20274	5	0.00054	0.0054	0.48199	0.68473	0.004710638	Intergenic	NA	NA
7	27484083	27484165	1	-0.20547	5	0.01	0.087	0.40501	0.61048	0.037614679	Intergenic	NA	NA
7	30205932	30205959	1	-0.105723	5	0.0038	0.00098	0.045413	0.15114	0.019583799	Intragenic	NM_021745	Nr1h4
7	34465417	34465688	1	-0.057019	15	0.00089	0.0029	0.13708	0.19409	0.006792347	Intragenic	NM_001191781	Amdhd1
7	34792308	34792449	0.34	-0.128794	7	1.30E-07	1.20E-06	0.034675	0.16347	7.61E-06	Intragenic	NM_001108083	Usp44
7	35413096	35413213	1	-0.240937	5	0.00036	0.0031	0.17028	0.41121	0.003505013	Intergenic	NA	NA
7	36026191	36026306	1	-0.118528	9	3.00E-06	2.80E-05	0.023054	0.14158	8.86E-05	Intergenic	NA	NA
7	36121119	36121154	1	-0.103478	5	0.01	0.015	0.33228	0.43575	0.037614679	Intergenic	NA	NA
7	36411721	36411990	1	-0.149555	5	0.01	0.038	0.17123	0.32079	0.037614679	Intergenic	NA	NA
7	36700269	36700361	1	-0.113222	5	0.0058	0.00053	0.063925	0.17715	0.026163814	Intragenic	NM_053598	Nudt4
7	36917020	36917105	0.005	-0.2083	5	6.30E-08	1.80E-08	0.048637	0.25694	4.39E-06	Intergenic	NA	NA
7	56709938	56710005	1	-0.109474	5	0.0094	0.015	0.70243	0.81191	0.036473186	Intergenic	NA	NA
7	59722236	59722358	1	0.062398	5	0.0063	0.0031	0.96281	0.90041	0.027757612	Intergenic	NA	NA
7	63252848	63252889	1	-0.111256	5	0.0019	0.0053	0.086311	0.19757	0.011943782	Intragenic	NM_001134780	Parvb
7	70335581	70335675	1	0.070081	5	0.0016	0.00098	0.89478	0.8247	0.010628263	Intergenic	NA	NA
7	70542250	70542971	1.20E-05	-0.087777	41	6.80E-14	4.30E-11	0.072127	0.1599	3.20E-11	TSS	NM_023026	Agap2
7	70553666	70553858	1.50E-07	-0.05461	22	4.70E-14	5.50E-13	0.01756	0.072169	3.20E-11	Intragenic	NM_023026	Agap2
7	70634756	70634821	1	-0.120046	5	0.0024	0.038	0.13106	0.25111	0.014124402	Intragenic	NM_022860	B4galnt1
7	70635506	70635637	1	-0.138517	5	0.00097	0.015	0.09496	0.23348	0.007223613	Intragenic	NM_022860	B4galnt1
7	70635666	70635746	0.0034	-0.202577	9	1.50E-10	1.20E-08	0.095286	0.29786	2.41E-08	Intragenic	NM_022860	B4galnt1
7	70635774	70635831	1	-0.09761	5	0.00039	0.0032	0.065987	0.1636	0.003723415	Intragenic	NM_022860	B4galnt1
7	70635836	70635895	1	-0.111532	5	0.00065	0.015	0.076691	0.18822	0.005335929	Intragenic	NM_022860	B4galnt1
7	70653874	70653916	1	-0.076576	5	0.0016	0.0054	0.10674	0.18332	0.010628263	TSS	NM_199395	Arhgef25
7	70816058	70816137	1	-0.084412	5	0.0045	0.015	0.056041	0.14045	0.021964286	TSS	NM_031815	Inhbe
7	71283158	71283243	0.018	-0.306746	9	3.40E-09	6.50E-08	0.15715	0.4639	3.53E-07	Intergenic	NA	NA
7	71643782	71643925	0.14	-0.102616	13	1.70E-07	5.00E-07	0.080169	0.18279	9.65E-06	Intergenic	NA	NA
7	71786598	71786741	0.14	-0.102616	13	1.70E-07	5.00E-07	0.080169	0.18279	9.65E-06	Intragenic	NM_013082	Sdc2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	73248282	73248318	1	-0.335494	5	2.40E-05	0.00028	0.20419	0.53969	0.000455321	Intergenic	NA	NA
7	74055129	74055196	1	-0.117473	5	0.0019	0.0055	0.12538	0.24285	0.011943782	TSS	NM_031735	Stk3
7	74495643	74495734	0.013	-0.051677	16	6.90E-14	4.50E-08	0.13009	0.18177	3.20E-11	Intragenic	NM_001134886	Vps13b
7	75922216	75922389	1	-0.149795	5	0.0016	0.0054	0.076814	0.22661	0.010628263	Intergenic	NA	NA
7	76003532	76003579	1	-0.450256	5	1.50E-06	7.60E-06	0.21189	0.66214	5.17E-05	Intergenic	NA	NA
7	77366257	77366322	1	-0.151931	5	0.011	0.0054	0.64545	0.79738	0.040408163	Intergenic	NA	NA
7	89748716	89748784	1	-0.06087	5	0.0068	0.0092	0.90267	0.96354	0.029075319	Intergenic	NA	NA
7	100115779	100115881	1	0.060197	5	0.0058	0.015	0.9301	0.8699	0.026163814	Intergenic	NA	NA
7	100115958	100116065	1	-0.296863	5	0.00011	0.00014	0.61031	0.90717	0.001431746	Intergenic	NA	NA
7	100835036	100835185	1	-0.132951	5	0.013	0.0054	0.52316	0.65611	0.04506341	Intergenic	NA	NA
7	104477215	104477588	1	0.095058	9	0.00082	0.0019	0.84045	0.74539	0.006410593	Intergenic	NA	NA
7	115478522	115478597	1	-0.130308	5	8.10E-06	0.00014	0.043393	0.1737	0.000191596	Intergenic	NA	NA
7	117251004	117251178	1	0.309207	7	0.00045	0.0021	0.54356	0.23435	0.00418262	TSS	NM_022401:NM_0	Plec:Plec
7	117506847	117506901	1	-0.099392	8	3.90E-06	0.00039	0.056779	0.15617	0.000108203	TSS	NM_001130508	Scx
7	117717541	117717647	1	-0.149192	9	1.90E-06	1.70E-05	0.088682	0.23787	6.26E-05	Intragenic	NM_198752	Kifc2
7	117771410	117771516	1	-0.173138	5	3.90E-05	0.00096	0.12391	0.29704	0.000661655	Intragenic	NM_001135896	Lrrc24
7	117777655	117777711	1	-0.145863	5	6.30E-06	0.0018	0.15183	0.29769	0.000156545	TSS	NM_001007751	MGC94207
7	117948692	117948867	1	-0.138086	5	0.0094	0.088	0.11789	0.25598	0.036473186	TSS	NM_139108	Commd5
7	118496097	118496272	1	-0.140574	5	0.0074	0.038	0.11541	0.25598	0.030871679	TSS	NM_139108	Commd5
7	119132615	119132723	0.092	-0.191323	6	1.30E-07	3.30E-07	0.037543	0.22887	7.61E-06	Intergenic	NA	NA
7	119222911	119222945	1	-0.108283	5	0.0038	0.015	0.030306	0.13859	0.019583799	Intragenic	NM_053351	Cacng2
7	119613136	119613276	1	-0.142707	6	0.0015	0.0073	0.11657	0.25928	0.01019337	TSS	NM_012808	Tst
7	120015088	120015146	1	-0.209328	5	2.50E-06	0.00014	0.074607	0.28393	7.69E-05	Intragenic	NM_001130554	Card10
7	120017693	120017811	1	-0.192956	5	1.70E-05	0.00027	0.21218	0.40513	0.000342787	TSS	NM_001130554	Card10
7	120203779	120203848	1	-0.124976	5	0.00039	0.0018	0.073499	0.19848	0.003723415	Intragenic	NM_001013220	Triobp
7	121086372	121086557	1	-0.072063	11	0.015	0.02	0.096741	0.1688	0.049419643	Intergenic	NA	NA
7	121402971	121403128	1	-0.136959	5	0.0029	0.0018	0.067993	0.20495	0.016164653	Intragenic	NM_019239	Mgat3
7	121507445	121507525	1	-0.146037	5	4.40E-05	0.00027	0.10752	0.25356	0.000729708	TSS	NM_020084	Cacna1i
7	121537588	121537690	1	0.074026	5	0.00048	0.0018	0.94666	0.87264	0.004351843	Intragenic	NM_020084	Cacna1i
7	121552823	121552950	1	-0.052904	5	0.0068	0.039	0.039109	0.092012	0.029075319	Intragenic	NM_020084	Cacna1i
7	121579882	121579981	1	-0.114547	5	9.80E-07	1.60E-05	0.045041	0.15959	3.73E-05	Intragenic	NM_020084	Cacna1i
7	121580033	121580115	1	-0.115614	5	1.20E-05	1.60E-05	0.15019	0.2658	0.000257442	Intragenic	NM_020084	Cacna1i
7	122151974	122152006	0.078	-0.169944	5	1.80E-07	2.80E-07	0.28903	0.45897	9.99E-06	TSS	NM_001008373	Srek1ip1
7	123424230	123424269	1	-0.065256	7	0.001	0.013	0.071242	0.1365	0.007409639	Intragenic	NM_001207022	Shisa8
7	123439787	123439869	1	-0.065579	5	0.0032	0.025	0.061654	0.12723	0.017454545	Intergenic	NA	NA
7	123759236	123759320	1	-0.082403	10	0.0011	0.016	0.13281	0.21521	0.007982301	Intergenic	NA	NA
7	124415994	124416055	1	-0.141191	5	0.013	0.059	0.24961	0.39081	0.04506341	Intergenic	NA	NA
7	124668366	124668421	1	-0.255455	5	0.0038	0.059	0.30966	0.56511	0.019583799	Intergenic	NA	NA
7	125306716	125306834	1	-0.111307	5	0.0049	0.00052	0.011426	0.12273	0.023345384	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	126257276	126257367	1	-0.269953	7	1.10E-06	0.00029	0.13309	0.40304	4.02E-05	Intergenic	NA	NA
7	126721888	126721951	1	-0.187015	5	0.0053	0.024	0.3842	0.57121	0.024662043	Intergenic	NA	NA
7	127423938	127424040	1	-0.246579	5	0.00059	0.015	0.17553	0.42211	0.005010587	Intergenic	NA	NA
7	127559162	127559197	1	-0.143509	5	8.10E-06	6.90E-05	0.096372	0.23988	0.000191596	Intergenic	NA	NA
7	128530268	128530420	1	-0.078578	7	0.0015	0.039	0.061465	0.14004	0.01019337	Intergenic	NA	NA
7	129546532	129546659	1	-0.081973	8	0.0021	0.0087	0.057495	0.13947	0.012840099	TSS	NM_022602	Pim3
7	130183238	130183768	1	-0.131186	32	0.0039	0.0057	0.21359	0.13512	0.0199875	Intragenic	NM_021676	Shank3
7	130207604	130207635	1	-0.184722	5	0.0068	0.0054	0.3316	0.51632	0.029075319	Intragenic	NM_021676	Shank3
7	135424697	135424763	1	0.109393	5	0.0049	0.0053	0.87544	0.76604	0.023345384	Intragenic	NM_001309489	Muc19
7	137608034	137608113	1	-0.101183	5	0.012	0.015	0.74489	0.84607	0.042700096	Intragenic	NM_138832	Slc38a1
7	138090016	138090129	0.0043	-0.417913	7	6.50E-10	1.50E-08	0.25007	0.66798	8.42E-08	Intragenic	NM_130748	Slc38a4
7	138459946	138460070	1	-0.161909	5	0.014	0.024	0.24085	0.40276	0.04726441	Intragenic	NM_001039454	Pced1b
7	140033302	140033410	1	-0.160906	5	0.00088	0.0055	0.1878	0.34871	0.006722981	Intergenic	NA	NA
7	140521801	140521858	1	-0.108623	5	0.01	0.015	0.30759	0.41621	0.037614679	Intergenic	NA	NA
7	140887118	140887250	1	-0.093505	8	0.0067	0.094	0.13096	0.22446	0.029075319	TSS	NM_001101675	Krt83
7	141541459	141541662	1	-0.098203	11	0.012	0.12	0.14831	0.24651	0.042700096	Intergenic	NA	NA
7	142369838	142369952	1	0.261672	5	0.012	0.025	0.47544	0.21377	0.042700096	TSS	NM_001308636	Hoxc10
7	142374619	142374838	1	-0.05828	18	0.0009	0.0036	0.12081	0.17909	0.006847423	TSS	NR_031913	Mir196a
7	142439496	142439562	1	-0.082225	5	0.012	0.038	0.12277	0.205	0.042700096	TSS	NM_001109884	Hoxc4
7	142439601	142439626	1	-0.127319	5	9.20E-06	7.10E-05	0.064742	0.19206	0.000206371	TSS	NM_001109884	Hoxc4
7	142591826	142591939	1	-0.081935	7	0.001	0.019	0.12585	0.20779	0.007409639	Intergenic	NA	NA
8	934334	934425	1	-0.058253	5	0.0016	0.015	0.89798	0.95623	0.010628263	Intergenic	NA	NA
8	2834135	2834204	1	-0.066631	5	0.014	0.059	0.071883	0.13851	0.04726441	Intergenic	NA	NA
8	4308765	4308842	1	-0.306983	5	0.00023	0.00028	0.13055	0.43753	0.002525893	Intergenic	NA	NA
8	16016192	16016219	1	0.157161	5	0.00048	3.30E-05	0.59701	0.43985	0.004351843	Intergenic	NA	NA
8	21950842	21951275	1	-0.153657	9	0.00079	0.017	0.35919	0.51285	0.006267516	Intragenic	NM_001025054	LOC500956
8	22063249	22063320	1	-0.138987	5	0.0063	0.038	0.64796	0.78695	0.027757612	Intergenic	NA	NA
8	22111625	22111653	1	-0.107185	5	0.00026	0.0055	0.093745	0.20093	0.002784906	Intragenic	NM_001172079	Icam5
8	22906266	22906367	1	-0.086386	7	0.014	0.078	0.15979	0.24618	0.04726441	Intragenic	NM_001108997	Dock6
8	23008931	23009000	1	-0.076143	5	0.0027	0.058	0.048908	0.12505	0.015434547	Intragenic	NM_001005881	Plppr2
8	30755539	30755883	1	-0.063186	11	0.002	0.011	0.046755	0.10994	0.012269327	Intergenic	NA	NA
8	33457234	33457308	1	-0.133547	5	0.012	0.0092	0.24012	0.37366	0.042700096	Intragenic	NM_017297	Kcnj5
8	33706799	33706874	1	-0.068356	5	0.0068	0.00098	0.011088	0.079444	0.029075319	Intergenic	NA	NA
8	36194990	36195046	1	-0.202431	5	0.0041	0.038	0.2396	0.44203	0.020486121	Intragenic	NM_001048215	Kirrel3
8	36262511	36262556	1	-0.063591	5	0.012	0.038	0.065013	0.1286	0.042700096	Intragenic	NM_001048215	Kirrel3
8	39613771	39613909	1	-0.195346	5	0.0058	0.087	0.35782	0.55316	0.026163814	Intergenic	NA	NA
8	40123087	40123182	1	-0.09069	8	0.0011	0.00013	0.11533	0.20602	0.007982301	TSS	NM_001009344	Tbrg1
8	41393715	41393776	1	-0.10998	5	0.011	0.057	0.53914	0.64912	0.040408163	Intergenic	NA	NA
8	45083362	45083479	1	0.125006	11	0.0055	0.046	0.59267	0.46766	0.025544368	Intragenic	NM_001106814	Tecta

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	45083492	45083590	1	0.201904	8	4.80E-07	0.00015	0.73625	0.53434	2.08E-05	Intragenic	NM_001106814	Tecta
8	45702909	45703009	1	-0.094573	5	0.0063	0.059	0.10864	0.20322	0.027757612	Intergenic	NA	NA
8	46103898	46103985	0.077	-0.178752	5	2.80E-07	2.80E-07	0.065482	0.24423	1.37E-05	Intragenic	NM_173154	Clmp
8	46312474	46312560	1	-0.10048	6	4.90E-05	0.0027	0.053194	0.15367	0.0008036	Intragenic	NM_001106815	Trim29
8	46486144	46486259	1	-0.141069	5	0.0049	0.00053	0.078743	0.21981	0.023345384	Intergenic	NA	NA
8	47198984	47199052	1	-0.199636	5	0.00054	0.0017	0.29909	0.49873	0.004710638	TSS	NM_001191996	Pdzd3
8	47543160	47543395	1.00E-05	-0.090281	13	3.90E-13	3.60E-11	0.037943	0.12822	1.25E-10	TSS	NM_001109292	Ddx6
8	47661275	47661408	1	-0.248218	5	0.0032	0.0054	0.54326	0.79147	0.017454545	Intergenic	NA	NA
8	47960995	47961070	1	0.073338	5	0.01	0.015	0.89146	0.81812	0.037614679	TSS	NM_001106818	Mpzl2
8	58470187	58470295	1	-0.132923	9	0.00021	0.0017	0.14166	0.27459	0.002348182	Intergenic	NA	NA
8	63013109	63013226	0.1	-0.119376	11	4.40E-07	3.60E-07	0.092473	0.21185	1.96E-05	Intergenic	NA	NA
8	63184111	63184156	1	0.128773	8	0.015	0.094	0.71795	0.58918	0.049419643	Intragenic	NM_019380	Nptn
8	63797695	63797791	1	-0.201387	5	0.0087	0.058	0.27972	0.48111	0.034705946	Intergenic	NA	NA
8	63914723	63915059	1	-0.118494	9	0.0027	0.017	0.34166	0.46015	0.015434547	TSS	NM_001106826	Bbs4
8	64611887	64611927	1	-0.191027	5	0.013	0.038	0.42147	0.6125	0.04506341	Intergenic	NA	NA
8	66437569	66437702	1	-0.072486	9	0.00029	0.0027	0.04834	0.12083	0.002984937	Intergenic	NA	NA
8	66719909	66720011	1	-0.198053	8	0.00034	0.0087	0.35591	0.55396	0.0034	Intergenic	NA	NA
8	67042477	67043226	1	-0.0555	11	0.0013	0.026	0.069983	0.12548	0.009111111	Intergenic	NA	NA
8	67710579	67710683	1	-0.116036	10	9.60E-06	0.00016	0.11217	0.22821	0.000214042	Intergenic	NA	NA
8	68397670	68397703	1	0.052318	5	1.10E-06	1	0.052318	0	4.02E-05	TSS	NM_013095	Smad3
8	69816672	69816757	1	-0.068501	9	0.013	0.079	0.15419	0.22269	0.04506341	Intergenic	NA	NA
8	70811550	70811575	1	0.147407	5	0.0058	0.024	0.28307	0.13566	0.026163814	TSS	NM_001044253	Pif1
8	71490590	71490750	1	-0.079268	8	9.30E-05	8.80E-05	0.019627	0.098895	0.001278101	Intergenic	NA	NA
8	85303949	85303993	1	-0.057618	7	0.0027	0.0082	0.040524	0.098143	0.015434547	Intergenic	NA	NA
8	86726281	86726454	1	-0.126478	5	0.0038	0.025	0.07833	0.20481	0.019583799	Intergenic	NA	NA
8	89874803	89874936	1	-0.113972	5	0.0068	0.0055	0.25758	0.37155	0.029075319	Intragenic	NM_001277283	lrak1bp1
8	90428919	90428948	1	-0.242508	5	0.0014	0.024	0.40986	0.65237	0.00960223	Intergenic	NA	NA
8	90503641	90503737	1	-0.233149	7	0.00054	0.025	0.37269	0.60584	0.004710638	TSS	NM_001013954	Lca5
8	102961877	102961932	1	0.160583	5	0.0053	0.0017	0.69387	0.53329	0.024662043	Intragenic	NM_053558	Trpc1
8	103810221	103810384	1	-0.07621	7	0.0026	0.0054	0.10895	0.18516	0.015204437	Intergenic	NA	NA
8	104198437	104198568	1	-0.184374	5	0.0094	0.0088	0.54835	0.73272	0.036473186	Intragenic	NM_001007710	Pxylp1
8	104534484	104534573	1	-0.125122	8	2.10E-05	5.50E-06	0.33802	0.46314	0.00041328	Intergenic	NA	NA
8	107231871	107232031	1	-0.055949	11	0.00033	0.0079	0.039932	0.095881	0.003313469	Intragenic	NM_001173354	Armc8
8	107813089	107813231	1	-0.08579	5	0.008	0.13	0.097131	0.18292	0.03243956	Intergenic	NA	NA
8	110339935	110340056	1	-0.108575	7	0.01	0.027	0.12526	0.23384	0.037614679	Intergenic	NA	NA
8	110607008	110607343	1	-0.055248	12	0.00069	0.0028	0.13091	0.18616	0.00562053	Intragenic	NM_031717	Amotl2
8	110666127	110666264	1	-0.065839	5	0.00029	0.0032	0.02724	0.093079	0.002984937	Intergenic	NA	NA
8	111425686	111425756	1	-0.172	5	0.00054	0.015	0.10742	0.27942	0.004710638	Intergenic	NA	NA
8	113488301	113488394	1	-0.106418	6	0.0012	0.018	0.069705	0.17612	0.008573088	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	114215541	114215782	1	-0.22528	10	8.30E-08	2.50E-05	0.1809	0.40618	5.42E-06	Intragenic	NM_001109449	Glyctk
8	114216099	114216354	1	-0.155735	6	0.00022	0.00087	0.07371	0.22945	0.002452568	Intragenic	NM_001109449	Glyctk
8	115710582	115710650	1	-0.182376	5	0.0013	0.038	0.23447	0.41685	0.009111111	Intragenic	NM_001079942	Sema3b
8	116242818	116242992	1	-0.113806	8	0.00053	0.0017	0.11351	0.22731	0.004710638	Intragenic	NM_019146	Bsn
8	117561677	117561727	1	-0.115913	7	2.40E-06	1.60E-05	0.041144	0.15706	7.47E-05	TSS	NM_001106861	Smarcc1
8	117884474	117884588	1	-0.139804	6	0.0015	0.058	0.11134	0.25115	0.01019337	Intragenic	NM_001108782	Elp6
8	121299236	121299580	1	-0.229571	5	0.0045	0.038	0.22103	0.4506	0.021964286	Intergenic	NA	NA
8	121767136	121767200	1	-0.151432	5	8.50E-07	1.60E-05	0.036599	0.18803	3.35E-05	Intragenic	NM_001108192	Glb1
8	122936923	122936972	1	-0.138724	5	0.00065	0.038	0.62824	0.76697	0.005335929	Intergenic	NA	NA
8	123147872	123147895	1	0.176833	5	0.0017	0.0032	0.90618	0.72934	0.011044014	Intergenic	NA	NA
8	123148615	123148725	1	0.149266	5	0.0038	0.0092	0.90096	0.75169	0.019583799	Intergenic	NA	NA
8	124621055	124621156	1	-0.126144	5	0.00044	0.015	0.10724	0.23339	0.0041	Intergenic	NA	NA
8	124692708	124692749	1	-0.119184	6	4.30E-06	9.00E-05	0.040941	0.16012	0.000114978	Intergenic	NA	NA
8	126408859	126408981	1	-0.208055	8	4.40E-06	1.70E-05	0.13575	0.3438	0.000117227	Intragenic	NM_001106865:NM	Ctdspl:Golga4
8	126579723	126579900	1	-0.178137	10	6.40E-06	0.0027	0.21039	0.38852	0.000157967	Intragenic	NM_001106865	Ctdspl
8	126856419	126856691	1	-0.081021	7	0.00018	9.30E-05	0.003348	0.084369	0.002142581	Intragenic	NM_001106865	Ctdspl
8	131033964	131034237	1	-0.114474	16	0.0014	0.017	0.25187	0.36634	0.00960223	Intergenic	NA	NA
8	131841424	131841469	1	0.147894	6	0.0023	0.00095	0.93664	0.78875	0.013777597	Intergenic	NA	NA
8	132359608	132359645	1	-0.183636	5	0.00039	0.0054	0.22773	0.41137	0.003723415	Intergenic	NA	NA
9	1461284	1461376	1	-0.086655	5	0.008	0.059	0.3783	0.46495	0.03243956	Intragenic	NM_001134762	Tbc1d5
9	3237759	3237781	1	-0.05374	5	0.01	0.059	0.012448	0.066188	0.037614679	Intragenic	NM_001013177	Sult1c2a
9	6514430	6514452	1	-0.050239	5	0.0019	0.038	0.057327	0.10757	0.011943782	Intergenic	NA	NA
9	6514530	6514595	1	-0.184838	5	0.00019	0.00014	0.22262	0.40746	0.002222187	Intergenic	NA	NA
9	7414634	7414676	1	-0.054916	5	0.015	0.015	0.026483	0.081399	0.049419643	Intergenic	NA	NA
9	9042454	9042510	0.0019	-0.261912	5	6.30E-08	6.80E-09	0.070509	0.33242	4.39E-06	Intragenic	NM_001007711	Gtf2f1
9	9576582	9576666	1	-0.096942	5	0.0017	0.015	0.13149	0.22843	0.011044014	TSS	NM_019140	Ptprs
9	9937269	9937330	1	0.070456	8	0.015	0.035	0.23352	0.16306	0.049419643	Intragenic	NM_053471	Sema6b
9	10081770	10081894	1	-0.197506	5	0.0027	0.015	0.23982	0.43732	0.015434547	TSS	NM_001108223	Shd
9	11340784	11340827	1	-0.077395	5	0.0063	0.039	0.049373	0.12677	0.027757612	Intergenic	NA	NA
9	11647970	11648100	1	-0.163404	5	0.0013	0.0093	0.52277	0.68617	0.009111111	Intergenic	NA	NA
9	11648885	11648944	1	-0.077305	5	0.012	0.059	0.19783	0.27513	0.042700096	Intergenic	NA	NA
9	12131093	12131174	1	0.079762	5	0.0011	0.00051	0.95905	0.87929	0.007982301	Intergenic	NA	NA
9	12611040	12611088	1	-0.101722	5	0.00054	0.0018	0.045952	0.14767	0.004710638	Intergenic	NA	NA
9	13126675	13126740	1	0.061842	5	0.01	0.0053	0.88003	0.81819	0.037614679	Intergenic	NA	NA
9	13426449	13426499	1	-0.051226	5	0.0011	0.00052	0.027418	0.078644	0.007982301	Intragenic	NM_001106882	Unc5cl
9	13883344	13883375	1	-0.110264	5	5.60E-05	0.0018	0.053715	0.16398	0.000873742	Intergenic	NA	NA
9	14135174	14135301	1	-0.140119	5	0.0087	0.0018	0.21368	0.3538	0.034705946	Intragenic	NM_001025707	Tfeb
9	14218840	14218985	1	-0.110038	5	0.0068	0.015	0.14783	0.25786	0.029075319	Intergenic	NA	NA
9	14470479	14470505	1	-0.06205	5	0.013	0.038	0.073754	0.1358	0.04506341	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	14470733	14471050	1	-0.117686	8	7.80E-07	0.00066	0.036643	0.15433	3.18E-05	Intergenic	NA	NA
9	14494120	14494161	1	0.137779	7	1.10E-07	1.60E-05	0.85012	0.71234	6.65E-06	Intergenic	NA	NA
9	15064041	15064072	1	-0.110264	5	5.60E-05	0.0018	0.053715	0.16398	0.000873742	Intragenic	NM_013021	Prph2
9	15908237	15908322	1	0.085299	5	0.015	0.088	0.85785	0.77256	0.049419643	Intergenic	NA	NA
9	16120932	16121007	1	0.075924	5	0.0094	0.038	0.086758	0.010833	0.036473186	TSS	NM_001108205	Rsph9
9	16733693	16733859	1	-0.122284	19	5.10E-05	0.007	0.16736	0.26606	0.000818217	TSS	NM_001191804	Tmem151b
9	16733924	16733977	1	-0.181531	5	5.00E-05	0.0018	0.11431	0.29584	0.000803922	TSS	NM_001191804	Tmem151b
9	16733982	16734004	1	-0.235389	5	0.00011	0.0018	0.14583	0.38122	0.001431746	TSS	NM_001191804	Tmem151b
9	16734011	16734064	1	-0.161279	5	0.0027	0.0092	0.11752	0.2788	0.015434547	TSS	NM_001191804	Tmem151b
9	16734457	16734647	0.58	-0.178893	15	2.20E-07	2.10E-06	0.16092	0.33982	1.14E-05	Intragenic	NM_001191804	Tmem151b
9	16986044	16986154	1	-0.137123	5	0.012	0.13	0.17234	0.30946	0.042700096	Intergenic	NA	NA
9	18795236	18795286	1	-0.066486	7	0.0039	0.038	0.02993	0.096416	0.0199875	TSS	NM_001191583	Tdrd6
9	18796480	18796555	1	0.155426	5	0.0038	0.015	0.84381	0.68839	0.019583799	TSS	NM_001191583	Tdrd6
9	19390658	19390708	1	-0.114007	5	1.90E-05	0.0018	0.090993	0.205	0.000376935	Intergenic	NA	NA
9	20030973	20031107	1	0.081486	5	0.015	0.038	0.84184	0.76036	0.049419643	Intergenic	NA	NA
9	25517086	25517160	1	0.072023	5	0.0094	0.024	0.88026	0.80824	0.036473186	Intergenic	NA	NA
9	29291705	29291890	1	-0.110366	11	0.0052	0.035	0.53177	0.64213	0.024631579	Intragenic	NM_001100842	Col9a1
9	29510396	29510477	1	-0.134777	5	0.012	0.088	0.59351	0.72829	0.042700096	Intergenic	NA	NA
9	35916591	35916821	1	-0.189962	5	0.015	0.009	0.2018	0.39176	0.049419643	Intragenic	NM_001108791	Phf3
9	36059294	36059408	1	-0.143798	5	0.0041	0.024	0.18894	0.33274	0.020486121	Intergenic	NA	NA
9	37646528	37646573	1	-0.162463	5	0.00029	0.00014	0.0951	0.25756	0.002984937	Intergenic	NA	NA
9	37774100	37774244	1	-0.113901	5	0.00012	0.0018	0.046417	0.16032	0.00153218	Intergenic	NA	NA
9	37774498	37774599	1	-0.119773	5	0.00072	0.00014	0.095139	0.21491	0.005769381	Intergenic	NA	NA
9	37782264	37782391	1	-0.215417	10	7.60E-07	8.80E-06	0.27009	0.48551	3.12E-05	Intergenic	NA	NA
9	38216473	38216534	1	-0.120913	5	0.01	0.088	0.59657	0.71748	0.037614679	TSS	NM_001024762	Prim2
9	38638840	38638910	1	0.133172	9	0.0058	0.045	0.606	0.47283	0.026163814	Intergenic	NA	NA
9	38871106	38871208	1	-0.10763	5	0.00097	0.0055	0.085043	0.19267	0.007223613	Intergenic	NA	NA
9	40359348	40359397	1	-0.066392	5	0.0027	0.0092	0.89977	0.96616	0.015434547	Intergenic	NA	NA
9	40965510	40965532	1	-0.066854	5	0.0087	0.038	0.071876	0.13873	0.034705946	Intergenic	NA	NA
9	42244319	42244353	1	-0.142396	5	0.00029	0.00098	0.13355	0.27594	0.002984937	Intergenic	NA	NA
9	42281333	42281546	1	-0.11367	6	0.0088	0.011	0.1817	0.29537	0.03504803	Intragenic	NM_001108210	Hs6st1
9	42521889	42521911	1	0.130016	5	0.0049	0.0018	0.14555	0.015538	0.023345384	Intergenic	NA	NA
9	42989956	42990024	1	-0.132081	5	0.00029	0.0018	0.11065	0.24273	0.002984937	Intragenic	NM_001012002	Zap70
9	43000012	43000249	1	-0.12196	9	0.0079	0.11	0.18839	0.31035	0.03243956	Intragenic	NM_001012002	Zap70
9	43519428	43519631	1	0.20994	5	0.01	0.0031	0.55477	0.34483	0.037614679	Intergenic	NA	NA
9	43895914	43896038	1	-0.143093	5	0.0035	0.025	0.074047	0.21714	0.018410549	Intergenic	NA	NA
9	43923240	43923353	1	0.113398	5	0.008	0.024	0.82638	0.71298	0.03243956	Intergenic	NA	NA
9	44568317	44568403	1	0.134072	5	0.0029	0.00096	0.83658	0.70251	0.016164653	Intragenic	NM_001191887	Aff3
9	44900236	44900307	1	-0.154228	5	0.0045	0.024	0.55256	0.70679	0.021964286	TSS	NM_001191887	Aff3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	46224554	46224792	1	-0.253106	9	4.30E-07	4.70E-06	0.10304	0.35615	1.96E-05	Intergenic	NA	NA
9	46466239	46466345	1	-0.105589	5	0.014	0.015	0.19169	0.29728	0.04726441	Intragenic	NM_001106904	Map4k4
9	54531389	54531446	1	-0.055279	5	0.0014	0.0055	0.04938	0.10466	0.00960223	Intergenic	NA	NA
9	62238439	62238505	1	-0.119132	7	0.0011	0.0054	0.41522	0.53436	0.007982301	Intergenic	NA	NA
9	62972363	62972433	1	-0.166233	7	6.00E-05	0.0032	0.16786	0.33409	0.0009225	Intergenic	NA	NA
9	64769360	64769436	1	0.069466	5	0.014	0.015	0.85439	0.78493	0.04726441	Intragenic	NM_019363	Aox1
9	65344494	65344597	1	-0.200018	5	3.90E-05	7.10E-05	0.13881	0.33883	0.000661655	Intragenic	NM_057138:NM_0	Cflar:Cflar
9	65570281	65570368	1	-0.080218	9	6.90E-08	1.60E-05	0.12056	0.20078	4.76E-06	TSS	NM_133560:NM_0	Trak2:Stradb
9	69605903	69606060	1	-0.102415	9	0.015	0.024	0.35681	0.45923	0.049419643	Intergenic	NA	NA
9	69675352	69675518	1	-0.145323	6	0.00011	0.00031	0.081825	0.22715	0.001431746	TSS	NM_001191809	Ino80d
9	69850537	69850577	1	0.31044	5	0.0024	0.025	0.61796	0.30752	0.014124402	Intergenic	NA	NA
9	70719957	70720060	1	-0.193276	5	0.0008	0.0031	0.058447	0.25172	0.006267516	Intergenic	NA	NA
9	71121589	71121946	1	-0.144312	22	2.40E-09	5.90E-06	0.21306	0.35737	2.60E-07	TSS	NM_173838	Fzd5
9	80951602	80951701	1	-0.134333	5	0.01	0.038	0.11976	0.2541	0.037614679	Intergenic	NA	NA
9	81073382	81073680	1	-0.082358	5	0.00036	0.0032	0.023484	0.10584	0.003505013	Intragenic	NM_001191810	Tns1
9	81083102	81083228	1	-0.173902	5	0.0068	0.0054	0.33566	0.50956	0.029075319	Intragenic	NM_001191810	Tns1
9	81980622	81980683	1	-0.114354	5	2.80E-05	3.40E-05	0.01904	0.13339	0.000511485	Intragenic	NM_053384	Ihh
9	82325884	82325908	1	-0.063206	5	0.0041	0.038	0.053617	0.11682	0.020486121	TSS	NM_022531	Des
9	83156796	83157430	1	-0.087178	21	0.013	0.16	0.56547	0.60592	0.04506341	Intergenic	NA	NA
9	86027303	86027448	1	-0.073617	7	0.00018	0.0014	0.75552	0.82914	0.002142581	Intergenic	NA	NA
9	86239533	86239685	1	-0.106171	7	0.011	0.14	0.48108	0.58725	0.040408163	Intergenic	NA	NA
9	93056489	93056599	1	-0.077758	10	0.004	0.016	0.14228	0.22004	0.020485774	TSS	NM_001012134	B3gnt7
9	93273341	93273394	0.25	-0.202823	8	1.20E-08	8.70E-07	0.12671	0.32953	1.11E-06	TSS	NM_021740	Ptma
9	95891102	95891173	1	-0.112284	5	0.0094	0.0093	0.24466	0.35694	0.036473186	Intergenic	NA	NA
9	95971863	95971934	1	-0.118343	5	0.0068	0.0093	0.2386	0.35694	0.029075319	Intragenic	NM_022693	Sh3bp4
9	96330053	96330149	1	-0.106799	7	1.00E-07	4.50E-06	0.01333	0.12013	6.15E-06	Intergenic	NA	NA
9	96605654	96605765	1	-0.093849	5	0.0045	0.059	0.10384	0.19769	0.021964286	Intragenic	NM_001108230	Agap1
9	97500683	97500798	1	-0.130713	5	0.00065	0.00052	0.11364	0.24436	0.005335929	Intergenic	NA	NA
9	98126083	98126353	1	-0.131443	8	0.00065	0.0079	0.12737	0.25882	0.005335929	Intragenic	NM_001007755	Scly
9	99316810	99316835	0.29	-0.257038	9	0.00079	1.00E-06	0.068134	0.32517	0.006267516	TSS	NM_182671:NM_1	Ndufa10l1:Ndu
9	99682366	99682445	1	-0.055652	7	0.0024	0.0054	0.03004	0.085692	0.014124402	TSS	NR_128668	Mir149
9	101894782	101894867	1	0.242469	5	1.10E-06	1.60E-05	0.61707	0.3746	4.02E-05	Intergenic	NA	NA
9	105975295	105975369	1	-0.29863	7	1.30E-06	0.0005	0.42465	0.72329	4.66E-05	Intergenic	NA	NA
9	106497624	106497699	1	-0.10482	7	0.0035	0.00029	0.47192	0.57674	0.018410549	Intergenic	NA	NA
9	109457764	109457806	1	-0.144371	5	0.00054	0.00098	0.80483	0.9492	0.004710638	Intergenic	NA	NA
9	109896188	109896280	1	-0.080869	6	0.0044	0.018	0.082444	0.16331	0.021881402	TSS	NM_053903	Efna5
9	109955715	109955771	1	0.082061	5	0.00021	0.0018	0.97304	0.89097	0.002348182	Intergenic	NA	NA
9	109969871	109969927	1	-0.305919	5	1.10E-06	1.60E-05	0.39174	0.69766	4.02E-05	Intergenic	NA	NA
9	110503675	110503774	1	-0.060316	5	0.014	0.13	0.040452	0.10077	0.04726441	TSS	NM_001108235	Fbxl17

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
9	111689520	111689584	1	-0.13775	5	7.80E-05	0.0018	0.061243	0.19899	0.001113424	Intergenic	NA	NA
9	116324816	116324978	1	0.068885	7	0.00099	0.0053	0.93084	0.86196	0.007357704	Intergenic	NA	NA
9	118362726	118362876	1	-0.094635	5	0.0063	0.024	0.070657	0.16529	0.027757612	Intragenic	NM_022946:NM_0	Dlgap1:Dlgap1
9	118591412	118591574	1	-0.110197	5	0.0074	0.015	0.26751	0.37771	0.030871679	Intragenic	NM_022946:NM_0	Dlgap1:Dlgap1
9	118603829	118604012	1	-0.090638	7	5.60E-05	0.00049	0.095087	0.18573	0.000873742	Intragenic	NM_022946:NM_0	Dlgap1:Dlgap1
X	7844072	7844099	1	-0.166358	5	9.20E-06	0.00014	0.097522	0.26388	0.000206371	Intergenic	NA	NA
X	9422967	9423007	1	0.051143	5	0.0068	0.024	0.94688	0.89574	0.029075319	Intergenic	NA	NA
X	10997238	10997256	1	-0.063604	5	0.002	0.0055	0.071733	0.13534	0.012269327	Intragenic	NM_001100967	Nyx
X	16104565	16104776	1	-0.166479	13	0.01	0.044	0.571	0.73748	0.037614679	Intragenic	NM_019279	Pcsk1n
X	16206372	16206617	1	-0.131412	16	0.014	0.094	0.54093	0.67235	0.04726441	Intragenic	NM_019279	Pcsk1n
X	21307976	21308023	1	-0.178077	5	3.10E-05	0.0018	0.085275	0.26335	0.000549952	Intergenic	NA	NA
X	22418059	22418106	1	-0.181151	5	3.10E-05	0.0018	0.083631	0.26478	0.000549952	Intergenic	NA	NA
X	34801381	34801523	1	-0.074273	5	0.0019	0.0055	0.021378	0.095651	0.011943782	Intragenic	NM_001191733	Nhs
X	35816937	35817054	0.1	-0.119376	11	4.40E-07	3.60E-07	0.092473	0.21185	1.96E-05	Intergenic	NA	NA
X	37907907	37907941	1	-0.061064	5	0.0022	0.009	0.039623	0.10069	0.01321074	Intergenic	NA	NA
X	44166058	44166190	0.077	-0.102542	12	2.60E-10	2.70E-07	0.050438	0.15298	3.92E-08	Intergenic	NA	NA
X	74088921	74088974	1	0.11808	5	0.008	0.015	0.84486	0.72678	0.03243956	Intergenic	NA	NA
X	81277282	81277389	1	-0.168779	5	0.0053	0.015	0.37692	0.5457	0.024662043	Intergenic	NA	NA
X	81281954	81282089	0.016	-0.120159	11	6.00E-09	5.80E-08	0.060385	0.18054	5.83E-07	Intergenic	NA	NA
X	93028059	93028141	1	-0.095703	5	0.00021	0.015	0.76451	0.86022	0.002348182	Intragenic	NM_001271228	Pcdh11x
X	102275076	102275136	1	-0.091835	5	4.40E-05	0.0018	0.77198	0.86382	0.000729708	Intergenic	NA	NA
X	114788914	114788938	1	-0.083242	5	0.014	0.039	0.11963	0.20287	0.04726441	Intragenic	NM_012821:NM_0	Adcy6:Adcy6
X	114960657	114960761	1	-0.09231	5	0.014	0.088	0.11741	0.20972	0.04726441	Intragenic	NM_001108111	Wnt10b
X	115115574	115115726	1	-0.150306	5	0.00065	0.009	0.11443	0.26474	0.005335929	Intergenic	NA	NA
X	115231575	115231685	1	-0.137256	5	0.0013	0.0054	0.13437	0.27163	0.009111111	Intergenic	NA	NA
X	115875230	115875427	1	-0.064634	5	0.00021	0.0018	0.027055	0.09169	0.002348182	TSS	NM_022215	Gpd1
X	115934930	115935595	1	-0.073653	21	0.0034	0.034	0.20404	0.27769	0.018409391	Intragenic	NM_001191615	Lima1
X	116947781	116948327	1	-0.067312	12	0.013	0.11	0.10729	0.1746	0.04506341	Intergenic	NA	NA
X	119281784	119281858	1	-0.099686	7	0.0037	0.027	0.224	0.32369	0.019379702	Intergenic	NA	NA
X	119304759	119304930	0.22	-0.056721	20	7.50E-07	7.70E-07	0.053592	0.11031	3.09E-05	Intergenic	NA	NA
X	119678027	119678198	0.22	-0.056868	20	7.10E-07	7.70E-07	0.053446	0.11031	2.96E-05	Intergenic	NA	NA
X	124228169	124228352	1	-0.130742	9	0.0042	0.034	0.56332	0.69406	0.020943243	Intergenic	NA	NA
X	132371337	132371448	1	0.065851	5	0.0045	0.015	0.91294	0.84708	0.021964286	Intergenic	NA	NA
X	134618232	134618286	1	-0.075023	5	0.0038	0.015	0.038283	0.11331	0.019583799	Intergenic	NA	NA
X	139524113	139524168	1	-0.186689	5	0.00015	0.0053	0.26583	0.45252	0.001835821	Intergenic	NA	NA
X	145891651	145891868	1	0.059869	16	0.0016	0.016	0.10383	0.043963	0.010628263	Intergenic	NA	NA
X	154301610	154301675	1	0.113799	5	0.0094	0.038	0.80185	0.68805	0.036473186	Intergenic	NA	NA

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
Figure2C Blood MCW													
chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	13550441	13550592	1	0.07068	8	0.0014	0.037	0.35392	0.28324	0.018132456	Intergenic	NA	NA
1	13553531	13553597	1	0.091632	5	0.00065	0.00094	0.23777	0.14613	0.010905966	Intergenic	NA	NA
1	13553598	13553975	1	0.063449	34	0.003	0.026	0.22809	0.19335	0.028762987	Intergenic	NA	NA
1	13558916	13558945	1	0.081166	5	0.0032	0.024	0.37659	0.29543	0.029622571	TSS	NR_046238	Rn5-8s
1	13560821	13560890	1	0.074194	12	1.20E-05	0.00046	0.25816	0.18396	0.000656222	TSS	NR_046238	Rn5-8s
1	16847995	16848142	1	0.092685	5	0.00088	0.0093	0.14833	0.055641	0.013258367	Intragenic	NM_001107522	Slc35d3
1	26230305	26230431	1	-0.074618	5	0.0041	0.015	0.89937	0.97398	0.034891354	Intergenic	NA	NA
1	47610306	47610369	1	-0.074168	5	0.00026	0.0018	0.90958	0.98375	0.005687259	Intergenic	NA	NA
1	51547702	51547778	1	0.055608	7	0.00045	8.80E-06	0.1481	0.09249	0.008410443	Intragenic	NM_012756	Igf2r
1	51577260	51577299	1	-0.076022	5	2.80E-05	7.10E-05	0.34316	0.41918	0.001164563	TSS	NM_012756	Igf2r
1	51811825	51811995	1	0.082453	5	0.0027	0.00052	0.15357	0.07112	0.026665886	Intergenic	NA	NA
1	51811998	51812072	1	0.10646	5	0.00072	7.10E-05	0.21788	0.11142	0.011618361	Intergenic	NA	NA
1	57362972	57362993	1	0.107549	5	0.0032	0.0092	0.21391	0.10636	0.029622571	TSS	NM_001107464	Dact2
1	70694351	70694419	1	0.096272	5	0.00044	0.0054	0.13017	0.033897	0.008275924	Intergenic	NA	NA
1	72776396	72776439	1	0.062362	6	0.0065	0.04	0.97064	0.90828	0.048106516	Intragenic	NM_001169143	Zfp444
1	79686886	79686921	1	-0.108877	5	0.00059	0.0032	0.017857	0.12673	0.010070925	TSS	NM_001107479	Npas1
1	79793247	79793275	1	0.083501	5	0.00014	0.00014	0.5341	0.4506	0.003658584	Intragenic	NM_001271132	Arhgap35
1	80058664	80058691	1	0.126175	5	0.0019	0.0018	0.3523	0.22612	0.022002745	Intragenic	NM_001191947	Dact3
1	81681958	81682006	1	0.207497	5	2.80E-05	0.00098	0.54502	0.33752	0.001164563	TSS	NM_001109410	Trappc6a
1	82555000	82555438	1	-0.052505	19	0.0012	0.011	0.79339	0.8459	0.016180822	Intragenic	NM_001014016	Irgc
1	86025578	86025625	1	0.069906	5	0.0053	0.088	0.56203	0.49212	0.041404497	Intragenic	NM_030862	Marcks1
1	89196572	89196604	1	0.287691	6	3.50E-06	4.90E-05	0.68128	0.39359	0.000229678	Intergenic	NA	NA
1	97334327	97334421	1	-0.068928	6	0.0042	0.059	0.8792	0.94813	0.035436	Intergenic	NA	NA
1	99720690	99720711	1	0.055491	5	8.80E-05	0.00028	0.18506	0.12957	0.00259864	Intergenic	NA	NA
1	101395330	101395431	1	0.195048	5	0.00036	0.0091	0.62836	0.43331	0.0073825	Intragenic	NM_031751	Shank1
1	102329320	102329396	1	-0.086266	12	0.00013	0.0038	0.10372	0.18998	0.003521927	Intergenic	NA	NA
1	102861843	102861946	1	0.065401	7	0.00078	0.0013	0.90126	0.83586	0.012383548	Intergenic	NA	NA
1	134622852	134622917	1	0.152518	5	0.0024	0.039	0.74221	0.5897	0.024867368	Intergenic	NA	NA
1	142494506	142494646	1	0.083035	5	0.0049	0.015	0.12038	0.037344	0.038897043	TSS	NM_001107531	Mesp1
1	146957753	146957805	1	-0.182856	5	0.00023	0.0031	0.12661	0.30947	0.005145379	TSS	NM_001013149	Mesdc1
1	147153856	147153917	1	-0.058848	6	0.0011	0.0073	0.043504	0.10235	0.015250235	Intergenic	NA	NA
1	149777279	149777393	1	0.070079	7	0.00018	0.0082	0.087272	0.017192	0.004504576	Intergenic	NA	NA
1	151966704	151966905	1	-0.124709	18	2.30E-07	7.30E-05	0.11245	0.23716	2.95E-05	Intergenic	NA	NA
1	151967568	151967680	0.27	0.056814	19	1.90E-05	6.60E-07	0.23937	0.18256	0.000904952	Intergenic	NA	NA
1	151968209	151968314	1	-0.098869	10	0.0049	0.038	0.29452	0.37169	0.038897043	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	151975018	151975089	1	-0.181542	7	0.00048	0.00049	0.50008	0.68162	0.00874963	Intergenic	NA	NA
1	151976385	151976475	1	0.097036	6	0.0069	0.0071	0.30057	0.20354	0.049818337	Intergenic	NA	NA
1	153406724	153406788	1	0.083639	5	0.0016	0.015	0.10562	0.021981	0.019935865	Intergenic	NA	NA
1	161113830	161113987	1	-0.065222	5	0.00017	0.0055	0.0316	0.096822	0.004327672	Intergenic	NA	NA
1	161204177	161204334	1	-0.068678	5	9.80E-05	0.0018	0.028143	0.096822	0.002837196	Intergenic	NA	NA
1	169351174	169351310	1	-0.074124	11	2.90E-05	0.0026	0.13896	0.21309	0.001189403	Intragenic	NM_001106211	B3gnt6
1	184739799	184739818	1	-0.054374	5	0.0019	0.039	0.042715	0.097089	0.022002745	Intergenic	NA	NA
1	199477347	199477462	1	-0.110174	9	0.0011	0.012	0.41664	0.52682	0.015250235	Intragenic	NM_012713:NM_001172305	Prkcb:Prkcb
1	206989587	206989617	1	-0.069784	5	0.00054	0.00053	0.032698	0.10248	0.009435621	TSS	NM_001011936	Bag3
1	218198821	218198853	1	0.143172	5	0.00044	0.0018	0.35942	0.21625	0.008275924	Intergenic	NA	NA
1	227607017	227607126	7.20E-06	0.085819	23	4.00E-14	1.80E-11	0.38786	0.30204	3.47E-11	Intragenic	NM_001024290	Gal3st3
1	231400181	231400237	1	0.103761	5	0.0016	0.038	0.40026	0.2965	0.019935865	Intragenic	NM_134380	Ust5r
1	232386574	232386751	1	0.053218	10	0.0031	0.016	0.92989	0.87668	0.029622571	Intergenic	NA	NA
1	241849384	241849401	1	0.141726	5	0.00011	0.00014	0.49573	0.35401	0.003123365	TSS	NM_001024292:NM_148892	Nmrk1:Ostf1
1	254335407	254335522	1	0.086738	12	2.00E-05	0.00029	0.23981	0.15307	0.00093746	Intergenic	NA	NA
1	272335520	272335720	1	0.061246	8	0.00018	0.0038	0.09126	0.030014	0.004504576	TSS	NM_001109166	Tlx1
1	284732957	284733096	1	0.240947	9	5.10E-07	0.00021	0.75484	0.5139	5.38E-05	Intragenic	NM_001106201	Dclre1a
1	284919416	284919479	1	0.088407	5	0.0053	0.039	0.11102	0.022611	0.041404497	TSS	NM_012701	Adrb1
10	5916479	5916597	1	-0.124951	5	0.0008	0.00098	0.7204	0.84535	0.012433684	Intragenic	NM_031003	Abat
10	8240171	8240287	1	0.099837	5	0.0017	0.0054	0.28102	0.18118	0.020324291	Intergenic	NA	NA
10	9013783	9013874	1	-0.055371	5	0.002	0.025	0.89832	0.95369	0.022286792	Intergenic	NA	NA
10	12939517	12939555	1	-0.118403	5	0.00019	0.00027	0.10568	0.22408	0.004561545	Intergenic	NA	NA
10	16180922	16180992	1	0.064529	6	0.0039	0.058	0.9798	0.91527	0.033872647	Intergenic	NA	NA
10	16947954	16948132	1	0.097662	28	3.00E-09	2.70E-06	0.59217	0.49451	6.33E-07	Intragenic	NM_001142652	Neurl1b
10	31693055	31693094	1	0.07469	8	4.50E-05	0.0026	0.30274	0.22805	0.001640556	Intergenic	NA	NA
10	45236914	45236977	1	-0.051721	7	1.10E-06	3.70E-06	0.033054	0.084776	9.55E-05	Intergenic	NA	NA
10	54081854	54081975	1	0.078705	13	0.00083	0.0066	0.53447	0.45576	0.012765573	Intergenic	NA	NA
10	62345000	62345061	1	-0.057717	5	0.00088	0.0091	0.042166	0.099883	0.013258367	TSS	NM_001107025	Abhd15
10	62388126	62388328	1	0.076556	18	1.90E-05	8.80E-05	0.91344	0.83689	0.000904952	Intergenic	NA	NA
10	63810684	63810718	1	0.064446	5	0.00048	0.015	0.24819	0.18375	0.00874963	TSS	NM_001007611	Fam101b
10	74844000	74844134	1	0.216707	5	0.0063	0.009	0.46072	0.24401	0.046861209	Intergenic	NA	NA
10	75929951	75930178	1	-0.095404	12	8.30E-05	0.0013	0.29523	0.39063	0.002526794	Intergenic	NA	NA
10	83993545	83993595	1	0.054864	6	0.0016	0.0044	0.28205	0.22718	0.019935865	TSS	NM_001107042	Hoxb3
10	90413664	90413700	1	0.061258	5	0.00044	0.0032	0.9596	0.89834	0.008275924	Intergenic	NA	NA
10	96388239	96388265	1	-0.065236	5	0.002	0.024	0.048669	0.1139	0.022286792	TSS	NM_001105849	Cep112
10	96904174	96904319	1	0.126226	9	5.70E-07	7.80E-05	0.24822	0.122	5.61E-05	Intergenic	NA	NA
10	96950881	96950951	1	0.133723	5	0.00039	0.00051	0.79013	0.65641	0.007729329	Intragenic	NM_024355	Axin2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	97627022	97627101	1	-0.082876	5	0.00054	0.00027	0.055752	0.13863	0.009435621	Intergenic	NA	NA
10	101203520	101203567	1	-0.062564	5	0.0027	0.025	0.090555	0.15312	0.026665886	Intergenic	NA	NA
10	103879382	103879452	1	-0.074404	9	0.0056	0.018	0.10054	0.17495	0.043403675	Intergenic	NA	NA
10	107391633	107391818	1	0.057631	12	0.0025	0.0095	0.96	0.90236	0.025812937	Intergenic	NA	NA
10	107703087	107703166	1	0.161201	5	0.00059	0.0032	0.59636	0.43516	0.010070925	Intragenic	NM_001134688	Ccdc40
10	110810057	110810125	1	-0.198118	5	6.20E-05	0.00052	0.64541	0.84353	0.002057146	Intergenic	NA	NA
10	111446173	111446241	1	-0.198118	5	6.20E-05	0.00052	0.64541	0.84353	0.002057146	Intragenic	NM_001099458	Vom2r4
10	111452847	111452915	1	-0.198118	5	6.20E-05	0.00052	0.64541	0.84353	0.002057146	Intragenic	NM_001099458	Vom2r4
10	111716358	111716426	1	-0.198118	5	6.20E-05	0.00052	0.64541	0.84353	0.002057146	Intragenic	NM_001099458	Vom2r4
11	2145212	2145336	0.43	-0.062256	14	1.90E-08	1.10E-06	0.19202	0.25428	3.51E-06	Intergenic	NA	NA
11	2795617	2795788	1	-0.128301	8	0.0044	0.026	0.28724	0.41555	0.036708564	Intergenic	NA	NA
11	19604076	19604119	1	0.074703	5	2.20E-05	3.40E-05	0.20343	0.12873	0.000984333	Intergenic	NA	NA
11	24567562	24567618	1	0.103746	5	0.0017	0.024	0.38581	0.28206	0.020324291	Intergenic	NA	NA
11	31871224	31871293	1	0.106071	5	0.002	0.003	0.6261	0.52003	0.022286792	Intergenic	NA	NA
11	33326532	33326612	1	-0.074599	5	0.0032	0.015	0.86411	0.93871	0.029622571	Intergenic	NA	NA
11	46563093	46563210	1	-0.05224	5	0.0035	0.038	0.91525	0.96749	0.031319697	Intergenic	NA	NA
11	65253860	65253945	1	-0.052127	5	0.00072	0.0031	0.076715	0.12884	0.011618361	Intergenic	NA	NA
11	72880448	72880569	0.0091	-0.092505	12	1.40E-06	2.20E-08	0.40315	0.49565	0.000114839	Intragenic	NM_032062	Kalrn
11	78188572	78188605	1	0.079514	5	0.00097	0.024	0.16234	0.082821	0.01432205	TSS	NM_001105871	Hrasls
11	81727109	81727229	1	0.158972	5	0.0014	0.003	0.43434	0.27537	0.018132456	Intergenic	NA	NA
11	90303335	90303378	1	-0.089158	7	0.0069	0.018	0.27305	0.3622	0.049818337	Intergenic	NA	NA
12	922679	922723	1	0.064947	5	0.0019	0.015	0.82236	0.75741	0.022002745	Intergenic	NA	NA
12	6055942	6055979	1	0.088586	9	7.80E-08	4.20E-05	0.27705	0.18846	1.15E-05	Intergenic	NA	NA
12	9458556	9458677	1	-0.051898	5	0.00014	0.0018	0.93297	0.98486	0.003658584	Intergenic	NA	NA
12	11754826	11754910	1	0.209869	5	1.70E-06	7.20E-06	0.59612	0.38625	0.000128721	Intergenic	NA	NA
12	11971724	11971825	1	-0.143411	5	1.70E-05	0.00027	0.78954	0.93295	0.000850864	Intragenic	NM_001113570	Gtf3a
12	15952144	15952339	1	0.115206	8	0.00075	0.0026	0.86089	0.74568	0.012036685	TSS	NM_001105911	Slc29a4
12	18742580	18742682	1	-0.113566	7	0.0056	0.04	0.47997	0.59354	0.043403675	Intragenic	NM_001105913	Elfn1
12	19201368	19201437	1	0.06559	5	0.0032	0.0054	0.1472	0.081611	0.029622571	Intragenic	NM_001047923	LOC498152
12	27512985	27513105	1	0.093344	12	0.001	0.00093	0.41439	0.32104	0.014404878	Intragenic	NM_053734	Ncf1
12	33553697	33553740	1	-0.100078	5	0.0013	0.0018	0.63455	0.73463	0.017137946	TSS	NM_001108853	Piwil1
12	33768402	33768418	1	-0.062412	5	0.00065	0.0055	0.058875	0.12129	0.010905966	Intergenic	NA	NA
12	38923694	38923778	1	0.103935	8	0.00079	0.0058	0.18649	0.082556	0.012433684	TSS	NM_001109547	Fam101a
12	39142699	39142819	1	-0.064649	7	0.0065	0.076	0.32121	0.38586	0.048106516	Intergenic	NA	NA
12	43505814	43505980	1	0.118068	9	0.0035	0.082	0.48755	0.36948	0.031319697	Intergenic	NA	NA
12	43706219	43706279	1	-0.106791	7	0.00031	0.0022	0.81076	0.91755	0.006585827	Intergenic	NA	NA
12	43724151	43724243	1	0.070107	5	0.0024	0.0091	0.18468	0.11457	0.024867368	Intergenic	NA	NA
12	45073549	45073674	1	0.064131	5	0.0035	0.0092	0.97213	0.90799	0.031319697	Intergenic	NA	NA
12	45115604	45115729	1	0.064131	5	0.0035	0.0092	0.97213	0.90799	0.031319697	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
12	45705149	45705237	1	-0.084713	5	0.0049	0.0055	0.84764	0.93235	0.038897043	Intergenic	NA	NA
12	48669948	48670022	1	0.09282	10	0.0017	0.03	0.71535	0.62253	0.020324291	Intragenic	NM_001107147	Sirt4
12	50085024	50085085	1	-0.121295	5	0.0045	0.0055	0.23188	0.35318	0.036708564	Intragenic	NM_134404	Svop
12	50129492	50129527	1	0.193714	5	0.0022	0.0018	0.74175	0.54803	0.02345343	Intragenic	NM_134404	Svop
12	50385469	50385484	1	0.11684	5	0.0019	0.0054	0.87543	0.75859	0.022002745	Intragenic	NM_001107155	Tmem119
12	52989819	52989838	1	0.136433	5	5.00E-05	0.00052	0.77626	0.63983	0.001778916	Intragenic	NM_001191928	Mn1
12	52991048	52991173	1	-0.153792	7	0.0027	0.036	0.28378	0.43757	0.026665886	TSS	NM_001191928	Mn1
13	41485089	41485218	1	-0.055764	11	7.40E-05	0.015	0.045775	0.10154	0.002349699	TSS	NM_001105949	C1ql2
13	55055570	55055595	1	0.079247	5	0.0038	0.0054	0.15263	0.073382	0.033101475	Intergenic	NA	NA
13	55493412	55493463	1	-0.06251	9	0.0007	0.0017	0.0926	0.15511	0.011618361	Intragenic	NM_001105952	Sox13
13	59205596	59205663	1	0.064515	5	0.0022	0.015	0.21006	0.14554	0.02345343	Intergenic	NA	NA
13	85507423	85507479	0.046	0.068786	5	4.20E-07	1.10E-07	0.41971	0.35093	4.59E-05	TSS	NR_111961	Prrc2c
13	90162139	90162162	1	0.138418	5	0.0016	0.0054	0.46208	0.32366	0.019935865	Intragenic	NM_001009631:N M_001009631	Tmco1:Tmco1
13	90267190	90267213	1	0.138418	5	0.0016	0.0054	0.46208	0.32366	0.019935865	Intergenic	NA	NA
13	100007523	100007648	1	-0.06681	5	0.0035	0.0092	0.87029	0.9371	0.031319697	Intergenic	NA	NA
13	104173490	104173621	1	-0.15605	5	0.0049	0.0052	0.25933	0.41538	0.038897043	TSS	NM_001007556	Lefty2
13	115071854	115071886	1	0.187467	5	0.00026	0.0018	0.4949	0.30743	0.005687259	TSS	NM_053691	Nek2
13	115306385	115306416	1	0.091404	7	0.00027	0.0005	0.52321	0.43181	0.005819781	Intergenic	NA	NA
13	118702292	118702323	1	0.077383	5	0.0032	0.059	0.75507	0.67769	0.029622571	Intergenic	NA	NA
14	129753	129821	1	-0.219548	5	9.20E-06	0.00027	0.62861	0.84816	0.000532698	Intergenic	NA	NA
14	12313741	12313885	1	0.073375	7	0.00062	0.00011	0.8902	0.81682	0.010522184	Intragenic	NM_017105	Bmp3
14	18965526	18965645	1	0.128139	7	0.00038	0.00027	0.41626	0.28813	0.007729329	Intergenic	NA	NA
14	44617237	44617350	1	-0.095462	12	0.00077	0.00029	0.80948	0.90495	0.012290865	Intergenic	NA	NA
14	45874256	45874301	1	-0.135248	5	0.0029	0.00052	0.81561	0.95086	0.028170066	Intragenic	NM_001017500	LOC498368
14	46699332	46699488	1	0.062934	18	0.0011	0.039	0.17848	0.1432	0.015250235	Intergenic	NA	NA
14	46700677	46700694	1	0.058974	5	0.0058	0.0031	0.32126	0.26229	0.043692347	Intergenic	NA	NA
14	46742270	46742421	1	0.071068	8	0.0012	0.037	0.35376	0.28269	0.016180822	Intergenic	NA	NA
14	46808715	46808866	1	0.071022	8	0.0013	0.051	0.354	0.28298	0.017137946	Intergenic	NA	NA
14	46813186	46813290	1	0.074476	11	6.00E-05	0.015	0.24387	0.1694	0.002057146	TSS	NM_001025002	LOC310926
14	46816394	46816880	1	0.066982	74	0.0053	0.015	0.26407	0.22168	0.041404497	TSS	NM_001025002	LOC310926
14	46823474	46823503	1	0.081166	5	0.0032	0.024	0.37659	0.29543	0.029622571	TSS	NR_046238	Rn5-8s
14	46825379	46825448	1	0.074194	12	1.20E-05	0.00046	0.25816	0.18396	0.000656222	TSS	NR_046238	Rn5-8s
14	46830105	46830128	1	0.053203	5	0.00097	0.0054	0.19202	0.13882	0.01432205	TSS	NM_147136	LOC257642
14	46831386	46831403	1	0.058937	5	0.0058	0.0031	0.32122	0.26228	0.043692347	TSS	NM_147136	LOC257642
14	46833488	46833505	1	0.058974	5	0.0058	0.0031	0.32126	0.26229	0.043692347	Intragenic	NM_001025002:N R_046239	LOC310926:R n45s
14	46864072	46864102	1	0.083771	5	3.10E-05	0.00052	0.25257	0.1688	0.001237068	TSS	NR_046238	Rn5-8s
14	47849967	47850186	1	-0.065352	24	3.70E-06	0.00072	0.076946	0.1423	0.000237524	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	61072275	61072382	1	-0.204224	9	1.20E-05	0.00068	0.60792	0.81215	0.000656222	Intragenic	NM_012880	Sod3
14	84928356	84928501	1	-0.108656	13	3.80E-05	0.00094	0.30868	0.41733	0.0014765	Intragenic	NM_001109447	Gal3st1
14	86391902	86392131	1	0.162402	8	0.0057	0.018	0.73004	0.56764	0.043692347	Intergenic	NA	NA
14	91914066	91914095	1	0.116438	7	0.00027	0.0014	0.46983	0.35339	0.005819781	TSS	NM_001109093	Grb10
14	103943645	103943691	1	0.175659	7	0.0022	5.50E-05	0.55087	0.37521	0.02345343	Intragenic	NM_001047094	Spred2
14	107824620	107824758	1	0.097757	11	5.40E-06	5.10E-05	0.49203	0.39427	0.000332213	TSS	NM_001017504	Zrsr1
15	115307	115384	1	0.062114	5	1.90E-05	0.038	0.065447	0.00333333	0.000904952	Intergenic	NA	NA
15	2361884	2361975	1	-0.08273	7	0.0035	0.0083	0.31872	0.40145	0.031319697	Intergenic	NA	NA
15	9215402	9215453	1	-0.055004	10	0.0002	0.00059	0.093651	0.14865	0.0047248	Intergenic	NA	NA
15	34359901	34360039	1	0.065636	9	0.001	0.013	0.81788	0.75224	0.014404878	Intergenic	NA	NA
15	36639500	36639622	1	-0.063122	5	0.00054	0.0018	0.061787	0.12491	0.009435621	Intergenic	NA	NA
15	41226254	41226329	1	-0.111395	5	8.10E-06	1.60E-05	0.6636	0.77499	0.000488149	Intragenic	NM_001004099	Gjb2
15	41652409	41652553	0.0033	0.145998	16	7.40E-08	8.20E-09	0.75839	0.61239	1.15E-05	Intergenic	NA	NA
15	45820830	45820894	1	-0.154744	5	0.0063	0.13	0.63806	0.7928	0.046861209	Intergenic	NA	NA
15	47578792	47578924	1	-0.064509	7	0.0032	0.012	0.072607	0.13712	0.029622571	Intragenic	NM_001108383	Ebf2
15	61598803	61598847	0.0063	-0.072705	7	1.50E-09	1.50E-08	0.37944	0.45214	3.69E-07	TSS	NM_053867	Tpt1
16	19775995	19776138	1	0.092356	21	0.0056	0.00027	0.5669	0.47454	0.043403675	Intragenic	NM_020086	Plvap
16	20444416	20444439	1	-0.063812	7	0.0021	0.0029	0.86555	0.92936	0.02305316	Intragenic	NM_001014236	Ssbp4
16	20937536	20937558	1	0.066085	5	0.0022	0.0055	0.076348	0.010263	0.02345343	TSS	NM_001108398	Hapln4
16	60662261	60662376	1	-0.099684	8	0.0018	0.026	0.29942	0.3991	0.021346988	Intragenic	NM_001106084	Tnks
16	66680449	66680469	1	0.05795	5	0.0013	0.024	0.11328	0.055325	0.017137946	TSS	NM_001107319	Unc5d
16	69635363	69635431	1	0.096272	5	0.00044	0.0054	0.13017	0.033897	0.008275924	Intergenic	NA	NA
16	73294822	73294949	1	0.063818	8	0.0012	0.00032	0.89058	0.82676	0.016180822	Intergenic	NA	NA
16	73686922	73687034	1	-0.066339	5	0.00039	0.0018	0.89488	0.96122	0.007729329	Intergenic	NA	NA
16	81964778	81965036	1	-0.054173	5	0.0045	0.015	0.019004	0.073177	0.036708564	Intergenic	NA	NA
16	90047758	90047811	1	-0.081523	5	0.0022	0.025	0.18652	0.26805	0.02345343	Intergenic	NA	NA
17	1840822	1840909	1	0.112891	5	0.0068	0.015	0.43323	0.32034	0.049459113	Intergenic	NA	NA
17	7955118	7955248	1	0.10308	8	0.0048	0.025	0.81747	0.71438	0.038897043	Intergenic	NA	NA
17	13834289	13834402	1	0.097598	5	0.0011	0.015	0.9135	0.8159	0.015250235	Intergenic	NA	NA
17	19877298	19877383	1	-0.07698	7	0.0069	0.019	0.22247	0.29945	0.049818337	TSS	NM_199236	Nhlrc1
17	23056493	23056613	1	0.085617	5	0.0029	0.015	0.97037	0.88475	0.028170066	Intergenic	NA	NA
17	28774780	28774900	1	-0.078495	5	0.0063	0.015	0.066983	0.14548	0.046861209	Intergenic	NA	NA
17	45850278	45850332	1	0.056033	8	0.001	0.0086	0.80055	0.74451	0.014404878	Intergenic	NA	NA
17	57882398	57882509	1	0.193194	5	0.00088	0.015	0.51553	0.32234	0.013258367	Intergenic	NA	NA
17	59052983	59053116	1	0.077068	18	0.00039	0.012	0.50126	0.42419	0.007729329	Intergenic	NA	NA
17	68942346	68942775	1	-0.050244	32	0.0011	0.015	0.19235	0.24259	0.015250235	Intergenic	NA	NA
17	87550514	87550678	1	-0.088704	7	0.0012	0.0083	0.71537	0.80407	0.016180822	Intergenic	NA	NA
18	2441206	2441270	1	0.150709	5	0.0016	0.0031	0.60601	0.4553	0.019935865	Intragenic	NM_019185	Gata6
18	29702298	29702402	1	-0.130577	5	0.00054	0.015	0.10712	0.2377	0.009435621	TSS	NM_199508	Pcdha9

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
18	53109424	53109545	1	0.163247	5	0.0041	0.0018	0.74232	0.57908	0.034891354	Intergenic	NA	NA
18	56244679	56244749	1	0.083985	7	0.002	0.027	0.81365	0.72966	0.022286792	Intragenic	NM_053789	Il17b
18	73968445	73968611	1	0.054113	7	0.0044	0.004	0.83823	0.78411	0.036708564	Intergenic	NA	NA
18	76682500	76682633	1	-0.070151	7	0.0024	0.0083	0.85935	0.9295	0.024867368	TSS	NM_001108892	Sall3
19	5824926	5825077	1	0.070844	8	0.0013	0.037	0.35392	0.28308	0.017137946	Intergenic	NA	NA
19	9908245	9908329	1	-0.085724	5	0.0016	0.0031	0.25852	0.34424	0.019935865	Intergenic	NA	NA
19	10180130	10180265	1	-0.144418	5	0.0049	0.015	0.68238	0.8268	0.038897043	Intragenic	NM_031809	Cngb1
19	28554111	28554283	1	-0.07756	10	0.0015	0.012	0.13235	0.20991	0.019342795	Intergenic	NA	NA
19	30435664	30435736	1	-0.121418	15	0.0035	0.025	0.31474	0.43615	0.031319697	Intragenic	NM_001024999	Snx20
19	35773774	35773864	1	0.114041	8	5.00E-05	0.00061	0.86745	0.75341	0.001778916	TSS	NM_053341	Gipc1
19	37102656	37102676	1	0.074602	5	8.80E-05	0.00098	0.096518	0.021916	0.00259864	Intragenic	NM_001108895	Best2
19	44895375	44895430	1	0.107884	5	2.20E-06	3.40E-05	0.69659	0.5887	0.000154681	Intergenic	NA	NA
19	51965879	51965976	1	-0.155724	5	0.0027	0.015	0.52145	0.67718	0.026665886	Intergenic	NA	NA
19	52495045	52495090	1	0.065069	5	1.50E-05	0.00053	0.73201	0.66694	0.000763707	Intergenic	NA	NA
19	59968803	59968890	1	-0.150424	5	0.0058	0.088	0.24662	0.39704	0.043692347	Intergenic	NA	NA
19	60273825	60273949	0.00024	0.059134	18	5.90E-13	6.00E-10	0.28477	0.22563	2.90E-10	TSS	NM_001191786	Atmin
19	63028469	63028522	1	0.096579	5	0.0045	0.038	0.86928	0.7727	0.036708564	Intragenic	NM_001107435	Kcng4
19	63824001	63824199	1	-0.180352	7	0.00021	0.00073	0.45522	0.63558	0.004882913	Intergenic	NA	NA
19	65192980	65193009	1	0.054811	5	0.00029	0.015	0.064697	0.0098856	0.00620558	Intergenic	NA	NA
19	65865012	65865079	1	0.085212	10	6.20E-07	6.40E-05	0.65354	0.56833	5.91E-05	Intragenic	NM_001242627	Zfpm1
19	66274116	66274201	1	0.063996	5	0.0027	0.00053	0.98003	0.91603	0.026665886	Intergenic	NA	NA
19	66582231	66582300	1	0.05729	5	0.0049	0.0091	0.96235	0.90506	0.038897043	Intergenic	NA	NA
19	67960730	67960906	1	0.085322	5	0.0038	0.0092	0.96841	0.88309	0.033101475	Intergenic	NA	NA
19	68570629	68570737	1	-0.110108	8	0.0042	0.07	0.6798	0.78991	0.035436	Intragenic	NM_175596	Disc1
19	68763307	68763513	1	-0.060918	11	0.004	0.011	0.7562	0.81711	0.034639296	Intragenic	NM_175596	Disc1
2	118255	118327	0.009	0.107462	12	5.40E-12	2.20E-08	0.168	0.060537	2.28E-09	Intergenic	NA	NA
2	43695461	43695655	1	0.17265	5	0.0058	0.059	0.54298	0.37033	0.043692347	Intergenic	NA	NA
2	48971426	48971502	1	0.090701	7	0.0021	0.018	0.53348	0.44278	0.02305316	Intergenic	NA	NA
2	141939298	141939483	1	-0.070157	6	0.003	0.0045	0.89551	0.96567	0.028762987	Intergenic	NA	NA
2	142510127	142510211	1	0.109545	5	0.0027	0.015	0.27875	0.16921	0.026665886	Intragenic	NM_001047885	Arse
2	145134748	145134817	1	0.067695	7	0.00088	0.0035	0.7232	0.65551	0.013258367	Intergenic	NA	NA
2	148414965	148415078	1	-0.084778	7	0.0022	0.0051	0.45964	0.54442	0.02345343	Intergenic	NA	NA
2	148415727	148415766	1	-0.083885	5	0.00048	0.0054	0.16154	0.24542	0.00874963	Intergenic	NA	NA
2	159920570	159920769	1	0.148847	8	0.0002	0.017	0.82861	0.67976	0.0047248	Intragenic	NM_001109556	Mgarp
2	180912484	180912573	1	-0.10658	9	1.70E-06	3.20E-06	0.85417	0.96075	0.000128721	Intergenic	NA	NA
2	180916184	180916303	0.53	-0.174832	13	3.40E-09	1.30E-06	0.34383	0.51866	6.69E-07	Intergenic	NA	NA
2	182662087	182662237	1	-0.053097	5	0.00039	0.0032	0.91753	0.97063	0.007729329	Intergenic	NA	NA
2	206705346	206705367	1	0.052133	5	0.0068	0.015	0.15445	0.10231	0.049459113	TSS	NM_001007741:NM_001014173	Isg20l2:Rrnad1

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
2	215839196	215839209	1	0.098791	5	0.0045	0.0018	0.61436	0.51557	0.036708564	Intragenic	NM_001024302:NM_017308	Lysmd1:Sema6c
2	215840379	215840537	1	-0.067557	5	0.0024	0.0055	0.021478	0.089035	0.024867368	Intragenic	NM_001024302:NM_017308	Lysmd1:Sema6c
2	242812692	242812822	1	0.116259	6	0.002	0.0042	0.74078	0.62452	0.022286792	Intergenic	NA	NA
2	246771807	246771855	1	-0.051526	5	0.0049	0.038	0.041212	0.092739	0.038897043	TSS	NM_001191963	Synpo2
2	272545573	272545691	1	-0.05776	5	0.0068	0.039	0.87161	0.92937	0.049459113	Intergenic	NA	NA
2	278040554	278040735	1	-0.071644	11	0.0027	0.014	0.72204	0.79368	0.026665886	Intergenic	NA	NA
2	279312106	279312191	1	0.072789	5	0.0038	0.015	0.91041	0.83762	0.033101475	Intergenic	NA	NA
20	55852	56022	1	-0.11965	8	0.00091	0.018	0.18204	0.30169	0.013640761	Intergenic	NA	NA
20	4021442	4021589	1	0.0957	18	0.00098	0.00066	0.78905	0.69335	0.014397711	Intragenic	NM_031028	Gabbr1
20	6690565	6690637	1	0.183595	7	0.0037	0.018	0.678	0.4944	0.033009366	TSS	NM_031522	Neu1
20	6897355	6897451	1	-0.085244	7	9.60E-05	0.0008	0.05826	0.1435	0.002806812	TSS	NM_133300	Ddx39b
20	9426826	9426952	1	-0.098014	10	0.00012	0.0001	0.67218	0.77019	0.003343019	Intergenic	NA	NA
20	10851738	10851808	1	0.227431	5	0.00044	0.00097	0.57289	0.34546	0.008275924	Intergenic	NA	NA
20	20547188	20547233	1	0.065069	5	1.50E-05	0.00053	0.73201	0.66694	0.000763707	Intergenic	NA	NA
20	21548491	21548676	1	-0.137261	8	2.20E-07	9.60E-06	0.063977	0.20124	2.95E-05	Intergenic	NA	NA
20	25185930	25186036	1	-0.067617	7	0.0012	0.0035	0.85437	0.92199	0.016180822	Intergenic	NA	NA
20	47778406	47778475	1	-0.076507	5	0.0068	0.015	0.23544	0.31195	0.049459113	Intergenic	NA	NA
20	48516690	48516812	1	-0.131713	9	0.0023	0.0027	0.42051	0.55222	0.024431295	Intergenic	NA	NA
20	51157822	51157975	1	-0.068349	8	1.80E-06	9.60E-06	0.011448	0.079797	0.000132885	Intergenic	NA	NA
3	493393	493422	1	0.067256	5	0.0022	0.025	0.11691	0.049649	0.02345343	Intergenic	NA	NA
3	10215450	10215489	1	0.07469	8	4.50E-05	0.0026	0.30274	0.22805	0.001640556	Intergenic	NA	NA
3	10814087	10814126	1	0.07469	8	4.50E-05	0.0026	0.30274	0.22805	0.001640556	TSS	NM_001015014	Surf6
3	13091219	13091277	1	-0.148633	5	0.0041	0.038	0.37839	0.52702	0.034891354	Intragenic	NM_001107825	Ntng2
3	38799102	38799118	1	-0.083597	5	0.0038	0.059	0.064731	0.14833	0.033101475	TSS	NM_001108581	Epc2
3	65897941	65898002	1	0.106705	5	0.0045	0.039	0.87342	0.76671	0.036708564	Intergenic	NA	NA
3	100812163	100812254	1	-0.085958	5	0.0014	0.0055	0.7944	0.88036	0.018132456	Intergenic	NA	NA
3	101763967	101764055	1	-0.078078	5	0.00059	0.0092	0.030489	0.10857	0.010070925	Intragenic	NM_031534	Wt1
3	118959555	118959610	1	0.086573	5	0.0027	0.039	0.22113	0.13456	0.026665886	Intergenic	NA	NA
3	125460702	125460772	1	-0.054476	5	0.0016	0.0054	0.93741	0.99188	0.019935865	Intergenic	NA	NA
3	128441935	128441984	1	0.089438	7	0.0024	0.011	0.15574	0.066303	0.024867368	Intergenic	NA	NA
3	129677796	129677907	1	0.156386	9	0.0019	0.025	0.6783	0.52191	0.022002745	TSS	NM_172022	Lzts3
3	146387698	146387862	1	-0.119373	8	0.0042	0.018	0.38839	0.50776	0.035436	Intragenic	NM_001107786	Rin2
3	146483453	146483561	1	-0.094286	10	0.00048	0.071	0.30603	0.40031	0.00874963	Intragenic	NM_001107786	Rin2
3	150210272	150210346	1	-0.127541	7	0.0021	0.0077	0.63827	0.76581	0.02305316	Intergenic	NA	NA
3	156559417	156559437	1	0.062519	5	0.0017	0.00014	0.42508	0.36256	0.020324291	Intergenic	NA	NA

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	161555610	161555779	1	0.15732	14	1.10E-06	0.00031	0.49465	0.33733	9.55E-05	TSS	NM_001270867:NM_053601:NM_181687:NR_073089:NM_133582	Nnat:Nnat:Nnat:Nnat:Blcap
3	162794101	162794176	1	0.124068	5	0.0049	0.058	0.6764	0.55233	0.038897043	Intergenic	NA	NA
3	165771466	165771558	1	-0.149445	5	0.0029	0.038	0.20312	0.35256	0.028170066	Intragenic	NM_199392	Tox2
3	168471953	168472010	1	0.132735	5	0.0024	0.015	0.56913	0.4364	0.024867368	Intergenic	NA	NA
3	169294924	169294978	1	0.156668	5	0.0038	0.014	0.38049	0.22382	0.033101475	Intergenic	NA	NA
3	171161135	171161163	1	0.064614	5	0.00044	0.015	0.84967	0.78506	0.008275924	Intragenic	NM_001106545	Kcng1
3	171755775	171755806	1	-0.085628	5	0.0027	0.038	0.25568	0.34131	0.026665886	Intergenic	NA	NA
3	172804983	172805104	1	0.059548	9	0.001	6.40E-05	0.9162	0.85665	0.014404878	Intergenic	NA	NA
3	173704389	173704597	1	-0.062229	6	0.0018	0.0045	0.021745	0.083973	0.021346988	Intergenic	NA	NA
3	175094120	175094174	1	-0.065664	5	0.0032	0.024	0.90665	0.97231	0.029622571	Intergenic	NA	NA
3	176001994	176002092	1	0.075633	5	0.00014	0.00014	0.97029	0.89466	0.003658584	Intergenic	NA	NA
3	178426623	178426771	0.038	0.132944	17	2.60E-11	9.20E-08	0.4597	0.32675	9.60E-09	TSS	NM_001159656:NM_001159653	Gnas:Gnas
3	178438693	178438737	1	-0.122136	5	2.20E-05	7.10E-05	0.49554	0.61768	0.000984333	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178440528	178440694	1.10E-05	-0.215288	21	1.10E-10	2.70E-11	0.2278	0.44309	3.61E-08	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178470665	178470749	1	0.1337	8	8.30E-05	5.20E-05	0.48626	0.35256	0.002526794	Intragenic	NM_001159656:NM_001159653:NM_001024823:NM_021845	Gnas:Gnas:Gnas:Gnas
3	178472211	178472309	1	-0.112003	15	9.10E-10	1.10E-05	0.12717	0.23918	2.44E-07	TSS	NM_019132	Gnas
3	183138018	183138050	1	-0.159673	5	0.0017	0.039	0.28831	0.44798	0.020324291	TSS	NM_001109564	Ppp1r3d
3	183696760	183696916	1	0.084186	11	0.00023	0.00088	0.54394	0.45976	0.005145379	Intergenic	NA	NA
4	711436	711472	1	-0.071701	5	0.00054	0.00098	0.04273	0.11443	0.009435621	Intragenic	NM_017221	Shh
4	16105165	16105261	1	0.053026	12	3.60E-05	0.00066	0.076131	0.023105	0.00141744	TSS	NM_001110848:NM_001110847:NM_012919	Cacna2d1:Cacna2d1:Cacna2d1
4	20036831	20037030	1	0.138961	9	0.0017	0.025	0.46721	0.32825	0.020324291	Intergenic	NA	NA
4	42281276	42281297	1	-0.061609	5	0.0045	0.059	0.038522	0.10013	0.036708564	TSS	NM_031506	Cftr
4	51126221	51126347	1	-0.105664	5	0.0035	0.0054	0.84834	0.954	0.031319697	Intergenic	NA	NA
4	66148309	66148335	1	0.053821	5	6.20E-05	3.40E-05	0.97404	0.92022	0.002057146	Intragenic	NM_001107853	Luc7l2
4	66867542	66867562	1	0.062519	5	0.0017	0.00014	0.42508	0.36256	0.020324291	TSS	NM_001276456	Chmp4bl1
4	146804431	146804517	1	0.070494	10	0.0004	0.0006	0.49788	0.42739	0.007874667	Intergenic	NA	NA
4	146808464	146808559	1	-0.121898	5	0.00032	0.0017	0.24646	0.36836	0.006701844	Intergenic	NA	NA
4	146839209	146839259	1	0.061449	5	0.002	0.0018	0.49844	0.43699	0.022286792	Intragenic	NR_132648	Hoxaas3

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
4	146839473	146839593	7.80E-09	0.146514	17	4.40E-14	1.90E-14	0.35434	0.20783	3.47E-11	Intragenic	NR_132648	Hoxaas3
4	146925004	146925054	1	0.061449	5	0.002	0.0018	0.49844	0.43699	0.022286792	Intragenic	NR_132648	Hoxaas3
4	146925268	146925388	7.80E-09	0.146514	17	4.40E-14	1.90E-14	0.35434	0.20783	3.47E-11	Intragenic	NR_132648	Hoxaas3
4	162294486	162294534	1	0.088627	5	0.0038	0.024	0.8222	0.73357	0.033101475	Intergenic	NA	NA
4	180894263	180894458	1	-0.069706	5	0.0041	0.009	0.68858	0.75829	0.034891354	Intergenic	NA	NA
4	182119619	182119676	1	0.133983	5	1.70E-06	1.60E-05	0.29109	0.15711	0.000128721	Intergenic	NA	NA
4	196200558	196200658	0.11	0.110379	7	7.50E-07	2.60E-07	0.37056	0.26018	6.92E-05	Intergenic	NA	NA
4	197362206	197362302	1	0.138623	5	7.00E-05	0.0018	0.93709	0.79847	0.002296778	Intergenic	NA	NA
4	197362560	197362605	1	0.062872	5	3.90E-05	0.00098	0.72982	0.66695	0.001495675	Intergenic	NA	NA
4	198429312	198429359	1	0.084233	5	0.00015	7.00E-05	0.11442	0.030185	0.003885526	TSS	NM_001271251	Pdzrn3
4	210737336	210737396	1	-0.060845	5	0.0017	0.00052	2.00E-07	0.060845	0.020324291	Intragenic	NM_019159	Syn2
4	219073749	219073822	0.5	0.107384	7	2.20E-05	1.20E-06	0.15284	0.045455	0.000984333	TSS	NM_001271276	Fbxl14
4	219699738	219699842	1	0.127978	5	5.60E-07	1.60E-05	0.90769	0.77971	5.61E-05	Intergenic	NA	NA
4	221005937	221006103	1	0.129835	5	0.0053	0.0018	0.16699	0.037154	0.041404497	Intergenic	NA	NA
4	245332300	245332412	1	0.167511	5	0.0011	0.00052	0.72568	0.55816	0.015250235	Intergenic	NA	NA
4	245395612	245395724	1	0.159994	5	0.0038	0.0018	0.72612	0.56613	0.033101475	Intergenic	NA	NA
4	246879768	246879851	1	0.074172	7	0.0035	0.0013	0.91637	0.8422	0.031319697	TSS	NM_001109612	Rps4y2
5	33530215	33530392	0.04	0.118517	14	2.50E-10	9.80E-08	0.17119	0.052677	7.38E-08	Intergenic	NA	NA
5	52064656	52064783	1	0.155539	10	4.00E-05	0.002	0.66034	0.5048	0.001514359	Intergenic	NA	NA
5	76666440	76666620	1	-0.056187	5	0.0012	0.0032	0.16309	0.21928	0.016180822	Intergenic	NA	NA
5	83430829	83430859	1	-0.109079	5	0.0038	0.025	0.084126	0.19321	0.033101475	TSS	NM_181088	Dfnb31
5	95175697	95175727	1	0.084394	5	2.40E-05	0.00052	0.25294	0.16854	0.001057791	TSS	NR_046238:NR_046238	Rn5-8s:Rn5-8s
5	95177715	95177745	1	0.084346	5	3.10E-05	0.00052	0.25294	0.16859	0.001237068	TSS	NR_046238	Rn5-8s
5	95180571	95180588	1	0.058937	5	0.0058	0.0031	0.32122	0.26228	0.043692347	Intergenic	NA	NA
5	102704384	102704440	0.11	0.071495	5	4.20E-07	2.80E-07	0.42146	0.34997	4.59E-05	Intergenic	NA	NA
5	110579080	110579139	1	0.054411	5	0.0063	0.0053	0.79814	0.74373	0.046861209	Intergenic	NA	NA
5	110931525	110931564	1	0.064281	5	0.0022	0.015	0.10293	0.038649	0.02345343	Intergenic	NA	NA
5	117983884	117984099	1	0.064038	14	0.00019	0.014	0.22922	0.16518	0.004561545	Intergenic	NA	NA
5	122244958	122245097	1	0.102833	5	0.002	0.024	0.17502	0.072187	0.022286792	Intergenic	NA	NA
5	125548131	125548191	1	0.068593	5	0.00023	0.00052	0.85998	0.79138	0.005145379	Intergenic	NA	NA
5	130071946	130072068	1	-0.185623	5	0.0068	0.024	0.24696	0.43258	0.049459113	TSS	NM_001106671	Ttc22
5	144276829	144276847	1	-0.16901	5	0.00026	0.00028	0.23495	0.40396	0.005687259	Intergenic	NA	NA
5	148531798	148532104	1	0.073977	5	0.00012	0.0018	0.088327	0.014349	0.003343019	TSS	NM_001191764	Tfap2e
5	151976461	151976802	1	-0.070027	23	0.0027	0.015	0.20205	0.27208	0.026665886	TSS	NM_001302967	Col16a1
5	153759031	153759062	1	-0.051362	8	0.00011	0.00041	0.019107	0.070469	0.003123365	Intergenic	NA	NA
5	155169290	155169344	1	0.104072	5	0.00019	6.60E-05	0.40568	0.30161	0.004561545	Intragenic	NM_001107908	Wdtdc1
5	158572986	158573068	1	-0.119434	5	0.0053	0.00097	0.54248	0.66192	0.041404497	Intergenic	NA	NA
5	168694001	168694135	1	-0.055191	9	8.50E-05	0.0028	0.06195	0.11714	0.002561276	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	169319407	169319524	1	0.11185	8	0.00072	0.0088	0.79401	0.68216	0.011618361	Intergenic	NA	NA
5	169858273	169858307	1	-0.148607	5	0.0014	0.0092	0.34447	0.49308	0.018132456	Intragenic	NM_001271198	Ube4b
5	170512713	170512800	1	-0.159442	5	0.00017	0.00096	0.37559	0.53503	0.004327672	Intergenic	NA	NA
5	171734518	171734636	1	0.071431	7	0.00013	0.00015	0.78958	0.71815	0.003521927	Intragenic	NM_001195559	Camta1
5	171803052	171803165	1	0.058001	8	0.0026	0.026	0.92939	0.87139	0.026566782	Intragenic	NM_001195559	Camta1
5	172592178	172592292	1	0.097319	7	9.00E-06	0.00049	0.93433	0.83701	0.00053154	Intergenic	NA	NA
5	174868016	174868076	1	0.091995	5	0.0035	0.0031	0.16114	0.06914	0.031319697	Intragenic	NM_001108696	Tp73
6	6640975	6641127	1	0.098177	9	0.00033	0.00052	0.62283	0.52465	0.006862606	Intergenic	NA	NA
6	9405006	9405046	1	0.162877	5	0.0053	0.038	0.39993	0.23705	0.041404497	TSS	NM_017171	Prkce
6	25209334	25209399	1	0.154186	5	0.0017	0.039	0.74467	0.59048	0.020324291	Intergenic	NA	NA
6	38197437	38197456	1	0.050991	5	0.0008	0.0018	0.064555	0.013564	0.012433684	Intragenic	NM_139326	Pomc
6	38855782	38855805	1	0.083377	5	0.00032	0.0032	0.26195	0.17858	0.006701844	Intergenic	NA	NA
6	39269572	39269590	1	0.05075	5	0.0045	0.038	0.28464	0.23389	0.036708564	Intergenic	NA	NA
6	43652896	43652928	1	-0.068054	5	0.00072	0.0031	0.89211	0.96016	0.011618361	Intergenic	NA	NA
6	72383869	72383894	1	0.219217	9	1.10E-07	1.70E-05	0.63415	0.41493	1.55E-05	Intergenic	NA	NA
6	84455226	84455284	1	0.074636	7	1.20E-06	8.10E-06	0.095185	0.020549	0.000101246	Intergenic	NA	NA
6	84814411	84814525	1	-0.093295	5	0.0035	0.0018	0.10524	0.19853	0.031319697	Intergenic	NA	NA
6	88835290	88835385	1	-0.060389	5	0.0013	0.00053	0.014598	0.074987	0.017137946	TSS	NM_001014077	Clec14a
6	97686964	97687254	1	0.072394	5	0.0032	0.0052	0.95339	0.88099	0.029622571	Intergenic	NA	NA
6	101136740	101136838	1	-0.064924	9	0.00013	0.00081	0.38858	0.4535	0.003521927	TSS	NR_110377	Rn7sl1
6	118775222	118775371	1	0.082969	7	0.003	0.0014	0.23297	0.15	0.028762987	Intergenic	NA	NA
6	142109216	142109283	1	-0.133307	12	2.70E-05	0.0038	0.57018	0.70349	0.001155522	Intragenic	NM_024163:NM_001111115	Begain:Begin
6	142748561	142748725	1	-0.086148	13	0.0029	0.027	0.36864	0.45479	0.028170066	Intragenic	NM_053744	Dlk1
6	142820946	142821006	1	0.105349	5	0.0058	0.088	0.60776	0.50242	0.043692347	TSS	NR_131064	RGD1566401
6	144521393	144521597	1	0.072143	17	3.40E-07	5.80E-06	0.69754	0.6254	4.18E-05	Intragenic	NM_001137633	Tnfaip2
7	719465	719510	1	0.060532	5	0.0068	1	0.060532	0	0.049459113	Intergenic	NA	NA
7	855253	855281	1	0.106252	5	0.0058	0.0092	0.72938	0.62313	0.043692347	Intergenic	NA	NA
7	12145981	12146039	1	-0.105344	5	0.00072	0.0018	0.85341	0.95875	0.011618361	TSS	NM_001103361	Adat3
7	12941121	12941147	1	0.077197	5	0.0058	0.039	0.91099	0.8338	0.043692347	Intragenic	NM_130829:NM_001100886	Palm:Tmem259
7	22616060	22616179	1	-0.122554	10	4.00E-06	0.00025	0.55291	0.67546	0.000251319	Intergenic	NA	NA
7	27134245	27134359	1	0.060618	9	0.0032	0.033	0.6372	0.57658	0.029622571	Intergenic	NA	NA
7	29872019	29872079	1	0.068417	5	0.00021	0.00097	0.85925	0.79083	0.004882913	Intragenic	NM_001106778	Ano4
7	31628043	31628068	1	0.068904	8	0.0011	0.0011	0.11235	0.043443	0.015250235	Intragenic	NM_001271371	Anks1b
7	45933041	45933091	1	-0.07083	5	0.0058	0.025	0.87808	0.94891	0.043692347	Intergenic	NA	NA
7	64473399	64473542	1	-0.072735	7	0.0011	0.0083	0.046056	0.11879	0.015250235	TSS	NM_001191784	Srgap1
7	71643804	71643925	1	-0.063011	12	0.00023	0.0013	0.37283	0.43584	0.005145379	Intergenic	NA	NA
7	71786620	71786741	1	-0.063011	12	0.00023	0.0013	0.37283	0.43584	0.005145379	Intragenic	NM_013082	Sdc2

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
7	74495643	74495743	2.70E-07	0.065341	18	4.70E-14	6.70E-13	0.30299	0.23765	3.47E-11	Intragenic	NM_001134886	Vps13b
7	104689539	104689719	1	-0.133438	5	4.20E-07	1.60E-05	0.65824	0.79168	4.59E-05	Intergenic	NA	NA
7	122151974	122152006	1	0.057231	5	2.20E-06	3.50E-05	0.54692	0.48969	0.000154681	TSS	NM_001008373	Srek1ip1
7	125891002	125891125	1	-0.050133	5	0.002	3.30E-05	0.74373	0.79387	0.022286792	Intergenic	NA	NA
7	125933665	125933733	1	0.136979	5	0.00054	0.015	0.75854	0.62156	0.009435621	Intergenic	NA	NA
7	129736424	129736509	1	0.099348	10	0.00071	0.0013	0.85719	0.75784	0.011618361	Intragenic	NM_199409	Panx2
7	130183094	130183131	1	-0.086339	5	0.002	0.0055	0.11098	0.19732	0.022286792	Intragenic	NM_021676	Shank3
7	130183174	130183230	1.60E-06	0.081118	11	7.20E-14	3.90E-12	0.58918	0.50807	4.25E-11	Intragenic	NM_021676	Shank3
7	130183312	130183330	1	0.231883	5	1.30E-05	0.00028	0.56053	0.32865	0.000697982	Intragenic	NM_021676	Shank3
7	135507000	135507018	1	-0.158032	5	0.00036	0.00053	0.23495	0.39298	0.0073825	TSS	NM_001008521	Twf1
7	140497357	140497406	1	-0.050207	8	2.50E-05	0.0016	0.062306	0.11251	0.001085662	Intergenic	NA	NA
8	45083362	45083461	1	-0.154652	10	6.00E-08	6.20E-05	0.46624	0.62089	1.04E-05	Intragenic	NM_001106814	Tecta
8	48601058	48601123	1	-0.141814	8	0.00059	0.0059	0.60762	0.74943	0.010070925	Intragenic	NM_001108141	Dscaml1
8	62575392	62575539	1	0.149767	7	3.30E-06	1.40E-05	0.91474	0.76498	0.000221475	TSS	NM_017286	Cyp11a1
8	64278915	64278994	1	-0.151163	7	0.00093	0.018	0.27491	0.42608	0.013870152	Intergenic	NA	NA
8	85304006	85304104	1	0.057044	9	0.0045	0.08	0.19093	0.13389	0.036708564	Intergenic	NA	NA
8	106881601	106881741	0.69	-0.084176	14	7.60E-08	1.70E-06	0.87652	0.9607	1.15E-05	Intergenic	NA	NA
8	111401420	111401519	1	0.058196	5	0.0024	0.0054	0.97381	0.91561	0.024867368	Intergenic	NA	NA
8	114979115	114979129	1	0.068748	5	0.0029	0.015	0.10499	0.036241	0.028170066	Intergenic	NA	NA
8	116237247	116237278	1	0.061004	5	0.0063	0.024	0.97544	0.91443	0.046861209	Intragenic	NM_019146	Bsn
8	116246757	116246890	1	0.150484	9	0.00019	0.004	0.60875	0.45826	0.004561545	Intragenic	NM_019146	Bsn
8	117229744	117229859	1	0.174764	5	0.0041	0.0093	0.83569	0.66093	0.034891354	Intergenic	NA	NA
8	117561677	117561709	1	0.105043	5	7.80E-05	3.50E-05	0.35861	0.25357	0.002424568	TSS	NM_001106861	Smarcc1
8	119867651	119867700	1	-0.126634	5	0.00014	0.00028	0.63011	0.75675	0.003658584	Intergenic	NA	NA
8	126105955	126106046	1	-0.05304	6	0.0026	0.027	0.064387	0.11743	0.026566782	Intergenic	NA	NA
8	126878452	126878553	1	-0.114674	7	0.00054	0.0034	0.69913	0.8138	0.009435621	Intragenic	NM_001106865	Ctdspl
8	129683330	129683493	1	0.071037	7	0.0026	0.013	0.90849	0.83746	0.026566782	Intergenic	NA	NA
9	11340826	11340901	1	0.094071	5	2.50E-06	1.60E-05	0.17369	0.079621	0.000171686	Intergenic	NA	NA
9	12664998	12665010	1	0.070611	5	0.00019	0.00052	0.95062	0.88001	0.004561545	Intergenic	NA	NA
9	16108985	16109074	1	0.088741	14	0.00043	0.0058	0.72387	0.63513	0.008275924	Intergenic	NA	NA
9	43200992	43201037	1	0.065069	5	1.50E-05	0.00053	0.73201	0.66694	0.000763707	Intergenic	NA	NA
9	69850537	69850662	1	0.117383	7	0.0046	0.027	0.46816	0.35078	0.037420937	Intergenic	NA	NA
9	73807383	73807400	1	0.099049	5	7.80E-05	0.18	0.11959	0.020541	0.002424568	Intergenic	NA	NA
9	94667362	94667431	1	0.082156	5	0.0008	0.0031	0.69618	0.61403	0.012433684	Intragenic	NM_013023	Sag
9	96816491	96816507	1	0.052981	5	0.0017	0.024	0.19308	0.14009	0.020324291	Intragenic	NM_001108231	Asb18
9	99316810	99316835	1	0.229562	9	2.70E-09	5.70E-06	0.62806	0.3985	6.13E-07	TSS	NM_182671:NM_199495	Ndufa101:Ndufa10
9	103960100	103960196	1	0.052354	7	0.003	0.0082	0.079085	0.026731	0.028762987	TSS	NM_001002024	Slco4c1
X	51976130	51976256	1	0.115254	8	0.00083	0.013	0.95865	0.84339	0.012765573	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
X	63596303	63596325	1	0.056845	5	0.0068	0.014	0.93354	0.87669	0.049459113	Intergenic	NA	NA
X	63596459	63596481	1	0.063484	5	0.0019	0.0017	0.93424	0.87075	0.022002745	Intergenic	NA	NA
X	72374165	72374395	1	0.055488	10	0.0021	0.016	0.88581	0.83032	0.02305316	Intergenic	NA	NA
X	107640227	107640345	1	-0.050003	6	0.0044	0.058	0.039694	0.089698	0.036708564	Intergenic	NA	NA
X	123967440	123967489	1	-0.08872	7	7.30E-05	0.0021	0.16381	0.25253	0.002343141	Intergenic	NA	NA
X	124121821	124121870	1	-0.08872	7	7.30E-05	0.0021	0.16381	0.25253	0.002343141	Intergenic	NA	NA
X	124155778	124155795	1	-0.061211	5	0.0045	0.0091	0.11607	0.17728	0.036708564	Intergenic	NA	NA
X	134052101	134052235	1	-0.088133	5	0.0041	0.015	0.82702	0.91515	0.034891354	Intergenic	NA	NA

Figure2C Blood CRL

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	CRLLS	CRLHS	pMWU.fdr	cgi.type	transcript	gene
1	26631936	26631982	1	0.057292	5	0.0022	0.038	0.17951	0.12221	0.024379767	TSS	NM_001108459	Clvs2
1	32872113	32872135	1	0.096428	5	0.00039	0.0091	0.77073	0.6743	0.008107445	Intergenic	NA	NA
1	35323526	35323621	1	0.059451	5	0.0019	0.00052	0.088019	0.028568	0.023154472	Intragenic	NM_001107331	Irx1
1	39933952	39934039	1	0.075424	5	0.0058	0.0055	0.88284	0.80741	0.04538022	Intergenic	NA	NA
1	51577046	51577134	1	0.0882	17	2.00E-05	1.30E-05	0.44362	0.35542	0.001054815	TSS	NM_012756	Igf2r
1	68161468	68161619	2.30E-06	0.114278	16	4.20E-14	5.60E-12	0.95122	0.83694	4.46E-11	Intragenic	NM_147135	Sbk1
1	81596417	81596449	1	0.082139	5	0.00072	0.0018	0.30467	0.22254	0.012503415	Intragenic	NM_012530	Ckm
1	81644587	81644849	1	-0.089229	14	0.00024	0.0027	0.35424	0.44347	0.005792542	Intergenic	NA	NA
1	88743729	88744112	1	0.057972	33	0.0025	0.0066	0.37758	0.31961	0.026666667	Intergenic	NA	NA
1	88850623	88851006	1	0.057972	33	0.0025	0.0066	0.37758	0.31961	0.026666667	Intergenic	NA	NA
1	89196344	89196435	1	0.057986	9	0.002	0.0086	0.36704	0.30906	0.023154472	Intergenic	NA	NA
1	89204428	89204481	1	0.098245	5	9.20E-06	0.00028	0.72226	0.62401	0.000557481	Intergenic	NA	NA
1	90084469	90084511	1	0.082397	5	0.0013	0.024	0.23257	0.15017	0.018238424	Intragenic	NM_022628	Nphs1
1	102230961	102231020	1	-0.082918	5	0.0022	0.0054	0.029416	0.11233	0.024379767	Intragenic	NM_053859	Slc17a7
1	116822487	116822620	1	-0.097228	5	0.0049	0.0031	0.80946	0.90669	0.039645455	Intergenic	NA	NA
1	151967870	151968013	1	-0.119288	14	9.50E-08	0.00011	0.24485	0.36414	1.42E-05	Intergenic	NA	NA
1	151969248	151969336	1	-0.080447	13	4.60E-05	0.001	0.092691	0.17314	0.001926588	Intergenic	NA	NA
1	151971059	151971138	1	-0.075387	5	0.00088	0.0018	0.1084	0.18379	0.014571163	Intergenic	NA	NA
1	151971933	151972046	1	-0.09778	9	0.00082	0.0042	0.28783	0.38561	0.013737412	Intergenic	NA	NA
1	151975034	151975075	1	-0.148419	5	0.0049	7.10E-05	0.50343	0.65185	0.039645455	Intergenic	NA	NA
1	157106484	157106540	1	0.091463	5	0.0038	0.0092	0.23031	0.13885	0.033926019	TSS	NM_053524	Nox4
1	161113830	161113987	1	0.090527	5	9.20E-06	7.10E-05	0.10762	0.017096	0.000557481	Intergenic	NA	NA
1	161204177	161204334	1	0.090527	5	9.20E-06	7.10E-05	0.10762	0.017096	0.000557481	Intergenic	NA	NA
1	184027942	184028039	1	0.149302	5	0.0032	0.038	0.30801	0.15871	0.030277741	Intergenic	NA	NA
1	191163945	191163966	1	-0.182624	5	7.00E-05	0.00098	0.63889	0.82151	0.002730959	TSS	NM_001033955:N M_001033956:N M_017338	Calca:Calca:Ca lca

chr	start	stop	q-value	methyL.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
1	198267172	198267281	1	-0.054762	11	0.0012	0.0053	0.094404	0.14917	0.017616495	TSS	NM_181370	Hs3st2
1	204661355	204661450	1	-0.073763	9	0.0014	0.017	0.45586	0.52963	0.01935534	Intergenic	NA	NA
1	227606956	227606985	1	0.094527	5	0.00036	0.00052	0.43839	0.34386	0.007708872	Intragenic	NM_001024290	Gal3st3
1	229174134	229174208	1	-0.07634	9	0.00012	0.0061	0.085784	0.16212	0.003755604	Intragenic	NM_053804	Kcnk4
1	243806100	243806135	1	-0.189823	5	0.00023	0.00097	0.27908	0.46891	0.005646897	TSS	NM_001014106	Rfk
1	260158264	260158311	1	-0.052985	5	0.00048	0.015	0.91098	0.96397	0.009174765	Intergenic	NA	NA
1	268744228	268744333	1	-0.102995	5	0.0022	0.0018	0.12188	0.22487	0.024379767	TSS	NM_001106355	Hoga1
1	274548968	274549029	1	0.123927	5	0.0041	0.088	0.64922	0.5253	0.035065465	Intragenic	NM_001107606	Sh3pxd2a
1	287994904	287994942	1	0.05318	8	0.0013	0.0039	0.086051	0.032872	0.018238424	TSS	NM_001109169	Emx2
10	1866528	1866643	1	0.053189	5	0.0049	0.0055	0.7257	0.67251	0.039645455	Intergenic	NA	NA
10	6083426	6083464	1	-0.05498	5	0.0017	0.0031	0.0015152	0.056495	0.022007273	TSS	NM_001134638	Tmem114
10	6200608	6200740	1	0.05982	5	0.0058	0.0031	0.90443	0.84461	0.04538022	Intergenic	NA	NA
10	12700818	12700958	1	0.083473	5	0.0029	1	0.083473	0	0.028284932	Intergenic	NA	NA
10	16948000	16948046	1	0.129592	10	1.40E-06	6.50E-05	0.49343	0.36384	0.00013749	Intragenic	NM_001142652	Neur1b
10	20146463	20146539	1	0.148455	5	0.0041	0.0054	0.76368	0.61522	0.035065465	Intragenic	NM_031321	Slit3
10	34201684	34201738	1	0.111232	5	0.0049	0.088	0.38853	0.2773	0.039645455	Intergenic	NA	NA
10	39105873	39105905	1	0.063857	5	1.90E-05	0.015	0.063858	2.50E-07	0.001020981	Intragenic	NM_022270	Slc22a4
10	52504151	52504359	1	0.094338	14	9.00E-06	0.00087	0.82156	0.72723	0.000557481	Intragenic	NM_001191922	Shisa6
10	54081872	54081975	1	0.08637	12	0.0011	0.0014	0.47943	0.39306	0.016934054	Intergenic	NA	NA
10	55743876	55743931	1	0.12826	5	0.00032	0.00052	0.9458	0.81754	0.007064806	TSS	NM_001128155	Tmem88
10	62345000	62345061	1	-0.062461	5	7.80E-05	0.00013	0.044912	0.10737	0.002742519	TSS	NM_001107025	Abhd15
10	63810591	63810620	1	-0.081003	5	0.00021	0.00053	0.2886	0.3696	0.005246316	TSS	NM_001007611	Fam101b
10	74610233	74610335	1	-0.101209	5	0.0012	0.0055	0.85791	0.95912	0.017616495	TSS	NM_001013971	Cuedc1
10	75191623	75191768	1	-0.081259	20	2.10E-06	3.80E-05	0.80983	0.89109	0.0001869	Intergenic	NA	NA
10	81584803	81584898	1	0.11282	5	0.0008	0.025	0.27679	0.16397	0.013561905	Intragenic	NM_001108290	Spag9
10	83971582	83971688	1	0.055322	10	0.00055	0.0084	0.20103	0.14571	0.010305263	TSS	NM_001100787	Hoxb4
10	83993545	83993652	1	-0.052163	13	0.0037	0.0063	0.20286	0.25502	0.033882958	TSS	NM_001107042	Hoxb3
10	86361394	86361470	1	0.115319	5	0.0049	0.025	0.66519	0.54987	0.039645455	Intergenic	NA	NA
10	86641791	86641861	1	0.125982	5	0.0027	0.024	0.36983	0.24384	0.027462857	Intergenic	NA	NA
10	86641884	86641923	1	0.08908	5	0.00019	0.0092	0.17458	0.085496	0.004874955	Intergenic	NA	NA
10	86641957	86642002	1	0.081028	5	0.0016	0.0055	0.19217	0.11114	0.021393427	Intergenic	NA	NA
10	88876340	88876434	1	-0.070989	12	7.60E-06	0.00021	0.87191	0.9429	0.000527922	Intragenic	NM_001037202	Plekhh3
10	90070992	90071164	1	0.129871	5	0.0045	0.039	0.68314	0.55327	0.03780531	Intergenic	NA	NA
10	94449702	94449908	1	0.061131	5	0.0045	0.015	0.062982	0.0018519	0.03780531	Intergenic	NA	NA
10	95764751	95764889	1	0.050614	5	0.0012	0.025	0.079236	0.028622	0.017616495	Intergenic	NA	NA
10	96904074	96904326	1	0.050564	15	0.0048	0.0006	0.17062	0.12006	0.039645455	Intergenic	NA	NA
10	97206383	97206420	1	0.106567	5	0.0038	0.015	0.7752	0.66863	0.033926019	Intergenic	NA	NA
10	103884254	103884284	1	-0.059011	5	0.0049	0.015	0.91439	0.9734	0.039645455	Intragenic	NM_001127549	Llg12
10	104354954	104355094	1	-0.160386	5	0.00044	0.015	0.33243	0.49282	0.008950857	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
10	105926621	105926776	1	0.056166	5	0.0027	0.0055	0.99565	0.93949	0.027462857	Intragenic	NM_176856:NM_031837	Sept9:Sept9
10	107368289	107368415	1	0.127647	5	0.0045	0.0032	0.8281	0.70045	0.03780531	Intergenic	NA	NA
10	109419647	109419690	1	0.077319	5	0.0029	0.0052	0.77893	0.70161	0.028284932	TSS	NM_001128185	Myadml2
10	110810096	110810151	1	-0.07006	7	7.80E-05	0.0032	0.81282	0.88288	0.002742519	Intergenic	NA	NA
10	111446212	111446267	1	-0.07006	7	7.80E-05	0.0032	0.81282	0.88288	0.002742519	Intragenic	NM_001099458	Vom2r4
10	111452886	111452941	1	-0.07006	7	7.80E-05	0.0032	0.81282	0.88288	0.002742519	Intragenic	NM_001099458	Vom2r4
10	111716397	111716452	1	-0.07006	7	7.80E-05	0.0032	0.81282	0.88288	0.002742519	Intragenic	NM_001099458	Vom2r4
10	112120599	112120616	1	0.151948	5	0.0027	0.015	0.72457	0.57263	0.027462857	Intergenic	NA	NA
11	2145179	2145336	0.0038	-0.073199	15	2.40E-11	9.40E-09	0.24784	0.32104	9.76E-09	Intergenic	NA	NA
11	10098981	10099044	1	0.059979	5	0.0019	0.015	0.9773	0.91732	0.023154472	Intergenic	NA	NA
11	35913313	35913409	0.23	0.074207	10	7.80E-10	5.60E-07	0.17162	0.09741	1.99E-07	Intergenic	NA	NA
11	85801932	85802049	1	0.060887	5	0.0041	0.0055	0.080747	0.01986	0.035065465	Intragenic	NM_001044279	Liph
11	91143944	91143971	1	0.067544	5	0.0032	0.015	0.18305	0.11551	0.030277741	TSS	NM_001013863	Ydjc
12	327498	327605	0.027	0.06518	11	1.40E-10	6.70E-08	0.10335	0.038173	4.43E-08	Intergenic	NA	NA
12	356009	356084	1	0.226145	7	0.00013	0.0008	0.53418	0.30804	0.003938723	Intergenic	NA	NA
12	3853628	3853724	1	0.057442	5	0.0011	0.003	0.94068	0.88324	0.016934054	Intragenic	NM_017071	Insr
12	9432834	9433024	1	-0.050095	11	2.30E-05	1.30E-05	0.012737	0.062832	0.0011392	Intergenic	NA	NA
12	10565379	10565544	1	-0.09034	12	0.005	0.018	0.5419	0.63224	0.040112676	Intergenic	NA	NA
12	11754635	11754687	1	0.087168	5	0.0041	0.025	0.48299	0.39582	0.035065465	Intergenic	NA	NA
12	19370029	19370061	1	0.067419	5	0.0032	0.0018	0.91447	0.84705	0.030277741	Intergenic	NA	NA
12	25870987	25871047	1	0.050118	8	0.0052	0.013	0.93587	0.88575	0.041367598	Intragenic	NM_001277394	Srrm3
12	26355871	26355914	1	-0.082482	5	0.0038	0.0055	0.64986	0.73234	0.033926019	Intragenic	NM_181080	Trim50
12	26761869	26761910	1	-0.152638	5	0.0029	0.039	0.38996	0.5426	0.028284932	TSS	NM_001012022	Cldn4
12	27513011	27513105	1	0.084398	10	1.60E-07	8.90E-06	0.37965	0.29526	2.28E-05	Intragenic	NM_053734	Ncf1
12	30927459	30927553	1	0.06896	10	2.10E-05	0.0029	0.37305	0.30409	0.001087418	Intragenic	NM_001025112	Wbscr17
12	38867805	38867888	1	-0.113836	7	0.0024	0.019	0.12175	0.23559	0.025890909	Intragenic	NM_001108334	Ncor2
12	39196619	39196824	1	-0.091544	15	0.00029	0.012	0.3314	0.42294	0.006554921	Intergenic	NA	NA
12	42547079	42547102	1	0.0934	5	0.00032	0.0055	0.37387	0.28047	0.007064806	TSS	NM_001047900	Naa25
12	43324801	43324912	1	0.21489	5	0.0038	0.0089	0.63553	0.42064	0.033926019	Intergenic	NA	NA
12	44299735	44299904	1	-0.075471	9	0.005	0.023	0.15191	0.22738	0.040112676	Intergenic	NA	NA
12	44331014	44331048	1	-0.050777	5	0.0024	0.038	0.047531	0.098308	0.025890909	Intragenic	NM_181638	Tbx3
12	45679114	45679236	1	0.146853	5	0.00065	0.0093	0.25735	0.1105	0.011642767	Intergenic	NA	NA
12	46828955	46829101	1	-0.07539	5	0.0029	0.0092	0.90147	0.97686	0.028284932	Intergenic	NA	NA
12	52471308	52471342	1	0.138358	5	0.00039	0.024	0.56302	0.42466	0.008107445	Intergenic	NA	NA
12	52991202	52991317	1	0.118324	7	0.00058	0.0083	0.52118	0.40285	0.010726234	TSS	NM_001191928	Mn1
13	22841754	22841862	1	0.1088	5	0.002	0.00098	0.50756	0.39876	0.023154472	Intergenic	NA	NA
13	40560835	40560861	1	0.114562	5	0.0022	0.0017	0.20646	0.091901	0.024379767	TSS	NM_080771	Inhbb
13	52702989	52703084	3.60E-12	-0.098921	16	4.20E-14	8.80E-18	0.037213	0.13613	4.46E-11	Intragenic	NM_001014843	Fcmr

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
13	54357126	54357219	1	-0.069365	5	0.0013	0.0054	0.90195	0.97131	0.018238424	Intergenic	NA	NA
13	55055457	55055586	0.39	0.116357	9	4.70E-08	9.60E-07	0.22742	0.11107	8.92E-06	Intergenic	NA	NA
13	59205560	59205663	1	0.102893	8	9.30E-05	0.013	0.27981	0.17692	0.003230049	Intergenic	NA	NA
13	79190428	79190517	1	-0.143399	5	0.0024	0.024	0.6701	0.8135	0.025890909	Intragenic	NM_001107186:N M_001009683	Abl2:Tor3a
13	88792326	88792594	1	-0.05673	11	0.002	0.044	0.10999	0.16672	0.023154472	Intragenic	NM_001108349	Rcsd1
13	95110567	95110652	7.80E-07	-0.054102	11	4.70E-14	1.90E-12	0.01914	0.073242	4.46E-11	TSS	NM_001013231	Pea15
13	102380775	102380949	1	-0.06427	9	0.0015	0.0082	0.74263	0.8069	0.020538462	Intragenic	NM_001025762	Smyd3
13	110058461	110058652	1	0.081794	19	0.00024	0.0088	0.65303	0.57124	0.005792542	TSS	NM_001108858	Ddx3y
13	115306385	115306459	1	0.096381	12	7.60E-05	0.00031	0.56791	0.47153	0.002742519	Intergenic	NA	NA
14	129727	129782	1	-0.069654	7	0.00015	0.0051	0.81106	0.88072	0.004272	Intergenic	NA	NA
14	2391299	2391334	1	0.069127	5	0.00026	0.00052	0.091224	0.022097	0.006020163	Intergenic	NA	NA
14	4967047	4967114	1	-0.066232	5	0.00039	0.0018	0.87652	0.94275	0.008107445	Intergenic	NA	NA
14	13219070	13219151	0.14	-0.08615	15	1.70E-07	3.40E-07	0.035565	0.12171	2.31E-05	Intergenic	NA	NA
14	33453217	33453259	1	0.087892	5	0.0049	0.0092	0.24782	0.15992	0.039645455	Intergenic	NA	NA
14	38043747	38043806	1	-0.177878	5	0.0029	0.0053	0.41519	0.59307	0.028284932	Intragenic	NM_001170438	Nfxl1
14	46699334	46699357	1	-0.099928	5	1.50E-05	0.00052	0.20267	0.3026	0.000837647	Intergenic	NA	NA
14	46765669	46765692	1	-0.102981	5	1.90E-05	0.0018	0.20598	0.30896	0.001020981	Intergenic	NA	NA
14	46824766	46825019	1	0.068476	30	0.0019	0.071	0.47936	0.42729	0.023154472	TSS	NR_046238	Rn5-8s
14	46827270	46827293	1	-0.102651	5	2.40E-05	0.0018	0.20631	0.30896	0.0011392	TSS	NR_046246	Rn28s
14	46829246	46829269	1	-0.094936	5	2.40E-05	0.00052	0.20837	0.30331	0.0011392	TSS	NR_046246:NM_1 47136	Rn28s:LOC25 7642
14	46830105	46830128	1	-0.099664	5	2.40E-05	0.00014	0.21036	0.31002	0.0011392	TSS	NM_147136	LOC257642
14	46832141	46832164	1	-0.099928	5	1.50E-05	0.00052	0.20267	0.3026	0.000837647	Intragenic	NM_001025002:N R_046239	LOC310926:R n45s
14	47180334	47180445	1	-0.082653	5	0.0045	0.038	0.88401	0.96667	0.03780531	Intergenic	NA	NA
14	47487736	47487847	1	-0.089996	5	0.0041	0.038	0.87667	0.96667	0.035065465	Intergenic	NA	NA
14	48003072	48003111	1	0.085598	7	7.30E-05	8.90E-05	0.80027	0.71467	0.002742519	Intergenic	NA	NA
14	48476703	48476742	1	0.083376	7	0.0001	5.00E-05	0.80027	0.7169	0.003273563	Intergenic	NA	NA
14	76837263	76837387	1	0.115189	5	0.00072	0.00051	0.29868	0.18349	0.012503415	Intergenic	NA	NA
14	76837412	76837526	1	-0.089152	9	4.50E-07	9.90E-06	0.14354	0.23269	5.57E-05	Intergenic	NA	NA
14	77686576	77686627	1	0.109775	5	0.00021	0.0031	0.15362	0.043847	0.005246316	Intergenic	NA	NA
14	81634834	81634931	1	-0.082684	5	0.0035	0.0092	0.59193	0.67462	0.032154839	Intragenic	NM_001130062	Dok7
14	84928496	84928746	1	0.088469	23	0.0025	0.082	0.33536	0.25777	0.026666667	Intragenic	NM_001109447	Gal3st1
14	84928763	84928806	1	0.205848	5	0.0019	0.0093	0.43447	0.22862	0.023154472	Intragenic	NM_001109447	Gal3st1
14	88844549	88844671	1	-0.149265	5	0.00026	0.0005	0.21509	0.36436	0.006020163	Intergenic	NA	NA
14	91914450	91914468	1	-0.096054	5	0.0063	0.0054	0.45999	0.55605	0.047592573	TSS	NM_001109093	Grb10
14	103053478	103053517	1	-0.101459	5	0.00097	0.015	0.65047	0.75193	0.015696364	Intragenic	NM_001134702	Meis1
14	107824620	107824758	1	-0.098969	11	1.00E-06	0.00095	0.42697	0.52594	0.000105481	TSS	NM_001017504	Zrsr1

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
14	107824891	107825320	1	0.099275	26	0.0018	0.018	0.40821	0.33267	0.022988341	TSS	NM_001017504	Zrsr1
15	9214596	9214617	1	0.134767	5	0.00019	0.0032	0.27498	0.14021	0.004874955	Intergenic	NA	NA
15	9329952	9330109	1	-0.053621	15	3.50E-05	0.00043	0.47524	0.52886	0.001582222	Intergenic	NA	NA
15	9393064	9393099	1	0.104783	5	0.0022	0.024	0.72552	0.62073	0.024379767	Intragenic	NM_134459	Cd99l2
15	9795686	9795721	1	0.105787	5	0.0017	0.015	0.72562	0.61983	0.022007273	Intragenic	NM_134459	Cd99l2
15	24798809	24798898	1	0.07807	5	0.0041	0.015	0.92864	0.85057	0.035065465	Intergenic	NA	NA
15	37660545	37660596	1	0.066396	5	0.0035	0.088	0.91819	0.85179	0.032154839	TSS	NM_001003711	Jph4
15	41652409	41652451	1	0.087139	11	0.00098	0.00012	0.79771	0.71057	0.015768588	Intergenic	NA	NA
15	51052351	51052440	1	0.05453	6	0.0016	0.0071	0.08355	0.02902	0.021393427	TSS	NM_001106045	Sox7
15	64360616	64360662	1	0.108849	5	0.0041	0.059	0.61876	0.50991	0.035065465	Intergenic	NA	NA
15	90887823	90888007	1	0.075796	9	0.002	0.025	0.40009	0.3243	0.023154472	Intergenic	NA	NA
15	107337356	107337415	1	-0.082226	5	0.00097	0.0092	0.089164	0.17139	0.015696364	Intragenic	NM_133411	Abcc4
16	6357943	6358091	1	0.062323	5	0.0053	0.0054	0.94759	0.88526	0.042045682	Intergenic	NA	NA
16	9576676	9576700	1	-0.052702	5	0.0022	0.015	0.031449	0.084152	0.024379767	TSS	NR_031790	Mir346
16	10787855	10787882	1	-0.050406	5	0.0013	0.0092	0.038734	0.089141	0.018238424	TSS	NM_145767	Drgx
16	19893039	19893142	1	-0.079185	9	2.10E-06	5.70E-06	0.067804	0.14699	0.0001869	Intragenic	NM_001100908	Fam129c
16	38850141	38850197	1	-0.051679	5	0.00011	0.0032	0.039189	0.090869	0.003480889	Intergenic	NA	NA
16	73294819	73294885	1	0.060218	7	0.0027	0.0014	0.89393	0.83371	0.027462857	Intergenic	NA	NA
16	78023712	78023794	1	-0.062865	5	0.0035	0.024	0.9082	0.97107	0.032154839	Intragenic	NM_001037327	Csmd1
17	8772366	8772445	1	0.093926	9	0.00028	0.0027	0.8299	0.73597	0.006430968	Intergenic	NA	NA
17	11327400	11327515	1	0.08019	8	0.0062	0.013	0.66938	0.58919	0.047592573	Intragenic	NM_001024998	Txndc15
17	12323388	12323553	1	0.079413	9	0.0047	0.034	0.70959	0.63018	0.039369412	Intergenic	NA	NA
17	15895002	15895110	1	0.061168	8	2.80E-06	3.10E-05	0.12446	0.063293	0.000234541	Intergenic	NA	NA
17	23056490	23056549	1	-0.067599	5	0.0035	0.0091	0.87705	0.94465	0.032154839	Intergenic	NA	NA
17	39327242	39327267	1	0.082419	5	0.0049	0.059	0.39549	0.31307	0.039645455	Intergenic	NA	NA
17	74118872	74119035	1	-0.099739	8	0.0057	0.0011	0.16576	0.2655	0.044968421	Intragenic	NM_133293	Gata3
17	79284890	79284993	1	0.081867	9	0.00016	0.0019	0.64234	0.56048	0.004511683	Intragenic	NM_138523	Prpf18
18	18899204	18899262	1	0.053986	5	0.0041	0.038	0.98121	0.92722	0.035065465	Intergenic	NA	NA
18	28157616	28157644	1	0.062972	5	0.0027	0.015	0.093558	0.030586	0.027462857	Intergenic	NA	NA
18	29992981	29993049	1	0.077287	5	0.00048	0.0054	0.28005	0.20277	0.009174765	Intergenic	NA	NA
18	30514824	30515007	1	-0.160619	8	0.00022	0.0016	0.4591	0.61972	0.005448348	TSS	NM_001037154	Pcdhga3
18	30844669	30844719	1	0.160315	5	9.20E-06	0.00014	0.51868	0.35837	0.000557481	Intergenic	NA	NA
18	32283447	32283566	1	-0.142887	5	0.0027	0.015	0.24212	0.38501	0.027462857	Intragenic	NM_012576:NM_001106150	Nr3c1:Spry4
18	43961721	43961837	0.016	-0.118501	13	1.60E-09	3.90E-08	0.26234	0.38084	3.51E-07	TSS	NM_001107387	Tnfaip8
18	59225807	59225931	1	0.058075	14	0.00017	0.0024	0.92423	0.86616	0.004567547	Intragenic	NM_001106140	Atp8b1
18	78983791	78983885	1	0.087342	6	0.0028	0.0073	0.95789	0.87055	0.028278014	Intergenic	NA	NA
19	10290058	10290103	1	0.13432	5	0.0019	0.0053	0.60761	0.47329	0.023154472	Intergenic	NA	NA
19	11127504	11127565	1	-0.064508	5	0.0032	0.038	0.13533	0.19984	0.030277741	TSS	NR_031884	Mir138-2

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
19	25776027	25776154	1	0.093458	5	0.0063	0.015	0.94606	0.85261	0.047592573	Intragenic	NM_133568	Rasd2
19	27427453	27427542	1	0.069252	9	0.00013	0.0008	0.93748	0.86822	0.003938723	Intergenic	NA	NA
19	30435664	30435736	1	0.10877	15	0.0011	0.025	0.48688	0.37811	0.016934054	Intragenic	NM_001024999	Snx20
19	31556421	31556520	1	0.169132	7	0.00045	0.012	0.56568	0.39655	0.009089362	Intergenic	NA	NA
19	35773803	35773877	1	0.054076	7	0.0015	0.011	0.88688	0.8328	0.020538462	TSS	NM_053341	Gipc1
19	36874634	36874695	1	0.092314	5	0.0041	0.025	0.1807	0.088387	0.035065465	Intragenic	NM_030866	Nfix
19	38661572	38661680	1	0.1088	5	0.002	0.00098	0.50756	0.39876	0.023154472	Intergenic	NA	NA
19	39033302	39033410	1	0.1088	5	0.002	0.00098	0.50756	0.39876	0.023154472	Intergenic	NA	NA
19	53039492	53039889	1	0.075626	7	0.0024	0.012	0.92825	0.85262	0.025890909	Intergenic	NA	NA
19	62487522	62487643	1	-0.059645	10	0.0038	0.028	0.81298	0.87263	0.033926019	Intragenic	NM_138889	Cdh13
19	63452264	63452354	1	-0.11026	5	0.0016	0.0054	0.36485	0.47511	0.021393427	Intragenic	NM_138518	Crispld2
19	65037345	65037367	1	0.073708	5	0.0017	0.0017	0.72077	0.64706	0.022007273	TSS	NM_001008722	Irf8
19	65758153	65758242	1	-0.110276	7	2.90E-05	5.50E-05	0.048368	0.15864	0.001332129	Intergenic	NA	NA
19	65758567	65758604	1	-0.154577	5	0.00014	0.0018	0.053756	0.20833	0.004153333	Intergenic	NA	NA
19	68763285	68763333	1	-0.195789	6	1.10E-06	9.20E-05	0.74595	0.94174	0.000111886	Intragenic	NM_175596	Disc1
19	71984774	71984852	1	-0.073169	5	5.60E-05	0.00028	0.013301	0.086469	0.0022784	TSS	NM_145098	Nrp1
2	537732	537768	1	0.088098	5	0.00017	0.00027	0.10418	0.016081	0.004567547	Intergenic	NA	NA
2	135373351	135373418	1	-0.058824	7	0.0012	0.0014	0.066335	0.12516	0.017616495	TSS	NM_001134615	Slc7a14
2	148414965	148415427	1	0.081693	17	0.0064	0.088	0.34694	0.27415	0.048220106	Intergenic	NA	NA
2	177898499	177898648	1	0.085792	7	0.0023	0.0016	0.68461	0.59882	0.02529112	Intergenic	NA	NA
2	180916233	180916316	1	0.131242	11	6.00E-05	0.00043	0.58054	0.4493	0.002406761	Intergenic	NA	NA
2	180995860	180995903	1	-0.1007	5	0.0027	0.038	0.22106	0.32176	0.027462857	Intergenic	NA	NA
2	206705354	206705376	1	0.06527	5	0.00015	0.00014	0.29827	0.233	0.004272	TSS	NM_001007741:N M_001014173	Isg20l2:Rrnad 1
2	207915746	207915828	1	-0.112165	5	0.0032	0.024	0.08785	0.20001	0.030277741	Intragenic	NM_001107690	Fam189b
2	207966590	207966695	1	0.068676	5	0.0058	0.088	0.93895	0.87028	0.04538022	Intragenic	NM_001107691	Trim46
2	207967472	207967521	1	0.10505	5	0.00036	0.00098	0.53351	0.42846	0.007708872	Intragenic	NM_001107691	Trim46
2	214982952	214983013	1	0.100386	5	0.0063	0.059	0.63804	0.53765	0.047592573	Intragenic	NM_001100985	RGD1563667
2	215839833	215839863	1	-0.071318	5	0.0019	0.038	0.092713	0.16403	0.023154472	Intragenic	NM_001024302:N M_017308	Lysmd1:Sema 6c
2	215840017	215840069	1	0.116067	7	0.0021	0.0033	0.28826	0.1722	0.024213765	Intragenic	NM_001024302:N M_017308	Lysmd1:Sema 6c
2	252953162	252953387	1	-0.0565	12	0.0033	0.04	0.098995	0.1555	0.031017822	Intergenic	NA	NA
2	254619680	254619733	1	0.085692	5	0.0035	0.058	0.25062	0.16493	0.032154839	Intergenic	NA	NA
2	254619749	254619869	1	-0.106462	5	0.002	0.0054	0.05848	0.16494	0.023154472	Intergenic	NA	NA
2	268714882	268714987	0.0028	-0.112543	5	6.30E-08	6.80E-09	0.019802	0.13235	9.97E-06	Intergenic	NA	NA
2	279312106	279312243	1	-0.147892	7	0.00018	0.0013	0.75627	0.90416	0.004791028	Intergenic	NA	NA
20	4669883	4669970	1	0.162115	7	0.00013	0.0013	0.69157	0.52945	0.003938723	Intergenic	NA	NA
20	7605721	7605821	1	-0.060507	5	0.0027	0.0054	0.011264	0.071771	0.027462857	TSS	NM_001113409	Syngap1

chr	start	stop	q-value	methy1.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
20	7853783	7854047	1	0.16246	8	0.00075	0.0058	0.80085	0.63839	0.012945455	Intragenic	NM_001013906	Lhfp15
20	8995595	8995656	1	0.136531	5	4.80E-06	3.30E-05	0.56795	0.43142	0.000350523	Intragenic	NM_001034188:NM_022666	Ppil1:Grm4
20	9426826	9426952	0.76	0.22035	10	2.00E-09	1.90E-06	0.87588	0.65553	4.07E-07	Intergenic	NA	NA
20	10851757	10851825	1	-0.172859	5	0.00059	0.0054	0.33453	0.50739	0.010840774	Intergenic	NA	NA
20	12346751	12346819	1	0.120165	5	0.002	0.015	0.26338	0.14322	0.023154472	Intragenic	NM_138543	Pde9a
20	12546391	12546632	1	0.12434	8	0.0011	0.03	0.78137	0.65703	0.016934054	Intergenic	NA	NA
20	17919770	17919816	1	0.058925	5	0.0017	0.0031	0.094994	0.036069	0.022007273	Intergenic	NA	NA
20	21547804	21547975	1	0.050943	11	0.0016	0.02	0.14769	0.096743	0.021393427	Intergenic	NA	NA
20	39332334	39332490	0.22	0.113967	15	1.30E-10	5.50E-07	0.32821	0.21425	4.43E-08	Intragenic	NM_001014032	Msl3l2
20	39332874	39333116	1	0.104051	17	5.30E-07	5.10E-05	0.4557	0.36866	6.29E-05	Intragenic	NM_001014032	Msl3l2
20	47521466	47521491	1	-0.075015	5	0.0038	0.024	0.097502	0.17252	0.033926019	TSS	NM_031806	Gpr6
20	49241640	49241792	1	0.084088	8	2.00E-06	0.00015	0.66833	0.58424	0.0001869	Intergenic	NA	NA
3	1826433	1826466	1	0.116393	5	0.00054	0.015	0.52758	0.41119	0.010184901	Intragenic	NM_147141:NM_001195199	Cacna1b:Cacna1b
3	10426455	10426585	1	0.054566	5	0.0049	0.0053	0.87812	0.82355	0.039645455	Intergenic	NA	NA
3	65897941	65898116	1	0.130198	8	0.00015	0.0059	0.7873	0.6571	0.004272	Intergenic	NA	NA
3	68115373	68115443	1	0.05345	5	0.0035	0.038	0.095502	0.042052	0.032154839	TSS	NR_031815	Mir10b
3	75809008	75809162	1	0.062592	5	0.00017	0.0054	0.11065	0.048059	0.004567547	Intergenic	NA	NA
3	82359499	82359548	1	-0.073659	7	0.0004	0.0021	0.27061	0.34427	0.008195683	Intergenic	NA	NA
3	96412184	96412228	1	-0.157902	6	0.003	0.025	0.27241	0.43031	0.029061224	Intergenic	NA	NA
3	105718716	105718894	1	-0.061016	5	0.00097	0.00052	0.91525	0.97626	0.015696364	Intergenic	NA	NA
3	129384062	129384102	1	0.089791	7	0.0011	0.0083	0.13135	0.041562	0.016934054	Intragenic	NM_001191076	Ebf4
3	129677958	129677991	1	0.085563	5	0.0049	0.015	0.71996	0.63439	0.039645455	TSS	NM_172022	Lzts3
3	156428433	156428548	1	-0.097622	10	0.0013	0.011	0.26214	0.35977	0.018238424	Intragenic	NM_001098724	Necab3
3	160742922	160742997	1	0.089698	5	0.0012	0.0054	0.1481	0.0584	0.017616495	TSS	NM_001258011	Shhg11
3	161555673	161555735	1	0.162439	5	3.90E-05	0.0018	0.52649	0.36405	0.001657791	TSS	NM_001270867:NM_053601:NM_181687:NR_073089:NM_133582	Nnat:Nnat:Nnat:Blcap
3	162794241	162794375	1	0.050462	7	0.0051	0.0013	0.89314	0.84268	0.0408	Intergenic	NA	NA
3	166743323	166743391	1	0.084349	7	0.0062	0.056	0.30873	0.22438	0.047592573	Intragenic	NM_053954	Kcns1
3	167290284	167290435	1	0.095049	9	0.0028	0.033	0.37762	0.28257	0.028278014	Intragenic	NM_001008868	Wfdc9
3	167599505	167599536	1	-0.06526	5	0.0012	0.0054	0.19142	0.25668	0.017616495	TSS	NM_031055	Mmp9
3	171161004	171161076	1	0.147599	5	0.00036	0.0018	0.75087	0.60328	0.007708872	Intragenic	NM_001106545	Kcng1
3	171755795	171755821	1	0.093846	5	0.0027	0.088	0.38927	0.29542	0.027462857	Intergenic	NA	NA
3	171845815	171845880	1	0.065216	7	0.0034	0.0077	0.398	0.33279	0.031852632	Intergenic	NA	NA
3	172805006	172805104	1	0.14905	7	5.30E-08	4.30E-06	0.8635	0.71445	9.43E-06	Intergenic	NA	NA
3	173704389	173704558	1	0.157002	5	5.50E-06	7.60E-06	0.22365	0.066647	0.0003916	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
3	178426126	178426159	1	0.053694	5	0.00097	0.0032	0.2387	0.18501	0.015696364	TSS	NM_001159656:NM_001159653	Gnas:Gnas
3	178438683	178438754	1	0.122634	7	0.00014	7.60E-05	0.59546	0.47283	0.004153333	TSS	NM_001024823:NM_021845	Gnas:Gnas
3	178441339	178441514	1	-0.137329	9	8.60E-07	5.40E-06	0.37581	0.51314	9.42E-05	Intragenic	NM_001159656:NM_001159653:NM_001024823:NM_021845	Gnas:Gnas:Gnas:Gnas
3	178472119	178472309	1	-0.05428	22	0.0001	0.00016	0.29725	0.35153	0.003273563	TSS	NM_019132	Gnas
3	178472706	178472728	1	0.091028	5	7.80E-05	0.00014	0.16609	0.075062	0.002742519	TSS	NM_019132	Gnas
3	183696811	183696916	1	0.055077	8	0.0017	0.00061	0.54273	0.48765	0.022007273	Intergenic	NA	NA
4	20036858	20036986	0.5	-0.212724	7	5.80E-07	1.20E-06	0.43168	0.6444	6.61E-05	Intergenic	NA	NA
4	25612513	25612659	1	-0.082594	9	0.00064	0.0041	0.81851	0.9011	0.011642767	Intergenic	NA	NA
4	29704099	29704221	0.068	0.201505	9	8.40E-10	1.70E-07	0.63421	0.4327	1.99E-07	Intergenic	NA	NA
4	46830825	46830990	1	0.055659	9	0.0033	0.0061	0.93595	0.8803	0.031017822	Intergenic	NA	NA
4	66842179	66842315	1	-0.097877	5	0.00029	0.00014	0.122	0.21988	0.006554921	Intergenic	NA	NA
4	66984926	66985060	1	0.098379	14	4.40E-06	9.60E-06	0.81077	0.71239	0.000329768	Intergenic	NA	NA
4	146839302	146839363	6.40E-05	0.122978	9	2.10E-11	1.60E-10	0.56094	0.43796	9.76E-09	Intragenic	NR_132648	Hoxaas3
4	146839365	146839624	1	0.069861	31	0.0018	0.008	0.39008	0.35389	0.022988341	Intragenic	NR_132648	Hoxaas3
4	146839627	146839665	1	0.120743	5	0.00017	0.00051	0.5154	0.39466	0.004567547	Intragenic	NR_132648	Hoxaas3
4	146925097	146925158	6.40E-05	0.123079	9	2.10E-11	1.60E-10	0.56104	0.43796	9.76E-09	Intragenic	NR_132648	Hoxaas3
4	146925160	146925419	1	0.07005	31	0.0018	0.008	0.39015	0.35389	0.022988341	Intragenic	NR_132648	Hoxaas3
4	146925422	146925460	1	0.120743	5	0.00017	0.00051	0.5154	0.39466	0.004567547	Intragenic	NR_132648	Hoxaas3
4	182119619	182119676	1	-0.102348	5	0.0038	0.025	0.21093	0.31327	0.033926019	Intergenic	NA	NA
4	197362179	197362265	1	0.145156	7	0.0065	0.017	0.76286	0.6177	0.048844327	Intergenic	NA	NA
4	216573431	216573509	1	0.19158	5	6.20E-05	0.00052	0.84758	0.656	0.002452444	Intragenic	NM_012517	Cacna1c
4	219073614	219073704	1	0.060547	5	8.10E-06	0.015	0.064865	0.0043183	0.000549257	TSS	NM_001271276	Fbxl14
4	219073749	219073822	0.0001	0.268755	7	3.90E-10	2.50E-10	0.27702	0.0082686	1.11E-07	TSS	NM_001271276	Fbxl14
4	220129171	220129260	1	0.15777	5	0.0029	0.037	0.65098	0.49321	0.028284932	Intergenic	NA	NA
4	222392162	222392223	1	-0.193203	5	0.0019	0.0018	0.59501	0.78821	0.023154472	Intragenic	NM_001100779	aicda
4	226190421	226190453	1	-0.075644	5	0.0014	0.039	0.082616	0.15826	0.01935534	TSS	NM_173095	Kcna1
4	232998223	232998246	1	0.090299	5	0.00048	0.0055	0.37387	0.28357	0.009174765	Intergenic	NA	NA
4	243406474	243406582	1	0.051874	5	0.0063	0.087	0.89377	0.84189	0.047592573	Intergenic	NA	NA
4	243584944	243585040	1	-0.055886	5	0.00088	0.0018	0.88178	0.93766	0.014571163	Intergenic	NA	NA
4	243805577	243805634	1	-0.102552	5	0.0008	0.0055	0.75923	0.86179	0.013561905	Intergenic	NA	NA
4	246879768	246879900	0.00091	0.201854	12	2.90E-13	2.20E-09	0.92768	0.72582	2.06E-10	TSS	NM_001109612	Rps4y2
5	20708	20732	1	0.126956	7	0.0041	0.078	0.71244	0.58548	0.035065465	Intergenic	NA	NA
5	10576762	10576883	1	0.055553	12	0.00015	0.0018	0.60232	0.54676	0.004272	Intergenic	NA	NA
5	50111467	50111609	1	0.070902	13	0.006	0.016	0.7535	0.6826	0.046688525	Intergenic	NA	NA

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
5	64061885	64061953	1	0.120314	5	0.0016	0.00028	0.58077	0.46046	0.021393427	Intragenic	NM_053765	Gne
5	66985618	66985803	1	0.089638	8	0.0014	0.0014	0.8576	0.76796	0.01935534	Intragenic	NM_031802	Gabbr2
5	68305445	68305489	1	-0.162188	7	0.0012	0.0022	0.19193	0.35412	0.017616495	Intragenic	NM_031628	Nr4a3
5	76246310	76246386	1	-0.069818	5	0.0022	0.0055	0.91502	0.98484	0.024379767	Intergenic	NA	NA
5	126926825	126926860	1	0.110577	5	0.00048	0.0018	0.73473	0.62415	0.009174765	Intergenic	NA	NA
5	133979545	133979560	1	-0.066897	5	0.0029	0.00097	0.052976	0.11987	0.028284932	Intergenic	NA	NA
5	137504498	137504626	1	-0.071892	5	0.0032	0.0055	0.065103	0.137	0.030277741	Intergenic	NA	NA
5	138533367	138533399	1	-0.065707	5	0.0008	0.0055	0.1911	0.25681	0.013561905	Intergenic	NA	NA
5	144823583	144823650	1	0.061019	7	0.0004	0.0008	0.12256	0.061541	0.008195683	TSS	NM_001109432	Bmp8a
5	148829223	148829300	1	0.186415	5	0.0022	0.0017	0.82752	0.6411	0.024379767	Intergenic	NA	NA
5	151350135	151350187	1	-0.176104	5	1.30E-05	6.90E-05	0.70566	0.88176	0.000771333	Intragenic	NM_001109265	Zbtb8b
5	155981577	155981628	1	-0.095658	5	0.002	0.0018	0.073346	0.169	0.023154472	Intergenic	NA	NA
5	159192635	159192755	1	0.185837	5	0.00032	0.00052	0.751	0.56516	0.007064806	Intragenic	NR_036653	Bc1
5	160957307	160957406	1	0.111335	5	0.0012	0.015	0.96508	0.85375	0.017616495	Intergenic	NA	NA
5	164161675	164161781	1	-0.094703	7	0.0001	0.0005	0.14101	0.23571	0.003273563	Intergenic	NA	NA
5	168710864	168710958	1	0.05852	8	0.00068	0.0025	0.96463	0.90611	0.012104	Intergenic	NA	NA
5	169135995	169136145	1	0.178847	5	0.0012	0.0053	0.66098	0.48213	0.017616495	Intergenic	NA	NA
5	170155936	170155985	1	0.083967	5	0.0027	0.0053	0.75701	0.67305	0.027462857	Intragenic	NM_001173388	Ctnnbip1
5	172609154	172609263	1	0.079552	8	0.00019	7.40E-05	0.16937	0.089815	0.004874955	Intergenic	NA	NA
5	173018113	173018171	1	0.083545	7	0.0039	0.027	0.23373	0.15019	0.03449441	Intergenic	NA	NA
5	174868016	174868384	1	0.08728	11	3.90E-05	0.004	0.17227	0.08499	0.001657791	Intragenic	NM_001108696	Tp73
5	175674455	175674559	1	0.080818	5	0.0063	0.015	0.2473	0.16648	0.047592573	Intergenic	NA	NA
5	176866659	176866719	1	0.067142	7	0.0044	0.019	0.87458	0.80744	0.037406567	TSS	NM_001108000	Fam132a
6	6138299	6138347	1	0.128421	5	0.0029	0.0018	0.8078	0.67938	0.028284932	Intergenic	NA	NA
6	6641034	6641122	0.028	-0.080583	7	2.20E-07	6.70E-08	0.73292	0.8135	2.85E-05	Intergenic	NA	NA
6	33048081	33048178	1	0.089849	5	0.00026	0.00051	0.28745	0.1976	0.006020163	Intragenic	NM_001169101	Alk
6	38855782	38855820	1	-0.089929	8	0.005	0.0037	0.28455	0.37448	0.040112676	Intergenic	NA	NA
6	39265520	39265548	1	-0.099665	7	0.003	0.0083	0.23874	0.33841	0.029061224	Intergenic	NA	NA
6	39272758	39272863	1	0.053702	17	2.60E-05	0.0023	0.44564	0.39194	0.001213902	TSS	NR_046238	Rn5-8s
6	43683673	43683762	1	0.221758	5	3.90E-05	3.40E-05	0.46181	0.24005	0.001657791	Intragenic	NM_013026	Sdc1
6	110663387	110663495	1	0.1088	5	0.002	0.00098	0.50756	0.39876	0.023154472	Intergenic	NA	NA
6	113415423	113415517	1	0.07968	5	0.002	0.0092	0.54379	0.46411	0.023154472	Intergenic	NA	NA
6	117842024	117842144	1	-0.107224	5	0.0041	0.024	0.7874	0.89462	0.035065465	Intergenic	NA	NA
6	118813369	118813407	1	0.082797	5	0.00026	0.0018	0.41961	0.33682	0.006020163	Intergenic	NA	NA
6	135842331	135842385	1	-0.052773	6	0.00057	0.0003	0.026229	0.079002	0.010610196	TSS	NM_001142942:N M_001142941:N M_001007705	LOC10023317 6:LOC100233 176:Ubr7
6	141922862	141922959	1	0.211387	5	0.002	0.015	0.80774	0.59635	0.023154472	Intergenic	NA	NA

chr	start	stop	q-value	methyl.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
6	142896843	142896989	0.35	0.051961	18	3.20E-06	8.50E-07	0.38685	0.33489	0.000253156	TSS	NR_031785:NR_037363	Mir341:Mir1188
6	144521395	144521529	0.2	-0.12956	13	5.90E-08	5.00E-07	0.51347	0.64303	9.88E-06	Intragenic	NM_001137633	Tnfaip2
6	145189701	145189766	1	0.050489	7	0.0024	0.0035	0.9751	0.92461	0.025890909	Intragenic	NM_001100894	Wdr20
6	146630764	146630844	1	0.139742	7	0.00026	0.00014	0.59137	0.45163	0.006020163	Intergenic	NA	NA
7	14824156	14824194	1	0.090071	7	0.0039	0.0052	0.89645	0.80638	0.03449441	Intragenic	NM_173124	Cyp4f5
7	14923460	14923498	1	0.090071	7	0.0039	0.0052	0.89645	0.80638	0.03449441	Intragenic	NM_173124	Cyp4f5
7	22616230	22616362	1	0.125654	7	0.00065	0.019	0.67904	0.55339	0.011642767	Intergenic	NA	NA
7	26714184	26714291	1	0.073707	8	0.0054	0.0055	0.8127	0.73899	0.04272	Intragenic	NM_001108742	Slc41a2
7	29995603	29995641	1	0.06351	5	0.00036	0.024	0.071181	0.0076706	0.007708872	Intragenic	NM_001106778	Ano4
7	34465525	34465624	1	-0.114619	7	0.0002	0.0013	0.49187	0.60649	0.005085714	Intragenic	NM_001191781	Amdhd1
7	38986738	38986818	1	0.156206	5	0.00048	0.0055	0.85701	0.7008	0.009174765	TSS	NM_001025052	Ccer1
7	57675445	57675473	1	-0.08105	5	0.0019	0.0093	0.12845	0.2095	0.023154472	Intragenic	NM_001108991	Trhde
7	57675958	57675998	1	0.065981	5	0.00054	0.00027	0.10027	0.034287	0.010184901	Intragenic	NM_001108991	Trhde
7	68800475	68800540	1	0.053192	7	0.0059	0.074	0.093942	0.04075	0.046036164	Intergenic	NA	NA
7	100115982	100116065	1	0.052422	8	0.0013	0.0038	0.92554	0.87312	0.018238424	Intergenic	NA	NA
7	114146620	114146762	1	-0.096815	10	0.0013	0.0009	0.29497	0.39178	0.018238424	Intragenic	NM_001034156	Trappc9
7	117273694	117273766	1	-0.132812	5	3.90E-05	1.60E-05	0.013443	0.14626	0.001657791	TSS	NM_001164297:NM_001164296	Plec:Plec
7	117569110	117569159	1	0.143482	5	0.0027	0.0093	0.61811	0.47463	0.027462857	Intergenic	NA	NA
7	117571630	117571666	1	0.084945	5	0.0027	0.00097	0.15161	0.066667	0.027462857	Intragenic	NM_001130570	Scrt1
7	119222922	119222952	1	0.088085	5	0.0063	0.039	0.31026	0.22218	0.047592573	Intragenic	NM_053351	Cacng2
7	119613408	119613439	1	0.120138	5	0.0017	0.0031	0.7244	0.60426	0.022007273	TSS	NM_012808	Tst
7	122459180	122459256	1	-0.120373	5	0.0029	0.015	0.86255	0.98293	0.028284932	Intergenic	NA	NA
7	125933665	125933733	1	-0.087762	5	0.0063	0.024	0.56053	0.6483	0.047592573	Intergenic	NA	NA
7	129736250	129736292	1	0.075976	5	0.0011	0.00053	0.95603	0.88006	0.016934054	Intragenic	NM_199409	Panx2
7	130183168	130183230	1	0.089157	12	2.50E-06	0.00026	0.64773	0.55857	0.000215758	Intragenic	NM_021676	Shank3
7	134709925	134709987	1	0.14037	5	0.0013	0.0093	0.66035	0.51998	0.018238424	Intragenic	NM_001309489	Muc19
7	140496525	140496550	1	0.126078	5	0.00048	0.0018	0.27421	0.14813	0.009174765	Intergenic	NA	NA
7	141507249	141507356	1	0.070413	5	0.00072	0.0053	0.89591	0.82549	0.012503415	Intergenic	NA	NA
7	142720764	142720882	1	-0.077272	7	3.80E-06	9.70E-05	0.88954	0.96681	0.000292497	Intragenic	NM_001135088:NM_001135089:NM_001109470	Zfp385a:Zfp385a
8	59846168	59846261	1	-0.108432	11	2.20E-05	0.0001	0.4335	0.54193	0.001118857	Intragenic	NM_001100722	Lingo1
8	68672680	68672822	1	-0.160119	5	0.00072	0.00051	0.66803	0.82815	0.012503415	Intragenic	NM_001109002	Smad6
8	84287724	84287786	1	0.091158	5	0.0038	0.058	0.94949	0.85833	0.033926019	Intergenic	NA	NA
8	90428888	90429015	1	0.1131	8	0.002	0.069	0.80381	0.69071	0.023154472	Intergenic	NA	NA
8	90503610	90503737	1	0.1131	8	0.002	0.069	0.80381	0.69071	0.023154472	TSS	NM_001013954	Lca5
8	91108286	91108404	1	-0.055055	5	0.0029	0.038	0.92932	0.98437	0.028284932	Intragenic	NM_019267	Bckdhh

chr	start	stop	q-value	methy.diff	CpGs	pMWU	p2DKS	MCWLS	MCWHS	pMWU.fdr	cgi.type	transcript	gene
8	107532999	107533072	1	-0.058067	8	0.0052	0.049	0.11415	0.17222	0.041367598	TSS	NM_001106850	Sox14
8	111025338	111025403	1	-0.074498	5	2.90E-06	3.50E-05	0.77915	0.85365	0.000235977	Intragenic	NM_001108775	Rab6b
8	126108611	126108646	1	0.110577	5	0.00048	0.0018	0.73473	0.62415	0.009174765	Intergenic	NA	NA
8	126122612	126122647	1	0.110577	5	0.00048	0.0018	0.73473	0.62415	0.009174765	Intergenic	NA	NA
8	129134739	129134793	1	-0.099868	5	0.0011	0.0054	0.76118	0.86105	0.016934054	Intergenic	NA	NA
8	129236815	129236978	1	-0.103582	8	0.0013	0.012	0.1731	0.27668	0.018238424	Intragenic	NM_001134565	Trak1
9	1972722	1972744	1	-0.051868	5	0.0022	0.0018	0.039282	0.09115	0.024379767	TSS	NM_001106880	Plcl2
9	6514530	6514595	1	0.105664	5	0.0049	0.0092	0.48245	0.37679	0.039645455	Intergenic	NA	NA
9	6515153	6515246	1	0.127305	5	0.00065	0.025	0.8243	0.697	0.011642767	Intergenic	NA	NA
9	9626801	9626825	1	-0.124329	5	0.00019	0.00053	0.81171	0.93603	0.004874955	Intragenic	NM_019140	Ptprs
9	11340886	11340988	1	0.072197	8	0.00011	0.0016	0.2432	0.17101	0.003480889	Intergenic	NA	NA
9	15798883	15798936	1	-0.12804	9	1.50E-05	2.80E-05	0.094133	0.22217	0.000837647	Intergenic	NA	NA
9	25475930	25476053	1	0.059494	8	0.0042	0.13	0.21216	0.15267	0.035813174	Intergenic	NA	NA
9	65570258	65570368	1	-0.0691	10	0.0023	0.0077	0.39133	0.46043	0.02529112	TSS	NM_133560:NM_001109307	Trak2:Stradb
9	82151507	82151545	1	-0.056833	7	0.0022	0.019	0.015199	0.072032	0.024379767	TSS	NM_080582	Abcb6
9	88152939	88153040	1	0.091644	5	0.00039	0.0018	0.47301	0.38136	0.008107445	Intragenic	NM_001135759	Col4a3
9	113464173	113464373	1	-0.064573	10	0.00081	0.0083	0.16187	0.22644	0.013650178	Intergenic	NA	NA
9	113891829	113891911	1	0.177305	7	0.0017	0.0083	0.81809	0.64078	0.022007273	Intergenic	NA	NA
9	115022569	115022703	1	-0.145681	7	0.00011	0.0013	0.2699	0.41558	0.003480889	Intragenic	NM_001168632	Ptprm
X	9050350	9050509	1	0.158354	7	0.0011	0.0069	0.5941	0.43575	0.016934054	Intergenic	NA	NA
X	10997140	10997285	1	0.098205	21	5.00E-05	0.0014	0.59491	0.49671	0.002063768	Intragenic	NM_001100967	Nyx
X	88078478	88078593	1	0.050559	5	0.0063	0.0018	0.7309	0.68034	0.047592573	Intergenic	NA	NA
X	92992662	92992769	1	0.069792	5	0.002	0.024	0.87912	0.80933	0.023154472	Intragenic	NM_001271228	Pcdh11x
X	100637126	100637177	1	0.054397	5	0.0032	0.0092	0.95975	0.90535	0.030277741	Intergenic	NA	NA
X	118226193	118226214	1	0.055217	5	0.0063	0.015	0.076906	0.021689	0.047592573	TSS	NM_012765	Htr2c
X	119304850	119304930	1	0.07069	8	9.90E-05	0.0015	0.35544	0.28475	0.003273563	Intergenic	NA	NA
X	119678118	119678198	1	0.07069	8	9.90E-05	0.0015	0.35544	0.28475	0.003273563	Intergenic	NA	NA
X	134618094	134618150	1	0.113495	7	0.0026	0.078	0.36167	0.24817	0.027462857	Intergenic	NA	NA

Figure 3C MCWLS

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
42987	0.73421	0.067793	-0.666417	1.97E-09	Yes	42987	276.094	54.738	-2.3345449	276.095	54.739	-2.3345238	0.00022079	Yes
Adcy3	0.16712	0.026579	-0.140541	7.99E-06	Yes	Adcy3	13.2496	1.21189	-3.4506181	13.2506	1.21289	-3.4495371	0.00909283	Yes
Adora2a	0.54787	0.11852	-0.42935	1.31E-06	Yes	Adora2a	10.2919	3.30159	-1.6402765	10.2929	3.30259	-1.6399797	0.00164037	Yes
Aes	0.0043408	0.1022	0.0978592	0.0001571	Yes	Aes	198.247	364.423	0.87831498	198.248	364.424	0.87831166	0.0194084	Yes
Aff3	0.97008	0.62337	-0.34671	3.82E-07	Yes	Aff3	13.911	2.38329	-2.5451997	13.912	2.38429	-2.5446982	0.00022079	Yes
Agap2	0.87716	0.109	-0.76816	1.81E-12	Yes	Agap2	21.106	1.41827	-3.8954491	21.107	1.41927	-3.8945006	0.00022079	Yes
Amigo2	0.81457	0.58855	-0.22602	0.00010222	Yes	Amigo2	1.42934	0.347659	-2.0396043	1.43034	0.348659	-2.0364695	0.0387563	Yes
Ankra2	0.11714	0.049796	-0.067344	3.98E-06	Yes	Ankra2	14.4618	7.03875	-1.038856	14.4628	7.03975	-1.0387508	0.0162859	Yes
Arf6	0.15881	0.056561	-0.102249	0.01406934	Yes	Arf6	193.162	65.0906	-1.5692902	193.163	65.0916	-1.5692755	0.00022079	Yes
Arhgef25	0.093503	0.30365	0.210147	7.75E-05	Yes	Arhgef25	0.462311	3.39174	2.87508999	0.463311	3.39274	2.87239803	0.00407863	Yes
Atmin	0.30319	0.14814	-0.15505	1.81E-12	Yes	Atmin	8.94429	4.91943	-0.8624758	8.94529	4.92043	-0.8623439	0.0308614	Yes
Bcl2l11	0.073372	0.020624	-0.052748	0.00320916	Yes	BCL2L11	9.33052	2.61068	-1.8375319	9.33152	2.61168	-1.837134	0.00022079	Yes
Bdh1	0.017736	0.13631	0.118574	5.49E-05	Yes	Bdh1	16.6124	30.123	0.85860494	16.6134	30.124	0.85856599	0.0438233	Yes
Cactin	0.8182	0.65887	-0.15933	0.00034271	Yes	Cactin	32.7639	9.83446	-1.7361894	32.7649	9.83546	-1.7360867	0.00022079	Yes
Cbs	0.10448	0.2549	0.15042	0.04101176	Yes	Cbs	0.0567727	45.6388	9.65084779	0.0577727	45.6398	9.62568883	0.00022079	Yes
Ccnjl	0.13262	0.039592	-0.093028	0.00636684	Yes	Ccnjl	2.87696	0.555101	-2.373723	2.87796	0.556101	-2.3716277	0.00164037	Yes
Cdc20	0	0.085685	0.085685	4.45E-05	Yes	Cdc20	0.859802	5.17824	2.59038546	0.860802	5.17924	2.58898708	0.00096553	Yes
Cflar	0.81806	0.17162	-0.64644	5.43E-10	Yes	CFLAR	97.1321	27.4182	-1.8248143	97.1331	27.4192	-1.8247765	0.00096553	Yes
Chmp4bl1	0.29408	0.088818	-0.205262	7.37E-11	Yes	Chmp4bl1	172.21	105.715	-0.7039888	172.211	105.716	-0.7039836	0.0388459	Yes
Cyld	0.87284	0.60074	-0.2721	2.50E-05	Yes	Cyld	28.1636	6.30455	-2.1593665	28.1646	6.30555	-2.1591889	0.00022079	Yes
Ddx21	0.069172	0	-0.069172	3.82E-07	Yes	Ddx21	47.4905	6.72901	-2.8191728	47.4915	6.73001	-2.8189888	0.00022079	Yes
Ddx54	0.82135	0.26923	-0.55212	3.38E-09	Yes	Ddx54	26.6929	15.3961	-0.7938911	26.6939	15.3971	-0.7938515	0.0153152	Yes
Ddx6	0.20959	0.063291	-0.146299	2.78E-11	Yes	Ddx6	89.6667	19.9873	-2.1654887	89.6677	19.9883	-2.1654326	0.00022079	Yes
Depdc5	0.86851	0.43774	-0.43077	4.83E-07	Yes	Depdc5	9.72313	4.40673	-1.1417123	9.72413	4.40773	-1.1415333	0.00422081	Yes
Dffb	0.79044	0.6145	-0.17594	0.0021362	Yes	Dffb	11.4604	5.20408	-1.1389424	11.4614	5.20508	-1.138791	0.0123897	Yes
Eef1g	0.84266	0.24159	-0.60107	7.25E-09	Yes	Eef1g	1393.45	345.102	-2.0135665	1393.451	345.103	-2.0135634	0.00022079	Yes
Eef2	0.10307	0.015113	-0.087957	2.44E-07	Yes	Eef2	1775.35	425.593	-2.0605571	1775.351	425.594	-2.0605546	0.0497157	Yes
Eng	0.10919	0.36694	0.25775	7.27E-07	Yes	Eng	0.109428	18.7733	7.42255653	0.110428	18.7743	7.40950928	0.00565535	Yes
Epb41l4b	0.070028	0.23057	0.160542	6.77E-07	Yes	Epb41l4b	0	16.189	inf	0.001	16.19	13.9828154	0.00022079	Yes
Etaa1	0.50629	0.24906	-0.25723	1.81E-12	Yes	Etaa1	9.846	1.78743	-2.461651	9.847	1.78843	-2.4609906	0.00022079	Yes
Fam101b	0.2458	0.09575	-0.15005	1.81E-12	Yes	Fam101b	56.3523	7.61961	-2.8866854	56.3533	7.62061	-2.8865217	0.00022079	Yes
Fam189b	0.37632	0.12623	-0.25009	3.07E-06	Yes	Fam189b	178.156	14.4004	-3.6289603	178.157	14.4014	-3.6288682	0.00022079	Yes
Fbxo46	0.61484	0.16204	-0.4528	7.31E-08	Yes	Fbxo46	6.33986	2.62546	-1.2718808	6.34086	2.62646	-1.2715589	0.00242102	Yes
Fhod1	0.49564	0.13274	-0.3629	0.00011578	Yes	Fhod1	25.77	14.3238	-0.8472783	25.771	14.3248	-0.8472335	0.0448987	Yes
Gcnt2	0.022434	0.17448	0.152046	5.42E-11	Yes	Gcnt2	0.0623076	18.0045	8.17473367	0.0633076	18.0055	8.15184324	0.00022079	Yes
Gna15	0.13317	0.37931	0.24614	5.45E-07	Yes	Gna15	3.76274	10.5268	1.48421143	3.76374	10.5278	1.48396511	0.00333723	Yes
Gpc1	0.016271	0.092087	0.075816	0.00017491	Yes	Gpc1	0.101404	3.71961	5.1969649	0.102404	3.72061	5.1831952	0.00164037	Yes
Gramd1b	0.00099364	0.07641	0.07541636	1.81E-12	Yes	Gramd1b	6.93057	20.2502	1.54689024	6.93157	20.2512	1.54675333	0.00333723	Yes
Gtf2ird1	0.049907	0.11754	0.067633	0.01660198	Yes	Gtf2ird1	5.1461	11.1357	1.11364085	5.1471	11.1367	1.11349008	0.0448987	Yes
Hk1	0.026853	0.142	0.115147	2.29E-05	Yes	Hk1	29.1667	72.8115	1.31984417	29.1677	72.8125	1.31981452	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hnrnpa3	0.64133	0.37463	-0.2667	0.0002817	Yes	Hnrnpa3	8.25041	3.12092	-1.4024944	8.25141	3.12192	-1.4022071	0.0249599	Yes
Hoxa2	0.14325	0.35743	0.21418	4.55E-07	Yes	Hoxa2	0	2.66685	inf	0.001	2.66785	11.3814618	0.00022079	Yes
Hoxc5	0.05174	0.16028	0.10854	4.67E-09	Yes	Hoxc5	3.60187	28.5937	2.9888793	3.60287	28.5947	2.98852927	0.00022079	Yes
Hoxd3	0.13752	0.41578	0.27826	6.38E-06	Yes	Hoxd3	0	19.0078	inf	0.001	19.0088	14.2143798	0.00022079	Yes
Hspa2	0.024535	0.12149	0.096955	0.00113933	Yes	Hspa2	0.354669	33.7575	6.57259102	0.355669	33.7585	6.56857176	0.00113657	Yes
Ifi30	0.19925	0.32283	0.12358	0.02144384	Yes	Ifi30	12.9994	89.3143	2.78044615	13.0004	89.3153	2.78035132	0.00022079	Yes
Il27ra	0.78925	0.34727	-0.44198	6.38E-06	Yes	Il27ra	33.1731	0.801336	-5.3714627	33.1741	0.802336	-5.369707	0.00022079	Yes
Ino80d	0.93172	0.18557	-0.74615	3.82E-07	Yes	Ino80d	11.5725	2.49259	-2.2149831	11.5735	2.49359	-2.214529	0.0276556	Yes
Irf4	0.32296	0.11283	-0.21013	0.0074695	Yes	Irf4	1.99652	0.342971	-2.541329	1.99752	0.343971	-2.5378511	0.00257873	Yes
Irs2	0.13486	0.0053571	-0.1295029	6.26E-05	Yes	Irs2	9.75389	5.07288	-0.9431727	9.75489	5.07388	-0.9430362	0.0117698	Yes
Irx5	0.0026568	0.082606	0.0799492	0.04318305	Yes	Irx5	0	15.0591	inf	0.001	15.0601	13.8784437	0.00022079	Yes
Kat2a	0.46372	0.33482	-0.1289	0.02616573	Yes	Kat2a	29.6629	9.57978	-1.6305952	29.6639	9.58078	-1.6304933	0.00022079	Yes
Kbtbd8	0.53742	0.27906	-0.25836	0.00290027	Yes	Kbtbd8	2.96049	0.994297	-1.5740872	2.96149	0.995297	-1.5731242	0.0182773	Yes
Kdm2a	0.1155	0.019661	-0.095839	2.59E-07	Yes	Kdm2a	58.3659	15.8237	-1.8830387	58.3669	15.8247	-1.8829723	0.00022079	Yes
Kif3c	0.66955	0.26336	-0.40619	1.67E-06	Yes	Kif3c	3.0723	1.02723	-1.5805599	3.0733	1.02823	-1.5796256	0.00949299	Yes
Klhl29	0.061649	0.24656	0.184911	1.03E-05	Yes	Klhl29	0.0655684	1.00387	3.93642795	0.0665684	1.00487	3.91602757	0.00494367	Yes
Lats2	0.082156	0.2469	0.164744	0.0002817	Yes	Lats2	0.0587648	14.6483	7.96156529	0.0597648	14.6493	7.93731999	0.00060553	Yes
Map4k2	0.87161	0.0965	-0.77511	3.82E-07	Yes	Map4k2	52.8373	6.47517	-3.0285668	52.8383	6.47617	-3.0283713	0.00022079	Yes
Mettl7a	0.0062926	0.090864	0.0845714	2.29E-05	Yes	Mettl7a	12.7686	30.4343	1.25309783	12.7696	30.4353	1.25303225	0.00180113	Yes
Mex3b	0.14025	0.059613	-0.080637	0.00553374	Yes	Mex3b	5.85899	0.594152	-3.301748	5.85999	0.595152	-3.2995681	0.00022079	Yes
Naa25	0.33293	0.11773	-0.2152	4.83E-07	Yes	Naa25	10.451	3.67232	-1.5088773	10.452	3.67332	-1.5086225	0.00041963	Yes
Nfkb1	0.088787	0.023492	-0.065295	7.75E-05	Yes	Nfkb1	54.1761	18.5444	-1.546673	54.1771	18.5454	-1.5466218	0.00022079	Yes
Nfkbia	0.31782	0.081957	-0.235863	0.00146579	Yes	Nfkbia	136.026	70.5518	-0.9471276	136.027	70.5528	-0.9471178	0.00422081	Yes
Nlk	0.11502	0.047135	-0.067885	2.32E-08	Yes	Nlk	21.3691	7.74561	-1.4640754	21.3701	7.74661	-1.4639566	0.00022079	Yes
Nr4a2	0.12948	0.24388	0.1144	0.00334577	Yes	Nr4a2	0.335009	2.51005	2.90544434	0.336009	2.51105	2.90171897	0.0208857	Yes
Nt5c3a	0.81028	0.73877	-0.07151	0.00813698	Yes	Nt5c3a	26.2634	13.3865	-0.9722749	26.2644	13.3875	-0.9722221	0.011893	Yes
Ntng2	0.49291	0.079397	-0.413513	1.81E-12	Yes	Ntng2	60.2538	1.88098	-5.0014958	60.2548	1.88198	-5.000753	0.00022079	Yes
Olfm1	0.28554	0.10597	-0.17957	0.01155321	Yes	Olfm1	7.92036	2.67408	-1.5665234	7.92136	2.67508	-1.5661661	0.00536605	Yes
Orc2	0.89238	0.7468	-0.14558	0.00049864	Yes	Orc2	26.7904	10.1856	-1.3951852	26.7914	10.1866	-1.3950974	0.00022079	Yes
Pced1b	0.74467	0.4694	-0.27527	0.00135614	Yes	Pced1b	47.2332	4.07074	-3.5364383	47.2342	4.07174	-3.5361145	0.00022079	Yes
Pde2a	0.38631	0.22188	-0.16443	0.0007628	Yes	Pde2a	103.888	4.80087	-4.4355893	103.889	4.80187	-4.4353027	0.00022079	Yes
Pde4d	0.36846	0.089169	-0.279291	3.82E-07	Yes	Pde4d	66.7651	4.75914	-3.8103214	66.7661	4.76014	-3.8100399	0.00022079	Yes
Pdlim2	0.26966	0.09044	-0.17922	2.79E-05	Yes	Pdlim2	50.629	25.6933	-0.9785718	50.63	25.6943	-0.9785441	0.0138632	Yes
Peli1	0.11818	0.054886	-0.063294	4.28E-07	Yes	Peli1	37.5499	8.283	-2.1805838	37.5509	8.284	-2.180448	0.00022079	Yes
Pik3cd	0.88252	0.13257	-0.74995	1.81E-12	Yes	Pik3cd	318.476	17.8193	-4.1596721	318.477	17.8203	-4.1595957	0.00378481	Yes
Pld4	0.37306	0.69895	0.32589	0.00017491	Yes	Pld4	0.747938	16.3285	4.44832977	0.748938	16.3295	4.44649052	0.00022079	Yes
Pou2f2	0.71302	0.37057	-0.34245	4.99E-05	Yes	POU2F2	4.54816	0.674559	-2.7532665	4.54916	0.675559	-2.7514465	0.00022079	Yes
Ppan	0.70375	0.61543	-0.08832	0.04985963	Yes	Ppan	47.1858	25.399	-0.8935811	47.1868	25.4	-0.8935548	0.0117698	Yes
Ppp1cc	0.81865	0.73627	-0.08238	0.04531279	Yes	PPP1CC	224.443	129.24	-0.7962964	224.444	129.241	-0.7962917	0.0350649	Yes
Prdm1	0.27783	0.13862	-0.13921	0.00934082	Yes	Prdm1	1.56331	0.421076	-1.8924513	1.56431	0.422076	-1.8899517	0.00164037	Yes
Prrc2c	0.41971	0.10623	-0.31348	3.82E-07	Yes	Prrc2c	37.132	10.7407	-1.789575	37.133	10.7417	-1.7894795	0.00078858	Yes
Ptk7	0.0056914	0.091924	0.0862326	1.81E-12	Yes	Ptk7	0.0586288	5.77651	6.62244478	0.0596288	5.77751	6.59829474	0.00480115	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ptprs	0.78419	0.1429	-0.64129	3.70E-09	Yes	Ptprs	26.543	5.39421	-2.2988478	26.544	5.39521	-2.2986348	0.00022079	Yes
Pwp2	0.38655	0.089291	-0.297259	0.0002817	Yes	Pwp2	14.3667	6.05124	-1.247426	14.3677	6.05224	-1.247288	0.00211842	Yes
Pwwp2b	0.13123	0.24942	0.11819	0.00568595	Yes	Pwwp2b	0.0668975	16.7167	7.96512206	0.0678975	16.7177	7.94380221	0.00060553	Yes
Pygb	0.017624	0.094326	0.076702	0.00181792	Yes	Pygb	5.36592	20.2739	1.91772619	5.36692	20.2749	1.91752851	0.00022079	Yes
Rassf5	0.76841	0.52846	-0.23995	0.00244273	Yes	Rassf5	55.5765	10.8616	-2.3552383	55.5775	10.8626	-2.3551315	0.00022079	Yes
Rbm3	0.56676	0.12001	-0.44675	0.00049864	Yes	Rbm3	270.592	63.5995	-2.0890319	270.593	63.6005	-2.0890145	0.00022079	Yes
Ret	0.20526	0.069496	-0.135764	0.00135614	Yes	RET	12.0817	0.481171	-4.65013	12.0827	0.482171	-4.6472542	0.00060553	Yes
Rfx3	0.27559	0.068906	-0.206684	0.0007955	Yes	Rfx3	6.01662	1.45124	-2.0516671	6.01762	1.45224	-2.0509131	0.00078858	Yes
Rpl10a	0.21154	0.059601	-0.151939	0.0022928	Yes	Rpl10a	1953.24	679.199	-1.523963	1953.241	679.2	-1.5239616	0.00041963	Yes
Rpl13	0.76137	0.46251	-0.29886	1.43E-10	Yes	Rpl13	4218.8	1420.91	-1.5700175	4218.801	1420.911	-1.5700168	0.0142227	Yes
Rpl18a	0.88797	0.66706	-0.22091	2.48E-06	Yes	Rpl18a	6277.05	2345.7	-1.4200682	6277.051	2345.701	-1.4200678	0.0147132	Yes
Rpl6	0.87103	0.56775	-0.30328	1.86E-08	Yes	Rpl6	908.611	172.13	-2.4001642	908.612	172.131	-2.4001574	0.00022079	Yes
Rps10	0.4844	0.34086	-0.14354	0.00063341	Yes	Rps10	2437.37	952.093	-1.3561509	2437.371	952.094	-1.3561499	0.00242102	Yes
Rps15	0.43302	0.11905	-0.31397	0.00021466	Yes	Rps15	5786.95	2484.47	-1.2198651	5786.951	2484.471	-1.2198647	0.0467065	Yes
Rps17	0.64673	0.3283	-0.31843	3.28E-10	Yes	Rps17	6848.6	2115.27	-1.6949673	6848.601	2115.271	-1.6949668	0.0019604	Yes
Rps29	0.39193	0.13017	-0.26176	2.29E-12	Yes	RPS29	42.9581	9.57115	-2.166166	42.9591	9.57215	-2.1660489	0.00022079	Yes
Runx1	0.45118	0.099709	-0.351471	3.03E-12	Yes	Runx1	24.4447	2.77086	-3.141116	24.4457	2.77186	-3.1406544	0.00022079	Yes
Runx3	0.69362	0.066112	-0.627508	4.45E-05	Yes	Runx3	37.2684	5.07468	-2.8765641	37.2694	5.07568	-2.8763186	0.00022079	Yes
Scaf11	0.17126	0.015977	-0.155283	0.00017491	Yes	Scaf11	33.9521	14.2146	-1.2561273	33.9531	14.2156	-1.2560683	0.00113657	Yes
Scrn1	0.17775	0.087597	-0.090153	0.02257431	Yes	Scrn1	15.8213	3.06235	-2.3691571	15.8223	3.06335	-2.3687772	0.00022079	Yes
Sec23ip	0.62624	0.33017	-0.29607	0.00553374	Yes	Sec23ip	21.438	9.99741	-1.100544	21.439	9.99841	-1.100467	0.00164037	Yes
Sertad4	0.39319	0.5961	0.20291	0.00866691	Yes	Sertad4	0	1.82659	inf	0.001	1.82759	10.8357267	0.00022079	Yes
Sh3gl1	0.2334	0.13065	-0.10275	0.00123983	Yes	Sh3gl1	44.6197	22.6359	-0.9790681	44.6207	22.6369	-0.9790367	0.0362414	Yes
Shank2	0.046063	0.26821	0.222147	1.81E-12	Yes	Shank2	0	7.97969	inf	0.001	7.98069	12.9622978	0.00022079	Yes
Skp2	0.22784	0.048729	-0.179111	0.0017676	Yes	Skp2	4.66421	0.90001	-2.3736198	4.66521	0.90101	-2.372327	0.00041963	Yes
Slc12a5	0.055253	0.013698	-0.041555	4.99E-05	Yes	Slc12a5	2.43575	0.261857	-3.217515	2.43675	0.262857	-3.2126082	0.00304332	Yes
Slc44a2	0.63236	0.13562	-0.49674	1.74E-09	Yes	Slc44a2	220.739	22.8099	-3.2746095	220.74	22.8109	-3.2745528	0.00022079	Yes
Smarcc1	0.35686	0.073629	-0.283231	2.83E-08	Yes	Smarcc1	25.1123	10.6821	-1.2331989	25.1133	10.6831	-1.2331213	0.00113657	Yes
Smim3	0.001	0.29214	0.29114	0.0001571	Yes	Smim3	2.90943	28.5842	3.29640947	2.91043	28.5852	3.29596416	0.0100165	Yes
Smyd2	0.77331	0.10828	-0.66503	1.67E-06	Yes	Smyd2	97.6863	44.5322	-1.1333074	97.6873	44.5332	-1.1332897	0.0123897	Yes
Socs3	0.057259	0.36474	0.307481	7.75E-05	Yes	Socs3	27.8729	82.3398	1.56272683	27.8739	82.3408	1.56269259	0.00022079	Yes
Sstr3	0.32026	0.093848	-0.226412	0.01333327	Yes	Sstr3	15.0805	1.70183	-3.1475254	15.0815	1.70283	-3.1467736	0.00022079	Yes
Stx16	0.30491	0.19431	-0.1106	0.03531391	Yes	Stx16	26.3203	13.064	-1.0105792	26.3213	13.065	-1.0105236	0.00422081	Yes
Syk	0.0751	0.46278	0.38768	1.74E-09	Yes	Syk	2.8294	5.73338	1.01888975	2.8304	5.73438	1.01863156	0.0261671	Yes
Tbkbp1	0.3291	0.073952	-0.255148	0.00510288	Yes	Tbkbp1	4.35055	1.63021	-1.41614	4.35155	1.63121	-1.4155868	0.0106524	Yes
Tbx2	0.070251	0.21492	0.144669	0.00197715	Yes	Tbx2	0.0545455	10.2363	7.55201844	0.0555455	10.2373	7.52594951	0.00422081	Yes
Tcf21	0.13313	0.21376	0.08063	0.00799193	Yes	Tcf21	0	3.87648	inf	0.001	3.87748	11.9209036	0.00022079	Yes
Tifa	0.028967	0.1072	0.078233	0.0074695	Yes	Tifa	1.88602	15.2602	3.01635699	1.88702	15.2612	3.01568679	0.00579147	Yes
Tmem163	0.078105	0.025944	-0.052161	0.01078302	Yes	Tmem163	9.32282	0.174666	-5.7380957	9.32382	0.175666	-5.7300143	0.00348745	Yes
Tpt1	0.36122	0.17033	-0.19089	0.00018672	Yes	Tpt1	12932.3	3194.51	-2.0173123	12932.301	3194.511	-2.017312	0.0130042	Yes
Ttc22	0.13348	0.28063	0.14715	0.00135614	Yes	Ttc22	0.372369	4.11756	3.4669848	0.373369	4.11856	3.46346595	0.00022079	Yes
Tuba8	0.022956	0.077382	0.054426	0.0074695	Yes	Tuba8	0.297139	3.71136	3.64273807	0.298139	3.71236	3.63827961	0.0182773	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Twf2	0.33432	0.13821	-0.19611	0.00510288	Yes	Twf2	55.0623	11.2896	-2.2860705	55.0633	11.2906	-2.2859689	0.00022079	Yes
Utp15	0.12326	0.050251	-0.073009	8.60E-07	Yes	Utp15	9.62106	4.65319	-1.0479758	9.62206	4.65419	-1.0478157	0.00579147	Yes
Zfp148	0.13172	0.02557	-0.10615	0.0074695	Yes	Zfp148	23.1113	8.59952	-1.4262704	23.1123	8.60052	-1.426165	0.00257873	Yes
Zfp3	0.57156	0.27463	-0.29693	0.01155321	Yes	Zfp3	9.49784	5.19929	-0.8692848	9.49884	5.20029	-0.8691593	0.0490106	Yes
Zfp385a	0.065646	0.26085	0.195204	0.00113933	Yes	Zfp385a	0.214086	9.11872	5.41256897	0.215086	9.11972	5.406004	0.00022079	Yes
Aard	0.19675	0.058958	-0.137792	0.0022928	Yes	Aard	0	1.14596	inf	0.001	1.14696	10.1635994	0.00022079	Yes
Abcb9	0.62736	0.22706	-0.4003	0.00011578	Yes	Abcb9	0.0340201	3.27047	6.58696679	0.0350201	3.27147	6.54561203	0.0019604	Yes
Abcc8	0.070447	0	-0.070447	4.32E-06	Yes	Abcc8	0	1.55069	inf	0.001	1.55169	10.5996246	0.00022079	Yes
Abhd14a	0.13902	0.033063	-0.105957	5.03E-06	Yes	Abhd14a	2.31273	51.6415	4.48086215	2.31373	51.6425	4.48026642	0.0344255	Yes
Abhd8	0.42821	0.22037	-0.20784	0.00046099	Yes	Abhd8	6.20134	15.5031	1.32190483	6.20234	15.5041	1.32176526	0.00242102	Yes
Abo	0.19324	0.047921	-0.145319	0.0190918	Yes	Abo	0	7.21124	inf	0.001	7.21224	12.8162317	0.00022079	Yes
Acbd4	0.94458	0.26968	-0.6749	5.45E-07	Yes	Acbd4	11.4356	40.6949	1.83131594	11.4366	40.6959	1.83122524	0.00022079	Yes
Acer2	0.22506	0.072671	-0.152389	0.00934082	Yes	Acer2	0.0576656	13.8456	7.90750091	0.0586656	13.8466	7.88280126	0.00022079	Yes
Acot12	0.58025	0.1367	-0.44355	3.82E-07	Yes	Acot12	0	1.99947	inf	0.001	2.00047	10.9661233	0.00022079	Yes
Adam15	0.71879	0.098031	-0.620759	1.81E-12	Yes	Adam15	0.118782	21.2808	7.48509235	0.119782	21.2818	7.47306524	0.0387563	Yes
Adamts15	0.086875	0.029509	-0.057366	0.00148947	Yes	Adamts15	0	2.3262	inf	0.001	2.3272	11.1843795	0.00022079	Yes
Adra2b	0.075741	0.018464	-0.057277	7.02E-06	Yes	Adra2b	0	4.98247	inf	0.001	4.98347	12.2829349	0.00022079	Yes
Agmat	0.62963	0.12052	-0.50911	8.25E-10	Yes	Agmat	0	42.5687	inf	0.001	42.5697	15.3775393	0.0432137	Yes
Ahnak	0.40944	0.13445	-0.27499	0.00011578	Yes	AHNAK	10.6079	21.1699	0.99687537	10.6089	21.1709	0.99680753	0.00536605	Yes
Akap12	0.66216	0.09631	-0.56585	4.78E-09	Yes	Akap12	0.160989	37.1252	7.84929287	0.161989	37.1262	7.840398	0.00022079	Yes
Aldoa	0.61093	0.2156	-0.39533	3.61E-06	Yes	Aldoa	134.17	1016.59	2.92160391	134.171	1016.591	2.92159458	0.00022079	Yes
Amn	0.17471	0.023301	-0.151409	0.01000157	Yes	Amn	0.0585359	31.4755	9.07069188	0.0595359	31.4765	9.04629954	0.00579147	Yes
Amotl2	0.13894	0.031933	-0.107007	3.48E-07	Yes	Amotl2	0.0816331	67.1176	9.68332117	0.0826331	67.1186	9.66577712	0.00022079	Yes
Ampd3	0.74236	0.40185	-0.34051	0.00113933	Yes	Ampd3	1.02979	20.6808	4.32786992	1.03079	20.6818	4.3265394	0.00022079	Yes
Ank3	0.76892	0.13168	-0.63724	2.29E-09	Yes	Ank3	0.1059	40.2337	8.56955802	0.1069	40.2347	8.55603461	0.00022079	Yes
Anxa6	0.0043003	0.17233	0.1680297	0.00049864	Yes	Anxa6	208.733	61.9512	-1.7524546	208.734	61.9522	-1.7524382	0.00022079	Yes
Ap1m2	0.53647	0.11417	-0.4223	2.15E-11	Yes	Ap1m2	0.723494	56.0274	6.27500768	0.724494	56.0284	6.27304074	0.00022079	Yes
Apoe	0.35455	0.065196	-0.289354	1.28E-05	Yes	Apoe	11.3858	307.319	4.7544294	11.3868	307.32	4.75430739	0.00022079	Yes
Arhgap25	0	0.25273	0.25273	4.45E-05	Yes	Arhgap25	41.7013	5.82458	-2.8398664	41.7023	5.82558	-2.8396534	0.00022079	Yes
Arhgap8	0.58269	0.20058	-0.38211	1.02E-08	Yes	Arhgap8	0	11.0531	inf	0.001	11.0541	13.4322939	0.00022079	Yes
Arhgef15	0.59674	0.13757	-0.45917	5.85E-10	Yes	Arhgef15	0.231241	6.59478	4.83385541	0.232241	6.59578	4.82784868	0.00318754	Yes
Arhgef3	0.0032232	0.096897	0.0936738	3.92E-06	Yes	Arhgef3	88.691	17.1802	-2.3680409	88.692	17.1812	-2.3679732	0.00022079	Yes
Arhgef37	0.6223	0.31524	-0.30706	0.00049864	Yes	Arhgef37	0	1.52533	inf	0.001	1.52633	10.5758512	0.00022079	Yes
Arl4d	0.41186	0.093502	-0.318358	1.81E-12	Yes	Arl4d	3.14785	47.6272	3.91934703	3.14885	47.6282	3.91891909	0.00022079	Yes
Art4	0.058977	0.30825	0.249273	1.28E-05	Yes	Art4	39.4865	0.943209	-5.3876382	39.4875	0.944209	-5.386146	0.00022079	Yes
Arvcf	0.12544	0.023941	-0.101499	0.00014343	Yes	Arvcf	2.09883	13.6888	2.70533876	2.09983	13.6898	2.70475693	0.00022079	Yes
Asb2	0.71746	0.10827	-0.60919	9.69E-09	Yes	Asb2	0.69662	14.0988	4.33905667	0.69762	14.0998	4.33708949	0.00022079	Yes
Atg4d	0.16242	0.036863	-0.125557	0.0190918	Yes	Atg4d	12.6757	39.3446	1.63410022	12.6767	39.3456	1.63402308	0.00363736	Yes
Atp11a	0.080844	0.010277	-0.070567	0.00010392	Yes	Atp11a	10.4375	67.7924	2.69934735	10.4385	67.7934	2.69923041	0.00022079	Yes
Atp2a3	0	0.079622	0.079622	4.45E-05	Yes	Atp2a3	105.109	24.1598	-2.1212058	105.11	24.1608	-2.1211598	0.00060553	Yes
Atp5g1	0.2797	0.045779	-0.233921	4.68E-10	Yes	Atp5g1	88.6317	907.227	3.35556889	88.6327	907.228	3.3555542	0.00022079	Yes
Atp5g3	0.14145	0.029426	-0.112024	0.0021362	Yes	ATP5G3	220.326	1540.78	2.80594922	220.327	1540.781	2.80594361	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Atp6v1c2	0.16931	0.042145	-0.127165	3.48E-07	Yes	Atp6v1c2	1.77797	13.6413	2.93967825	1.77897	13.6423	2.93897281	0.00022079	Yes
Atp6v1g2	0.070585	0.020566	-0.050019	1.82E-05	Yes	Atp6v1g2	0	3.23209	inf	0.001	3.23309	11.658698	0.0107821	Yes
Auh	0.8354	0.66216	-0.17324	0.00197715	Yes	AUH	22.7118	66.8619	1.5577423	22.7128	66.8629	1.55770036	0.00022079	Yes
Axin2	0.0005144	0.05828	0.0577656	1.07E-06	Yes	Axin2	23.247	1.11193	-4.3859067	23.248	1.11293	-4.3846718	0.00022079	Yes
B3gnt7	0.46503	0.1591	-0.30593	7.75E-05	Yes	B3gnt7	0.70443	8.07935	3.51971097	0.70543	8.08035	3.51784295	0.00022079	Yes
Bcat2	0.4543	0.17474	-0.27956	0.00276056	Yes	Bcat2	16.2384	59.2549	1.86752497	16.2394	59.2559	1.86746048	0.00022079	Yes
Bhmt	0.79174	0.2789	-0.51284	1.81E-12	Yes	Bhmt	0.464238	30.2698	6.02687071	0.465238	30.2708	6.02381405	0.00022079	Yes
Bhmt2	0.66376	0.12566	-0.5381	7.02E-06	Yes	Bhmt2	0	82.7527	inf	0.001	82.7537	16.3365362	0.00022079	Yes
Bmp4	0.15877	0.028491	-0.130279	0.00066856	Yes	Bmp4	0.344202	30.8565	6.48617514	0.345202	30.8575	6.48203655	0.00022079	Yes
Btbd3	0.69015	0.05301	-0.63714	1.12E-07	Yes	Btbd3	0.814803	7.26928	3.15728928	0.815803	7.27028	3.15571821	0.00022079	Yes
C1qtnf3	0.68988	0.15587	-0.53401	4.45E-05	Yes	C1qtnf3	0	4.94664	inf	0.001	4.94764	12.2725248	0.00022079	Yes
C1r	0.51819	0.20054	-0.31765	0.01155321	Yes	C1r	0.2615	6.07005	4.53682555	0.2625	6.07105	4.53155673	0.00113657	Yes
Calcr	0.21221	0.095339	-0.116871	0.0365298	Yes	Calcr	0	2.36119	inf	0.001	2.36219	11.2059093	0.00022079	Yes
Camk2n1	0.33979	0.16627	-0.17352	0.01078302	Yes	Camk2n1	1.60862	112.627	6.12958535	1.60962	112.628	6.12870159	0.00130998	Yes
Capn2	0.1017	0.038071	-0.063629	0.00934082	Yes	Capn2	25.8657	54.4056	1.07271492	25.8667	54.4066	1.07268566	0.00041963	Yes
Car3	0.10778	0.017855	-0.089925	8.11E-07	Yes	Car3	0	4.38412	inf	0.001	4.38512	12.0984006	0.00022079	Yes
Car4	0.13116	0.011454	-0.119706	0.00012978	Yes	Car4	0	79.7557	inf	0.001	79.7567	16.2833181	0.00022079	Yes
Card10	0.92354	0.21003	-0.71351	3.82E-07	Yes	Card10	0.0319977	19.4142	9.24492834	0.0329977	19.4152	9.20060538	0.00211842	Yes
Casr	0.19404	0.048109	-0.145931	1.44E-07	Yes	Casr	0	35.822	inf	0.001	35.823	15.1285985	0.00022079	Yes
Cbx2	0	0.14328	0.14328	4.32E-06	Yes	Cbx2	18.3226	1.06391	-4.1061762	18.3236	1.06491	-4.1048996	0.00022079	Yes
Ccbl1	0.71967	0.40902	-0.31065	2.88E-05	Yes	Ccbl1	27.875	110.823	1.99121362	27.876	110.824	1.99117488	0.00022079	Yes
Ccdc64b	0.13795	0.049519	-0.088431	0.00074247	Yes	Ccdc64b	0.221015	7.34075	5.05371128	0.222015	7.34175	5.04739493	0.00022079	Yes
Ccl28	0.6921	0.45524	-0.23686	0.00799193	Yes	Ccl28	0	6.68331	inf	0.001	6.68431	12.7065629	0.00022079	Yes
Cd151	0.79269	0.14634	-0.64635	1.81E-12	Yes	Cd151	0.581363	2.54398	2.12957617	0.582363	2.54498	2.12766372	0.00288641	Yes
Cd24	0.16341	0.084246	-0.079164	0.03091383	Yes	Cd24	0.76317	812.92	10.0568932	0.76417	812.921	10.0550058	0.00022079	Yes
Cd37	0.019729	0.4271	0.407371	8.96E-07	Yes	Cd37	394.693	32.2738	-3.6122956	394.694	32.2748	-3.6122545	0.00022079	Yes
Cd38	3.57E-08	0.066163	0.06616296	4.71E-06	Yes	Cd38	85.3228	3.74747	-4.5089425	85.3238	3.74847	-4.5085745	0.00022079	Yes
Cd8a	0.40328	0.64176	0.23848	0.00066856	Yes	Cd8a	429.003	84.5423	-2.3432425	429.004	84.5433	-2.3432288	0.00022079	Yes
Cdc42bpg	0.18805	0.036101	-0.151949	0.00068845	Yes	Cdc42bpg	2.4865	14.9113	2.5842177	2.4875	14.9123	2.58373436	0.00022079	Yes
Cdc42ep5	0.75478	0.098473	-0.656307	2.97E-07	Yes	Cdc42ep5	0.804792	11.9081	3.88718347	0.805792	11.9091	3.8855131	0.0373662	Yes
Cdh11	0.10404	0.024337	-0.079703	0.00934082	Yes	Cdh11	0	3.08136	inf	0.001	3.08236	11.5898197	0.00022079	Yes
Cdh3	0.47957	0.068341	-0.411229	1.31E-06	Yes	Cdh3	0	7.74377	inf	0.001	7.74477	12.9190067	0.00022079	Yes
Cdk14	0.077972	0.017029	-0.060943	0.00553374	Yes	Cdk14	0	6.30591	inf	0.001	6.30691	12.6227176	0.00022079	Yes
Cdkn1c	0.17748	0.080847	-0.096633	1.74E-09	Yes	Cdkn1c	0.577006	3.96693	2.78136471	0.578006	3.96793	2.7792302	0.00579147	Yes
Ceacam1	0.9635	0.9096	-0.0539	0.00095268	Yes	Ceacam1	0.691197	5.1949	2.90992712	0.692197	5.1959	2.90811907	0.00022079	Yes
Cebpb	0.29395	0.041097	-0.252853	0.00113933	Yes	Cebpb	8.19124	64.4773	2.97663756	8.19224	64.4783	2.97648382	0.00022079	Yes
Cep112	0.30271	0.069292	-0.233418	0.00026127	Yes	Cep112	0.221952	2.63896	3.57164987	0.222952	2.63996	3.56571102	0.00523184	Yes
Chchd10	0.068507	2.50E-07	-0.0685068	1.15E-06	Yes	Chchd10	41.0684	1117.44	4.76602482	41.0694	1117.441	4.76599098	0.00022079	Yes
Chmp4c	0.097174	0.018371	-0.078803	1.11E-09	Yes	Chmp4c	0	23.739	inf	0.001	23.74	14.5350323	0.00022079	Yes
Chpt1	0.069365	0.01391	-0.055455	0.0074695	Yes	Chpt1	1.41507	35.2397	4.63825632	1.41607	35.2407	4.63727809	0.00022079	Yes
Ciao1	0.34575	0.13949	-0.20626	4.32E-06	Yes	Ciao1	18.4542	33.8134	0.87364589	18.4552	33.8144	0.87361038	0.029572	Yes
Ckap4	0.11209	0.022359	-0.089731	6.38E-06	Yes	Ckap4	1.41542	14.6791	3.3744614	1.41642	14.6801	3.37354077	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ckb	0.50003	0.21677	-0.28326	0.00148947	Yes	Ckb	2.5309	235.128	6.53765204	2.5319	235.129	6.53708825	0.00022079	Yes
Ckmt1b	0.15582	0.037001	-0.118819	0.00074247	Yes	Ckmt1b	0	124.985	inf	0.001	124.986	16.931407	0.00022079	Yes
Cldn4	0.41551	0.1132	-0.30231	1.81E-12	Yes	Cldn4	0.141992	68.2609	8.90910598	0.142992	68.2619	8.89900233	0.00698733	Yes
Clec14a	0.17466	0.05908	-0.11558	0.00334577	Yes	Clec14a	0	1.85769	inf	0.001	1.85869	10.8600705	0.00022079	Yes
Cmb1	0.60074	0.1056	-0.49514	1.07E-06	Yes	Cmb1	1.01759	75.2492	6.20844794	1.01859	75.2502	6.20705005	0.00022079	Yes
Cndp2	0.25787	0.052515	-0.205355	5.89E-07	Yes	Cndp2	14.2463	187.031	3.71461823	14.2473	187.032	3.71452468	0.00022079	Yes
Cnksr1	0.33991	0.057993	-0.281917	1.81E-12	Yes	Cnksr1	0	23.6763	inf	0.001	23.6773	14.531217	0.00022079	Yes
Cnnm2	0.5976	0.084622	-0.512978	1.74E-09	Yes	Cnnm2	0.447981	7.087	3.9836656	0.448981	7.088	3.9806523	0.00022079	Yes
Col18a1	0.11031	0.029313	-0.080997	0.00017491	Yes	Col18a1	0.0608186	105.923	10.7662157	0.0618186	105.924	10.7427009	0.00022079	Yes
Col27a1	0.38804	0.02939	-0.35865	6.77E-07	Yes	Col27a1	0.416373	28.3967	6.09170295	0.417373	28.3977	6.088293	0.00022079	Yes
Coq2	0.11118	0.045588	-0.065592	0.00290027	Yes	Coq2	7.62561	49.9706	2.71215489	7.62661	49.9716	2.71199458	0.00022079	Yes
Coro6	0.31156	0.10069	-0.21087	0.00026127	Yes	Coro6	0.830857	5.73529	2.78719434	0.831857	5.73629	2.78571051	0.00022079	Yes
Cpt1b	0.84326	0.23714	-0.60612	3.21E-11	Yes	Cpt1b	2.04462	7.60954	1.89597651	2.04562	7.61054	1.89546065	0.00022079	Yes
Crb3	0.10794	0.013354	-0.094586	0.00044355	Yes	Crb3	0.384656	43.3602	6.81665879	0.385656	43.3612	6.81294632	0.00022079	Yes
Crip2	0.18147	0.044897	-0.136573	1.85E-05	Yes	Crip2	0.88033	166.01	7.55901	0.88133	166.011	7.55738081	0.00022079	Yes
Csad	0.84097	0.63969	-0.20128	6.05E-05	Yes	Csad	6.13116	27.6938	2.17533107	6.13216	27.6948	2.17514787	0.00579147	Yes
Cspg4	0.25199	0.10367	-0.14832	0.00105615	Yes	Cspg4	0	2.84059	inf	0.001	2.84159	11.4724827	0.00022079	Yes
Ctnn	0.58679	0.082885	-0.503905	5.89E-07	Yes	Ctnn	0.0269397	1.0596	5.29764215	0.0279397	1.0606	5.24642031	0.0171138	Yes
Cuedc1	0.87225	0.61639	-0.25586	1.95E-12	Yes	Cuedc1	0.389958	9.84811	4.65845622	0.390958	9.84911	4.65490783	0.0344255	Yes
Cwc27	0.31582	0.15055	-0.16527	3.07E-06	Yes	Cwc27	14.7144	39.8927	1.43889605	14.7154	39.8937	1.43883418	0.00392909	Yes
Cwh43	0.20102	0.040176	-0.160844	1.15E-06	Yes	Cwh43	0.108471	17.2113	7.30990287	0.109471	17.2123	7.29674735	0.0430208	Yes
Cx3cl1	0.76422	0.068602	-0.695618	1.74E-09	Yes	Cx3cl1	0	28.9897	inf	0.001	28.9907	14.8233025	0.00022079	Yes
Cxcl1	0.49455	0.24764	-0.24691	0.01245124	Yes	Cxcl1	0	16.81	inf	0.001	16.811	14.0371179	0.00022079	Yes
Cxxc5	0.57362	0.222	-0.35162	5.51E-09	Yes	CXXC5	18.283	75.7165	2.05010491	18.284	75.7175	2.05004505	0.00022079	Yes
Cyp24a1	0.087291	0.021124	-0.066167	0.02144384	Yes	Cyp24a1	0	4.6844	inf	0.001	4.6854	12.1939565	0.00022079	Yes
Dab2ip	0.72662	0.29044	-0.43618	0.00066856	Yes	Dab2ip	0.101175	13.5046	7.06045425	0.102175	13.5056	7.04637168	0.00022079	Yes
Dact2	0.49467	0.079559	-0.415111	3.19E-07	Yes	Dact2	0	17.4065	inf	0.001	17.4075	14.0874214	0.00022079	Yes
Dao	0.93252	0.15095	-0.78157	1.22E-10	Yes	Dao	0	292.27	inf	0.001	292.271	18.1569472	0.00022079	Yes
Dapk1	0.75506	0.41009	-0.34497	0.00042212	Yes	Dapk1	2.67255	9.76127	1.86885192	2.67355	9.76227	1.86846	0.00180113	Yes
Dapp1	0.072942	0.34631	0.273368	1.28E-05	Yes	Dapp1	17.521	2.32397	-2.9144218	17.522	2.32497	-2.9138835	0.00022079	Yes
Dcxr	0.79184	0.077006	-0.714834	1.74E-09	Yes	Dcxr	10.7396	222.1	4.37019723	10.7406	222.101	4.37006939	0.00022079	Yes
Ddah2	0.7275	0.19829	-0.52921	1.81E-12	Yes	Ddah2	0.234874	98.6408	8.71415367	0.235874	98.6418	8.70803891	0.00818469	Yes
Ddr1	0.56204	0.064977	-0.497063	3.39E-05	Yes	Ddr1	0.00360689	28.6008	12.9530125	0.00460689	28.6018	12.6000252	0.00022079	Yes
Depdc7	0.80686	0.19699	-0.60987	3.82E-07	Yes	Depdc7	0.15608	8.14409	5.70539592	0.15708	8.14509	5.69635923	0.00348745	Yes
Des	0.14494	0.060447	-0.084493	8.49E-05	Yes	Des	0	6.09875	inf	0.001	6.09975	12.5745344	0.00022079	Yes
Dhcr24	0.90217	0.15447	-0.7477	3.82E-07	Yes	Dhcr24	10.1868	35.4949	1.80091082	10.1878	35.4959	1.80080985	0.00022079	Yes
Dmrt2	0.11252	0.046152	-0.066368	0.04318305	Yes	Dmrt2	0	2.56144	inf	0.001	2.56244	11.3233025	0.00022079	Yes
Dnmt3a	0.0075189	0.27383	0.2663111	1.67E-08	Yes	Dnmt3a	23.3556	4.64709	-2.329369	23.3566	4.64809	-2.3291204	0.00022079	Yes
Dock1	0.12631	0.004878	-0.121432	0.00197715	Yes	Dock1	0.106134	33.7548	8.31306196	0.107134	33.7558	8.29957519	0.0103977	Yes
Dock6	0.18203	0.066325	-0.115705	0.00290027	Yes	Dock6	0.0112868	12.8693	10.1550814	0.0122868	12.8703	10.0327207	0.035911	Yes
Dock9	0.11181	0.022604	-0.089206	0.00693052	Yes	Dock9	1.82193	20.9496	3.52338326	1.82293	20.9506	3.52266049	0.00022079	Yes
Dok2	0.19439	0.62428	0.42989	6.49E-12	Yes	Dok2	107.821	10.5605	-3.3518881	107.822	10.5615	-3.3517649	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dok3	0.77813	0.4577	-0.32043	0.00553374	Yes	Dok3	3.23966	10.5302	1.70061852	3.24066	10.5312	1.70031027	0.00113657	Yes
Dok4	0.086745	0.010968	-0.075777	1.28E-05	Yes	Dok4	0.109891	10.1061	6.52300932	0.110891	10.1071	6.51008302	0.00975879	Yes
Dolk	0.18045	0.077325	-0.103125	0.00123983	Yes	Dolk	1.4488	10.9255	2.91476895	1.4498	10.9265	2.91390555	0.00164037	Yes
Dpys	0.4885	0.18347	-0.30503	0.00135614	Yes	Dpys	0	23.3497	inf	0.001	23.3507	14.5111782	0.00022079	Yes
Dtnb	0.082248	0.015873	-0.066375	2.66E-05	Yes	Dtnb	15.5096	51.9898	1.74506713	15.5106	51.9908	1.74500186	0.00022079	Yes
Duoxa1	0.20186	0.082921	-0.118939	0.02144384	Yes	Duoxa1	0	5.22581	inf	0.001	5.22681	12.351715	0.00022079	Yes
Dusp14	0.16749	0.04166	-0.12583	1.41E-11	Yes	Dusp14	0.25082	6.44012	4.68236327	0.25182	6.44112	4.6768468	0.00022079	Yes
Dusp3	0.27456	0.09342	-0.18114	0.00161991	Yes	Dusp3	7.04517	23.0535	1.71027937	7.04617	23.0545	1.71013719	0.00022079	Yes
Dyrk2	0.037081	0.33333	0.296249	5.46E-08	Yes	Dyrk2	100.018	7.82765	-3.6755366	100.019	7.82865	-3.6753667	0.00022079	Yes
Eci1	0.061762	0.00069444	-0.0610676	1.04E-07	Yes	Eci1	16.0869	136.249	3.0822874	16.0879	136.25	3.08220831	0.00022079	Yes
Edc4	0.11714	0.040265	-0.076875	0.00290027	Yes	Edc4	15.896	89.6044	2.4949058	15.897	89.6054	2.49483114	0.00022079	Yes
Efcab10	0.071712	0.0052827	-0.0664293	0.00066856	Yes	Efcab10	0	1.20495	inf	0.001	1.20595	10.2359544	0.00022079	Yes
Efna1	0.66589	0.063185	-0.602705	3.82E-07	Yes	Efna1	0.09524	19.3117	7.66369183	0.09624	19.3127	7.64869752	0.00147497	Yes
Efs	0.22906	0.092994	-0.136066	2.94E-05	Yes	Efs	0	0.956876	inf	0.001	0.957876	9.9036951	0.00022079	Yes
Egfl8	0.64297	0.1189	-0.52407	2.97E-07	Yes	Egfl8	9.06816	69.7697	2.94371888	9.06916	69.7707	2.94358047	0.0135008	Yes
Egr1	0.7222	0.06653	-0.65567	5.43E-10	Yes	Egr1	1.43564	69.9383	5.6063168	1.43664	69.9393	5.60533286	0.00022079	Yes
Ehd3	0.022404	0.14151	0.119106	0.00466526	Yes	Ehd3	75.2511	11.2176	-2.7459486	75.2521	11.2186	-2.7458392	0.00022079	Yes
Emb	0.31474	0.071435	-0.243305	0.0007955	Yes	Emb	1.68141	56.6829	5.07517011	1.68241	56.6839	5.07433779	0.00022079	Yes
Eml2	0.089786	0.022783	-0.067003	0.00466526	Yes	Eml2	2.55254	14.003	2.45573047	2.55354	14.004	2.4552684	0.00022079	Yes
Emx2	0.077189	0.016272	-0.060917	0.00568595	Yes	Emx2	0	13.7388	inf	0.001	13.7398	13.7460734	0.00022079	Yes
Endou	0.76276	0.51989	-0.24287	0.00095268	Yes	Endou	0	0.910901	inf	0.001	0.911901	9.8327334	0.00022079	Yes
Ephb1	0.14357	0.063859	-0.079711	0.00113933	Yes	Ephb1	0	0.842775	inf	0.001	0.843775	9.72071453	0.00022079	Yes
Epn2	0.12557	0.032939	-0.092631	1.91E-07	Yes	Epn2	0.135945	10.2475	6.23610509	0.136945	10.2485	6.22567237	0.00022079	Yes
Epsti1	0.033331	0.32453	0.291199	2.07E-09	Yes	Epsti1	63.5417	4.36248	-3.8644833	63.5427	4.36348	-3.8641753	0.00022079	Yes
Esm1	0.7549	0.3821	-0.3728	1.20E-09	Yes	Esm1	0	2.96603	inf	0.001	2.96703	11.5348038	0.00022079	Yes
Espn	0.52147	0.17959	-0.34188	6.75E-05	Yes	Espn	0.159538	61.0581	8.58013879	0.160538	61.0591	8.57114768	0.00078858	Yes
Esrrg	0.73386	0.17538	-0.55848	2.59E-07	Yes	Esrrg	0	118.618	inf	0.001	118.619	16.8559756	0.00022079	Yes
Esyt1	0	0.054377	0.054377	0.00088439	Yes	Esyt1	135.868	17.9424	-2.9207609	135.869	17.9434	-2.9206911	0.00147497	Yes
Ethe1	0.97553	0.22179	-0.75374	3.82E-07	Yes	Ethe1	6.76207	155.402	4.52239631	6.76307	155.403	4.52219226	0.00022079	Yes
Etv3	0.22006	0.62964	0.40958	1.28E-05	Yes	Etv3	29.2015	4.14988	-2.814901	29.2025	4.15088	-2.8146028	0.00022079	Yes
Eva1b	0.83172	0.25177	-0.57995	1.81E-12	Yes	Eva1b	19.8892	37.7263	0.92358537	19.8902	37.7273	0.92355107	0.0377756	Yes
Evc2	0.063851	0.0092012	-0.0546498	1.61E-05	Yes	Evc2	0	3.92139	inf	0.001	3.92239	11.9375173	0.00022079	Yes
Evpl	0.57151	0.046675	-0.524835	1.74E-09	Yes	Evpl	0.0293102	8.08873	8.10836658	0.0303102	8.08973	8.06014437	0.0261671	Yes
Fam110a	0.73003	0.54578	-0.18425	0.01406934	Yes	Fam110a	1.93758	8.70795	2.16807725	1.93858	8.70895	2.16749852	0.00096553	Yes
Fam110c	0.40455	0.075338	-0.329212	3.82E-07	Yes	Fam110c	0	1.9503	inf	0.001	1.9513	10.9302199	0.00022079	Yes
Fam129b	0.28745	0.085226	-0.202224	1.28E-05	Yes	Fam129b	1.57339	25.2979	4.00706941	1.57439	25.2989	4.00620979	0.00041963	Yes
Fam19a5	0.16587	0.042693	-0.123177	1.46E-05	Yes	Fam19a5	0	3.82375	inf	0.001	3.82475	11.9011497	0.00022079	Yes
Fam213b	0.14019	0.06273	-0.07746	0.0074695	Yes	Fam213b	2.82353	58.5001	4.37286723	2.82453	58.5011	4.37238102	0.00022079	Yes
Fam43a	0.42501	0.20001	-0.225	0.00934082	Yes	Fam43a	0.818733	29.2855	5.16064967	0.819733	29.2865	5.1589379	0.00022079	Yes
Fam69b	0.56288	0.30495	-0.25793	0.00026127	Yes	Fam69b	0.365205	4.19678	3.52250442	0.366205	4.19778	3.51890316	0.00645389	Yes
Fam83b	0.10625	0.025401	-0.080849	0.00364323	Yes	Fam83b	0	1.72436	inf	0.001	1.72536	10.7526817	0.00022079	Yes
Fam83h	0.20667	0.038868	-0.167802	7.02E-06	Yes	Fam83h	0.382702	6.60635	4.10956006	0.383702	6.60735	4.10601358	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fam84a	0.086796	0.02042	-0.066376	4.99E-09	Yes	Fam84a	0	15.3553	inf	0.001	15.3563	13.906543	0.00022079	Yes
Fancd2os	0.91108	0.16969	-0.74139	1.81E-12	Yes	Fancd2os	0.0139719	4.22229	8.23935364	0.0149719	4.22329	8.13996619	0.0377756	Yes
Fbp1	0.40814	0.13449	-0.27365	3.03E-06	Yes	Fbp1	0.0548916	346.686	12.6247566	0.0558916	346.687	12.5987146	0.0241707	Yes
Fbp2	0.18928	0.060041	-0.129239	0.0021362	Yes	Fbp2	0.88268	3.39103	1.94176113	0.88368	3.39203	1.94055299	0.0143389	Yes
Fbxl15	0.095098	0.026887	-0.068211	2.82E-05	Yes	Fbxl15	1.55065	8.01163	2.36922271	1.55165	8.01263	2.36847269	0.00348745	Yes
Fcgr2a	0.26078	0.14728	-0.1135	0.00799193	Yes	FCGR2A	1.63039	7.41976	2.18615541	1.63139	7.42076	2.18546523	0.00242102	Yes
Fgd3	0.0077605	0.43866	0.4308995	1.81E-12	Yes	Fgd3	41.1388	11.265	-1.8686524	41.1398	11.266	-1.8685594	0.00022079	Yes
Fgr	0.31128	0.051164	-0.260116	1.12E-07	Yes	Fgr	1.4968	3.96024	1.4037064	1.4978	3.96124	1.40310712	0.0288046	Yes
Fhdc1	0.1264	0.048203	-0.078197	5.49E-05	Yes	Fhdc1	1.48701	3.22839	1.11840052	1.48801	3.22939	1.11787746	0.0311608	Yes
Fhod3	0.082898	0.020034	-0.062864	1.82E-05	Yes	Fhod3	0	17.0836	inf	0.001	17.0846	14.0604089	0.00288641	Yes
Flvcr2	0.76229	0.63166	-0.13063	0.03756776	Yes	Flvcr2	2.44885	18.2881	2.90072889	2.44985	18.2891	2.90021876	0.00480115	Yes
Fn3krp	0.10288	0.023732	-0.079148	0.00023579	Yes	Fn3krp	4.06385	15.1092	1.89450822	4.06485	15.1102	1.89424874	0.00022079	Yes
Fnbp1l	0.94116	0.13622	-0.80494	2.83E-08	Yes	Fnbp1l	0.765654	24.6499	5.0087454	0.766654	24.6509	5.00692089	0.00022079	Yes
Fndc3b	0.9264	0.83147	-0.09493	6.54E-05	Yes	Fndc3b	0.233822	14.7584	5.97998184	0.234822	14.7594	5.97392269	0.00022079	Yes
Foxi1	0.74046	0.52909	-0.21137	0.01406934	Yes	Foxi1	0.105134	3.32588	4.9834349	0.106134	3.32688	4.97021103	0.0173596	Yes
Ftl1	0.62543	0.36661	-0.25882	1.74E-09	Yes	FTL1	258.289	2433.42	3.23592724	258.29	2433.421	3.23592224	0.00022079	Yes
Fundc2	0.16712	0.057818	-0.109302	1.67E-08	Yes	Fundc2	10.7556	32.6702	1.60288728	10.7566	32.6712	1.60279731	0.0305572	Yes
Fxyd1	0.93697	0.35381	-0.58316	3.82E-07	Yes	Fxyd1	0	10.9095	inf	0.001	10.9105	13.4134296	0.00022079	Yes
Fxyd2	0.81586	0.4333	-0.38256	7.02E-06	Yes	FXYD2	0.533085	2925.54	12.4220497	0.534085	2925.541	12.4193465	0.00022079	Yes
Gab1	0.15963	0.058268	-0.101362	0.01155321	Yes	Gab1	0.094767	10.9226	6.84871583	0.095767	10.9236	6.83370407	0.00096553	Yes
Gabbr1	0.0053057	0.055767	0.0504613	0.00290027	Yes	Gabbr1	63.7444	10.0819	-2.6605311	63.7454	10.0829	-2.6604106	0.00022079	Yes
Gadd45b	0.58709	0.10144	-0.48565	6.77E-07	Yes	Gadd45b	1.21968	39.1286	5.0036489	1.22068	39.1296	5.00250341	0.00022079	Yes
Galnt14	0.12847	0.017321	-0.111149	0.00055683	Yes	Galnt14	0	13.7496	inf	0.001	13.7506	13.747207	0.00022079	Yes
Gas2l1	0.80209	0.56038	-0.24171	7.27E-07	Yes	Gas2l1	0.246836	14.5181	5.87815603	0.247836	14.5191	5.87242245	0.00022079	Yes
Gata3	0.0028222	0.078794	0.0759718	6.01E-11	Yes	Gata3	46.261	15.1135	-1.6139587	46.262	15.1145	-1.6138944	0.00022079	Yes
Gatsl3	0.029276	0.0082048	-0.0210712	0.01135039	Yes	Gatsl3	9.58214	30.4535	1.66818825	9.58314	30.4545	1.66808507	0.00022079	Yes
Gipc1	0.81143	0.45601	-0.35542	3.48E-07	Yes	Gipc1	20.8347	50.1222	1.26646141	20.8357	50.1232	1.26642095	0.00022079	Yes
Gja4	0.078661	0.02229	-0.056371	0.03196657	Yes	Gja4	0	6.49695	inf	0.001	6.49795	12.6657689	0.00022079	Yes
Glb1l2	0.088268	0.021067	-0.067201	0.00088439	Yes	Glb1l2	0	9.32719	inf	0.001	9.32819	13.1873815	0.00022079	Yes
Glis2	0.65576	0.01577	-0.63999	1.31E-06	Yes	Glis2	0.187006	46.2053	7.94882998	0.188006	46.2063	7.94116705	0.00022079	Yes
Gpc3	0.11286	0.026429	-0.086431	6.75E-05	Yes	Gpc3	0	131.702	inf	0.001	131.703	17.0069287	0.00022079	Yes
Gpc4	0.070705	0.010258	-0.060447	0.00141078	Yes	Gpc4	0	61.3427	inf	0.001	61.3437	15.9046276	0.00022079	Yes
Gpd1	0.37048	0.050215	-0.320265	3.17E-08	Yes	Gpd1	0.23622	40.568	7.42406725	0.23722	40.569	7.41800828	0.00078858	Yes
Gpr137	0.16408	0.035865	-0.128215	2.29E-05	Yes	Gpr137	2.76441	21.213	2.93990516	2.76541	21.214	2.93945138	0.00022079	Yes
Gprc5a	0.36679	0.14406	-0.22273	2.06E-05	Yes	Gprc5a	0.0554125	20.8026	8.55233668	0.0564125	20.8036	8.52660262	0.0448987	Yes
Gprc5c	0.075497	0.017046	-0.058451	0.00018202	Yes	Gprc5c	0	91.9057	inf	0.001	91.9067	16.4878824	0.00022079	Yes
Grik5	0.47672	0.14428	-0.33244	0.02027674	Yes	Grik5	0.0513149	10.3071	7.65004497	0.0523149	10.3081	7.62234082	0.00022079	Yes
Grk5	0.20626	0.047697	-0.158563	0.00161991	Yes	Grk5	1.88094	7.1212	1.92066654	1.88194	7.1222	1.92010232	0.00273202	Yes
Gtpbp3	0.88588	0.76725	-0.11863	8.74E-05	Yes	Gtpbp3	2.70458	7.4105	1.45416631	2.70558	7.4115	1.45382766	0.00407863	Yes
H1f0	0.06525	0.013837	-0.051413	2.85E-05	Yes	H1f0	12.8384	100.021	2.96176561	12.8394	100.022	2.96166767	0.00022079	Yes
Haao	0.93101	0.25035	-0.68066	1.81E-12	Yes	Haao	0.160287	162.263	9.98346093	0.161287	162.264	9.97449708	0.00060553	Yes
Habp4	0.42738	0.11437	-0.31301	0.00290027	Yes	Habp4	6.31694	13.033	1.04487143	6.31794	13.034	1.04475376	0.0197348	Yes

RRBS						RNAseq								
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Hcst	0.081381	0.48682	0.405439	7.63E-07	Yes	Hcst	268.163	89.9538	-1.5758541	268.164	89.9548	-1.5758434	0.00333723	Yes
Hexa	0.44296	0.05778	-0.38518	2.84E-09	Yes	Hexa	20.9355	85.1258	2.02364508	20.9365	85.1268	2.02359312	0.00022079	Yes
Hid1	0.33373	0.15988	-0.17385	0.010925	Yes	Hid1	0.0688735	9.23926	7.0676845	0.0698735	9.24026	7.04704423	0.011657	Yes
Hlx	0.25629	0.070051	-0.186239	3.48E-07	Yes	Hlx	0.0898977	1.65516	4.20254267	0.0908977	1.65616	4.18745446	0.011893	Yes
Hmg20b	0.97608	0.57812	-0.39796	3.82E-07	Yes	Hmg20b	13.59	37.897	1.47953819	13.591	37.898	1.4794701	0.00022079	Yes
Hnf1a	0.81135	0.060359	-0.750991	1.81E-12	Yes	Hnf1a	3.36693	9.24849	1.45778411	3.36793	9.24949	1.45751167	0.00022079	Yes
Hnf1b	0.16829	0.025602	-0.142688	1.24E-06	Yes	Hnf1b	0	192.793	inf	0.001	192.794	17.5567006	0.00022079	Yes
Hoxa6	0.57222	0.10825	-0.46397	4.22E-11	Yes	HOXA6	0	6.75863	inf	0.001	6.75963	12.7227286	0.00022079	Yes
Hoxb3	0.64017	0.11976	-0.52041	3.91E-10	Yes	HOXB3	0.119896	57.0793	8.8950403	0.120896	57.0803	8.8830826	0.00022079	Yes
Hoxb5	0.14176	0.073035	-0.068725	0.02144384	Yes	Hoxb5	0	100.389	inf	0.001	100.39	16.615256	0.00022079	Yes
Hoxb7	0.16451	0.013265	-0.151245	3.45E-06	Yes	Hoxb7	0	46.1714	inf	0.001	46.1724	15.4947431	0.00022079	Yes
Hoxb9	0.076262	0.011356	-0.064906	0.00123983	Yes	Hoxb9	0	24.7309	inf	0.001	24.7319	14.5940855	0.00022079	Yes
Hoxd10	0.13974	0.023068	-0.116672	1.00E-05	Yes	Hoxd10	0	54.2073	inf	0.001	54.2083	15.7262261	0.00022079	Yes
Hr	0.35974	0.10577	-0.25397	0.0250308	Yes	Hr	0.202327	1.68039	3.05403534	0.203327	1.68139	3.04778069	0.0102697	Yes
Hs6st1	0.13964	0.036065	-0.103575	0.00066856	Yes	Hs6st1	5.70482	25.2901	2.14831947	5.70582	25.2911	2.14812365	0.00022079	Yes
Hsd17b1	0.84423	0.15301	-0.69122	1.81E-12	Yes	Hsd17b1	0.625981	4.24444	2.76138345	0.626981	4.24544	2.75942045	0.0173596	Yes
Hspa12a	0.3509	0.067688	-0.283212	3.82E-07	Yes	Hspa12a	0	16.5468	inf	0.001	16.5478	14.0143518	0.00022079	Yes
Id4	0.022355	0.0099814	-0.0123736	0.00123983	Yes	Id4	0	38.5592	inf	0.001	38.5602	15.2348249	0.00022079	Yes
Igf2r	0.37914	0.13011	-0.24903	1.81E-12	Yes	Igf2r	12.6469	30.1022	1.25108513	12.6479	30.1032	1.25101899	0.00022079	Yes
Igfals	0.56541	0.066724	-0.498686	4.83E-07	Yes	Igfals	0.234	1.52656	2.70570386	0.235	1.52756	2.70049639	0.0242871	Yes
Igfbp3	0.10643	0.04191	-0.06452	0.00161585	Yes	Igfbp3	0	3.99493	inf	0.001	3.99593	11.9643156	0.00022079	Yes
Ihh	0.12786	0.021729	-0.106131	0.0021362	Yes	Ihh	0.598973	4.77886	2.99610363	0.599973	4.77986	2.99399888	0.00818469	Yes
Il3ra	0.14669	0.042646	-0.104044	6.39E-07	Yes	Il3ra	2.53531	87.7834	5.11371408	2.53631	87.7844	5.11316159	0.00022079	Yes
Inpp1	0.31635	0.063774	-0.252576	0.00010392	Yes	Inpp1	10.1082	25.7807	1.35076532	10.1092	25.7817	1.35067856	0.00022079	Yes
Irf2bpl	0.8264	0.074743	-0.751657	1.81E-12	Yes	Irf2bpl	7.31406	22.4137	1.61563646	7.31506	22.4147	1.61550359	0.00022079	Yes
Irx1	0.11415	0.029557	-0.084593	4.45E-05	Yes	Irx1	0	50.7032	inf	0.001	50.7042	15.6298176	0.00022079	Yes
Irx2	0.25733	0.088996	-0.168334	7.56E-05	Yes	Irx2	0	20.9914	inf	0.001	20.9924	14.3575795	0.00022079	Yes
Irx3	0.10556	0.022801	-0.082759	2.57E-05	Yes	Irx3	0	30.143	inf	0.001	30.144	14.8795832	0.00022079	Yes
Isyna1	0.91153	0.75489	-0.15664	0.00038311	Yes	Isyna1	51.1232	82.9067	0.69751055	51.1242	82.9077	0.69749973	0.028906	Yes
Itgal	0.07031	0.36855	0.29824	7.75E-05	Yes	Itgal	74.7565	3.36089	-4.4752838	74.7575	3.36189	-4.4748739	0.00022079	Yes
Itgb4	0.087516	0.035984	-0.051532	0.01078302	Yes	Itgb4	0.0626748	19.0289	8.24609096	0.0636748	19.0299	8.22332974	0.0139821	Yes
Itpkb	0	0.054718	0.054718	4.45E-05	Yes	Itpkb	84.7893	25.6488	-1.7249909	84.7903	25.6498	-1.7249517	0.00022079	Yes
Itpripl2	0.72603	0.36469	-0.36134	1.86E-08	Yes	Itpripl2	0.272079	1.71269	2.65416653	0.273079	1.71369	2.64971588	0.0247343	Yes
Jag1	0.071087	0.0065472	-0.0645398	0.00244273	Yes	Jag1	0.072284	33.6894	8.86440268	0.073284	33.6904	8.84462359	0.00096553	Yes
Junb	0.25862	0.01356	-0.24506	1.81E-12	Yes	Junb	40.4996	128.899	1.67026151	40.5006	128.9	1.67023708	0.00022079	Yes
Kazn	0.16161	0.020969	-0.140641	2.14E-06	Yes	KAZN	0.0387597	38.2094	9.94515448	0.0397597	38.2104	9.90844277	0.00422081	Yes
Kcna3	0.15952	0.33248	0.17296	0.00011422	Yes	Kcna3	3.93846	0.437376	-3.1706857	3.93946	0.438376	-3.1677572	0.0133754	Yes
Kcnip4	0.11811	0.034638	-0.083472	6.38E-06	Yes	Kcnip4	0	5.98856	inf	0.001	5.98956	12.5482343	0.00022079	Yes
Kcnk5	0.4488	0.20408	-0.24472	0.00799193	Yes	Kcnk5	0.584117	12.6749	4.43957318	0.585117	12.6759	4.43721924	0.00022079	Yes
Kcnn4	0.049999	0.63028	0.580281	1.74E-09	Yes	Kcnn4	173.46	37.6545	-2.2037088	173.461	37.6555	-2.2036788	0.00022079	Yes
Khk	0.87641	0.10171	-0.7747	1.81E-12	Yes	Khk	8.36996	285.161	5.09041215	8.37096	285.162	5.09024485	0.00022079	Yes
Kif12	0.86861	0.096016	-0.772594	1.82E-12	Yes	Kif12	0	176.483	inf	0.001	176.484	17.4291779	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kl	0.31563	0.070951	-0.244679	1.81E-12	Yes	Kl	0	29.3078	inf	0.001	29.3088	14.8390463	0.00022079	Yes
Klf2	0.021042	0.30153	0.280488	1.85E-12	Yes	Klf2	331.001	33.7279	-3.2948212	331.002	33.7289	-3.2947828	0.00022079	Yes
Klf5	0.12991	0.056127	-0.073783	0.00393505	Yes	Klf5	0.0608542	9.08547	7.2220605	0.0618542	9.08647	7.19870456	0.0122712	Yes
Krt19	0.090947	0.022932	-0.068015	2.06E-05	Yes	Krt19	0	131.192	inf	0.001	131.193	17.0013312	0.00022079	Yes
Krtcap3	0.8216	0.054986	-0.766614	1.81E-12	Yes	Krtcap3	1.28027	16.0457	3.64766673	1.28127	16.0467	3.64663021	0.00022079	Yes
L3hypadh	0.66621	0.091686	-0.574524	8.88E-12	Yes	L3hypadh	0.0869777	14.6098	7.39207515	0.0879777	14.6108	7.37568157	0.00494367	Yes
Lactb2	0.19473	0.040412	-0.154318	7.02E-06	Yes	Lactb2	13.8336	82.5224	2.57660913	13.8346	82.5234	2.57652233	0.00022079	Yes
Lama1	0.13829	0.03914	-0.09915	0.02731997	Yes	Lama1	0.811193	3.32777	2.03643862	0.812193	3.32877	2.03509469	0.00022079	Yes
Lama5	0.14892	0.028176	-0.120744	0.00290027	Yes	Lama5	0.188712	22.5593	6.90139233	0.189712	22.5603	6.8938315	0.00022079	Yes
Lamb2	0.11516	0.041519	-0.073641	0.03531391	Yes	Lamb2	0.022305	55.7073	11.2862835	0.023305	55.7083	11.2230371	0.0208857	Yes
Lamc1	0.067225	0.016929	-0.050296	0.0006129	Yes	Lamc1	1.252	14.994	3.58207884	1.253	14.995	3.5810232	0.00022079	Yes
Large	0.38047	0.15614	-0.22433	0.01000157	Yes	Large	0.47572	7.12934	3.90558394	0.47672	7.13034	3.90275681	0.00022079	Yes
Lat	0.00040258	0.33706	0.33665742	1.22E-10	Yes	Lat	494.114	91.4181	-2.4342922	494.115	91.4191	-2.4342793	0.00022079	Yes
Lax1	0.055872	0.40075	0.344878	0.00334577	Yes	Lax1	13.7859	1.05971	-3.701452	13.7869	1.06071	-3.7001959	0.00022079	Yes
Lbh	0	0.097535	0.097535	1.31E-06	Yes	Lbh	132.342	21.9281	-2.5934183	132.343	21.9291	-2.5933634	0.00022079	Yes
Lgalsl	0.77684	0.045678	-0.731162	2.07E-09	Yes	Lgalsl	0.475125	16.6054	5.12720155	0.476125	16.6064	5.12425516	0.00022079	Yes
Loxl1	0.6031	0.31187	-0.29123	1.06E-08	Yes	Loxl1	0	3.88824	inf	0.001	3.88924	11.9252725	0.00022079	Yes
Lpl	0.061957	0.011756	-0.050201	0.00276056	Yes	Lpl	0	4.35963	inf	0.001	4.36063	12.0903209	0.00022079	Yes
Lrp4	0.39429	0.20137	-0.19292	0.02027674	Yes	Lrp4	0.00619239	3.41417	9.10682284	0.00719239	3.41517	8.89127043	0.0490996	Yes
Lrrc16a	0.42345	0.0303	-0.39315	9.40E-10	Yes	Lrrc16a	0.280897	12.9406	5.52571948	0.281897	12.9416	5.52070406	0.00022079	Yes
Lrrc24	0.11075	0.0091006	-0.1016494	5.49E-05	Yes	Lrrc24	8.81118	42.7046	2.27698434	8.81218	42.7056	2.27685439	0.00022079	Yes
Ltbp3	0.61263	0.22001	-0.39262	5.45E-07	Yes	Ltbp3	0.0225728	14.8295	9.35966885	0.0235728	14.8305	9.29722839	0.00257873	Yes
Ltbp4	0.075372	0.02426	-0.051112	0.00244273	Yes	Ltbp4	0.236197	17.2916	6.19393692	0.237197	17.2926	6.18792523	0.00022079	Yes
Ltbr	0.75619	0.059947	-0.696243	3.82E-07	Yes	Ltbr	0.19962	33.9263	7.40900402	0.20062	33.9273	7.40183738	0.00022079	Yes
Lurap1l	0.37231	0.10626	-0.26605	0.00105615	Yes	Lurap1l	0	10.9454	inf	0.001	10.9464	13.4181689	0.00022079	Yes
Lzts3	0.65266	0.08561	-0.56705	1.81E-12	Yes	Lzts3	1.40542	66.3369	5.56073836	1.40642	66.3379	5.55973395	0.00022079	Yes
Map10	0.39764	0.1876	-0.21004	9.44E-05	Yes	Map10	0.0431085	1.1151	4.69305692	0.0441085	1.1161	4.66126579	0.0384399	Yes
Map11c3a	0.12118	0.033696	-0.087484	0.02144384	Yes	Map11c3a	14.1037	133.424	3.2418726	14.1047	133.425	3.24178113	0.00022079	Yes
Map4k1	0	0.21142	0.21142	4.45E-05	Yes	Map4k1	64.7918	13.4669	-2.2663934	64.7928	13.4679	-2.2663086	0.00022079	Yes
Map4k5	0.080051	0.01772	-0.062331	0.0001571	Yes	Map4k5	1.07767	7.5996	2.81800802	1.07867	7.6006	2.81685975	0.00022079	Yes
Map6	0.078914	0.015354	-0.06356	0.0007955	Yes	Map6	2.23782	5.09365	1.18660583	2.23882	5.09465	1.1862445	0.0344255	Yes
Mapk4	0.92232	0.21368	-0.70864	2.29E-09	Yes	Mapk4	0	2.21874	inf	0.001	2.21974	11.116175	0.00672121	Yes
Marveld1	0.53475	0.14051	-0.39424	1.81E-12	Yes	Marveld1	0.381183	8.35151	4.45348138	0.382183	8.35251	4.44987429	0.00180113	Yes
Megf8	0.23231	0.037363	-0.194947	1.81E-12	Yes	Megf8	0.0219077	6.132	8.12877586	0.0229077	6.133	8.06461653	0.0019604	Yes
Mest	0.4156	0.30453	-0.11107	0.00105615	Yes	Mest	0.259475	2.43005	3.22731855	0.260475	2.43105	3.22236275	0.0356158	Yes
Metrn	0.48377	0.1396	-0.34417	8.25E-10	Yes	Metrn	0.433781	17.3068	5.31822832	0.434781	17.3078	5.31498965	0.00022079	Yes
Mfhas1	0.20954	0.077588	-0.131952	0.00148947	Yes	Mfhas1	0.30303	7.20393	4.57125163	0.30403	7.20493	4.56669882	0.00022079	Yes
Misp	0.72194	0.066111	-0.655829	0.00088439	Yes	Misp	0	2.22852	inf	0.001	2.22952	11.1225174	0.00113657	Yes
Mixl1	0.14738	0.056817	-0.090563	0.00034271	Yes	Mixl1	0.0504303	1.5841	4.97322879	0.0514303	1.5851	4.94581148	0.043912	Yes
Mlf2	0.81009	0.52115	-0.28894	0.01013329	Yes	Mlf2	73.3912	146.342	0.99566489	73.3922	146.343	0.99565509	0.00288641	Yes
Mlph	0.094166	0.034227	-0.059939	0.00438283	Yes	Mlph	0	15.2005	inf	0.001	15.2015	13.8919261	0.00022079	Yes
Mlycd	0.20862	0.07052	-0.1381	0.00510288	Yes	Mlycd	6.08774	27.7432	2.18815555	6.08874	27.7442	2.18797059	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mmp11	0.45909	0.073443	-0.385647	1.67E-06	Yes	Mmp11	0.611283	5.06552	3.05079803	0.612283	5.06652	3.04872462	0.00060553	Yes
Mmp23	0.62647	0.44819	-0.17828	0.00553374	Yes	Mmp23	0	1.46321	inf	0.001	1.46421	10.5159068	0.00022079	Yes
Moap1	0.32037	0.086108	-0.234262	0.0017676	Yes	Moap1	8.31698	35.1815	2.08068533	8.31798	35.1825	2.08055288	0.00022079	Yes
Mpp6	0.60494	0.21578	-0.38916	1.07E-06	Yes	Mpp6	8.01762	19.1743	1.25792796	8.01862	19.1753	1.25782327	0.00113657	Yes
Mpped1	0.35701	0.17567	-0.18134	0.00021466	Yes	Mpped1	0	1.26246	inf	0.001	1.26346	10.3031643	0.00022079	Yes
Mpped2	0.059361	0.0055223	-0.0538387	0.00148947	Yes	Mpped2	0.147887	4.08102	4.78636264	0.148887	4.08202	4.77699355	0.00164037	Yes
Mpst	0.93718	0.1544	-0.78278	1.22E-10	Yes	MPST	15.1018	117.514	2.96004022	15.1028	117.515	2.95995697	0.00022079	Yes
Mrap	0.71227	0.22129	-0.49098	1.67E-06	Yes	Mrap	0	9.89062	inf	0.001	9.89162	13.2719911	0.00022079	Yes
Mrpl38	0.78313	0.087668	-0.695462	4.29E-07	Yes	Mrpl38	13.8761	36.2529	1.38549426	13.8771	36.2539	1.38543009	0.00096553	Yes
Msrb2	0.7264	0.15851	-0.56789	5.73E-06	Yes	Msrb2	13.545	31.8054	1.23151134	13.546	31.8064	1.23145019	0.00658515	Yes
Mt1	0.10409	0.04018	-0.06391	0.00320916	Yes	MT1	0.886545	22.4209	4.66050652	0.887545	22.4219	4.65894446	0.0228245	Yes
Mt2A	0.61527	0.091366	-0.523904	0.0007955	Yes	Mt2A	1.66928	3255.4	10.9293931	1.67028	3255.401	10.9285296	0.00113657	Yes
Mxd3	0.069213	0.015059	-0.054154	0.03196657	Yes	Mxd3	0.313898	1.74385	2.47390821	0.314898	1.74485	2.47014652	0.0484179	Yes
Myh11	0.92243	0.37892	-0.54351	4.29E-07	Yes	Myh11	1.42229	8.02228	2.49579667	1.42329	8.02328	2.4949625	0.00164037	Yes
Myh14	0.14887	0.027287	-0.121583	0.00276056	Yes	Myh14	0.0451506	10.8263	7.9055794	0.0461506	10.8273	7.8741084	0.00022079	Yes
Myo1c	0.87549	0.52883	-0.34666	0.00017491	Yes	Myo1c	4.13925	46.6113	3.49323846	4.14025	46.6123	3.49292091	0.00022079	Yes
Myo5b	0.23483	0.024829	-0.210001	6.77E-07	Yes	Myo5b	0.0108889	29.5835	11.4077188	0.0118889	29.5845	11.2810106	0.00022079	Yes
N4bp3	0.88452	0.72359	-0.16093	0.00125879	Yes	N4bp3	0.161193	2.9078	4.17306704	0.162193	2.9088	4.16464064	0.00480115	Yes
Nav2	0.22134	0.087606	-0.133734	0.0153478	Yes	Nav2	0.746426	14.6412	4.29389075	0.747426	14.6422	4.29205778	0.00022079	Yes
Nbl1	0.15142	0.055829	-0.095591	0.00393505	Yes	Nbl1	0.121847	41.1122	8.39835203	0.122847	41.1132	8.38659523	0.00060553	Yes
Ncf4	0.85874	0.70635	-0.15239	0.0007955	Yes	Ncf4	0.86483	4.36909	2.33684435	0.86583	4.37009	2.3355073	0.00363736	Yes
Nckap1l	0.0020803	0.36252	0.3604397	3.82E-07	Yes	Nckap1l	45.1893	4.54353	-3.3140957	45.1903	4.54453	-3.3138101	0.00022079	Yes
NdrG4	0.20447	0.057155	-0.147315	6.75E-05	Yes	NdrG4	0.851781	25.2893	4.89190074	0.852781	25.2903	4.89026505	0.00022079	Yes
Ndufb4	0.41179	0.17939	-0.2324	0.00105615	Yes	Ndufb4	132.87	582.974	2.13341614	132.871	582.975	2.13340776	0.00022079	Yes
Ndufs5	0.19841	0.089742	-0.108668	4.99E-05	Yes	NDUFS5	10.8836	53.4567	2.29621494	10.8846	53.4577	2.29610938	0.00022079	Yes
Nefm	0.1325	0.022677	-0.109823	2.14E-06	Yes	Nefm	0	1.23965	inf	0.001	1.24065	10.2768805	0.00022079	Yes
Nfib	0.067537	0.015862	-0.051675	6.26E-05	Yes	Nfib	0	4.9928	inf	0.001	4.9938	12.2859223	0.00605729	Yes
Nfic	0.76824	0.10238	-0.66586	0.00017491	Yes	Nfic	4.39528	26.2674	2.57924643	4.39628	26.2684	2.57897315	0.00022079	Yes
Nid2	0.11376	0.019627	-0.094133	0.0074695	Yes	Nid2	0.10382	101.609	9.93472809	0.10482	101.61	9.92091266	0.00022079	Yes
Nipsnap1	0.10023	0.027099	-0.073131	0.00163733	Yes	Nipsnap1	20.0984	50.8662	1.33962667	20.0994	50.8672	1.33958325	0.00022079	Yes
Nkain4	0.10612	0.039622	-0.066498	0.00113933	Yes	Nkain4	0	7.09389	inf	0.001	7.09489	12.7925646	0.00022079	Yes
Nkx2-1	0.087331	0.028	-0.059331	0.00032353	Yes	Nkx2-1	0.437452	87.893	7.65047974	0.438452	87.894	7.64720196	0.00022079	Yes
Nmrk1	0.49573	0.22837	-0.26736	9.44E-05	Yes	Nmrk1	0.964671	20.4682	4.40720343	0.965671	20.4692	4.40577916	0.00242102	Yes
Notch1	0.11752	0.25672	0.1392	0.00015953	Yes	Notch1	34.5623	6.76598	-2.3528284	34.5633	6.76698	-2.3526569	0.00022079	Yes
Nox4	0.27951	0.084239	-0.195271	5.73E-06	Yes	Nox4	0	10.1236	inf	0.001	10.1246	13.3055773	0.00022079	Yes
Npr2	0.19537	0.074081	-0.121289	0.00032353	Yes	Npr2	1.11497	5.02745	2.17282194	1.11597	5.02845	2.17181552	0.00551024	Yes
Nr1h3	0.50987	0.080351	-0.429519	1.15E-06	Yes	Nr1h3	0.0994888	19.5693	7.61984231	0.1004888	19.5703	7.60548735	0.00164037	Yes
Nr2f2	0.14412	0.027493	-0.116627	3.67E-05	Yes	Nr2f2	0	69.694	inf	0.001	69.695	16.0887675	0.00022079	Yes
Nr2f6	0.50922	0.086238	-0.422982	1.81E-12	Yes	Nr2f6	3.42941	76.2007	4.47377195	3.43041	76.2017	4.47337026	0.00022079	Yes
Nrg1	0.076372	0.019407	-0.056965	0.00095268	Yes	Nrg1	0.0116116	2.49624	7.74804606	0.0126116	2.49724	7.62943935	0.0147132	Yes
Nrip3	0.076365	0.009233	-0.067132	0.00055683	Yes	Nrip3	0.112332	1.15442	3.36132733	0.113332	1.15542	3.34979019	0.0402662	Yes
Nrp1	0.66134	0.069733	-0.591607	2.83E-08	Yes	Nrp1	3.40297	15.5306	2.19024723	3.40397	15.5316	2.18991623	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nrxn2	0.066528	0.016378	-0.05015	9.27E-05	Yes	Nrxn2	0	2.38387	inf	0.001	2.38487	11.2196949	0.00022079	Yes
Nt5c1a	0.32174	0.10149	-0.22025	0.00010392	Yes	Nt5c1a	0	2.08273	inf	0.001	2.08373	11.0249526	0.00022079	Yes
Ntf3	0.12317	0.049232	-0.073938	0.0074695	Yes	Ntf3	0	3.10405	inf	0.001	3.10505	11.6004008	0.00022079	Yes
Nuak1	0.11248	0.033612	-0.078868	0.00034271	Yes	Nuak1	0.533262	7.61064	3.83510135	0.534262	7.61164	3.83258802	0.00480115	Yes
Nudt22	0.86938	0.52717	-0.34221	2.06E-05	Yes	Nudt22	5.24272	17.5	1.73896752	5.24372	17.501	1.7387748	0.00164037	Yes
Olfml2a	0.95158	0.41977	-0.53181	3.82E-07	Yes	Olfml2a	0	1.24049	inf	0.001	1.24149	10.2778569	0.00022079	Yes
P2ry2	0.12132	0.01344	-0.10788	8.70E-08	Yes	P2ry2	0.0661294	12.188	7.52595388	0.0671294	12.189	7.50441931	0.00975879	Yes
P4ha2	0.27695	0.12593	-0.15102	0.01406934	Yes	P4ha2	0.0164635	12.986	9.62347033	0.0174635	12.987	9.53850976	0.0412912	Yes
Pabpc4	0.35944	0.23648	-0.12296	0.01314831	Yes	Pabpc4	45.5832	86.6458	0.92662761	45.5842	86.6468	0.92661261	0.0197348	Yes
Pacsin3	0.6534	0.15552	-0.49788	7.63E-07	Yes	Pacsin3	0.150062	22.7459	7.24390402	0.151062	22.7469	7.23438534	0.00022079	Yes
Palm	0.61146	0.090112	-0.521348	3.67E-05	Yes	Palm	2.79579	83.6317	4.90272198	2.79679	83.6327	4.9022233	0.00242102	Yes
Paqr6	0.78836	0.11597	-0.67239	3.82E-07	Yes	Paqr6	0.740204	12.6001	4.08936844	0.741204	12.6011	4.0875352	0.00022079	Yes
Pard6b	0.12664	0.016097	-0.110543	7.75E-05	Yes	Pard6b	4.60387	33.9921	2.88428049	4.60487	33.9931	2.8840096	0.00022079	Yes
Parp16	0.58538	0.080493	-0.504887	8.58E-09	Yes	Parp16	0.902242	9.87753	3.45256397	0.903242	9.87853	3.4511119	0.00022079	Yes
Parp3	0.68733	0.3917	-0.29563	0.00055683	Yes	Parp3	2.43031	15.233	2.64798784	2.43131	15.234	2.64748904	0.00022079	Yes
Pax2	0.11537	0.025891	-0.089479	1.06E-05	Yes	Pax2	0	33.54	inf	0.001	33.541	15.0336381	0.00022079	Yes
Pcdhga12	0.46238	0.23933	-0.22305	9.43E-07	Yes	Pcdhga12	1.44388	8.38613	2.53805435	1.44488	8.38713	2.53722754	0.0396448	Yes
Pclo	0.13334	0.046823	-0.086517	0.0022928	Yes	Pclo	0	2.30532	inf	0.001	2.30632	11.171377	0.00022079	Yes
Pcsk5	0.084342	0.020391	-0.063951	0.00068845	Yes	Pcsk5	0	3.59757	inf	0.001	3.59857	11.813208	0.00022079	Yes
Pde1b	0.30422	0.054134	-0.250086	1.31E-05	Yes	Pde1b	0.0568886	1.79339	4.97840587	0.0578886	1.79439	4.95407041	0.0450008	Yes
Pde4a	0.070059	0.014628	-0.055431	0.00042212	Yes	Pde4a	0.137785	3.27593	4.57141379	0.138785	3.27693	4.5614213	0.00022079	Yes
Pdia5	0.10779	0.043973	-0.063817	0.01155321	Yes	Pdia5	0.20213	2.41861	3.58082279	0.20313	2.41961	3.5742993	0.029572	Yes
Pdlim4	0.089556	0.029725	-0.059831	0.0153478	Yes	Pdlim4	0	11.4692	inf	0.001	11.4702	13.4856029	0.00022079	Yes
Pdzd3	0.86113	0.51424	-0.34689	4.99E-05	Yes	Pdzd3	0.143429	8.25608	5.84704829	0.144429	8.25708	5.83719933	0.00392909	Yes
Pdzrn3	0.27696	0.11893	-0.15803	0.03196657	Yes	Pdzrn3	0	2.44104	inf	0.001	2.44204	11.2538711	0.0019604	Yes
Pea15	0.082348	0.028113	-0.054235	4.99E-05	Yes	Pea15	15.1801	54.9217	1.85519499	15.1811	54.9227	1.85512622	0.038944	Yes
Peg3	0.41572	0.27076	-0.14496	0.0074695	Yes	Peg3	0.0360269	2.2526	5.96637283	0.0370269	2.2536	5.92751389	0.00884258	Yes
Peli2	0.48542	0.076231	-0.409189	4.29E-07	Yes	Peli2	0.0398006	7.47906	7.55392297	0.0408006	7.48006	7.51831566	0.0176974	Yes
Perp	0.39585	0.088962	-0.306888	0.00012978	Yes	Perp	0	36.7913	inf	0.001	36.7923	15.1671162	0.00022079	Yes
Pex10	0.87679	0.45513	-0.42166	2.06E-05	Yes	Pex10	1.44722	7.85244	2.43985676	1.44822	7.85344	2.43904395	0.00022079	Yes
Pfkl	0.63455	0.27453	-0.36002	7.02E-06	Yes	Pfkl	19.7062	48.7207	1.30588526	19.7072	48.7217	1.30584166	0.00022079	Yes
Pgm3	0.31545	0.11197	-0.20348	0.0250308	Yes	Pgm3	1.1826	6.46145	2.44989577	1.1836	6.46245	2.44889961	0.0145886	Yes
Phlda2	0.28434	0.092204	-0.192136	0.01660198	Yes	PHLDA2	0.839747	11.4792	3.77292356	0.840747	11.4802	3.77133224	0.00060553	Yes
Phpt1	0.2924	0.055432	-0.236968	0.00023579	Yes	Phpt1	54.2651	213.904	1.97886691	54.2661	213.905	1.97884707	0.00022079	Yes
Pim3	0.90298	0.095324	-0.807656	1.74E-09	Yes	Pim3	9.77313	45.6313	2.22313117	9.77413	45.6323	2.22301517	0.00022079	Yes
Pitx2	0.10076	0.011129	-0.089631	2.85E-05	Yes	Pitx2	0	22.8205	inf	0.001	22.8215	14.478106	0.00022079	Yes
Piwil1	0.65797	0.22355	-0.43442	4.99E-05	Yes	Piwil1	0.150263	9.6718	6.0082227	0.151263	9.6728	5.99880253	0.00022079	Yes
Pklr	0.83996	0.20798	-0.63198	5.89E-07	Yes	Pklr	0.0549184	22.7745	8.69591407	0.0559184	22.7755	8.66994393	0.00022079	Yes
Pkp3	0.82432	0.057546	-0.766774	1.55E-10	Yes	Pkp3	0.445155	8.84309	4.31217091	0.446155	8.84409	4.30909679	0.0219049	Yes
Plekha5	0.13878	0.032868	-0.105912	0.00023579	Yes	Plekha5	1.08058	19.6321	4.18333671	1.08158	19.6331	4.1820757	0.00022079	Yes
Plekhh3	0.16404	0.027686	-0.136354	1.67E-06	Yes	Plekhh3	1.17434	12.2099	3.37812932	1.17534	12.2109	3.37701948	0.00078858	Yes
Pnpla3	0.079323	0.026581	-0.052742	0.00244273	Yes	Pnpla3	0.225345	7.0214	4.96155137	0.226345	7.0224	4.95536883	0.00975879	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Polr2i	0.96066	0.65122	-0.30944	7.56E-05	Yes	Polr2i	5.31602	22.5167	2.08257697	5.31702	22.5177	2.08236968	0.00041963	Yes
Polr2k	0.28952	0.10261	-0.18691	1.99E-10	Yes	Polr2k	31.3899	101.998	1.70016853	31.3909	101.999	1.70013671	0.00022079	Yes
Polr3h	0.31002	0.46714	0.15712	0.00466526	Yes	Polr3h	36.1645	13.8488	-1.3848132	36.1655	13.8498	-1.384749	0.00041963	Yes
Pomc	0.3532	0.11298	-0.24022	0.00034271	Yes	Pomc	0.880394	11.823	3.74730303	0.881394	11.824	3.74578729	0.00605729	Yes
Pou3f3	0.090685	0.015459	-0.075226	0.00866691	Yes	Pou3f3	0	45.805	inf	0.001	45.806	15.483249	0.00022079	Yes
Ppm1j	0.7701	0.13821	-0.63189	1.36E-07	Yes	Ppm1j	1.07143	3.87063	1.85303081	1.07243	3.87163	1.8520576	0.0327215	Yes
Ppp1r15a	0.3124	0.08513	-0.22727	0.0002817	Yes	Ppp1r15a	16.9666	88.0392	2.37544855	16.9676	88.0402	2.37537991	0.00022079	Yes
Ppp1r9b	0.028557	0.089963	0.061406	1.91E-06	Yes	Ppp1r9b	65.2023	17.3214	-1.9123673	65.2033	17.3224	-1.9123062	0.00022079	Yes
Pramef8	0.16392	0.042024	-0.121896	1.04E-07	Yes	Pramef8	0.362132	2.9797	3.04057951	0.363132	2.9807	3.0370852	0.00022079	Yes
Proc	0.71539	0.12874	-0.58665	2.42E-08	Yes	Proc	0	15.4092	inf	0.001	15.4102	13.911598	0.00022079	Yes
Prodh	0.59263	0.21317	-0.37946	4.50E-07	Yes	Prodh	0.145603	25.2511	7.43816235	0.146603	25.2521	7.42834493	0.00227055	Yes
Prom2	0.4388	0.1735	-0.2653	1.49E-05	Yes	Prom2	0	17.7722	inf	0.001	17.7732	14.1174158	0.00022079	Yes
Proz	0.7306	0.19476	-0.53584	1.95E-06	Yes	Proz	0.171626	2.23151	3.70068024	0.172626	2.23251	3.69294496	0.00536605	Yes
Prph	0.07217	0.021583	-0.050587	0.00074247	Yes	Prph	0	1.27794	inf	0.001	1.27894	10.3207329	0.00022079	Yes
Ptgds	0.86186	0.52873	-0.33313	3.04E-09	Yes	Ptgds	0	34.8527	inf	0.001	34.8537	15.0890242	0.00022079	Yes
Ptms	0.56227	0.16683	-0.39544	0.00135614	Yes	Ptms	194.148	707.586	1.86574866	194.149	707.587	1.86574327	0.00022079	Yes
Ptpn14	0.19472	0.041439	-0.153281	7.63E-07	Yes	Ptpn14	0.0197746	10.1992	9.01059177	0.0207746	10.2002	8.93956103	0.00698733	Yes
Ptrf	0.11561	0.03712	-0.07849	9.27E-05	Yes	Ptrf	0.0864981	77.5838	9.80887128	0.0874981	77.5848	9.79230663	0.0164052	Yes
Pxdc1	0.23488	0.10708	-0.1278	9.43E-07	Yes	Pxdc1	1.45321	6.96392	2.26065643	1.45421	6.96492	2.25987116	0.00041963	Yes
Rab20	0.19597	0.033423	-0.162547	0.02387993	Yes	Rab20	3.2246	22.8322	2.82387776	3.2256	22.8332	2.82349361	0.00022079	Yes
Rab31	0.6407	0.45808	-0.18262	0.03196657	Yes	Rab31	1.08931	3.30444	1.60099122	1.09031	3.30544	1.60010394	0.00858283	Yes
Rab34	0.58688	0.086311	-0.500569	1.36E-07	Yes	Rab34	0	36.2035	inf	0.001	36.2045	15.1438814	0.00022079	Yes
Rab3a	0.71997	0.42783	-0.29214	5.03E-06	Yes	Rab3a	1.78767	16.9788	3.24758215	1.78867	16.9798	3.24686032	0.00022079	Yes
Ramp1	0.0051151	0.1838	0.1786849	8.97E-06	Yes	Ramp1	167.278	8.95577	-4.2232864	167.279	8.95677	-4.223134	0.00022079	Yes
Rap1gap	0.10052	0.018302	-0.082218	0.00013482	Yes	RAP1GAP	0.0460086	41.0928	9.80276636	0.0470086	41.0938	9.77178031	0.00022079	Yes
Rasgrp2	0	0.054681	0.054681	0.00034271	Yes	Rasgrp2	142.23	11.2498	-3.6602545	142.231	11.2508	-3.6601364	0.00022079	Yes
Rbck1	0.0016074	0.23786	0.2362526	7.75E-05	Yes	Rbck1	123.568	40.086	-1.6241348	123.569	40.087	-1.6241105	0.00022079	Yes
Rbm20	0.14508	0.071516	-0.073564	0.03196657	Yes	Rbm20	0.208508	1.82962	3.1333694	0.209508	1.83062	3.12725511	0.00022079	Yes
Rbpms2	0.45495	0.09767	-0.35728	1.48E-10	Yes	Rbpms2	0.0919822	29.418	8.32112875	0.0929822	29.419	8.30557793	0.00022079	Yes
Ren	0.95752	0.81501	-0.14251	0.00161991	Yes	Ren	0	2.06509	inf	0.001	2.06609	11.0126874	0.00022079	Yes
Rfk	0.47187	0.23006	-0.24181	3.09E-05	Yes	Rfk	11.2825	78.5043	2.7986849	11.2835	78.5053	2.79857541	0.00022079	Yes
RGD1305347	0.18281	0.049366	-0.133444	8.49E-05	Yes	RGD1305347	0	55.8044	inf	0.001	55.8054	15.7681171	0.00022079	Yes
RGD1310587	0.73204	0.1004	-0.63164	1.15E-06	Yes	RGD1310587	0	25.3072	inf	0.001	25.3082	14.6273173	0.00022079	Yes
RGD1561149	0.76043	0.06897	-0.69146	6.39E-07	Yes	RGD1561149	0.0351176	23.7784	9.40324168	0.0361176	23.7794	9.36279457	0.00988585	Yes
RGD1564053	0.070423	0.0145	-0.055923	2.07E-09	Yes	RGD1564053	0	0.944376	inf	0.001	0.945376	9.88474443	0.00227055	Yes
RGD1566239	0.75817	0.24563	-0.51254	1.95E-08	Yes	RGD1566239	24.7482	52.024	1.07185373	24.7492	52.025	1.07182317	0.00818469	Yes
Rgl1	0.17297	0.039189	-0.133781	2.14E-06	Yes	Rgl1	0.0593246	11.4173	7.58837533	0.0603246	11.4183	7.56438571	0.00041963	Yes

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rgl3	0.22942	0.13745	-0.09197	0.01783979	Yes	Rgl3	0	46.4661	inf	0.001	46.4671	15.503922	0.00022079	Yes
Rhcg	0.072774	0.016058	-0.056716	2.22E-07	Yes	Rhcg	0	19.0568	inf	0.001	19.0578	14.218094	0.00022079	Yes
Rhobtb1	0.11817	0.0054087	-0.1127613	0.00049864	Yes	Rhobtb1	3.4051	20.3291	2.57777727	3.4061	20.3301	2.57742461	0.00022079	Yes
Rilpl1	0.21043	0.077725	-0.132705	0.00181792	Yes	Rilpl1	0.360485	16.8498	5.54664843	0.361485	16.8508	5.54273749	0.00041963	Yes
Rnd2	0.31994	0.11211	-0.20783	0.00123983	Yes	Rnd2	0.107872	13.8514	7.00456755	0.108872	13.8524	6.99135918	0.0433217	Yes
Rnf144b	0.30297	0.16572	-0.13725	0.03425917	Yes	Rnf144b	2.23797	4.47773	1.00057684	2.23897	4.47873	1.0002545	0.0138632	Yes
Rngtt	0.020061	0.13915	0.119089	0.01197107	Yes	Rngtt	11.4927	5.2138	-1.1403106	11.4937	5.2148	-1.1401595	0.00227055	Yes
Ror2	0.4252	0.16484	-0.26036	5.45E-07	Yes	Ror2	0.0905591	2.97878	5.03971815	0.0915591	2.97978	5.02435873	0.00096553	Yes
Rsph9	0.065533	0.014931	-0.050602	0.00065362	Yes	Rsph9	0.0556484	11.8926	7.73950823	0.0566484	11.8936	7.71393454	0.00845215	Yes
RT1-Bb	0.25659	0.039031	-0.217559	7.02E-06	Yes	RT1-Bb	14.4129	57.0289	1.98433256	14.4139	57.0299	1.98425776	0.00022079	Yes
S100a1	0.11482	0.022503	-0.092317	0.00014343	Yes	S100a1	0.855024	531.221	9.27913155	0.856024	531.222	9.27744793	0.0424075	Yes
Sall1	0.099694	0.027374	-0.07232	7.02E-06	Yes	Sall1	0	24.0781	inf	0.001	24.0791	14.5554938	0.00022079	Yes
Sardh	0.16092	0.01872	-0.1422	0.00197715	Yes	Sardh	0.0438623	8.90634	7.66570741	0.0448623	8.90734	7.63334727	0.0323868	Yes
Sat2	0.38533	0.1367	-0.24863	0.0250308	Yes	Sat2	0.0248429	106.777	12.0694797	0.0258429	106.778	12.0125588	0.0324948	Yes
Satb2	0.07673	0.026534	-0.050196	0.00636684	Yes	Satb2	0	7.05297	inf	0.001	7.05397	12.7842197	0.00022079	Yes
Scin	0.44422	0.20198	-0.24224	0.01169604	Yes	Scin	0.63614	48.3143	6.24696214	0.63714	48.3153	6.2447259	0.00022079	Yes
Scnn1a	0.64869	0.13495	-0.51374	1.81E-12	Yes	Scnn1a	0.0578293	16.0965	8.12073067	0.0588293	16.0975	8.09608606	0.00870822	Yes
Sdc4	0.10606	0.012405	-0.093655	4.67E-09	Yes	Sdc4	0.177465	293.797	10.6930694	0.178465	293.798	10.6849677	0.00130998	Yes
Sdhb	0.10088	0.025548	-0.075332	0.04318305	Yes	Sdhb	85.7508	410.255	2.25829888	85.7518	410.256	2.25828557	0.00022079	Yes
Sema3b	0.76273	0.092364	-0.670366	3.51E-08	Yes	Sema3b	0.00818902	29.9991	11.8389408	0.00918902	30.0001	11.6727687	0.00022079	Yes
Serpinb6	0.082651	0.021958	-0.060693	3.39E-05	Yes	Serpinb6	2.14893	64.8014	4.91433459	2.14993	64.8024	4.91368565	0.00273202	Yes
Serping1	0.42966	0.12992	-0.29974	0.00066856	Yes	Serping1	0	13.8611	inf	0.001	13.8621	13.7588582	0.00022079	Yes
Serpinh1	0.542	0.097585	-0.444415	5.49E-05	Yes	Serpinh1	0	82.3532	inf	0.001	82.3542	16.3295546	0.00022079	Yes
Shh	0.11255	0.042711	-0.069839	0.00026127	Yes	Shh	0	1.43285	inf	0.001	1.43385	10.4856784	0.0117698	Yes
Sim2	0.11437	0.049547	-0.064823	0.00693052	Yes	Sim2	0.0266771	15.8798	9.21737518	0.0276771	15.8808	9.16437509	0.0438233	Yes
Sipa1l2	0.16956	0.048851	-0.120709	0.00021466	Yes	Sipa1l2	0.0347958	3.49376	6.64972352	0.0357958	3.49476	6.60925925	0.0290073	Yes
Slc12a3	0.7912	0.57651	-0.21469	0.00087534	Yes	Slc12a3	6.75052	33.4798	2.31022037	6.75152	33.4808	2.31004976	0.00147497	Yes
Slc12a8	0.35725	0.062788	-0.294462	6.38E-06	Yes	Slc12a8	0.170973	6.29269	5.20183645	0.171973	6.29369	5.19365214	0.00060553	Yes
Slc16a11	0.2451	0.070978	-0.174122	0.02257431	Yes	SLC16A11	0.207106	19.5369	6.55968841	0.208106	19.5379	6.55281304	0.00022079	Yes
Slc21a4	0.83597	0.25223	-0.58374	3.92E-06	Yes	Slc21a4	0	18.1545	inf	0.001	18.1555	14.148119	0.00022079	Yes
Slc22a6	0.86223	0.14033	-0.7219	3.70E-09	Yes	Slc22a6	0	137.302	inf	0.001	137.303	17.0670036	0.00022079	Yes
Slc22a8	0.92534	0.090027	-0.835313	3.82E-07	Yes	Slc22a8	0	87.7842	inf	0.001	87.7852	16.4216901	0.00022079	Yes
Slc25a23	0.64122	0.08728	-0.55394	3.82E-07	Yes	Slc25a23	15.0905	75.1929	2.31695584	15.0915	75.1939	2.31687942	0.00022079	Yes
Slc25a4	0.52124	0.26783	-0.25341	0.01406934	Yes	Slc25a4	44.2474	260.792	2.55923503	44.2484	260.793	2.55920795	0.00022079	Yes
Slc26a1	0.78162	0.051673	-0.729947	9.44E-05	Yes	Slc26a1	0.192916	12.354	6.00086162	0.193916	12.355	5.99351936	0.00022079	Yes
Slc27a2	0.36688	0.050955	-0.315925	6.24E-09	Yes	Slc27a2	0.0413483	44.5749	10.0741878	0.0423483	44.5759	10.0397442	0.0191747	Yes
Slc2a8	0.14369	0.046538	-0.097152	0.00074247	Yes	Slc2a8	2.50073	10.0161	2.00189967	2.50173	10.0171	2.0014669	0.00130998	Yes
Slc30a2	0.073307	0.010983	-0.062324	2.47E-05	Yes	Slc30a2	0.0659448	1.83045	4.79479565	0.0669448	1.83145	4.77387051	0.0230222	Yes
Slc34a2	0.076116	0.017981	-0.058135	6.64E-09	Yes	Slc34a2	0	79.4027	inf	0.001	79.4037	16.2769186	0.00022079	Yes
Slc3a1	0.99064	0.21761	-0.77303	3.82E-07	Yes	Slc3a1	0.203834	215.02	10.0428604	0.204834	215.021	10.0358066	0.00565535	Yes
Slc6a6	0.71977	0.11186	-0.60791	7.02E-06	Yes	Slc6a6	18.1104	72.8798	2.00870059	18.1114	72.8808	2.00864073	0.00022079	Yes
Slc7a5	0	0.071152	0.071152	4.32E-06	Yes	Slc7a5	8.26471	3.33727	-1.3082958	8.26571	3.33827	-1.3080381	0.0338019	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc9a3	0.086166	0.017098	-0.069068	9.27E-05	Yes	Slc9a3	0.0207932	24.5618	10.2060888	0.0217932	24.5628	10.1383813	0.00605729	Yes
Slco2a1	0.084114	0.0255	-0.058614	0.00113933	Yes	Slco2a1	0	23.4902	inf	0.001	23.4912	14.5198328	0.00605729	Yes
Smim5	0.25989	0.14423	-0.11566	0.04223487	Yes	SMIM5	0.370756	15.4499	5.38098365	0.371756	15.4509	5.37719104	0.00022079	Yes
Smo	0.092856	0.042125	-0.050731	0.02144384	Yes	Smo	0	4.78635	inf	0.001	4.78735	12.2250116	0.00022079	Yes
Smoc2	0.17824	0.064371	-0.113869	0.00032353	Yes	Smoc2	0	1.41895	inf	0.001	1.41995	10.4716244	0.00022079	Yes
Snx10	0	0.076175	0.076175	4.45E-05	Yes	Snx10	7.30956	2.67694	-1.4491998	7.31056	2.67794	-1.4488583	0.00451708	Yes
Snx33	0.24342	0.033216	-0.210204	1.81E-12	Yes	Snx33	1.78756	13.6605	2.93394672	1.78856	13.6615	2.93324548	0.00022079	Yes
Sox11	0.10603	0.020603	-0.085427	7.52E-12	Yes	Sox11	0	3.62915	inf	0.001	3.63015	11.8258134	0.00022079	Yes
Sox13	0.075411	0.018604	-0.056807	0.00113933	Yes	Sox13	0.0838865	8.56265	6.67347489	0.0848865	8.56365	6.65654689	0.00348745	Yes
Sp5	0.10652	0.025891	-0.080629	2.90E-07	Yes	Sp5	0	3.07265	inf	0.001	3.07365	11.5857372	0.00022079	Yes
Sparcl1	0.50284	0.18237	-0.32047	0.00042212	Yes	Sparcl1	0	3.09222	inf	0.001	3.09322	11.5948937	0.00022079	Yes
Spint1	0.29546	0.071766	-0.223694	1.15E-05	Yes	Spint1	0.57069	35.9962	5.97899352	0.57169	35.9972	5.97650783	0.00022079	Yes
Spock2	0.41065	0.12066	-0.28999	2.40E-06	Yes	Spock2	0.679402	4.64755	2.77413302	0.680402	4.64855	2.77232149	0.00180113	Yes
Spry4	0.60627	0.11143	-0.49484	1.87E-11	Yes	Spry4	0.111286	1.65817	3.89724791	0.112286	1.65917	3.88521175	0.00392909	Yes
Spryd4	0.20598	0.082177	-0.123803	0.003933505	Yes	Spryd4	5.52743	11.8335	1.09819609	5.52843	11.8345	1.09805702	0.0136242	Yes
Spsb4	0.11521	0.021421	-0.093789	7.63E-07	Yes	Spsb4	0.0326961	16.0519	8.9394098	0.0336961	16.0529	8.89603661	0.0497157	Yes
Sptbn2	0.12202	0.02078	-0.10124	7.36E-06	Yes	Sptbn2	0.0461938	2.40157	5.70013482	0.0471938	2.40257	5.66983731	0.00060553	Yes
Srsf12	0.015208	0.076114	0.060906	0.0001571	Yes	Srsf12	24.6476	4.60896	-2.418934	24.6486	4.60996	-2.4186796	0.00022079	Yes
Ssh3	0.24142	0.030972	-0.210448	3.19E-07	Yes	Ssh3	2.14899	16.6552	2.954242	2.14999	16.6562	2.95365744	0.00022079	Yes
Ssna1	0.7474	0.47257	-0.27483	0.003933505	Yes	Ssna1	27.2231	77.8089	1.51510382	27.2241	77.8099	1.51506937	0.00022079	Yes
St6galnac2	0.26043	0.10464	-0.15579	0.00135614	Yes	St6galnac2	0.0765992	68.1234	9.7966054	0.0775992	68.1244	9.77791412	0.00022079	Yes
Stard10	0.36417	0.075687	-0.288483	0.0153478	Yes	Stard10	28.7832	180.151	2.64590776	28.7842	180.152	2.64586565	0.00022079	Yes
Steap1	0.076062	0.021076	-0.054986	0.00636684	Yes	Steap1	0	3.17053	inf	0.001	3.17153	11.6309633	0.00022079	Yes
Stk10	2.00E-07	0.08536	0.0853598	0.00595469	Yes	Stk10	94.6404	6.36126	-3.8950717	94.6414	6.36226	-3.8948602	0.00022079	Yes
Stk3	0.30325	0.10572	-0.19753	1.02E-06	Yes	Stk3	2.53438	10.7611	2.0861208	2.53538	10.7621	2.08568572	0.00022079	Yes
Stk32b	0.075421	0.019777	-0.055644	1.55E-06	Yes	Stk32b	0	6.62496	inf	0.001	6.62596	12.6939138	0.00022079	Yes
Stox2	0.026526	0.16876	0.142234	1.06E-08	Yes	Stox2	3.09053	0.629823	-2.2948359	3.09153	0.630823	-2.2930138	0.00022079	Yes
Stx3	0.78668	0.38584	-0.40084	9.44E-05	Yes	Stx3	6.31127	12.4885	0.98459796	6.31227	12.4895	0.9844849	0.0139821	Yes
Sult2b1	0.15789	0.076744	-0.081146	7.72E-06	Yes	Sult2b1	8.17206	59.7073	2.86913563	8.17306	59.7083	2.86898326	0.00975879	Yes
Susd2	0.56294	0.091018	-0.471922	3.21E-11	Yes	Susd2	0.914886	14.6893	4.00502985	0.915886	14.6903	4.00355201	0.00022079	Yes
Syne4	0.82507	0.12296	-0.70211	1.81E-12	Yes	Syne4	0.26648	8.63742	5.01850128	0.26748	8.63842	5.01326453	0.00738919	Yes
Sypl2	0.1984	0.044863	-0.153537	5.49E-05	Yes	Sypl2	0	1.05819	inf	0.001	1.05919	10.0487457	0.00022079	Yes
Syt7	0.11832	0.036793	-0.081527	1.03E-05	Yes	Syt7	0	1.26845	inf	0.001	1.26945	10.3099879	0.00738919	Yes
Taok3	0.0014266	0.27627	0.2748434	3.82E-07	Yes	Taok3	16.5011	2.22259	-2.8922485	16.5021	2.22359	-2.8916869	0.0135008	Yes
Tbc1d9	0.20486	0.073936	-0.130924	0.00105615	Yes	Tbc1d9	0.0383105	11.3169	8.20652325	0.0393105	11.3179	8.16947587	0.00242102	Yes
Tbx3	0.16223	0.072715	-0.089515	3.09E-05	Yes	Tbx3	0	1.37409	inf	0.001	1.37509	10.4253103	0.00022079	Yes
Tctex1d2	0.17698	0.021335	-0.155645	7.75E-05	Yes	Tctex1d2	0.295342	14.1843	5.58576461	0.296342	14.1853	5.58098974	0.00791314	Yes
Tead1	0.081236	0.018241	-0.062995	5.49E-05	Yes	Tead1	0.209714	17.8693	6.41291613	0.210714	17.8703	6.40613387	0.00022079	Yes
Tgfb1	0.82594	0.68483	-0.14111	0.0002817	Yes	Tgfb1	0.837003	6.81998	3.02646281	0.838003	6.82098	3.02495172	0.00060553	Yes
Tgfbr3	0.57486	0.35554	-0.21932	0.01406934	Yes	Tgfbr3	0.246086	11.7332	5.57529014	0.247086	11.7342	5.56956241	0.00022079	Yes
Timm23	0.17147	0.027788	-0.143682	1.74E-09	Yes	Timm23	69.0095	113.775	0.7213167	69.0105	113.776	0.72130848	0.0265154	Yes
Tk1	0.9371	0.54899	-0.38811	0.00038311	Yes	Tk1	1.1441	13.0509	3.51186424	1.1451	13.0519	3.51071434	0.00060553	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tle3	0.0025966	0.087075	0.0844784	0.00049864	Yes	Tle3	57.9594	15.6355	-1.8902173	57.9604	15.6365	-1.8901499	0.00022079	Yes
Tm4sf1	0.93841	0.30189	-0.63652	3.82E-07	Yes	Tm4sf1	0	26.433	inf	0.001	26.434	14.6901071	0.00022079	Yes
Tmc8	1.07E-07	0.259	0.25899989	1.06E-08	Yes	Tmc8	79.353	5.08591	-3.9637069	79.354	5.08691	-3.9634415	0.00022079	Yes
Tmem107	0.15758	0.061638	-0.095942	0.0250308	Yes	Tmem107	0.460188	11.7064	4.66893031	0.461188	11.7074	4.66592193	0.00257873	Yes
Tmem125	0.9626	0.82424	-0.13836	7.99E-06	Yes	Tmem125	0	3.32089	inf	0.001	3.32189	11.6977886	0.00022079	Yes
Tmem171	0.68746	0.14159	-0.54587	3.82E-07	Yes	Tmem171	0	67.7372	inf	0.001	67.7382	16.047682	0.00022079	Yes
Tmem184a	0.68108	0.35609	-0.32499	0.00074247	Yes	Tmem184a	0	15.8682	inf	0.001	15.8692	13.9539418	0.00022079	Yes
Tmem231	0.20667	0.056713	-0.149957	1.99E-10	Yes	Tmem231	0.100835	4.10236	5.34638571	0.101835	4.10336	5.33250034	0.00041963	Yes
Tmem252	0.11779	0.018805	-0.098985	3.93E-05	Yes	Tmem252	0.0674144	26.3368	8.60980756	0.0684144	26.3378	8.58861911	0.0309567	Yes
Tmem30b	0.36842	0.16277	-0.20565	3.67E-05	Yes	Tmem30b	0	11.0684	inf	0.001	11.0694	13.4342894	0.00022079	Yes
Tmem69	0.30499	0.082064	-0.222926	0.00334577	Yes	Tmem69	3.44122	8.4277	1.29221883	3.44222	8.4287	1.29197083	0.00778313	Yes
Tmem72	0.89812	0.44412	-0.454	5.45E-07	Yes	Tmem72	0	55.8096	inf	0.001	55.8106	15.7682515	0.00022079	Yes
Tmod4	0.84304	0.64648	-0.19656	5.36E-07	Yes	Tmod4	0.20661	5.41461	4.71187544	0.20761	5.41561	4.70517601	0.0330481	Yes
Tmprss2	0.14533	0.040287	-0.105043	0.00364323	Yes	Tmprss2	0.0820698	54.9091	9.38597811	0.0830698	54.9101	9.36853174	0.00022079	Yes
Tnfaip2	0.094241	0.038381	-0.05586	0.00934082	Yes	Tnfaip2	0.0835457	21.0987	7.98037282	0.0845457	21.0997	7.96327539	0.00022079	Yes
Tnfrsf12a	0.11989	0.022074	-0.097816	0.00105615	Yes	Tnfrsf12a	1.08571	18.1672	4.06462538	1.08671	18.1682	4.06337659	0.0367675	Yes
Tnfrsf9	0.81497	0.3343	-0.48067	1.76E-07	Yes	Tnfrsf9	2.45535	13.4974	2.45868093	2.45635	13.4984	2.45820036	0.00022079	Yes
Tnfsf12	0.59647	0.158	-0.43847	0.00010392	Yes	Tnfsf12	0.523109	18.8012	5.16756934	0.524109	18.8022	5.16489078	0.0167554	Yes
Tnfsf8	0.0056226	0.1808	0.1751774	1.15E-05	Yes	Tnfsf8	15.2111	0.277472	-5.7766385	15.2121	0.278472	-5.7715432	0.0460899	Yes
Tonsl	0.31243	0.16984	-0.14259	0.03531391	Yes	Tonsl	48.3894	115.253	1.25204135	48.3904	115.254	1.25202405	0.00041963	Yes
Tpbg	0.14522	0.066616	-0.078604	0.00799193	Yes	Tpbg	0.406782	9.12383	4.48731182	0.407782	9.12483	4.48392768	0.00227055	Yes
Tpd52	0.90227	0.2081	-0.69417	3.82E-07	Yes	Tpd52	0.374659	66.2565	7.46634008	0.375659	66.2575	7.46251629	0.00022079	Yes
Tpd52l1	0.06603	0.010876	-0.055154	0.00181792	Yes	Tpd52l1	0.131542	9.00385	6.09694661	0.132542	9.00485	6.08618074	0.00392909	Yes
Tpm2	0.63374	0.27443	-0.35931	3.45E-06	Yes	Tpm2	0.0473198	19.0216	8.65097891	0.0483198	19.0226	8.62088425	0.0252737	Yes
Trak2	0.39369	0.14329	-0.2504	8.88E-12	Yes	Trak2	17.4725	37.0744	1.0853373	17.4735	37.0754	1.08529364	0.0128843	Yes
Trappc6a	0.81795	0.18694	-0.63101	1.81E-12	Yes	Trappc6a	42.7375	136.54	1.67574923	42.7385	136.541	1.67572604	0.00022079	Yes
Trim63	0.85114	0.2473	-0.60384	1.81E-12	Yes	Trim63	0	5.9466	inf	0.001	5.9476	12.5380919	0.00022079	Yes
Tsku	0.30285	0.06375	-0.2391	4.32E-06	Yes	Tsku	0.103766	4.41607	5.41135733	0.104766	4.41707	5.3978472	0.00022079	Yes
Tspan33	0.1461	0.016772	-0.129328	5.46E-08	Yes	Tspan33	0.181297	32.711	7.495277	0.182297	32.712	7.48738534	0.00273202	Yes
Tspan9	0.1176	0.058098	-0.059502	0.00063341	Yes	Tspan9	0.0800732	13.9009	7.43964311	0.0810732	13.9019	7.42184127	0.00022079	Yes
Ttc21b	0.062651	0.012254	-0.050397	0.0006129	Yes	Ttc21b	0	17.5027	inf	0.001	17.5037	14.0953723	0.00022079	Yes
Ttc30a1	0.25257	0.15174	-0.10083	0.00055683	Yes	Ttc30a1	1.65399	4.76025	1.52508683	1.65499	4.76125	1.52451788	0.0156977	Yes
Ttc39b	0.1074	0.015401	-0.091999	8.97E-06	Yes	Ttc39b	0.181283	4.41396	4.60575801	0.182283	4.41496	4.59814844	0.00096553	Yes
Ttc8	0.27587	0.085059	-0.190811	5.49E-05	Yes	Ttc8	0	6.89397	inf	0.001	6.89497	12.7513286	0.00022079	Yes
Tuba1c	0.43352	0.12951	-0.30401	2.28E-05	Yes	Tuba1c	119.705	339.551	1.50414487	119.706	339.552	1.50413706	0.00022079	Yes
Tuba4a	0.80626	0.28881	-0.51745	3.82E-07	Yes	Tuba4a	34.9831	158.119	2.17628069	34.9841	158.12	2.17624858	0.00022079	Yes
Twf1	0.23495	0.12899	-0.10596	0.00636684	Yes	Twf1	29.774	64.8084	1.12212776	29.775	64.8094	1.12210157	0.00257873	Yes
Twist1	0.164	0.036854	-0.127146	0.00055683	Yes	Twist1	0	9.58508	inf	0.001	9.58608	13.2267253	0.00022079	Yes
Tysnd1	0.44898	0.1015	-0.34748	3.07E-06	Yes	Tysnd1	6.55825	14.4376	1.13844814	6.55925	14.4386	1.13832809	0.0103977	Yes
Uap1	0.16115	0.062079	-0.099071	0.03531391	Yes	Uap1	4.01017	9.26815	1.208618	4.01117	9.26915	1.20841394	0.00632443	Yes
Ubash3a	0.0010638	0.14961	0.1485462	5.03E-06	Yes	Ubash3a	21.7852	1.11287	-4.2909914	21.7862	1.11387	-4.2897618	0.00041963	Yes
Ugt8	0.16311	0.053638	-0.109472	0.00595469	Yes	Ugt8	0	34.6335	inf	0.001	34.6345	15.0799222	0.00022079	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Uqcr11	0.071945	0.018853	-0.053092	0.01660198	Yes	Uqcr11	102.228	835.58	3.03098756	102.229	835.581	3.03097517	0.00022079	Yes
Ush1c	0.32624	0.050301	-0.275939	3.51E-08	Yes	Ush1c	0	73.3245	inf	0.001	73.3255	16.1620274	0.00022079	Yes
Usp44	0.00050302	0.07629	0.07578698	7.02E-06	Yes	Usp44	22.9195	0.527655	-5.4408368	22.9205	0.528655	-5.4381682	0.00022079	Yes
Vav2	0.68878	0.11921	-0.56957	2.51E-09	Yes	Vav2	1.37471	12.3928	3.17230297	1.37571	12.3938	3.17137031	0.00022079	Yes
Vcl	0.093498	0.025321	-0.068177	0.00466526	Yes	Vcl	1.46655	10.0476	2.77635277	1.46755	10.0486	2.77551295	0.00022079	Yes
Vps37d	0.9204	0.053489	-0.866911	1.81E-12	Yes	Vps37d	0.287359	16.0657	5.8049858	0.288359	16.0667	5.80006378	0.00022079	Yes
Vstm2b	0.22529	0.047884	-0.177406	6.77E-07	Yes	Vstm2b	0	2.96821	inf	0.001	2.96921	11.5358634	0.00022079	Yes
Wfdc2	0.62012	0.25883	-0.36129	1.52E-07	Yes	Wfdc2	1.41158	320.018	7.82469835	1.41258	320.019	7.82368118	0.00022079	Yes
Wscd1	0.74724	0.44671	-0.30053	0.00036477	Yes	Wscd1	0.0930121	6.70533	6.17174612	0.0940121	6.70633	6.15653321	0.00022079	Yes
Ybx2	0.54188	0.14539	-0.39649	1.57E-08	Yes	Ybx2	0.621164	4.7213	2.92613803	0.622164	4.7223	2.92412287	0.00022079	Yes
Zbtb10	0.15315	0.032811	-0.120339	0.00135614	Yes	Zbtb10	0.606014	2.3754	1.97074745	0.607014	2.3764	1.968976	0.014108	Yes
Zbtb16	0.058159	0.0059028	-0.0522562	0.02965439	Yes	Zbtb16	0.10846	1.03401	3.25301516	0.10946	1.03501	3.24116904	0.0212313	Yes
Zbtb42	0.069389	0.0059696	-0.0634194	4.99E-05	Yes	Zbtb42	1.65966	5.52963	1.73629523	1.66066	5.53063	1.7356871	0.00164037	Yes
Zc3h7b	0.61129	0.28947	-0.32182	7.01E-05	Yes	Zc3h7b	14.5698	25.9685	0.83378161	14.5708	25.9695	0.83373815	0.0302413	Yes
Zdhhc2	0.12145	0.020411	-0.101039	0.00023579	Yes	ZDHC2	0.117001	5.76022	5.62153115	0.118001	5.76122	5.60950336	0.010907	Yes
Zfp358	0.54173	0.27519	-0.26654	0.00636684	Yes	Zfp358	7.01881	13.5019	0.94386408	7.01981	13.5029	0.9437654	0.0251614	Yes
Zfp46	0.87994	0.76734	-0.1126	0.00364323	Yes	Zfp46	1.93323	3.67524	0.92682518	1.93423	3.67624	0.9264716	0.0479925	Yes
Zfp575	0.87104	0.72937	-0.14167	0.00553374	Yes	Zfp575	0.895811	3.46489	1.95154326	0.896811	3.46589	1.95034999	0.0145886	Yes
Zfp652	0.028188	0.30745	0.279262	3.99E-07	Yes	Zfp652	29.2592	12.3916	-1.2395278	29.2602	12.3926	-1.2394607	0.00180113	Yes
Zfp703	0.25937	0.053682	-0.205688	2.88E-05	Yes	Zfp703	0.986973	5.66746	2.52161978	0.987973	5.66846	2.52041332	0.00022079	Yes
42795	0.36314	0.072213	-0.290927	3.92E-06	No	42801	85.7503	15.9008	-2.4310424	85.7513	15.9018	-2.4309685	0.00022079	No
Aanat	0.47346	0.18768	-0.28578	0.01000157	No	42802	2.15201	30.519	3.825951	2.15301	30.52	3.82532804	0.00022079	No
Aatk	0.52016	0.17295	-0.34721	2.96E-09	No	42979	394.175	51.9356	-2.9240406	394.176	51.9366	-2.9240165	0.00022079	No
Abca13	0.81242	0.43861	-0.37381	0.00026127	No	42982	0.193712	145.893	9.55678162	0.194712	145.894	9.54936304	0.0102697	No
Abcc9	0.10161	0.039019	-0.062591	0.00276056	No	42983	0.161777	1.611	3.31587808	0.162777	1.612	3.30788297	0.00304332	No
Abcg4	0.16959	0.045579	-0.124011	0.00019244	No	42984	167.374	3.63928	-5.5232786	167.375	3.64028	-5.5228908	0.00022079	No
Abhd15	0.052406	0.23688	0.184474	7.06E-09	No	42985	105.448	38.2465	-1.4631321	105.449	38.2475	-1.4631081	0.00022079	No
Abhd16b	0.97243	0.62513	-0.3473	4.14E-09	No	42986	0.0774052	23.9638	8.27421049	0.0784052	23.9648	8.25575184	0.00022079	No
Acot5	0.18845	0.083929	-0.104521	0.0153478	No	42988	0.0646229	7.31383	6.82243779	0.0656229	7.31483	6.80048117	0.00022079	No
Acta1	0.19838	0.10319	-0.09519	0.00046099	No	0610030E20 Rik	18.272	6.65159	-1.4578634	18.273	6.65259	-1.4577255	0.00685176	No
Acta2	0.8786	0.17244	-0.70616	3.82E-07	No	1100001G20 Rik	0	1.61995	inf	0.001	1.62095	10.6626239	0.00096553	No
Actn3	0.56938	0.30759	-0.26179	0.00161991	No	1110034G24 Rik	17.0763	2.57089	-2.7316556	17.0773	2.57189	-2.7311791	0.00022079	No
Actr3b	0.75395	0.42984	-0.32411	0.00088439	No	1110058L19 Rik	18.4485	65.8151	1.8349151	18.4495	65.8161	1.83485882	0.012511	No
Adam23	0.069782	0.0095833	-0.0601987	0.00105615	No	1190007I07 Rik	18.2581	46.0148	1.33356132	18.2591	46.0158	1.33351365	0.030773	No
Adamts14	0.62498	0.31349	-0.31149	4.71E-06	No	1500011K16 Rik	61.7392	136.493	1.14456827	61.7402	136.494	1.14455547	0.00685176	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Adamts18	0.079793	0.023746	-0.056047	0.00131307	No	1600014C10Rik	16.4762	8.04471	-1.0342712	16.4772	8.04571	-1.0341795	0.00422081	No
Adamts19	0.08435	0.028291	-0.056059	0.00074247	No	1700021F05Rik	8.1051	26.8281	1.72684299	8.1061	26.8291	1.72671878	0.00022079	No
Adamts4	0.56999	0.15459	-0.4154	8.79E-12	No	1700112E06Rik	0.249057	14.7222	5.88537351	0.250057	14.7232	5.87969046	0.0421044	No
Adamtsl4	0.30205	0.048477	-0.253573	6.75E-05	No	1810037117Rik	31.0567	113.503	1.86975398	31.0577	113.504	1.86972024	0.00022079	No
Adamtsl5	0.18591	0.094582	-0.091328	0.02965439	No	1810043H04Rik	52.7154	177.357	1.75035988	52.7164	177.358	1.75034065	0.00962607	No
Adcy2	0.068599	0.01728	-0.051319	1.47E-06	No	2210018M11Rik	11.7057	3.54584	-1.7230119	11.7067	3.54684	-1.7227283	0.00022079	No
Adcyap1r1	0.089234	0.028934	-0.0603	0.00010392	No	2310030G06Rik	0.681082	29.3492	5.42934886	0.682082	29.3502	5.42728133	0.00078858	No
Adgre5	0.032227	0.42074	0.388513	3.82E-07	No	2510049J12Rik	0	16.8193	inf	0.001	16.8203	14.0379158	0.00618779	No
Adgrl4	0.23407	0.079358	-0.154712	2.87E-06	No	2610008E11Rik	9.20026	3.94102	-1.2231056	9.20126	3.94202	-1.2228963	0.00273202	No
Adm2	0.75549	0.14778	-0.60771	0.00049864	No	2810408A11Rik	2.31962	11.7207	2.33709835	2.32062	11.7217	2.33659961	0.00078858	No
Ado	0.43956	0.17295	-0.26661	0.00066856	No	3110057O12Rik	19.519	3.1859	-2.6151063	19.52	3.1869	-2.6147274	0.00858283	No
Adprhl1	0.82565	0.54026	-0.28539	1.41E-05	No	4930538K18Rik	0.115489	2.43009	4.3951824	0.116489	2.43109	4.38333767	0.0201925	No
Adprhl2	0.86367	0.74371	-0.11996	0.00095268	No	4933426M11Rik	37.7705	17.0772	-1.1451884	37.7715	17.0782	-1.1451422	0.0265154	No
Adra1a	0.079613	0.233	0.153387	1.47E-06	No	5830418K08Rik	8.00558	0.81029	-3.3044957	8.00658	0.81129	-3.3028965	0.00765035	No
Adra1b	0.11258	0.029809	-0.082771	0.00393505	No	5830473C10Rik	0.271386	28.991	6.73911499	0.272386	28.992	6.7338585	0.00022079	No
Adra1d	0.18104	0.093987	-0.087053	0.0021362	No	5S_rRNA	0	875.907	inf	0.001	875.908	19.7404198	0.00022079	No
Adra2c	0.227	0.059433	-0.167567	4.87E-08	No	9230110C19Rik	0	4.07619	inf	0.001	4.07719	11.9933595	0.00022079	No
Adrb1	0.12097	0.033771	-0.087199	1.76E-08	No	A1cf	0	1.41296	inf	0.001	1.41396	10.4655256	0.0205337	No
Agap3	0.0061665	0.085354	0.0791875	4.99E-05	No	A330021E22Rik	0	6.08125	inf	0.001	6.08225	12.5703894	0.00022079	No
Agpat3	0.21684	0.34138	0.12454	0.01155321	No	A3galt2	0.101257	11.2603	6.79707981	0.102257	11.2613	6.78302996	0.00422081	No
Agxt	0.82777	0.41257	-0.4152	1.61E-05	No	A430105I19Rik	0.0287288	13.9305	8.92153359	0.0297288	13.9315	8.87227366	0.0229153	No
Ajap1	0.26518	0.53452	0.26934	7.75E-05	No	A4galt	0	4.53483	inf	0.001	4.53583	12.1471509	0.00022079	No
Ajuba	0.15185	0.051997	-0.099853	3.93E-05	No	A830010M20Rik	3.36746	0.886516	-1.9254422	3.36846	0.887516	-1.9242441	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Akap17a	0.82243	0.53931	-0.28312	0.000202	No	Aacs	16.7634	6.30303	-1.4111974	16.7644	6.30403	-1.4110545	0.00022079	No
Aldh1a2	0.07856	0.015014	-0.063546	0.0074695	No	Aaed1	1.29928	34.3183	4.72319381	1.30028	34.3193	4.7221259	0.00022079	No
Alg3	0.82386	0.53206	-0.2918	3.67E-05	No	Aamdc	7.59542	34.3286	2.17620937	7.59642	34.3296	2.17606147	0.00130998	No
Alox12b	0.079933	0.028813	-0.05112	0.00453998	No	AAR2	5.39866	10.3769	0.94270225	5.39966	10.3779	0.94257407	0.0122712	No
Alox12e	0.69865	0.40941	-0.28924	0.00019244	No	Aars	19.587	58.6476	1.58217562	19.588	58.6486	1.58212657	0.00147497	No
Alox15b	0.25889	0.10136	-0.15753	0.00466526	No	Aass	0	42.9295	inf	0.001	42.9305	15.3897154	0.00022079	No
Alox5	0.12785	0.055388	-0.072462	6.38E-06	No	Abat	0.675259	12.035	4.15565137	0.676259	12.036	4.15363631	0.00022079	No
Alpi	0.69079	0.42599	-0.2648	0.00466526	No	Abca1	0.0923805	0.954999	3.36983896	0.0933805	0.955999	3.35581589	0.00618779	No
Alpk3	0.77399	0.58904	-0.18495	0.00097226	No	Abca5	0.0335863	0.976439	4.86158514	0.0345863	0.977439	4.82073408	0.0154422	No
Alx4	0.11633	0.045143	-0.071187	0.00095268	No	Abcb10	4.3097	13.9238	1.69189365	4.3107	13.9248	1.69166254	0.00022079	No
Amh	0.90092	0.79779	-0.10313	4.61E-08	No	Abcb6	1.80509	24.9067	3.78639121	1.80609	24.9077	3.78565012	0.00022079	No
Amigo3	0.85771	0.74398	-0.11373	0.00651881	No	Abcc1	12.4524	3.66918	-1.7628942	12.4534	3.67018	-1.762617	0.00113657	No
Amz2	0.79173	0.71543	-0.0763	0.04438607	No	Abcc3	0.0499622	1.2814	4.68074008	0.0509622	1.2824	4.65327496	0.0420093	No
Angpt4	0.78327	0.51623	-0.26704	0.00244273	No	ABCC4	4.32737	23.2429	2.4252277	4.32837	23.2439	2.42495642	0.00022079	No
Ank1	0.08439	0.032259	-0.052131	5.03E-06	No	Abcc6	0	5.90564	inf	0.001	5.90664	12.528122	0.00022079	No
Ankef1	0.57964	0.22517	-0.35447	4.45E-05	No	Abcd3	14.0703	29.5123	1.06866327	14.0713	29.5133	1.06860962	0.00242102	No
Ankrd23	0.8075	0.11328	-0.69422	2.74E-06	No	Abce1	31.9536	16.7757	-0.9296055	31.9546	16.7767	-0.9295647	0.00645389	No
Ankrd34a	0.16042	0.077819	-0.082601	0.00167254	No	Abcg1	31.4613	9.36034	-1.7489454	31.4623	9.36134	-1.7488372	0.00022079	No
Ankrd34b	0.086381	0.021556	-0.064825	0.00095268	No	Abcg2	0.0802538	12.8254	7.3202184	0.0812538	12.8264	7.3024653	0.00022079	No
Ankrd42	0.092166	0.023543	-0.068623	0.02144384	No	Abhd10	15.8809	6.76684	-1.2307385	15.8819	6.76784	-1.2306161	0.0305572	No
Ankrd65	0.83181	0.094231	-0.737579	1.81E-12	No	Abhd12	11.2982	25.5489	1.17716823	11.2992	25.5499	1.17709701	0.00164037	No
Anks1b	0.17932	0.061081	-0.118239	0.00364323	No	Abhd14b	0.725801	132.145	7.50833208	0.726801	132.146	7.50635664	0.00022079	No
Ano4	0.079547	0.025738	-0.053809	0.00244273	No	Abhd17a	45.211	89.587	0.98661557	45.212	89.588	0.98659976	0.0453842	No
Ap1g1	0.7972	0.63108	-0.16612	0.01078302	No	Abhd17c	24.4145	68.5381	1.48916797	24.4155	68.5391	1.48912992	0.00022079	No
Ap1s3	0.75013	0.48983	-0.2603	0.00636684	No	Abhd3	0.120752	6.09403	5.65727761	0.121752	6.09503	5.64561595	0.0102697	No
Ap3d1	0.26189	0.081834	-0.180056	4.56E-09	No	Abhd4	12.897	40.0949	1.63638322	12.898	40.0959	1.63630735	0.00022079	No
Apba1	0.28981	0.092257	-0.197553	6.38E-06	No	Abhd5	5.57523	21.6748	1.95891545	5.57623	21.6758	1.95872327	0.00022079	No
Apc2	0.65156	0.13364	-0.51792	4.32E-06	No	Abi1	67.0022	16.8321	-1.9929933	67.0032	16.8331	-1.9929291	0.00022079	No
Apob	0.83878	0.24928	-0.5895	3.82E-07	No	Abi2	1.66119	6.20392	1.90096299	1.66219	6.20492	1.90032731	0.00130998	No
Apod	0.74737	0.33566	-0.41171	0.00034271	No	Abi3	20.969	48.8975	1.22150264	20.97	48.8985	1.22146335	0.0428089	No
Aqp1	0.7819	0.18752	-0.59438	7.63E-07	No	Abi3bp	0	1.616	inf	0.001	1.617	10.659104	0.00022079	No
Aqp5	0.15943	0.08842	-0.07101	0.00197715	No	Ablim1	180.785	58.6929	-1.6230171	180.786	58.6939	-1.6230005	0.012146	No
Aqp8	0.60134	0.4072	-0.19414	0.00123983	No	Ablim3	0	34.3309	inf	0.001	34.3319	15.0672621	0.00022079	No
Ar	0.24039	0.10245	-0.13794	0.00334577	No	Abr	25.9743	10.4858	-1.3086479	25.9753	10.4868	-1.3085659	0.00022079	No
Arfgap1	0.37007	0.10843	-0.26164	3.77E-08	No	Abracl	271.678	78.9275	-1.7832978	271.679	78.9285	-1.7832848	0.00022079	No
Arhgap27	0.73347	0.27807	-0.4554	5.85E-10	No	Abt1	37.5455	19.6439	-0.9345586	37.5465	19.6449	-0.9345236	0.0230222	No
Arhgap30	0.0017605	0.20818	0.2064195	1.86E-06	No	Abtb2	15.7515	2.29998	-2.775796	15.7525	2.30098	-2.7752605	0.00022079	No
Arhgef16	0.19558	0.075685	-0.119895	0.0022928	No	Acaa1a	22.7404	67.8921	1.57798608	22.7414	67.8931	1.57794389	0.00022079	No
Arhgef2	0.019068	0.18036	0.161292	1.15E-06	No	Acaa2	34.9719	129.974	1.89395497	34.9729	129.975	1.89392482	0.00022079	No
Arhgef7	0.77082	0.62203	-0.14879	0.01406934	No	Acacb	0.128163	34.4788	8.07158593	0.129163	34.4798	8.06041474	0.00022079	No
Arid3a	0.84143	0.66643	-0.175	3.57E-06	No	Acad10	4.69919	18.6176	1.9861831	4.70019	18.6186	1.98595361	0.00041963	No
Armc5	0.31078	0.032385	-0.278395	0.0021362	No	Acad11	3.17605	17.1562	2.43342451	3.17705	17.1572	2.43305443	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Arpin	0.091466	0.0067781	-0.0846879	1.61E-05	No	Acadl	29.9135	110.493	1.88508635	29.9145	110.494	1.88505118	0.00022079	No
Arsi	0.16402	0.096749	-0.067271	0.02965439	No	Acadm	44.199	186.036	2.07349619	44.2	186.037	2.07347131	0.00022079	No
Art1	0.71357	0.51676	-0.19681	4.32E-06	No	Acads	14.621	40.5989	1.47339865	14.622	40.5999	1.47333552	0.00022079	No
Asb10	0.45496	0.09148	-0.36348	2.06E-05	No	Acadsb	2.96897	17.7722	2.58158786	2.96997	17.7732	2.58118319	0.00022079	No
Ascl1	0.14033	0.035019	-0.105311	3.45E-06	No	Acadvl	33.6239	73.3993	1.12627923	33.6249	73.4003	1.12625598	0.00211842	No
Ascl2	0.066424	0.016213	-0.050211	0.00044355	No	Acap1	469.994	220.388	-1.0925967	469.995	220.389	-1.0925932	0.0301242	No
Asic3	0.70699	0.36788	-0.33911	0.00105615	No	Acap2	11.7396	5.55963	-1.0783225	11.7406	5.56063	-1.0781859	0.0320442	No
Asic4	0.48867	0.58458	0.09591	0.04531279	No	Acat1	52.903	271.963	2.36198895	52.904	271.964	2.36196698	0.00022079	No
Asna1	0.5692	0.24194	-0.32726	1.81E-12	No	Ace2	0	1.46058	inf	0.001	1.46158	10.5133131	0.00022079	No
Asphd2	0.25181	0.096914	-0.154896	0.00510288	No	Ace3	0	2.37864	inf	0.001	2.37964	11.2165276	0.00022079	No
Astn1	0.08925	0.021237	-0.068013	0.00040483	No	Acer3	4.45346	9.14878	1.03865274	4.45446	9.14978	1.03848651	0.0355065	No
Astn2	0.071758	0.009705	-0.062053	0.0001571	No	Acly	61.1867	32.4801	-0.913662	61.1877	32.4811	-0.9136412	0.0277684	No
Atf7ip2	0.083276	0.013873	-0.069403	3.39E-05	No	Acmsd	0	31.1579	inf	0.001	31.1589	14.9273567	0.00022079	No
Atp2b2	0.23635	0.072041	-0.164309	0.00095268	No	Acn9	5.96368	62.2638	3.38411888	5.96468	62.2648	3.38390015	0.00096553	No
Atp2c2	0.18372	0.022693	-0.161027	1.83E-10	No	Aco1	6.05098	78.5643	3.69863317	6.05198	78.5653	3.69841313	0.00022079	No
Avp	0.50144	0.31859	-0.18285	0.03196657	No	Aco2	42.8234	174.616	2.02771451	42.8244	174.617	2.02768908	0.00022079	No
Azin2	0.26824	0.55307	0.28483	0.00012978	No	Acot1	16.1592	68.3811	2.08124185	16.1602	68.3821	2.08117368	0.00022079	No
B3galt4	0.018815	0.098535	0.07972	0.00466526	No	Acot13	5.24342	48.4943	3.20923517	5.24442	48.4953	3.2089898	0.00022079	No
B3gnt3	0.49445	0.2206	-0.27385	0.01245124	No	Acot7	146.585	35.9529	-2.0275574	146.586	35.9539	-2.0275271	0.00022079	No
B3gnt8	0.79396	0.45898	-0.33498	0.00011578	No	Acox1	12.5339	64.7922	2.36998476	12.5349	64.7932	2.36989192	0.00022079	No
B4galt2	0.17314	0.04239	-0.13075	8.60E-07	No	Acp1	38.9393	62.2948	0.67788479	38.9403	62.2958	0.6778709	0.0450883	No
B4gat1	0.26772	0.016557	-0.251163	7.63E-07	No	Acp2	4.8541	26.8422	2.46722719	4.8551	26.8432	2.46698375	0.0131304	No
Bace1	0.084025	0.014933	-0.069092	2.29E-09	No	Acpl2	17.9423	6.36685	-1.4947132	17.9433	6.36785	-1.494567	0.00022079	No
Bag3	0.35155	0.059826	-0.291724	5.77E-05	No	Acpp	8.20979	3.20455	-1.3572235	8.21079	3.20555	-1.3569491	0.00022079	No
Barhl1	0.10482	0.042249	-0.062571	0.00019244	No	Acsf3	4.81405	50.0083	3.37684453	4.81505	50.0093	3.37657373	0.00022079	No
Batf3	0.11666	0.013967	-0.102693	1.52E-05	No	Acs1	3.35834	29.4682	3.13333874	3.35934	29.4692	3.13295817	0.00022079	No
Bbs4	0.61542	0.28209	-0.33333	1.81E-12	No	Acs13	3.59187	10.5967	1.56080801	3.59287	10.5977	1.56054255	0.00565535	No
Bbs7	0.16266	0.041472	-0.121188	5.73E-06	No	Acs14	7.32327	19.6822	1.4263316	7.32427	19.6832	1.42620791	0.00022079	No
Bcan	0.072889	0.018126	-0.054763	0.00085531	No	Acsm1	0	8.04271	inf	0.001	8.04371	12.9736454	0.00022079	No
Bcat1	0.45626	0.19221	-0.26405	3.09E-05	No	Acsm2a	0	87.2261	inf	0.001	87.2271	16.4124888	0.00022079	No
Bcdin3d	0.003125	0.24084	0.237715	1.47E-06	No	ACSM5	0	3.96777	inf	0.001	3.96877	11.9544762	0.00022079	No
Bckdk	0.94902	0.47507	-0.47395	6.77E-07	No	Acss2	3.65417	51.592	3.81953172	3.65517	51.593	3.81916493	0.00022079	No
Bcl3	0.12919	0.058909	-0.070281	2.32E-08	No	Acss3	0	20.8025	inf	0.001	20.8035	14.3445386	0.00022079	No
Bcor	0.0089135	0.11374	0.1048265	2.44E-07	No	Actg1	463.666	1074.01	1.21184958	463.667	1074.011	1.21184781	0.0083198	No
Bdnf	0.13233	0.02685	-0.10548	7.99E-06	No	Actn4	66.0484	134.698	1.02813291	66.0494	134.699	1.02812178	0.00711928	No
Begain	0.072286	0.016595	-0.055691	0.03196657	No	Actr1b	14.8761	26.5552	0.83599804	14.8771	26.5562	0.83595539	0.0143389	No
Bhlhe23	0.11234	0.017618	-0.094722	0.01245124	No	Actr2	203.874	68.1598	-1.5806848	203.875	68.1608	-1.5806707	0.0138632	No
Bik	0.05306	0.15292	0.09986	0.01406934	No	Actr3	404.147	97.7289	-2.048023	404.148	97.7299	-2.0480118	0.00022079	No
Bmi1	0.068991	0.14859	0.079599	6.05E-05	No	Acvr1b	6.86248	14.0488	1.03364496	6.86348	14.0498	1.03353743	0.0191747	No
Bmp2	0.12376	0.031215	-0.092545	0.0007955	No	Acy1	16.6226	371.372	4.48164708	16.6236	371.373	4.48156418	0.00022079	No
Bmp3	0.08036	0.02307	-0.05729	4.52E-08	No	Acy3	0.824891	197.946	7.9066877	0.825891	197.947	7.9049471	0.00022079	No
Bmp8a	0.16118	0.027585	-0.133595	0.0002817	No	Ada	22.9389	11.292	-1.0224952	22.9399	11.293	-1.0224303	0.0137492	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Bmyc	0.092411	0.035243	-0.057168	0.00170783	No	Adal	5.08716	1.33012	-1.9353041	5.08816	1.33112	-1.9345034	0.00211842	No
Bnc1	0.074142	0.017227	-0.056915	0.00042212	No	Adam10	70.1743	15.4417	-2.1841112	70.1753	15.4427	-2.1840383	0.00022079	No
Boll	0.22267	0.11484	-0.10783	0.00010908	No	Adam19	74.5162	1.3267	-5.81164	74.5172	1.3277	-5.8105724	0.00022079	No
Borcs6	0.78955	0.37406	-0.41549	0.0001571	No	Adam8	6.38906	1.68889	-1.9195283	6.39006	1.68989	-1.9189001	0.00096553	No
Borcs7	0.63012	0.3201	-0.31002	5.77E-05	No	Adam9	2.13995	10.9268	2.35222196	2.14095	10.9278	2.35167998	0.00022079	No
Bpifb3	0.9402	0.6941	-0.2461	4.32E-06	No	Adamts10	57.8435	19.4668	-1.5711391	57.8445	19.4678	-1.5710899	0.00536605	No
Btbd16	0.83107	0.60262	-0.22845	0.00095268	No	Adamts16	0	1.09425	inf	0.001	1.09525	10.0970445	0.0178094	No
C1ql1	0.11993	0.041406	-0.078524	3.34E-06	No	Adamts5	0	20.6253	inf	0.001	20.6263	14.3321974	0.00022079	No
C1ql2	0.11893	0.016518	-0.102412	7.99E-06	No	Adamts11	0	2.20325	inf	0.001	2.20425	11.1060721	0.00632443	No
C1qtnf2	0.48296	0.10573	-0.37723	0.00017491	No	Adap1	0.890331	14.3002	4.00554972	0.891331	14.3012	4.00403111	0.00022079	No
C1qtnf5	0.83852	0.46721	-0.37131	1.01E-11	No	Adar	34.9003	14.761	-1.241449	34.9013	14.762	-1.2413926	0.0019604	No
C2cd4c	0.86717	0.20361	-0.66356	1.81E-12	No	Adat1	2.32003	0.482155	-2.2665745	2.32103	0.483155	-2.2642072	0.00565535	No
Cabp7	0.08306	0.0239	-0.05916	2.14E-07	No	Adat2	30.0375	4.72224	-2.6692215	30.0385	4.72324	-2.668964	0.00022079	No
Cacna1e	0.35349	0.13204	-0.22145	5.46E-08	No	Adck1	5.13072	11.2821	1.13680243	5.13172	11.2831	1.13664914	0.0221192	No
Cacna1i	0.85814	0.14672	-0.71142	2.57E-11	No	Adck4	14.6803	33.2225	1.17827919	14.6813	33.2235	1.17822434	0.0251614	No
Cacna1s	0.27761	0.069014	-0.208596	1.28E-05	No	Adcy4	1.66916	10.535	2.65799616	1.67016	10.536	2.65726903	0.0072515	No
Cacna2d1	0.072724	0.013772	-0.058952	0.00066856	No	Adcy7	49.0677	8.05989	-2.6059416	49.0687	8.06089	-2.605792	0.0201925	No
Cacna2d2	0.15374	0.035185	-0.118555	0.00393505	No	Add3	196.872	27.5914	-2.8349674	196.873	27.5924	-2.8349224	0.00022079	No
Calb2	0.28434	0.063539	-0.220801	4.32E-06	No	Adh1	0	46.6078	inf	0.001	46.6088	15.5083147	0.00022079	No
Calhm1	0.781	0.3629	-0.4181	6.01E-10	No	Adhfe1	0.110487	49.4318	8.805419	0.111487	49.4328	8.79244932	0.00022079	No
Camk2n2	0.25142	0.061965	-0.189455	1.03E-05	No	Adi1	25.958	103.698	1.99813693	25.959	103.699	1.99809527	0.00022079	No
Cap2	0.081804	0.016965	-0.064839	0.0021362	No	Adipor1	39.3391	112.939	1.52150791	39.3401	112.94	1.52148401	0.00022079	No
Car13	0.61754	0.19788	-0.41966	0.00042212	No	Adk	32.8599	68.0432	1.0501229	32.8609	68.0442	1.0501002	0.00096553	No
Car9	0.34609	0.074335	-0.271755	7.99E-06	No	Adora1	0	7.28442	inf	0.001	7.28542	12.8307964	0.00022079	No
Carkd	0.76869	0.35136	-0.41733	0.00011578	No	Adpgk	14.7582	6.38189	-1.2094611	14.7592	6.38289	-1.2093328	0.0457858	No
Cartpt	0.34375	0.18364	-0.16011	0.01660198	No	Adprh	35.8474	16.7643	-1.0964762	35.8484	16.7653	-1.0964304	0.00227055	No
Cass4	0	0.12233	0.12233	9.43E-07	No	Adprm	25.5943	14.2737	-0.8424632	25.5953	14.2747	-0.8424185	0.0271748	No
Cav3	0.93014	0.39884	-0.5313	3.82E-07	No	Adrbk1	143.766	25.7242	-2.4825244	143.767	25.7252	-2.4824784	0.00022079	No
Cbln1	0.11156	0.024235	-0.087325	0.0006129	No	Aebp1	0.070052	5.99285	6.41867221	0.071052	5.99385	6.39846391	0.00211842	No
Cbln4	0.081196	0.022316	-0.05888	5.62E-11	No	Afap111	0.0785708	14.1963	7.497306	0.0795708	14.1973	7.47916177	0.00130998	No
Ccdc105	0.2897	0.082642	-0.207058	7.35E-09	No	Afap112	0	6.1918	inf	0.001	6.1928	12.5963761	0.00022079	No
Ccdc166	0.33545	0.1001	-0.23535	0.00010392	No	Aff4	13.8958	7.95137	-0.8053735	13.8968	7.95237	-0.8052959	0.0199689	No
Ccdc184	0.17308	0.06438	-0.1087	0.0017676	No	Afg311	11.2043	24.4278	1.12447142	11.2053	24.4288	1.12440172	0.0200735	No
Ccdc24	0.57456	0.18324	-0.39132	2.07E-07	No	Afmid	0.873568	24.0045	4.78024107	0.874568	24.0055	4.77865061	0.00022079	No
Ccdc67	0.5545	0.059934	-0.494566	3.17E-08	No	Agap1	5.6223	14.491	1.36592481	5.6233	14.492	1.36576779	0.00392909	No
Ccdc7	0.84351	0.75813	-0.08538	0.00595469	No	Agbl3	7.98013	40.0523	2.32740094	7.98113	40.0533	2.32725618	0.00022079	No
Ccdc89	0.34117	0.056931	-0.284239	1.15E-06	No	Agfg2	10.7628	22.2102	1.04516893	10.7638	22.2112	1.04509985	0.00227055	No
Ccer1	0.75617	0.63235	-0.12382	0.04318305	No	Ago1	20.1093	7.15101	-1.4916439	20.1103	7.15201	-1.4915139	0.00022079	No
Ccl27	0.23417	0.057765	-0.176405	2.44E-07	No	Ago2	7.59306	1.94716	-1.96331	7.59406	1.94816	-1.9627592	0.00022079	No
Cct8l1	0.77643	0.67378	-0.10265	0.03196657	No	Ago3	1.97474	0.927058	-1.0909312	1.97574	0.928058	-1.0901062	0.0199689	No
Cd164l2	0.44839	0.067836	-0.380554	4.19E-08	No	Agpat2	1.35237	20.5697	3.92695893	1.35337	20.5707	3.92596267	0.00130998	No
Cd248	0.53108	0.18036	-0.35072	2.07E-09	No	Agpat4	2.25906	10.4528	2.21009496	2.26006	10.4538	2.20959448	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cd52	0.65693	0.4158	-0.24113	2.74E-06	No	Agpat9	0.19685	5.80526	4.88219206	0.19785	5.80626	4.87513021	0.00041963	No
Cd7	0.0055331	0.18951	0.1839769	0.00049864	No	Agrrn	1.42492	47.389	5.05559939	1.42592	47.39	5.05461771	0.00022079	No
Cd72	0.10538	0.27386	0.16848	0.00553374	No	Agtpbp1	3.39567	17.1115	2.33319807	3.39667	17.1125	2.33285757	0.00022079	No
Cdc42ep3	0.1116	0.032117	-0.079483	0.00553374	No	Agtr1a	0	4.6179	inf	0.001	4.6189	12.1733336	0.00022079	No
Cdh13	0.58766	0.19541	-0.39225	3.77E-07	No	Agtrap	8.50289	45.9469	2.43394235	8.50389	45.9479	2.43380409	0.00022079	No
Cdh22	0.1161	0.015498	-0.100602	3.82E-07	No	Agxt2	0	166.016	inf	0.001	166.017	17.3409715	0.00022079	No
Cdh8	0.088025	0.019998	-0.068027	6.47E-08	No	Ahctf1	13.68	6.06679	-1.173063	13.681	6.06779	-1.1729306	0.00242102	No
Cdk5r1	0.22508	0.10671	-0.11837	0.00063341	No	Ahcyl2	8.22779	36.0688	2.13217455	8.22879	36.0698	2.13203921	0.00022079	No
Cdk5r2	0.079354	0.018468	-0.060886	1.55E-06	No	Al462493	45.2361	126.731	1.48622301	45.2371	126.732	1.4862025	0.00022079	No
Cdon	0.80726	0.58934	-0.21792	0.00119531	No	Aida	24.5014	13.9616	-0.8113999	24.5024	13.9626	-0.8113555	0.0214583	No
Cdx2	0.10077	0.02557	-0.0752	0.00595469	No	Aif1	1.83909	88.2422	5.58440477	1.84009	88.2432	5.58363687	0.00536605	No
Ceacam4	0.93958	0.84832	-0.09126	0.00290027	No	Aifm1	32.6881	70.9009	1.11703842	32.6891	70.9019	1.11701463	0.00060553	No
Cebpe	0.9716	0.5052	-0.4664	3.82E-07	No	Aifm2	0.52207	4.3184	3.04818172	0.52307	4.3194	3.04575499	0.00060553	No
Cela1	0.016885	0.11085	0.093965	7.27E-07	No	Aifm3	4.28507	1.0991	-1.9629961	4.28607	1.1001	-1.9620207	0.0245052	No
Celf3	0.18695	0.079214	-0.107736	0.00497651	No	Aim1	2.90074	0.726274	-1.9978352	2.90174	0.727274	-1.9963474	0.0019604	No
Celf4	0.076837	0.023305	-0.053532	0.00290027	No	Aim1l	0.564123	1.56536	1.47241282	0.565123	1.56636	1.47077902	0.0227145	No
Celsr3	0.078876	0.017293	-0.061583	5.13E-10	No	Aim2	32.0576	2.70353	-3.5677502	32.0586	2.70453	-3.5672616	0.00022079	No
Cers4	0.0048376	0.074571	0.0697334	7.63E-07	No	Ak1	0	11.8751	inf	0.001	11.8761	13.5357735	0.00022079	No
Cfb	0.76902	0.26199	-0.50703	4.83E-07	No	Ak3	66.791	207.79	1.63740061	66.792	207.791	1.63738595	0.00130998	No
Cfd	0.42321	0.07309	-0.35012	3.82E-07	No	Ak4	0.0544086	57.9936	10.0578433	0.0554086	57.9946	10.0315929	0.00348745	No
Cftr	0.083203	0.011436	-0.071767	3.61E-09	No	Akap1	4.28296	10.1879	1.2501766	4.28396	10.1889	1.24998139	0.00363736	No
Cgref1	0.72467	0.389	-0.33567	0.00030384	No	Akap13	48.2332	11.142	-2.1140183	48.2342	11.143	-2.1139187	0.00022079	No
Chad	0.74153	0.61104	-0.13049	0.0002817	No	Akap17b	12.4551	1.7921	-2.7970136	12.4561	1.7931	-2.7963246	0.00022079	No
Chchd2	0.71386	0.36243	-0.35143	0.00135614	No	Akap2	4.38518	37.4778	3.0953283	4.38618	37.4788	3.09503784	0.00022079	No
Chchd5	0.12535	0.01355	-0.1118	7.99E-06	No	Akap7	2.05912	8.26807	2.00552269	2.06012	8.26907	2.00499671	0.0019604	No
Chd5	0.25368	0.091358	-0.162322	6.26E-05	No	Akap8	83.7115	32.8272	-1.3505341	83.7125	32.8282	-1.3505074	0.00022079	No
Chrd	0.055277	0.25284	0.197563	3.77E-08	No	Akirin1	55.0937	20.0565	-1.4578175	55.0947	20.0575	-1.4577717	0.00022079	No
Chrdl2	0.2373	0.060633	-0.176667	0.00011578	No	Akna	56.2104	4.11014	-3.7735776	56.2114	4.11114	-3.7732523	0.00022079	No
Chrm1	0.65899	0.32223	-0.33676	0.00244273	No	Akr1a1	181.558	582.179	1.6810323	181.559	582.18	1.68102683	0.00022079	No
Chrna4	0.20313	0.11753	-0.0856	0.00068845	No	Akr1b10	0	1.05843	inf	0.001	1.05943	10.0490726	0.0114056	No
Cilp2	0.21988	0.090699	-0.129181	0.02731997	No	Akr1c1	0	35.745	inf	0.001	35.746	15.1254942	0.00022079	No
Cistr	0.02231	0.079562	0.057252	0.00161991	No	Akr1c12	0	2.17616	inf	0.001	2.17716	11.0882317	0.00022079	No
Ckm	0.69679	0.1417	-0.55509	1.02E-06	No	Akr1e2	1.21397	31.74	4.70849745	1.21497	31.741	4.70735498	0.00022079	No
Cldn19	0.65438	0.36074	-0.29364	0.00105615	No	Akr7a2	20.2543	245.251	3.59795889	20.2553	245.252	3.59789354	0.00022079	No
Cldn3	0.098973	0.034581	-0.064392	4.78E-08	No	Akr7a3	1.83863	220.819	6.90808932	1.83963	220.82	6.9073114	0.00022079	No
Cldn7	0.14368	0.035256	-0.108424	8.49E-05	No	Akt2	53.3597	21.0249	-1.3436516	53.3607	21.0259	-1.34361	0.00022079	No
Cldn8	0.89078	0.64484	-0.24594	0.00021466	No	Akt3	14.6123	4.01779	-1.8627092	14.6133	4.01879	-1.8624489	0.0475016	No
Clic6	0.094465	0.025672	-0.068793	0.0074695	No	Aktip	8.5611	143.592	4.06803539	8.5621	143.593	4.06787693	0.00022079	No
Clmp	0.11044	0.05064	-0.0598	0.01660198	No	Alad	5.65127	75.9536	3.74847132	5.65227	75.9546	3.74823505	0.00022079	No
Clps	0.73765	0.26335	-0.4743	1.81E-12	No	Alas1	6.25721	40.2455	2.68523605	6.25821	40.2465	2.68504135	0.00022079	No
Clvs2	0.098704	0.035875	-0.062829	8.98E-09	No	Alas2	0.153411	6.21347	5.33992535	0.154411	6.21447	5.33078392	0.0348495	No
Cmss1	0.37489	0.11125	-0.26364	1.28E-05	No	Alcam	0.474629	5.44128	3.51907391	0.475629	5.44228	3.5163026	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cnfn	0.12096	0.036344	-0.084616	0.00197715	No	Aldh16a1	13.4208	47.2306	1.81525119	13.4218	47.2316	1.81517424	0.00022079	No
Cnn1	0.082191	0.026086	-0.056105	0.04868237	No	Aldh18a1	8.30499	1.85798	-2.1602435	8.30599	1.85898	-2.1596409	0.00022079	No
Cnnm1	0.23226	0.09564	-0.13662	1.52E-05	No	Aldh1l1	0	121.21	inf	0.001	121.211	16.8871611	0.00022079	No
Cntn2	0.17337	0.047389	-0.125981	0.0022928	No	Aldh6a1	7.27183	105.389	3.85726201	7.27283	105.39	3.85707732	0.00022079	No
Cntnap4	0.13573	0.08444	-0.05129	0.04985963	No	Aldh7a1	0.899287	103.828	6.85119823	0.900287	103.829	6.84960875	0.00022079	No
Col11a2	0.32683	0.12635	-0.20048	1.86E-06	No	Aldh8a1	0.104216	47.5578	8.83396138	0.105216	47.5588	8.82021439	0.00896558	No
Col16a1	0.28809	0.068056	-0.220034	7.23E-08	No	Aldh9a1	32.036	93.5161	1.54552074	32.037	93.5171	1.54549113	0.00022079	No
Col26a1	0.23179	0.060253	-0.171537	0.00123983	No	Alg10	36.7134	7.39653	-2.3113862	36.7144	7.39753	-2.3112305	0.00022079	No
Col5a3	0.20463	0.047151	-0.157479	3.82E-07	No	Alg14	6.05553	17.7844	1.55428716	6.05653	17.7854	1.55413006	0.00060553	No
Commd5	0.55538	0.11455	-0.44083	1.15E-05	No	Alkbh1	22.3606	7.42365	-1.5907583	22.3616	7.42465	-1.5906285	0.0395387	No
Comp	0.099951	0.02903	-0.070921	9.27E-05	No	Alkbh2	9.43031	22.4473	1.25116482	9.43131	22.4483	1.25107612	0.0199689	No
Copz2	0.28698	0.15922	-0.12776	0.00364323	No	Alkbh4	18.4997	4.60115	-2.0074355	18.5007	4.60215	-2.0071999	0.00022079	No
Corin	0.064156	0.013065	-0.051091	3.39E-05	No	Alkbh7	25.8173	71.0013	1.45950731	25.8183	71.0023	1.45947175	0.0410904	No
Cort	0.65105	0.39417	-0.25688	0.00866691	No	Alms1	9.58259	3.94911	-1.2788881	9.58359	3.95011	-1.2786734	0.00436941	No
Cox6b2	0.89015	0.53626	-0.35389	1.60E-07	No	Alox15	0.108258	1.04182	3.26656049	0.109258	1.04282	3.25467933	0.0245052	No
Cpeb1	0.26794	0.067739	-0.200201	0.00012978	No	Alox5ap	1.41868	4.2135	1.57046992	1.41968	4.2145	1.5697957	0.039861	No
Cplx1	0.089384	0.028615	-0.060769	6.26E-05	No	Aloxe3	0	0.975659	inf	0.001	0.976659	9.93171112	0.00022079	No
Cpne6	0.73509	0.17588	-0.55921	3.07E-06	No	Alpl	0.160197	27.5194	7.42445807	0.161197	27.5204	7.41553273	0.00041963	No
Cpne7	0.14227	0.069841	-0.072429	0.02965439	No	Als2	1.10001	4.30418	1.96822177	1.10101	4.30518	1.96724599	0.00022079	No
Cpne9	0.23767	0.067288	-0.170382	1.03E-05	No	Alx1	0	1.85551	inf	0.001	1.85651	10.8583774	0.00022079	No
Cpt1c	0.14626	0.020909	-0.125351	0.00466526	No	Amacr	6.76457	62.7994	3.21468064	6.76557	62.8004	3.21449036	0.00022079	No
Crabp2	0.54658	0.21375	-0.33283	0.00049864	No	Amd1	19.7437	49.3715	1.3222861	19.7447	49.3725	1.32224225	0.00022079	No
Cracr2b	0.1482	0.025452	-0.122748	0.0022928	No	Amdhd2	9.37929	51.227	2.44935378	9.38029	51.228	2.44922814	0.00022079	No
Crb2	0.59894	0.14346	-0.45548	4.14E-09	No	Amhr2	0.635666	5.77368	3.18315032	0.636666	5.77468	3.18113238	0.00147497	No
Creb3l4	0.78358	0.30475	-0.47883	3.82E-07	No	Amica1	11.3124	2.24405	-2.3337283	11.3134	2.24505	-2.3332131	0.00060553	No
Crhr1	0.093997	0.022436	-0.071561	4.32E-06	No	Amigo1	10.4405	3.55751	-1.5532511	10.4415	3.55851	-1.5529838	0.00022079	No
Crip1	0.0012755	0.33046	0.3291845	1.74E-09	No	Amotl1	0.211624	3.56967	4.07621555	0.212624	3.57067	4.06981845	0.0219049	No
Crlf1	0.12107	0.053081	-0.067989	0.04868237	No	Amph	0.0172431	8.78101	8.99222391	0.0182431	8.78201	8.91105646	0.0195167	No
Crlf2	0.030131	0.16458	0.134449	1.15E-05	No	Amt	14.2691	50.7249	1.82979977	14.2701	50.7259	1.82972711	0.00022079	No
Crnde	0.14686	0.025237	-0.121623	3.09E-05	No	Amz1	0.347524	3.13846	3.1748723	0.348524	3.13946	3.17118652	0.0126352	No
Crnk1l	0.38286	0.20544	-0.17742	0.0022928	No	Anapc10	12.2542	4.76195	-1.3636519	12.2552	4.76295	-1.3634667	0.00147497	No
Cryba2	0.09253	0.020875	-0.071655	0.00021466	No	Anapc13	87.4338	267.455	1.61303317	87.4348	267.456	1.61302206	0.00060553	No
Crygn	0.69379	0.49466	-0.19913	6.75E-05	No	Anapc15	36.7246	73.0581	0.99229746	36.7256	73.0591	0.99227792	0.0133754	No
Csmd1	0.11908	0.032229	-0.086851	0.00012978	No	Anapc5	65.7107	119.459	0.86231533	65.7117	119.46	0.86230546	0.00818469	No
Ctgf	0.80497	0.63245	-0.17252	0.00032353	No	Anapc7	24.4915	10.9236	-1.1648327	24.4925	10.9246	-1.1647596	0.00288641	No
Ctnna2	0.12103	0.0056414	-0.1153886	1.43E-09	No	Ang	0.711544	7.85062	3.46378172	0.712544	7.85162	3.46193934	0.00096553	No
Cubn	0.74334	0.095932	-0.647408	2.83E-08	No	Angel2	25.3262	10.0503	-1.3333921	25.3272	10.0513	-1.3333055	0.0444112	No
Cux2	0.28694	0.088356	-0.198584	0.00014343	No	Angptl4	0.13808	2.28582	4.04913553	0.13908	2.28682	4.03935594	0.0117698	No
Cxcr2	0.03061	0.1844	0.15379	0.00105615	No	Ank2	0.803825	5.8189	2.8557931	0.804825	5.8199	2.85424734	0.00022079	No
Cyb561d1	0.86619	0.74323	-0.12296	0.03531391	No	Ankh	31.5104	3.18748	-3.3053399	31.5114	3.18848	-3.3049331	0.00318754	No
Cybb	0.034698	0.45979	0.425092	3.17E-08	No	Ankib1	15.6561	5.89255	-1.4097609	15.6571	5.89355	-1.4096082	0.00022079	No
Cyp26a1	0.13457	0.066242	-0.068328	0.00011422	No	Ankle1	0.465699	3.00401	2.68941993	0.466699	3.00501	2.68680551	0.045297	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cyp2t1	0.22565	0.048934	-0.176716	5.45E-07	No	Ankle2	25.7111	7.72422	-1.7349302	25.7121	7.72522	-1.7347995	0.00870822	No
Cyp4x1	0.085926	0.19537	0.109444	0.00038311	No	Ankrd1	0	3.40449	inf	0.001	3.40549	11.7336467	0.00022079	No
Cysrt1	0.21455	0.06322	-0.15133	5.77E-05	No	ANKRD10	48.0491	17.8237	-1.4307126	48.0501	17.8247	-1.4306616	0.00078858	No
Cyth2	0.82859	0.39311	-0.43548	2.19E-09	No	Ankrd11	105.249	22.5442	-2.2229783	105.25	22.5452	-2.222928	0.00022079	No
Dagla	0.10619	0.038428	-0.067762	2.74E-06	No	Ankrd12	15.9854	3.62858	-2.1392779	15.9864	3.62958	-2.1389706	0.00022079	No
Dbx1	0.24937	0.05472	-0.19465	0.00034271	No	Ankrd13a	163.301	70.047	-1.2211385	163.302	70.048	-1.2211267	0.0019604	No
Dcaf12	0.07379	0.021302	-0.052488	0.00776108	No	Ankrd24	0.439938	4.26964	3.27874231	0.440938	4.27064	3.27580457	0.00451708	No
Dcc	0.10191	0.013002	-0.088908	1.46E-05	No	Ankrd29	0.153055	3.81015	4.63772571	0.154055	3.81115	4.62870898	0.00304332	No
Dcdc2c	0.86569	0.59717	-0.26852	3.92E-06	No	Ankrd33b	0.186713	3.29375	4.14083677	0.187713	3.29475	4.13356853	0.00523184	No
Ddx39b	0.092861	0.029406	-0.063455	0.00393505	No	Ankrd40	14.716	26.5709	0.85246151	14.717	26.5719	0.85241778	0.0165181	No
Ddx3y	0.48633	0.5952	0.10887	0.04101176	No	Ankrd44	51.2274	4.88887	-3.3893427	51.2284	4.88987	-3.3890758	0.00022079	No
Ddx4	0.97112	0.91806	-0.05306	0.00380411	No	Ankrd46	13.8164	27.6749	1.00219635	13.8174	27.6759	1.00214406	0.00988585	No
Degs1	0.063634	0.0019204	-0.0617136	6.38E-06	No	Ankrd52	11.0758	5.5293	-1.0022422	11.0768	5.5303	-1.0021115	0.0162859	No
Dhh	0.077859	0.02005	-0.057809	2.85E-05	No	Ankrd6	0.764056	2.87295	1.9107826	0.765056	2.87395	1.9093977	0.00711928	No
Diras2	0.85879	0.80319	-0.0556	0.0153478	No	Ankrd9	2.14749	8.32553	1.9548907	2.14849	8.32653	1.95439233	0.0253888	No
Dkkl1	0.7446	0.32276	-0.42184	0.00014343	No	Anks4b	0.224242	19.8204	6.46578575	0.225242	19.8214	6.45943919	0.0309567	No
Dlg2	0.334	0.093508	-0.240492	1.91E-07	No	Anks6	0.551913	11.532	4.38505806	0.552913	11.533	4.38257154	0.00022079	No
Dlg3	0.26965	0.13362	-0.13603	0.00024022	No	Anp32a	180.437	105.38	-0.7758941	180.438	105.381	-0.7758884	0.0229153	No
Dlgap2	0.31335	0.089879	-0.223471	1.31E-06	No	Anp32e	96.1054	41.4411	-1.2135552	96.1064	41.4421	-1.2135354	0.00096553	No
Dlgap4	0.35706	0.24358	-0.11348	0.03319751	No	Anpep	0.16798	59.0836	8.45832445	0.16898	59.0846	8.44978584	0.00041963	No
Dlk1	0.10846	0.026244	-0.082216	0.00088439	No	Antxr1	0.0301352	4.19058	7.11955649	0.0311352	4.19158	7.07280381	0.0123897	No
Dlk2	0.13079	0.02879	-0.102	0.00055683	No	Antxr2	23.1373	2.95472	-2.9691272	23.1383	2.95572	-2.9687014	0.00022079	No
Dll1	0.035343	0.20876	0.173417	1.84E-06	No	Anxa1	24.5043	172.712	2.81726148	24.5053	172.713	2.81721096	0.00022079	No
Dll3	0.17465	0.058449	-0.116201	2.12E-06	No	Anxa11	76.8446	183.15	1.25300991	76.8456	183.151	1.25299902	0.00022079	No
Dll4	0.032234	0.12109	0.088856	0.00012333	No	Anxa13	0	2.23355	inf	0.001	2.23455	11.1257686	0.00022079	No
Dlx5	0.072507	0.016992	-0.055515	2.40E-06	No	Anxa4	3.31477	120.946	5.18931048	3.31577	120.947	5.18888724	0.00022079	No
Dmrt1	0.15545	0.04614	-0.10931	0.00012978	No	Anxa5	5.92845	388.95	6.03578594	5.92945	388.951	6.03554632	0.00022079	No
Dmrt3	0.086011	0.0338	-0.052211	0.00553374	No	Anxa7	23.5367	46.8061	0.9917845	23.5377	46.8071	0.99175403	0.00494367	No
Dmrta1	0.13575	0.037442	-0.098308	3.82E-07	No	Anxa8	0	8.11279	inf	0.001	8.11379	12.9861602	0.00022079	No
Dnai2	0.7101	0.46081	-0.24929	0.00197715	No	Anxa9	0	1.34987	inf	0.001	1.35087	10.3996731	0.00022079	No
Dnaja2	0.14112	0.04253	-0.09859	0.02144384	No	Ap1g2	42.9449	14.4449	-1.5719266	42.9459	14.4459	-1.5718603	0.010907	No
Dnajb5	0.5573	0.07836	-0.47894	1.02E-06	No	Ap1s1	21.9098	62.0628	1.50215247	21.9108	62.0638	1.50210987	0.00022079	No
Doc2a	0.50982	0.3045	-0.20532	0.03196657	No	Ap1s2	9.36804	4.02381	-1.2191851	9.36904	4.02481	-1.2189806	0.0102697	No
Dok5	0.12358	0.034697	-0.088883	0.00017491	No	Ap2a2	18.9953	43.7938	1.20508414	18.9963	43.7948	1.20504114	0.00022079	No
Dpm1	0.47117	0.26011	-0.21106	3.77E-07	No	Ap2s1	85.8297	153.483	0.83853001	85.8307	153.484	0.8385226	0.0139821	No
Dpp6	0.10561	0.028904	-0.076706	1.64E-06	No	Ap3m2	11.2685	3.65815	-1.6231093	11.2695	3.65915	-1.622843	0.00022079	No
Dpysl4	0.099181	0.026024	-0.073157	1.15E-05	No	Ap3s2	8.74843	46.1365	2.39881252	8.74943	46.1375	2.39867889	0.00022079	No
Drc1	0.74365	0.10875	-0.6349	8.88E-12	No	Ap4b1	37.7393	9.86736	-1.9353316	37.7403	9.86836	-1.9352236	0.00022079	No
Drd2	0.12797	0.027491	-0.100479	0.00334577	No	Ap4e1	6.41421	2.46703	-1.3784963	6.41521	2.46803	-1.3781366	0.00078858	No
Drd5	0.13806	0.049018	-0.089042	0.00095268	No	Ap5m1	10.6233	4.348	-1.2888081	10.6243	4.349	-1.2886122	0.0388459	No
Drgx	0.19138	0.053563	-0.137817	0.00553374	No	Apaf1	20.8871	2.29016	-3.1890919	20.8881	2.29116	-3.1885312	0.00022079	No
Drp2	0.35374	0.053796	-0.299944	0.00042212	No	Apba3	10.399	24.9605	1.26320203	10.4	24.9615	1.2631211	0.00164037	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dsc3	0.55423	0.37153	-0.1827	3.98E-06	No	Apbb1	3.38371	11.0685	1.70978189	3.38471	11.0695	1.70948592	0.00041963	No
Dscam	0.06863	0.016838	-0.051792	1.06E-05	No	Apbb1ip	70.7242	6.98511	-3.3398492	70.7252	6.98611	-3.3396631	0.00022079	No
Dscam1	0.12032	0.013718	-0.106602	0.00049864	No	Apcdd1l	0.445052	5.77162	3.6969305	0.446052	5.77262	3.69394245	0.0112749	No
Dynl1	0.20019	0.05685	-0.14334	3.93E-05	No	Apcs	0	30.4639	inf	0.001	30.4649	14.8948604	0.00022079	No
E2f4	0.3163	0.0851	-0.2312	0.0002817	No	Apitd1	45.666	87.735	0.94203206	45.667	87.736	0.94201692	0.048528	No
Ear11	0.65165	0.20251	-0.44914	0.00074247	No	Aplf	42.4815	12.7032	-1.7416427	42.4825	12.7042	-1.7415631	0.00022079	No
Ebf3	0.099794	0.022907	-0.076887	2.22E-06	No	Aplnr	0.187926	3.73647	4.31343935	0.188926	3.73747	4.30616883	0.00211842	No
Ebpl	0.70866	0.063974	-0.644686	3.82E-07	No	ALPL1	0.285298	7.18112	4.65366733	0.286298	7.18212	4.64882026	0.00022079	No
Echdc2	0.30556	0.081888	-0.223672	0.00017491	No	Aplp2	23.2379	98.7049	2.08664201	23.2389	98.7059	2.08659454	0.00022079	No
Eef1d	0.84818	0.72676	-0.12142	0.00063341	No	Apmap	8.61574	36.9051	2.09877358	8.61674	36.9061	2.09864523	0.00022079	No
Efna5	0.39137	0.14911	-0.24226	3.92E-06	No	Apoa1	0.707084	11.95	4.07898519	0.708084	11.951	4.07706701	0.00378481	No
Efnb3	0.079718	0.026086	-0.053632	0.03756776	No	APOA1BP	20.8547	58.0765	1.47758195	20.8557	58.0775	1.47753762	0.00041963	No
Egfem1	0.12417	0.02048	-0.10369	0.00334577	No	Apobec3b	12.62	1.86762	-2.7564391	12.621	1.86862	-2.7557811	0.00022079	No
Egflam	0.1164	0.014085	-0.102315	0.00553374	No	Apobr	5.02048	1.86966	-1.4250494	5.02148	1.87066	-1.4245653	0.00765035	No
Egr3	0.35731	0.12719	-0.23012	2.40E-06	No	Apoc1	0	12.407	inf	0.001	12.408	13.598983	0.00022079	No
Egr4	0.12127	0.036564	-0.084706	0.0006129	No	Apoc2	0	4.37919	inf	0.001	4.38019	12.0967777	0.00022079	No
Ehbp11	1.79E-07	0.079258	0.07925782	0.00078236	No	Apold1	0.446551	3.2782	2.87600702	0.447551	3.2792	2.8732199	0.00078858	No
Eid3	0.87251	0.69401	-0.1785	0.00113933	No	Apom	5.00594	108.71	4.44069985	5.00694	108.711	4.44042495	0.0159346	No
Eif4ebp3	0.81879	0.3462	-0.47259	2.97E-10	No	Apoo	8.38989	54.0937	2.68873678	8.39089	54.0947	2.6885915	0.00022079	No
Eif5a2	0.34963	0.19238	-0.15725	0.01148416	No	Apool	6.43365	22.4336	1.80195179	6.43465	22.4346	1.80179188	0.00078858	No
Elavl2	0.086737	0.035074	-0.051663	0.0153478	No	App	58.1065	445.714	2.93934681	58.1075	445.715	2.93932522	0.00041963	No
Elavl3	0.078571	0.026905	-0.051666	0.02257431	No	Appl2	0.558899	11.717	4.38987183	0.559899	11.718	4.38741594	0.00022079	No
Emc10	0.41424	0.11621	-0.29803	4.22E-05	No	Aqp2	0	135.008	inf	0.001	135.009	17.0426961	0.00022079	No
Emid1	0.93731	0.12031	-0.817	8.88E-12	No	Aqp3	0	37.1747	inf	0.001	37.1757	15.1820723	0.00022079	No
Eno2	0.84348	0.57149	-0.27199	0.00048245	No	Aqp4	0	1.57191	inf	0.001	1.57291	10.6192204	0.00022079	No
Enpp1	0.073732	0.021612	-0.05212	0.0190918	No	Aqp7	0	21.0403	inf	0.001	21.0413	14.3609362	0.00022079	No
Enpp3	0.16737	0.05822	-0.10915	0.00123983	No	Aqr	22.3085	10.0645	-1.148318	22.3095	10.0655	-1.1482393	0.0412912	No
Epcam	0.81133	0.1405	-0.67083	4.83E-07	No	Arap1	43.2921	19.0567	-1.1838055	43.2931	19.0577	-1.1837631	0.00392909	No
Epha4	0.099516	0.026793	-0.072723	2.88E-05	No	Arap2	8.55697	3.41867	-1.3236649	8.55797	3.41967	-1.3234115	0.0147132	No
Ephb3	0.34554	0.19884	-0.1467	0.0153478	No	Arap3	3.85583	12.5718	1.70507788	3.85683	12.5728	1.70481852	0.00227055	No
Epn1	0.88929	0.1065	-0.78279	1.81E-12	No	Arel1	24.2996	10.6259	-1.1933475	24.3006	10.6269	-1.1932711	0.00060553	No
Epo	0.25331	0.054572	-0.198738	0.00123983	No	Arf2	4.19207	9.93293	1.24455654	4.19307	9.93393	1.24435767	0.00536605	No
Erf	0.82842	0.64981	-0.17861	0.00197715	No	Arf4	63.2454	108.022	0.77229271	63.2464	108.023	0.77228325	0.0160426	No
Erich6	0.41276	0.18185	-0.23091	4.32E-06	No	Arglu1	184.442	57.3529	-1.6852289	184.443	57.3539	-1.6852115	0.00022079	No
Espnl	0.83112	0.25938	-0.57174	7.63E-07	No	Arhgap1	54.2828	22.842	-1.2488062	54.2838	22.843	-1.2487696	0.00164037	No
Esr1	0.22911	0.10053	-0.12858	0.00135614	No	Arhgap10	2.57242	11.4855	2.15861555	2.57342	11.4865	2.15818043	0.00022079	No
Esrp2	0.19022	0.048697	-0.141523	1.31E-06	No	Arhgap11a	0.420198	2.13639	2.34603384	0.421198	2.13739	2.34327968	0.00422081	No
Evx1	0.22833	0.10047	-0.12786	0.00934082	No	Arhgap12	15.1107	8.21014	-0.8800918	15.1117	8.21114	-0.8800115	0.0164052	No
Exoc3l4	0.18752	0.061852	-0.125668	0.00290027	No	Arhgap15	114.235	5.5564	-4.3617105	114.236	5.5574	-4.3614635	0.00022079	No
Fabp3	0.26579	0.055387	-0.210403	0.00010392	No	Arhgap17	62.0553	27.1716	-1.1914549	62.0563	27.1726	-1.1914251	0.00333723	No
Fabp7	0.87012	0.39526	-0.47486	5.45E-07	No	Arhgap18	3.07677	20.4686	2.73392392	3.07777	20.4696	2.73352558	0.00022079	No
Fam101a	0.60071	0.096897	-0.503813	5.45E-07	No	Arhgap20	0	1.34462	inf	0.001	1.34562	10.3940553	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fam129a	0.0013082	0.063487	0.0621788	2.88E-05	No	Arhgap21	0.492363	6.0801	3.6263008	0.493363	6.0811	3.62361088	0.00022079	No
Fam131b	0.11255	0.036282	-0.076268	0.00197715	No	Arhgap22	0.0837066	12.8887	7.26654966	0.0847066	12.8897	7.24952859	0.00022079	No
Fam132a	0.78519	0.2343	-0.55089	2.15E-11	No	Arhgap24	0.203593	156.244	9.58389711	0.204593	156.245	9.57683752	0.00022079	No
Fam150b	0.062406	0.010086	-0.05232	1.67E-05	No	Arhgap29	0.0242656	35.4305	10.5118636	0.0252656	35.4315	10.4536424	0.00022079	No
Fam163b	0.13925	0.022516	-0.116734	6.26E-05	No	Arhgap32	0	5.17266	inf	0.001	5.17366	12.3369695	0.0421044	No
Fam193b	0.46741	0.20902	-0.25839	0.00393505	No	Arhgap35	2.49731	13.115	2.39277098	2.49831	13.116	2.3923034	0.00022079	No
Fam19a4	0.063132	0.011394	-0.051738	1.76E-08	No	Arhgap39	1.34151	2.70647	1.01255459	1.34251	2.70747	1.01201252	0.0465045	No
Fam20a	0.08059	0.01964	-0.06095	0.00088439	No	Arhgap4	122.538	67.983	-0.8499833	122.539	67.984	-0.8499738	0.0391441	No
Fam217a	0.30712	0.067779	-0.239341	1.81E-12	No	Arhgap42	0	4.43542	inf	0.001	4.43642	12.1151802	0.00022079	No
Fam221b	0.20857	0.063243	-0.145327	0.0017676	No	Arhgap44	0.0672321	3.0074	5.48322274	0.0682321	3.0084	5.46240197	0.00022079	No
Fam55b	0.93038	0.15792	-0.77246	2.83E-08	No	Arhgap5	0.201441	12.9518	6.00665145	0.202441	12.9528	5.99961868	0.00022079	No
Fam71e2	0.97014	0.84617	-0.12397	9.44E-05	No	Arhgap6	0.725127	4.04025	2.47813897	0.726127	4.04125	2.4765078	0.00041963	No
Fam83f	0.40927	0.050503	-0.358767	2.29E-09	No	Arhgap9	173.855	69.3592	-1.3257254	173.856	69.3602	-1.3257129	0.00096553	No
Fam89a	0.022333	0.201	0.178667	2.22E-06	No	Arhgdib	1942.32	203.35	-3.255744	1942.321	203.351	-3.2557377	0.00022079	No
Fance	0.33738	0.26333	-0.07405	0.00667305	No	Arhgef1	515.068	54.364	-3.2440394	515.069	54.365	-3.2440157	0.00022079	No
Fat1	0.096754	0.02284	-0.073914	0.00113933	No	Arhgef10l	0.117731	24.783	7.71771278	0.118731	24.784	7.70556858	0.00022079	No
Fat3	0.17902	0.058187	-0.120833	0.00014343	No	Arhgef12	1.29193	15.7823	3.61070766	1.29293	15.7833	3.6096828	0.00022079	No
Fbxl14	0.1805	0.04503	-0.13547	5.45E-07	No	Arhgef18	54.1809	13.8379	-1.9691593	54.1819	13.8389	-1.9690817	0.00022079	No
Fbxl17	0.27955	0.063434	-0.216116	0.00636684	No	Arhgef19	0	4.84129	inf	0.001	4.84229	12.2414738	0.00022079	No
Fbxo24	0.86907	0.51433	-0.35474	4.68E-10	No	Arhgef28	0.0291482	22.0539	9.56341129	0.0301482	22.0549	9.51481164	0.00113657	No
Fbxw17	0.29976	0.035095	-0.264665	4.70E-08	No	Arhgef40	0.0476235	9.08033	7.57492727	0.0486235	9.08133	7.54510605	0.00022079	No
Fcgr3a	0.82911	0.72082	-0.10829	0.03425917	No	Arhgef6	55.6521	5.19017	-3.4225824	55.6531	5.19117	-3.4223304	0.00022079	No
Fdps	0.13044	0.016777	-0.113663	0.00092233	No	Arid1a	67.0353	14.6741	-2.191649	67.0363	14.6751	-2.1915722	0.00022079	No
Fez1	0.40219	0.14258	-0.25961	1.41E-05	No	Arid3b	13.4744	1.78596	-2.9154494	13.4754	1.78696	-2.9147489	0.00022079	No
Fezf2	0.083622	0.01859	-0.065032	3.45E-06	No	Arid4a	28.6449	7.35782	-1.960928	28.6459	7.35882	-1.9607823	0.0383328	No
Ffar1	0.59911	0.39877	-0.20034	0.02257431	No	Arid4b	12.9991	2.28975	-2.5051497	13.0001	2.29075	-2.5046308	0.00022079	No
Ffar2	0.83666	0.41943	-0.41723	1.47E-06	No	Arid5a	13.7962	4.59937	-1.5847628	13.7972	4.60037	-1.5845537	0.00211842	No
Fgf16	0.069388	0.0074763	-0.0619117	0.00088439	No	Arid5b	20.006	3.78198	-2.4032191	20.007	3.78298	-2.4029098	0.00022079	No
Fgf19	0.11998	0.05119	-0.06879	0.03196657	No	Arih1	25.2207	15.4277	-0.7090853	25.2217	15.4287	-0.709049	0.0424075	No
Fgf21	0.81746	0.66641	-0.15105	0.00290027	No	Arih2	30.6944	14.4777	-1.084143	30.6954	14.4787	-1.0840904	0.00096553	No
Fgf3	0.11429	0.038739	-0.075551	0.00510288	No	Arl1	22.3393	91.0601	2.02723506	22.3403	91.0611	2.02718633	0.00022079	No
Fgf4	0.12379	0.014169	-0.109621	1.28E-05	No	Arl15	7.12642	21.3805	1.58504617	7.12742	21.3815	1.58491122	0.00130998	No
Fgf6	0.74971	0.10135	-0.64836	1.81E-12	No	Arl2	28.0157	105.013	1.90626049	28.0167	105.014	1.90622273	0.00041963	No
Fhl3	0.012568	0.22505	0.212482	1.86E-06	No	Arl3	53.1896	118.963	1.16129684	53.1906	118.964	1.16128185	0.00113657	No
Fibp	0.74126	0.5449	-0.19636	0.0074695	No	Arl5b	6.33938	3.75298	-0.7563051	6.34038	3.75398	-0.7561483	0.0395387	No
Fitm1	0.23614	0.11791	-0.11823	0.0153478	No	Arl5c	83.8043	8.27843	-3.3395952	83.8053	8.27943	-3.3394381	0.00022079	No
Flnc	0.1474	0.041912	-0.105488	4.45E-05	No	ARL6	1.60643	17.1497	3.41625332	1.60743	17.1507	3.41543964	0.00022079	No
Flrt3	0.10871	0.040425	-0.068285	0.00290027	No	Arl6ip1	25.6848	41.6969	0.69902529	25.6858	41.6979	0.69900372	0.0310553	No
Fn3k	0.92937	0.18878	-0.74059	3.82E-07	No	Arl6ip5	147.276	38.3547	-1.9410471	147.277	38.3557	-1.9410192	0.00022079	No
Foxa3	0.11544	0.027335	-0.088105	2.91E-06	No	Armc9	5.25268	11.2664	1.100901	5.25368	11.2674	1.10075441	0.0455876	No
Foxc2	0.11674	0.030702	-0.086038	0.0002817	No	Armcx3	2.04724	11.8168	2.52908726	2.04824	11.8178	2.52850481	0.00022079	No
Foxd1	0.072201	0.012454	-0.059747	0.04101176	No	Arnt2	0	18.6341	inf	0.001	18.6351	14.1857349	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Foxe1	0.22179	0.065922	-0.155868	0.00038311	No	Arpc1a	75.2791	120.596	0.67986077	75.2801	120.597	0.67985357	0.0391441	No
Foxe3	0.2598	0.077407	-0.182393	0.00023579	No	Arpc1b	744.832	144.815	-2.362704	744.833	144.816	-2.362696	0.00022079	No
Foxg1	0.4122	0.11917	-0.29303	3.82E-07	No	Arpc2	891.699	361.418	-1.3028884	891.7	361.419	-1.3028861	0.020304	No
Foxj1	0.78479	0.22199	-0.5628	1.22E-10	No	Arpc3	336.895	188.318	-0.8391281	336.896	188.319	-0.8391247	0.0142227	No
Foxn4	0.098924	0.028533	-0.070391	5.03E-06	No	Arpc5	238.825	85.2192	-1.4867035	238.826	85.2202	-1.4866926	0.00022079	No
Foxo3	0.016475	0.18735	0.170875	1.15E-06	No	Arpp21	99.715	17.5864	-2.5033504	99.716	17.5874	-2.5032828	0.00022079	No
Foxp4	0.0018519	0.063739	0.0618871	2.88E-05	No	Arrb2	158.643	22.6727	-2.8067558	158.644	22.6737	-2.8067012	0.00022079	No
Foxred2	0.47553	0.086932	-0.388598	1.81E-12	No	Arrdc1	34.7757	62.8822	0.85457214	34.7767	62.8832	0.8545536	0.0165181	No
Foxs1	0.77815	0.56686	-0.21129	2.09E-05	No	Arrdc2	34.3349	11.0983	-1.6293371	34.3359	11.0993	-1.6292491	0.00041963	No
Frg1	0.48695	0.098564	-0.388386	0.00042212	No	Arrdc3	32.4332	101.935	1.65210622	32.4342	101.936	1.65207589	0.00041963	No
Frmf3	0.13621	0.019982	-0.116228	1.81E-12	No	Arrdc4	0.282875	4.33398	3.93745591	0.283875	4.33498	3.93269763	0.00022079	No
Fry	0.65329	0.32291	-0.33038	1.74E-09	No	Arsa	2.82393	28.3042	3.32523991	2.82493	28.3052	3.32478009	0.00022079	No
Fscn2	0.86214	0.7888	-0.07334	0.00048245	No	Arsb	3.96712	33.3438	3.07125459	3.96812	33.3448	3.07093424	0.00022079	No
Fut1	0.96133	0.87257	-0.08876	0.00123983	No	Arse	6.38058	14.3427	1.16855716	6.38158	14.3437	1.16843165	0.0224751	No
Fut2	0.8074	0.65856	-0.14884	0.00148947	No	Arsg	0.72826	3.15162	2.11356808	0.72926	3.15262	2.11204612	0.00672121	No
Fut7	0.71549	0.60436	-0.11113	0.03319751	No	Art2b	176.502	2.64008	-6.0629591	176.503	2.64108	-6.0624209	0.00022079	No
Fzd10	0.045013	0.20484	0.159827	1.61E-05	No	As3mt	9.89007	31.2852	1.66142769	9.89107	31.2862	1.66132794	0.00022079	No
Fzd2	0.070558	0.015072	-0.055486	0.00095268	No	Asah1	4.80687	36.4271	2.92184245	4.80787	36.4281	2.92158196	0.00022079	No
Fzd5	0.88804	0.31797	-0.57007	1.82E-12	No	Asah2	0	1.09837	inf	0.001	1.09937	10.1024613	0.00022079	No
Gabbr2	0.16726	0.049167	-0.118093	0.00163733	No	Asap1	28.2705	3.50821	-3.0104904	28.2715	3.50921	-3.0101302	0.00022079	No
Gabra1	0.079654	0.024597	-0.055057	4.22E-07	No	Asap2	0.0745946	10.3145	7.11138698	0.0755946	10.3155	7.09231485	0.00022079	No
Gabra5	0.10369	0.015987	-0.087703	2.29E-05	No	Asap3	0.380637	2.16074	2.50503777	0.381637	2.16174	2.50192006	0.0145886	No
Gabrb1	0.067641	0.016368	-0.051273	0.00306475	No	Asb13	38.687	19.7384	-0.9708438	38.688	19.7394	-0.970808	0.00765035	No
Gabrg3	0.093708	0.013893	-0.079815	7.02E-06	No	Asb3	10.8312	4.93502	-1.1340653	10.8322	4.93602	-1.1339061	0.00962607	No
Gabrr1	0.86251	0.68735	-0.17516	0.00055683	No	Ascc3	19.2954	7.46459	-1.370122	19.2964	7.46559	-1.3700035	0.0269702	No
Gad1	0.18724	0.054293	-0.132947	3.09E-05	No	Asgr1	0	3.70494	inf	0.001	3.70594	11.8556238	0.00022079	No
Gal	0.14581	0.052112	-0.093698	0.01000157	No	Asl	7.43901	70.2377	3.23906306	7.44001	70.2387	3.23888968	0.00211842	No
Gal3st1	0.46053	0.13133	-0.3292	1.86E-06	No	Asmtl	28.3528	108.354	1.93418929	28.3538	108.355	1.93415172	0.00022079	No
Gal3st3	0.057666	0.12387	0.066204	0.00636684	No	Aspa	0.221949	47.1875	7.73203272	0.222949	47.1885	7.72557777	0.00022079	No
Galnt16	0.20578	0.058549	-0.147231	6.75E-05	No	Aspdh	14.1182	91.4776	2.69586235	14.1192	91.4786	2.69577594	0.00022079	No
Galnt2	0.77034	0.3389	-0.43144	4.32E-06	No	ASPH	0.743802	8.93006	3.58567934	0.744802	8.93106	3.58390256	0.00022079	No
Galnt4	0.87861	0.81142	-0.06719	0.01155321	No	Aspscr1	31.2556	122.05	1.96528569	31.2566	122.051	1.96525136	0.00113657	No
Galnt9	0.1517	0.048203	-0.103497	0.00510288	No	Asun	26.0647	12.6039	-1.048227	26.0657	12.6049	-1.0481679	0.00765035	No
Galr1	0.11481	0.039242	-0.075568	1.41E-11	No	Asxl1	40.2288	9.77627	-2.0408727	40.2298	9.77727	-2.040761	0.00022079	No
Galr2	0.2417	0.07492	-0.16678	0.00799193	No	Asxl2	11.4199	3.80259	-1.5864957	11.4209	3.80359	-1.5862427	0.00022079	No
Garem2	0.22776	0.075652	-0.152108	0.00026127	No	Atad2	11.4404	1.63032	-2.8109104	11.4414	1.63132	-2.8101519	0.00022079	No
Gas2l2	0.7127	0.30837	-0.40433	2.88E-05	No	Atf1	55.7333	22.5378	-1.3061929	55.7343	22.5388	-1.3061548	0.00060553	No
Gas6	0.037207	0.22209	0.184883	2.14E-06	No	Atf3	0.0658001	58.4469	9.79482101	0.0668001	58.4479	9.77308521	0.00909283	No
Gata2	0.56215	0.11334	-0.44881	3.82E-07	No	Atf7ip	53.2827	12.2505	-2.1208266	53.2837	12.2515	-2.1207359	0.00060553	No
Gata4	0.072516	0.019028	-0.053488	0.01660198	No	ATG101	28.9711	55.4839	0.93745474	28.9721	55.4849	0.93743094	0.0110257	No
Gata5	0.048909	0.15418	0.105271	0.00023579	No	Atg12	46.2104	15.3691	-1.5881849	46.2114	15.3701	-1.5881222	0.00022079	No
Gata6	0.14703	0.06456	-0.08247	0.00026127	No	Atg14	7.41553	4.07619	-0.8633285	7.41653	4.07719	-0.8631692	0.030773	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gba	0.97799	0.62884	-0.34915	3.82E-07	No	Atg2b	12.6741	4.49622	-1.4950988	12.6751	4.49722	-1.4948918	0.00022079	No
Gbx2	0.24758	0.07664	-0.17094	0.00020679	No	Atg9a	32.0635	15.1774	-1.0790072	32.0645	15.1784	-1.0789572	0.00130998	No
Gcs1	0.70725	0.6223	-0.08495	0.01783979	No	Atic	51.0042	30.0698	-0.7623008	51.0052	30.0708	-0.7622811	0.0189519	No
Gdap1	0.08324	0.020559	-0.062681	5.77E-05	No	Atl1	0.34909	1.25483	1.84582099	0.35009	1.25583	1.84284342	0.0191747	No
Gdap1l1	0.11054	0.027662	-0.082878	0.00866691	No	Atl2	31.3195	11.7754	-1.4112851	31.3205	11.7764	-1.4112087	0.00022079	No
Gdf10	0.21925	0.061929	-0.157321	2.74E-06	No	Atm	29.3125	3.34601	-3.1310024	29.3135	3.34701	-3.1306205	0.00022079	No
Gdf15	0.53823	0.10111	-0.43712	3.82E-07	No	Atoh8	0	1.38638	inf	0.001	1.38738	10.4381473	0.00022079	No
Gdf7	0.09226	0.039449	-0.052811	0.00019244	No	Atox1	62.8509	236.832	1.91385872	62.8519	236.833	1.91384186	0.00022079	No
Gfer	0.89298	0.81043	-0.08255	0.00197715	No	Atp10b	0	1.07723	inf	0.001	1.07823	10.0744492	0.00022079	No
Gfod1	0.45856	0.16362	-0.29494	0.00105615	No	ATP11B	39.6854	8.15936	-2.2820804	39.6864	8.16036	-2.28194	0.00022079	No
Gfpt2	0.61356	0.10618	-0.50738	1.31E-05	No	Atp13a1	73.5139	29.9289	-1.2964778	73.5149	29.9299	-1.2964492	0.00022079	No
Ggn	0.77242	0.61075	-0.16167	0.01245124	No	Atp1a1	83.2501	1030.89	3.63029458	83.2511	1030.891	3.63027865	0.00022079	No
Ghsr	0.21245	0.099862	-0.112588	2.57E-12	No	Atp1b1	2.10062	1285.75	9.25757923	2.10162	1285.751	9.25689373	0.00022079	No
Gipc3	0.80717	0.27234	-0.53483	2.84E-09	No	Atp2b1	16.1366	6.08831	-1.4062229	16.1376	6.08931	-1.4060754	0.00022079	No
Gja3	0.72001	0.5123	-0.20771	0.0153478	No	Atp2b4	10.1299	5.52301	-0.8750933	10.1309	5.52401	-0.8749745	0.0308614	No
Gja8	0.11481	0.4646	0.34979	2.06E-05	No	Atp2c1	8.32767	31.7656	1.93148046	8.32867	31.7666	1.93135265	0.00022079	No
Gjd2	0.06853	0.015441	-0.053089	0.00019244	No	Atp5a1	269.585	852.839	1.66153319	269.586	852.84	1.66152953	0.00022079	No
Gldn	0.079682	0.029361	-0.050321	0.00049864	No	Atp5b	362.94	1911.41	2.3968343	362.941	1911.411	2.39683108	0.00022079	No
Glra1	0.14296	0.02151	-0.12145	0.00046099	No	Atp5c1	133.241	515.709	1.95251914	133.242	515.71	1.95251111	0.00022079	No
Gnas	0.35987	0.14186	-0.21801	1.96E-12	No	Atp5d	133.763	683.503	2.35326856	133.764	683.504	2.35325989	0.00022079	No
Gnaz	0.76819	0.25415	-0.51404	1.81E-12	No	Atp5e	782.902	2210.02	1.49715579	782.903	2210.021	1.4971546	0.0127657	No
Gng11	0.020077	0.086082	0.066005	5.48E-07	No	ATP5F1	58.9049	172.555	1.55059672	58.9059	172.556	1.55058059	0.00022079	No
Gng7	0.55544	0.11975	-0.43569	8.96E-07	No	Atp5i	404.834	3378.91	3.06115556	404.835	3378.911	3.06115242	0.00022079	No
Gnmt	0.78635	0.27181	-0.51454	4.29E-07	No	Atp5j	279.827	973.7	1.79894217	279.828	973.701	1.7989385	0.00022079	No
Gp1bb	0.31307	0.19842	-0.11465	0.02731997	No	Atp5j2	516.357	1925.01	1.89842517	516.358	1925.011	1.89842313	0.00022079	No
Gpr139	0.063983	0.012317	-0.051666	1.44E-07	No	Atp5l	318.129	1304.88	2.03623334	318.13	1304.881	2.03622991	0.00022079	No
Gpr146	0.58147	0.050547	-0.530923	1.74E-09	No	Atp5o	132.615	994.933	2.90735541	132.616	994.934	2.90734598	0.00022079	No
Gpr150	0.23745	0.095115	-0.142335	0.00161991	No	Atp5s	0.674195	19.5947	4.86115375	0.675195	19.5957	4.85908908	0.00113657	No
Gpr26	0.28479	0.093762	-0.191028	9.51E-11	No	Atp6ap2	16.8418	93.8799	2.47876997	16.8428	93.8809	2.47869968	0.00022079	No
Gpr4	0.98874	0.93274	-0.056	0.00135614	No	Atp6v0a1	2.01997	15.6187	2.95086861	2.02097	15.6197	2.95024693	0.00022079	No
Gpr50	0.19464	0.044201	-0.150439	0.00438283	No	Atp6v0a2	21.2582	11.0942	-0.9382138	21.2592	11.0952	-0.9381516	0.00738919	No
Gpr6	0.14848	0.072651	-0.075829	0.00438283	No	Atp6v0a4	0.0331314	37.8291	10.1570816	0.0341314	37.8301	10.1142193	0.00022079	No
Gpr81	0.88686	0.12838	-0.75848	3.82E-07	No	Atp6v0b	50.8678	184.682	1.86021866	50.8688	184.683	1.86019811	0.00022079	No
Gpr83	0.45314	0.17078	-0.28236	3.57E-06	No	Atp6v0c	140.811	453.299	1.68670294	140.812	453.3	1.68669588	0.00022079	No
Gpsm3	0.0064286	0.16441	0.1579814	0.0001571	No	Atp6v0d1	104.792	282.548	1.43096739	104.793	282.549	1.43095873	0.00022079	No
Gpx2	0.49138	0.15407	-0.33731	1.95E-08	No	Atp6v0d2	0	37.3235	inf	0.001	37.3245	15.1878353	0.00022079	No
Gpx7	0.29773	0.19736	-0.10037	0.00693052	No	Atp6v0e1	89.4299	264.124	1.56238623	89.4309	264.125	1.56237556	0.00022079	No
Grasp	0.02107	0.33811	0.31704	3.82E-07	No	Atp6v0e2	15.3309	55.0916	1.84538997	15.3319	55.0926	1.84532206	0.00022079	No
Grb10	0.55779	0.20449	-0.3533	7.75E-05	No	Atp6v1a	8.1369	63.3663	2.96116461	8.1379	63.3673	2.96101009	0.00022079	No
Grhl2	0.09869	0.029476	-0.069214	0.02731997	No	Atp6v1b1	0.050776	78.795	10.5997416	0.051776	78.796	10.5716232	0.00618779	No
Grid1	0.10431	0.040132	-0.064178	0.04318305	No	Atp6v1b2	29.3675	85.8517	1.54762625	29.3685	85.8527	1.54759392	0.00022079	No
Grik1	0.090432	0.028497	-0.061935	1.81E-12	No	Atp6v1c1	32.0596	51.6856	0.68900597	32.0606	51.6866	0.68898888	0.0379944	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Grik3	0.10233	0.030512	-0.071818	2.40E-06	No	Atp6v1d	34.6409	81.0059	1.22555058	34.6419	81.0069	1.22552674	0.00022079	No
Grin2a	0.14474	0.033812	-0.110928	6.75E-05	No	Atp6v1e1	24.2859	156.267	2.68582229	24.2869	156.268	2.68577212	0.00022079	No
Grin2c	0.31235	0.09905	-0.2133	2.29E-05	No	Atp6v1f	77.6425	257.554	1.72995647	77.6435	257.555	1.72994349	0.00022079	No
Grin2d	0.42511	0.22579	-0.19932	0.00290027	No	Atp6v1g3	0.302619	48.7818	7.33269661	0.303619	48.7828	7.32796668	0.0258481	No
Grm1	0.15822	0.044334	-0.113886	4.68E-10	No	Atp6v1h	18.5476	35.5682	0.93935545	18.5486	35.5692	0.93931823	0.0112749	No
Grm7	0.11748	0.028833	-0.088647	1.81E-12	No	Atp8a1	16.1591	6.94353	-1.2186056	16.1601	6.94453	-1.2184872	0.00022079	No
Grwd1	0.14863	0.065547	-0.083083	0.03531391	No	Atp8b1	0	5.31238	inf	0.001	5.31338	12.3754142	0.00022079	No
Gsc	0.10802	0.049041	-0.058979	0.0021362	No	Atp8b2	10.4465	3.75725	-1.4752706	10.4475	3.75825	-1.4750248	0.00096553	No
Gspt2	0.021476	0.0054059	-0.0160701	0.0076165	No	Atp9a	0.564206	45.5303	6.33446115	0.565206	45.5313	6.33193806	0.00022079	No
Gstt3	0.31929	0.084202	-0.235088	0.0006129	No	Atpaf1	5.33303	11.0124	1.04610157	5.33403	11.0134	1.04596207	0.00378481	No
Gsx1	0.077066	0.021805	-0.055261	0.0017676	No	Atpaf2	15.1457	31.255	1.04517874	15.1467	31.256	1.04512965	0.0123897	No
Guca1a	0.025862	0.22316	0.197298	5.73E-06	No	Atpif1	182.582	945.856	2.37307602	182.583	945.857	2.37306964	0.00041963	No
Gucy2e	0.29451	0.39678	0.10227	0.02027674	No	Atr	3.45352	1.36868	-1.3352824	3.45452	1.36968	-1.3346464	0.00318754	No
H1fnt	0.98054	0.78733	-0.19321	0.0006129	No	Atraid	9.68055	35.5188	1.87542192	9.68155	35.5198	1.87531351	0.0478822	No
H2afx	0.075912	0.010094	-0.065818	1.99E-06	No	Atrip	13.128	58.1587	2.14734788	13.129	58.1597	2.14726279	0.0200735	No
H2afy2	0.093751	0.039492	-0.054259	0.00197715	No	Atrn	5.118	12.7558	1.31750133	5.119	12.7568	1.31733257	0.00078858	No
Hal	0.58998	0.30177	-0.28821	0.00334577	No	Atrnl1	0.564159	7.74567	3.77921631	0.565159	7.74667	3.77684757	0.00022079	No
Hamp	0.80799	0.35045	-0.45754	5.45E-07	No	Atrx	29.6251	13.0901	-1.1783439	29.6261	13.0911	-1.1782824	0.0415916	No
Hand1	0.19549	0.097576	-0.097914	0.01155321	No	Atxn2l	81.8151	23.022	-1.829354	81.8161	23.023	-1.8293089	0.00022079	No
Hand2	0.15765	0.071419	-0.086231	0.01328856	No	Atxn7	18.9097	4.47703	-2.0785126	18.9107	4.47803	-2.0782667	0.00022079	No
Haplnc4	0.091269	0.03157	-0.059699	0.0015077	No	ATXN7L2	24.1628	6.58724	-1.8750416	24.1638	6.58824	-1.8748823	0.00041963	No
Has2	0.11151	0.039617	-0.071893	0.02616573	No	Atxn7l3	28.9219	11.7867	-1.2950025	28.9229	11.7877	-1.29493	0.00466383	No
Has3	0.31318	0.11375	-0.19943	5.11E-08	No	Atxn7l4	15.8709	2.42972	-2.707522	15.8719	2.43072	-2.7070192	0.00022079	No
Hcn1	0.06497	0.0071862	-0.0577838	0.00693052	No	AU040320	10.1693	23.2105	1.19055723	10.1703	23.2115	1.19047752	0.00480115	No
Hcn4	0.13514	0.21781	0.08267	0.04531279	No	Aurkaip1	70.4301	144.576	1.03756404	70.4311	144.577	1.03755354	0.00288641	No
Hes2	0.17773	0.068322	-0.109408	0.00148947	No	Aven	22.9223	10.77	-1.0897336	22.9233	10.771	-1.0896625	0.010907	No
Hes7	0.70325	0.44819	-0.25506	0.00019244	No	Avl9	10.3443	5.62142	-0.8798295	10.3453	5.62242	-0.8797123	0.0130042	No
Hfe2	0.031677	0.087436	0.055759	0.00113933	No	Avpi1	7.95765	41.4434	2.38072801	7.95865	41.4444	2.38058154	0.00022079	No
Hhatl	0.78058	0.16122	-0.61936	3.82E-07	No	Avpr2	4.03897	10.7088	1.40673749	4.03997	10.7098	1.40651505	0.0451951	No
Hhex	0.020125	0.14006	0.119935	3.57E-06	No	Axin1	34.3107	13.7512	-1.319101	34.3117	13.7522	-1.3190382	0.00022079	No
Hic1	0.39632	0.14663	-0.24969	1.83E-10	No	Axl	0	3.55044	inf	0.001	3.55144	11.7941884	0.00605729	No
Hint1	0.3563	0.21186	-0.14444	0.00113933	No	Azi1	4.45125	20.5963	2.21010275	4.45225	20.5973	2.20984872	0.00022079	No
Hist1h1b	0.021153	0.12793	0.106777	2.57E-05	No	Azi2	44.1417	20.5108	-1.1057584	44.1427	20.5118	-1.1057208	0.00078858	No
Hist1h2bo	0.0057802	0.085412	0.0796318	8.11E-07	No	B230118H07Rik	4.95343	81.1158	4.03348318	4.95443	81.1168	4.03320975	0.00022079	No
Hmx1	0.18581	0.045639	-0.140171	0.00032353	No	B230307C23Rik	6.96249	1.4245	-2.2891477	6.96349	1.4255	-2.2883425	0.0399581	No
Hnf4a	0.77435	0.21307	-0.56128	6.64E-09	No	B2m	2852.52	567.526	-2.3294786	2852.521	567.527	-2.3294766	0.0213411	No
Hoxa11	0.13572	0.19466	0.05894	0.04101176	No	B3gat1	0	1.48269	inf	0.001	1.48369	10.534974	0.00130998	No
Hoxb4	0.17261	0.014299	-0.158311	1.81E-12	No	B3glct	2.8835	6.7339	1.22362127	2.8845	6.7349	1.22333526	0.0175851	No
Hoxc11	0.11611	0.047529	-0.068581	0.00105615	No	B3gnt2	89.4325	13.2235	-2.7576951	89.4335	13.2245	-2.7576022	0.00022079	No
Hoxc12	0.17842	0.098027	-0.080393	0.0007955	No	B4galnt1	54.1092	7.61104	-2.8297084	54.1102	7.61204	-2.8295455	0.035814	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hoxc4	0.069261	0.17024	0.100979	0.00934082	No	B4galnt2	0.153868	1.06356	2.78913629	0.154868	1.06456	2.78114628	0.0368717	No
Hoxc9	0.075602	0.013705	-0.061897	0.00161991	No	B4galt1	37.4017	16.5627	-1.175166	37.4027	16.5637	-1.1751174	0.01483	No
Hoxd1	0.18178	0.066265	-0.115515	0.0002817	No	B4galt3	18.258	33.4986	0.87557206	18.259	33.4996	0.87553611	0.0143389	No
Hoxd12	0.22309	0.53356	0.31047	3.70E-07	No	B4galt4	0.31814	5.47783	4.10587081	0.31914	5.47883	4.10160649	0.00147497	No
Hoxd9	0.21937	0.42408	0.20471	0.00049864	No	B4galt6	0.0930058	5.68158	5.93282769	0.0940058	5.68258	5.91765251	0.00041963	No
Hpd1	0.77414	0.44304	-0.3311	1.34E-05	No	B630005N1 4Rik	12.2517	4.62687	-1.4048735	12.2527	4.62787	-1.4046795	0.00060553	No
Hpn	0.72746	0.099726	-0.627734	5.03E-06	No	B9d1	1.51144	13.7392	3.18430239	1.51244	13.7402	3.18345319	0.00022079	No
Hrasls	0.18051	0.056876	-0.123634	8.97E-06	No	Baalc	0	0.999461	inf	0.001	1.000461	9.96644921	0.00022079	No
Hs3st2	0.12868	0.03148	-0.0972	0.00014343	No	Babam1	45.8011	74.8841	0.70927718	45.8021	74.8851	0.70926495	0.0476819	No
Hs3st5	0.06455	0.0035787	-0.0609713	0.00038311	No	Bach2	33.873	1.73841	-4.2842955	33.874	1.73941	-4.2835084	0.00022079	No
Hs6st2	0.07137	0.017663	-0.053707	6.38E-06	No	Bad	22.3965	42.3276	0.9183254	22.3975	42.3286	0.91829506	0.0180483	No
Hsbp1l1	0.11445	0.023547	-0.090903	3.10E-06	No	Bag2	0.830546	14.954	4.17032755	0.831546	14.955	4.16868803	0.00022079	No
Hsd17b14	0.75341	0.13094	-0.62247	0.0001571	No	Bahcc1	0	1.17457	inf	0.001	1.17557	10.1991447	0.00022079	No
Hsf4	0.62865	0.14784	-0.48081	1.81E-12	No	Bai1	0	5.48647	inf	0.001	5.48747	12.4219254	0.00022079	No
Hspa5	0.16666	0.084534	-0.082126	0.01783979	No	Baiap2	5.05037	28.0168	2.47183119	5.05137	28.0178	2.47159705	0.00022079	No
Htr1a	0.092335	0.028538	-0.063797	3.03E-06	No	Baiap2l1	0.850541	10.2583	3.59226708	0.851541	10.2593	3.59071249	0.00022079	No
Htr5a	0.2683	0.091784	-0.176516	0.00049864	No	Baiap2l2	2.05153	87.1663	5.40899832	2.05253	87.1673	5.40831181	0.00022079	No
Htr6	0.32498	0.24037	-0.08461	0.04531279	No	Baiap3	44.9872	1.99622	-4.4941719	44.9882	1.99722	-4.4934815	0.00257873	No
Htra3	0.090402	0.024588	-0.065814	1.46E-05	No	Bambi	0.538664	30.9828	5.84593807	0.539664	30.9838	5.84330883	0.00060553	No
Ibsp	0.67868	0.10147	-0.57721	0.0002817	No	Banp	22.2253	11.8475	-0.9076202	22.2263	11.8485	-0.9075634	0.0222379	No
Icam4	0.28552	0.094437	-0.191083	3.03E-06	No	Baz1a	21.7631	3.37227	-2.6900921	21.7641	3.37327	-2.6897307	0.00022079	No
Ido1	0.94623	0.67789	-0.26834	7.63E-07	No	Baz1b	37.9026	14.9851	-1.3387681	37.9036	14.9861	-1.3387099	0.00022079	No
Ifitm3	0.25658	0.12428	-0.1323	0.03531391	No	Baz2a	71.464	14.6014	-2.29111	71.465	14.6024	-2.2910313	0.00022079	No
Igf2	0.54819	0.21145	-0.33674	0.00042212	No	Bbs1	0.304226	7.96647	4.71072524	0.305226	7.96747	4.70617192	0.00022079	No
Igf2bp1	0.067514	0.014683	-0.052831	6.75E-05	No	Bbs2	7.48011	33.7819	2.17511908	7.48111	33.7829	2.17496893	0.00022079	No
Igf2bp2	0.15528	0.043874	-0.111406	7.56E-05	No	Bbs5	1.42827	10.9226	2.93497568	1.42927	10.9236	2.93409801	0.00096553	No
Igfbp6	0.41585	0.16667	-0.24918	3.09E-05	No	BC021891	0	11.8789	inf	0.001	11.8799	13.5362351	0.00022079	No
Igfbp7	0.073214	0.015931	-0.057283	5.49E-05	No	BC030307	0.198589	2.63375	3.72926079	0.199589	2.63475	3.72256196	0.00318754	No
Igsf21	0.28845	0.10018	-0.18827	0.0021362	No	BC030336	2.16858	6.33295	1.54612702	2.16958	6.33395	1.54568969	0.00211842	No
Il11	0.32182	0.089313	-0.232507	2.69E-06	No	BC068281	1.09693	5.77948	2.39746823	1.09793	5.78048	2.39640322	0.00536605	No
Il17c	0.85668	0.61796	-0.23872	0.00055683	No	Bcap29	76.5731	8.8679	-3.1101733	76.5741	8.8689	-3.1100294	0.00022079	No
Il1r2	0.84159	0.18813	-0.65346	3.82E-07	No	Bcar1	0.0818488	36.0421	8.78250609	0.0828488	36.0431	8.76502658	0.00022079	No
Il1rapl2	0.16321	0.056536	-0.106674	0.01333327	No	Bcar3	0.393806	8.96432	4.50863715	0.394806	8.96532	4.50513926	0.00022079	No
Il1rl2	0.11442	0.059834	-0.054586	0.00306475	No	Bcas2	94.1252	40.5028	-1.2165594	94.1262	40.5038	-1.2165391	0.00022079	No
Il4	0.76466	0.15471	-0.60995	0.00123983	No	Bckdha	29.0261	122.112	2.07278233	29.0271	122.113	2.07274445	0.00022079	No
Ina	0.10317	0.040036	-0.063134	0.00466526	No	Bckdha	25.9787	123.121	2.24467571	25.9797	123.122	2.2446319	0.00022079	No
Inhbb	0.091722	0.033782	-0.05794	1.74E-11	No	BCL11B	57.5802	1.24764	-5.5282992	57.5812	1.24864	-5.5271684	0.00022079	No
Inhbe	0.60498	0.13416	-0.47082	9.69E-09	No	Bcl2	28.6042	4.39272	-2.7030405	28.6052	4.39372	-2.7027626	0.00022079	No
Inpp5a	0.71001	0.3262	-0.38381	2.88E-05	No	Bcl2a1	13.385	45.123	1.75324585	13.386	45.124	1.75317004	0.00422081	No
Insig1	0.23228	0.075455	-0.156825	3.07E-06	No	Bcl2l1	5.05223	87.3562	4.11191788	5.05323	87.3572	4.11164886	0.00022079	No
Irf2bp1	0.69588	0.068328	-0.627552	1.81E-12	No	Bcl2l14	0.212602	5.6484	4.73161519	0.213602	5.6494	4.72510059	0.00113657	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Irf5	0.15961	0.087133	-0.072477	0.0250308	No	Bcl6	3.79481	7.70998	1.02269946	3.79581	7.71098	1.02250645	0.0110257	No
Irf6	0.23555	0.046684	-0.188866	4.45E-05	No	Bcl7a	1.31739	10.2846	2.96473127	1.31839	10.2856	2.96377684	0.00022079	No
Irf8	0.66903	0.39739	-0.27164	2.44E-07	No	Bcl9l	30.0024	8.49118	-1.821041	30.0034	8.49218	-1.8209191	0.00022079	No
Irgm	0.0081239	0.10161	0.0934861	0.00014343	No	Bclaf1	87.9583	25.8183	-1.7684257	87.9593	25.8193	-1.7683862	0.00022079	No
Irx4	0.087405	0.032538	-0.054867	0.00049864	No	Bcs1l	2.47425	6.48685	1.3905268	2.47525	6.48785	1.39016622	0.011657	No
Isg20l2	0.14283	0.014147	-0.128683	3.70E-09	No	Bdh2	2.82807	70.1283	4.63210702	2.82907	70.1293	4.63161755	0.00022079	No
Itga8	0.83979	0.22334	-0.61645	1.02E-06	No	Bdp1	11.8613	4.11336	-1.5278729	11.8623	4.11436	-1.5276438	0.00022079	No
Itgb5	0.5245	0.052584	-0.471916	1.19E-06	No	Bend5	2.90423	15.7857	2.44239062	2.90523	15.7867	2.44198534	0.00041963	No
Itgb1	0.617	0.34442	-0.27258	1.03E-05	No	Bet1	13.5177	31.1917	1.20631248	13.5187	31.1927	1.20625201	0.00466383	No
Itih1	0.79505	0.66435	-0.1307	0.00197715	No	Bex1	11.4781	54.1373	2.23773909	11.4791	54.1383	2.23764005	0.00022079	No
ItpkA	0.46719	0.17301	-0.29418	1.67E-08	No	Bex2	2.0006	8.65507	2.11311274	2.0016	8.65607	2.11255847	0.00858283	No
Jmjd8	0.96393	0.76464	-0.19929	1.28E-05	No	Bhlhe40	3.17096	30.7129	3.27585316	3.17196	30.7139	3.27544523	0.00022079	No
Jph3	0.10345	0.029576	-0.073874	3.98E-06	No	Bicc1	0.135386	45.4608	8.3914007	0.136386	45.4618	8.38081544	0.00022079	No
Jph4	0.5935	0.46283	-0.13067	0.00113933	No	Bid	41.5287	7.49136	-2.4708092	41.5297	7.49236	-2.4706513	0.00060553	No
Katnal1	0.22727	0.036069	-0.191201	0.00088439	No	Bin1	160.272	80.093	-1.0007743	160.273	80.094	-1.0007653	0.0355065	No
Kb23	0.69496	0.42888	-0.26608	3.38E-06	No	Birc2	25.8171	11.7554	-1.1350033	25.8181	11.7564	-1.1349365	0.00645389	No
Kbtbd4	0.57574	0.34123	-0.23451	0.04318305	No	Blcap	20.3739	37.5174	0.88083768	20.3749	37.5184	0.88080533	0.00791314	No
Kbtbd6	0.3402	0.14268	-0.19752	9.43E-07	No	Blnk	1.0944	24.5349	4.48662335	1.0954	24.5359	4.4853645	0.00022079	No
Kbtbd7	0.3402	0.14268	-0.19752	9.43E-07	No	Bloc1s1	62.4828	266.073	2.09029111	62.4838	266.074	2.09027344	0.00022079	No
Kcna1	0.092057	0.030117	-0.06194	6.39E-11	No	Bloc1s5	9.76886	25.4095	1.37910587	9.76986	25.4105	1.37901497	0.00078858	No
Kcnb1	0.46869	0.29248	-0.17621	1.22E-05	No	Bloc1s6	6.48673	11.7812	0.8609232	6.48773	11.7822	0.86082326	0.0370591	No
Kcnc1	0.51094	0.14061	-0.37033	4.83E-07	No	Blvra	15.6523	41.998	1.42394596	15.6533	41.999	1.42388814	0.00041963	No
Kcnc3	0.17247	0.034156	-0.138314	4.32E-06	No	BLVRB	6.83676	19.5158	1.51325792	6.83776	19.5168	1.51312083	0.0083198	No
Kcnd1	0.52962	0.22893	-0.30069	0.02144384	No	Blzf1	13.3832	6.83362	-0.9697012	13.3842	6.83462	-0.9695979	0.0192929	No
Kcne2	0.73942	0.21609	-0.52333	1.08E-09	No	Bmf	1.33894	5.18436	1.95307459	1.33994	5.18536	1.95227575	0.00164037	No
Kcnf1	0.75822	0.51082	-0.2474	0.00276056	No	Bmp1	0.680899	10.0993	3.89067068	0.681899	10.1003	3.88869627	0.00022079	No
Kcng1	0.11618	0.23791	0.12173	0.00693052	No	Bmp7	2.95442	26.2486	3.15129364	2.95542	26.2496	3.15086036	0.00022079	No
Kcnh2	0.59566	0.40743	-0.18823	0.00320916	No	Bmpr1a	0.0953046	12.117	6.99027099	0.0963046	12.118	6.97533119	0.00805135	No
Kcnh3	0.1916	0.069342	-0.122258	0.00021466	No	Bmpr2	3.62599	9.19948	1.34317737	3.62699	9.20048	1.34293636	0.00041963	No
Kcnh7	0.13769	0.037125	-0.100565	0.00066856	No	Bms1	29.0493	12.9756	-1.1627021	29.0503	12.9766	-1.1626406	0.0019604	No
Kcnip1	0.1182	0.035236	-0.082964	1.76E-10	No	Bnip2	34.7535	19.7297	-0.8167893	34.7545	19.7307	-0.8167576	0.0390462	No
Kcnj14	0.46929	0.080118	-0.389172	1.74E-09	No	Bnip3	1.70314	93.6954	5.78170928	1.70414	93.6964	5.78087785	0.00022079	No
Kcnj3	0.10937	0.025824	-0.083546	6.31E-10	No	Bnip3l	58.9346	33.4955	-0.8151476	58.9356	33.4965	-0.815129	0.0165181	No
Kcnj5	0.45324	0.085847	-0.367393	1.74E-05	No	Boc	0.259576	5.35613	4.36696207	0.260576	5.35713	4.36168419	0.00022079	No
Kcnk13	0.023307	0.22728	0.203973	3.92E-06	No	BOD1	8.24255	24.9375	1.5971542	8.24355	24.9385	1.59703703	0.00078858	No
Kcnk2	0.086267	0.014327	-0.07194	0.00066856	No	Bod1l	27.3537	10.0696	-1.4417296	27.3547	10.0706	-1.4416391	0.00508519	No
Kcnk3	0.066113	0.011731	-0.054382	3.67E-05	No	Bola1	17.4672	58.7478	1.74988646	17.4682	58.7488	1.74982843	0.00022079	No
Kcnk4	0.19133	0.029149	-0.162181	1.05E-10	No	Bola3	22.2898	62.6822	1.49167214	22.2908	62.6832	1.49163044	0.00096553	No
Kcnk9	0.15006	0.053042	-0.097018	0.00334577	No	Bora	8.32122	1.65554	-2.3294932	8.32222	1.65654	-2.3287954	0.0328292	No
Kcnn1	0.43077	0.077531	-0.353239	7.63E-07	No	Bpgm	12.8592	38.821	1.59403639	12.8602	38.822	1.59396136	0.00022079	No
Kcnn2	0.087475	0.012761	-0.074714	0.00023579	No	Bphl	0.447505	46.4818	6.69861833	0.448505	46.4828	6.6954291	0.00022079	No
Kctd11	0.79837	0.3541	-0.44427	1.36E-07	No	Bpifb4	1.00172	0.157551	-2.6685885	1.00272	0.158551	-2.6608999	0.0290073	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kdf1	0.91188	0.064886	-0.846994	3.82E-07	No	Bpnt1	10.1666	27.7696	1.44966911	10.1676	27.7706	1.44957917	0.00130998	No
Kdm6b	0.9043	0.39945	-0.50485	7.88E-09	No	Brd1	39.6764	12.7484	-1.6379649	39.6774	12.7494	-1.6378881	0.00022079	No
Kdsr	0.51834	0.1147	-0.40364	1.74E-09	No	Brd4	46.2388	14.4288	-1.6801526	46.2398	14.4298	-1.6800839	0.00022079	No
Khdrbs2	0.10229	0.011699	-0.090591	0.00012978	No	Bre	25.5739	53.0426	1.05247931	25.5749	53.0436	1.05245009	0.00392909	No
Khdrbs3	0.90303	0.35437	-0.54866	4.29E-07	No	Bri3	61.377	291.156	2.24602231	61.378	291.157	2.24600376	0.00022079	No
Kiaa0895l	0.25417	0.031968	-0.222202	8.97E-06	No	Bricd5	5.94022	28.2212	2.24819107	5.94122	28.2222	2.24799934	0.0105196	No
Kif2b	0.94627	0.61289	-0.33338	1.15E-06	No	Brix1	30.806	13.221	-1.2203801	30.807	13.222	-1.2203178	0.0351784	No
Kirrel2	0.26644	0.16381	-0.10263	0.02616573	No	Brpf1	16.198	7.11153	-1.1875838	16.199	7.11253	-1.18747	0.00078858	No
Kiss1r	0.079956	0.028733	-0.051223	0.00799193	No	Brpf3	9.82663	4.54931	-1.111049	9.82763	4.55031	-1.1108787	0.00407863	No
Klf14	0.34792	0.14135	-0.20657	2.57E-05	No	Brsk1	0.825787	4.58056	2.47168237	0.826787	4.58156	2.4702513	0.0231371	No
Klf15	0.068631	0.0089222	-0.0597088	0.00042212	No	Brwd1	15.6383	6.86383	-1.187998	15.6393	6.86483	-1.18788	0.00523184	No
Klf16	0.018594	0.076495	0.057901	4.71E-06	No	Brwd3	4.24737	1.48118	-1.5198228	4.24837	1.48218	-1.5191888	0.00227055	No
Klhl22	0.7066	0.4173	-0.2893	0.0074695	No	Bscl2	35.9554	60.9881	0.76231931	35.9564	60.9891	0.76230284	0.0279776	No
Klhl38	0.88921	0.75729	-0.13192	0.0022928	No	Bsdc1	7.81991	17.7325	1.18117204	7.82091	17.7335	1.18106892	0.0019604	No
Krt25	0.76121	0.58455	-0.17666	0.01660198	No	Bsg	86.3084	623.915	2.85377661	86.3094	623.916	2.85376221	0.00022079	No
Krt72	0.76829	0.59073	-0.17756	0.0153478	No	Bsnd	0	22.814	inf	0.001	22.815	14.477695	0.00022079	No
Krt73	0.81159	0.71393	-0.09766	0.04318305	No	Bspry	3.37647	47.3205	3.80887767	3.37747	47.3215	3.80848094	0.00022079	No
Krt75	0.75329	0.41939	-0.3339	0.0007955	No	Bst1	4.18354	102.381	4.61307996	4.18454	102.382	4.61274925	0.00022079	No
Krt8	0.75922	0.3506	-0.40862	0.0001571	No	Btaf1	11.6763	4.66027	-1.3250977	11.6773	4.66127	-1.3249117	0.00041963	No
Krt81	0.55736	0.35395	-0.20341	3.22E-06	No	Btbd10	12.4151	6.43606	-0.9478462	12.4161	6.43706	-0.9477383	0.0205337	No
Krt83	0.79383	0.21238	-0.58145	1.81E-12	No	Btbd2	14.2586	28.322	0.99009081	14.2596	28.323	0.99004057	0.00685176	No
Ky	0.081115	0.017352	-0.063763	0.00510288	No	Btbd6	3.28148	19.2638	2.55347377	3.28248	19.2648	2.55310908	0.0427098	No
Lamp5	0.11927	0.049568	-0.069702	0.00038311	No	Btc	0	2.53672	inf	0.001	2.53772	11.3093172	0.00022079	No
Lbx1	0.11626	0.014458	-0.101802	0.00019244	No	Btf3	685.698	347.569	-0.9802739	685.699	347.57	-0.9802719	0.00480115	No
Lbx2	0.16587	0.076018	-0.089852	0.00161585	No	Btg1	1489.27	161.768	-3.2026072	1489.271	161.769	-3.2025992	0.00022079	No
Lca5	0.67279	0.44592	-0.22687	2.73E-05	No	Btg2	345.703	62.1322	-2.4761201	345.704	62.1332	-2.476101	0.00022079	No
Lca5l	0.87643	0.76221	-0.11422	0.00320916	No	Btg3	2.6949	22.4011	3.05526593	2.6959	22.4021	3.05479509	0.00022079	No
Lcmt2	0.066006	0.0095732	-0.0564328	0.00012978	No	Btla	10.9695	0.0887557	-6.9494423	10.9705	0.0897557	-6.93341	0.0246183	No
Leap2	0.82164	0.60717	-0.21447	0.00799193	No	Bzw1	76.0195	43.8937	-0.7923556	76.0205	43.8947	-0.7923418	0.0368717	No
Lect1	0.7214	0.5984	-0.123	0.03531391	No	Bzw2	53.94	21.7777	-1.3085039	53.941	21.7787	-1.3084644	0.00022079	No
Lefty1	0.223	0.02588	-0.19712	7.48E-08	No	C1galt1	14.0874	8.53549	-0.7228595	14.0884	8.53649	-0.7227929	0.0434203	No
Lgals7	0.75263	0.50587	-0.24676	0.00032353	No	C1galt1c1	4.77133	20.6243	2.11188178	4.77233	20.6253	2.11164939	0.00022079	No
Lhcgr	0.15664	0.085074	-0.071566	0.00553374	No	C1qa	0	22.0019	inf	0.001	22.0029	14.4254061	0.00022079	No
Lhfpl4	0.12217	0.014474	-0.107696	2.06E-05	No	C1qb	0	37.2885	inf	0.001	37.2895	15.1864818	0.00022079	No
Lhx5	0.10878	0.018282	-0.090498	1.47E-06	No	C1qc	0	26.7828	inf	0.001	26.7838	14.709073	0.00022079	No
Lif	0.31266	0.10457	-0.20809	0.00510288	No	C1qtnf7	0	0.969223	inf	0.001	0.970223	9.92217257	0.00022079	No
Lin7a	0.10581	0.029089	-0.076721	0.03756776	No	C1s	0	3.68726	inf	0.001	3.68826	11.8487246	0.00022079	No
Lingo3	0.16821	0.06285	-0.10536	0.00042212	No	C2	0.509285	5.54828	3.44549547	0.510285	5.54928	3.44292546	0.00022079	No
Lmx1a	0.19002	0.077754	-0.112266	0.01660198	No	C2cd2	2.57753	4.59547	0.8342232	2.57853	4.59647	0.83397749	0.0392505	No
Lmx1b	0.09613	0.032956	-0.063174	1.07E-08	No	C2cd3	14.8282	4.55476	-1.7028965	14.8292	4.55576	-1.7026771	0.00147497	No
LOC100125362	0.19112	0.10856	-0.08256	0.03196657	No	C3	0.318696	3.0092	3.23912718	0.319696	3.0102	3.23508675	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
LOC100909539	0.11743	0.02697	-0.09046	0.00011578	No	C3ar1	0.0828523	1.21469	3.87390261	0.0838523	1.21569	3.85778122	0.00632443	No
LOC102549772	0.76564	0.63458	-0.13106	0.03756776	No	C4b	0.858883	13.337	3.95682876	0.859883	13.338	3.95525817	0.0184986	No
LOC102553190	0.070635	0.13253	0.061895	0.01245124	No	C5	0.0226999	4.10169	7.49738871	0.0236999	4.10269	7.43554537	0.0458921	No
LOC106182250	0.63587	0.18318	-0.45269	0.0002817	No	C5ar1	0.475324	3.15946	2.73269485	0.476324	3.16046	2.73011941	0.0296827	No
LOC106736471	0.62	0.3396	-0.2804	0.00306475	No	C7	0	3.65295	inf	0.001	3.65395	11.8352412	0.00022079	No
LOC257642	0.28793	0.10065	-0.18728	3.82E-07	No	Caap1	14.5144	6.43963	-1.1724352	14.5154	6.44063	-1.1723106	0.00593001	No
LOC310926	0.4546	0.20807	-0.24653	3.09E-05	No	Cables1	0.118822	4.56159	5.2626629	0.119822	4.56259	5.25088829	0.00060553	No
LOC500077	0.36098	0.15744	-0.20354	1.82E-05	No	Cabp1	0.450915	78.1904	7.43799218	0.451915	78.1914	7.43481469	0.00096553	No
LOC500331	0.89468	0.30552	-0.58916	1.81E-12	No	Cacfd1	5.97393	21.7896	1.86688747	5.97493	21.7906	1.86671221	0.00378481	No
LOC681383	0.44321	0.10933	-0.33388	7.02E-06	No	Cacna1d	0.0415281	1.46708	5.14271587	0.0425281	1.46808	5.10937037	0.0131304	No
LOC681766	0.43456	0.18229	-0.25227	8.25E-10	No	Cacnb2	0.458271	2.17159	2.24447885	0.459271	2.17259	2.24199835	0.00451708	No
LOC682102	0.20295	0.046599	-0.156351	1.68E-07	No	Cacnb3	0.112659	3.85016	5.09488392	0.113659	3.85116	5.08250923	0.0135008	No
LOC687707	0.80347	0.6778	-0.12567	0.04531279	No	Cacul1	25.1788	13.2886	-0.9220204	25.1798	13.2896	-0.9219691	0.00845215	No
LOC688765	0.083638	0.023449	-0.060189	0.00066856	No	Cad	26.436	11.0842	-1.2539993	26.437	11.0852	-1.2539237	0.00227055	No
LOC688924	0.72364	0.55533	-0.16831	0.04318305	No	Cadm1	0.234804	9.17414	5.28804403	0.235804	9.17514	5.28207008	0.00096553	No
LOC690435	0.73161	0.097178	-0.634432	7.52E-12	No	Cadps2	0.0180751	10.8942	9.23534091	0.0190751	10.8952	9.15778634	0.015076	No
LOC690617	0.85382	0.18982	-0.664	1.81E-12	No	Calb1	0	39.092	inf	0.001	39.093	15.2546227	0.00022079	No
LOC691153	0.57293	0.080413	-0.492517	1.81E-12	No	Calcl	7.10891	3.16597	-1.1669808	7.10991	3.16697	-1.1667281	0.0200735	No
Lonrf3	0.088478	0.013417	-0.075061	0.00095268	No	Cald1	0.0319045	88.5903	11.4391731	0.0329045	88.5913	11.3946644	0.035911	No
Loxl4	0.073716	0.01226	-0.061456	0.0007955	No	Calm3	73.7769	158.511	1.10334189	73.7779	158.512	1.10333143	0.00333723	No
Lrat	0.078666	0.025939	-0.052727	4.99E-07	No	Calml3	0	2.46822	inf	0.001	2.46922	11.2698397	0.00022079	No
Lrfn1	0.81561	0.71265	-0.10296	0.02257431	No	Calml4	1.11413	120.8	6.76055906	1.11513	120.801	6.75927668	0.00022079	No
Lrfn3	0.34392	0.20263	-0.14129	0.01000157	No	Caln1	0	11.5195	inf	0.001	11.5205	13.4919157	0.00022079	No
Lrfn4	0.00043275	0.1025	0.10206725	1.81E-12	No	Camk1	0.247255	30.7834	6.96000908	0.248255	30.7844	6.95423287	0.00078858	No
Lrfn5	0.099544	0.020197	-0.079347	0.00095268	No	Camk1d	4.02168	0.639871	-2.6519453	4.02268	0.640871	-2.6500511	0.00022079	No
Lrg1	0.3711	0.144	-0.2271	0.00034271	No	Camk2d	20.7737	11.2215	-0.8884927	20.7747	11.2225	-0.8884335	0.0111498	No
Lrrc10b	0.06791	0.014402	-0.053508	0.02027674	No	Camk2g	32.2106	7.58072	-2.0871288	32.2116	7.58172	-2.0869832	0.00022079	No
Lrrc14b	0.82642	0.73742	-0.089	0.00244273	No	Camk4	54.7965	4.88589	-3.4873905	54.7975	4.88689	-3.4871215	0.00022079	No
Lrrc20	0.0014423	0.080373	0.0789307	1.67E-06	No	Camta1	7.08284	0.347171	-4.3506096	7.08384	0.348171	-4.3466637	0.00022079	No
Lrrc23	0.043223	0.13844	0.095217	0.00021466	No	Cand2	0.644478	2.61793	2.02222351	0.645478	2.61893	2.02053767	0.00180113	No
Lrrc26	0.11466	0.025534	-0.089126	1.81E-12	No	Cap1	188.755	68.3037	-1.4664792	188.756	68.3047	-1.4664657	0.00022079	No
Lrrc38	0.16038	0.038872	-0.121508	1.86E-06	No	Capg	12.7322	80.4937	2.66039415	12.7332	80.4947	2.66029876	0.00022079	No
Lrrc43	0.080238	0.013704	-0.066534	0.02144384	No	Capn13	0	1.67428	inf	0.001	1.67528	10.7101865	0.00022079	No
Lrrc4b	0.10817	0.039016	-0.069154	0.00276056	No	Capn6	0	2.76056	inf	0.001	2.76156	11.4312678	0.00022079	No
Lrrc55	0.077143	0.019114	-0.058029	0.02257431	No	Capza1	153.24	26.2049	-2.5478844	153.241	26.2059	-2.5478388	0.00022079	No
Lrrc71	0.59986	0.10611	-0.49375	7.02E-06	No	Capza2	94.5275	56.268	-0.7484194	94.5285	56.269	-0.748409	0.0164052	No
Lrrc73	0.13645	0.059005	-0.077445	0.03196657	No	Capzb	358.492	155.593	-1.2041638	358.493	155.594	-1.2041585	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Lrrc8d	0.88568	0.25642	-0.62926	3.82E-07	No	Car11	1.70626	30.9832	4.18257675	1.70726	30.9842	4.18177803	0.00022079	No
Lrrc8e	0.53712	0.064947	-0.472173	7.99E-06	No	Car12	0.256374	169.627	9.36990015	0.257374	169.628	9.3642923	0.00022079	No
Lrrfip1	0.0044118	0.21786	0.2134482	2.57E-05	No	Car2	40.0231	375.329	3.22925094	40.0241	375.33	3.22921874	0.00022079	No
Lrrn4cl	0.81159	0.68241	-0.12918	0.00123983	No	Car5b	0.0928579	39.7951	8.74335043	0.0938579	39.7961	8.72793316	0.00022079	No
LRRTM1	0.11847	0.034613	-0.083857	0.00014343	No	Car8	0.0600685	11.5764	7.59036232	0.0610685	11.5774	7.56666717	0.00738919	No
Lta	0.028438	0.42005	0.391612	2.09E-12	No	Card11	29.6321	5.39989	-2.4561589	29.6331	5.40089	-2.4559405	0.00022079	No
Ltb4r	0.12732	0.025154	-0.102166	5.10E-09	No	Card6	25.1642	1.99155	-3.6594091	25.1652	1.99255	-3.6587422	0.00022079	No
Ltbp2	0.12774	0.04823	-0.07951	1.68E-07	No	Card9	0.255377	7.01347	4.77942791	0.256377	7.01447	4.77399535	0.0112749	No
Ltk	0.020885	0.079686	0.058801	5.77E-05	No	Carf	5.49489	1.70815	-1.6856559	5.49589	1.70915	-1.6850741	0.0196176	No
Ly49i7	0.77463	0.56312	-0.21151	0.00105615	No	Casc3	22.1615	8.42815	-1.3947676	22.1625	8.42915	-1.3946616	0.00022079	No
Lypd6b	0.12352	0.052077	-0.071443	0.00176231	No	Casd1	27.9713	6.40003	-2.1277967	27.9723	6.40103	-2.1276229	0.00022079	No
Lyrn1	0.23272	0.069864	-0.162856	2.80E-12	No	Cask	0.964221	4.74726	2.29965931	0.965221	4.74826	2.29846773	0.0137492	No
Lyzl6	0.16365	0.058254	-0.105396	0.00866691	No	Caskin2	0.233439	13.792	5.88464226	0.234439	13.793	5.87857988	0.00451708	No
Mab21l1	0.061541	0.18776	0.126219	0.00466526	No	Casp1	66.5514	13.0639	-2.3488834	66.5524	13.0649	-2.3487946	0.00022079	No
Mab21l2	0.010713	0.41634	0.405627	1.81E-12	No	Casp12	0.306803	5.5513	4.17744117	0.307803	5.5523	4.17300632	0.00211842	No
Mael	0.85307	0.72619	-0.12688	0.01245124	No	Casp7	5.82752	12.4817	1.09886049	5.82852	12.4827	1.09872852	0.0171138	No
Mafb	0.32463	0.063553	-0.261077	8.96E-07	No	Casp8ap2	6.49463	1.99439	-1.7032998	6.49563	1.99539	-1.7027987	0.00022079	No
Mafk	0.83486	0.59923	-0.23563	5.03E-06	No	Casp9	3.99998	7.81625	0.96648383	4.00098	7.81725	0.96630776	0.0372667	No
Man1c1	0.0080746	0.059102	0.0510274	0.00095268	No	Casz1	0.650849	7.01597	3.4302478	0.651849	7.01697	3.42823848	0.00022079	No
Map3k10	0.54288	0.18473	-0.35815	0.00014343	No	Cat	23.4278	174.747	2.8989743	23.4288	174.748	2.89892098	0.00022079	No
Map3k6	0.12512	0.014033	-0.111087	0.00023579	No	Cav1	0.070087	12.7028	7.50178395	0.071087	12.7038	7.48145864	0.014108	No
Map3k9	0.13114	0.023511	-0.107629	0.0190918	No	Cav2	1.02146	18.4662	4.1761824	1.02246	18.4672	4.17484883	0.00022079	No
Map7d1	0	0.064314	0.064314	0.00088439	No	Cbfb	67.882	14.2842	-2.2486088	67.883	14.2852	-2.2485291	0.00022079	No
Mapk12	0.16571	0.023722	-0.141988	1.15E-06	No	Cbl	19.2646	3.21775	-2.5818281	19.2656	3.21875	-2.5814547	0.00022079	No
Mapk13	0.75808	0.56583	-0.19225	0.0017676	No	Cblb	30.7584	5.76317	-2.416046	30.7594	5.76417	-2.4158426	0.00022079	No
Mapk1ip1l	0.14398	0.070286	-0.073694	8.13E-08	No	Cblc	0	8.94716	inf	0.001	8.94816	13.1273753	0.00022079	No
Mapk9	0.072145	0.013032	-0.059113	0.00320916	No	Cbll1	18.165	3.6321	-2.3222855	18.166	3.6331	-2.3219678	0.00022079	No
Mark3	0.11657	0.017484	-0.099086	9.44E-05	No	CBR1	9.269	23.3162	1.33084708	9.27	23.3172	1.33075331	0.00632443	No
Marveld2	0.18439	0.039652	-0.144738	5.73E-06	No	Cbx3	143.369	81.2075	-0.8200482	143.37	81.2085	-0.8200405	0.0111498	No
Marveld3	0.12108	0.0092642	-0.1118158	1.82E-05	No	Cbx4	34.0164	4.8736	-2.8031707	34.0174	4.8746	-2.8029171	0.00022079	No
Matn3	0.34078	0.15526	-0.18552	0.04868237	No	Cbx5	11.3827	27.7469	1.28548379	11.3837	27.7479	1.28540904	0.0132548	No
Matn4	0.59673	0.41623	-0.1805	0.03756776	No	Cbx6	2.20161	25.3543	3.52559961	2.20261	25.3553	3.52500137	0.00022079	No
Mb21d2	0.51852	0.18129	-0.33723	1.15E-05	No	Cbx7	42.3583	15.7347	-1.428695	42.3593	15.7357	-1.4286374	0.00130998	No
Mboat4	0.819	0.60845	-0.21055	0.00018672	No	CBY1	3.88561	21.4195	2.46271179	3.88661	21.4205	2.4624079	0.00022079	No
Mc3r	0.68791	0.51188	-0.17603	0.00161991	No	Cc2d1a	14.4522	90.9832	2.65431105	14.4532	90.9842	2.65422709	0.00022079	No
Mdga2	0.10419	0.029605	-0.074585	0.00866691	No	Cc2d2a	0.0674172	6.38605	6.56566333	0.0684172	6.38705	6.54464687	0.0189519	No
Mdk	0.67879	0.25844	-0.42035	6.74E-12	No	Ccar1	28.0236	11.9872	-1.2251476	28.0246	11.9882	-1.2250787	0.00022079	No
Mesdc1	0.23845	0.071009	-0.167441	5.49E-05	No	Ccbl2	4.45279	10.6934	1.26393916	4.45379	10.6944	1.2637501	0.0259566	No
Mfap2	0.48317	0.19842	-0.28475	1.61E-05	No	CCDC101	40.7446	19.7334	-1.0459693	40.7456	19.7344	-1.0459316	0.00870822	No
Mfge8	0.02048	0.27621	0.25573	9.44E-05	No	Ccdc102a	5.00202	11.2471	1.16897033	5.00302	11.2481	1.1688102	0.00579147	No
Mfsd2a	0.3035	0.17715	-0.12635	0.01333327	No	Ccdc104	15.8862	46.9284	1.5626872	15.8872	46.9294	1.56262713	0.00022079	No
Mgat4c	0.65433	0.16858	-0.48575	0.0006129	No	Ccdc111	2.34014	0.350915	-2.7374013	2.34114	0.351915	-2.7339123	0.012511	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mgat4d	0.45019	0.10934	-0.34085	2.97E-07	No	Ccdc113	0.734651	31.7414	5.4331629	0.735651	31.7424	5.4312459	0.00060553	No
MGC114492	0.88979	0.70268	-0.18711	0.00364323	No	CCDC115	61.9496	27.8801	-1.1518592	61.9506	27.8811	-1.1518308	0.00022079	No
MGC94207	0.79318	0.19497	-0.59821	1.81E-12	No	Ccdc12	46.7096	85.8183	0.87756623	46.7106	85.8193	0.87755216	0.0238376	No
MGC95208	0.44298	0.11483	-0.32815	3.09E-05	No	Ccdc124	48.5554	105.736	1.122763	48.5564	105.737	1.12274693	0.0019604	No
Miat	0.11915	0.044047	-0.075103	9.96E-05	No	Ccdc126	2.2101	8.74911	1.98502462	2.2111	8.75011	1.98453688	0.00041963	No
Mical1	0.028495	0.098985	0.07049	0.0190918	No	Ccdc127	2.173	7.33329	1.75477242	2.174	7.33429	1.75430537	0.00378481	No
Mir1247	0.14735	0.05134	-0.09601	0.00055683	No	Ccdc137	12.3878	6.21217	-0.9957508	12.3888	6.21317	-0.995635	0.0221192	No
Mir126	0.90954	0.77419	-0.13535	2.85E-05	No	Ccdc138	0.276164	3.07502	3.47699862	0.277164	3.07602	3.4722531	0.00041963	No
Mir129-1	0.24798	0.36616	0.11818	0.02027674	No	Ccdc160	0	4.99944	inf	0.001	5.00044	12.2878393	0.00022079	No
Mir129-2	0.07265	0.019269	-0.053381	0.0017676	No	Ccdc181	4.91765	20.8171	2.08172814	4.91865	20.8181	2.0815041	0.00022079	No
Mir137	0.082393	0.030644	-0.051749	0.00334577	No	Ccdc27	0	1.52619	inf	0.001	1.52719	10.5766638	0.0283842	No
Mir138-2	0.20551	0.33339	0.12788	0.00776108	No	Ccdc28b	37.3489	17.6461	-1.0817164	37.3499	17.6471	-1.0816733	0.00605729	No
Mir141	0.77449	0.56528	-0.20921	4.32E-06	No	Ccdc30	0.495579	5.86491	3.56492201	0.496579	5.86591	3.56225978	0.00022079	No
Mir149	0.066531	0.24237	0.175839	0.00113933	No	Ccdc34	2.68191	5.57074	1.05460816	2.68291	5.57174	1.05432928	0.0496219	No
Mir196a	0.053787	0.16778	0.113993	4.27E-08	No	Ccdc37	0.583802	8.65894	3.89063937	0.584802	8.65994	3.88833688	0.0392505	No
Mir196c	0.077308	0.31715	0.239842	6.98E-11	No	Ccdc51	2.76197	9.92073	1.84474863	2.76297	9.92173	1.8443718	0.00060553	No
Mir203	0.087144	0.022479	-0.064665	6.96E-09	No	Ccdc53	27.3221	53.881	0.97970825	27.3231	53.882	0.97968223	0.00909283	No
Mir25	0.90223	0.67981	-0.22242	0.0001571	No	Ccdc6	12.2658	41.6166	1.76251777	12.2668	41.6176	1.76243482	0.00022079	No
Mir295-1	0.72569	0.4689	-0.25679	6.26E-05	No	Ccdc64	99.2915	30.539	-1.7010174	99.2925	30.54	-1.7009847	0.00041963	No
Mir2964	0.81366	0.3995	-0.41416	1.81E-12	No	Ccdc68	0	6.0046	inf	0.001	6.0056	12.5520927	0.00022079	No
Mir3065	0.75418	0.079428	-0.674752	1.81E-12	No	Ccdc69	51.7027	3.09594	-4.0617902	51.7037	3.09694	-4.0613522	0.00022079	No
Mir331	0.97746	0.85682	-0.12064	0.00049864	No	Ccdc71l	11.0749	2.13876	-2.3724472	11.0759	2.13976	-2.371903	0.0353972	No
Mir341	0.30193	0.13017	-0.17176	8.94E-11	No	Ccdc82	30.9673	6.5352	-2.2444423	30.9683	6.5362	-2.2442682	0.00022079	No
Mir346	0.11337	0.031373	-0.081997	0.0021362	No	Ccdc88b	46.0569	11.682	-1.97913	46.0579	11.683	-1.9790379	0.00022079	No
Mir34a	0.85301	0.56402	-0.28899	0.00123983	No	Ccdc88c	34.5375	9.46742	-1.8671204	34.5385	9.46842	-1.8670098	0.00022079	No
Mir3547	0.87205	0.54542	-0.32663	7.36E-06	No	Ccdc9	91.4456	37.8327	-1.27328	91.4466	37.8337	-1.2732577	0.0223592	No
Mir3569	0.092623	0.0098375	-0.0827855	4.32E-06	No	Ccdc92	0.487707	6.36686	3.70649546	0.488707	6.36786	3.70376694	0.00022079	No
Mir3590	0.2786	0.051084	-0.227516	1.15E-06	No	Ccdc94	22.942	11.3063	-1.0208643	22.943	11.3073	-1.0207996	0.00988585	No
Mir378	0.52768	0.095463	-0.432217	3.67E-05	No	Cchr1	6.36626	22.8596	1.84428218	6.36726	22.8606	1.84411869	0.00022079	No
Mir455	0.78617	0.30574	-0.48043	2.14E-06	No	Ccl17	0	3.26691	inf	0.001	3.26791	11.6741525	0.00022079	No
Mir6314	0.45222	0.14286	-0.30936	0.00010392	No	Ccl21	0	0.925136	inf	0.001	0.926136	9.85508025	0.00022079	No
Mir6316	0.76126	0.59512	-0.16614	0.01333327	No	Ccl3	24.788	95.141	1.94042532	24.789	95.142	1.94038228	0.00022079	No
Mir6326	0.17886	0.017597	-0.161263	9.44E-05	No	Ccl4	4.75735	23.774	2.32115458	4.75835	23.775	2.32091204	0.0347515	No
Mir6328	0.0054361	0.2735	0.2680639	8.88E-12	No	Ccl6	1.65599	6.49003	1.97053119	1.65699	6.49103	1.96988253	0.0171138	No
Mir6333	0.5064	0.087567	-0.418833	1.31E-06	No	Ccl7	0	0.974879	inf	0.001	0.975879	9.93055847	0.00022079	No
Mir671	0.74106	0.60643	-0.13463	0.04531279	No	Ccl9	1.09819	15.4488	3.8142952	1.09919	15.4498	3.81307547	0.00022079	No
Mir675	0.57252	0.34356	-0.22896	0.0250308	No	Ccm2	71.1026	31.95	-1.1540864	71.1036	31.951	-1.1540615	0.00164037	No
Mir702	0.8945	0.79749	-0.09701	0.00466526	No	Ccnb1ip1	2.47761	0.228336	-3.4397189	2.47861	0.229336	-3.4339965	0.0360158	No
Mir7b	0.37558	0.2326	-0.14298	0.02144384	No	CCND2	14.5422	2.60877	-2.4788039	14.5432	2.60977	-2.4783502	0.00363736	No
Mir9-1	0.13692	0.036619	-0.100301	0.00095268	No	Ccng2	27.7612	15.1999	-0.8690081	27.7622	15.2009	-0.8689652	0.00765035	No
Mir9-3	0.22981	0.062971	-0.166839	0.0021362	No	CCNJ	6.59505	2.2028	-1.5820451	6.59605	2.2038	-1.581609	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mir99b	0.82399	0.25581	-0.56818	1.81E-12	No	Ccnk	20.0217	12.2109	-0.7133949	20.0227	12.2119	-0.7133488	0.0423219	No
Mki67	0.083342	0.0023811	-0.0809609	0.00095268	No	Ccnl1	154.428	42.1673	-1.8727378	154.429	42.1683	-1.8727129	0.00022079	No
Mlst8	0.4502	0.36596	-0.08424	0.04318305	No	CCNL2	161.434	71.1529	-1.18195	161.435	71.1539	-1.1819387	0.0159346	No
Mlxipl	0.16377	0.040014	-0.123756	6.75E-05	No	Ccno	0	1.15455	inf	0.001	1.15555	10.174364	0.00022079	No
Mmd2	0.16467	0.05285	-0.11182	8.49E-05	No	Ccnt2	32.2316	7.70504	-2.0646015	32.2326	7.70604	-2.064459	0.00022079	No
Mmel1	0.69056	0.47586	-0.2147	0.00541332	No	Ccp110	6.07039	2.02637	-1.5828916	6.07139	2.02737	-1.5824174	0.00658515	No
Mmp14	0.11577	0.049405	-0.066365	0.00141078	No	Ccpg1	84.4209	28.5669	-1.5632557	84.4219	28.5679	-1.5632223	0.00022079	No
Mmp2	0.079045	0.042597	-0.036448	0.01660198	No	Ccpg1os	2.62659	11.7266	2.15852186	2.62759	11.7276	2.15809572	0.0105196	No
Mmp9	0.23205	0.12345	-0.1086	9.44E-05	No	Ccr4	4.2144	0.589498	-2.8377684	4.2154	0.590498	-2.8356655	0.0153152	No
Mn1	0.88041	0.20819	-0.67222	1.81E-12	No	Ccr6	4.59837	0.874199	-2.3950889	4.59937	0.875199	-2.3937533	0.0102697	No
Mob3a	0.0010638	0.18326	0.1821962	5.03E-06	No	Ccr7	298.545	2.05403	-7.1833473	298.546	2.05503	-7.18265	0.00022079	No
Mog	0.94585	0.86869	-0.07716	0.00553374	No	Ccr9	15.5715	0.181206	-6.4251334	15.5725	0.182206	-6.4172863	0.00180113	No
Mrap2	0.46679	0.21911	-0.24768	5.73E-06	No	Ccr2	0.191613	3.10904	4.02020183	0.192613	3.11004	4.01315615	0.00060553	No
Mrc2	0.83814	0.18239	-0.65575	2.07E-09	No	Ccser1	0.277204	2.77887	3.32547836	0.278204	2.77987	3.32080235	0.0303513	No
Mrpl14	0.29726	0.070565	-0.226695	0.00038311	No	Ccser2	6.33819	11.7129	0.8859555	6.33919	11.7139	0.88585107	0.01483	No
Msc	0.30941	0.10853	-0.20088	0.00197715	No	Cct2	137.797	78.8548	-0.805274	137.798	78.8558	-0.8052662	0.0142227	No
Mst1r	0.47935	0.1884	-0.29095	1.82E-05	No	Cct4	176.887	95.526	-0.8888627	176.888	95.527	-0.8888557	0.0103977	No
Msx3	0.054183	0	-0.054183	0.00019244	No	Ccz1	36.9174	22.0301	-0.7448249	36.9184	22.0311	-0.7447985	0.0312769	No
Mtnr1b	0.46924	0.62673	0.15749	0.0153478	No	Cd14	0.241487	10.3386	5.4199515	0.242487	10.3396	5.41412916	0.00022079	No
Mvp	0.84336	0.33537	-0.50799	8.96E-07	No	Cd1d1	15.4978	3.59981	-2.1060708	15.4988	3.60081	-2.1057631	0.00022079	No
Myadml2	0.81172	0.64487	-0.16685	0.00038311	No	Cd2	287.201	31.1939	-3.2027249	287.202	31.1949	-3.2026837	0.00022079	No
Mybpc2	0.10583	0.052323	-0.053507	0.00350701	No	Cd200	3.24374	13.1635	2.02081304	3.24474	13.1645	2.02047794	0.00022079	No
Mycs	0.089269	0.021973	-0.067296	0.0022928	No	Cd226	25.3866	0.727117	-5.1257359	25.3876	0.728117	-5.1238099	0.00022079	No
Myh10	0.16857	0.029976	-0.138594	0.00012978	No	Cd247	270.597	7.98876	-5.0820304	270.598	7.98976	-5.0818552	0.00022079	No
Myh6	0.57949	0.14577	-0.43372	5.89E-07	No	Cd27	253.453	8.94767	-4.8240624	253.454	8.94867	-4.8239068	0.00022079	No
Myocd	0.25257	0.10083	-0.15174	3.00E-05	No	Cd274	19.6539	2.39948	-3.0340219	19.6549	2.40048	-3.0334942	0.00022079	No
Myod1	0.12117	0.061543	-0.059627	0.00044355	No	Cd28	152.75	1.8	-6.4070317	152.751	1.801	-6.4062398	0.00022079	No
Mypn	0.81261	0.64352	-0.16909	0.00095268	No	Cd302	0.947354	7.90437	3.06067495	0.948354	7.90537	3.0593354	0.00288641	No
Nacad	0.14608	0.063475	-0.082605	0.00012978	No	Cd320	73.9145	308.997	2.06366352	73.9155	308.998	2.06364867	0.00022079	No
Nalcn	0.1628	0.044761	-0.118039	2.35E-12	No	Cd36	0.116665	1.99282	4.09436769	0.117665	1.99382	4.08277802	0.0211214	No
Nap15	0.51688	0.6051	0.08822	0.01148416	No	Cd3d	711.235	97.9867	-2.8596685	711.236	97.9877	-2.8596558	0.00022079	No
Naprt	0.448	0.075843	-0.372157	2.29E-09	No	Cd3e	772.479	36.706	-4.3954079	772.48	36.707	-4.3953705	0.00022079	No
Nat8f5	0.77922	0.053378	-0.725842	3.82E-07	No	Cd3eap	10.1932	52.7496	2.37155312	10.1942	52.7506	2.37143894	0.00022079	No
Ncam2	0.057066	1.50E-07	-0.0570659	8.96E-07	No	Cd3g	1144.39	86.5439	-3.7250029	1144.391	86.5449	-3.7249874	0.00022079	No
Ncan	0.089332	0.024273	-0.065059	9.43E-07	No	Cd4	131.369	6.50178	-4.3366463	131.37	6.50278	-4.3364354	0.00022079	No
Nck2	0.015929	0.075447	0.059518	0.0021362	No	Cd40	0.517187	5.87896	3.50680304	0.518187	5.87996	3.50426161	0.00078858	No
Ncs1	0.51213	0.23152	-0.28061	3.03E-05	No	Cd44	133.582	22.9871	-2.5388292	133.583	22.9881	-2.5387773	0.00022079	No
Ndn	0.19456	0.080335	-0.114225	1.81E-12	No	Cd47	103.382	29.0137	-1.8331788	103.383	29.0147	-1.8331431	0.00022079	No
Ndnl2	0.074047	0.010553	-0.063494	0.0002817	No	Cd48	161.743	50.2459	-1.6866255	161.744	50.2469	-1.6866057	0.00022079	No
Ndufa101	0.62806	0.089763	-0.538297	8.88E-12	No	Cd5	12.7078	0.318967	-5.3161633	12.7088	0.319967	-5.3117609	0.00022079	No
Ndufs6	0.97254	0.81418	-0.15836	4.83E-07	No	Cd53	399.868	15.4436	-4.6944428	399.869	15.4446	-4.694353	0.00022079	No
Necab2	0.012744	0.13839	0.125646	5.03E-06	No	Cd55	0.925545	4.44853	2.26495364	0.926545	4.44953	2.26372	0.00318754	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nectin4	0.74344	0.48472	-0.25872	0.00799193	No	Cd59	0.801123	167.952	7.7118095	0.802123	167.953	7.71001837	0.00022079	No
Neil2	0.81767	0.26902	-0.54865	2.35E-06	No	Cd6	134.214	20.1395	-2.7364354	134.215	20.1405	-2.7363745	0.00022079	No
Nek2	0.50113	0.19824	-0.30289	6.38E-06	No	Cd63	4.64661	774.918	7.38172128	4.64761	774.919	7.3814127	0.00022079	No
Nelfb	0.75469	0.37632	-0.37837	5.89E-08	No	Cd68	1.53728	12.0489	2.97044958	1.53828	12.0499	2.96963114	0.00060553	No
Neur1	0.21199	0.083611	-0.128379	0.0074695	No	Cd69	138.529	12.9105	-3.4235712	138.53	12.9115	-3.4234699	0.00022079	No
Neurod2	0.07264	0.014882	-0.057758	0.02731997	No	Cd74	114.939	547.083	2.25089132	114.94	547.084	2.25088141	0.00022079	No
Neurog1	0.080614	0.021305	-0.059309	0.0017676	No	Cd79b	14.3197	1.91898	-2.8995897	14.3207	1.91998	-2.8989388	0.00113657	No
Neurog3	0.17332	0.017338	-0.155982	7.75E-05	No	Cd81	100.84	160.488	0.6703974	100.841	160.489	0.67039209	0.0434203	No
Nfasc	0.31944	0.11238	-0.20706	0.00078236	No	Cd86	0.334066	2.75979	3.04635343	0.335066	2.76079	3.04256395	0.00242102	No
Nfyb	0.30446	0.11464	-0.18982	0.03531391	No	Cd8b	82.0037	4.76395	-4.1054588	82.0047	4.76495	-4.1051736	0.00022079	No
Ngb	0.10422	0.041561	-0.062659	9.43E-07	No	Cd9	16.1164	125.685	2.96321106	16.1174	125.686	2.96313302	0.00022079	No
Nhlh2	0.078735	0.025105	-0.05363	0.00636684	No	Cd93	0.031414	3.8748	6.94657038	0.032414	3.8758	6.90173325	0.0438233	No
Nhlrc1	0.24765	0.10037	-0.14728	5.15E-07	No	Cd96	45.3011	4.77686	-3.2454116	45.3021	4.77786	-3.2451414	0.00022079	No
Nipsnap3a	0.83818	0.61221	-0.22597	0.00088439	No	Cd97	172.348	19.3938	-3.1516571	172.349	19.3948	-3.1515911	0.00022079	No
Nkain3	0.086995	0.033273	-0.053722	0.00055683	No	Cd99	32.6095	390.566	3.58220214	32.6105	390.567	3.58216159	0.00022079	No
Nkx1-2	0.11197	0.037609	-0.074361	0.00320916	No	Cdc14b	6.30782	16.4785	1.38537153	6.30882	16.4795	1.38523038	0.00685176	No
Nkx2-5	0.51862	0.25022	-0.2684	0.00017491	No	Cdc23	25.3181	13.6274	-0.8936588	25.3191	13.6284	-0.8936099	0.0250666	No
Nkx2-8	0.092521	0.039404	-0.053117	2.37E-07	No	Cdc25a	3.531	6.34134	0.84471091	3.532	6.34234	0.84452988	0.0466155	No
Nkx3-1	0.1179	0.03429	-0.08361	2.15E-05	No	Cdc25b	104.149	2.74751	-5.2443804	104.15	2.74851	-5.2438693	0.00022079	No
Nkx6-1	0.16778	0.096925	-0.070855	0.03999251	No	Cdc25c	4.37056	1.46046	-1.5813953	4.37156	1.46146	-1.5807379	0.00227055	No
Nkx6-2	0.081719	0.024761	-0.056958	4.52E-08	No	Cdc42	593.748	222.103	-1.4186219	593.749	222.104	-1.4186178	0.00041963	No
Nlgn3	0.16348	0.042317	-0.121163	2.75E-07	No	Cdc42bpa	0.0540333	8.95209	7.37223194	0.0550333	8.95309	7.34593704	0.00113657	No
Nlrp6	0.21046	0.080289	-0.130171	0.00148947	No	Cdc42bpb	0.0238671	16.7857	9.45799371	0.0248671	16.7867	9.39886466	0.0245052	No
Nmnat2	0.081553	0.031158	-0.050395	4.32E-06	No	Cdc42ep2	0.0857081	30.0543	8.45392415	0.0867081	30.0553	8.43723693	0.00022079	No
Nmur2	0.078107	0.017195	-0.060912	2.88E-05	No	Cdc42ep4	0.246586	7.41812	4.91089081	0.247586	7.41912	4.90524643	0.00466383	No
Nnat	0.90932	0.259	-0.65032	1.97E-09	No	Cdc42se1	250.36	117.421	-1.0923136	250.361	117.422	-1.0923071	0.0195167	No
Nodal	0.34989	0.090794	-0.259096	6.38E-06	No	Cdc42se2	178.086	27.6286	-2.6883397	178.087	27.6296	-2.6882956	0.00022079	No
Nol3	0.79287	0.61075	-0.18212	0.00078236	No	Cdc6	0.515809	10.28	4.31685951	0.516809	10.281	4.31420559	0.00022079	No
Nol4	0.20203	0.02638	-0.17565	1.61E-05	No	Cdca3	0.739744	6.47521	3.12982899	0.740744	6.47621	3.12810283	0.00060553	No
Notch3	0.1883	0.069917	-0.118383	0.00105615	No	Cdca7	4.83085	0.922032	-2.3893883	4.83185	0.923032	-2.3881231	0.00480115	No
Npas4	0.20538	0.076182	-0.129198	1.97E-09	No	Cdca7l	29.6594	6.19218	-2.2599701	29.6604	6.19318	-2.2597858	0.00022079	No
Npb	0.7577	0.20096	-0.55674	1.81E-12	No	Cdcp1	0	4.85098	inf	0.001	4.85198	12.2443579	0.00022079	No
Npc111	0.80231	0.51268	-0.28963	0.00866691	No	Cdh1	0.0784503	39.4916	8.97555114	0.0794503	39.4926	8.95731397	0.00022079	No
Npr1	0.49544	0.23165	-0.26379	0.0002817	No	Cdh16	0	388.27	inf	0.001	388.271	18.5667044	0.00022079	No
Nptx2	0.10161	0.027801	-0.073809	0.00017491	No	Cdh5	0	9.04582	inf	0.001	9.04682	13.1431951	0.00022079	No
Npy	0.10394	0.037413	-0.066527	0.02257431	No	CDH6	0	7.35181	inf	0.001	7.35281	12.84408	0.00022079	No
Npy5r	0.17041	0.091641	-0.078769	0.00438283	No	Cdhr1	0.271659	3.05603	3.49178996	0.272659	3.05703	3.48696103	0.00022079	No
Nrk	0.48225	0.22871	-0.25354	0.01660198	No	Cdhr2	0.132278	1.87382	3.82433733	0.133278	1.87482	3.81424153	0.00579147	No
Nrsn2	0.83924	0.37139	-0.46785	4.29E-07	No	Cdip1	10.5152	25.0883	1.25453843	10.5162	25.0893	1.25445873	0.0155671	No
Nsd1	0.088618	0.17778	0.089162	0.0007955	No	Cdk1	0.807571	6.03713	2.90220186	0.808571	6.03813	2.90065545	0.00022079	No
Nt5e	0.081799	0.030395	-0.051404	0.00119531	No	CDK12	26.0105	7.96814	-1.7067792	26.0115	7.96914	-1.7066536	0.00494367	No
Ntn1	0.14087	0.057965	-0.082905	0.00123983	No	Cdk13	49.5137	11.049	-2.163912	49.5147	11.05	-2.1638105	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ntn3	0.1801	0.014269	-0.165831	7.63E-07	No	Cdk17	20.2879	6.06187	-1.7427847	20.2889	6.06287	-1.7426179	0.00022079	No
Ntn4	0.29343	0.156	-0.13743	0.00693052	No	Cdk18	0	10.7482	inf	0.001	10.7492	13.3919417	0.00022079	No
Ntrk2	0.08582	0.0077469	-0.0780731	0.00055683	No	Cdk19	34.4554	9.68114	-1.8314813	34.4564	9.68214	-1.8313741	0.00022079	No
Ntsr1	0.1073	0.0235	-0.0838	5.49E-05	No	Cdk2	25.2904	8.78474	-1.5255184	25.2914	8.78574	-1.5254112	0.00022079	No
Numbl	0.87479	0.62583	-0.24896	3.93E-05	No	Cdk2ap2	55.3114	124.967	1.17589841	55.3124	124.968	1.17588387	0.00022079	No
Oaz1	0.62101	0.096519	-0.524491	1.86E-06	No	Cdk6	9.79102	4.87002	-1.0075315	9.79202	4.87102	-1.0073826	0.00632443	No
Ogfod1	0.17021	0.071445	-0.098765	7.02E-06	No	Cdk9	88.3567	55.2123	-0.6783498	88.3577	55.2133	-0.67834	0.0336988	No
Olfm2	0.13406	0.061064	-0.072996	0.0074695	No	Cdkl1	0.0285249	357.117	13.6118874	0.0295249	357.118	13.5621811	0.00022079	No
Olig1	0.11592	0.044619	-0.071301	0.01155321	No	Cdkn1a	0.166213	8.98387	5.75623192	0.167213	8.98487	5.74773871	0.00078858	No
Olig2	0.09563	0.04259	-0.05304	0.0153478	No	Cdkn1b	230.937	42.3379	-2.4474777	230.938	42.3389	-2.4474499	0.00022079	No
Olig3	0.13277	0.04093	-0.09184	0.01000157	No	Cdkn2aip	17.6768	7.76937	-1.1859876	17.6778	7.77037	-1.1858835	0.00211842	No
Olr1462	0.65329	0.47614	-0.17715	0.00320916	No	Cdo1	0.173438	27.1253	7.28907526	0.174438	27.1263	7.28083411	0.00147497	No
Olr1474	0.87969	0.81467	-0.06502	0.00866691	No	Cdr2	1.15487	20.2317	4.13081518	1.15587	20.2327	4.1296378	0.00022079	No
Onecut1	0.097279	0.024247	-0.073032	0.0190918	No	Cdr2l	0.123074	1.50936	3.61633902	0.124074	1.51036	3.60561973	0.0286013	No
Opcml	0.072425	0.019997	-0.052428	1.24E-06	No	Cds1	0.0355743	17.749	8.96268666	0.0365743	17.75	8.92277306	0.0309567	No
Oprm1	0.071455	0.018516	-0.052939	0.00026127	No	Cds2	25.0085	11.3611	-1.138316	25.0095	11.3621	-1.1382467	0.00778313	No
Osbp18	0.29648	0.086988	-0.209492	4.29E-07	No	Cdv3	49.8339	26.3016	-0.9219769	49.8349	26.3026	-0.921951	0.0393438	No
Osm	0	0.31287	0.31287	2.83E-08	No	Cdyl	7.93307	3.86892	-1.0359484	7.93407	3.86992	-1.0357574	0.0143389	No
Otop2	0.28846	0.11458	-0.17388	9.44E-05	No	Cdyl2	8.7786	1.54822	-2.5033804	8.7796	1.54922	-2.5026132	0.00060553	No
Otp	0.24261	0.081528	-0.161082	0.00393505	No	Cebpa	0.153467	6.6168	5.4301333	0.154467	6.6178	5.42098113	0.0186157	No
Ovol1	0.18915	0.064929	-0.124221	0.02965439	No	Cebpd	0.145872	15.7306	6.7527269	0.146872	15.7316	6.74296222	0.0208857	No
Oxct2a	0.58694	0.23922	-0.34772	0.00017491	No	Cebpz	35.2008	16.2812	-1.1124012	35.2018	16.2822	-1.1123536	0.00378481	No
Oxsr1	0.06954	0.007498	-0.062042	0.00046099	No	Cecr2	0.321814	1.03132	1.68019305	0.322814	1.03232	1.6771152	0.0279776	No
P2rx2	0.71978	0.49304	-0.22674	0.02616573	No	Celf2	61.5647	6.18564	-3.3151086	61.5657	6.18664	-3.3148988	0.00022079	No
P2rx7	0.71069	0.25054	-0.46015	1.94E-11	No	Celsr2	2.18799	36.929	4.07707615	2.18899	36.93	4.07645599	0.00022079	No
P3h2	0.079763	0.02646	-0.053303	0.0074695	No	Cenpc	8.30271	2.99156	-1.4726843	8.30371	2.99256	-1.4723759	0.00022079	No
Pabpc5	0.10432	0.036776	-0.067544	0.00799193	No	Cenpo	5.45567	1.29746	-2.0720663	5.45667	1.29846	-2.0712192	0.0420093	No
Padi1	0.6646	0.4506	-0.214	0.02616573	No	Cenpp	1.41324	19.1547	3.76062004	1.41424	19.1557	3.75967487	0.00508519	No
Pak7	0.32062	0.079499	-0.241121	3.92E-06	No	Cenpv	6.77845	20.8835	1.6233362	6.77945	20.8845	1.62319246	0.0131304	No
Palmd	0.51744	0.20228	-0.31516	0.00095268	No	Cep120	17.8664	6.32424	-1.4982849	17.8674	6.32524	-1.4981376	0.00022079	No
Papalb	0.38904	0.21348	-0.17556	3.98E-06	No	Cep135	2.84449	0.693166	-2.0368972	2.84549	0.694166	-2.0353245	0.0019604	No
Pappa	0.13541	0.049521	-0.085889	0.00066856	No	Cep152	4.16095	1.70111	-1.2904365	4.16195	1.70211	-1.2899354	0.00975879	No
Paqr4	0.46595	0.24849	-0.21746	1.19E-05	No	CEP170	7.0963	1.52731	-2.2160741	7.0973	1.52831	-2.2153331	0.00022079	No
Paqr7	0.79964	0.11693	-0.68271	3.82E-07	No	Cep170b	2.57186	15.9145	2.62945781	2.57286	15.9155	2.62898762	0.00022079	No
Pard3	0.070054	0.014968	-0.055086	3.61E-09	No	Cep19	8.69676	30.1859	1.79532489	8.69776	30.1869	1.7952068	0.00022079	No
Pawr	0.070268	0.017257	-0.053011	0.00276056	No	Cep250	12.5862	5.64162	-1.1576614	12.5872	5.64262	-1.1575203	0.00645389	No
Pax7	0.10853	0.043397	-0.065133	1.07E-08	No	Cep350	11.988	4.76655	-1.3305737	11.989	4.76755	-1.3303914	0.00041963	No
Pcdh7	0.30437	0.16397	-0.1404	0.00055683	No	Cep41	7.99332	1.4786	-2.434563	7.99432	1.4796	-2.4337681	0.00022079	No
Pcdh8	0.14059	0.040772	-0.099818	2.49E-12	No	Cep57l1	11.6896	5.58483	-1.0656403	11.6906	5.58583	-1.0655054	0.0166327	No
Pcdh9	0.024177	0.13016	0.105983	0.00040483	No	Cep70	2.3567	9.50501	2.01192002	2.3577	9.50601	2.01145976	0.00392909	No
Pcdha9	0.36525	0.1569	-0.20835	3.45E-06	No	Cep85	16.4258	5.68391	-1.531008	16.4268	5.68491	-1.5308421	0.00752743	No
Pcdhac1	0.28627	0.12315	-0.16312	0.0006129	No	Cep85l	5.01046	1.06891	-2.2288027	5.01146	1.06991	-2.2277415	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pcdhac2	0.16081	0.044004	-0.116806	1.15E-05	No	Cep89	3.75683	12.9273	1.78283325	3.75783	12.9283	1.78256087	0.00022079	No
Pcdhb3	0.72305	0.57201	-0.15104	0.0190918	No	Cep97	12.1971	1.34159	-3.1845224	12.1981	1.34259	-3.1835657	0.0369799	No
Pcdhga1	0.32277	0.21767	-0.1051	1.77E-05	No	Cerk	39.6119	4.99945	-2.9860926	39.6129	5.00045	-2.9858405	0.00022079	No
Pcdhga10	0.38015	0.16388	-0.21627	7.63E-07	No	Cers5	39.2095	15.8647	-1.305383	39.2105	15.8657	-1.3053289	0.00022079	No
Pcdhga2	0.49299	0.31843	-0.17456	2.57E-05	No	Ces1d	0	4.9874	inf	0.001	4.9884	12.2843614	0.00022079	No
Pcdhga3	0.38127	0.18699	-0.19428	1.81E-12	No	Ces1e	0	11.7638	inf	0.001	11.7648	13.5221892	0.00022079	No
Pcdhga8	0.71443	0.49834	-0.21609	0.00088439	No	Ces2g	0	6.83161	inf	0.001	6.83261	12.7382211	0.00022079	No
Pcdhgb7	0.45118	0.29823	-0.15295	0.00032353	No	Ces1	0	69.7556	inf	0.001	69.7566	16.0900421	0.00288641	No
Pcdhgb8	0.69754	0.51349	-0.18405	0.01245124	No	Cfh	0.105166	4.44596	5.4017547	0.106166	4.44696	5.38842571	0.00078858	No
Pcsk1n	0.16259	0.034524	-0.128066	0.00123983	No	Cfi	0	1.51056	inf	0.001	1.51156	10.5618225	0.00022079	No
Pcsk2	0.12142	0.028065	-0.093355	0.00032353	No	Cfl1	1422.44	589.922	-1.2697717	1422.441	589.923	-1.2697703	0.00711928	No
Pcsk9	0.09438	0.019442	-0.074938	0.00088439	No	Cfl2	3.78347	25.5876	2.75766292	3.78447	25.5886	2.75733804	0.00022079	No
Pde10a	0.12442	0.072335	-0.052085	0.02858085	No	Cggbp1	48.8677	14.6275	-1.740198	48.8687	14.6285	-1.7401289	0.00022079	No
Pde11a	0.77266	0.47401	-0.29865	6.38E-06	No	Cgn	0.0347053	14.3994	8.69663698	0.0357053	14.4004	8.65575493	0.00858283	No
Pde6c	0.65856	0.50891	-0.14965	0.00334577	No	Cgnl1	52.6522	198.261	1.91283519	52.6532	198.262	1.91281507	0.00078858	No
Pdgfra	0.092554	0.019506	-0.073048	0.00034271	No	Chac1	0.0807249	1.02148	3.6615034	0.0817249	1.02248	3.64515311	0.035911	No
Pdlim3	0.10347	0.045311	-0.058159	8.49E-05	No	Chchd1	55.6448	123.938	1.15529981	55.6458	123.939	1.15528553	0.00348745	No
Pdx1	0.14358	0.044772	-0.098808	2.18E-05	No	Chchd4	7.82654	18.7572	1.26099793	7.82754	18.7582	1.26089052	0.00551024	No
Peg12	0.16033	0.078824	-0.081506	4.02E-11	No	Chchd6	7.66519	22.5822	1.55879258	7.66619	22.5832	1.55866827	0.00180113	No
Pf4	0.03617	0.20035	0.16418	4.22E-05	No	Chd1	50.9805	10.0341	-2.3450343	50.9815	10.0351	-2.3449188	0.00022079	No
Pgbd5	0.14588	0.070887	-0.074993	0.0190918	No	Chd2	233.752	37.3148	-2.6471589	233.753	37.3158	-2.6471264	0.00022079	No
Pgc	0.92864	0.80554	-0.1231	0.00095268	No	Chd3	193.839	21.6169	-3.1646273	193.84	21.6179	-3.164568	0.00022079	No
Pgp	0.24647	0.049345	-0.197125	5.95E-12	No	Chd4	83.7512	41.5317	-1.0118969	83.7522	41.5327	-1.0118794	0.00870822	No
Phf1	0.7347	0.49921	-0.23549	9.96E-05	No	Chd6	22.7331	8.83494	-1.3635022	22.7341	8.83594	-1.3634024	0.00333723	No
Phldb3	0.38485	0.06855	-0.3163	0.00074247	No	Chd7	7.27584	3.18235	-1.1930213	7.27684	3.18335	-1.1927663	0.0441272	No
Phlpp1	0.4989	0.083607	-0.415293	1.42E-10	No	Chd8	38.8509	14.438	-1.4280771	38.8519	14.439	-1.4280143	0.00180113	No
Phox2a	0.25723	0.081826	-0.175404	7.75E-05	No	Chdh	0	30.524	inf	0.001	30.525	14.8977037	0.00022079	No
Pif1	0.0025158	0.10328	0.1007642	1.81E-12	No	Chek2	4.06282	1.70062	-1.2564206	4.06382	1.70162	-1.2559276	0.0242871	No
Pih1d3	0.13757	0.040234	-0.097336	0.01245124	No	Chic2	63.0444	16.223	-1.9583276	63.0454	16.224	-1.9582616	0.00022079	No
Pla2g10	0.41449	0.087074	-0.327416	0.00276056	No	Chka	7.97635	21.2279	1.41216104	7.97735	21.2289	1.41204814	0.00041963	No
Pla2g3	0.47772	0.30536	-0.17236	0.0250308	No	Chm	15.8417	5.13702	-1.6247236	15.8427	5.13802	-1.6245338	0.00022079	No
Pla2r1	0.40071	0.20726	-0.19345	0.01406934	No	Chmp2a	122.253	300.836	1.29910735	122.254	300.837	1.29910035	0.00180113	No
Plac9	0.22347	0.1026	-0.12087	6.18E-11	No	Chmp2b	9.92875	24.2988	1.29120106	9.92975	24.2998	1.29111514	0.00022079	No
Plagl1	0.47588	0.22231	-0.25357	7.99E-06	No	Chmp3	79.5185	158.947	0.99918334	79.5195	158.948	0.99917427	0.00348745	No
Plcg2	0.0090715	0.077628	0.0685565	1.28E-05	No	Chmp5	21.7139	92.2985	2.08768833	21.7149	92.2995	2.08763752	0.00022079	No
Plec	0.85585	0.54717	-0.30868	0.00088439	No	Chn2	4.67971	17.7719	1.92510689	4.68071	17.7729	1.92487982	0.00022079	No
Plek2	0.11698	0.019538	-0.097442	0.00017491	No	Chordc1	31.2392	18.2331	-0.7767976	31.2402	18.2341	-0.7767647	0.0290073	No
Plg	0.84272	0.78944	-0.05328	0.01333327	No	Chp1	23.3799	59.7068	1.35262649	23.3809	59.7078	1.35258895	0.00022079	No
Plod1	0.19765	0.088622	-0.109028	0.02616573	No	Chrm3	0	1.33442	inf	0.001	1.33542	10.3830778	0.00022079	No
Plpp3	0.078114	0.020706	-0.057408	2.83E-06	No	Chrnb1	0.209932	3.05613	3.86371191	0.210932	3.05713	3.85732802	0.00618779	No
Plpp4	0.094827	0.03719	-0.057637	0.00799193	No	Chst15	5.51257	1.72666	-1.674741	5.51357	1.72766	-1.6741674	0.00022079	No
Plpp6	0.12817	0.018503	-0.109667	3.93E-05	No	Chst2	3.35144	10.5786	1.6582957	3.35244	10.5796	1.65800167	0.00273202	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Plpp7	0.78913	0.30596	-0.48317	1.81E-12	No	Chst9	0	19.5282	inf	0.001	19.5292	14.2533452	0.00022079	No
Plppr4	0.10263	0.025545	-0.077085	0.00034271	No	Chsy1	9.11926	3.05754	-1.5765454	9.12026	3.05854	-1.5762318	0.00022079	No
Plppr5	0.09893	0.010779	-0.088151	1.46E-05	No	Churc1	126.284	255.082	1.01428923	126.285	255.083	1.01428347	0.00672121	No
Plscr3	0.82457	0.42507	-0.3995	5.97E-08	No	Ciapin1	14.2761	44.3115	1.63407925	14.2771	44.3125	1.63401076	0.00022079	No
Plvap	0.36444	0.14613	-0.21831	0.00088439	No	Cib1	98.9383	179.138	0.85647039	98.9393	179.139	0.85646386	0.00685176	No
Plxbn2	0.11187	0.02001	-0.09186	0.00018202	No	Cib2	0.066167	5.91052	6.48102938	0.067167	5.91152	6.45963273	0.0159346	No
Pmaip1	0.54152	0.1607	-0.38082	1.81E-12	No	Cidea	0	7.54731	inf	0.001	7.54831	12.881938	0.00022079	No
Pnck	0.70822	0.4674	-0.24082	0.00595469	No	Cideb	0.294217	11.9181	5.34012984	0.295217	11.9191	5.33535569	0.00304332	No
Pnkp	0.30781	0.075962	-0.231848	0.00553374	No	Cir1	57.3112	19.4704	-1.5575346	57.3122	19.4714	-1.5574857	0.00022079	No
Pnmt	0.1525	0.36415	0.21165	8.01E-05	No	Cirh1a	38.8888	12.6098	-1.6248093	38.8898	12.6108	-1.624732	0.0159346	No
Pnpla1	0.48196	0.088239	-0.393721	4.29E-07	No	Cisd1	76.2446	438.588	2.52415927	76.2456	438.589	2.52414364	0.00022079	No
Polg2	0.38507	0.023634	-0.361436	0.00010392	No	Cisd2	11.747	18.7298	0.67304313	11.748	18.7308	0.67299735	0.0469889	No
Pou3f2	0.21861	0.0793	-0.13931	0.00364323	No	Cisd3	25.2539	98.8053	1.96808223	25.2549	98.8063	1.9680397	0.00022079	No
Pou4f2	0.10175	0.026432	-0.075318	0.00364323	No	Cit	0.132184	2.05797	3.96060249	0.133184	2.05897	3.95043013	0.00060553	No
Pou4f3	0.1003	0.032704	-0.067596	3.09E-05	No	Cited2	46.6696	88.1705	0.91781294	46.6706	88.1715	0.91779839	0.00480115	No
Pou5f1	0.80952	0.55416	-0.25536	0.00044355	No	Cited4	0	1.28828	inf	0.001	1.28928	10.3323499	0.00022079	No
Pou6f1	0.76016	0.37174	-0.38842	0.0001571	No	Cks2	2.61859	19.4491	2.8928413	2.61959	19.4501	2.89236464	0.00436941	No
Ppara	0.43968	0.069915	-0.369765	1.18E-08	No	CLASP1	12.4449	7.00078	-0.8299671	12.4459	7.00178	-0.8298769	0.0261671	No
Pparg	0.10239	0.030959	-0.071431	7.02E-06	No	Clasp2	11.3491	6.39357	-0.8278843	11.3501	6.39457	-0.8277858	0.0415916	No
Ppfia2	0.14446	0.034368	-0.110092	6.38E-06	No	Clca2	0	1.01835	inf	0.001	1.01935	9.99343378	0.00022079	No
Ppfia3	0.30937	0.037545	-0.271825	6.38E-06	No	Clcn2	0.0256044	1.85557	6.17932686	0.0266044	1.85657	6.12483103	0.011893	No
Ppp1r14a	0.72261	0.34667	-0.37594	1.51E-09	No	Clcn4	0.232755	3.48376	3.90376117	0.233755	3.48476	3.89799017	0.00022079	No
Ppp1r14b	0.28393	0.15894	-0.12499	1.18E-09	No	Clcnka	0	16.7144	inf	0.001	16.7154	14.0288903	0.00022079	No
Ppp1r3b	0.11819	0.020722	-0.097468	7.75E-05	No	Clcnkb	0.168801	286.366	10.728321	0.169801	286.367	10.7198046	0.00022079	No
Ppp1r3d	0.21428	0.04037	-0.17391	1.81E-12	No	Cldn10	1.79419	201.959	6.81458595	1.79519	201.96	6.81378923	0.00022079	No
Ppp2r5b	0.72747	0.07633	-0.65114	6.77E-07	No	Cldn16	0	71.2123	inf	0.001	71.2133	16.1198591	0.00022079	No
Prkag3	0.032299	0.084521	0.052222	0.00010654	No	Cldn17	0	25.9734	inf	0.001	25.9744	14.6648028	0.00022079	No
Prkar1a	0.093566	0.28188	0.188314	0.0017676	No	Cldn6	0.147756	3.02192	4.35417685	0.148756	3.02292	4.34492303	0.0308614	No
Prkdbp	0.36812	0.1607	-0.20742	0.00066856	No	Clec10a	0.217426	5.92998	4.76943086	0.218426	5.93098	4.76305401	0.0019604	No
Prkce	0.52414	0.037142	-0.486998	1.81E-12	No	Clec16a	5.02692	14.9113	1.56865941	5.02792	14.9123	1.56846919	0.00022079	No
Prkd1	0.078802	0.022168	-0.056634	1.44E-06	No	Clec2d2	29.2977	0.532663	-5.7814205	29.2987	0.533663	-5.7787639	0.00022079	No
Prlhr	0.088655	0.03213	-0.056525	0.00161991	No	Clec4a1	0.937191	4.63203	2.30522959	0.938191	4.63303	2.30400246	0.0189519	No
Prmt8	0.13479	0.025172	-0.109618	2.14E-07	No	Clec4a3	0.940387	13.1938	3.81046174	0.941387	13.1948	3.80903774	0.00022079	No
Proca1	0.25959	0.037067	-0.222523	2.14E-06	No	Clec7a	0.587361	3.36051	2.51636082	0.588361	3.36151	2.51433592	0.0174725	No
Prok2	0.11949	0.066758	-0.052732	0.02965439	No	Clic1	62.7576	282.917	2.17251678	62.7586	282.918	2.17249889	0.0412912	No
Prpf3	0.44439	0.065739	-0.378651	2.74E-06	No	Clic2	0.308711	13.8151	5.4838453	0.309711	13.8161	5.479284	0.00147497	No
Prpf31	0.55385	0.30799	-0.24586	3.17E-08	No	Clic4	7.10548	144.349	4.34448519	7.10648	144.35	4.34429216	0.00022079	No
Prss23	0.14803	0.041754	-0.106276	3.72E-06	No	CLIC5	1.12829	9.25144	3.03554001	1.12929	9.25244	3.03441786	0.00022079	No
Prss32	0.55268	0.26658	-0.2861	0.00334577	No	Clip2	3.37107	10.0378	1.57416462	3.37207	10.0388	1.57388044	0.00022079	No
Prss34	0.74757	0.43832	-0.30925	0.00095268	No	Clk1	168.491	101.111	-0.7367316	168.492	101.112	-0.7367259	0.0371671	No
Prss36	0.89042	0.51052	-0.3799	6.77E-07	No	Clk2	70.6858	30.304	-1.2219122	70.6868	30.305	-1.221885	0.00060553	No
Psapl1	0.75273	0.4446	-0.30813	0.00161991	No	Clk4	48.6331	26.9661	-0.8507917	48.6341	26.9671	-0.8507678	0.0174725	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Psd	0.59447	0.39909	-0.19538	0.00707993	No	Clmn	0	17.3501	inf	0.001	17.3511	14.0827395	0.00022079	No
Psmas8	0.86645	0.75051	-0.11594	0.00723072	No	Cln5	0.978959	5.47208	2.48276898	0.979959	5.47308	2.48155965	0.00318754	No
Psemb10	0.87357	0.068597	-0.804973	3.82E-07	No	Cln8	3.29647	6.64788	1.01197239	3.29747	6.64888	1.01175181	0.0421044	No
Psmes2	0.2087	0.035918	-0.172782	0.0002817	No	Clns1a	72.7297	35.8255	-1.0215578	72.7307	35.8265	-1.0215374	0.00348745	No
Ptgr1	0.085935	0.02214	-0.063795	0.00197715	No	Clp1	10.6423	4.54962	-1.225992	10.6433	4.55062	-1.2258105	0.0261671	No
Pth2	0.14615	0.060915	-0.085235	0.00438283	No	Clpb	7.44166	36.236	2.28372733	7.44266	36.237	2.28357329	0.00022079	No
Pth2r	0.10067	0.03039	-0.07028	3.14E-06	No	Clpx	18.7373	34.8308	0.89445053	18.7383	34.8318	0.89441496	0.00858283	No
Ptma	0.41419	0.16742	-0.24677	1.22E-10	No	Clrn3	0	3.06912	inf	0.001	3.07012	11.5840793	0.00022079	No
Ptx3	0.019844	0.10699	0.087146	0.00088439	No	Cltas	164.603	306.641	0.89755998	164.604	306.642	0.89755592	0.00480115	No
Purg	0.34513	0.053451	-0.291679	6.03E-09	No	Cltb	18.6441	91.674	2.29779347	18.6451	91.675	2.29773183	0.00022079	No
Pvrl2	0.366	0.16713	-0.19887	0.00066856	No	Cltc	23.7734	80.7554	1.76421049	23.7744	80.7564	1.76416767	0.00022079	No
Rab12	0.13936	0.038247	-0.101113	0.04101176	No	Clu	1.76556	278.492	7.30136623	1.76656	278.493	7.30055451	0.00022079	No
Rab13	0.075655	0.0025	-0.073155	0.00148947	No	Cluh	13.629	67.1705	2.30114806	13.63	67.1715	2.30106368	0.00022079	No
Rab15	0.10634	0.03381	-0.07253	0.00799193	No	Cmah	74.483	10.7489	-2.7927222	74.484	10.7499	-2.7926073	0.00022079	No
Rab24	0.6534	0.22116	-0.43224	5.63E-08	No	CMC2	20.8733	89.4419	2.09929213	20.8743	89.4429	2.09923915	0.00022079	No
Rab26	0.86373	0.7759	-0.08783	0.04101176	No	Cml1	0.226358	11.863	5.71171879	0.227358	11.864	5.70548092	0.00565535	No
Rab36	0.79496	0.56634	-0.22862	0.00148947	No	Cmtm3	15.83	4.36097	-1.8599403	15.831	4.36197	-1.8597006	0.00022079	No
Radil	0.11724	0.028689	-0.088551	0.00636684	No	Cmtm4	0.682021	5.14052	2.91402624	0.683021	5.14152	2.91219309	0.0175851	No
Rai1	0.63534	0.2529	-0.38244	3.10E-06	No	Cmtm7	90.0848	42.4023	-1.0871412	90.0858	42.4033	-1.0871232	0.0305572	No
Rapgef3	0.13216	0.025323	-0.106837	0.01783979	No	Cmtm8	0.685493	16.7947	4.61472028	0.686493	16.7957	4.6127031	0.00579147	No
Rasef	0.19681	0.037044	-0.159766	5.01E-11	No	Cmtr2	5.67757	2.08921	-1.4423161	5.67857	2.09021	-1.4418798	0.00147497	No
Rasgef1c	0.021679	0.41778	0.396101	3.82E-07	No	Cnbp	448.39	200.854	-1.1586069	448.391	200.855	-1.1586029	0.00436941	No
Rasgrp4	0.92527	0.65598	-0.26929	5.89E-07	No	Cnga1	3.51776	0.152688	-4.5259985	3.51876	0.153688	-4.5169907	0.01483	No
Rasl10b	0.011484	0.23014	0.218656	1.28E-05	No	Cnksr3	6.43494	12.3922	0.94543373	6.43594	12.3932	0.94532597	0.0281894	No
Rax	0.13744	0.051785	-0.085655	0.00553374	No	Cnn2	313.345	17.3626	-4.1736971	313.346	17.3636	-4.1736186	0.0199689	No
Rbfox3	0.79352	0.17599	-0.61753	1.74E-09	No	Cnn3	29.4935	139.979	2.24674146	29.4945	139.98	2.24670286	0.00022079	No
Rbm46	0.31407	0.087127	-0.226943	1.15E-05	No	Cnot10	38.4495	22.6262	-0.7649705	38.4505	22.6272	-0.7649443	0.0308614	No
Rbp3	0.84662	0.75806	-0.08856	0.00610512	No	Cnot2	56.3632	26.1754	-1.1065419	56.3642	26.1764	-1.1065124	0.00113657	No
Rbpjl	0.057608	0.29849	0.240882	7.99E-06	No	Cnot3	27.4162	14.0422	-0.9652596	27.4172	14.0432	-0.9652095	0.0253888	No
Rcor2	0.25325	0.09794	-0.15531	1.08E-09	No	Cnot4	16.2819	7.23168	-1.1708663	16.2829	7.23268	-1.1707554	0.00318754	No
Rdh10	0.19174	0.036037	-0.155703	0.00021466	No	Cnot6l	30.0666	10.8346	-1.4725158	30.0676	10.8356	-1.4724307	0.00022079	No
Rem1	0.5168	0.10407	-0.41273	2.92E-08	No	Cnp	125.981	13.5156	-3.2205087	125.982	13.5166	-3.2204134	0.00022079	No
Retn	0.81625	0.41043	-0.40582	4.22E-07	No	Cnppd1	124.956	31.8669	-1.9712896	124.957	31.8679	-1.9712559	0.00022079	No
RGD1309036	0.8086	0.42181	-0.38679	2.40E-06	No	Cnpy1	0	8.63358	inf	0.001	8.63458	13.0759103	0.00022079	No
RGD1309362	0.85068	0.67948	-0.1712	0.00119531	No	Cnpy2	78.7379	134.433	0.77175719	78.7389	134.434	0.7717496	0.0283842	No
RGD1359334	0.81334	0.73021	-0.08313	0.00065362	No	Cnrip1	4.54358	1.26435	-1.8454336	4.54458	1.26535	-1.8446105	0.0138632	No
RGD1560108	0.86511	0.088992	-0.776118	3.82E-07	No	Cntf	36.0725	94.0863	1.38308525	36.0735	94.0873	1.38306059	0.00508519	No

RRBS						RNAseq								
gene	Blood	Kidney	methyL.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
RGD1560394	0.68834	0.4227	-0.26564	0.00135614	No	Cntln	0.115146	1.3814	3.58459493	0.116146	1.3824	3.57316375	0.0195167	No
RGD1560608	0.15574	0.09661	-0.05913	0.01660198	No	Cntrl	23.9509	7.23567	-1.7268814	23.9519	7.23667	-1.7267422	0.00022079	No
RGD1561870	0.55253	0.22634	-0.32619	0.00088439	No	Coa3	43.0054	131.53	1.61280216	43.0064	131.531	1.61277959	0.0212313	No
RGD1562114	0.86259	0.14918	-0.71341	1.81E-12	No	Coa4	4.6608	16.7799	1.84808461	4.6618	16.7809	1.84786108	0.00022079	No
RGD1562218	0.79576	0.31954	-0.47622	1.03E-05	No	Coa5	16.9646	48.3042	1.50962122	16.9656	48.3052	1.50956605	0.0421044	No
RGD1562726	0.68988	0.16672	-0.52316	1.81E-12	No	Coasy	28.5589	57.2915	1.0043807	28.5599	57.2925	1.00435536	0.00805135	No
RGD1563072	0.083193	0.016507	-0.066686	2.14E-08	No	Cobl	0	27.5337	inf	0.001	27.5347	14.7489633	0.00022079	No
RGD1563348	0.46679	0.21973	-0.24706	1.15E-05	No	Cobl1	2.21249	39.7918	4.16872832	2.21349	39.7928	4.16811266	0.00022079	No
RGD1563425	0.37394	0.29474	-0.0792	0.03531391	No	Cog3	14.6417	7.14015	-1.0360568	14.6427	7.14115	-1.0359533	0.00227055	No
RGD1564482	0.7612	0.1572	-0.604	1.15E-06	No	Col12a1	0.0119519	7.40824	9.27574704	0.0129519	7.40924	9.160018	0.0176974	No
RGD1565611	0.22435	0.10812	-0.11623	0.01078302	No	Col1a1	0	1.73053	inf	0.001	1.73153	10.7578317	0.00022079	No
RGD1566401	0.47033	0.25713	-0.2132	1.44E-07	No	COL4A3	63.364	106.554	0.74984944	63.365	106.555	0.74984021	0.0271748	No
Rgma	0.098179	0.022599	-0.07558	5.03E-06	No	Col4a3bp	26.7995	14.9521	-0.841858	26.8005	14.9531	-0.8418153	0.010144	No
Rgn	0.57588	0.22689	-0.34899	7.36E-06	No	Col4a5	0	43.4106	inf	0.001	43.4116	15.405793	0.00022079	No
Rgs17	0.069969	0.018609	-0.05136	0.00019244	No	Col5a2	0	2.60326	inf	0.001	2.60426	11.3466578	0.00022079	No
Rgs20	0.08244	0.018923	-0.063517	0.00261188	No	Col6a1	0	1.79099	inf	0.001	1.79199	10.8073469	0.00022079	No
Rgs7	0.10031	0.022263	-0.078047	2.74E-06	No	Col8a1	0	1.16109	inf	0.001	1.16209	10.1825061	0.00022079	No
Rhbd1	0.22756	0.055163	-0.172397	3.82E-07	No	Comm1	37.9044	103.167	1.44454434	37.9054	103.168	1.44452026	0.00536605	No
Rhoc	0.69112	0.039309	-0.651811	2.83E-08	No	Comm10	18.9159	35.5487	0.91019738	18.9169	35.5497	0.9101617	0.0126352	No
Rhoh	0.08154	0.41371	0.33217	1.03E-05	No	Comm3	28.7542	98.5459	1.77702315	28.7552	98.5469	1.77698762	0.00022079	No
Ric3	0.088312	0.029449	-0.058863	0.00070889	No	Comm7	81.6604	30.435	-1.4239053	81.6614	30.436	-1.4238755	0.00022079	No
Rims2	0.13413	0.048086	-0.086044	0.00334577	No	Comm9	28.8374	77.4643	1.42559049	28.8384	77.4653	1.42555909	0.00022079	No
Rin1	0.49663	0.078785	-0.417845	3.82E-07	No	Comt	21.6683	116.844	2.43092578	21.6693	116.845	2.43087155	0.00022079	No
Ripk4	0.072054	0.0049341	-0.0671199	7.75E-05	No	COPE	62.7617	126.824	1.01487145	62.7627	126.825	1.01485984	0.00164037	No
Rmrp	0.33014	0.1626	-0.16754	0.00032353	No	Copg1	33.7459	59.5076	0.8183617	33.7469	59.5086	0.8183432	0.00818469	No
Rn28s	0.050999	0.21005	0.159051	0.00021466	No	Coprs	20.2383	106.838	2.40026486	20.2393	106.839	2.40020708	0.00022079	No
Rn45s	0.26945	0.10551	-0.16394	1.81E-12	No	Cops7a	15.9701	46.4773	1.54115291	15.9711	46.4783	1.54109362	0.00022079	No
Rn5-8s	0.49895	0.19086	-0.30809	0.00055683	No	Cops7b	12.9133	5.71549	-1.1759086	12.9143	5.71649	-1.175768	0.00257873	No
Rn7sl1	0.37286	0.12862	-0.24424	9.90E-12	No	Coq10b	12.0679	23.7916	0.97927765	12.0689	23.7926	0.97921874	0.0123897	No
Rnase17	0.65165	0.20275	-0.4489	0.00074247	No	Coq3	6.40047	20.4052	1.6726871	6.40147	20.4062	1.67253241	0.00645389	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rnaset2	0.31143	0.034972	-0.276458	5.73E-06	No	Coq7	7.69577	53.7709	2.80468803	7.69677	53.7719	2.80452741	0.00022079	No
Rnf113a2	0.31871	0.099633	-0.219077	2.85E-05	No	Coq9	20.624	76.3039	1.88743263	20.625	76.3049	1.88738158	0.00022079	No
Rnf126	0.28813	0.17232	-0.11581	0.02257431	No	Coro1a	1187.96	182.836	-2.6998642	1187.961	182.837	-2.6998575	0.00022079	No
Rnf151	0.74184	0.57955	-0.16229	0.01078302	No	Coro2a	5.12294	0.67716	-2.9194033	5.12394	0.67816	-2.917556	0.00022079	No
Rnf186	0.92452	0.26976	-0.65476	1.83E-10	No	Coro2b	4.55861	0.67378	-2.7582445	4.55961	0.67478	-2.7564213	0.00041963	No
Rnf225	0.75789	0.43886	-0.31903	0.00244273	No	Cotl1	450.687	154.815	-1.5415806	450.688	154.816	-1.5415745	0.00022079	No
Rnf26	0.73543	0.57078	-0.16465	0.00320916	No	Cox15	11.3812	18.6028	0.70886711	11.3822	18.6038	0.7088179	0.0406701	No
Rnf8	0.85348	0.51157	-0.34191	6.39E-07	No	Cox17	148.137	587.439	1.98750702	148.138	587.44	1.98749974	0.00022079	No
Robo2	0.28799	0.067773	-0.220217	5.45E-07	No	Cox18	26.6415	13.3932	-0.9921746	26.6425	13.3942	-0.992121	0.0270805	No
Robo4	0.75107	0.64808	-0.10299	0.01078302	No	Cox19	18.6096	53.5342	1.5244138	18.6106	53.5352	1.52436322	0.00078858	No
Rogdi	0.64043	0.21471	-0.42572	3.67E-05	No	Cox4i1	738.002	1797.52	1.28431119	738.003	1797.521	1.28431004	0.0110257	No
Rom1	0.20469	0.033375	-0.171315	1.31E-06	No	Cox5a	236.533	941.215	1.99248284	236.534	941.216	1.99247827	0.00022079	No
Ropn1	0.76666	0.2431	-0.52356	2.74E-06	No	Cox5b	258.917	1041.94	2.0087106	258.918	1041.941	2.00870642	0.00022079	No
Rpl38	0.21377	0.093143	-0.120627	0.00681832	No	Cox6a1	380.305	1151.24	1.59795981	380.306	1151.241	1.59795727	0.00022079	No
Rplp0	0.7525	0.46854	-0.28396	6.39E-08	No	COX6A2	0	2.21991	inf	0.001	2.22091	11.1169352	0.00022079	No
Rprm	0.082095	0.014605	-0.06749	0.00197715	No	Cox6c	517.77	1974.03	1.93076063	517.771	1974.031	1.93075858	0.00022079	No
Rps4y2	0.89547	0.35233	-0.54314	1.74E-09	No	Cox7a2	142.057	556.065	1.96878361	142.058	556.066	1.96877605	0.00022079	No
Rsph6a	0.91015	0.64614	-0.26401	3.93E-09	No	Cox7a2l	400.934	140.981	-1.507864	400.935	140.982	-1.5078574	0.00022079	No
Rspo2	0.10399	0.022807	-0.081183	1.46E-05	No	Cox7a2l2	17.8824	85.4002	2.25569907	17.8834	85.4012	2.25563529	0.00041963	No
RT1-Db2	0.16663	0.35733	0.1907	0.00393505	No	Cox7b	346.044	1730.21	2.32191976	346.045	1730.211	2.32191642	0.00022079	No
RT1-M5	0.10206	0.03714	-0.06492	0.0014834	No	Cox7c	291.387	1167.78	2.00276009	291.388	1167.781	2.00275637	0.00022079	No
RT1-T18	0.45238	0.13999	-0.31239	1.77E-05	No	Cox8a	251.009	1665.17	2.72985847	251.01	1665.171	2.72985359	0.00022079	No
Rtkn	0.5109	0.12943	-0.38147	2.40E-06	No	Cp	0.319051	11.2416	5.13891652	0.320051	11.2426	5.13453009	0.00060553	No
Ruvbl2	0.7789	0.42939	-0.34951	0.0007955	No	Cpe	0.800929	4.4014	2.45821623	0.801929	4.4024	2.45674382	0.00227055	No
Rxfp3	0.53065	0.35325	-0.1774	0.00380411	No	Cpeb3	0.702052	7.17147	3.35261907	0.703052	7.17247	3.35076672	0.00022079	No
S100a3	0.78321	0.66713	-0.11608	0.04531279	No	Cplx2	0	3.69296	inf	0.001	3.69396	11.8509525	0.00605729	No
S1pr2	0.14518	0.06334	-0.08184	0.00595469	No	Cpm	0.332567	7.35537	4.46708099	0.333567	7.35637	4.46294557	0.00022079	No
S1pr4	0.17907	0.38063	0.20156	1.51E-06	No	Cpne3	8.09285	19.7918	1.29018307	8.09385	19.7928	1.2900777	0.00022079	No
Sall3	0.82268	0.60788	-0.2148	0.00104938	No	Cpne8	0.188692	4.36426	4.53163189	0.189692	4.36526	4.52433684	0.00257873	No
Samd14	0.31364	0.099586	-0.214054	0.00019244	No	Cpped1	0.63954	25.5382	5.31947844	0.64054	25.5392	5.31728086	0.00022079	No
Scarf2	0.25753	0.075629	-0.181901	3.31E-06	No	Cpsf4	27.8043	15.3738	-0.8548342	27.8053	15.3748	-0.8547923	0.0245052	No
Scn2b	0.1844	0.096567	-0.087833	0.0153478	No	Cpsf6	32.9798	8.69984	-1.9225219	32.9808	8.70084	-1.9223998	0.00022079	No
Scn4a	0.57298	0.11916	-0.45382	1.44E-06	No	Cpsf7	56.1286	22.8294	-1.2978431	56.1296	22.8304	-1.2978056	0.00870822	No
Scn8a	0.97808	0.82984	-0.14824	2.57E-05	No	Cpt2	1.84441	20.6987	3.48830886	1.84541	20.6997	3.48759657	0.00022079	No
Scrt1	0.15961	0.043132	-0.116478	2.29E-05	No	Cr1l	72.551	42.1717	-0.7827203	72.552	42.1727	-0.782706	0.0417961	No
Scube3	0.80377	0.53083	-0.27294	6.75E-05	No	Crabp1	0	4.31046	inf	0.001	4.31146	12.0739608	0.00022079	No
Scx	0.64504	0.11895	-0.52609	1.81E-12	No	Cradd	10.6881	3.51855	-1.6029525	10.6891	3.51955	-1.6026775	0.0191747	No
Sdccag3	0.21372	0.071063	-0.142657	1.81E-12	No	Cramp1l	11.9627	3.67142	-1.704133	11.9637	3.67242	-1.7038607	0.00022079	No
Sdr42e1	0.40639	0.19973	-0.20666	0.00066856	No	Crat	2.281	50.7927	4.47688281	2.282	50.7937	4.47627887	0.00022079	No
Sds	0.69615	0.5571	-0.13905	0.01000157	No	Creb1	14.1242	4.55818	-1.6316394	14.1252	4.55918	-1.631425	0.00022079	No
Sec1	0.92466	0.86141	-0.06325	0.00244273	No	Creb3l1	0.110725	5.19762	5.55279826	0.111725	5.19862	5.54010475	0.00211842	No
Selv	0.096367	0.037126	-0.059241	0.00334577	No	Creb3l2	1.2999	26.0409	4.32430676	1.3009	26.0419	4.32325274	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sema6d	0.10162	0.024331	-0.077289	0.0017676	No	Crebbp	77.7094	14.128	-2.4595319	77.7104	14.129	-2.4594483	0.010144	No
Senp3	0.74983	0.5113	-0.23853	0.0074695	No	Crebrf	38.3328	6.68166	-2.5203009	38.3338	6.68266	-2.5201226	0.00022079	No
Serpinf2	0.9505	0.20911	-0.74139	3.82E-07	No	CREBZF	47.9259	10.6267	-2.1731119	47.9269	10.6277	-2.1730062	0.00022079	No
Sez6l	0.22727	0.06453	-0.16274	4.32E-06	No	Creg1	1.84622	16.7279	3.17960996	1.84722	16.7289	3.17891498	0.00022079	No
Sfmbt1	0.21854	0.11102	-0.10752	0.03425917	No	Creld1	3.60126	12.5075	1.79621979	3.60226	12.5085	1.79593457	0.00060553	No
Sftpa1	0.9692	0.43693	-0.53227	3.82E-07	No	Creld2	10.5629	23.9394	1.18038102	10.5639	23.9404	1.18030471	0.00685176	No
Sgcd	0.7878	0.55115	-0.23665	0.0074695	No	Crim1	0.718806	36.5051	5.66635177	0.719806	36.5061	5.66438561	0.00022079	No
Sgk2	0.5406	0.065858	-0.474742	1.81E-12	No	Cript	69.8276	38.0764	-0.8749003	69.8286	38.0774	-0.8748831	0.00805135	No
Shank3	0.41295	0.17208	-0.24087	0.00393505	No	Crispld2	0.353186	4.90422	3.79552364	0.354186	4.90522	3.79173875	0.00022079	No
Shc4	0.61907	0.18208	-0.43699	1.03E-05	No	Crk	13.5156	28.4863	1.07564269	13.5166	28.4873	1.07558659	0.00096553	No
Shcbp1l	0.40086	0.16188	-0.23898	0.00148947	No	Crlf3	186.995	7.81093	-4.5813616	186.996	7.81193	-4.5811846	0.00022079	No
Shisa3	0.090717	0.032432	-0.058285	0.02965439	No	Crmp1	5.94747	0.531758	-3.4834344	5.94847	0.532758	-3.4809664	0.00022079	No
Shisa6	0.047107	0.013208	-0.033899	7.02E-06	No	Crocc	3.16888	23.4303	2.88633049	3.16988	23.4313	2.88593687	0.00022079	No
Shisa7	0.50098	0.12499	-0.37599	5.84E-09	No	Crot	10.937	23.6996	1.11564565	10.938	23.7006	1.11557462	0.0183813	No
Sigirr	0.55577	0.13384	-0.42193	2.40E-06	No	Crtam	10.5782	0.400078	-4.724669	10.5792	0.401078	-4.7212039	0.00593001	No
Sirt4	0.79319	0.15576	-0.63743	3.82E-07	No	CRTAP	10.3026	78.65	2.9324383	10.3036	78.651	2.93231662	0.00022079	No
Six2	0.020301	0.098738	0.078437	6.26E-05	No	Crtc2	52.1491	22.5342	-1.2105261	52.1501	22.5352	-1.2104898	0.00242102	No
Six3	0.068257	0.014101	-0.054156	2.95E-06	No	Cryab	0.0250018	1312.6	15.6800358	0.0260018	1312.601	15.6234574	0.00180113	No
Six6	0.18686	0.054296	-0.132564	6.38E-06	No	Cryba4	1.64278	10.6716	2.6995653	1.64378	10.6726	2.69882255	0.00536605	No
Slamf8	0.61708	0.32734	-0.28974	0.0021362	No	Cryga	0	18.1328	inf	0.001	18.1338	14.1463937	0.00022079	No
Slc10a4	0.1713	0.054581	-0.116719	1.13E-05	No	Cryl1	5.38611	111.456	4.37108678	5.38711	111.457	4.37083189	0.00022079	No
Slc13a3	0.87286	0.23749	-0.63537	3.82E-07	No	Cryz	0.615008	126.447	7.68371192	0.616008	126.448	7.68137942	0.00022079	No
Slc13a5	0.30439	0.10015	-0.20424	5.40E-06	No	Cryzl1	5.96519	14.1011	1.24116771	5.96619	14.1021	1.24102819	0.00551024	No
Slc15a1	0.15384	0.077182	-0.076658	1.00E-05	No	Csdc2	1.73314	5.66778	1.70939556	1.73414	5.66878	1.70881791	0.00273202	No
Slc16a3	0.066942	0.007876	-0.059066	0.00019244	No	Cse1l	24.7209	12.5299	-0.9803564	24.7219	12.5309	-0.9802996	0.00407863	No
Slc17a6	0.094465	0.02443	-0.070035	5.89E-07	No	Csf1	0.362981	5.95138	4.0352583	0.363981	5.95238	4.03153158	0.00765035	No
Slc17a9	0.038166	0.36082	0.322654	3.82E-07	No	Csf1r	3.03356	18.2358	2.58768974	3.03456	18.2368	2.58729335	0.00022079	No
Slc18a3	0.11957	0.064025	-0.055545	0.00104938	No	Csf2rb	0.284535	17.279	5.92426979	0.285535	17.28	5.91929181	0.00022079	No
Slc19a3	0.12374	0.030962	-0.092778	4.74E-05	No	Csgalnact1	0.121946	3.70665	4.92580155	0.122946	3.70765	4.91440836	0.00242102	No
Slc1a6	0.088393	0.020621	-0.067772	1.61E-05	No	Csgalnact2	9.55874	3.59628	-1.4103151	9.55974	3.59728	-1.4100649	0.00645389	No
Slc22a17	0.68682	0.3209	-0.36592	0.00011578	No	Csk	172.663	40.5719	-2.0894062	172.664	40.5729	-2.089379	0.00022079	No
Slc22a4	0.21737	0.036735	-0.180635	0.00023579	No	Csnk1a1	100.226	49.0207	-1.0317938	100.227	49.0217	-1.0317788	0.00508519	No
Slc25a21	0.2147	0.09039	-0.12431	1.81E-12	No	Csnk1e	28.8701	14.0782	-1.0361132	28.8711	14.0792	-1.0360607	0.00318754	No
Slc25a34	0.69596	0.154	-0.54196	1.81E-12	No	Csnk1g1	7.78241	1.26791	-2.6177646	7.78341	1.26891	-2.6168126	0.00022079	No
Slc26a10	0.087004	0.030622	-0.056382	0.01000157	No	Csnk1g3	45.8618	17.9503	-1.353285	45.8628	17.9513	-1.3532361	0.00060553	No
Slc26a4	0.074327	0.017257	-0.05707	0.0250308	No	Csnk2a1	42.9036	22.784	-0.9130777	42.9046	22.785	-0.913048	0.0158283	No
Slc27a3	0.71085	0.43566	-0.27519	0.0021362	No	Csrnp3	0	1.05506	inf	0.001	1.05606	10.0444761	0.00022079	No
Slc30a3	0.11446	0.21873	0.10427	0.00034271	No	Csrp1	31.5794	107.837	1.7717966	31.5804	107.838	1.7717643	0.00022079	No
Slc32a1	0.15477	0.060389	-0.094381	0.0048196	No	Csrp2	0.42443	127.015	8.22525653	0.42543	127.016	8.22187276	0.0117698	No
Slc44a4	0.67354	0.15286	-0.52068	0.00066856	No	Csrp3	0	2.19019	inf	0.001	2.19119	11.0974989	0.00022079	No
Slc45a1	0.20934	0.12204	-0.0873	0.04985963	No	Cst3	66.3542	489.236	2.88227088	66.3552	489.237	2.88225208	0.00022079	No
Slc46a2	0.090888	0.023785	-0.067103	0.00148947	No	Cstb	72.9166	206.505	1.50185752	72.9176	206.506	1.50184472	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc47a2	0.01041	0.060958	0.050548	3.93E-05	No	Ctage5	56.9099	24.191	-1.2342092	56.9109	24.192	-1.234175	0.00041963	No
Slc4a10	0.66563	0.077543	-0.588087	0.00014343	No	Ctbp2	0.569753	35.1635	5.94759825	0.570753	35.1645	5.94510936	0.00022079	No
Slc4a2	0.22987	0.028434	-0.201436	0.00026127	No	Ctbs	4.53064	21.4454	2.24288146	4.53164	21.4464	2.24263034	0.00041963	No
Slc5a4	0.44663	0.19163	-0.255	0.01406934	No	Ctc1	9.76311	28.7626	1.5587814	9.76411	28.7636	1.5586838	0.0136242	No
Slc5a5	0.21777	0.11947	-0.0983	0.02616573	No	Ctcf	55.6434	18.3862	-1.5975872	55.6444	18.3872	-1.5975347	0.00060553	No
Slc6a2	0.12537	0.047053	-0.078317	0.00014343	No	Ctdnep1	76.4516	45.0176	-0.7640575	76.4526	45.0186	-0.7640444	0.0233831	No
Slc6a3	0.22484	0.091528	-0.133312	0.00030384	No	Ctdp1	31.738	10.8813	-1.5443603	31.739	10.8823	-1.5442732	0.00022079	No
Slc6a7	0.2978	0.067609	-0.230191	0.00123983	No	Ctdsp2	69.3482	34.8452	-0.9928985	69.3492	34.8462	-0.9928779	0.00227055	No
Slc7a10	0.07465	0.16815	0.0935	9.44E-05	No	Ctdspl	0.105999	30.3123	8.15970886	0.106999	30.3133	8.14620979	0.00022079	No
Slc7a14	0.25206	0.064153	-0.187907	1.22E-05	No	Ctdspl2	15.5614	5.0468	-1.624531	15.5624	5.0478	-1.6243379	0.00022079	No
Slc7a15	0.84853	0.2088	-0.63973	5.45E-07	No	Ctf1	0.659699	15.3034	4.53590049	0.660699	15.3044	4.53380951	0.00022079	No
Slc9a3r1	0.25485	0.061978	-0.192872	0.0007955	No	Cth	0.65694	63.1956	6.58791869	0.65794	63.1966	6.58574711	0.00022079	No
Slit1	0.10243	0.031518	-0.070912	2.12E-06	No	Ctla2a	62.8997	27.57	-1.1899539	62.9007	27.571	-1.1899245	0.00096553	No
Slit3	0.073497	0.022323	-0.051174	0.02965439	No	Ctla4	28.7648	4.27694	-2.7496536	28.7658	4.27794	-2.7493664	0.00022079	No
Smad3	0.65534	0.17559	-0.47975	5.45E-07	No	Ctnna1	3.15751	105.489	5.06216145	3.15851	105.49	5.06171829	0.00022079	No
Smpd3	0.085086	0.028619	-0.056467	0.00276056	No	Ctnnal1	3.38601	23.5029	2.79518064	3.38701	23.5039	2.79481601	0.0330481	No
Smpdl3b	0.017232	0.074221	0.056989	0.03531391	No	Ctnnbip1	0.0834683	9.26495	6.79441099	0.0844683	9.26595	6.77738507	0.00060553	No
Smtnl2	0.32453	0.070054	-0.254476	7.99E-06	No	Ctnnb1	45.2378	21.5398	-1.0705239	45.2388	21.5408	-1.0704888	0.0019604	No
Smug1	0.91602	0.55531	-0.36071	1.65E-09	No	Ctnnd1	15.1285	38.9179	1.36316491	15.1295	38.9189	1.36310662	0.00022079	No
Snai1	0.60112	0.33429	-0.26683	3.42E-07	No	Ctr9	31.1659	13.9298	-1.1617938	31.1669	13.9308	-1.1617366	0.00060553	No
Snap25	0.086675	0.016795	-0.06988	0.00290027	No	Ctrc	1.28583	7.12543	2.47027716	1.28683	7.12643	2.46935806	0.012146	No
Sncb	0.078867	0.025904	-0.052963	0.00466526	No	Ctsb	68.6694	404.491	2.55836834	68.6704	404.492	2.5583509	0.00022079	No
Snrpn	0.42839	0.20971	-0.21868	0.00017491	No	Ctsd	31.2729	188.354	2.59046176	31.2739	188.355	2.59042328	0.00022079	No
Sntg2	0.068195	0.0078125	-0.0603825	0.00018672	No	Ctse	168.446	14.1105	-3.5774452	168.447	14.1115	-3.5773515	0.00022079	No
Snx19	0.085372	0.010598	-0.074774	0.00049864	No	Ctsh	3.83314	306.942	6.32329557	3.83414	306.943	6.32292394	0.00022079	No
Snx22	0.22657	0.095412	-0.131158	0.00197715	No	Ctsl1	21.5314	935.523	5.44125909	21.5324	935.524	5.44119363	0.00022079	No
Sorcs1	0.13104	0.026714	-0.104326	8.49E-05	No	Ctss	92.1665	34.7912	-1.40552	92.1675	34.7922	-1.4054942	0.00096553	No
Sorcs2	0.14426	0.040952	-0.103308	0.00934082	No	Ctsw	248.013	87.5966	-1.501469	248.014	87.5976	-1.5014583	0.00096553	No
Sorcs3	0.094824	0.030088	-0.064736	0.0001571	No	Ctsz	9.22307	44.8466	2.28167966	9.22407	44.8476	2.28155542	0.0319323	No
Sox10	0.80624	0.65846	-0.14778	9.44E-05	No	Cttnbp2	0.241578	1.18053	2.28887372	0.242578	1.18153	2.28413564	0.00536605	No
Sox14	0.21852	0.079008	-0.139512	0.00026127	No	Ctxn1	0.159216	2.3945	3.91066721	0.160216	2.3955	3.90223668	0.0142227	No
Sox15	0.76434	0.18909	-0.57525	3.82E-07	No	Cul1	43.4915	27.6154	-0.6552604	43.4925	27.6164	-0.6552414	0.0453842	No
Sox18	0.4087	0.086228	-0.322472	9.69E-09	No	Cul3	73.2869	34.8807	-1.0711263	73.2879	34.8817	-1.0711047	0.0019604	No
Sox2	0.017124	0.072386	0.055262	0.00135614	No	Cul4b	23.5233	9.35345	-1.33052	23.5243	9.35445	-1.3304271	0.00022079	No
Sox7	0.12936	0.039011	-0.090349	0.00038311	No	Cul5	21.6135	9.94867	-1.1193571	21.6145	9.94967	-1.1192789	0.00348745	No
Spag4	0.4561	0.11162	-0.34448	0.00038311	No	Cul7	2.24515	4.70863	1.06849553	2.24615	4.70963	1.06815945	0.0133754	No
Spag6l	0.094636	0.022278	-0.072358	0.00042212	No	Cuta	79.7491	132.432	0.73171162	79.7501	132.433	0.73170443	0.0447184	No
Spag8	0.72624	0.32731	-0.39893	0.00034271	No	Cux1	26.657	48.9203	0.87591882	26.658	48.9213	0.87589419	0.0454908	No
Spata1	0.18508	0.023748	-0.161332	3.82E-07	No	Cwc22	32.3156	10.7901	-1.5825225	32.3166	10.7911	-1.5824335	0.00041963	No
Spata18	0.07013	0.016206	-0.053924	0.00148947	No	Cxcl10	0.90923	14.209	3.96601593	0.91023	14.21	3.96453161	0.00022079	No
Spata2	0.18025	0.05653	-0.12372	0.00393505	No	Cxcl13	0	3.05604	inf	0.001	3.05704	11.5779197	0.00022079	No
Spata3	0.2927	0.17095	-0.12175	0.02257431	No	Cxcl16	0.575459	111.51	7.59824424	0.576459	111.511	7.59575231	0.00147497	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Spata32	0.20805	0.077789	-0.130261	3.69E-06	No	Cxcl2	0.207223	4.92237	4.57009706	0.208223	4.92337	4.56344482	0.00858283	No
Speg	0.25899	0.18663	-0.07236	0.0250308	No	Cxcr4	497.653	40.1599	-3.6313126	497.654	40.1609	-3.6312795	0.00022079	No
Spg7	0.55767	0.31673	-0.24094	0.01000157	No	Cxhc1	39.003	22.5597	-0.7898372	39.004	22.5607	-0.7898103	0.0159346	No
Spock3	0.095088	0.020221	-0.074867	2.22E-07	No	Cyb5a	43.2366	285.923	2.72530169	43.2376	285.924	2.72527337	0.00022079	No
Spred3	0.52356	0.10742	-0.41614	2.14E-06	No	Cyb5b	24.7734	120.314	2.27994074	24.7744	120.315	2.2798945	0.00022079	No
Sprn	0.36359	0.060304	-0.303286	1.15E-06	No	Cyb5r1	5.69873	34.8589	2.6128147	5.69973	34.8599	2.61260295	0.00022079	No
Spry2	0.85679	0.33201	-0.52478	1.22E-10	No	Cyb5r2	0	1.31184	inf	0.001	1.31284	10.3584754	0.00022079	No
Spryd3	0.32082	0.10938	-0.21144	4.83E-07	No	Cyb5r3	15.0972	62.1911	2.04242713	15.0982	62.1921	2.04235477	0.00022079	No
Sptb	0.22565	0.035618	-0.190032	0.0007955	No	Cyba	99.8116	237.608	1.25130401	99.8126	237.609	1.25129563	0.0488116	No
Srd5a2	0.30264	0.14782	-0.15482	0.02616573	No	Cybrd1	3.33211	0.719596	-2.211177	3.33311	0.720596	-2.2096064	0.00022079	No
Srek1ip1	0.54692	0.27658	-0.27034	4.83E-07	No	CYC1	60.5774	256.333	2.08116766	60.5784	256.334	2.08114947	0.00022079	No
Srsf9	0.0034944	0.088363	0.0848686	1.86E-06	No	Cyca	41.4834	474.382	3.51544322	41.4844	474.383	3.51541149	0.00022079	No
Ssr3	0.89079	0.71563	-0.17516	0.00135614	No	Cyp11a1	0.095166	2.83939	4.89899098	0.096166	2.84039	4.88441831	0.0153152	No
Sstr1	0.15155	0.031784	-0.119766	1.74E-09	No	Cyp20a1	6.85862	15.6257	1.18793059	6.85962	15.6267	1.18781258	0.00698733	No
Sstr5	0.1085	0.014212	-0.094288	6.03E-09	No	Cyp2c11	0	1.66854	inf	0.001	1.66954	10.7052349	0.00022079	No
St8sia3	0.15107	0.04418	-0.10689	1.82E-05	No	Cyp2c24	0	4.57817	inf	0.001	4.57917	12.1608704	0.00022079	No
St8sia5	0.21633	0.060684	-0.155646	0.00088439	No	Cyp2d2	2.34019	29.7645	3.66889509	2.34119	29.7655	3.6683272	0.00022079	No
Steap4	0.1028	0.022568	-0.080232	1.51E-09	No	Cyp2d4	0.210001	1.39972	2.73667016	0.211001	1.40072	2.73084685	0.0333701	No
Stx11	0.037228	0.088702	0.051474	0.0017676	No	Cyp2j4	0	1.778	inf	0.001	1.779	10.7968508	0.00022079	No
Stx5	0.10223	0.017981	-0.084249	0.00010392	No	Cyp2r1	0.557903	1.99133	1.83564611	0.558903	1.99233	1.8337868	0.0288046	No
Stxbp5l	0.11998	0.016331	-0.103649	0.00017491	No	Cyp39a1	0	2.03001	inf	0.001	2.03101	10.9879816	0.00618779	No
Surf6	0.30274	0.027417	-0.275323	1.22E-10	No	Cyp4a1	0	5.20861	inf	0.001	5.20961	12.3469597	0.0133754	No
Sv2c	0.088345	0.022907	-0.065438	0.00866691	No	Cyp4a2	0.0295192	484.012	14.0011016	0.0305192	484.013	13.953041	0.00022079	No
Syce2	0.41329	0.16897	-0.24432	2.41E-09	No	Cyp4f1	0	21.883	inf	0.001	21.884	14.4175888	0.00022079	No
Sycp1	0.96961	0.87697	-0.09264	2.31E-06	No	Cyp4f17	18.6561	3.41569	-2.4493985	18.6571	3.41669	-2.4490535	0.00022079	No
Syn2	0.10822	0.032142	-0.076078	0.00074247	No	Cyp4f6	6.25062	23.2613	1.89586052	6.25162	23.2623	1.89569175	0.00022079	No
Sync	0.24303	0.12197	-0.12106	0.00595469	No	Cystm1	0.436629	152.846	8.45145513	0.437629	152.847	8.44816418	0.00022079	No
Syngap1	0.77462	0.31421	-0.46041	1.67E-06	No	Cyth1	51.8535	12.5428	-2.0475819	51.8545	12.5438	-2.0474947	0.00022079	No
Syt1	0.11582	0.033406	-0.082414	1.47E-06	No	Cyth4	31.7803	12.7031	-1.3229521	31.7813	12.7041	-1.322884	0.00022079	No
Syt10	0.14756	0.05663	-0.09093	0.00595469	No	Cytip	443.389	21.4583	-4.3689653	443.39	21.4593	-4.3689013	0.00022079	No
Syt6	0.11085	0.040027	-0.070823	0.00438283	No	Cyt11	0	2.31999	inf	0.001	2.32099	11.1805246	0.00022079	No
Sytl3	0.83286	0.29754	-0.53532	1.81E-12	No	D2hgdh	3.10721	19.9438	2.68224867	3.10821	19.9448	2.68185677	0.00022079	No
T	0.17354	0.034252	-0.139288	0.0002817	No	D5Erd579e	18.5902	39.13	1.07373282	18.5912	39.131	1.07369208	0.00536605	No
Tac1	0.23974	0.11507	-0.12467	0.01000157	No	D630039A03Rik	0	11.8942	inf	0.001	11.8952	13.5380919	0.00022079	No
Tac3	0.75189	0.53252	-0.21937	0.00161991	No	D930015E06Rik	70.3027	17.5207	-2.0045197	70.3037	17.5217	-2.0044579	0.00022079	No
Tacr3	0.24378	0.12633	-0.11745	0.00088439	No	Daam1	3.53319	8.59312	1.28221071	3.53419	8.59412	1.28197032	0.00818469	No
Tada2b	0.081352	0.017119	-0.064233	8.11E-07	No	Dab2	0.294383	150.541	8.99824638	0.295383	150.542	8.99336353	0.00022079	No
Tagln2	0.075818	0.017049	-0.058769	0.02144384	No	Dad1	114.286	230.287	1.01078429	114.287	230.288	1.01077793	0.00096553	No
Tal1	0.20274	0.042068	-0.160672	5.49E-05	No	Dag1	11.1537	87.424	2.97050702	11.1547	87.425	2.97039418	0.00022079	No
Tapbp	0.75236	0.16641	-0.58595	1.81E-12	No	DAGLB	0.818275	9.19327	3.48992043	0.819275	9.19427	3.48831534	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tbccd1	0.86567	0.63586	-0.22981	0.00042212	No	Dak	3.04422	51.0215	4.06696079	3.04522	51.0225	4.06651523	0.00022079	No
Tbrg1	0.25636	0.12137	-0.13499	1.68E-07	No	Dap	22.3248	123.525	2.4680839	22.3258	123.526	2.46803096	0.00022079	No
Tbx18	0.15228	0.077354	-0.074926	0.00030384	No	Dapk3	51.7	110.679	1.09814533	51.701	110.68	1.09813046	0.00523184	No
Tbx4	0.21138	0.34891	0.13753	0.02616573	No	Dapl1	0	57.6551	inf	0.001	57.6561	15.8151856	0.00022079	No
Tbx5	0.29412	0.11598	-0.17814	1.15E-05	No	Dars2	8.13043	18.8102	1.21011163	8.13143	18.8112	1.21001089	0.0182773	No
Tbx6	0.24417	0.066196	-0.177974	8.06E-09	No	Dazap2	348.152	195.355	-0.8336191	348.153	195.356	-0.8336159	0.0447184	No
Tcerg1l	0.076972	0.0097801	-0.0671919	0.00135614	No	Dbf4	2.70905	0.183282	-3.88565	2.71005	0.184282	-3.8783324	0.029572	No
Tcf19	0.72115	0.44075	-0.2804	0.00244273	No	Dbi	56.4322	886.357	3.97329739	56.4332	886.358	3.97327346	0.00022079	No
Tchp	0.19757	0.3252	0.12763	0.00276056	No	Dbn1	0.359224	16.0342	5.48012482	0.360224	16.0352	5.47620423	0.00022079	No
Tdrd6	0.54614	0.34721	-0.19893	0.00290027	No	Dbn2	2.19952	45.3258	4.36507186	2.20052	45.3268	4.36444792	0.00022079	No
Teddm1	0.88684	0.78998	-0.09686	0.01197107	No	Dbt	8.83367	22.7025	1.36176633	8.83467	22.7035	1.36166657	0.00022079	No
Tekt4	0.52881	0.088676	-0.440134	2.83E-08	No	Dcaf15	36.9561	11.9967	-1.6231749	36.9571	11.9977	-1.6230937	0.00022079	No
Tescl	0.62549	0.36083	-0.26466	1.35E-06	No	Dcaf17	7.49043	3.58468	-1.0632042	7.49143	3.58568	-1.0629944	0.00211842	No
Tfam	0.010262	0.25047	0.240208	1.28E-05	No	Dcaf5	15.8556	7.20189	-1.138545	15.8566	7.20289	-1.1384357	0.00436941	No
Tfap2c	0.069691	0.015856	-0.053835	9.70E-05	No	Dcdc2	0	5.94519	inf	0.001	5.94619	12.5377498	0.00022079	No
Tfap2e	0.093269	0.010276	-0.082993	0.00012978	No	Dck	21.1845	2.27275	-3.2204982	21.1855	2.27375	-3.2199316	0.00022079	No
Tgfa	0.35013	0.11388	-0.23625	5.49E-05	No	Dclk1	0.0738711	3.6198	5.61475612	0.0748711	3.6208	5.59575573	0.0117698	No
Tgfb1i1	0.26265	0.15529	-0.10736	0.00051947	No	Dclk2	0.208192	1.85849	3.15814439	0.209192	1.85949	3.1520074	0.0444112	No
Tgfb3	0.60994	0.25057	-0.35937	0.00334577	No	Dclk3	0	29.1526	inf	0.001	29.1536	14.8313864	0.00022079	No
Tgif2	0.48778	0.27222	-0.21556	0.00799193	No	Dclre1c	18.4835	4.67334	-1.9837121	18.4845	4.67434	-1.9834814	0.00022079	No
Thbs2	0.23788	0.12786	-0.11002	0.04769919	No	Dcn	0	10.6341	inf	0.001	10.6351	13.376546	0.00022079	No
Thegl	0.85003	0.26141	-0.58862	1.55E-10	No	Dcps	41.0383	15.5237	-1.4024985	41.0393	15.5247	-1.4024407	0.00113657	No
Thpo	0.49007	0.20607	-0.284	0.00049864	No	Dcstamp	0	1.55206	inf	0.001	1.55306	10.6008979	0.00422081	No
Thyn1	0.077822	0.016513	-0.061309	0.00799193	No	Dctd	15.1153	7.70855	-0.9714782	15.1163	7.70955	-0.9713865	0.0183813	No
Tifab	0.77919	0.6573	-0.12189	0.02027674	No	Dctn3	34.1766	69.7291	1.02875198	34.1776	69.7301	1.02873046	0.0196176	No
Tjap1	0.64657	0.26385	-0.38272	0.00244273	No	Dctpp1	3.78957	14.4262	1.92858527	3.79057	14.4272	1.92830462	0.0228245	No
Tlr6	0.69652	0.54686	-0.14966	0.03756776	No	Dcun1d4	3.45852	9.79601	1.50203945	3.45952	9.79701	1.50176963	0.00022079	No
Tlx1	0.26292	0.066375	-0.196545	3.93E-05	No	Dcun1d5	65.0834	38.8068	-0.7459801	65.0844	38.8078	-0.7459651	0.0334772	No
Tm6sf2	0.74727	0.074234	-0.673036	3.93E-08	No	Ddah1	0.295889	98.6372	8.38093197	0.296889	98.6382	8.37607902	0.00022079	No
Tm9sf1	0.19249	0.021637	-0.170853	0.0074695	No	Ddb2	17.922	3.27707	-2.4512532	17.923	3.27807	-2.4508936	0.00884258	No
Tmcc2	0.58611	0.28064	-0.30547	0.00113933	No	Ddc	0.138366	26.3255	7.57182764	0.139366	26.3265	7.56149328	0.00113657	No
Tmem104	0.099926	0.041248	-0.058678	0.02257431	No	Ddhd1	17.4604	5.58628	-1.6441268	17.4614	5.58728	-1.6439512	0.00060553	No
Tmem114	0.18329	0.051447	-0.131843	0.0250308	No	Ddhd2	22.2711	8.98434	-1.3096884	22.2721	8.98534	-1.3095926	0.00022079	No
Tmem119	0.72679	0.48933	-0.23746	0.0022928	No	Ddrnk1	32.4632	61.0571	0.91135385	32.4642	61.0581	0.91133304	0.00593001	No
Tmem132d	0.18804	0.047837	-0.140203	1.02E-06	No	Ddt	66.6343	514.119	2.94776543	66.6353	514.12	2.94774658	0.00022079	No
Tmem151b	0.65044	0.18802	-0.46242	1.93E-12	No	Ddx10	11.924	5.58586	-1.094017	11.925	5.58686	-1.0938797	0.00227055	No
Tmem178a	0.37345	0.068451	-0.304999	1.03E-05	No	Ddx11	8.0746	2.35931	-1.7750258	8.0756	2.36031	-1.7745931	0.0105196	No
Tmem229a	0.22443	0.083234	-0.141196	0.00197715	No	Ddx17	196.355	81.3234	-1.2717219	196.356	81.3244	-1.2717115	0.0135008	No
Tmem88	0.85389	0.24252	-0.61137	4.78E-08	No	Ddx18	21.4168	10.4332	-1.0375612	21.4178	10.4342	-1.0374903	0.00508519	No
Tmod1	0.11769	0.034166	-0.083524	0.0190918	No	Ddx19a	28.0701	53.0157	0.91738546	28.0711	53.0167	0.91736127	0.00685176	No
Tmprss3	0.84479	0.69064	-0.15415	0.00010392	No	Ddx20	34.6625	5.96532	-2.5387043	34.6635	5.96632	-2.5385041	0.00022079	No
Tmsb4x	0.0014287	0.12361	0.1221813	7.02E-06	No	Ddx26b	59.7566	9.17878	-2.7027237	59.7576	9.17978	-2.7025907	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tnfaip8	0.22678	0.049578	-0.177202	8.55E-08	No	Ddx27	37.2848	13.8802	-1.4255592	37.2858	13.8812	-1.425494	0.00022079	No
Tnfrsf18	0.0034483	0.11514	0.1116917	8.49E-05	No	DDX39A	86.3786	34.6046	-1.3197101	86.3796	34.6056	-1.3196851	0.00022079	No
Tnfrsf25	2.50E-07	0.27983	0.27982975	3.82E-07	No	Ddx42	45.7198	14.8896	-1.6185141	45.7208	14.8906	-1.6184488	0.00022079	No
Tnk2	0.7965	0.23113	-0.56537	4.32E-06	No	Ddx5	1223.6	211.84	-2.5300851	1223.601	211.841	-2.5300794	0.00022079	No
Tnnc2	0.1194	0.034998	-0.084402	4.78E-08	No	Ddx51	13.836	6.42546	-1.1065553	13.837	6.42646	-1.106435	0.0159346	No
Tnxa-ps1	0.76917	0.43387	-0.3353	1.03E-05	No	Deb1	39.2269	95.3168	1.28088719	39.2279	95.3178	1.28086555	0.00579147	No
Tppp3	0.2822	0.065362	-0.216838	1.86E-06	No	Decr1	26.145	93.3899	1.83673146	26.146	93.3909	1.83669173	0.00022079	No
Tradd	0.70343	0.11595	-0.58748	7.96E-09	No	Decr2	1.50324	114.098	6.24605433	1.50424	114.099	6.24510757	0.00022079	No
Tram11	0.081332	0.024194	-0.057138	0.01783979	No	Dedd2	33.6613	11.9792	-1.4905593	33.6623	11.9802	-1.4904818	0.00273202	No
Trank1	0.18483	0.065563	-0.119267	0.00244273	No	Def6	54.3502	7.274	-2.9014645	54.3512	7.275	-2.9012927	0.00022079	No
Trhr2	0.9397	0.72902	-0.21068	7.99E-06	No	Def8	2.36114	14.2955	2.59800559	2.36214	14.2965	2.59749562	0.00022079	No
Trim15	0.19566	0.039152	-0.156508	7.99E-06	No	Defb1	0	549.905	inf	0.001	549.906	19.0688255	0.00022079	No
Trim26	0.98024	0.92619	-0.05405	0.00393505	No	Defb28	0	10.6149	inf	0.001	10.6159	13.3739391	0.00022079	No
Trim50	0.66974	0.49571	-0.17403	0.04531279	No	Defb29	0	7.15315	inf	0.001	7.15415	12.8045647	0.00022079	No
Trim6	0.84412	0.23008	-0.61404	2.92E-08	No	Degs2	0.146619	70.7903	8.91533581	0.147619	70.7913	8.90554984	0.00378481	No
Trim71	0.064634	0.0043417	-0.0602923	0.00693052	No	Dennd1a	4.35608	10.9743	1.33302657	4.35708	10.9753	1.33282687	0.00022079	No
Trip6	0.68904	0.097871	-0.591169	1.81E-12	No	Dennd1c	398.936	66.7728	-2.5788249	398.937	66.7738	-2.5788069	0.00407863	No
Triqk	0.093752	0.022898	-0.070854	0.02257431	No	Dennd2d	117.698	18.5713	-2.6639431	117.699	18.5723	-2.6638777	0.00041963	No
Trmt2a	0.25921	0.15496	-0.10425	0.03756776	No	Dennd3	18.8423	7.43729	-1.3411261	18.8433	7.43829	-1.3410087	0.00022079	No
Trmt61a	0.81739	0.48319	-0.3342	6.75E-05	No	Dennd4b	57.5789	12.8085	-2.1684387	57.5799	12.8095	-2.1683511	0.00022079	No
Trpv4	0.066259	0.0084652	-0.0577938	0.00066856	No	Dennd5b	0.227021	2.32616	3.35705267	0.228021	2.32716	3.3513318	0.00147497	No
Tsks	0.84797	0.7333	-0.11467	0.00334577	No	Dennd6a	40.9817	17.1619	-1.2557705	40.9827	17.1629	-1.2557217	0.00113657	No
Tssk3	0.70058	0.13793	-0.56265	1.81E-12	No	DEPP	0	10.1047	inf	0.001	10.1057	13.3028816	0.012511	No
Tst	0.68685	0.11772	-0.56913	1.81E-12	No	Deptor	0.194156	16.0178	6.36631591	0.195156	16.0188	6.35899445	0.00022079	No
Ttc30b	0.25353	0.1477	-0.10583	0.00049864	No	Dera	34.7518	55.2905	0.66994391	34.7528	55.2915	0.66992849	0.0489163	No
Tubb2b	0.045498	0.18321	0.137712	0.00276056	No	Desi1	6.49523	13.4505	1.05020729	6.49623	13.4515	1.05009244	0.020304	No
Tubg2	0.10127	0.020513	-0.080757	1.81E-12	No	Dexi	22.8122	52.9207	1.21402656	22.8132	52.9217	1.21399058	0.00022079	No
Tug1	0.23819	0.10077	-0.13742	0.00026127	No	Dfna5	0.326498	3.2487	3.31471647	0.327498	3.2497	3.31074854	0.00333723	No
Ubb	0.1024	0.038972	-0.063428	0.02257431	No	Dfnb31	2.11528	8.00225	1.91955706	2.11628	8.00325	1.91905546	0.00022079	No
Ube2ql1	0.14361	0.069017	-0.074593	0.04868237	No	Dgat1	2.08232	13.95	2.74400143	2.08332	13.951	2.74341218	0.00022079	No
Ubfd1	0.20174	0.05696	-0.14478	2.29E-09	No	Dgat2	0.335977	13.4389	5.32190877	0.336977	13.4399	5.31772847	0.00022079	No
Ublcp1	0.097031	0.023773	-0.073258	6.75E-05	No	Dgcr6	4.68628	58.0741	3.63137983	4.68728	58.0751	3.63109685	0.00022079	No
Ubxn10	0.0096219	0.51383	0.5042081	9.25E-12	No	Dgcr8	11.6313	6.18547	-0.9110572	11.6323	6.18647	-0.910948	0.0105196	No
Ucn	0.2322	0.037389	-0.194811	1.28E-05	No	Dgka	451.333	31.6945	-3.8318879	451.334	31.6955	-3.8318455	0.00022079	No
Uhmk1	0.55535	0.27027	-0.28508	1.15E-05	No	Dgkd	24.3497	8.46309	-1.5246476	24.3507	8.46409	-1.5245364	0.00180113	No
Unc5c	0.070928	0.0053223	-0.0656057	9.31E-06	No	Dgkg	0.801422	3.58258	2.1603649	0.802422	3.58358	2.1589685	0.0346416	No
Unc5d	0.12398	0.016349	-0.107631	0.00197715	No	Dgkz	182.178	32.3608	-2.4930296	182.179	32.3618	-2.4929929	0.00022079	No
Uncx	0.10308	0.022634	-0.080446	0.00244273	No	Dhcr7	3.35822	7.35516	1.13105998	3.35922	7.35616	1.13082658	0.0142227	No
Ushbp1	0.83693	0.44673	-0.3902	0.00046099	No	Dhdds	4.70018	35.1596	2.90313074	4.70118	35.1606	2.90286486	0.00022079	No
Usp46	0.72574	0.34771	-0.37803	9.31E-06	No	Dhfr	3.83031	27.5889	2.84855487	3.83131	27.5899	2.84823056	0.00022079	No
Utf1	0.10027	0.024189	-0.076081	0.00026127	No	Dhrs3	1.16446	68.3259	5.87469957	1.16546	68.3269	5.87348228	0.00022079	No
Vasn	0.75783	0.13805	-0.61978	2.15E-10	No	Dhrs4	11.8957	72.818	2.61385495	11.8967	72.819	2.61375349	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Vax1	0.19753	0.082742	-0.114788	0.00553374	No	Dhtkd1	0.0313072	7.55371	7.9145471	0.0323072	7.55471	7.86937685	0.00909283	No
Vgf	0.14127	0.087869	-0.053401	0.01155321	No	Dhx15	95.0475	44.4089	-1.0977998	95.0485	44.4099	-1.0977825	0.0111498	No
Vldlr	0.053735	0.36576	0.312025	6.10E-06	No	Dhx29	12.3672	6.52419	-0.9226482	12.3682	6.52519	-0.9225437	0.0256186	No
Vom1r70	0.74025	0.53499	-0.20526	0.00568595	No	Dhx35	16.027	7.32775	-1.1290622	16.028	7.32875	-1.1289554	0.0323868	No
Vpreb1	0.96666	0.79881	-0.16785	0.0007955	No	Dhx36	26.8056	7.3764	-1.8615456	26.8066	7.3774	-1.8614039	0.00022079	No
Vpreb2	0.88689	0.65595	-0.23094	0.00049864	No	Dhx37	8.78728	3.86275	-1.1857884	8.78828	3.86375	-1.1855791	0.00407863	No
Vsx2	0.18092	0.081217	-0.099703	0.01013329	No	Dhx38	17.607	8.17714	-1.1064809	17.608	8.17814	-1.1063864	0.00288641	No
Vwc2	0.099333	0.025635	-0.073698	0.00320916	No	Dhx8	14.2368	6.28544	-1.1795393	14.2378	6.28644	-1.1794111	0.00113657	No
Vwc2l	0.19039	0.054116	-0.136274	1.15E-05	No	Dicer1	15.6452	8.07739	-0.953759	15.6462	8.07839	-0.9536726	0.0172336	No
Vwce	0.15974	0.037512	-0.122228	6.77E-07	No	Dido1	16.3956	5.71779	-1.5197792	16.3966	5.71879	-1.5196149	0.00022079	No
Wars	0.53631	0.27074	-0.26557	2.91E-06	No	Diexf	14.4711	5.9434	-1.2838142	14.4721	5.9444	-1.2836712	0.00227055	No
Wbscr17	0.2491	0.088995	-0.160105	0.00046099	No	Dip2a	1.44347	4.97606	1.78546276	1.44447	4.97706	1.78475354	0.00022079	No
Wfdc11	0.35404	0.15318	-0.20086	0.0022928	No	Dip2b	19.5474	3.60797	-2.4377175	19.5484	3.60897	-2.4373915	0.00022079	No
Wfdc15b	0.81821	0.73565	-0.08256	0.00595469	No	Dip2c	0.763069	2.31793	1.60295158	0.764069	2.31893	1.60168444	0.0143389	No
Wfdc6a	0.8546	0.6483	-0.2063	0.0006129	No	Dis3	10.1564	4.16173	-1.2871338	10.1574	4.16273	-1.2869293	0.00333723	No
Wnk2	0.20591	0.073691	-0.132219	1.71E-05	No	Dis3l	6.69659	51.2826	2.93697086	6.69759	51.2836	2.93678357	0.00022079	No
Wnt1	0.15658	0.039911	-0.116669	0.00042212	No	Dixdc1	0.149397	2.37572	3.99114173	0.150397	2.37672	3.98212426	0.00658515	No
Wnt10a	0.46968	0.17148	-0.2982	0.00113933	No	Dkk2	0	2.77304	inf	0.001	2.77404	11.4377729	0.00022079	No
Wnt10b	0.094069	0.023575	-0.070494	3.93E-05	No	Dlat	7.27409	33.329	2.19593935	7.27509	33.33	2.19578432	0.00845215	No
Wnt7a	0.074881	0.018173	-0.056708	0.0017676	No	Dlc1	0.119853	1.01429	3.08113227	0.120853	1.01529	3.07056668	0.0437345	No
Wnt8a	0.48686	0.19362	-0.29324	0.00074247	No	Dld	38.8746	88.9413	1.19402566	38.8756	88.9423	1.19400477	0.00041963	No
Wnt9a	0.055104	0.0022921	-0.0528119	0.0007955	No	Dleu7	0	3.16806	inf	0.001	3.16906	11.6298393	0.00022079	No
Wnt9b	0.055509	0.004959	-0.05055	4.74E-05	No	Dlg4	8.10924	2.58503	-1.6493857	8.11024	2.58603	-1.6490056	0.00147497	No
Xkr4	0.089225	0	-0.089225	0.00012978	No	Dlst	27.6208	71.9159	1.38055567	27.6218	71.9169	1.3805235	0.00022079	No
Xkr6	0.15796	0.036502	-0.121458	1.20E-07	No	DMD	0.0924619	3.22234	5.12310591	0.0934619	3.22334	5.1080342	0.00041963	No
Yap1	0.1289	0.031882	-0.097018	0.00021466	No	Dmpk	0.179305	26.9653	7.23254456	0.180305	26.9663	7.22457437	0.00022079	No
Ydjc	0.060468	0.15316	0.092692	5.89E-07	No	Dmrtc1b	0	1.69359	inf	0.001	1.69459	10.7267205	0.00022079	No
Zar1	0.089948	0.031949	-0.057999	0.00595469	No	Dmrtc1c1	0	3.81531	inf	0.001	3.81631	11.8979627	0.00022079	No
Zbed5	0.72219	0.38334	-0.33885	0.00049864	No	Dmtf1	37.641	10.9111	-1.7865084	37.642	10.9121	-1.7864145	0.00022079	No
Zbtb24	0.77366	0.14341	-0.63025	1.86E-06	No	Dmtn	0.0812173	79.1432	9.92846262	0.0822173	79.1442	9.91082592	0.00022079	No
Zbtb39	0.95351	0.8487	-0.10481	0.0002817	No	Dmwd	0.307115	5.73164	4.22209712	0.308115	5.73264	4.21765886	0.00060553	No
Zc2hc1c	0.12028	0.030609	-0.089671	0.00044355	No	Dmxl1	7.90792	3.20861	-1.3013498	7.90892	3.20961	-1.3010827	0.00113657	No
Zcrb1	0.10598	0.039301	-0.066679	0.01155321	No	DNAH17	4.90202	0.303283	-4.0146398	4.90302	0.304283	-4.010185	0.00536605	No
Zdhhc19	0.57249	0.17859	-0.3939	2.74E-06	No	Dnaja4	17.1131	34.7204	1.02068244	17.1141	34.7214	1.02063969	0.00922576	No
Zdhhc22	0.071998	0.013255	-0.058743	3.39E-05	No	Dnajib1	23.8408	48.7023	1.03055726	23.8418	48.7033	1.03052637	0.00164037	No
Zdhhc7	0.1869	0.083561	-0.103339	0.02616573	No	Dnajib2	25.9564	62.7884	1.27440775	25.9574	62.7894	1.27437514	0.011893	No
Zfand2b	0.85433	0.35625	-0.49808	1.46E-05	No	Dnajib4	34.153	16.5238	-1.0474668	34.154	16.5248	-1.0474217	0.00645389	No
Zfp219	0.86299	0.38746	-0.47553	1.05E-10	No	Dnajib6	94.4992	37.0657	-1.3502174	94.5002	37.0667	-1.3501937	0.0281894	No
Zfp37	0.34556	0.087795	-0.257765	0.00038311	No	Dnajc10	9.9741	19.2233	0.94659745	9.9751	19.2243	0.94652786	0.00523184	No
Zfp385d	0.060129	0.0061855	-0.0539435	0.00320916	No	Dnajc12	1.9162	12.5483	2.71117187	1.9172	12.5493	2.71053414	0.00078858	No
Zfp414	0.61996	0.14847	-0.47149	1.02E-06	No	Dnajc15	13.5884	66.4296	2.28945063	13.5894	66.4306	2.28936619	0.00022079	No
Zfp57	0.18244	0.067654	-0.114786	0.01406934	No	Dnajc22	0.0390992	21.9683	9.13406843	0.0400992	21.9693	9.09769973	0.0469889	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Zfp622	0.23136	0.11709	-0.11427	3.38E-06	No	Dnajc25	0.708546	4.89237	2.78760009	0.709546	4.89337	2.78586025	0.00164037	No
Zfp710	0.88349	0.75505	-0.12844	0.02027674	No	Dnajc28	0.328759	3.91306	3.57319494	0.329759	3.91406	3.56918193	0.00791314	No
Zfp772	0.8407	0.69458	-0.14612	0.0021362	No	Dnajc4	5.58837	26.4925	2.24508454	5.58937	26.4935	2.24488086	0.00022079	No
Zfp93	0.15051	0.064291	-0.086219	0.00044355	No	Dnajc5	42.1617	19.9071	-1.08265	42.1627	19.9081	-1.0826117	0.00242102	No
Zfpm2	0.057089	0.0062034	-0.0508856	0.0021362	No	Dnajc7	130.932	48.379	-1.4363649	130.933	48.38	-1.4363461	0.00022079	No
Zic1	0.11316	0.037688	-0.075472	0.04318305	No	DNAJC9	68.3752	26.4291	-1.3713459	68.3762	26.4301	-1.3713124	0.0207777	No
Zic3	0.11159	0.018671	-0.092919	0.0022928	No	Dnal4	1.23096	11.6453	3.24189202	1.23196	11.6463	3.24084437	0.00022079	No
Zic4	0.17046	0.054223	-0.116237	0.00636684	No	Dnase1	0.199005	153.653	9.59265554	0.200005	153.654	9.58543354	0.00022079	No
Zic5	0.12257	0.048353	-0.074217	0.00636684	No	Dnase111	39.7528	12.7864	-1.6364463	39.7538	12.7874	-1.6363698	0.00096553	No
Zkscan5	0.4318	0.1193	-0.3125	4.83E-07	No	DNLZ	25.7831	108.998	2.07980402	25.7841	108.999	2.07976131	0.00022079	No
Zmym6nb	0.0029277	0.059598	0.0566703	0.00034271	No	Dnm1	0.895396	28.7225	5.00351164	0.896396	28.7235	5.00195153	0.00022079	No
Znrf4	0.55791	0.31381	-0.2441	1.91E-07	No	Dnmbp	0.991885	15.3487	3.95179979	0.992885	15.3497	3.95044002	0.00022079	No
Zranb2	0.38805	0.14101	-0.24704	7.99E-06	No	Dnmt1	23.523	6.43114	-1.8709257	23.524	6.43214	-1.8707627	0.00022079	No
Zrsr1	0.37139	0.1822	-0.18919	3.34E-06	No	Dnmt3b	9.86623	1.38446	-2.8331755	9.86723	1.38546	-2.8322801	0.00022079	No
						Dnph1	0.39827	9.62649	4.59519114	0.39927	9.62749	4.59172314	0.0268504	No
						Doc2g	23.3434	57.1775	1.29243283	23.3444	57.1785	1.29239626	0.00698733	No
						Dock11	45.9824	6.91431	-2.7334246	45.9834	6.91531	-2.7332473	0.00242102	No
						Dock2	93.2621	5.4842	-4.0879378	93.2631	5.4852	-4.0876903	0.00022079	No
						Dock5	0.206497	1.45045	2.81230784	0.207497	1.45145	2.80633249	0.0401695	No
						Dock7	1.25473	8.97628	2.83874073	1.25573	8.97728	2.8377521	0.00211842	No
						Dohh	15.3829	28.4759	0.88841393	15.3839	28.4769	0.88837081	0.0156977	No
						Donson	14.1037	2.62497	-2.4257009	14.1047	2.62597	-2.4252536	0.0258481	No
						Dopey1	24.115	9.20828	-1.3889272	24.116	9.20928	-1.3888304	0.00605729	No
						Dpcd	6.71178	43.3961	2.69279806	6.71278	43.3971	2.69261637	0.00022079	No
						Dpep2	0.546129	2.0889	1.93542976	0.547129	2.0899	1.93348098	0.0434203	No
						Dpf2	52.2792	29.2299	-0.8387922	52.2802	29.2309	-0.8387704	0.0127657	No
						Dph2	6.55948	2.71927	-1.270362	6.56048	2.72027	-1.2700515	0.0115315	No
						Dph5	14.1536	4.98115	-1.5066183	14.1546	4.98215	-1.5064306	0.0019604	No
						Dpm2	15.0254	30.2842	1.0111619	15.0264	30.2852	1.01111353	0.0252737	No
						Dpp7	42.3691	84.7153	0.99961007	42.3701	84.7163	0.99959305	0.00870822	No
						Dpp9	38.4469	21.1727	-0.860662	38.4479	21.1737	-0.8606314	0.0171138	No
						Dpyd	0	2.85787	inf	0.001	2.85887	11.4812293	0.00022079	No
						Dpysl3	0	1.85674	inf	0.001	1.85774	10.8593329	0.00022079	No
						Dr1	21.803	12.7278	-0.7765436	21.804	12.7288	-0.7764964	0.0211214	No
						Dram1	1.76893	10.9163	2.62553508	1.76993	10.9173	2.62485189	0.00022079	No
						Dsc2	0.151704	0.99287	2.71034571	0.152704	0.99387	2.7023193	0.0282852	No
						Dse	11.6109	3.16647	-1.8745325	11.6119	3.16747	-1.8742012	0.00022079	No
						Dsg2	0	2.25185	inf	0.001	2.25285	11.1375355	0.00022079	No
						Dsn1	9.44163	1.51017	-2.644325	9.44263	1.51117	-2.6435228	0.00022079	No
						Dstn	96.2644	246.443	1.35617973	96.2654	246.444	1.3561706	0.00022079	No
						Dtna	0	3.06623	inf	0.001	3.06723	11.5827206	0.00022079	No
						Dtnbp1	3.80313	14.4376	1.92457178	3.80413	14.4386	1.92429241	0.00378481	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dtx3	18.2778	43.4518	1.24932351	18.2788	43.4528	1.24927778	0.00113657	No
						Dtx4	0.210241	2.28272	3.44063796	0.211241	2.28372	3.434424	0.0278747	No
						Dusp1	25.1704	162.536	2.69095925	25.1714	162.537	2.69091081	0.00022079	No
						Dusp10	10.2484	1.09696	-3.2238159	10.2494	1.09796	-3.2226421	0.00022079	No
						Dusp2	35.2358	16.793	-1.069182	35.2368	16.794	-1.069137	0.0102697	No
						Dusp22	8.24355	21.9242	1.41118654	8.24455	21.9252	1.41107735	0.00685176	No
						Dusp6	6.47475	24.1196	1.89730959	6.47575	24.1206	1.8971466	0.00022079	No
						Dusp9	0	3.47414	inf	0.001	3.47514	11.7628554	0.00022079	No
						Dut	27.9672	70.2832	1.32944406	27.9682	70.2842	1.329413	0.00060553	No
						Dvl1	26.7023	46.161	0.78971046	26.7033	46.162	0.78968769	0.0322751	No
						Dync1li2	12.1878	20.4629	0.74757289	12.1888	20.4639	0.74752502	0.0498147	No
						Dync2li1	0.22052	17.0897	6.27607375	0.22152	17.0907	6.26963072	0.00022079	No
						Dynll2	25.5726	110.718	2.11421903	25.5736	110.719	2.11417565	0.00022079	No
						Dynlrb1	141.919	262.789	0.88883714	141.92	262.79	0.88883246	0.00685176	No
						Dynlt1	20.8342	66.4441	1.6731874	20.8352	66.4451	1.67313986	0.0406701	No
						DYRK1A	41.4988	11.6779	-1.8292888	41.4998	11.6789	-1.8292	0.00022079	No
						Dysf	0	7.90171	inf	0.001	7.90271	12.9481318	0.00022079	No
						Dzip1l	0	9.12928	inf	0.001	9.13028	13.1564434	0.00022079	No
						Dzip3	6.67823	2.22539	-1.5854076	6.67923	2.22639	-1.5849755	0.00041963	No
						E2f2	13.5695	2.63214	-2.3660594	13.5705	2.63314	-2.3656177	0.00022079	No
						Eaf1	5.39138	16.3377	1.59947839	5.39238	16.3387	1.59929913	0.00060553	No
						Ebf4	0	2.15495	inf	0.001	2.15595	11.074108	0.00022079	No
						Ece1	9.53581	22.0014	1.20616793	9.53681	22.0024	1.20608222	0.00147497	No
						Ech1	81.2465	185.778	1.1932021	81.2475	185.779	1.19319211	0.00022079	No
						Eci2	13.7596	51.0613	1.89179174	13.7606	51.0623	1.89171515	0.00022079	No
						Eci3	5.31156	205.662	5.2749958	5.31256	205.663	5.27473123	0.00022079	No
						Ecm1	2.33659	11.4193	2.2889977	2.33759	11.4203	2.28850673	0.00022079	No
						Ecscr	0	5.5474	inf	0.001	5.5484	12.4378561	0.00605729	No
						Ecsit	10.9075	49.1564	2.17205879	10.9085	49.1574	2.17195588	0.00022079	No
						Ect2	0.170431	1.36907	3.00593653	0.171431	1.37007	2.99854968	0.0457858	No
						Edem1	52.8561	14.5928	-1.8568133	52.8571	14.5938	-1.8567417	0.00022079	No
						Edem2	17.6114	9.34502	-0.9142399	17.6124	9.34602	-0.9141675	0.0213411	No
						Edn1	0	1.81467	inf	0.001	1.81567	10.8262863	0.00022079	No
						Ednra	0	1.99831	inf	0.001	1.99931	10.9652865	0.00022079	No
						Eed	26.9338	13.064	-1.0438211	26.9348	13.065	-1.0437642	0.00451708	No
						Eef1a1	9598.61	2272.65	-2.07845	9598.611	2272.651	-2.0784495	0.00858283	No
						Eef1b2	1135.32	393.438	-1.5288908	1135.321	393.439	-1.5288884	0.00022079	No
						Efcab4a	0.244135	8.42975	5.1097388	0.245135	8.43075	5.10401259	0.00672121	No
						Efcab4b	15.2216	0.510592	-4.8978053	15.2226	0.511592	-4.8950773	0.00022079	No
						Efcab7	1.60079	4.65963	1.54143134	1.60179	4.66063	1.54083997	0.0123897	No
						Efemp1	0	42.2296	inf	0.001	42.2306	15.3660011	0.00022079	No
						EFEMP2	1.62518	7.24798	2.15697946	1.62618	7.24898	2.15629105	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Efhc2	0.0723897	3.50304	5.59667921	0.0733897	3.50404	5.57729783	0.00658515	No
						Efhd1	0.0725864	305.402	12.0387226	0.0735864	305.403	12.0189875	0.0257334	No
						Efhd2	62.5824	29.3209	-1.0938276	62.5834	29.3219	-1.0938014	0.00022079	No
						Efna4	0.457427	6.83436	3.90119281	0.458427	6.83536	3.8982534	0.00211842	No
						Efnb1	0.492037	16.8273	5.09589309	0.493037	16.8283	5.09304971	0.00022079	No
						Efnb2	0.478054	7.17256	3.90724264	0.479054	7.17356	3.90442906	0.00022079	No
						Efr3b	0	1.05289	inf	0.001	1.05389	10.0415086	0.00685176	No
						Eftud1	18.8326	8.66511	-1.1199422	18.8336	8.66611	-1.1198523	0.0366551	No
						Egf	0.0950657	51.8905	9.09232982	0.0960657	51.8915	9.07726111	0.00041963	No
						Egfr	0	2.27134	inf	0.001	2.27234	11.149963	0.00022079	No
						Egln3	1.93889	7.54267	1.95984435	1.93989	7.54367	1.95929172	0.00060553	No
						Egr2	0.060817	1.16427	4.2588072	0.061817	1.16527	4.23651682	0.0111498	No
						Ehd1	8.63083	35.7874	2.05188052	8.63183	35.7884	2.05175369	0.00022079	No
						Ehd4	4.34666	15.559	1.83977018	4.34766	15.56	1.83953103	0.00022079	No
						Ehf	0	26.803	inf	0.001	26.804	14.7101607	0.00022079	No
						Ehhadh	1.91899	12.2127	2.66996309	1.91999	12.2137	2.66932961	0.00022079	No
						Ehmt1	13.4525	5.44333	-1.3053129	13.4535	5.44433	-1.3051551	0.00147497	No
						Eid2b	7.93241	2.88252	-1.4604286	7.93341	2.88352	-1.4601101	0.0406701	No
						Eif1b	48.4132	109.037	1.17134541	48.4142	109.038	1.17132884	0.00078858	No
						Eif2ak3	19.9642	7.0534	-1.5010245	19.9652	7.0544	-1.5008922	0.00022079	No
						Eif2s3	110.037	29.6848	-1.8901924	110.038	29.6858	-1.8901569	0.00022079	No
						Eif3a	62.7787	35.3481	-0.8286425	62.7797	35.3491	-0.8286247	0.0114056	No
						Eif3e	357.924	91.815	-1.9628515	357.925	91.816	-1.9628398	0.00022079	No
						EIF3F	301.353	161.073	-0.9037397	301.354	161.074	-0.9037356	0.0153152	No
						Eif3h	199.347	93.1535	-1.0976	199.348	93.1545	-1.0975918	0.00022079	No
						Eif3m	258.177	137.502	-0.9089079	258.178	137.503	-0.908903	0.00333723	No
						Eif4b	177.511	72.6131	-1.2896067	177.512	72.6141	-1.2895949	0.00096553	No
						Eif4e3	8.49104	4.71105	-0.8498926	8.49204	4.71205	-0.8497563	0.0487223	No
						Eif4enif1	21.5191	9.36778	-1.1998386	21.5201	9.36878	-1.1997517	0.00333723	No
						Eif5	137.566	50.3866	-1.4490119	137.567	50.3876	-1.4489938	0.00022079	No
						Eif6	95.2255	154.754	0.70055684	95.2265	154.755	0.70055101	0.0414004	No
						Elac1	0.654171	2.96009	2.17790133	0.655171	2.96109	2.17618494	0.00698733	No
						Elavl1	42.4614	19.7966	-1.1008993	42.4624	19.7976	-1.1008604	0.0100165	No
						Elf1	77.8707	13.7828	-2.4982116	77.8717	13.7838	-2.4981254	0.00022079	No
						Elf2	49.1108	13.1348	-1.9026461	49.1118	13.1358	-1.9025656	0.00022079	No
						Elf4	36.2712	2.66145	-3.7685401	36.2722	2.66245	-3.7680379	0.00022079	No
						Elk1	27.005	54.8818	1.02310125	27.006	54.8828	1.02307412	0.0174725	No
						Elk3	30.6015	11.7163	-1.3850853	30.6025	11.7173	-1.3850093	0.00041963	No
						Elk4	45.5941	5.31411	-3.1009472	45.5951	5.31511	-3.1007073	0.00113657	No
						ElI3	1.87829	10.0592	2.42102384	1.87929	10.0602	2.42039937	0.00041963	No
						Elmo1	21.7939	2.8433	-2.9382862	21.7949	2.8443	-2.937845	0.00022079	No
						Elmsan1	21.5817	6.17507	-1.8052811	21.5827	6.17607	-1.8051143	0.00211842	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Elof1	25.2938	107.422	2.08643379	25.2948	107.423	2.08639018	0.00022079	No
						Elov5	151.838	20.3092	-2.9023276	151.839	20.3102	-2.902266	0.00022079	No
						Elov7	0.0689702	70.9243	10.0060911	0.0699702	70.9253	9.98534402	0.00579147	No
						Elp6	13.8339	28.0154	1.01801216	13.8349	28.0164	1.01795937	0.0194084	No
						Emc2	27.2181	55.9122	1.03859675	27.2191	55.9132	1.03856955	0.00896558	No
						Emcn	0	38.35	inf	0.001	38.351	15.2269766	0.00022079	No
						Emilin1	0.357169	7.1723	4.32775706	0.358169	7.1733	4.32392459	0.00022079	No
						Eml4	41.8208	8.62897	-2.2769604	41.8218	8.62997	-2.2768277	0.00022079	No
						Emp1	3.11965	11.1824	1.84177377	3.12065	11.1834	1.8414404	0.00022079	No
						Emp2	0	5.58245	inf	0.001	5.58345	12.4469411	0.00022079	No
						Emp3	206.773	61.5794	-1.7475281	206.774	61.5804	-1.7475116	0.00096553	No
						Emr1	0.140134	1.8669	3.73576571	0.141134	1.8679	3.72627973	0.00180113	No
						Emx1	0	11.6598	inf	0.001	11.6608	13.5093791	0.00022079	No
						En2	0	1.4011	inf	0.001	1.4021	10.4533735	0.00022079	No
						Enah	0.0695457	8.10444	6.86460738	0.0705457	8.10544	6.84418855	0.00164037	No
						Enc1	0.0617869	4.50654	6.18857539	0.0627869	4.50754	6.1657329	0.00378481	No
						Endod1	1.23403	21.0805	4.09445971	1.23503	21.0815	4.09335953	0.00022079	No
						Enkd1	0.352069	12.9577	5.20180765	0.353069	12.9587	5.19782703	0.00147497	No
						Eno1	227.097	832.27	1.87374299	227.098	832.271	1.87373837	0.00022079	No
						Enox1	0	6.52777	inf	0.001	6.52877	12.6725955	0.00022079	No
						Enpp2	4.13422	1.31321	-1.6545175	4.13522	1.31421	-1.6537683	0.00988585	No
						Enpp5	1.03099	25.0161	4.60075465	1.03199	25.0171	4.59941366	0.00022079	No
						Enpp6	0	17.8253	inf	0.001	17.8263	14.1217197	0.00022079	No
						Entpd2	4.95457	109.996	4.4725474	4.95557	109.997	4.47226936	0.00022079	No
						Eny2	20.8415	35.5094	0.76874187	20.8425	35.5104	0.76871328	0.0319323	No
						Eomes	6.22093	1.45089	-2.1001921	6.22193	1.45189	-2.09943	0.00211842	No
						EP300	11.994	3.01721	-1.9910259	11.995	3.01821	-1.9906681	0.00022079	No
						Ep400	23.7376	8.00974	-1.5673468	23.7386	8.01074	-1.5672274	0.00022079	No
						Epas1	0.48332	29.0456	5.90919713	0.48432	29.0466	5.90626491	0.00022079	No
						Epb4.1	107.885	17.9745	-2.5854707	107.886	17.9755	-2.5854039	0.00022079	No
						Epb4.1l5	2.10993	16.7305	2.98721352	2.11093	16.7315	2.98661615	0.00022079	No
						Epb4l1l	0.016254	48.8774	11.554157	0.017254	48.8784	11.4680505	0.00022079	No
						Epb4l12	28.1157	8.13061	-1.7899405	28.1167	8.13161	-1.7898143	0.00022079	No
						Epb4l13	0	31.6648	inf	0.001	31.6658	14.9506379	0.00022079	No
						Epb4l14a	0.0241879	16.3012	9.39647694	0.0251879	16.3022	9.33812011	0.00579147	No
						EPC1	71.9206	17.7442	-2.0190575	71.9216	17.7452	-2.0189963	0.00022079	No
						Epc2	32.4802	9.49026	-1.775041	32.4812	9.49126	-1.7749334	0.00304332	No
						Epg5	15.4114	3.22511	-2.2565777	15.4124	3.22611	-2.256224	0.00022079	No
						Epha1	0.204325	12.2036	5.90029725	0.205325	12.2046	5.8933719	0.00022079	No
						Ephb6	18.9359	2.97808	-2.6686696	18.9369	2.97908	-2.6682614	0.00022079	No
						Ephx1	4.80913	41.8029	3.1197552	4.81013	41.8039	3.11948975	0.00022079	No
						Epn3	0	35.3102	inf	0.001	35.3112	15.1078382	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eps15	34.5005	12.7839	-1.4322892	34.5015	12.7849	-1.4322182	0.00022079	No
						Eps15l1	44.3898	20.8472	-1.0903746	44.3908	20.8482	-1.0903379	0.0282852	No
						Eps8	0.214362	19.3139	6.49344652	0.215362	19.3149	6.48680669	0.00022079	No
						Eps8l1	0.0440839	18.0552	8.67794682	0.0450839	18.0562	8.64566627	0.00752743	No
						Eps8l2	0.159513	154.383	9.91862418	0.160513	154.384	9.90961738	0.00363736	No
						Ept1	10.5524	3.81784	-1.4667426	10.5534	3.81884	-1.4665015	0.00436941	No
						Erbp2ip	69.9521	34.2905	-1.0285584	69.9531	34.2915	-1.028537	0.00884258	No
						Erbp3	0.262637	5.47213	4.38096042	0.263637	5.47313	4.37574136	0.00022079	No
						Erbp4	0	4.37802	inf	0.001	4.37902	12.0963923	0.00022079	No
						Ercc2	15.5341	7.30841	-1.0878092	15.5351	7.30941	-1.0877047	0.00909283	No
						Ercc6	11.2929	4.36171	-1.3724503	11.2939	4.36271	-1.3722473	0.00180113	No
						Erg	0	2.51259	inf	0.001	2.51359	11.2955336	0.00022079	No
						Eri1	17.2007	9.8039	-0.8110396	17.2017	9.8049	-0.8109763	0.0198519	No
						Eri2	2.54092	25.4679	3.32525715	2.54192	25.4689	3.32474612	0.0248413	No
						Erich1	4.02774	10.5535	1.38967908	4.02874	10.5545	1.38945763	0.020304	No
						Erich2	0	5.75645	inf	0.001	5.75745	12.4912143	0.00022079	No
						Erlec1	21.5512	38.737	0.84594403	21.5522	38.738	0.84591433	0.0123897	No
						Erlin2	4.35772	14.2912	1.71348166	4.35872	14.2922	1.71325157	0.00022079	No
						Erp29	22.5893	89.8056	1.99116584	22.5903	89.8066	1.99111804	0.00022079	No
						ERRF1	1.78494	51.3241	4.84568894	1.78594	51.3251	4.84490902	0.00022079	No
						Esam	0.0529888	73.0559	10.4290976	0.0539888	73.0569	10.4021447	0.0262873	No
						Esco1	26.3518	12.9103	-1.029379	26.3528	12.9113	-1.029322	0.0316175	No
						Esd	22.5392	211.87	3.23267111	22.5402	211.871	3.23261391	0.00022079	No
						Esrp1	0	5.98389	inf	0.001	5.98489	12.547109	0.00022079	No
						Esrrb	0	3.09188	inf	0.001	3.09288	11.5947351	0.00791314	No
						Esyt2	94.0447	16.4183	-2.5180419	94.0457	16.4193	-2.5179694	0.00022079	No
						Etfa	34.4324	164.538	2.25658216	34.4334	164.539	2.25654903	0.00022079	No
						Etfb	27.1328	444.261	4.03329766	27.1338	444.262	4.03324773	0.00022079	No
						Etdh	10.0156	39.1073	1.96518908	10.0166	39.1083	1.96508194	0.00022079	No
						Etnk2	0	3.29869	inf	0.001	3.29969	11.6881148	0.00022079	No
						Etnppl	0	6.11769	inf	0.001	6.11869	12.5790071	0.00022079	No
						Ets1	622.394	23.5956	-4.7212384	622.395	23.5966	-4.7211796	0.00022079	No
						Ets2	4.55098	20.6598	2.18257714	4.55198	20.6608	2.18232999	0.00022079	No
						Etv5	0.543903	3.10068	2.51116335	0.544903	3.10168	2.50897851	0.0019604	No
						Eva1a	0	20.5951	inf	0.001	20.5961	14.3300836	0.00022079	No
						Evi2a	42.7227	3.88312	-3.4597146	42.7237	3.88412	-3.4593769	0.0304578	No
						Evi2b	32.8642	2.01569	-4.0271712	32.8652	2.01669	-4.0264995	0.00273202	No
						Evi5	6.23735	48.2811	2.95245342	6.23835	48.2821	2.95225202	0.0144657	No
						Evl	582.742	60.7716	-3.2613881	582.743	60.7726	-3.2613668	0.00022079	No
						Exoc3l2	0.107694	2.69708	4.64638854	0.108694	2.69808	4.63358892	0.0326064	No
						Exoc6	6.12306	24.9793	2.02840832	6.12406	24.9803	2.02823048	0.00022079	No
						Exosc2	17.3633	9.42634	-0.8812715	17.3643	9.42734	-0.8812016	0.0384399	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Exosc9	27.0759	11.5714	-1.2264459	27.0769	11.5724	-1.2263745	0.00164037	No
						Exph5	0.0797365	2.9748	5.22140859	0.0807365	2.9758	5.20391271	0.00022079	No
						Eya1	0	0.908959	inf	0.001	0.909959	9.82965773	0.00022079	No
						Eya3	13.6945	6.76697	-1.0170147	13.6955	6.76797	-1.0169069	0.00698733	No
						F11r	0.770727	69.5329	6.49533202	0.771727	69.5339	6.49348212	0.00022079	No
						F2	0.0702677	2.07612	4.88488435	0.0712677	2.07712	4.86519239	0.0305572	No
						F2r	3.11046	20.3801	2.71196127	3.11146	20.3811	2.71156831	0.00022079	No
						F2r1	0.0755509	10.9738	7.18239853	0.0765509	10.9748	7.16355959	0.00273202	No
						F3	0	17.6388	inf	0.001	17.6398	14.1065466	0.00022079	No
						F8	8.03338	2.52816	-1.6679194	8.03438	2.52916	-1.6675284	0.00041963	No
						Fabp4	0	54.9962	inf	0.001	54.9972	15.7470706	0.00022079	No
						Fabp5	2.88863	82.0524	4.8280882	2.88963	82.0534	4.82760643	0.00022079	No
						Fads3	0.129719	22.6307	7.44674759	0.130719	22.6317	7.4357323	0.0120267	No
						Fads6	0.178317	3.43565	4.26806692	0.179317	3.43665	4.26041876	0.00579147	No
						Faf2	17.9375	9.88923	-0.8590487	17.9385	9.89023	-0.8589833	0.0367675	No
						Fah	11.7834	215.98	4.19606994	11.7844	215.981	4.19595419	0.00022079	No
						Fahd1	8.66846	63.685	2.87710599	8.66946	63.686	2.87696222	0.00022079	No
						Fahd2a	18.173	120.678	2.73129419	18.174	120.679	2.73122676	0.00022079	No
						Faim3	9.09548	3.50645	-1.3751386	9.09648	3.50745	-1.3748858	0.0246183	No
						FALZ	39.621	9.86203	-2.0063087	39.622	9.86303	-2.0061989	0.0019604	No
						Fam102a	56.2031	11.33	-2.3105018	56.2041	11.331	-2.3104002	0.00022079	No
						Fam105a	134.333	5.12594	-4.7118534	134.334	5.12694	-4.7115827	0.00022079	No
						Fam105b	86.4375	22.4729	-1.943471	86.4385	22.4739	-1.9434235	0.00022079	No
						Fam107b	89.1371	46.3854	-0.9423552	89.1381	46.3864	-0.9423403	0.00422081	No
						Fam110b	0.371889	5.47346	3.87950913	0.372889	5.47446	3.87589852	0.00494367	No
						Fam115a	0.0865236	5.81807	6.07130315	0.0875236	5.81907	6.05497271	0.00022079	No
						Fam117a	122.999	11.6974	-3.3943868	123	11.6984	-3.3942752	0.00022079	No
						Fam117b	27.4961	6.36974	-2.1099206	27.4971	6.37074	-2.1097466	0.00022079	No
						Fam118a	8.88658	2.14338	-2.0517407	8.88758	2.14438	-2.0512301	0.00022079	No
						FAM120C	0.624438	2.84464	2.18761585	0.625438	2.84564	2.18581438	0.00060553	No
						Fam126a	4.98784	1.13394	-2.1370709	4.98884	1.13494	-2.1360884	0.00022079	No
						Fam127b	45.6943	101.545	1.15203309	45.6953	101.546	1.15201572	0.00130998	No
						Fam131c	0	3.22719	inf	0.001	3.22819	11.6565098	0.00022079	No
						Fam133b	28.0374	16.6256	-0.7539462	28.0384	16.6266	-0.7539108	0.0490996	No
						Fam134c	60.7604	16.5112	-1.8796864	60.7614	16.5122	-1.8796228	0.00022079	No
						Fam135a	0.0103465	7.1091	9.4243803	0.0113465	7.1101	9.2914787	0.00060553	No
						Fam136a	4.9828	13.5439	1.44261465	4.9838	13.5449	1.44243166	0.00022079	No
						Fam13a	0	8.09017	inf	0.001	8.09117	12.9821326	0.012146	No
						Fam13b	41.4819	17.033	-1.2841494	41.4829	17.034	-1.2840995	0.00041963	No
						Fam149a	0.0107677	25.6248	11.2166149	0.0117677	25.6258	11.088549	0.00288641	No
						Fam151a	0.523513	15.6662	4.90328611	0.524513	15.6672	4.90062503	0.0115315	No
						Fam160a1	0	4.90723	inf	0.001	4.90823	12.2609871	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam162a	79.9648	161.734	1.01618602	79.9658	161.735	1.0161769	0.00909283	No
						Fam168b	70.3339	28.6659	-1.2948846	70.3349	28.6669	-1.2948548	0.00022079	No
						Fam169b	89.6332	1.42089	-5.9791664	89.6342	1.42189	-5.9781675	0.00022079	No
						Fam171a2	1.46359	12.1078	3.04835338	1.46459	12.1088	3.04748714	0.0184986	No
						Fam172a	20.2067	10.5752	-0.9341488	20.2077	10.5762	-0.9340838	0.0362414	No
						Fam175a	9.28757	3.86204	-1.2659381	9.28857	3.86304	-1.2657199	0.0213411	No
						Fam178a	12.4878	5.08289	-1.2967984	12.4888	5.08389	-1.2966301	0.00378481	No
						Fam184a	0.126894	4.26766	5.07174948	0.127894	4.26866	5.06076277	0.00242102	No
						Fam185a	33.711	7.59503	-2.1500919	33.712	7.59603	-2.1499447	0.00022079	No
						Fam188b	0.406565	3.23172	2.99074428	0.407565	3.23272	2.98764649	0.00304332	No
						Fam195a	1.06325	53.4512	5.65166958	1.06425	53.4522	5.65034033	0.00022079	No
						Fam195b	38.6875	94.7226	1.29184118	38.6885	94.7236	1.29181912	0.00022079	No
						Fam198b	0.0416666	0.917596	4.46089582	0.0426666	0.918596	4.42825145	0.0271748	No
						Fam19a3	42.7385	11.0762	-1.9480733	42.7395	11.0772	-1.9479768	0.00022079	No
						Fam203a	19.1429	9.27578	-1.0452689	19.1439	9.27678	-1.0451887	0.00536605	No
						Fam208a	35.5785	9.82421	-1.8565924	35.5795	9.82521	-1.8564861	0.00078858	No
						Fam20b	9.16903	17.013	0.89179654	9.17003	17.014	0.891724	0.0393438	No
						Fam20c	0.104345	81.689	9.61263654	0.105345	81.69	9.59889383	0.00022079	No
						Fam213a	1.41215	6.39866	2.17987647	1.41315	6.39966	2.17908065	0.00962607	No
						Fam214a	20.7552	9.5482	-1.1201721	20.7562	9.5492	-1.1200906	0.0115315	No
						Fam214b	1.15441	12.2012	3.40179544	1.15541	12.2022	3.40066449	0.00022079	No
						Fam216a	4.63858	22.4713	2.27632846	4.63958	22.4723	2.27608167	0.00022079	No
						Fam221a	0.150248	1.52886	3.34703861	0.151248	1.52986	3.33841167	0.00896558	No
						Fam26f	90.6217	8.23876	-3.4593574	90.6227	8.23976	-3.4591983	0.00022079	No
						Fam3c	15.4904	29.355	0.92223186	15.4914	29.356	0.92218787	0.0372667	No
						Fam46c	25.0153	3.96255	-2.6583097	25.0163	3.96355	-2.6580033	0.00022079	No
						FAM49B	134.2	21.0973	-2.6692544	134.201	21.0983	-2.6691968	0.00022079	No
						Fam53c	14.8863	7.70803	-0.9495511	14.8873	7.70903	-0.9494609	0.00658515	No
						Fam60a	18.7722	10.3862	-0.8539298	18.7732	10.3872	-0.8538678	0.01483	No
						Fam63a	9.46527	34.913	1.88304876	9.46627	34.914	1.88293768	0.00022079	No
						Fam65b	134.965	3.42996	-5.2982498	134.966	3.43096	-5.2978399	0.00022079	No
						Fam71a	0	2.85666	inf	0.001	2.85766	11.4806186	0.00022079	No
						Fam73b	9.51517	18.3627	0.94847687	9.51617	18.3637	0.94840382	0.00658515	No
						Fam76b	18.5225	4.9504	-1.9036618	18.5235	4.9514	-1.9034483	0.00022079	No
						Fam78a	26.9641	2.02136	-3.7376417	26.9651	2.02236	-3.7369816	0.00022079	No
						Fam83e	0.11947	15.7136	7.03922154	0.12047	15.7146	7.02728782	0.0174725	No
						Fam84b	30.3088	13.486	-1.1682742	30.3098	13.487	-1.1682149	0.00041963	No
						Fam92a1	11.1436	70.6882	2.66525403	11.1446	70.6892	2.66514498	0.00022079	No
						Fam96b	24.1696	91.4488	1.91977064	24.1706	91.4498	1.91972673	0.00022079	No
						Fancg	3.65509	1.43731	-1.3465357	3.65609	1.43831	-1.3459269	0.0336988	No
						Farp1	0.606965	23.0374	5.24622077	0.607965	23.0384	5.24390844	0.00022079	No
						Fars2	10.231	48.0617	2.23194052	10.232	48.0627	2.23182953	0.00565535	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fastkd1	26.9205	10.9932	-1.2920938	26.9215	10.9942	-1.2920162	0.00711928	No
						Faxdc2	1.55492	10.9293	2.81328874	1.55592	10.9303	2.81249321	0.02809	No
						Fbf1	12.1983	29.006	1.24967126	12.1993	29.007	1.24960273	0.0401695	No
						Fbl	125.252	72.0568	-0.7976272	125.253	72.0578	-0.7976186	0.0211214	No
						Fbln5	0	9.52219	inf	0.001	9.52319	13.2172292	0.00022079	No
						Fbrs	44.8091	11.296	-1.9879798	44.8101	11.297	-1.9878842	0.00022079	No
						Fbxl12	59.8941	16.0912	-1.896142	59.8951	16.0922	-1.8960764	0.00363736	No
						Fbxl20	20.4202	5.91046	-1.7886547	20.4212	5.91146	-1.7884813	0.00180113	No
						Fbxl21	0.156793	1.60817	3.35848687	0.157793	1.60917	3.35021164	0.0211214	No
						Fbxo11	26.9571	10.4299	-1.36994	26.9581	10.4309	-1.3698552	0.00164037	No
						Fbxo16	0	3.94379	inf	0.001	3.94479	11.9457328	0.00022079	No
						Fbxo21	5.67268	15.1022	1.41265634	5.67368	15.1032	1.41249756	0.00041963	No
						Fbxo3	69.8016	33.3481	-1.0656555	69.8026	33.3491	-1.0656329	0.012511	No
						Fbxo32	6.03162	1.54354	-1.9663027	6.03262	1.54454	-1.9656075	0.00711928	No
						Fbxo33	22.1579	6.66881	-1.7323199	22.1589	6.66981	-1.7321687	0.00022079	No
						Fbxo34	10.128	5.16056	-0.9727498	10.129	5.16156	-0.9726127	0.0189519	No
						Fbxo4	0.664251	8.97348	3.75586718	0.665251	8.97448	3.75385767	0.00022079	No
						Fbxo44	19.8218	70.3136	1.82671578	19.8228	70.3146	1.82666352	0.00022079	No
						Fbxo5	3.79531	1.7385	-1.1263747	3.79631	1.7395	-1.1259251	0.0490996	No
						Fbxo8	9.16199	16.0361	0.80759043	9.16299	16.0371	0.80752293	0.0462825	No
						Fbxw2	40.3992	23.8842	-0.7582702	40.4002	23.8852	-0.7582455	0.0240684	No
						Fbxw5	35.4709	59.1041	0.73662228	35.4719	59.1051	0.73660601	0.0406701	No
						Fbxw8	0.220599	9.44413	5.41991974	0.221599	9.44513	5.41354738	0.0105196	No
						Fcamr	0	1.68978	inf	0.001	1.69078	10.7234732	0.00022079	No
						Fcer1g	23.6698	114.976	2.28021332	23.6708	114.977	2.28016492	0.00022079	No
						Fcgr1a	0.85663	5.96869	2.80067022	0.85763	5.96969	2.79922874	0.00022079	No
						Fcgrt	6.20438	57.486	3.21185169	6.20538	57.487	3.21164428	0.00022079	No
						Fcho1	69.443	8.66873	-3.0019367	69.444	8.66973	-3.0017911	0.00022079	No
						Fcho2	11.9773	30.867	1.36576255	11.9783	30.868	1.36568884	0.00078858	No
						Fchsd2	25.1425	6.19083	-2.0219234	25.1435	6.19183	-2.0217477	0.00096553	No
						Fcrl1	1.82671	0	#NUM!	1.82771	0.001	-10.835821	0.00022079	No
						Fcrl5	3.00618	0.770283	-1.9644709	3.00718	0.771283	-1.963079	0.011657	No
						Fdft1	7.58449	26.016	1.77827508	7.58549	26.017	1.77814033	0.00022079	No
						Fdx1	12.0887	49.3155	2.02838205	12.0897	49.3165	2.02829197	0.00022079	No
						Fdx1l	33.8661	74.3079	1.13367374	33.8671	74.3089	1.13365056	0.00551024	No
						Fech	4.49375	17.654	1.97400333	4.49475	17.655	1.97376404	0.00022079	No
						Fem1b	21.5106	7.21349	-1.5762784	21.5116	7.21449	-1.5761455	0.00022079	No
						Fermt2	1.04928	32.7267	4.96299652	1.05028	32.7277	4.96166632	0.00022079	No
						Fermt3	110.407	20.8528	-2.4045186	110.408	20.8538	-2.4044625	0.00022079	No
						Fert2	0.0439631	2.17193	5.62654068	0.0449631	2.17293	5.59475638	0.00765035	No
						Fes	0.518182	8.74521	4.07696222	0.519182	8.74621	4.07434572	0.00060553	No
						FEZ2	5.4393	31.9265	2.5532615	5.4403	31.9275	2.55304148	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fgd4	0.0670973	1.50905	4.49124208	0.0680973	1.51005	4.47085491	0.00605729	No
						Fgf1	0	35.4624	inf	0.001	35.4634	15.1140432	0.00022079	No
						Fgf12	0	8.10908	inf	0.001	8.11008	12.9855004	0.00022079	No
						Fgfbp1	0	1.30896	inf	0.001	1.30996	10.355307	0.00022079	No
						Fgfbp3	0.584449	2.32481	1.99196377	0.585449	2.32581	1.99011784	0.0112749	No
						Fgfr1	0.496715	19.6816	5.30828538	0.497715	19.6826	5.30545713	0.00022079	No
						Fgfr1op	12.1085	4.6243	-1.3887133	12.1095	4.6253	-1.3885204	0.00698733	No
						Fgfr1op2	38.018	23.6472	-0.6850133	38.019	23.6482	-0.6849902	0.0342245	No
						Fgfr4	0	23.867	inf	0.001	23.868	14.5427901	0.00022079	No
						Fggy	4.25971	56.1787	3.72119612	4.26071	56.1797	3.72088316	0.00130998	No
						Fgl2	61.1669	3.67778	-4.0558441	61.1679	3.67878	-4.0554754	0.00022079	No
						Fh	12.687	110.676	3.12491954	12.688	110.677	3.12481886	0.00022079	No
						Fhit	5.39591	30.2063	2.48491129	5.39691	30.2073	2.4846917	0.00022079	No
						Fhl1	0.138454	5.33496	5.26799881	0.139454	5.33596	5.25788663	0.00022079	No
						Fitm2	1.17504	3.98212	1.76082683	1.17604	3.98312	1.75996181	0.00164037	No
						Fjx1	0	5.60284	inf	0.001	5.60384	12.4522	0.00022079	No
						Fkbp10	0.614523	2.34217	1.93030688	0.615523	2.34317	1.92857696	0.0139821	No
						Fkbp14	20.1377	6.246	-1.6888944	20.1387	6.247	-1.6887351	0.00078858	No
						Fkbp2	24.7495	170.336	2.78291209	24.7505	170.337	2.78286227	0.00022079	No
						Fkbp5	26.652	8.16805	-1.7061802	26.653	8.16905	-1.7060577	0.00022079	No
						Fln	25.0486	13.3511	-0.9077714	25.0496	13.3521	-0.9077209	0.0171138	No
						Flna	161.356	23.5051	-2.7792015	161.357	23.5061	-2.7791491	0.00022079	No
						Flnb	0.138623	20.5821	7.21407973	0.139623	20.5831	7.20377986	0.00022079	No
						Flrt1	0.0101638	5.17759	8.99269702	0.0111638	5.17859	8.85758735	0.0283842	No
						Flywch1	14.6519	37.3861	1.35141422	14.6529	37.3871	1.35135435	0.00348745	No
						Flywch2	0	6.5185	inf	0.001	6.5195	12.6705456	0.00022079	No
						Fmn1	233.124	26.9364	-3.1134686	233.125	26.9374	-3.1134212	0.00022079	No
						Fmn2	0.501782	3.85222	2.94055747	0.502782	3.85322	2.93805965	0.00645389	No
						Fmo3	0	47.6953	inf	0.001	47.6963	15.5415897	0.00022079	No
						Fmo4	0.515227	26.8517	5.70366142	0.516227	26.8527	5.70091775	0.00022079	No
						FMR1	38.2549	10.879	-1.8140986	38.2559	10.88	-1.8140037	0.00022079	No
						FN1	2.48956	10.8569	2.12464953	2.49056	10.8579	2.12420303	0.00022079	No
						Fnbp1	75.9969	10.8178	-2.8125334	75.9979	10.8188	-2.8124191	0.00022079	No
						Fnbp4	116.45	18.1347	-2.6828859	116.451	18.1357	-2.6828187	0.00022079	No
						Fnip1	15.9086	3.84489	-2.0487927	15.9096	3.84589	-2.0485082	0.00022079	No
						Fnip2	1.36126	10.6252	2.96447545	1.36226	10.6262	2.96355179	0.00022079	No
						Fntb	25.2694	3.491	-2.8556791	25.2704	3.492	-2.855323	0.00022079	No
						Folh1	0	2.67358	inf	0.001	2.67458	11.3850966	0.00022079	No
						FOLR2	0.16896	321.704	10.8948364	0.16996	321.705	10.8863274	0.00022079	No
						Fos	4.4358	244.642	5.78533398	4.4368	244.643	5.78501467	0.00022079	No
						Fosb	0.707432	44.2901	5.96824896	0.708432	44.2911	5.96624364	0.00022079	No
						Fosl2	1.86978	15.129	3.01637619	1.87078	15.13	3.01570017	0.0296827	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Foxj2	19.394	8.22156	-1.2381263	19.395	8.22256	-1.2380252	0.00318754	No
						Foxk1	18.8152	3.44947	-2.447452	18.8162	3.45047	-2.4471105	0.00041963	No
						Foxn2	30.98	6.47582	-2.2582024	30.981	6.47682	-2.2580262	0.00022079	No
						Foxn3	34.2916	6.92613	-2.3077338	34.2926	6.92713	-2.3075676	0.00022079	No
						Foxo1	65.5736	4.58612	-3.8377691	65.5746	4.58712	-3.8374765	0.00022079	No
						Foxp1	49.1716	12.5812	-1.9665558	49.1726	12.5822	-1.9664704	0.00685176	No
						Fpgs	4.43308	28.4049	2.67975852	4.43408	28.4059	2.67948391	0.00022079	No
						Fras1	0	4.35043	inf	0.001	4.35143	12.0872739	0.00164037	No
						Frat2	54.0608	6.90882	-2.9680716	54.0618	6.90982	-2.9678895	0.00022079	No
						Frem1	0	4.15333	inf	0.001	4.15433	12.0204001	0.00022079	No
						Frg1l1	15.3009	6.20215	-1.3027762	15.3019	6.20315	-1.3026379	0.0445136	No
						Frk	0	4.02356	inf	0.001	4.02456	11.9746153	0.00022079	No
						Frmd4a	0.634623	3.91178	2.62385352	0.635623	3.91278	2.62195076	0.0373662	No
						Frmd4b	1.90217	27.3509	3.84587021	1.90317	27.3519	3.84516471	0.00022079	No
						Frmd8	13.9757	23.9301	0.77590588	13.9767	23.9311	0.77586294	0.0297932	No
						Frs2	6.99877	3.79386	-0.883435	6.99977	3.79486	-0.8832609	0.0139821	No
						Frs3	1.0328	5.48672	2.40938305	1.0338	5.48772	2.40824977	0.00078858	No
						Fryl	21.5521	9.42849	-1.1927298	21.5531	9.42949	-1.1926437	0.0216846	No
						Frzb	0	4.1196	inf	0.001	4.1206	12.0086387	0.00022079	No
						Fst	0.342796	402.013	10.1956762	0.343796	402.014	10.1914773	0.00242102	No
						Ftcd	1.53986	14.9626	3.28048979	1.54086	14.9636	3.27964961	0.035911	No
						Fth1	668.136	5690.77	3.09041017	668.137	5690.771	3.09040827	0.00436941	No
						Ftl	19.6977	194.126	3.30089427	19.6987	194.127	3.30082846	0.00022079	No
						Ftsj2	1.95256	5.93308	1.60341435	1.95356	5.93408	1.60291881	0.0117698	No
						Ftsj3	35.9153	10.4256	-1.7844682	35.9163	10.4266	-1.7843699	0.00962607	No
						Fuca2	0.971757	17.9825	4.2098542	0.972757	17.9835	4.20845056	0.00022079	No
						Fundc1	39.1951	17.7987	-1.1389014	39.1961	17.7997	-1.1388572	0.00060553	No
						Fuom	2.18777	15.4343	2.81860707	2.18877	15.4353	2.81804126	0.00041963	No
						Fv1	30.6284	10.3251	-1.5687142	30.6294	10.3261	-1.5686216	0.00022079	No
						Fxyd3	0.615002	45.1527	6.19807735	0.616002	45.1537	6.19576537	0.0123897	No
						Fxyd4	0.034476	65.8774	10.8999755	0.035476	65.8784	10.8587464	0.00130998	No
						Fxyd6	0	6.16195	inf	0.001	6.16295	12.5894054	0.00022079	No
						Fyb	158.908	3.35744	-5.5646863	158.909	3.35844	-5.5642658	0.00022079	No
						Fyco1	26.0359	14.0822	-0.8866295	26.0369	14.0832	-0.8865825	0.0494183	No
						Fyn	111.75	7.72089	-3.8553639	111.751	7.72189	-3.8551899	0.00022079	No
						Fytd1	35.9994	16.8719	-1.0933504	36.0004	16.8729	-1.093305	0.00041963	No
						Fzd1	0	11.0743	inf	0.001	11.0753	13.4350582	0.00022079	No
						Fzd3	0.0824305	1.42615	4.11280367	0.0834305	1.42715	4.09641827	0.0100165	No
						Fzd4	0	32.4719	inf	0.001	32.4729	14.9869486	0.00022079	No
						Fzd8	0.0989049	1.82219	4.20348759	0.0999049	1.82319	4.18976567	0.00845215	No
						G0s2	1.05444	83.0733	6.29983596	1.05544	83.0743	6.29848576	0.00022079	No
						G2E3	7.70924	1.76452	-2.1273129	7.71024	1.76552	-2.1266826	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gaa	2.65135	13.2951	2.32609559	2.65235	13.2961	2.32566007	0.00022079	No
						Gab2	1.45075	5.2293	1.84981891	1.45175	5.2303	1.84910067	0.00436941	No
						Gabarap	259.239	503.554	0.95786372	259.24	503.555	0.95786102	0.00333723	No
						Gabarapl1	28.0069	231.609	3.04783711	28.0079	231.61	3.04779182	0.00022079	No
						Gabarapl2	38.0046	70.0621	0.88246018	38.0056	70.0631	0.88244281	0.00711928	No
						Gabpb1	21.5244	7.97687	-1.4320784	21.5254	7.97787	-1.4319645	0.00022079	No
						Gabpb2	13.3943	5.5087	-1.2818354	13.3953	5.5097	-1.2816812	0.00211842	No
						Gabrp	0	7.53198	inf	0.001	7.53298	12.879005	0.00022079	No
						Gadd45a	35.0126	141.974	2.01968065	35.0136	141.975	2.0196496	0.00022079	No
						Gadd45g	1.08077	275.671	7.99474416	1.08177	275.672	7.99341514	0.00022079	No
						Gadd45gip1	65.252	158.759	1.28274435	65.253	158.76	1.28273133	0.00096553	No
						Galc	3.24053	8.29066	1.35525717	3.24153	8.29166	1.35498603	0.00130998	No
						Galm	11.33	86.2415	2.92823441	11.331	86.2425	2.92812381	0.00022079	No
						Galnt1	42.5095	14.3175	-1.5700057	42.5105	14.3185	-1.5699389	0.00022079	No
						Galnt10	26.0402	9.76561	-1.4149585	26.0412	9.76661	-1.4148661	0.0482079	No
						Galnt12	9.62944	2.13657	-2.1721553	9.63044	2.13757	-2.17163	0.00041963	No
						Galnt13	0	16.4728	inf	0.001	16.4738	14.0078858	0.00060553	No
						Galnt18	0	95.8645	inf	0.001	95.8655	16.5487241	0.00022079	No
						Galnt3	0.0882441	5.56446	5.97859806	0.0892441	5.56546	5.96260033	0.00147497	No
						Galnt6	34.0427	4.47139	-2.9285502	34.0437	4.47239	-2.9282699	0.00022079	No
						Galnt7	7.64029	3.83079	-0.9959855	7.64129	3.83179	-0.9957977	0.0114056	No
						Galt	26.2052	103.574	1.98273687	26.2062	103.575	1.98269574	0.00022079	No
						Gamt	7.42413	95.5788	3.68639678	7.42513	95.5798	3.68621756	0.00022079	No
						Gan	3.18838	1.23758	-1.3653018	3.18938	1.23858	-1.3645889	0.00022079	No
						Gapdh	345.116	1398.42	2.01864446	345.117	1398.421	2.01864131	0.00022079	No
						Garem	0.0984051	4.25707	5.43498392	0.0994051	4.25807	5.42073599	0.0440196	No
						Garnl3	6.99788	2.89111	-1.2752944	6.99888	2.89211	-1.2750016	0.00480115	No
						Gart	35.3746	12.2123	-1.5343789	35.3756	12.2133	-1.5343016	0.00022079	No
						Gas1	0	3.29033	inf	0.001	3.29133	11.684455	0.00022079	No
						Gas2	0.16728	4.37598	4.70926927	0.16828	4.37698	4.70100016	0.00022079	No
						Gatad2a	30.0758	14.0494	-1.0980946	30.0768	14.0504	-1.0980399	0.00022079	No
						Gatad2b	69.2042	13.7319	-2.3333283	69.2052	13.7329	-2.3332441	0.00022079	No
						Gatc	6.61275	18.6272	1.49408856	6.61375	18.6282	1.49394786	0.0251614	No
						Gatm	0.15177	689.201	12.1488224	0.15277	689.202	12.1393499	0.0019604	No
						Gatsl2	3.70292	0.930508	-1.9925729	3.70392	0.931508	-1.9914129	0.00022079	No
						Gba3	0	34.8597	inf	0.001	34.8607	15.0893139	0.00022079	No
						Gbas	39.9741	108.157	1.43598958	39.9751	108.158	1.43596683	0.00022079	No
						Gbp2	27.0598	9.7492	-1.4727954	27.0608	9.7502	-1.4727008	0.00022079	No
						Gbp4	3.30512	0.92567	-1.8361328	3.30612	0.92667	-1.8350115	0.00257873	No
						Gbp5	34.5597	4.04561	-3.0946615	34.5607	4.04661	-3.0943467	0.00022079	No
						Gbp7	74.8509	6.0351	-3.6325701	74.8519	6.0361	-3.6323503	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gc	0	9.99768	inf	0.001	9.99868	13.2875219	0.00022079	No
						Gca	0.595868	36.6403	5.94229473	0.596868	36.6413	5.93991497	0.00022079	No
						Gcat	0.45991	18.3672	5.31963633	0.46091	18.3682	5.31658138	0.00022079	No
						Gcdh	11.5044	113.44	3.30167179	11.5054	113.441	3.30155911	0.00022079	No
						Gcfc2	7.76846	2.69306	-1.5283823	7.76946	2.69406	-1.5280323	0.00618779	No
						GCGR	0.119292	47.3307	8.63213515	0.120292	47.3317	8.62012223	0.0112749	No
						Gchfr	0.407825	68.2193	7.38608592	0.408825	68.2203	7.38257387	0.0072515	No
						Gclc	11.1609	173.706	3.96012231	11.1619	173.707	3.96000136	0.00022079	No
						Gclm	8.56196	148.172	4.11318794	8.56296	148.173	4.11302919	0.00022079	No
						Gcm1	0	1.40386	inf	0.001	1.40486	10.4562107	0.00022079	No
						Gcn1l1	25.5917	14.0921	-0.8607894	25.5927	14.0931	-0.8607434	0.0219049	No
						Gcsh	7.8808	164.017	4.37935946	7.8818	164.018	4.3791852	0.00022079	No
						Gde1	22.6157	66.7845	1.56218866	22.6167	66.7855	1.56214647	0.00022079	No
						Gdi1	242.733	102.721	-1.2406391	242.734	102.722	-1.240631	0.00096553	No
						Gdpd1	2.92384	8.42207	1.5263105	2.92484	8.42307	1.52598845	0.00466383	No
						Gdpd5	0.113016	3.62368	5.00285662	0.114016	3.62468	4.99054544	0.00348745	No
						Gemin2	23.8612	10.6667	-1.1615527	23.8622	10.6677	-1.1614779	0.0072515	No
						Gemin6	6.09885	26.8971	2.14084149	6.09985	26.8981	2.1406586	0.00022079	No
						Get4	14.317	25.6004	0.83843713	14.318	25.6014	0.83839272	0.0179279	No
						Gfm1	12.8605	32.6321	1.3433451	12.8615	32.6331	1.34327713	0.00060553	No
						Gfod2	1.01305	3.40809	1.75025805	1.01405	3.40909	1.7492579	0.0241707	No
						Gfra1	0	1.86942	inf	0.001	1.87042	10.8691465	0.00022079	No
						Gfra3	73.037	41.3451	-0.8209111	73.038	41.3461	-0.820896	0.010144	No
						Gfra4	0	5.56764	inf	0.001	5.56864	12.4431093	0.0174725	No
						Gga2	19.7214	39.4879	1.00164868	19.7224	39.4889	1.00161206	0.00273202	No
						Gga3	22.7296	10.5309	-1.1099436	22.7306	10.5319	-1.10987	0.0423219	No
						Ggact	18.9624	70.2181	1.88870139	18.9634	70.2191	1.88864585	0.00022079	No
						Ggct	24.4747	356.866	3.86601938	24.4757	356.867	3.86596447	0.00022079	No
						Ggcx	4.53965	12.6265	1.47580181	4.54065	12.6275	1.4755983	0.00242102	No
						Ggh	3.00993	34.7007	3.52716293	3.01093	34.7017	3.52672527	0.00022079	No
						GGNBP2	58.8782	26.0797	-1.1748063	58.8792	26.0807	-1.1747755	0.00164037	No
						Ggt1	2.86212	110.074	5.26524577	2.86312	110.075	5.2647549	0.00022079	No
						Ggt6	0	3.09089	inf	0.001	3.09189	11.5942733	0.00022079	No
						Ggt7	1.73145	0.2076	-3.0601024	1.73245	0.2086	-3.0540027	0.0072515	No
						Ghrhr	0	26.3864	inf	0.001	26.3874	14.6875616	0.00022079	No
						Gimap1	80.8348	6.19896	-3.7048784	80.8358	6.19996	-3.7046636	0.00022079	No
						Gimap4	174.748	17.3067	-3.3358734	174.749	17.3077	-3.3357983	0.00022079	No
						GIMAP5	175.273	6.29077	-4.8002233	175.274	6.29177	-4.8000023	0.00022079	No
						Gimap6	138.042	9.66062	-3.8368477	138.043	9.66162	-3.8367088	0.00022079	No
						Gimap7	457.733	23.3368	-4.2938277	457.734	23.3378	-4.293769	0.00022079	No
						Gimap8	80.0875	2.4289	-5.0432021	80.0885	2.4299	-5.0426263	0.00022079	No
						Gimap9	93.5867	4.58534	-4.3512029	93.5877	4.58634	-4.3509037	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ginm1	18.9358	37.9995	1.00486406	18.9368	38.0005	1.00482584	0.00318754	No
						Git2	107.742	28.4891	-1.9190988	107.743	28.4901	-1.9190616	0.00022079	No
						Gja1	0.0694973	4.31405	5.95594216	0.0704973	4.31505	5.93566546	0.00711928	No
						Gjb2	0.214259	7.28885	5.0882635	0.215259	7.28985	5.08174367	0.00078858	No
						Gjb5	0	3.10283	inf	0.001	3.10383	11.5998338	0.00022079	No
						Gjb6	0	0.95794	inf	0.001	0.95894	9.90529674	0.00765035	No
						Gk	2.93066	18.4557	2.65476895	2.93166	18.4567	2.65435493	0.00022079	No
						Gkap1	7.63931	28.9734	1.92321475	7.64031	28.9744	1.92307571	0.00022079	No
						Glb1l	1.06183	7.54901	2.82973465	1.06283	7.55001	2.8285677	0.00422081	No
						Glcci1	33.2591	10.5502	-1.6564788	33.2601	10.5512	-1.6563854	0.00022079	No
						Glce	10.8452	4.32494	-1.3263046	10.8462	4.32594	-1.3261041	0.00096553	No
						Gldc	0.230493	17.9637	6.28421779	0.231493	17.9647	6.27805246	0.00227055	No
						Gle1	50.1788	18.6092	-1.4310619	50.1798	18.6102	-1.4310132	0.00565535	No
						Glg1	16.3935	8.8289	-0.8928183	16.3945	8.8299	-0.8927429	0.0105196	No
						Glipr1	178.508	13.8144	-3.6917439	178.509	13.8154	-3.6916476	0.00022079	No
						Glis1	0.0607163	2.92866	5.59201303	0.0617163	2.92966	5.56893786	0.0114056	No
						Glis3	0	14.4014	inf	0.001	14.4024	13.8140216	0.00022079	No
						Glod5	12.0122	45.183	1.91127966	12.0132	45.184	1.9111915	0.00022079	No
						Glrx	67.6459	23.7343	-1.511029	67.6469	23.7353	-1.5109895	0.00022079	No
						Glrx5	33.6645	134.066	1.99364346	33.6655	134.067	1.99361137	0.00022079	No
						Gls	40.8582	95.6151	1.22661283	40.8592	95.6161	1.2265926	0.00698733	No
						Gltscr1	24.9315	7.79272	-1.6777708	24.9325	7.79372	-1.6776435	0.00022079	No
						Glud1	94.1601	169.909	0.85157452	94.1611	169.91	0.85156769	0.0195167	No
						Glyat	0	249.646	inf	0.001	249.647	17.92953	0.00022079	No
						Glyctk	1.52959	29.4554	4.26731524	1.53059	29.4564	4.26642134	0.00022079	No
						Glyr1	59.8807	180.804	1.5942636	59.8817	180.805	1.59424749	0.00022079	No
						Gm101	0	4.66183	inf	0.001	4.66283	12.1869901	0.0362414	No
						Gm11992	6.40611	22.3033	1.79973671	6.40711	22.3043	1.79957621	0.00022079	No
						Gm14378	44.3663	13.3879	-1.7285346	44.3673	13.3889	-1.7284593	0.00022079	No
						Gm166	0.279453	2.89492	3.37284591	0.280453	2.89592	3.36819083	0.0174725	No
						Gm17615	3.61311	63.3556	4.13215906	3.61411	63.3566	4.13178259	0.00022079	No
						Gmnds	7.16157	20.7883	1.53742398	7.16257	20.7893	1.53729194	0.00257873	No
						Gmeb2	10.3317	3.31015	-1.6421092	10.3327	3.31115	-1.641813	0.00022079	No
						Gmfg	775.736	176.783	-2.1335862	775.737	176.784	-2.1335799	0.00022079	No
						Gmnn	3.10419	7.97574	1.36140152	3.10519	7.97674	1.36111771	0.0267305	No
						Gmppa	18.1945	46.1827	1.34385012	18.1955	46.1837	1.34380206	0.0308614	No
						Gmpr	0.264121	23.7961	6.49338232	0.265121	23.7971	6.48799101	0.00227055	No
						Gna12	3.32057	38.1627	3.52266043	3.32157	38.1637	3.52226382	0.00022079	No
						Gna13	40.5662	13.9497	-1.5400441	40.5672	13.9507	-1.5399762	0.00022079	No
						Gna14	0.148184	3.27952	4.46802309	0.149184	3.28052	4.4587598	0.00363736	No
						Gnai1	0.602349	26.2278	5.44435336	0.603349	26.2288	5.44201524	0.00022079	No
						Gnai2	365.785	117.091	-1.6433657	365.786	117.092	-1.6433573	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gnai3	71.6571	38.2237	-0.9066422	71.6581	38.2247	-0.9066246	0.00407863	No
						Gnat3	0	1.42686	inf	0.001	1.42786	10.4796388	0.00632443	No
						Gnb2l1	2643.82	716.884	-1.8828124	2643.821	716.885	-1.8828109	0.00211842	No
						Gne	44.1834	19.4115	-1.1865928	44.1844	19.4125	-1.1865512	0.00318754	No
						Gng10	24.9198	53.3018	1.09689176	24.9208	53.3028	1.09686094	0.00060553	No
						Gng12	26.8748	159.543	2.56961939	26.8758	159.544	2.56957475	0.0019604	No
						Gng2	35.8054	4.76937	-2.9083066	35.8064	4.77037	-2.9080444	0.00022079	No
						Gng5	35.2886	67.4644	0.93492422	35.2896	67.4654	0.93490472	0.0284928	No
						Gnl2	40.6068	19.5477	-1.0547225	40.6078	19.5487	-1.0546842	0.00288641	No
						Gnl3	61.9859	14.6653	-2.0795335	61.9869	14.6663	-2.0794584	0.00130998	No
						Gnpda1	13.6153	32.836	1.27004962	13.6163	32.837	1.2699876	0.00022079	No
						Gnpda2	22.6617	5.74506	-1.9798622	22.6627	5.74606	-1.9796748	0.0111498	No
						Gnpnat1	19.2078	37.3263	0.95850022	19.2088	37.3273	0.95846376	0.014108	No
						Golgb1	8.64894	46.4653	2.42555849	8.64994	46.4663	2.42542274	0.00333723	No
						Golim4	7.10705	13.9687	0.97487501	7.10805	13.9697	0.9747753	0.0114056	No
						Golt1a	0	12.4435	inf	0.001	12.4445	13.6032206	0.00022079	No
						Gon4l	16.1646	6.61227	-1.2896203	16.1656	6.61327	-1.2894913	0.00318754	No
						Gorasp1	0.524787	14.864	4.82394661	0.525787	14.865	4.82129718	0.00022079	No
						Got1	23.4595	77.9572	1.73251001	23.4605	77.9582	1.73246702	0.00022079	No
						Got2	54.8425	140.807	1.36035281	54.8435	140.808	1.36033675	0.00022079	No
						Gp2	0	13.0924	inf	0.001	13.0934	13.6765522	0.00022079	No
						Gpam	0.921315	8.88144	3.2690272	0.922315	8.88244	3.26762457	0.00022079	No
						Gpatch4	10.905	3.47211	-1.6511052	10.906	3.47311	-1.6508221	0.00078858	No
						Gpatch8	18.8159	6.15384	-1.6123935	18.8169	6.15484	-1.6122357	0.00022079	No
						Gppb1	64.2938	24.2618	-1.405993	64.2948	24.2628	-1.405956	0.00060553	No
						GPBP1L1	63.283	25.1138	-1.3333377	63.284	25.1148	-1.333303	0.00288641	No
						Gpcpd1	41.7536	7.42547	-2.4913463	41.7546	7.42647	-2.4911866	0.00022079	No
						Gpd1l	9.51451	32.34	1.76511841	9.51551	32.341	1.7650114	0.00022079	No
						Gphn	1.33769	11.5279	3.107314	1.33869	11.5289	3.10636105	0.00022079	No
						Gpkow	15.4697	7.44123	-1.0558322	15.4707	7.44223	-1.0557316	0.00211842	No
						Gpm6a	0	14.7893	inf	0.001	14.7903	13.8523637	0.00022079	No
						Gpm6b	0.0643905	0.83146	3.6907271	0.0653905	0.83246	3.67022799	0.0477719	No
						Gpnmb	0.118573	13.3611	6.81611944	0.119573	13.3621	6.80411129	0.00407863	No
						Gpr116	0	16.7132	inf	0.001	16.7142	14.0287867	0.00022079	No
						Gpr125	0.330609	24.843	6.23156959	0.331609	24.844	6.2272705	0.00022079	No
						Gpr132	34.3509	3.09632	-3.4717214	34.3519	3.09732	-3.4712975	0.00022079	No
						Gpr137b	0.112801	15.628	7.11420949	0.113801	15.629	7.10156843	0.00022079	No
						Gpr15	3.40041	0.182794	-4.2174181	3.40141	0.183794	-4.2099713	0.00130998	No
						Gpr155	8.74819	0.28458	-4.9420784	8.74919	0.28558	-4.9371826	0.00022079	No
						Gpr162	0.0694757	2.39176	5.10542035	0.0704757	2.39276	5.08540599	0.00870822	No
						Gpr171	29.5193	6.68157	-2.1433995	29.5203	6.68257	-2.1432324	0.00022079	No
						Gpr174	15.6304	0.574348	-4.7662858	15.6314	0.575348	-4.7638684	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gpr176	0.0372837	4.27923	6.84266237	0.0382837	4.28023	6.80481424	0.0304578	No
						Gpr183	32.0925	3.92207	-3.032549	32.0935	3.92307	-3.0322262	0.0341219	No
						Gpr56	0.105406	120.644	10.1605835	0.106406	120.645	10.1469729	0.00022079	No
						Gpr65	10.0937	0.64916	-3.9587372	10.0947	0.65016	-3.9566594	0.00022079	No
						Gpr68	18.8838	2.11974	-3.1551899	18.8848	2.12074	-3.1545858	0.00022079	No
						Gpr89b	16.4054	35.2602	1.10386989	16.4064	35.2612	1.10382286	0.0291184	No
						Gprc5b	0	5.13817	inf	0.001	5.13917	12.3273197	0.00605729	No
						Gprin3	4.86768	0.223723	-4.4434488	4.86868	0.224723	-4.437311	0.00022079	No
						Gpt	1.05675	8.30817	2.97489662	1.05775	8.30917	2.97370569	0.00041963	No
						Gpx1	132.961	891.895	2.74587074	132.962	891.896	2.74586151	0.00022079	No
						GPX4	114.524	463.434	2.01671393	114.525	463.435	2.01670444	0.00022079	No
						Gramd1a	242.361	47.4122	-2.3538273	242.362	47.4132	-2.3538028	0.00022079	No
						Gramd3	0.206979	9.11278	5.46033493	0.207979	9.11378	5.45353978	0.00022079	No
						Gramd4	52.2082	10.1019	-2.3696498	52.2092	10.1029	-2.3695346	0.00022079	No
						Grap	138.61	11.5422	-3.5860412	138.611	11.5432	-3.5859266	0.00593001	No
						Grap2	97.1424	2.37771	-5.3524565	97.1434	2.37871	-5.3518647	0.00022079	No
						Grb2	89.7955	43.438	-1.0476855	89.7965	43.439	-1.0476683	0.00041963	No
						Grb7	0.306101	22.2579	6.18416591	0.307101	22.2589	6.17952528	0.00022079	No
						Grhl3	0.420665	3.10587	2.88425375	0.421665	3.10687	2.88129269	0.00147497	No
						Grhpr	7.09119	345.075	5.60473839	7.09219	345.076	5.60453914	0.00022079	No
						Grik2	0	5.36683	inf	0.001	5.36783	12.3901233	0.00022079	No
						Grina	89.6057	183.045	1.03053595	89.6067	183.046	1.03052773	0.00078858	No
						Gripap1	32.3992	16.2348	-0.9968686	32.4002	16.2358	-0.9968242	0.0112749	No
						Grk6	282.104	29.4962	-3.2576261	282.105	29.4972	-3.2575823	0.00022079	No
						Grn	25.3923	120.773	2.24983498	25.3933	120.774	2.24979011	0.00022079	No
						Grpel1	27.3242	72.1226	1.40027215	27.3252	72.1236	1.40023935	0.00022079	No
						Grtp1	0.0913288	45.1313	8.94884274	0.0923288	45.1323	8.93316385	0.00022079	No
						Gsdma	3.37272	7.66348	1.18408712	3.37372	7.66448	1.18384767	0.00605729	No
						Gsdmd	21.7039	4.41939	-2.2960351	21.7049	4.42039	-2.2957752	0.00022079	No
						Gsg2	25.5745	1.85825	-3.7826895	25.5755	1.85925	-3.7819698	0.00870822	No
						Gsn	32.4588	74.9414	1.20715326	32.4598	74.9424	1.20712807	0.00022079	No
						Gsr	21.0001	117.031	2.47842263	21.0011	117.032	2.47836626	0.00022079	No
						Gss	8.17949	102.814	3.65188202	8.18049	102.815	3.65171969	0.00022079	No
						GSTA1	0.042629	155.474	11.8325505	0.043629	155.475	11.7991076	0.00765035	No
						Gsta2	0	81.5628	inf	0.001	81.5638	16.3156414	0.00022079	No
						Gsta3	0.00921559	79.1477	13.0681833	0.01021559	79.1487	12.9195774	0.028703	No
						GSTA6	6.45288	21.0298	1.70442003	6.45388	21.0308	1.70426507	0.00466383	No
						Gstk1	2.06135	39.8227	4.27192965	2.06235	39.8237	4.27126617	0.00022079	No
						Gstm2	0	264.034	inf	0.001	264.035	18.0103697	0.00022079	No
						Gstm7	0.810503	26.3799	5.02447776	0.811503	26.3809	5.02275355	0.00022079	No
						Gstp1	263.39	533.263	1.01764666	263.391	533.264	1.01764389	0.00536605	No
						GSTT2	13.2251	37.2954	1.49571907	13.2261	37.2964	1.49564867	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gtf2f1	26.598	65.8619	1.30812636	26.599	65.8629	1.30809403	0.00242102	No
						Gtf2h1	22.1231	13.0934	-0.7567138	22.1241	13.0944	-0.7566688	0.0261671	No
						Gtf2h3	14.0974	5.67103	-1.3137464	14.0984	5.67203	-1.3135944	0.00113657	No
						Gtf2h5	16.8508	43.8726	1.38050312	16.8518	43.8736	1.38045039	0.00164037	No
						Gtf2i	149.844	67.4355	-1.1518811	149.845	67.4365	-1.1518694	0.0230222	No
						GTF2IRD2	9.22071	3.44584	-1.4200221	9.22171	3.44684	-1.41976	0.0469032	No
						Gtf3c1	28.3137	12.2745	-1.205836	28.3147	12.2755	-1.2057695	0.00060553	No
						Gtf3c4	7.93581	3.29604	-1.2676437	7.93681	3.29704	-1.2673879	0.00147497	No
						Guca2b	0	8.9683	inf	0.001	8.9693	13.1307797	0.00022079	No
						GUCD1	5.94739	18.4801	1.63564397	5.94839	18.4811	1.63547948	0.00022079	No
						Gucy1a3	4.38067	0.515657	-3.0866679	4.38167	0.516657	-3.0842021	0.00022079	No
						Gucy1b2	0.0235333	26.821	10.1544437	0.0245333	26.822	10.0944598	0.00060553	No
						Gucy2g	0	2.9179	inf	0.001	2.9189	11.5112091	0.00765035	No
						Guk1	60.746	144.145	1.24665948	60.747	144.146	1.24664574	0.00022079	No
						Gulp1	0	17.6815	inf	0.001	17.6825	14.1100346	0.00022079	No
						Gxylt1	17.4146	9.08661	-0.9384833	17.4156	9.08761	-0.9384074	0.0219049	No
						Gyg1	6.71633	18.1183	1.43170257	6.71733	18.1193	1.43156741	0.00096553	No
						Gylt1b	1.31826	12.2181	3.21231311	1.31926	12.2191	3.2113372	0.00242102	No
						Gypc	8.41087	2.03791	-2.0451647	8.41187	2.03891	-2.0446285	0.00041963	No
						Gys1	0.738531	9.70431	3.71589525	0.739531	9.70531	3.71409177	0.00022079	No
						Gzmk	7.48654	3.05417	-1.2935187	7.48754	3.05517	-1.2932391	0.043912	No
						Gzmm	81.4903	31.8829	-1.3538455	81.4913	31.8839	-1.3538179	0.00211842	No
						H1fx	24.6167	56.0682	1.18754538	24.6177	56.0692	1.18751251	0.00658515	No
						H2afj	44.3215	179.104	2.01471894	44.3225	179.105	2.01469445	0.00022079	No
						H2afz	201.013	101.347	-0.9879854	201.014	101.348	-0.9879784	0.0195167	No
						H6pd	0.465694	7.15327	3.9411487	0.466694	7.15427	3.93825574	0.00022079	No
						Hacl1	2.27595	12.361	2.44125469	2.27695	12.362	2.44073765	0.00304332	No
						Hadh	21.4847	156.417	2.86401578	21.4857	156.418	2.86395786	0.00022079	No
						Hadha	66.7691	148.684	1.15499691	66.7701	148.685	1.154985	0.00242102	No
						Hadhb	42.7461	98.7793	1.20841595	42.7471	98.7803	1.2083968	0.00022079	No
						Hagh	12.0022	107.521	3.16324768	12.0032	107.522	3.1631409	0.00022079	No
						Hao1	0	0.996544	inf	0.001	0.997544	9.96223667	0.00022079	No
						Hao2	0	1018.65	inf	0.001	1018.651	19.9582284	0.00022079	No
						Hap1	11.1387	1.14262	-3.2851633	11.1397	1.14362	-3.2840307	0.00022079	No
						Haus1	5.68811	2.68744	-1.0817168	5.68911	2.68844	-1.0814337	0.00896558	No
						Haus4	4.70115	18.4765	1.97460587	4.70215	18.4775	1.97437711	0.00147497	No
						Haus6	3.56726	0.869093	-2.0372339	3.56826	0.870093	-2.0359792	0.00060553	No
						Havcr1	0.0767859	20.6016	8.06769925	0.0777859	20.6026	8.04910203	0.00130998	No
						Hba1	30.7032	2254.6	6.19833866	30.7042	2254.601	6.19829232	0.00022079	No
						Hba2	15.113	1146.36	6.24512629	15.114	1146.361	6.2450321	0.00022079	No
						Hbb	13.2952	553.256	5.37896981	13.2962	553.257	5.37886391	0.00022079	No
						Hcfc1r1	117.221	266.786	1.18645191	117.222	266.787	1.18644501	0.0406701	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hcfc2	24.1838	8.27933	-1.546455	24.1848	8.28033	-1.5463404	0.015076	No
						Hck	1.46701	6.30104	2.10271126	1.46801	6.30204	2.10195712	0.00060553	No
						Hcls1	128.757	25.5945	-2.3307451	128.758	25.5955	-2.3307	0.00022079	No
						Hcn2	0.235861	16.6341	6.14006311	0.236861	16.6351	6.13404606	0.0019604	No
						Hdac1	89.5839	45.7657	-0.9689727	89.5849	45.7667	-0.9689573	0.00211842	No
						Hdac10	18.1117	9.07362	-0.9971718	18.1127	9.07462	-0.9970925	0.0364343	No
						Hdac11	0.290909	26.9793	6.53514118	0.291909	26.9803	6.53024389	0.00022079	No
						Hdac4	7.52638	2.23616	-1.7509327	7.52738	2.23716	-1.7504794	0.00022079	No
						Hdac7	47.7545	15.5128	-1.6221776	47.7555	15.5138	-1.6221148	0.00227055	No
						Hddc3	2.81404	48.3482	4.10274744	2.81504	48.3492	4.10226469	0.00022079	No
						Hdhd3	0.271323	14.6635	5.75607434	0.272323	14.6645	5.75086524	0.0189519	No
						Hdlbp	33.5129	59.0357	0.81687111	33.5139	59.0367	0.8168525	0.0192929	No
						HEBP1	1.46589	8.70475	2.57002602	1.46689	8.70575	2.5692079	0.00242102	No
						Heca	195.3	10.169	-4.2634422	195.301	10.17	-4.2633078	0.00022079	No
						Helb	23.234	4.45693	-2.3821153	23.235	4.45793	-2.3818538	0.00096553	No
						Helq	5.53385	2.69792	-1.036436	5.53485	2.69892	-1.036162	0.0437345	No
						Helz2	23.9633	6.94038	-1.78774	23.9643	6.94138	-1.7875924	0.00180113	No
						Herc1	53.5863	14.9545	-1.8412845	53.5873	14.9555	-1.841215	0.00896558	No
						Herc4	30.9143	8.34356	-1.8895394	30.9153	8.34456	-1.8894131	0.00288641	No
						Herc6	18.7131	4.36407	-2.1003024	18.7141	4.36507	-2.100049	0.00022079	No
						Herpud2	40.262	15.0383	-1.4207774	40.263	15.0393	-1.4207173	0.00022079	No
						Hes1	0.225914	66.9118	8.21034317	0.226914	66.9128	8.20399278	0.00022079	No
						Hes6	22.8701	59.1496	1.37090574	22.8711	59.1506	1.37086705	0.00022079	No
						Hexb	5.53684	70.6664	3.67388968	5.53784	70.6674	3.67364955	0.00022079	No
						Hexim1	74.1322	43.4626	-0.7703258	74.1332	43.4636	-0.7703121	0.0212313	No
						Heyl	0	4.6135	inf	0.001	4.6145	12.1719586	0.00022079	No
						Hgd	0	125.232	inf	0.001	125.233	16.9342552	0.00022079	No
						Hgs	19.5461	41.6789	1.09243642	19.5471	41.6799	1.09239723	0.00466383	No
						Hgsnat	49.4359	17.4963	-1.4985092	49.4369	17.4973	-1.498456	0.00113657	No
						Hiat1	43.3867	19.8592	-1.1274454	43.3877	19.8602	-1.127406	0.00130998	No
						Hibadh	41.5469	157.529	1.9228047	41.5479	157.53	1.92277914	0.00022079	No
						Hibch	7.77693	16.3406	1.0711883	7.77793	16.3416	1.07109109	0.0165181	No
						Hif1a	57.7888	28.4534	-1.0221889	57.7898	28.4544	-1.0221631	0.00304332	No
						Higd1a	21.3655	71.3357	1.73934118	21.3665	71.3367	1.73929388	0.00579147	No
						Higd2a	74.0412	147.038	0.98978887	74.0422	147.039	0.98977919	0.00508519	No
						Hint2	54.5517	299.837	2.45848236	54.5527	299.838	2.45846073	0.00022079	No
						Hint3	9.54652	20.3554	1.09236474	9.54752	20.3564	1.0922845	0.0213411	No
						Hip1	0.264929	7.75766	4.87194387	0.265929	7.75866	4.86669449	0.00022079	No
						Hip1r	33.0254	10.4601	-1.6586794	33.0264	10.4611	-1.6585852	0.00022079	No
						Hipk1	69.8117	19.1876	-1.8632946	69.8127	19.1886	-1.8632401	0.00022079	No
						Hipk2	2.62537	10.6844	2.02491323	2.62637	10.6854	2.02449883	0.00078858	No
						Hira	13.5204	3.7457	-1.8518306	13.5214	3.7467	-1.8515522	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hist1h3a	0.499322	4.80662	3.26698037	0.500322	4.80762	3.26439407	0.0475016	No
						HIST1H4B	1.41048	8.69335	2.62372602	1.41148	8.69435	2.62286949	0.0467065	No
						Hist2h2aa3	38.1033	267.002	2.80886269	38.1043	267.003	2.80883023	0.00022079	No
						Hist3h2a	7.54476	28.59	1.92196371	7.54576	28.591	1.92182296	0.00022079	No
						Hivep2	10.455	2.75291	-1.9251637	10.456	2.75391	-1.9247777	0.00022079	No
						Hlcs	4.90914	2.33953	-1.0692516	4.91014	2.34053	-1.0689289	0.0130042	No
						Hlf	0.406802	6.72193	4.04647684	0.407802	6.72293	4.04314937	0.00436941	No
						Hltf	28.6345	8.75355	-1.7098143	28.6355	8.75455	-1.7096999	0.00333723	No
						Hm13	99.4554	224.917	1.1772711	99.4564	224.918	1.17726301	0.011893	No
						Hmbox1	15.1059	6.75966	-1.1600896	15.1069	6.76066	-1.1599716	0.00227055	No
						Hmbs	10.4218	20.8068	0.99745063	10.4228	20.8078	0.99738154	0.0159346	No
						Hmg20a	53.3772	9.60639	-2.4741573	53.3782	9.60739	-2.4740342	0.00022079	No
						Hmgb2	435.237	58.7503	-2.8891331	435.238	58.7513	-2.8891118	0.00022079	No
						Hmgcl	19.1937	58.8231	1.61574997	19.1947	58.8241	1.61569933	0.00022079	No
						Hmgcs1	8.69623	16.9818	0.96552738	8.69723	16.9828	0.96544645	0.00645389	No
						Hmgcs2	0.120716	14.3887	6.89717553	0.121716	14.3897	6.88537388	0.00041963	No
						Hmgn3	24.3705	60.903	1.32137744	24.3715	60.904	1.32134194	0.00041963	No
						Hmgn5b	4.52946	9.55648	1.07714026	4.53046	9.55748	1.07697273	0.028906	No
						Hmox1	0.20272	10.9345	5.75325501	0.20372	10.9355	5.74628775	0.00242102	No
						Hmox2	19.5701	42.9302	1.13334177	19.5711	42.9312	1.13330165	0.0239545	No
						Hmx2	0	1.98333	inf	0.001	1.98433	10.9544363	0.00022079	No
						Hn1	111.512	58.9071	-0.9206855	111.513	58.9081	-0.920674	0.00791314	No
						Hnf4g	0	1.61267	inf	0.001	1.61367	10.6561299	0.00022079	No
						Hnmt	0	17.2861	inf	0.001	17.2871	14.0774082	0.00022079	No
						Hnrnpa0	503.608	106.238	-2.2450013	503.609	106.239	-2.2449906	0.00022079	No
						HNRNPA1	874.613	139.007	-2.6534873	874.614	139.008	-2.6534785	0.00022079	No
						Hnrnpa2b1	602.259	246.944	-1.2862001	602.26	246.945	-1.2861967	0.012146	No
						Hnrnpab	151.077	94.0584	-0.6836553	151.078	94.0594	-0.6836496	0.0409854	No
						Hnrnpdl	142.446	45.5088	-1.6461977	142.447	45.5098	-1.6461761	0.00022079	No
						Hnrnpf	309.826	118.517	-1.3863642	309.827	118.518	-1.3863567	0.00022079	No
						Hnrnpk	326.788	176.93	-0.8851763	326.789	176.931	-0.8851726	0.0236064	No
						Hnrnpl	375.746	191.745	-0.9705688	375.747	191.746	-0.9705651	0.0132548	No
						Hnrnpm	178.531	89.9662	-0.9887196	178.532	89.9672	-0.9887117	0.00242102	No
						Hnrnpr	63.9809	30.531	-1.0673664	63.9819	30.532	-1.0673417	0.00333723	No
						Hnrnpu	239.183	97.0795	-1.3008763	239.184	97.0805	-1.3008674	0.00407863	No
						Hnrnpul2	90.938	32.1805	-1.4986965	90.939	32.1815	-1.4986676	0.00909283	No
						Hnrpd	213.471	67.5625	-1.6597455	213.472	67.5635	-1.6597309	0.00022079	No
						Hoga1	0.749617	108.593	7.17856172	0.750617	108.594	7.17665171	0.00022079	No
						Homer1	0.208607	2.66848	3.67715872	0.209607	2.66948	3.67079994	0.0072515	No
						Homer2	0	4.21855	inf	0.001	4.21955	12.0428734	0.00022079	No
						Homez	0.691921	2.71934	1.97457731	0.692921	2.72034	1.97302419	0.033901	No
						Hook1	0.467222	7.3974	3.98483818	0.468222	7.3984	3.98194867	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hook2	2.42718	26.1565	3.4298165	2.42818	26.1575	3.42927738	0.00022079	No
						Hoxa3	0	2.27449	inf	0.001	2.27549	11.1519615	0.00022079	No
						Hoxa7	0	1.45932	inf	0.001	1.46032	10.5120688	0.0228245	No
						Hoxa9	0	2.90056	inf	0.001	2.90156	11.502613	0.00242102	No
						Hoxb2	0	34.7769	inf	0.001	34.7779	15.0858832	0.00022079	No
						Hoxb8	0	39.1977	inf	0.001	39.1987	15.2585182	0.00022079	No
						Hoxc10	0	5.93444	inf	0.001	5.93544	12.5351393	0.00022079	No
						Hoxd8	0	215.622	inf	0.001	215.623	17.7181515	0.00022079	No
						Hps4	9.7263	21.9238	1.17253488	9.7273	21.9248	1.17245236	0.0184986	No
						Hps5	14.2833	6.95955	-1.0372634	14.2843	6.96055	-1.0371571	0.0233831	No
						Hpse	19.6128	1.80314	-3.4432122	19.6138	1.80414	-3.4424859	0.00022079	No
						Hpx	0.308128	2.91069	3.2397595	0.309128	2.91169	3.23558052	0.00466383	No
						Hrct1	0	14.7837	inf	0.001	14.7847	13.8518173	0.00022079	No
						Hrsp12	31.2066	984.948	4.98012447	31.2076	984.949	4.98007971	0.00022079	No
						Hs1bp3	4.98422	11.0339	1.14650316	4.98522	11.0349	1.14634448	0.00605729	No
						Hs2st1	17.3257	9.47656	-0.8704783	17.3267	9.47756	-0.8704093	0.00896558	No
						Hs3st3b1	2.89246	6.28522	1.11966624	2.89346	6.28622	1.11939706	0.0436314	No
						Hsbp1	65.0087	276.267	2.08735853	65.0097	276.268	2.08734156	0.00022079	No
						Hsd11b1	6.81887	90.532	3.73082324	6.81987	90.533	3.73062762	0.00022079	No
						Hsd11b2	0.0451312	76.997	10.7364614	0.0461312	76.998	10.7048624	0.00791314	No
						Hsd17b10	82.1525	234.501	1.51321769	82.1535	234.502	1.51320628	0.00022079	No
						Hsd17b11	19.1413	46.8481	1.29130172	19.1423	46.8491	1.29125715	0.00041963	No
						Hsd17b2	0	2.60572	inf	0.001	2.60672	11.3480199	0.00022079	No
						Hsd17b4	16.5429	67.8295	2.03570069	16.5439	67.8305	2.03563476	0.00022079	No
						Hsd3b7	29.6641	16.2158	-0.8713178	29.6651	16.2168	-0.8712775	0.0349553	No
						Hsdl1	21.8711	10.2261	-1.0967697	21.8721	10.2271	-1.0966946	0.00096553	No
						Hsdl2	7.05579	36.8722	2.38565397	7.05679	36.8732	2.38548864	0.00022079	No
						Hsf2	3.79531	8.18791	1.10927752	3.79631	8.18891	1.10907363	0.0161624	No
						Hsh2d	20.4362	2.99537	-2.7703208	20.4372	2.99637	-2.7699099	0.00022079	No
						Hsp90aa1	98.5275	198.491	1.01047524	98.5285	198.492	1.01046786	0.00480115	No
						Hspa4l	0.96082	3.1116	1.69531853	0.96182	3.1126	1.69428136	0.0117698	No
						Hspa9	53.5706	103.437	0.94923898	53.5716	103.438	0.949226	0.00480115	No
						Hspb6	5.0824	47.6188	3.22794944	5.0834	47.6198	3.2276959	0.00778313	No
						Hspb8	0	3.05318	inf	0.001	3.05418	11.5765694	0.00022079	No
						Hspbap1	29.6488	12.8411	-1.2072049	29.6498	12.8421	-1.2071412	0.0405826	No
						Hspbp1	18.3467	37.5782	1.03437537	18.3477	37.5792	1.03433513	0.00738919	No
						Hspd1	64.987	164.123	1.33655438	64.988	164.124	1.33654097	0.00711928	No
						Hspe1	192.619	474.688	1.30122956	192.62	474.689	1.30122511	0.0456891	No
						Htatsf1	43.7491	26.8284	-0.7054923	43.7501	26.8294	-0.7054715	0.0346416	No
						Htt	9.03284	3.83711	-1.2351595	9.03384	3.83811	-1.2349433	0.00078858	No
						Huwe1	129.67	37.6629	-1.7836287	129.671	37.6639	-1.7836016	0.00022079	No
						Hyal1	12.3578	24.9717	1.01487211	12.3588	24.9727	1.01481314	0.0270805	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hyal2	0.586826	14.8201	4.65847858	0.587826	14.8211	4.65611954	0.00022079	No
						Hykk	0	22.9145	inf	0.001	22.9155	14.4840361	0.00022079	No
						Hypk	151.496	272.701	0.84804029	151.497	272.702	0.84803606	0.0153152	No
						lah1	79.2278	199.73	1.3339724	79.2288	199.731	1.33396141	0.00022079	No
						lba57	2.63185	7.66483	1.54217653	2.63285	7.66583	1.54181667	0.00257873	No
						lca1	0.333312	14.1425	5.4070201	0.334312	14.1435	5.40280023	0.00022079	No
						lcam1	3.07261	11.8649	1.94916338	3.07361	11.8659	1.94881551	0.00022079	No
						lcam2	156.118	37.4294	-2.0603931	156.119	37.4304	-2.0603638	0.00180113	No
						lcmt	3.80359	8.42667	1.14760089	3.80459	8.42767	1.14739283	0.0229153	No
						lcos	41.8001	3.26178	-3.679775	41.8011	3.26278	-3.6793673	0.00022079	No
						lcoslg	2.40482	20.3555	3.08141784	2.40582	20.3565	3.08088892	0.00022079	No
						lct1	37.096	83.2084	1.16546555	37.097	83.2094	1.16544399	0.00078858	No
						ld3	46.3015	86.9695	0.90945061	46.3025	86.9705	0.90943604	0.00870822	No
						ldh1	4.8219	98.6232	4.35425343	4.8229	98.6242	4.35396889	0.00022079	No
						ldh2	12.6937	546.32	5.42756168	12.6947	546.321	5.42745067	0.00022079	No
						ldh3a	35.3867	71.7608	1.01998874	35.3877	71.7618	1.01996808	0.00211842	No
						ldh3B	58.0145	141.042	1.2816394	58.0155	141.043	1.28162476	0.00022079	No
						ldh3g	94.0855	217.388	1.208228	94.0865	217.389	1.2082193	0.00022079	No
						ldi1	3.21131	7.97502	1.3123262	3.21231	7.97602	1.3120579	0.0417961	No
						ldua	39.5909	16.4298	-1.2688539	39.5919	16.4308	-1.2688026	0.0175851	No
						ler2	28.023	82.5097	1.55795232	28.024	82.5107	1.55791833	0.00022079	No
						ler3	2.02349	97.5235	5.59083228	2.02449	97.5245	5.59013427	0.00022079	No
						ler5l	0.0664015	13.1964	7.63471287	0.0674015	13.1974	7.61325732	0.028906	No
						lffo1	50.862	18.7622	-1.4387592	50.863	18.7632	-1.4387107	0.00022079	No
						lfi202b	315.4	7.62889	-5.3695657	315.401	7.62989	-5.3693812	0.00022079	No
						lfi2712b	1279.93	341.712	-1.9052121	1279.931	341.713	-1.905209	0.00022079	No
						lfi44	77.2309	27.5029	-1.4895944	77.2319	27.5039	-1.4895607	0.00022079	No
						lfi44l	57.2559	6.351	-3.1723687	57.2569	6.352	-3.1721667	0.00022079	No
						lfi47	52.8248	10.0514	-2.3938189	52.8258	10.0524	-2.3937027	0.00451708	No
						lfit1lb	9.92684	22.849	1.20272458	9.92784	22.85	1.2026424	0.0110257	No
						lfitm1	418.333	66.4613	-2.6540654	418.334	66.4623	-2.6540471	0.00022079	No
						lfitm2	168.775	372.302	1.14137215	168.776	372.303	1.14136747	0.00884258	No
						lFNAR1	55.9484	11.3041	-2.3072507	55.9494	11.3051	-2.3071489	0.00022079	No
						lfnar2	13.1642	5.68356	-1.2117531	13.1652	5.68456	-1.2116088	0.00752743	No
						lfngr2	22.4005	10.1104	-1.1476909	22.4015	10.1114	-1.1476126	0.00242102	No
						lft122	0.823116	19.5087	4.56687807	0.824116	19.5097	4.56520036	0.00022079	No
						lft172	3.57949	20.4421	2.51371746	3.58049	20.4431	2.51338504	0.00536605	No
						lft20	44.3143	78.5911	0.82659362	44.3153	78.5921	0.82657942	0.0282852	No
						lft43	0.97012	16.3093	4.07138784	0.97112	16.3103	4.06998993	0.00022079	No
						lft46	11.8479	33.4629	1.49793111	11.8489	33.4639	1.49785246	0.00022079	No
						lft57	0.887852	14.4217	4.02177822	0.888852	14.4227	4.02025424	0.00022079	No
						lft80	25.6906	8.30576	-1.6290565	25.6916	8.30676	-1.628939	0.00480115	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lft81	2.1515	11.6258	2.43391525	2.1525	11.6268	2.43336894	0.00022079	No
						lgf1	0	26.2379	inf	0.001	26.2389	14.6794196	0.00022079	No
						lgf1r	14.723	8.69646	-0.7595715	14.724	8.69746	-0.7595036	0.0379944	No
						lgfbp1	0	30.2652	inf	0.001	30.2662	14.8854199	0.00022079	No
						lgfbp4	1.08079	22.9109	4.405876	1.08179	22.9119	4.40460473	0.00022079	No
						lgfbp5	0	153.41	inf	0.001	153.411	17.2270424	0.00022079	No
						IGG-2A	182.221	25.1969	-2.8543711	182.222	25.1979	-2.8543217	0.00022079	No
						IGJ	12.3822	1.68418	-2.8781494	12.3832	1.68518	-2.8774096	0.00022079	No
						lgkc	70.3509	7.61939	-3.2068215	70.3519	7.62039	-3.2066526	0.00022079	No
						lglon5	0.330884	5.0023	3.91819415	0.331884	5.0033	3.91412898	0.00180113	No
						lgsf5	0	62.279	inf	0.001	62.28	15.9264813	0.00022079	No
						lgsf9	1.04384	4.99136	2.25753237	1.04484	4.99236	2.25643994	0.00422081	No
						lkbip	3.74736	11.7516	1.64891071	3.74836	11.7526	1.64864853	0.0243977	No
						lkbkb	56.1365	25.9932	-1.1108049	56.1375	25.9942	-1.1107751	0.00227055	No
						lkbke	117.17	33.1405	-1.821936	117.171	33.1415	-1.8219047	0.00180113	No
						lkbkg	14.1085	4.22523	-1.7394628	14.1095	4.22623	-1.7392237	0.00078858	No
						lkzf1	217.091	8.05466	-4.7523324	217.092	8.05566	-4.75216	0.00022079	No
						lkzf2	12.9573	1.47368	-3.1362699	12.9583	1.47468	-3.1354026	0.00022079	No
						lkzf3	55.0916	2.61479	-4.3970654	55.0926	2.61579	-4.3965399	0.00078858	No
						lkzf5	14.1847	5.02036	-1.4984729	14.1857	5.02136	-1.4982873	0.00022079	No
						ll10ra	15.4184	0.656851	-4.5529431	15.4194	0.657851	-4.550842	0.00022079	No
						ll10rb	26.1871	14.0646	-0.8967878	26.1881	14.0656	-0.8967403	0.0221192	No
						ll11ra1	0.048046	51.8903	10.0768328	0.049046	51.8913	10.0471415	0.0117698	No
						ll12rb1	2.30771	6.22278	1.4310973	2.30871	6.22378	1.4307041	0.0196176	No
						ll13ra1	0.160609	13.5261	6.39604938	0.161609	13.5271	6.38720123	0.0373662	No
						ll15ra	0.456052	3.21022	2.81540193	0.457052	3.21122	2.81269129	0.00618779	No
						ll16	43.9814	3.58954	-3.6150226	43.9824	3.59054	-3.6146536	0.00227055	No
						ll17rd	0.0313904	7.80779	7.95844703	0.0323904	7.80879	7.91338892	0.0344255	No
						ll17re	0.279857	7.74477	4.79046066	0.280857	7.74577	4.785501	0.00242102	No
						ll18	2.16102	12.0441	2.47854226	2.16202	12.0451	2.4779946	0.0467065	No
						ll18r1	18.3831	2.23581	-3.0395106	18.3841	2.23681	-3.0389439	0.00022079	No
						ll18RAP	9.54791	3.27653	-1.5430162	9.54891	3.27753	-1.5427271	0.00041963	No
						ll19	0.393973	3.04378	2.94969542	0.394973	3.04478	2.94651205	0.0133754	No
						ll1b	1.30078	11.9754	3.20262496	1.30178	11.9764	3.20163675	0.00180113	No
						ll1r1	0.232773	2.82769	3.60262834	0.233773	2.82869	3.59695386	0.0183813	No
						ll1rn	0.596769	3.69908	2.631922	0.597769	3.70008	2.62989648	0.00180113	No
						ll21r	152.824	6.82959	-4.4839283	152.825	6.83059	-4.4837266	0.00022079	No
						ll2ra	23.272	7.64061	-1.6068355	23.273	7.64161	-1.6067087	0.00645389	No
						ll2rb	78.2747	20.5447	-1.9297798	78.2757	20.5457	-1.929728	0.00022079	No
						ll2rg	496.334	22.1314	-4.4871447	496.335	22.1324	-4.4870824	0.00022079	No
						ll34	0.0884531	17.1439	7.59856692	0.0894531	17.1449	7.58243229	0.0424075	No
						ll4r	163.489	20.7515	-2.977906	163.49	20.7525	-2.9778453	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Il6r	57.2665	1.45818	-5.2954507	57.2675	1.45918	-5.2944869	0.00022079	No
						Il6st	29.3829	11.9225	-1.30129	29.3839	11.9235	-1.3012181	0.00022079	No
						Illdr1	0.301237	26.1647	6.44057892	0.302237	26.1657	6.43585276	0.00022079	No
						Illdr2	0	1.28384	inf	0.001	1.28484	10.327373	0.0144657	No
						Ilf2	42.2033	70.5312	0.74090577	42.2043	70.5322	0.74089204	0.0333701	No
						Ilvbl	6.53312	11.9361	0.86948748	6.53412	11.9371	0.86938754	0.0385511	No
						Immt	53.7983	141.185	1.39195433	53.7993	141.186	1.39193773	0.00022079	No
						Impa2	16.4929	61.6673	1.90266059	16.4939	61.6683	1.90259651	0.00022079	No
						Impact	92.362	11.5895	-2.9944811	92.363	11.5905	-2.9943722	0.00022079	No
						Impad1	4.77258	9.44148	0.98424365	4.77358	9.44248	0.98409419	0.00378481	No
						Impdh1	47.3823	8.27475	-2.5175606	47.3833	8.27575	-2.5174167	0.00022079	No
						Impdh2	285.247	70.296	-2.0206972	285.248	70.297	-2.0206817	0.00022079	No
						Inadl	6.33659	25.7108	2.02059592	6.33759	25.7118	2.02042438	0.00022079	No
						Ing1	75.7396	21.1272	-1.8419462	75.7406	21.1282	-1.841897	0.00022079	No
						Ing3	21.1453	5.49984	-1.9428755	21.1463	5.50084	-1.9426814	0.00022079	No
						Ing5	11.8382	7.13821	-0.7298155	11.8392	7.13921	-0.7297353	0.0490996	No
						Inip	22.7995	8.86043	-1.3635536	22.8005	8.86143	-1.363454	0.0387563	No
						Inmt	0	56.8314	inf	0.001	56.8324	15.794426	0.00022079	No
						Ino80	16.0705	5.08438	-1.6602711	16.0715	5.08538	-1.6600771	0.00022079	No
						Inpp4b	30.3671	3.38632	-3.1647189	30.3681	3.38732	-3.1643405	0.00113657	No
						Inpp5b	37.6387	12.2651	-1.6176578	37.6397	12.2661	-1.6175785	0.00818469	No
						Inpp5d	29.0452	3.22161	-3.172446	29.0462	3.22261	-3.1720479	0.00022079	No
						Inpp5j	0	21.2026	inf	0.001	21.2036	14.3720216	0.00022079	No
						Inpp5k	27.8585	11.9613	-1.2197434	27.8595	11.9623	-1.2196746	0.011893	No
						Insig2	5.35943	12.3445	1.20371693	5.36043	12.3455	1.20356463	0.00060553	No
						Insl3	93.1865	24.7279	-1.9139812	93.1875	24.7289	-1.9139384	0.00022079	No
						Ints10	22.9532	12.4756	-0.8795861	22.9542	12.4766	-0.8795333	0.035911	No
						INTS6	37.898	6.61625	-2.5180361	37.899	6.61725	-2.5178561	0.00022079	No
						Ip6k1	64.4867	27.2216	-1.2442498	64.4877	27.2226	-1.2442192	0.00022079	No
						Ip6k2	48.4427	21.4293	-1.1766946	48.4437	21.4303	-1.176657	0.00113657	No
						Ipcef1	26.4625	1.51497	-4.1265882	26.4635	1.51597	-4.1256908	0.00022079	No
						Ipmk	6.10005	21.0403	1.7862623	6.10105	21.0413	1.78609438	0.00022079	No
						Ipo9	29.4495	9.60249	-1.6167627	29.4505	9.60349	-1.6166614	0.00022079	No
						Iqcb1	7.31424	3.74292	-0.9665438	7.31524	3.74392	-0.9663556	0.0402662	No
						IQCD	0	15.6927	inf	0.001	15.6937	13.9378979	0.00022079	No
						Iqce	0.956109	6.6128	2.79001426	0.957109	6.6138	2.78872428	0.00164037	No
						Iqch	11.6756	39.9322	1.77405587	11.6766	39.9332	1.77396843	0.00164037	No
						Iqgap1	58.0582	22.1036	-1.3932185	58.0592	22.1046	-1.3931781	0.00022079	No
						Iqgap2	44.1125	7.47616	-2.5608182	44.1135	7.47716	-2.5606579	0.00022079	No
						Iqgap3	0.0743586	1.07255	3.85040149	0.0753586	1.07355	3.83247341	0.023492	No
						Iqsec1	2.5442	48.6322	4.25662787	2.5452	48.6332	4.25609059	0.00022079	No
						Iqsec2	0.674434	5.93525	3.13755963	0.675434	5.93625	3.13566514	0.00078858	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Irak1	44.6358	26.3734	-0.7591177	44.6368	26.3744	-0.7590953	0.023492	No
						IRAK1BP1	0.429754	16.6043	5.27190203	0.430754	16.6053	5.26863578	0.00041963	No
						Irak3	16.3461	5.10313	-1.6794922	16.3471	5.10413	-1.6792977	0.00060553	No
						Irak4	13.3841	6.89494	-0.9569102	13.3851	6.89594	-0.9568088	0.0321597	No
						Ireb2	17.4344	9.37716	-0.8947138	17.4354	9.37816	-0.8946427	0.00738919	No
						Irf1	86.4379	39.0208	-1.1474207	86.4389	39.0218	-1.1474004	0.0414961	No
						Irf2	90.7672	12.9628	-2.8077937	90.7682	12.9638	-2.8076983	0.00022079	No
						Irf9	55.9486	17.4132	-1.6839207	55.9496	17.4142	-1.6838636	0.00304332	No
						Irs1	0.470142	1.42035	1.59507801	0.471142	1.42135	1.593028	0.0192929	No
						IscA1	31.4652	73.6422	1.22677561	31.4662	73.6432	1.22674935	0.00022079	No
						IscA2	30.3311	72.4919	1.25702198	30.3321	72.4929	1.25699432	0.0450008	No
						Iscu	50.4968	238.213	2.23798828	50.4978	238.214	2.23796576	0.00022079	No
						IsoC1	14.1516	46.821	1.72619057	14.1526	46.822	1.72611944	0.00022079	No
						IsoC2b	14.6079	77.5423	2.40823473	14.6089	77.5433	2.40815458	0.00022079	No
						Ily1	80.3783	35.9436	-1.1610712	80.3793	35.9446	-1.161049	0.00113657	No
						Itch	28.3211	15.0053	-0.9164051	28.3221	15.0063	-0.9163599	0.00645389	No
						Itfg1	6.90933	30.8225	2.15736616	6.91033	30.8235	2.15720418	0.00022079	No
						Itfg3	1.61007	48.4352	4.91086058	1.61107	48.4362	4.9099946	0.00022079	No
						Itga1	11.5609	47.2161	2.03002517	11.5619	47.2171	2.02993094	0.00022079	No
						Itga2b	2.17928	4.64166	1.09078928	2.18028	4.64266	1.09043821	0.0320442	No
						Itga3	2.07771	29.0011	3.80304142	2.07871	29.0021	3.80239696	0.00022079	No
						Itga4	86.6233	1.11913	-6.2743056	86.6243	1.12013	-6.2730337	0.00022079	No
						Itga5	0.084143	2.45681	4.86779922	0.085143	2.45781	4.85134166	0.00147497	No
						Itgav	5.22218	27.4617	2.39469685	5.22318	27.4627	2.39447314	0.00022079	No
						Itgb2	111.605	4.87483	-4.5169059	111.606	4.87583	-4.516623	0.00022079	No
						Itgb3	18.1356	5.94931	-1.6080302	18.1366	5.95031	-1.6078673	0.018847	No
						Itgb6	0	14.2639	inf	0.001	14.2649	13.800182	0.00022079	No
						Itgb7	118.047	18.7123	-2.6573026	118.048	18.7133	-2.6572377	0.00022079	No
						Itgb8	0.138802	7.22191	5.70128018	0.139802	7.22291	5.69112329	0.00022079	No
						Itih3	0.570319	7.28376	3.67484238	0.571319	7.28476	3.67251303	0.00227055	No
						Itih5	0	30.2728	inf	0.001	30.2738	14.8857822	0.00022079	No
						Itk	119.726	3.55185	-5.075022	119.727	3.55285	-5.0746279	0.00022079	No
						Itm2a	77.8742	3.56218	-4.4503131	77.8752	3.56318	-4.4499267	0.00022079	No
						Itm2b	398.738	825.055	1.04904919	398.739	825.056	1.04904732	0.0411953	No
						Itm2c	53.5978	217.576	2.02127374	53.5988	217.577	2.02125345	0.00022079	No
						Itpkc	2.02171	4.5013	1.15476565	2.02271	4.5023	1.1543727	0.0231371	No
						Itpr2	14.3774	2.08452	-2.7860157	14.3784	2.08552	-2.7854241	0.00022079	No
						Itpr3	32.501	15.5717	-1.0615577	32.502	15.5727	-1.0615094	0.00988585	No
						Itns1	16.2463	322.157	4.30958085	16.2473	322.158	4.30949653	0.00022079	No
						Ivd	20.3522	58.0848	1.51297593	20.3532	58.0858	1.51292988	0.00022079	No
						IVNS1ABP_PREDICTED	44.7828	220.179	2.29766024	44.7838	220.18	2.29763457	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lyd	0	12.0408	inf	0.001	12.0418	13.5557634	0.00022079	No
						Izumo4	17.2981	2.12104	-3.0277698	17.2991	2.12204	-3.0271732	0.00685176	No
						Jag2	0.245959	6.04645	4.6195986	0.246959	6.04745	4.61398348	0.00022079	No
						Jak1	248.735	28.2105	-3.1403054	248.736	28.2115	-3.14026	0.00022079	No
						Jak2	39.3181	6.60143	-2.5743431	39.3191	6.60243	-2.5741613	0.00022079	No
						Jakmip1	53.3652	5.05572	-3.3999108	53.3662	5.05672	-3.3996525	0.00022079	No
						Jkamp	11.3624	23.9311	1.07461911	11.3634	23.9321	1.07455243	0.0103977	No
						Jmjd7	9.21942	4.54654	-1.0199069	9.22042	4.54754	-1.0197461	0.0228245	No
						Jun	34.1169	204.491	2.58347888	34.1179	204.492	2.58344365	0.00022079	No
						Jund	268.212	144.713	-0.8901793	268.213	144.714	-0.8901747	0.00632443	No
						Jup	25.5538	46.504	0.86381697	25.5548	46.505	0.86379154	0.0083198	No
						Kalrn	0.0232749	16.746	9.49082585	0.0242749	16.747	9.43022161	0.0100165	No
						Kank1	0.100246	33.8712	8.40037062	0.101246	33.8722	8.38609297	0.00022079	No
						Kank2	0.35537	13.364	5.23288618	0.35637	13.365	5.22894013	0.00022079	No
						Kank3	0.878078	5.69078	2.6962054	0.879078	5.69178	2.69481681	0.0200735	No
						Kank4	0.0653462	1.01053	3.950865	0.0663462	1.01153	3.93038146	0.00765035	No
						Kansl1	101.946	21.6241	-2.2370932	101.947	21.6251	-2.2370406	0.00022079	No
						Kansl1l	3.26862	16.3486	2.32241353	3.26962	16.3496	2.32206046	0.0238376	No
						Kat6a	24.7606	6.93973	-1.8350948	24.7616	6.94073	-1.8349452	0.00022079	No
						Kat7	34.2811	16.0569	-1.09422	34.2821	16.0579	-1.0941723	0.00113657	No
						Katna1	24.2958	11.3519	-1.0977732	24.2968	11.3529	-1.0977054	0.00211842	No
						Kbtbd11	43.1428	4.82309	-3.1610902	43.1438	4.82409	-3.1608245	0.00022079	No
						Kbtbd2	43.0452	10.1907	-2.0785992	43.0462	10.1917	-2.0784912	0.00022079	No
						Kcnab2	58.7267	5.80387	-3.3389295	58.7277	5.80487	-3.3387055	0.00022079	No
						Kcne1	0	2.14414	inf	0.001	2.14514	11.0668561	0.00962607	No
						Kcne3	0	1.23728	inf	0.001	1.23828	10.2741219	0.00022079	No
						Kcng4	0.588946	2.18814	1.89349778	0.589946	2.18914	1.89170941	0.00242102	No
						Kcnip3	0	2.64687	inf	0.001	2.64787	11.3706166	0.00022079	No
						Kcnj1	0.0153726	102.866	12.7081174	0.0163726	102.867	12.6172092	0.00022079	No
						Kcnk1	0.137512	64.6022	8.87588196	0.138512	64.6032	8.86545085	0.00060553	No
						Kcnk6	8.1311	2.47334	-1.71699	8.1321	2.47434	-1.7165842	0.00318754	No
						Kcnt1	0	109.796	inf	0.001	109.797	16.7444791	0.00022079	No
						Kctd1	4.24127	44.7014	3.39775178	4.24227	44.7024	3.39744394	0.00022079	No
						Kctd13	2.89122	7.35474	1.34699595	2.89222	7.35574	1.34669319	0.00896558	No
						Kctd14	0.0518226	3.53215	6.0908214	0.0528226	3.53315	6.06365588	0.0417961	No
						Kctd17	0.638871	24.5551	5.26435423	0.639871	24.5561	5.26215656	0.00022079	No
						Kctd18	28.7939	9.39219	-1.6162297	28.7949	9.39319	-1.6161262	0.00022079	No
						Kctd20	18.0909	4.98942	-1.8583202	18.0919	4.99042	-1.8581108	0.00022079	No
						Kctd6	4.49007	24.6088	2.45436447	4.49107	24.6098	2.45410182	0.00022079	No
						Kdelc2	2.85703	12.7556	2.15854267	2.85803	12.7566	2.1581509	0.00022079	No
						Kdelr1	31.7475	83.7631	1.39967185	31.7485	83.7641	1.39964363	0.00022079	No
						Kdelr2	14.767	27.8071	0.91307653	14.768	27.8081	0.91303072	0.0238376	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kdm1b	25.0639	7.23039	-1.7934655	25.0649	7.23139	-1.7933236	0.00022079	No
						KDM2B	11.9226	6.07985	-0.9715912	11.9236	6.08085	-0.971475	0.0114056	No
						Kdm3a	57.0378	14.6612	-1.9599151	57.0388	14.6622	-1.959842	0.00022079	No
						Kdm3b	26.3827	8.55026	-1.625552	26.3837	8.55126	-1.625438	0.00022079	No
						Kdm4a	37.2243	12.2247	-1.6064457	37.2253	12.2257	-1.6063664	0.00022079	No
						Kdm4b	23.1758	10.8819	-1.0906887	23.1768	10.8829	-1.0906183	0.0142227	No
						Kdm5a	33.4172	8.22725	-2.0221087	33.4182	8.22825	-2.0219765	0.00022079	No
						Kdm5b	17.3618	9.07225	-0.9363842	17.3628	9.07325	-0.9363083	0.00451708	No
						Kdm5c	13.1924	7.52181	-0.8105553	13.1934	7.52281	-0.8104728	0.0450883	No
						Kdm6a	24.9237	6.37096	-1.9679356	24.9247	6.37196	-1.967767	0.00022079	No
						Kdm7a	16.649	3.01504	-2.4651865	16.65	3.01604	-2.4647947	0.00022079	No
						Kdr	0.0639825	2.59762	5.34336922	0.0649825	2.59862	5.32155062	0.00164037	No
						Khdrbs1	77.1338	33.6229	-1.197919	77.1348	33.6239	-1.1978948	0.00022079	No
						Khyn	81.569	30.4699	-1.4206362	81.57	30.4709	-1.4206065	0.0175851	No
						Khsrp	38.8775	19.0109	-1.0321086	38.8785	19.0119	-1.0320698	0.0192929	No
						Kidins220	32.0335	13.8316	-1.2116134	32.0345	13.8326	-1.2115541	0.00078858	No
						Kif11	0.916479	4.73277	2.36851108	0.917479	4.73377	2.36724257	0.00022079	No
						Kif13b	7.06402	13.6276	0.94797017	7.06502	13.6286	0.94787182	0.0170023	No
						Kif15	3.63819	1.01795	-1.8375542	3.63919	1.01895	-1.8365341	0.00078858	No
						Kif16b	3.06472	9.13306	1.57534304	3.06572	9.13406	1.57503033	0.00022079	No
						Kif18b	0.273346	0.903605	1.72496399	0.274346	0.904605	1.72129143	0.0250666	No
						Kif1c	11.7118	107.769	3.20190752	11.7128	107.77	3.20179772	0.00022079	No
						Kif21a	0.0308844	10.3769	8.3922815	0.0318844	10.3779	8.34644809	0.00022079	No
						Kif21b	58.514	2.8071	-4.3816295	58.515	2.8081	-4.3811403	0.00022079	No
						Kif26a	0	2.9974	inf	0.001	2.9984	11.5499771	0.00022079	No
						Kif2a	21.1639	7.72723	-1.4535823	21.1649	7.72823	-1.4534637	0.00508519	No
						Kif9	0.0450299	1.88761	5.38953364	0.0460299	1.88861	5.3586097	0.0279776	No
						Kifap3	4.38289	22.6491	2.36949935	4.38389	22.6501	2.36923392	0.00022079	No
						Kifc1	3.4869	7.18986	1.04401869	3.4879	7.19086	1.04380564	0.0365427	No
						Kifc3	0.683118	77.9979	6.83515666	0.684118	77.9989	6.83306478	0.00022079	No
						Kirrel	0	2.16515	inf	0.001	2.16615	11.0809174	0.00022079	No
						Kit	0.145801	1.34586	3.20645582	0.146801	1.34686	3.1976662	0.0117698	No
						Kitlg	0.23824	11.604	5.60606273	0.23924	11.605	5.60014409	0.00022079	No
						Klc2	13.876	30.7208	1.14662404	13.877	30.7218	1.14656703	0.00130998	No
						Klc4	11.8445	54.9418	2.21368688	11.8455	54.9428	2.21359134	0.00022079	No
						Klf10	2.67134	8.17982	1.61450549	2.67234	8.18082	1.61414189	0.00022079	No
						Klf11	15.2611	5.56444	-1.4555505	15.2621	5.56544	-1.4553858	0.00022079	No
						Klf12	10.2641	1.50337	-2.7713351	10.2651	1.50437	-2.7705163	0.00022079	No
						Klf13	58.2203	8.23026	-2.8225124	58.2213	8.23126	-2.8223619	0.00022079	No
						Klf3	77.2587	24.1435	-1.6780626	77.2597	24.1445	-1.6780215	0.00022079	No
						Klf4	1.55865	25.3867	4.02570396	1.55965	25.3877	4.02483548	0.00022079	No
						KLF7	7.28909	2.8711	-1.3441351	7.29009	2.8721	-1.3438306	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Klf9	51.5479	21.3794	-1.2696923	51.5489	21.3804	-1.2696528	0.00022079	No
						KLHDC1	11.7991	2.2102	-2.416428	11.8001	2.2112	-2.4158977	0.00022079	No
						Klhdc10	6.65592	19.2039	1.52868933	6.65692	19.2049	1.52854772	0.00022079	No
						KLHDC2	75.845	26.9548	-1.4925119	75.846	26.9558	-1.4924774	0.00022079	No
						Klhdc4	15.7157	28.7759	0.87265452	15.7167	28.7769	0.87261286	0.0283842	No
						Klhdc7a	0	17.3959	inf	0.001	17.3969	14.0865426	0.00022079	No
						Klhl11	7.67694	2.58195	-1.5720703	7.67794	2.58295	-1.5716996	0.00551024	No
						Klhl13	0.0751172	2.12283	4.82070174	0.0761172	2.12383	4.80230199	0.0131304	No
						Klhl14	0.113622	7.17458	5.98058027	0.114622	7.17558	5.96813957	0.0278747	No
						Klhl2	34.1984	18.4542	-0.8899796	34.1994	18.4552	-0.8899436	0.0127657	No
						Klhl23	0.129755	0.84061	2.69564649	0.130755	0.84161	2.68628573	0.0267305	No
						Klhl25	3.19608	9.33071	1.54568334	3.19708	9.33171	1.54538663	0.00022079	No
						Klhl26	0.578331	3.18282	2.46033823	0.579331	3.18382	2.458299	0.00022079	No
						Klhl28	5.38606	1.40799	-1.9355932	5.38706	1.40899	-1.9348368	0.00060553	No
						Klhl42	22.0057	55.1934	1.3266185	22.0067	55.1944	1.32657908	0.00227055	No
						Klhl6	46.7641	1.02579	-5.5105941	46.7651	1.02679	-5.5092192	0.00022079	No
						Klhl9	9.849	19.0849	0.95438247	9.85	19.0859	0.95431159	0.00508519	No
						Klk1	0	92.362	inf	0.001	92.363	16.4950274	0.00022079	No
						Klk1b3	0	121.437	inf	0.001	121.438	16.8898604	0.00022079	No
						Klk1c10	0	7.87189	inf	0.001	7.87289	12.9426776	0.00022079	No
						Klra17	8.90638	26.4445	1.57005663	8.90738	26.4455	1.5699492	0.0112749	No
						Klrb1c	63.6423	2.31166	-4.7829848	63.6433	2.31266	-4.7823836	0.00022079	No
						Klrc1	1.78358	0.155393	-3.5207825	1.78458	0.156393	-3.5123367	0.0112749	No
						Klrd1	76.7679	12.9644	-2.5659477	76.7689	12.9654	-2.5658553	0.00022079	No
						Klrg2	0.148411	4.38899	4.88621905	0.149411	4.38999	4.87685938	0.0399581	No
						Klrk1	175.441	8.1071	-4.4356562	175.442	8.1081	-4.4354865	0.00022079	No
						Kmt2a	17.6315	4.98384	-1.8228256	17.6325	4.98484	-1.8226179	0.00022079	No
						Kmt2b	24.713	7.72093	-1.6784236	24.714	7.72193	-1.6782952	0.00242102	No
						Kmt2c	41.3042	9.41221	-2.1336831	41.3052	9.41321	-2.1335647	0.00022079	No
						Kmt2e	56.3148	17.2004	-1.711072	56.3158	17.2014	-1.7110138	0.00078858	No
						KNG1L1	0	131.197	inf	0.001	131.198	17.0013862	0.00022079	No
						Kpna1	31.4961	7.68784	-2.034523	31.4971	7.68884	-2.0343811	0.00022079	No
						Kpna5	18.1892	4.87255	-1.9003332	18.1902	4.87355	-1.9001165	0.00022079	No
						KPTN	12.42	22.3404	0.84698984	12.421	22.3414	0.84693827	0.0213411	No
						Kri1	47.1301	15.7715	-1.5793289	47.1311	15.7725	-1.579268	0.0399581	No
						Krit1	29.2015	10.2473	-1.5107986	29.2025	10.2483	-1.5107073	0.00022079	No
						Krt14	0	10.3454	inf	0.001	10.3464	13.3368413	0.00022079	No
						Krt15	0	34.8299	inf	0.001	34.8309	15.0880801	0.00022079	No
						Krt17	0	1.28377	inf	0.001	1.28477	10.3272944	0.00022079	No
						Krt18	2.5668	63.3931	4.62628303	2.5678	63.3941	4.62574383	0.00022079	No
						Krt23	0	9.83192	inf	0.001	9.83292	13.2634042	0.00022079	No
						Krt5	0.00680611	7.61803	10.1283718	0.00780611	7.61903	9.93078783	0.0340153	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Krt80	0	10.4809	inf	0.001	10.4819	13.3556126	0.00022079	No
						Kynu	0.176774	11.3445	6.00394312	0.177774	11.3455	5.99593204	0.00078858	No
						L1cam	4.05078	26.2804	2.6977156	4.05178	26.2814	2.69741438	0.00022079	No
						L2hgdh	2.15548	5.02903	1.22227098	2.15648	5.03003	1.22188867	0.0149559	No
						L3mbtl2	35.3108	17.0717	-1.0485028	35.3118	17.0727	-1.0484591	0.00579147	No
						L3mbtl3	62.3028	3.93975	-3.983121	62.3038	3.94075	-3.982778	0.00022079	No
						Lace1	4.06727	28.5422	2.81096387	4.06827	28.5432	2.81065975	0.00022079	No
						Lactb	7.9263	30.6272	1.950094	7.9273	30.6282	1.9499591	0.00022079	No
						Lad1	0	94.9368	inf	0.001	94.9378	16.534695	0.00022079	No
						Lage3	37.5271	72.7297	0.95461182	37.5281	72.7307	0.95459321	0.0103977	No
						Lama2	1.42781	0.273584	-2.3837482	1.42881	0.274584	-2.3794946	0.00645389	No
						Lamp1	98.4097	244.349	1.31207077	98.4107	244.35	1.31206201	0.00041963	No
						Lamp2	25.0393	76.6217	1.6135588	25.0403	76.6227	1.61352002	0.00022079	No
						Lamtor1	54.2025	125.164	1.20738837	54.2035	125.165	1.20737328	0.00041963	No
						Lamtor3	16.4856	27.8103	0.75441291	16.4866	27.8113	0.75437728	0.0487223	No
						Lamtor4	47.1095	148.115	1.65262783	47.1105	148.116	1.65260694	0.00022079	No
						Lamtor5	55.2327	121.129	1.13294975	55.2337	121.13	1.13293554	0.00227055	No
						Lap3	19.8325	53.2582	1.42513712	19.8335	53.2592	1.42509147	0.00022079	No
						Laptm4a	89.0177	260.568	1.54949579	89.0187	260.569	1.54948512	0.00022079	No
						Laptm5	622.882	64.5643	-3.2701503	622.883	64.5653	-3.2701303	0.00022079	No
						Larp1	53.962	22.178	-1.2828146	53.963	22.179	-1.2827762	0.00060553	No
						Larp1b	32.1204	14.7475	-1.1230194	32.1214	14.7485	-1.1229665	0.00041963	No
						Lars	33.445	14.4514	-1.2105813	33.446	14.4524	-1.2105246	0.00022079	No
						LAS2	4.80837	1.45412	-1.7254016	4.80937	1.45512	-1.7247098	0.0138632	No
						Layn	0.123589	1.42597	3.52832138	0.124589	1.42697	3.5177064	0.0407797	No
						Lbp	0.144032	2.99173	4.3765187	0.145032	2.99273	4.36701897	0.011657	No
						Lbr	66.73	7.15261	-3.2217938	66.731	7.15361	-3.2216138	0.00022079	No
						Lcat	6.68633	19.008	1.50732028	6.68733	19.009	1.50718042	0.00060553	No
						Lck	501.939	31.305	-4.003047	501.94	31.306	-4.0030038	0.00022079	No
						Lclat1	2.34366	10.4685	2.15921954	2.34466	10.4695	2.15874191	0.00096553	No
						Lcn2	0.148853	152.844	10.0039559	0.149853	152.845	9.99430568	0.00130998	No
						Lcor	13.2363	3.84605	-1.7830505	13.2373	3.84705	-1.7827844	0.00022079	No
						Lcp1	378.329	28.4165	-3.7348406	378.33	28.4175	-3.7347936	0.00022079	No
						Lcp2	97.0678	6.55257	-3.88886	97.0688	6.55357	-3.8886547	0.00022079	No
						Ldb1	290.861	24.7968	-3.552104	290.862	24.7978	-3.5520508	0.00022079	No
						Ldb2	0	3.23365	inf	0.001	3.23465	11.6593939	0.00022079	No
						Ldhd	7.93378	864.011	6.76689748	7.93478	864.012	6.76671732	0.00022079	No
						Ldhd	0.929258	37.494	5.33443673	0.930258	37.495	5.33292352	0.00022079	No
						Ldlr	1.44775	8.51565	2.55630416	1.44875	8.51665	2.5554774	0.00022079	No
						Ldlrad1	5.75795	2.30504	-1.3207635	5.75895	2.30604	-1.3203883	0.0136242	No
						Ldlrap1	152.984	8.79402	-4.1207142	152.985	8.79502	-4.1205595	0.00022079	No
						Lect2	0	1.46988	inf	0.001	1.47088	10.5224638	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lef1	202.818	5.52392	-5.1983495	202.819	5.52492	-5.1980954	0.00022079	No
						Lemd3	12.0878	5.34009	-1.1786157	12.0888	5.34109	-1.1784649	0.00363736	No
						Leng8	213.802	36.5175	-2.5496154	213.803	36.5185	-2.5495827	0.00022079	No
						Lepre1	4.68787	14.8846	1.66681598	4.68887	14.8856	1.66660519	0.00060553	No
						Leprel1	0	24.036	inf	0.001	24.037	14.5529692	0.00022079	No
						Leprel2	0.165836	42.4986	8.00151428	0.166836	42.4996	7.99287482	0.00022079	No
						Lfng	47.3618	4.53861	-3.3834015	47.3628	4.53961	-3.3831141	0.00022079	No
						Lgals1	469.223	217.339	-1.1103267	469.224	217.34	-1.1103231	0.00060553	No
						Lgals3	1.90521	68.8092	5.17457954	1.90621	68.8102	5.17384347	0.00022079	No
						Lgals8	13.089	21.8114	0.7367275	13.09	21.8124	0.73668342	0.0471951	No
						Lgals9	183.578	32.5101	-2.4974333	183.579	32.5111	-2.4973968	0.00022079	No
						Lgmn	74.8287	168.775	1.1734376	74.8297	168.776	1.17342687	0.00022079	No
						Lgr4	0.514051	28.0108	5.76792788	0.515051	28.0118	5.76517559	0.00022079	No
						Lhfp	0.069606	9.96741	7.16186319	0.070606	9.96841	7.14142881	0.0346416	No
						Lhx1	0	2.87984	inf	0.001	2.88084	11.4922738	0.00022079	No
						Lias	3.84455	18.7315	2.28457979	3.84555	18.7325	2.2842816	0.00022079	No
						Lifr	0.0454868	46.0364	9.98311136	0.0464868	46.0374	9.95176952	0.00870822	No
						Lig4	48.4131	10.0507	-2.2681015	48.4141	10.0517	-2.2679878	0.00022079	No
						Lilrb4	2.73921	45.6034	4.05730961	2.74021	45.6044	4.05681466	0.00022079	No
						Lima1	0.440625	11.466	4.70166702	0.441625	11.467	4.69852235	0.00765035	No
						Limch1	0	11.6318	inf	0.001	11.6328	13.5059108	0.00022079	No
						Limd2	756.392	57.2301	-3.7242881	756.393	57.2311	-3.7242648	0.00022079	No
						Lims1	23.095	13.4955	-0.7751021	23.096	13.4965	-0.7750577	0.0286013	No
						Lin52	7.43575	19.6826	1.40437064	7.43675	19.6836	1.40424992	0.0238376	No
						Lin54	4.76713	2.31506	-1.0420714	4.76813	2.31606	-1.0417509	0.0270805	No
						Lix1l	2.03224	5.20885	1.3578941	2.03324	5.20985	1.35746132	0.00618779	No
						Llg12	9.2077	43.7981	2.24995555	9.2087	43.7991	2.24983182	0.00022079	No
						Lman1	8.47705	25.2117	1.5724592	8.47805	25.2127	1.57234624	0.00363736	No
						Lman2l	9.87705	19.8951	1.01026103	9.87805	19.8961	1.01018749	0.00845215	No
						Lmcd1	0	9.55222	inf	0.001	9.55322	13.2217714	0.00022079	No
						Lmna	1.33451	32.3057	4.59740671	1.33551	32.3067	4.59637071	0.00022079	No
						Lmnb1	11.3308	4.20388	-1.4304563	11.3318	4.20488	-1.4302405	0.00147497	No
						Lmnb2	10.4432	5.49818	-0.9255378	10.4442	5.49918	-0.9254136	0.0133754	No
						Lmo1	0	3.04832	inf	0.001	3.04932	11.5742718	0.00022079	No
						Lmo2	2.89125	12.2476	2.08273381	2.89225	12.2486	2.08235269	0.00147497	No
						Lmo7	2.32101	42.9085	4.20843882	2.32201	42.9095	4.207851	0.00022079	No
						Lnx2	15.9476	5.21532	-1.6125116	15.9486	5.21632	-1.6123255	0.00022079	No
						Lonp2	18.746	74.7771	1.99601373	18.747	74.7781	1.99595607	0.0019604	No
						Lonrf1	0.191323	1.14114	2.57639357	0.192323	1.14214	2.57013629	0.0320442	No
						Lpar3	0	1.7978	inf	0.001	1.7988	10.8128191	0.00022079	No
						Lpar6	51.375	10.8599	-2.2420557	51.376	10.8609	-2.2419509	0.00060553	No
						Lpcat1	12.8674	6.0478	-1.0892382	12.8684	6.0488	-1.0891118	0.0107821	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lpcat4	18.7973	5.98733	-1.6505408	18.7983	5.98833	-1.6503766	0.00022079	No
						Lpgat1	4.69358	12.6058	1.42532702	4.69458	12.6068	1.42513412	0.00147497	No
						Lphn1	12.5204	5.07587	-1.3025536	12.5214	5.07687	-1.3023847	0.00022079	No
						Lphn2	0.07882	6.32925	6.32732899	0.07982	6.33025	6.30936839	0.00022079	No
						Lphn3	0	0.885164	inf	0.001	0.886164	9.79142991	0.00022079	No
						Lpin1	27.0551	5.84161	-2.2114626	27.0561	5.84261	-2.211269	0.00618779	No
						Lpxn	118.233	7.64474	-3.9510215	118.234	7.64574	-3.950845	0.00022079	No
						Lrch1	11.6342	5.44225	-1.0960969	11.6352	5.44325	-1.0959558	0.012511	No
						Lrch3	19.1355	7.77031	-1.3002075	19.1365	7.77131	-1.3000973	0.00041963	No
						Lrch4	82.1763	21.8392	-1.9118024	82.1773	21.8402	-1.9117539	0.00022079	No
						Lrig1	58.0558	4.94125	-3.5544922	58.0568	4.94225	-3.5542252	0.00022079	No
						Lrig2	10.5206	3.25441	-1.6927491	10.5216	3.25541	-1.692443	0.0336988	No
						LRIG3	0.110001	5.15024	5.54905112	0.111001	5.15124	5.53627518	0.0249599	No
						Lrmp	38.7115	9.45188	-2.034089	38.7125	9.45288	-2.0339736	0.00096553	No
						Lrp1	0.182811	1.43452	2.9721433	0.183811	1.43552	2.96527842	0.00022079	No
						Lrp12	0.177658	3.82481	4.42821352	0.178658	3.82581	4.42049281	0.00164037	No
						Lrp5	1.73899	37.4265	4.4277386	1.73999	37.4275	4.42694777	0.00022079	No
						Lrpap1	10.7946	86.7701	3.00688821	10.7956	86.7711	3.00677119	0.00022079	No
						Lrrc1	10.0467	19.938	0.988799	10.0477	19.939	0.98872776	0.0128843	No
						Lrrc19	0.099637	7.95381	6.31882071	0.100637	7.95481	6.30459475	0.01483	No
						Lrrc25	0.16816	3.01573	4.16460079	0.16916	3.01673	4.15652521	0.00180113	No
						Lrrc29	0.747965	2.8781	1.94407405	0.748965	2.8791	1.94264769	0.0197348	No
						Lrrc34	24.1791	1.58043	-3.9353715	24.1801	1.58143	-3.9345186	0.00022079	No
						Lrrc39	6.25391	1.67418	-1.9013038	6.25491	1.67518	-1.900673	0.0196176	No
						Lrrc58	0.46692	10.4787	4.48814055	0.46792	10.4797	4.48519171	0.00147497	No
						Lrrc59	14.438	28.303	0.97108407	14.439	28.304	0.97103512	0.00273202	No
						Lrrc61	0.154727	1.71979	3.47443554	0.155727	1.72079	3.46598004	0.0247343	No
						Lrrc66	0.0709251	5.25621	6.21158283	0.0719251	5.25721	6.19165823	0.0019604	No
						Lrrc8a	32.6729	115.843	1.82600445	32.6739	115.844	1.82597275	0.00180113	No
						Lrrc8b	32.9624	4.76928	-2.7889779	32.9634	4.77028	-2.7887192	0.00022079	No
						Lrrc8c	44.529	3.57184	-3.6400059	44.53	3.57284	-3.6396344	0.00022079	No
						Lrrfip2	11.4053	27.0154	1.24407765	11.4063	27.0164	1.24400456	0.00180113	No
						Lrrk1	0.321946	11.9986	5.21990355	0.322946	11.9996	5.21554955	0.00022079	No
						Lrrk2	0.644749	10.2636	3.99265541	0.645749	10.2646	3.99056009	0.00318754	No
						Lrsam1	2.34545	16.5314	2.81727226	2.34645	16.5324	2.81674455	0.00113657	No
						Lrtm2	0.190517	5.37784	4.81903519	0.191517	5.37884	4.81175071	0.00147497	No
						Lrwd1	45.5209	8.71083	-2.385647	45.5219	8.71183	-2.3855131	0.00392909	No
						Lsm14a	70.8875	28.8299	-1.2979654	70.8885	28.8309	-1.2979357	0.00022079	No
						Lsm14b	51.7604	18.2016	-1.5077835	51.7614	18.2026	-1.5077321	0.00022079	No
						Lsm5	146.816	79.9146	-0.8774782	146.817	79.9156	-0.87747	0.0200735	No
						LSP1	213.287	48.3709	-2.1405847	213.288	48.3719	-2.1405617	0.00022079	No
						Lsr	1.69925	43.6108	4.68171543	1.70025	43.6118	4.68089974	0.00180113	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lta4h	14.9899	26.253	0.80849153	14.9909	26.254	0.80845025	0.0265154	No
						Ltb	353.462	20.1396	-4.1334482	353.463	20.1406	-4.1333806	0.0261671	No
						Ltbp1	0.0529852	12.2316	7.85080798	0.0539852	12.2326	7.82395141	0.00211842	No
						Ltn1	18.495	8.61867	-1.1015981	18.496	8.61967	-1.1015088	0.0132548	No
						Luc7l	42.0764	22.5183	-0.9019134	42.0774	22.5193	-0.9018836	0.0381059	No
						Luc7l3	96.9901	46.6748	-1.0551937	96.9911	46.6758	-1.0551776	0.00257873	No
						Lurap1	0	1.85818	inf	0.001	1.85918	10.8604507	0.00022079	No
						Ly6al	0.667083	18.7275	4.81114824	0.668083	18.7285	4.8090642	0.00041963	No
						Ly6c	279.991	91.3947	-1.615198	279.992	91.3957	-1.6151874	0.00022079	No
						Ly6e	597.197	168.082	-1.8290417	597.198	168.083	-1.8290355	0.00022079	No
						Ly6i	0.0765975	99.3729	10.3413394	0.0775975	99.3739	10.3226411	0.0344255	No
						Ly75	7.81389	0.479308	-4.027016	7.81489	0.480308	-4.0241938	0.00022079	No
						Ly9	84.0014	2.23455	-5.2323571	84.0024	2.23555	-5.2317288	0.00022079	No
						Lyar	19.6997	9.82918	-1.0030307	19.7007	9.83018	-1.0029572	0.0110257	No
						Lyn	3.14055	11.5639	1.88053889	3.14155	11.5649	1.88020434	0.00022079	No
						Lynx1	0.296706	13.5417	5.51223095	0.297706	13.5427	5.50748329	0.00480115	No
						Lypd1	0.0601743	6.90754	6.84288075	0.0611743	6.90854	6.81931136	0.0394543	No
						Lypd3	0.542269	2.99539	2.46566325	0.543269	2.99639	2.46348678	0.00113657	No
						Lyplal1	0.59478	25.6688	5.43151591	0.59578	25.6698	5.42914855	0.00147497	No
						Lyrn2	16.3105	27.0545	0.73006757	16.3115	27.0555	0.73003245	0.0352839	No
						Lyrn7	3.4973	11.7141	1.74393265	3.4983	11.7151	1.74364335	0.00022079	No
						Lyrn9	4.21014	12.8497	1.60979456	4.21114	12.8507	1.6095642	0.0249599	No
						Lysmd2	8.2639	3.15471	-1.3893154	8.2649	3.15571	-1.3890327	0.0217988	No
						Lysmd3	7.86013	3.7147	-1.0813075	7.86113	3.7157	-1.0811027	0.011657	No
						Lyve1	0.0642307	1.28447	4.32176637	0.0652307	1.28547	4.30060102	0.0100165	No
						Lyz2	41.327	225.36	2.44707492	41.328	225.361	2.44704642	0.00022079	No
						Lzic	17.0683	8.13106	-1.069804	17.0693	8.13206	-1.0697111	0.00422081	No
						Lztf1	3.05214	16.7275	2.4543288	3.05314	16.7285	2.45394244	0.00022079	No
						Lzts2	3.758	17.8647	2.24907472	3.759	17.8657	2.24877162	0.00022079	No
						MacroD1	1.07625	85.4045	6.31022695	1.07725	85.4055	6.30890398	0.00022079	No
						Mad1l1	15.3114	7.59766	-1.0109791	15.3124	7.59866	-1.0108835	0.0228245	No
						Madd	38.8816	11.7742	-1.7234585	38.8826	11.7752	-1.7233731	0.00022079	No
						Maea	36.807	132.067	1.84321795	36.808	132.068	1.84318968	0.00022079	No
						Maf	5.80688	36.1983	2.64008682	5.80788	36.1993	2.63987825	0.00022079	No
						Maf1	149.225	65.546	-1.1869096	149.226	65.547	-1.1868973	0.00466383	No
						Mafg	2.88987	11.8863	2.0402232	2.89087	11.8873	2.03984543	0.00022079	No
						Maged2	3.74819	19.2515	2.36070487	3.74919	19.2525	2.36039495	0.00022079	No
						Mageh1	1.48199	20.5779	3.79548814	1.48299	20.5789	3.79458509	0.00022079	No
						Magi1	0.335046	9.49129	4.82417309	0.336046	9.49229	4.82002554	0.00060553	No
						Magi3	3.59085	15.962	2.15224414	3.59185	15.963	2.1519328	0.00022079	No
						Mal	0.700943	162.649	7.85824911	0.701943	162.65	7.85620122	0.00022079	No
						Mall	0	1.46878	inf	0.001	1.46978	10.5213845	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Malsu1	11.141	39.9681	1.84297026	11.142	39.9691	1.84287687	0.00022079	No
						Malt1	24.5022	2.5738	-3.2509394	24.5032	2.5748	-3.2504379	0.00022079	No
						MAMDC2	0	2.03231	inf	0.001	2.03331	10.9896145	0.00022079	No
						Maml2	11.3556	1.73937	-2.7067672	11.3566	1.74037	-2.706065	0.00022079	No
						Man1a1	60.688	3.2625	-4.2173615	60.689	3.2635	-4.2169431	0.00022079	No
						Man2a1	35.961	12.6981	-1.5018205	35.962	12.6991	-1.501747	0.00022079	No
						Manba	11.538	25.3385	1.13493795	11.539	25.3395	1.13486986	0.00096553	No
						Manbal	23.9938	54.1956	1.17551407	23.9948	54.1966	1.17548056	0.00113657	No
						Manea	1.91955	3.7735	0.97513513	1.92055	3.7745	0.97476602	0.0364343	No
						Mansc1	0.0544981	9.88527	7.50293063	0.0554981	9.88627	7.47684412	0.0142227	No
						Maoa	0.221153	9.84683	5.47654263	0.222153	9.84783	5.47018033	0.00242102	No
						Maob	0.0669146	1.12349	4.06952245	0.0679146	1.12449	4.04940527	0.0230222	No
						Map1lc3b	102.77	183.918	0.8396435	102.771	183.919	0.83963731	0.0397551	No
						Map2k2	60.0395	198.531	1.72538043	60.0405	198.532	1.72536367	0.00022079	No
						Map2k3	3.71247	11.7509	1.66231998	3.71347	11.7519	1.6620542	0.00078858	No
						Map2k6	22.4361	5.5056	-2.0268502	22.4371	5.5066	-2.0266525	0.00022079	No
						Map3k14	19.4446	3.53063	-2.461372	19.4456	3.53163	-2.4610376	0.00022079	No
						Map3k8	9.9378	2.93721	-1.7584801	9.9388	2.93821	-1.7581342	0.00022079	No
						Map4k3	7.30237	33.2616	2.18742089	7.30337	33.2626	2.18726672	0.00022079	No
						Map4k4	52.6341	12.5142	-2.0724317	52.6351	12.5152	-2.0723438	0.00022079	No
						Map7	0.320947	25.8046	6.32914938	0.321947	25.8056	6.32471716	0.00022079	No
						Map9	1.37398	3.11405	1.1804311	1.37498	3.11505	1.17984469	0.0283842	No
						Mapk3	19.8408	51.8737	1.38653308	19.8418	51.8747	1.38648818	0.00022079	No
						Mapk7	0.992166	3.48712	1.81338259	0.993166	3.48812	1.81234289	0.00407863	No
						Mapk8ip1	0.210417	35.7169	7.40721179	0.211417	35.7179	7.40041206	0.00022079	No
						Mapk8ip3	29.7864	9.49156	-1.6499366	29.7874	9.49256	-1.6498331	0.00022079	No
						Mapkbp1	7.79987	2.3496	-1.7310349	7.80087	2.3506	-1.730606	0.00022079	No
						Mapre1	64.3973	32.7402	-0.9759371	64.3983	32.7412	-0.9759154	0.00257873	No
						Mapre2	58.1472	25.2399	-1.2040035	58.1482	25.2409	-1.2039712	0.00060553	No
						Mapre3	2.49396	20.2165	3.01902302	2.49496	20.2175	3.01851602	0.00022079	No
						Mapt	0.0674765	13.7013	7.66571193	0.0684765	13.7023	7.6445934	0.00022079	No
						Marcks	0.909956	4.53746	2.31801623	0.910956	4.53846	2.31674956	0.00242102	No
						Marcksl1	3.79068	21.854	2.52736879	3.79168	21.855	2.52705426	0.00041963	No
						Marf1	18.5125	8.1953	-1.1756311	18.5135	8.1963	-1.175533	0.0110257	No
						Mark2	49.1017	26.8909	-0.8686549	49.1027	26.8919	-0.8686307	0.0282852	No
						Mast2	6.04488	13.5506	1.16457113	6.04588	13.5516	1.16443895	0.00896558	No
						Mast3	33.458	14.0434	-1.2524589	33.459	14.0444	-1.2523993	0.00130998	No
						Matk	0.512418	3.33274	2.70131571	0.513418	3.33374	2.69893581	0.0131304	No
						Matr3	107.691	43.4196	-1.3104793	107.692	43.4206	-1.3104595	0.00022079	No
						MAU2	57.2909	18.2519	-1.6502593	57.2919	18.2529	-1.6502055	0.029468	No
						Mavs	6.15327	36.7279	2.57745121	6.15427	36.7289	2.57725605	0.00022079	No
						Max	166.98	40.9707	-2.0270109	166.981	40.9717	-2.0269843	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Maz	91.9252	38.86	-1.2421745	91.9262	38.861	-1.2421531	0.00060553	No
						Mbd4	5.87546	1.23233	-2.2533132	5.87646	1.23333	-2.2523885	0.00022079	No
						Mbd5	4.8704	1.87608	-1.3763189	4.8714	1.87708	-1.3758463	0.00304332	No
						Mbl1	0	3.81007	inf	0.001	3.81107	11.8959804	0.00022079	No
						Mblac1	2.16027	7.01607	1.6994515	2.16127	7.01707	1.69898944	0.0350649	No
						Mbn1	376.528	53.0385	-2.8276453	376.529	53.0395	-2.8276219	0.00022079	No
						Mbn2	14.1958	26.1998	0.88409164	14.1968	26.2008	0.88404508	0.015076	No
						Mbn3	3.39415	1.84777	-0.8772651	3.39515	1.84877	-0.8769096	0.0333701	No
						Mboat1	1.76327	10.5509	2.58104076	1.76427	10.5519	2.58035953	0.00022079	No
						Mboat7	6.69878	15.8587	1.24330424	6.69978	15.8597	1.24317985	0.012146	No
						MBP	69.1751	10.6158	-2.7040397	69.1761	10.6168	-2.7039247	0.00022079	No
						Mbtd1	22.6561	6.12472	-1.8871837	22.6571	6.12572	-1.8870119	0.00022079	No
						Mbtps1	157.058	51.5132	-1.6082834	157.059	51.5142	-1.6082645	0.040486	No
						Mbtps2	7.98276	3.73746	-1.0948295	7.98376	3.73846	-1.0946243	0.0111498	No
						Mcam	0.292155	6.89453	4.56064632	0.293155	6.89553	4.55592588	0.00022079	No
						Mcart1l	41.5307	0.367245	-6.8212915	41.5317	0.368245	-6.8174032	0.00022079	No
						Mccc2	4.24678	39.5525	3.21932761	4.24778	39.5535	3.21902441	0.00022079	No
						Mcee	5.66237	69.6552	3.62075313	5.66337	69.6562	3.62051908	0.00022079	No
						Mcf2l	0.661972	10.1812	3.94299361	0.662972	10.1822	3.94095756	0.00273202	No
						Mcm3	32.2443	3.96132	-3.024991	32.2453	3.96232	-3.0246716	0.00022079	No
						Mcm3ap	16.3101	7.50458	-1.1199224	16.3111	7.50558	-1.1198186	0.00130998	No
						Mcm4	12.2369	3.8821	-1.6563289	12.2379	3.8831	-1.6560752	0.00022079	No
						Mcm6	19.4669	6.87941	-1.5006664	19.4679	6.88041	-1.5005308	0.00022079	No
						Mcm7	39.9243	16.5107	-1.2738658	39.9253	16.5117	-1.2738146	0.0136242	No
						Mcoln1	9.59635	16.9569	0.82131476	9.59735	16.9579	0.82124951	0.0438233	No
						Mdfic	1.08549	9.47589	3.12591502	1.08649	9.47689	3.1247388	0.00022079	No
						Mdh1	88.7351	697.903	2.97544974	88.7361	697.904	2.97543555	0.00022079	No
						Mdh2	107.87	306.759	1.50781198	107.871	306.76	1.50780331	0.00022079	No
						Mdm2	27.087	12.8628	-1.0743959	27.088	12.8638	-1.074337	0.00227055	No
						Mdm4	104.324	12.0957	-3.1085049	104.325	12.0967	-3.1083995	0.00022079	No
						Me1	0.13173	28.9195	7.77831486	0.13273	28.9205	7.7674542	0.00022079	No
						Me3	0	19.5936	inf	0.001	19.5946	14.2581685	0.00022079	No
						Mecp2	9.46425	4.32219	-1.1307257	9.46525	4.32319	-1.1305444	0.00407863	No
						Mecr	3.92092	13.59	1.79328134	3.92192	13.591	1.7930196	0.00257873	No
						Med1	26.4798	10.2169	-1.3739347	26.4808	10.2179	-1.373848	0.00551024	No
						Med12	55.5037	21.9929	-1.3355461	55.5047	21.9939	-1.3355065	0.00536605	No
						Med13	16.4504	5.79289	-1.5057675	16.4514	5.79389	-1.5056062	0.00022079	No
						Med13l	12.5789	5.12897	-1.2942647	12.5799	5.12997	-1.2940982	0.00022079	No
						Med15	66.018	24.1411	-1.451368	66.019	24.1421	-1.4513301	0.00078858	No
						Med18	45.3367	10.4553	-2.1164449	45.3377	10.4563	-2.1163388	0.00022079	No
						MED20	6.82355	17.8232	1.38516197	6.82455	17.8242	1.3850315	0.00096553	No
						Med22	4.43935	15.9215	1.8425559	4.44035	15.9225	1.84232157	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Med23	18.7011	9.28282	-1.0104881	18.7021	9.28382	-1.0104098	0.0165181	No
						Med25	52.44	121.832	1.21615353	52.441	121.833	1.21613786	0.00078858	No
						Med29	48.7288	192.535	1.98227413	48.7298	192.536	1.98225202	0.00022079	No
						Med31	20.1729	61.5009	1.60818903	20.1739	61.5019	1.60814097	0.00022079	No
						Med9	2.6465	8.11957	1.61731767	2.6475	8.12057	1.61695031	0.00333723	No
						Medag	0	10.6489	inf	0.001	10.6499	13.3785523	0.00022079	No
						Mef2a	21.1202	12.1351	-0.7994375	21.1212	12.1361	-0.7993869	0.0190658	No
						Mef2d	46.4614	10.4098	-2.1580903	46.4624	10.4108	-2.1579827	0.00022079	No
						Megf11	0	10.7874	inf	0.001	10.7884	13.3971933	0.00022079	No
						Megf9	0.724838	3.26879	2.1730262	0.725838	3.26979	2.17147849	0.00022079	No
						Melk	0.321379	10.2108	4.98967643	0.322379	10.2118	4.98533561	0.00022079	No
						Memo1	76.9995	29.9406	-1.3627459	77.0005	29.9416	-1.3627165	0.00022079	No
						Mep1a	0	34.9096	inf	0.001	34.9106	15.0913775	0.00022079	No
						Mep1b	0	10.9706	inf	0.001	10.9716	13.4214863	0.00022079	No
						Mertk	0	1.27288	inf	0.001	1.27388	10.3150137	0.00022079	No
						Mesdc2	20.4344	39.5307	0.95197362	20.4354	39.5317	0.95193951	0.00765035	No
						Met	0	30.8283	inf	0.001	30.8293	14.9120145	0.00022079	No
						Metrl	1.41903	16.5379	3.54279906	1.42003	16.5389	3.54186997	0.00164037	No
						Mettl13	10.9131	5.60804	-0.9604924	10.9141	5.60904	-0.9603674	0.020657	No
						Mettl14	25.4928	13.4458	-0.9229342	25.4938	13.4468	-0.9228835	0.0194084	No
						Mettl23	52.7315	15.3672	-1.7788107	52.7325	15.3682	-1.7787442	0.00022079	No
						Mettl9	17.2516	61.0255	1.82268204	17.2526	61.0265	1.82262206	0.00022079	No
						Mex3d	0.903872	4.24182	2.23049301	0.904872	4.24282	2.22923784	0.00658515	No
						Mfap3l	0.0705929	21.1455	8.22661187	0.0715929	21.1465	8.20638666	0.00022079	No
						Mfap5	0	1.41176	inf	0.001	1.41276	10.4643007	0.00022079	No
						Mfng	45.062	4.9056	-3.1994098	45.063	4.9066	-3.1991478	0.00022079	No
						Mfsd1	14.3621	22.8446	0.66958647	14.3631	22.8456	0.66954917	0.0444112	No
						Mfsd10	15.1857	5.53367	-1.4564049	15.1867	5.53467	-1.4562392	0.00273202	No
						Mga	16.7369	6.3378	-1.4009783	16.7379	6.3388	-1.4008369	0.00494367	No
						Mgam	0.12575	39.2964	8.28769494	0.12675	39.2974	8.27630431	0.00022079	No
						Mgat2	22.2284	12.0069	-0.8885404	22.2294	12.0079	-0.8884851	0.011657	No
						Mgat4b	5.36703	47.0527	3.13208165	5.36803	47.0537	3.13184353	0.00022079	No
						MGC105649	16.5644	7.53159	-1.1370596	16.5654	7.53259	-1.1369551	0.0128843	No
						MGC108823	48.9552	8.13635	-2.5890085	48.9562	8.13735	-2.5888606	0.00022079	No
						MGC112715	124.924	18.202	-2.7788818	124.925	18.203	-2.7788141	0.00022079	No
						MGC94199	1.6213	8.24172	2.34579438	1.6223	8.24272	2.34507986	0.00164037	No
						Mgea5	71.6167	28.954	-1.3065334	71.6177	28.955	-1.3065037	0.0303513	No
						Mgll	0.0891968	148.415	10.7003573	0.0901968	148.416	10.6842828	0.00041963	No
						Mgrn1	20.6795	50.9693	1.30142724	20.6805	50.9703	1.30138578	0.00078858	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mgst1	3.22941	96.5042	4.90124921	3.23041	96.5052	4.90081749	0.00022079	No
						Mgst2	4.54661	15.0128	1.72332991	4.54761	15.0138	1.72310873	0.00672121	No
						Mgst3	7.9576	339.057	5.41305064	7.9586	339.058	5.41287361	0.00041963	No
						Mia3	32.8951	14.3104	-1.2008087	32.8961	14.3114	-1.2007517	0.00096553	No
						Mical3	2.88654	8.76705	1.60275026	2.88754	8.76805	1.60241509	0.00022079	No
						Micu1	6.9167	14.1996	1.0376945	6.9177	14.2006	1.03758753	0.00752743	No
						Mid1	0.135598	4.39061	5.01701359	0.136598	4.39161	5.00674167	0.00765035	No
						Mid1ip1	15.2625	41.6654	1.44885854	15.2635	41.6664	1.44879864	0.00022079	No
						Mid2	0.268997	2.05988	2.93689831	0.269997	2.06088	2.93224522	0.0183813	No
						Midn	20.0808	32.9374	0.71390993	20.0818	32.9384	0.71388189	0.0281894	No
						Mien1	26.1411	66.9111	1.35592571	26.1421	66.9121	1.35589209	0.00318754	No
						Mier1	58.0509	15.5572	-1.899736	58.0519	15.5582	-1.8996681	0.00022079	No
						Mif	301.224	879.874	1.54646022	301.225	879.875	1.54645707	0.00022079	No
						Milr1	19.1468	1.00943	-4.2454905	19.1478	1.01043	-4.2441374	0.00022079	No
						Minos1	171.857	519.101	1.59480665	171.858	519.102	1.59480104	0.00022079	No
						Minpp1	3.86643	27.2754	2.81852636	3.86743	27.2764	2.81820616	0.00022079	No
						Miox	0.0603998	1288.69	14.381002	0.0613998	1288.691	14.3573129	0.012511	No
						Mipep	2.94564	21.1221	2.84210025	2.94664	21.1231	2.84167886	0.00022079	No
						Mipol1	1.15202	4.36363	1.92136301	1.15302	4.36463	1.92044182	0.00508519	No
						Mir101a	1.67582	0.491838	-1.7686121	1.67682	0.492838	-1.7665424	0.0487223	No
						Mir101b	19.1798	8.93383	-1.102237	19.1808	8.93483	-1.1021507	0.0128843	No
						Mir150	9.3839	0.578269	-4.020375	9.3849	0.579269	-4.018036	0.0166327	No
						Mir186	70.2994	22.5096	-1.642972	70.3004	22.5106	-1.6429284	0.00022079	No
						Mir22	1.9836	10.905	2.45879673	1.9846	10.906	2.4582019	0.00022079	No
						Mir221	0.421049	2.60493	2.62918456	0.422049	2.60593	2.62631592	0.0255067	No
						Mir349	0.644953	54.9302	6.4122617	0.645953	54.9312	6.4100528	0.00022079	No
						Mis18bp1	8.25267	0.574707	-3.8439624	8.25367	0.575707	-3.8416291	0.029572	No
						Mitd1	16.1519	7.253	-1.1550541	16.1529	7.254	-1.1549446	0.0301242	No
						Mitf	0.11322	13.5162	6.89941696	0.11422	13.5172	6.88683724	0.00022079	No
						Mkl1	38.4618	5.11731	-2.9099687	38.4628	5.11831	-2.9097244	0.00022079	No
						Mknk1	26.0047	11.9569	-1.120929	26.0057	11.9579	-1.1208638	0.00242102	No
						Mknk2	110.109	42.762	-1.3645312	110.11	42.763	-1.3645105	0.00022079	No
						Mlec	15.7823	36.6291	1.21468278	15.7833	36.6301	1.21463076	0.00041963	No
						Mllt10	34.284	12.8473	-1.4160702	34.285	12.8483	-1.416	0.00551024	No
						Mllt3	17.29	3.51172	-2.2996881	17.291	3.51272	-2.2993608	0.00022079	No
						Mllt4	0.0570903	38.1833	9.38548043	0.0580903	38.1843	9.36046658	0.00022079	No
						Mllt6	43.416	18.459	-1.2339024	43.417	18.46	-1.2338575	0.0182773	No
						Mlxip	6.86096	2.82268	-1.2813449	6.86196	2.82368	-1.2810441	0.00422081	No
						Mmachc	2.63202	9.49559	1.85108719	2.63302	9.49659	1.85069109	0.00180113	No
						Mmadhc	15.1152	46.669	1.62646449	15.1162	46.67	1.62639996	0.00022079	No
						Mme	0	34.0407	inf	0.001	34.0417	15.0550155	0.00022079	No
						Mmp12	0	4.39954	inf	0.001	4.40054	12.1034649	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mmp24	0.545926	9.46832	4.11633115	0.546926	9.46932	4.11384328	0.00060553	No
						Mmrn2	0.340513	5.84215	4.10071762	0.341513	5.84315	4.09673392	0.00022079	No
						Mnda	0.280734	1.95492	2.79983386	0.281734	1.95592	2.79544178	0.0178094	No
						Mnf1	32.6177	141.889	2.12103579	32.6187	141.89	2.12100173	0.00022079	No
						Mnt	11.1261	4.11848	-1.4337641	11.1271	4.11948	-1.4335435	0.00060553	No
						Mob1a	41.8097	16.0824	-1.378355	41.8107	16.0834	-1.3782998	0.00022079	No
						Mob3b	0.996144	9.45362	3.24644066	0.997144	9.45462	3.24514571	0.00022079	No
						Mocos	0.111698	1.90745	4.09396998	0.112698	1.90845	4.08186757	0.00333723	No
						Mok	0.123771	10.8394	6.45246776	0.124771	10.8404	6.44099153	0.00022079	No
						MON1A	25.7597	73.5346	1.51330744	25.7607	73.5356	1.51327106	0.00988585	No
						Mon2	49.4325	14.0629	-1.8135657	49.4335	14.0639	-1.8134923	0.018847	No
						Morc3	60.7856	9.0646	-2.7454143	60.7866	9.0656	-2.7452789	0.00022079	No
						Morf4l2	43.3641	84.3712	0.96024945	43.3651	84.3722	0.96023328	0.00180113	No
						Morn1	0.211988	3.73951	4.14079474	0.212988	3.74051	4.13439093	0.0126352	No
						MORN2	0.239328	12.5327	5.71056425	0.240328	12.5337	5.70466381	0.00858283	No
						Mospd1	1.39327	4.57616	1.71566263	1.39427	4.57716	1.71494276	0.010144	No
						Mov10	97.3101	14.0152	-2.7955972	97.3111	14.0162	-2.7955091	0.00022079	No
						MP68	70.7561	289.783	2.03404653	70.7571	289.784	2.03403112	0.00022079	No
						Mpa2l	213.623	12.0764	-4.1448046	213.624	12.0774	-4.1446919	0.00022079	No
						Mpc1	45.8387	538.959	3.55553749	45.8397	538.96	3.5555087	0.00022079	No
						Mpc2	42.2987	301.167	2.83187847	42.2997	301.168	2.83184915	0.00022079	No
						Mpdu1	24.8945	52.0008	1.06270678	24.8955	52.0018	1.06267657	0.00778313	No
						Mpdz	0	5.57882	inf	0.001	5.57982	12.4460029	0.00022079	No
						Mphosph10	25.7964	10.6965	-1.2700309	25.7974	10.6975	-1.269952	0.00060553	No
						Mphosph9	8.85788	1.22631	-2.8526377	8.85888	1.22731	-2.8516246	0.0370591	No
						Mpi	13.6717	42.4333	1.63400423	13.6727	42.4343	1.63393271	0.0110257	No
						Mpnd	104.4	204.434	0.96951344	104.401	204.435	0.96950668	0.0194084	No
						Mpp4	4.49702	0.870755	-2.3686305	4.49802	0.871755	-2.3672954	0.00975879	No
						Mpp5	4.42247	15.9197	1.84788889	4.42347	15.9207	1.84765333	0.00022079	No
						Mpp7	0.97898	3.85246	1.97642869	0.97998	3.85346	1.9753302	0.0128843	No
						Mprip	23.0696	75.4905	1.71030211	23.0706	75.4915	1.71025869	0.0240684	No
						Mpv17l	0.0679168	14.7089	7.75870516	0.0689168	14.7099	7.73771601	0.0175851	No
						Mpv17l2	19.6254	55.5558	1.50121548	19.6264	55.5568	1.50116794	0.00022079	No
						Mpzl1	3.71176	14.363	1.95218178	3.71276	14.364	1.95189359	0.00022079	No
						Mpzl2	0.602701	12.6892	4.39601485	0.603701	12.6902	4.39373681	0.00060553	No
						Mr1	12.7507	0.32866	-5.2778368	12.7517	0.32966	-5.2735669	0.00078858	No
						Mras	0.712061	28.9855	5.34718672	0.713061	28.9865	5.34521183	0.00022079	No
						Mri1	14.6575	33.1635	1.17795722	14.6585	33.1645	1.17790229	0.00164037	No
						Mroh2a	0.0347379	2.46337	6.14797899	0.0357379	2.46437	6.10762021	0.044811	No
						Mroh6	1.37765	3.86712	1.48905012	1.37865	3.86812	1.48837631	0.0143389	No
						Mrpl10	17.5356	35.3793	1.01261871	17.5366	35.3803	1.01257722	0.00147497	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						mrpl11	28.8297	64.9744	1.17231558	28.8307	64.9754	1.17228774	0.00273202	No
						Mrpl12	38.923	202.849	2.38171137	38.924	202.85	2.38168142	0.00022079	No
						Mrpl13	38.9075	99.0698	1.34839706	38.9085	99.0708	1.34837454	0.0195167	No
						Mrpl15	26.6563	134.937	2.33973754	26.6573	134.938	2.33969412	0.00022079	No
						Mrpl16	9.71457	48.2339	2.31182542	9.71557	48.2349	2.31170683	0.00022079	No
						Mrpl17	57.2524	137.839	1.26757606	57.2534	137.84	1.26756133	0.00022079	No
						Mrpl2	21.8186	55.1489	1.33777358	21.8196	55.1499	1.33773362	0.00041963	No
						Mrpl22	22.9917	62.7087	1.44755247	22.9927	62.7097	1.44751273	0.00022079	No
						Mrpl27	36.8267	145.72	1.98437487	36.8277	145.721	1.9843456	0.00022079	No
						Mrpl28	29.5816	79.1706	1.4202647	29.5826	79.1716	1.42023415	0.00060553	No
						Mrpl3	19.5746	44.6994	1.19127264	19.5756	44.7004	1.19123121	0.00041963	No
						MRPL30	9.75044	30.8015	1.65946138	9.75144	30.8025	1.65936026	0.00805135	No
						Mrpl34	56.0457	120.803	1.10798069	56.0467	120.804	1.10796689	0.00211842	No
						Mrpl35	24.5936	49.8938	1.02057762	24.5946	49.8948	1.02054788	0.0172336	No
						Mrpl36	34.8666	69.0523	0.98584378	34.8676	69.0533	0.9858233	0.00480115	No
						Mrpl40	6.02219	14.6749	1.28499054	6.02319	14.6759	1.28484931	0.00096553	No
						Mrpl41	28.8599	74.3497	1.36526062	28.8609	74.3507	1.36523004	0.00022079	No
						Mrpl42	45.6995	109.367	1.2589272	45.7005	109.368	1.25890883	0.00658515	No
						MRPL48	23.2965	72.8194	1.64420963	23.2975	72.8204	1.64416751	0.00022079	No
						Mrpl49	9.46969	40.6629	2.10232401	9.47069	40.6639	2.10220714	0.00022079	No
						Mrpl50	7.30094	38.3343	2.39248171	7.30194	38.3353	2.39232175	0.00022079	No
						Mrpl51	5.53128	14.2048	1.36069324	5.53228	14.2058	1.360534	0.0106524	No
						Mrpl52	46.5304	116.413	1.32300668	46.5314	116.414	1.32298807	0.00685176	No
						Mrpl54	51.6936	192.83	1.89927194	51.6946	192.831	1.89925151	0.00022079	No
						Mrpl55	26.9738	80.6519	1.58014974	26.9748	80.6529	1.58011415	0.00060553	No
						Mrps11	18.901	46.2554	1.29115923	18.902	46.2564	1.29111141	0.0319323	No
						Mrps12	24.4248	67.1363	1.45874628	24.4258	67.1373	1.4587087	0.0149559	No
						Mrps14	15.1716	32.415	1.09528833	15.1726	32.416	1.09523775	0.00304332	No
						Mrps15	69.2987	34.6424	-1.0002894	69.2997	34.6434	-1.0002686	0.00288641	No
						Mrps17	27.5576	49.1694	0.8353105	27.5586	49.1704	0.83528749	0.0282852	No
						Mrps18a	33.9762	97.4121	1.51957648	33.9772	97.4131	1.51954883	0.00022079	No
						Mrps18b	34.893	63.6397	0.86698939	34.894	63.6407	0.86697072	0.0180483	No
						Mrps18c	30.297	68.5501	1.17798383	30.298	68.5511	1.17795725	0.00227055	No
						MRPS21	135.93	257.227	0.92017819	135.931	257.228	0.92017318	0.0143389	No
						MRPS23	59.1106	136.924	1.21188657	59.1116	136.925	1.2118727	0.0115315	No
						Mrps25	51.4553	137.203	1.41492044	51.4563	137.204	1.41490291	0.00022079	No
						Mrps34	65.537	198.834	1.60118294	65.538	198.835	1.60116818	0.00060553	No
						Mrps36	27.7504	94.3154	1.76498479	27.7514	94.3164	1.7649481	0.00022079	No
						Mrvi1	0.327591	5.37996	4.03762782	0.328591	5.38096	4.03349871	0.00022079	No
						Ms4a4c	205.444	4.22852	-5.6024486	205.445	4.22952	-5.6021145	0.00022079	No
						Ms4a6b	273.777	9.36168	-4.87009	273.778	9.36268	-4.8699412	0.00022079	No
						Msantd2	25.81	13.0709	-0.9815717	25.811	13.0719	-0.9815172	0.023492	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Msantd3	0	5.00994	inf	0.001	5.01094	12.2908655	0.00022079	No
						Msantd4	5.61953	14.4773	1.36527119	5.62053	14.4783	1.36511413	0.00060553	No
						Msh2	28.461	12.4711	-1.1903976	28.462	12.4721	-1.1903326	0.00041963	No
						Msl1	57.2755	16.7019	-1.7779059	57.2765	16.7029	-1.7778447	0.00022079	No
						Msl2	36.2398	11.2098	-1.6928145	36.2408	11.2108	-1.6927256	0.00113657	No
						Msln	0	4.49326	inf	0.001	4.49426	12.1338679	0.00022079	No
						Msmo1	7.30351	27.5156	1.91358791	7.30451	27.5166	1.91344282	0.00022079	No
						Msn	321.606	139.928	-1.2006096	321.607	139.929	-1.2006038	0.00791314	No
						Msra	3.84091	119.996	4.96539435	3.84191	119.997	4.9650308	0.00022079	No
						Mst4	67.9157	4.29925	-3.9815882	67.9167	4.30025	-3.9812739	0.00022079	No
						Mt1a	67.4478	2123.42	4.97647456	67.4488	2123.421	4.97645385	0.00022079	No
						Mta3	43.3604	19.3588	-1.1633885	43.3614	19.3598	-1.1633473	0.00508519	No
						Mtap	15.7096	6.02024	-1.3837535	15.7106	6.02124	-1.3836058	0.0111498	No
						Mtch1	83.2486	145.914	0.8096204	83.2496	145.915	0.80961295	0.0122712	No
						Mtch2	28.7114	72.3823	1.33401327	28.7124	72.3833	1.33398296	0.00022079	No
						Mtf2	14.7381	4.72197	-1.6420898	14.7391	4.72297	-1.6418822	0.0122712	No
						Mtfp1	1.2376	11.5217	3.21873659	1.2386	11.5227	3.21769655	0.00022079	No
						Mthfd1l	11.4119	1.09972	-3.3753309	11.4129	1.10072	-3.374146	0.00022079	No
						Mthfd2	53.8842	9.26881	-2.5394063	53.8852	9.26981	-2.5392774	0.00022079	No
						Mthfr	0.65745	4.4338	2.75359061	0.65845	4.4348	2.75172325	0.00378481	No
						Mtm1	6.55061	17.874	1.44816137	6.55161	17.875	1.44802186	0.00041963	No
						Mtmr10	0.755913	11.5046	3.92784681	0.756913	11.5056	3.92606492	0.00022079	No
						Mtmr11	0.357486	31.5613	6.46412608	0.358486	31.5623	6.46014175	0.00022079	No
						MTMR12	19.7081	6.75308	-1.5451711	19.7091	6.75408	-1.5450307	0.00022079	No
						Mto1	3.89377	8.70923	1.1613775	3.89477	8.71023	1.16117268	0.0204275	No
						Mtpap	18.2281	9.39721	-0.9558598	18.2291	9.39821	-0.9557854	0.0480976	No
						Mtrf1	1.07356	9.04721	3.07507014	1.07456	9.04821	3.07388637	0.00060553	No
						Mtss1l	0.0951306	4.44237	5.54527627	0.0961306	4.44337	5.53051473	0.00593001	No
						Mtus1	0.988281	13.5602	3.77831334	0.989281	13.5612	3.77696067	0.00022079	No
						Muc1	0.534088	67.7086	6.98611781	0.535088	67.7096	6.98344041	0.00022079	No
						Muc20	0.152221	29.9931	7.62231943	0.153221	29.9941	7.61292089	0.0214583	No
						Muc6	7.57012	0.521546	-3.8594498	7.57112	0.522546	-3.8568768	0.00060553	No
						Mum1	31.5193	15.8735	-0.9896152	31.5203	15.8745	-0.9895701	0.00711928	No
						Mut	6.28034	25.6173	2.02820386	6.28134	25.6183	2.02803048	0.00022079	No
						Mutyh	28.1984	7.44517	-1.9212366	28.1994	7.44617	-1.921094	0.033901	No
						Mvb12a	20.3611	78.9699	1.95548736	20.3621	78.9709	1.95543477	0.00022079	No
						Mx1	145.577	5.85387	-4.6362479	145.578	5.85487	-4.6360114	0.00022079	No
						Mxi1	18.693	52.2042	1.48166776	18.694	52.2052	1.48161822	0.00022079	No
						Mxra7	0.722589	12.6364	4.12826641	0.723589	12.6374	4.12638539	0.00593001	No
						Mxra8	0.379277	3.75127	3.30605531	0.380277	3.75227	3.30264105	0.0182773	No
						Myb	20.0628	1.26775	-3.9841808	20.0638	1.26875	-3.9831151	0.00022079	No
						Mybbp1a	27.6339	12.0351	-1.1991911	27.6349	12.0361	-1.1991234	0.0267305	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Myc	70.5056	20.7955	-1.7614665	70.5066	20.7965	-1.7614176	0.00022079	No
						Mycbp2	60.7497	9.5871	-2.6637109	60.7507	9.5881	-2.6635842	0.00022079	No
						Mycbpap	0.0935879	5.05456	5.75511969	0.0945879	5.05556	5.74007146	0.0139821	No
						Mycn	0	1.0268	inf	0.001	1.0278	10.0053438	0.00022079	No
						Myd88	26.9074	16.2049	-0.7315729	26.9084	16.2059	-0.7315375	0.0259566	No
						Myeov2	98.1252	305.917	1.64044469	98.1262	305.918	1.6404347	0.00022079	No
						Myh1	0	2.41335	inf	0.001	2.41435	11.2374191	0.00022079	No
						Myh7b	0.0869786	20.2408	7.86239011	0.0879786	20.2418	7.84596923	0.00164037	No
						Myl12a	141.483	364.21	1.36414182	141.484	364.211	1.36413558	0.00022079	No
						Myl9	3.12347	20.0394	2.68161773	3.12447	20.0404	2.68122791	0.00022079	No
						Mylip	66.3149	14.2597	-2.2173894	66.3159	14.2607	-2.21731	0.00022079	No
						Mylk	0.281049	11.2906	5.32815666	0.282049	11.2916	5.3231603	0.00022079	No
						Mynn	9.09693	2.86151	-1.6686031	9.09793	2.86251	-1.6682576	0.00348745	No
						Myo10	1.70831	15.6353	3.1941652	1.70931	15.6363	3.1934132	0.00022079	No
						MYO18A	6.06122	27.1166	2.16149619	6.06222	27.1176	2.16131139	0.00022079	No
						Myo1d	0.41631	36.3335	6.44749832	0.41731	36.3345	6.44407675	0.00022079	No
						Myo1e	0.597346	18.2339	4.93191253	0.598346	18.2349	4.9295785	0.00022079	No
						Myo1g	72.3547	17.2014	-2.0725607	72.3557	17.2024	-2.0724968	0.00022079	No
						Myo3b	0	0.873653	inf	0.001	0.874653	9.77256696	0.00407863	No
						Myo5c	3.07255	20.6033	2.74536704	3.07355	20.6043	2.74496759	0.00022079	No
						Myo6	0.0560222	43.301	9.59418599	0.0570222	43.302	9.56869424	0.00022079	No
						Myo9a	2.61568	6.21298	1.24809936	2.61668	6.21398	1.24778009	0.00022079	No
						Myo9b	85.105	25.792	-1.7223202	85.106	25.793	-1.7222813	0.00113657	No
						Myof	0.315465	32.5855	6.69060637	0.316465	32.5865	6.68608464	0.00022079	No
						Myrf	0.260938	2.60388	3.318884	0.261938	2.60488	3.31391964	0.035709	No
						Mysm1	18.6313	5.61636	-1.730021	18.6323	5.61736	-1.7298416	0.00022079	No
						Mzf1	0.712992	1.7998	1.3358788	0.713992	1.8008	1.33465815	0.037664	No
						N4bp2	207.443	19.8714	-3.3839496	207.444	19.8724	-3.3838839	0.00022079	No
						N4bp2l1	20.0499	3.00265	-2.7392868	20.0509	3.00365	-2.7388784	0.00147497	No
						N4bp2l2	56.778	20.5446	-1.4665728	56.779	20.5456	-1.466528	0.00022079	No
						N6amt1	8.28924	21.3889	1.36755055	8.29024	21.3899	1.36744396	0.0128843	No
						Naa15	15.8658	7.64896	-1.0525848	15.8668	7.64996	-1.0524871	0.00227055	No
						Naa16	26.392	6.41551	-2.0404648	26.393	6.41651	-2.0402946	0.00022079	No
						Naa20	24.4592	48.8517	0.99803155	24.4602	48.8527	0.9980021	0.00896558	No
						Naa40	3.22932	6.43618	0.99497427	3.23032	6.43718	0.99475172	0.0457858	No
						Naca	1541.81	744.862	-1.0495799	1541.811	744.863	-1.0495789	0.0205337	No
						Nacc2	0.0279532	11.306	8.65985944	0.0289532	11.307	8.60927768	0.00392909	No
						Nadk2	19.9711	8.72963	-1.1939214	19.9721	8.73063	-1.1938284	0.00422081	No
						Naga	5.5518	30.1657	2.44188156	5.5528	30.1667	2.44166955	0.00022079	No
						Nagk	5.98109	26.4403	2.14425821	5.98209	26.4413	2.14407159	0.00778313	No
						Naglu	2.82565	6.34801	1.16772162	2.82665	6.34901	1.16743839	0.028703	No
						Nampt	8.61576	33.2437	1.94803099	8.61676	33.2447	1.94790695	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nanos1	0.989791	0	#NUM!	0.990791	0.001	-9.952437	0.00022079	No
						Nans	19.4152	40.6163	1.06487225	19.4162	40.6173	1.06483347	0.00164037	No
						Nap1l1	411.205	62.6452	-2.7145819	411.206	62.6462	-2.7145624	0.00022079	No
						Nap1l2	0.166496	2.0807	3.64350955	0.167496	2.0817	3.63556362	0.0205337	No
						Nap1l3	0	4.09072	inf	0.001	4.09172	11.9984917	0.00022079	No
						Nap1l4	76.2337	39.967	-0.9316196	76.2347	39.968	-0.9316024	0.00494367	No
						Naprt1	0.610906	104.329	7.41597411	0.611906	104.33	7.4136283	0.00022079	No
						Napsa	2.49641	108.271	5.43864817	2.49741	108.272	5.4380837	0.00022079	No
						Nasp	31.8484	16.7713	-0.9252264	31.8494	16.7723	-0.9251857	0.0343424	No
						Nbea	0.00631948	7.30119	10.1741101	0.00731948	7.30219	9.96237233	0.00348745	No
						Nbeal1	1.38028	2.66648	0.94997555	1.38128	2.66748	0.94947166	0.012511	No
						Ncald	2.92306	6.10722	1.06303637	2.92406	6.10822	1.06277911	0.00988585	No
						Ncaph2	27.9175	13.5087	-1.0472809	27.9185	13.5097	-1.0472258	0.0176974	No
						Ncbp2	31.7959	19.2519	-0.7238399	31.7969	19.2529	-0.7238103	0.0454908	No
						Ncf1	6.26981	12.6404	1.01154849	6.27081	12.6414	1.01143253	0.0126352	No
						Nckap1	0.918445	73.0502	6.31355108	0.919445	73.0512	6.31200088	0.00022079	No
						Nckap5	0	1.63613	inf	0.001	1.63713	10.6769532	0.00392909	No
						Nckap5l	6.70983	2.3927	-1.4876367	6.71083	2.3937	-1.4872489	0.00022079	No
						Ncl	252.86	131.862	-0.93931	252.861	131.863	-0.9393047	0.0144657	No
						Ncln	117.33	50.4338	-1.2181091	117.331	50.4348	-1.2180928	0.00113657	No
						Ncoa2	16.5701	5.7107	-1.5368428	16.5711	5.7117	-1.5366773	0.00022079	No
						Ncoa3	49.1174	6.34353	-2.9528764	49.1184	6.34453	-2.9526784	0.00022079	No
						Ncoa4	24.2859	62.9432	1.37393157	24.2869	62.9442	1.37389509	0.00022079	No
						Ndc1	5.59714	3.037	-0.8820429	5.59814	3.038	-0.8818257	0.0401695	No
						Ndrg1	11.4893	319.601	4.79790911	11.4903	319.602	4.79778807	0.00022079	No
						Ndrg2	3.4829	49.5834	3.83149625	3.4839	49.5844	3.83111118	0.00022079	No
						Ndst1	0.0798366	34.3106	8.74738836	0.0808366	34.3116	8.72947204	0.00022079	No
						Ndufa1	268.869	735.006	1.4508526	268.87	735.007	1.4508492	0.00022079	No
						Ndufa10	41.3288	106.43	1.36468549	41.3298	106.431	1.36466414	0.00022079	No
						Ndufa11	75.4494	778.98	3.36800496	75.4504	778.981	3.36798769	0.00022079	No
						Ndufa12	72.3065	376.459	2.3802955	72.3075	376.46	2.38027938	0.00022079	No
						Ndufa13	129.513	532.175	2.03880382	129.514	532.176	2.03879539	0.00022079	No
						Ndufa2	61.9916	344.906	2.47605858	61.9926	344.907	2.47603949	0.00022079	No
						Ndufa3	116.142	568.702	2.29178309	116.143	568.703	2.29177321	0.00022079	No
						Ndufa4	180.104	828.917	2.20239743	180.105	828.918	2.20239116	0.00022079	No
						Ndufa5	48.0748	347.181	2.85233524	48.0758	347.182	2.85230938	0.00022079	No
						Ndufa6	157.597	482.169	1.61329883	157.598	482.17	1.61329266	0.00022079	No
						Ndufa8	54.7713	163.064	1.57394628	54.7723	163.065	1.57392879	0.00022079	No
						Ndufa9	55.8298	177.112	1.66555467	55.8308	177.113	1.66553698	0.00022079	No
						Ndufab1	62.5859	346.7	2.46977826	62.5869	346.701	2.46975937	0.00113657	No
						Ndufaf1	2.44765	7.23705	1.56400446	2.44865	7.23805	1.5636145	0.00593001	No
						Ndufaf4	30.768	15.3773	-1.0006285	30.769	15.3783	-1.0005815	0.00480115	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ndufaf5	11.3827	26.892	1.24033425	11.3837	26.893	1.24026115	0.018847	No
						Ndufaf6	5.58162	14.6486	1.39200698	5.58262	14.6496	1.39184701	0.0176974	No
						Ndufb10	129.202	479.785	1.89275965	129.203	479.786	1.89275149	0.00022079	No
						Ndufb11	171.532	415.178	1.27525226	171.533	415.179	1.27524732	0.00041963	No
						Ndufb2	133.776	536.817	2.00461105	133.777	536.818	2.00460295	0.00022079	No
						Ndufb3	60.6761	288.475	2.24924603	60.6771	288.476	2.24922726	0.00022079	No
						Ndufb5	54.4704	259.775	2.25371823	54.4714	259.776	2.2536973	0.00022079	No
						Ndufb6	70.3104	351.781	2.32286756	70.3114	351.782	2.32285114	0.00022079	No
						Ndufb7	59.813	597.278	3.3198716	59.814	597.279	3.31984989	0.00022079	No
						Ndufb8	143.154	468.457	1.71034865	143.155	468.458	1.71034165	0.00022079	No
						Ndufb9	99.736	590.23	2.565091	99.737	590.231	2.56507898	0.0019604	No
						Ndufc1	40.4773	367.479	3.18247684	40.4783	367.48	3.18244513	0.00022079	No
						Ndufc2	91.319	224.554	1.29807545	91.32	224.555	1.29806608	0.00022079	No
						Ndufs1	18.1677	94.8322	2.38400122	18.1687	94.8332	2.38393702	0.00333723	No
						Ndufs2	59.2748	210.582	1.82889133	59.2758	210.583	1.82887384	0.00022079	No
						Ndufs3	51.1048	301.035	2.55840053	51.1058	301.036	2.55837709	0.00022079	No
						Ndufs4	20.16	65.2605	1.6947144	20.161	65.2615	1.69466495	0.00022079	No
						Ndufs7	112.7	556.477	2.30383454	112.701	556.478	2.30382434	0.00022079	No
						Ndufs8	54.0371	372.957	2.78698715	54.0381	372.958	2.78696432	0.00022079	No
						Ndufv1	74.8138	231.529	1.62981659	74.8148	231.53	1.62980354	0.00022079	No
						Ndufv2	79.9444	370.079	2.21076439	79.9454	370.08	2.21075024	0.00022079	No
						Ndufv3	43.4905	84.5563	0.95921195	43.4915	84.5573	0.95919584	0.00113657	No
						Necap2	51.2976	26.1814	-0.9703491	51.2986	26.1824	-0.9703221	0.00451708	No
						Nedd4	40.0467	69.4149	0.79356201	40.0477	69.4159	0.79354677	0.0438233	No
						Nedd4l	1.47103	24.8119	4.07613364	1.47203	24.8129	4.07521138	0.00022079	No
						Neil1	41.6397	9.90139	-2.0722567	41.6407	9.90239	-2.0721456	0.00022079	No
						Nek4	1.25333	3.88378	1.63169516	1.25433	3.88478	1.63091594	0.0133754	No
						NEK6	2.76932	8.93225	1.68949186	2.77032	8.93325	1.68913251	0.00466383	No
						Nek7	64.6528	33.7457	-0.9380092	64.6538	33.7467	-0.9379887	0.00451708	No
						Nek8	4.44482	11.5471	1.37733367	4.44582	11.5481	1.37713406	0.00273202	No
						Nelfa	23.3859	13.5457	-0.787804	23.3869	13.5467	-0.7877592	0.035814	No
						Nelfe	14.1614	49.8735	1.81630955	14.1624	49.8745	1.81623661	0.00022079	No
						Nemf	33.5792	11.1304	-1.5930624	33.5802	11.1314	-1.5929758	0.00041963	No
						Nenf	6.10739	75.4642	3.62716452	6.10839	75.4652	3.62694743	0.00022079	No
						Neo1	0.214946	13.3975	5.96184574	0.215946	13.3985	5.95525709	0.00022079	No
						Net1	5.45676	59.6971	3.45154435	5.45776	59.6981	3.45130416	0.00022079	No
						Neto2	0.826276	4.68237	2.50254327	0.827276	4.68337	2.50110639	0.00113657	No
						Neurl1b	0	7.16483	inf	0.001	7.16583	12.8069181	0.00022079	No
						Nfam1	0.640132	2.66932	2.06003093	0.641132	2.67032	2.05831932	0.00922576	No
						Nfat5	18.4333	71.636	1.95837041	18.4343	71.637	1.95831229	0.00022079	No
						Nfatc1	49.3792	8.50078	-2.5382363	49.3802	8.50178	-2.5380958	0.00022079	No
						Nfatc2	10.4738	2.67978	-1.9665985	10.4748	2.68078	-1.966198	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nfatc2ip	5.8257	2.34681	-1.3117304	5.8267	2.34781	-1.3113634	0.00273202	No
						Nfatc3	59.3105	6.44264	-3.2025636	59.3115	6.44364	-3.2023641	0.00870822	No
						NFE2L1	10.3128	47.0037	2.18833824	10.3138	47.0047	2.18822904	0.00022079	No
						Nfe2l2	7.51333	53.1199	2.82172806	7.51433	53.1209	2.82156321	0.00392909	No
						Nfia	2.01817	5.76672	1.51470327	2.01917	5.76772	1.51423875	0.0311608	No
						Nfil3	2.26473	13.4675	2.5720711	2.26573	13.4685	2.57154133	0.00022079	No
						Nfix	1.27453	14.6947	3.52725867	1.27553	14.6957	3.52622534	0.00022079	No
						Nfrkb	58.328	7.79599	-2.9033845	58.329	7.79699	-2.9032242	0.00022079	No
						Nfs1	13.4318	69.9239	2.380133	13.4328	69.9249	2.38004623	0.00022079	No
						Nfx1	18.77	9.17112	-1.0332588	18.771	9.17212	-1.0331784	0.012146	No
						Ngdn	71.4958	38.9449	-0.8764241	71.4968	38.9459	-0.8764072	0.0208857	No
						Ngef	0	2.35044	inf	0.001	2.35144	11.1993288	0.00022079	No
						Ngfrap1	53.9223	177.161	1.71610711	53.9233	177.162	1.71608849	0.00022079	No
						Ngly1	38.133	21.4416	-0.8306275	38.134	21.4426	-0.830598	0.0138632	No
						Nhej1	9.03895	3.14227	-1.524348	9.03995	3.14327	-1.5240486	0.00711928	No
						Nhlrc3	23.0713	8.41069	-1.4558032	23.0723	8.41169	-1.4556942	0.00022079	No
						Nhsl1	0.458227	3.46599	2.91913312	0.459227	3.46699	2.9164043	0.01483	No
						Nid1	0	9.68257	inf	0.001	9.68357	13.2413233	0.00022079	No
						Ninj1	5.5152	152.841	4.79247459	5.5162	152.842	4.79222247	0.00022079	No
						Nip7	26.3863	13.4448	-0.9727408	26.3873	13.4458	-0.9726881	0.0156977	No
						Nipal1	29.9018	1.58106	-4.2412683	29.9028	1.58206	-4.2404044	0.00022079	No
						Nipal2	7.87509	35.4651	2.1710317	7.87609	35.4661	2.17088919	0.00022079	No
						Nipbl	34.7818	9.91759	-1.8102711	34.7828	9.91859	-1.8101671	0.00022079	No
						Nit1	39.7345	150.762	1.92380874	39.7355	150.763	1.923782	0.00022079	No
						Nit2	46.6511	144.85	1.63457668	46.6521	144.851	1.63455572	0.00378481	No
						Nkain1	10.0156	2.43908	-2.0378399	10.0166	2.44008	-2.0373925	0.00096553	No
						Nkap	27.2375	9.45412	-1.5265792	27.2385	9.45512	-1.5264796	0.00605729	No
						Nkd2	0.989671	6.79057	2.77851177	0.990671	6.79157	2.77726719	0.00022079	No
						NKIRAS1	4.46738	1.58154	-1.4980989	4.46838	1.58254	-1.4975099	0.020657	No
						Nktr	28.9863	9.07146	-1.6759645	28.9873	9.07246	-1.6758553	0.00022079	No
						Nle1	17.6037	5.50634	-1.6767131	17.6047	5.50734	-1.6765331	0.00041963	No
						Nlrc3	30.2856	2.11351	-3.8409191	30.2866	2.11451	-3.8402843	0.00348745	No
						Nlrc5	91.2897	10.504	-3.1195133	91.2907	10.505	-3.1193917	0.0142227	No
						Nlrp1a	23.0339	2.26201	-3.3480815	23.0349	2.26301	-3.3475065	0.00022079	No
						Nlrx1	0.490051	7.44109	3.92451016	0.491051	7.44209	3.92176306	0.00060553	No
						Nmd3	31.0739	16.5625	-0.9077829	31.0749	16.5635	-0.9077422	0.00988585	No
						Nme2	321.84	770.366	1.25920039	321.841	770.367	1.25919778	0.00096553	No
						NME4	4.84457	44.0713	3.18539893	4.84557	44.0723	3.1851339	0.00022079	No
						Nme5	0	1.88599	inf	0.001	1.88699	10.8818711	0.00022079	No
						Nme6	2.71776	15.6569	2.52630863	2.71876	15.6579	2.52587003	0.00022079	No
						Nmi	99.1754	41.8877	-1.2434556	99.1764	41.8887	-1.2434357	0.00565535	No
						Nmnat1	5.59224	11.9021	1.08971796	5.59324	11.9031	1.08958121	0.00711928	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nmral1	3.60251	15.8675	2.1390005	3.60351	15.8685	2.13869101	0.00180113	No
						Nmt2	2.84192	7.83114	1.4623564	2.84292	7.83214	1.46203305	0.00096553	No
						Nnmt	0	2.61557	inf	0.001	2.61657	11.3534611	0.00022079	No
						Nnt	9.24584	56.9496	2.62280941	9.24684	56.9506	2.62267871	0.00022079	No
						Noa1	11.9313	3.39707	-1.8123884	11.9323	3.39807	-1.8120847	0.00022079	No
						Noc3l	15.2964	7.57144	-1.0145525	15.2974	7.57244	-1.0144563	0.00632443	No
						Nol10	11.356	4.34004	-1.3876745	11.357	4.34104	-1.3874692	0.00060553	No
						Nol12	14.172	26.3431	0.89438176	14.173	26.3441	0.89433473	0.0386537	No
						Nolc1	31.2409	16.0848	-0.957738	31.2419	16.0858	-0.9576945	0.0019604	No
						Nono	188.988	85.7768	-1.1396352	188.989	85.7778	-1.139626	0.00041963	No
						Nop10	97.2667	166.541	0.77585951	97.2677	166.542	0.77585335	0.0243977	No
						Nop2	25.0928	11.4301	-1.1344354	25.0938	11.4311	-1.1343667	0.00242102	No
						Nop56	102.391	54.5451	-0.9085674	102.392	54.5461	-0.908555	0.0181685	No
						Nop58	61.7233	23.3052	-1.4051633	61.7243	23.3062	-1.4051248	0.00022079	No
						Nos1	0	2.47672	inf	0.001	2.47772	11.2747974	0.0158283	No
						Nos1ap	0.128254	8.29935	6.01592262	0.129254	8.30035	6.00489134	0.00022079	No
						Nos3	0.0738463	5.685	6.2664909	0.0748463	5.686	6.24733929	0.00288641	No
						NOSIP	56.8327	117.055	1.0423934	56.8337	117.056	1.04238034	0.0166327	No
						Nostrin	0	3.18298	inf	0.001	3.18398	11.6366156	0.00022079	No
						Npas2	0.261383	10.2686	5.29593038	0.262383	10.2696	5.29056193	0.00242102	No
						Npat	7.17199	3.24847	-1.1426131	7.17299	3.24947	-1.1423702	0.00725151	No
						Npc2	54.3725	118.662	1.12590894	54.3735	118.663	1.12589456	0.00593001	No
						Npepo	3.78893	40.7991	3.42867494	3.78993	40.8001	3.42832958	0.00022079	No
						Nphp1	0.187658	14.289	6.25065535	0.188658	14.29	6.24308883	0.00022079	No
						Npl	0.127445	4.33445	5.08790226	0.128445	4.33545	5.07695911	0.00378481	No
						Nploc4	20.9545	12.6879	-0.7238068	20.9555	12.6889	-0.7237619	0.0309567	No
						Npm1	1010.85	243.279	-2.0548852	1010.851	243.28	-2.0548807	0.00022079	No
						Npnt	0.322332	54.7246	7.40749827	0.323332	54.7256	7.40305576	0.00022079	No
						Npr3	0	1.96845	inf	0.001	1.96945	10.9435771	0.00022079	No
						Nqo1	0.309982	10.4378	5.07348941	0.310982	10.4388	5.06898099	0.00257873	No
						Nqo2	0.720568	28.7442	5.31799248	0.721568	28.7452	5.3160419	0.0248413	No
						Nr1d1	5.83883	42.1375	2.85135351	5.83983	42.1385	2.85114068	0.0467065	No
						Nr1h4	0.611643	25.1524	5.36186242	0.612643	25.1534	5.35956298	0.00130998	No
						Nr2c2	16.3854	7.09932	-1.2066581	16.3864	7.10032	-1.206543	0.00318754	No
						Nr3c1	23.0758	12.936	-0.8349891	23.0768	12.937	-0.8349401	0.0105196	No
						Nr4a1	2.56279	15.7741	2.62177052	2.56379	15.7751	2.62129915	0.00022079	No
						Nrarp	1.19929	4.07514	1.76466906	1.20029	4.07614	1.76382059	0.00523184	No
						Nrbp2	4.4092	15.3289	1.79766535	4.4102	15.3299	1.7974323	0.00022079	No
						Nrde2	13.2102	4.07015	-1.6984984	13.2112	4.07115	-1.6982532	0.0371671	No
						Nrep	0	60.4995	inf	0.001	60.5005	15.8846594	0.00022079	No
						Nrf1	25.0707	11.4012	-1.1368166	25.0717	11.4022	-1.1367476	0.00480115	No
						Nrgn	2.7725	8.10686	1.54795577	2.7735	8.10786	1.54761345	0.00363736	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nrros	44.9491	5.85748	-2.9399402	44.9501	5.85848	-2.939726	0.00022079	No
						Nsa2	117.663	60.0929	-0.9693943	117.664	60.0939	-0.9693825	0.00180113	No
						Nsfl1c	45.7896	79.4745	0.79547207	45.7906	79.4755	0.79545872	0.0306704	No
						Nsg2	24.7617	1.22765	-4.3341391	24.7627	1.22865	-4.3330227	0.00022079	No
						Nsmaf	20.5058	9.67457	-1.0837626	20.5068	9.67557	-1.0836838	0.00922576	No
						Nsmce2	11.5193	41.2206	1.83931245	11.5203	41.2216	1.83922222	0.00022079	No
						NSMF	0.692087	3.65097	2.3992545	0.693087	3.65197	2.39756655	0.00147497	No
						Nsrp1	21.1905	11.7063	-0.8561325	21.1915	11.7073	-0.8560773	0.0216846	No
						Nsun2	40.8163	15.1588	-1.4289899	40.8173	15.1598	-1.42893	0.00022079	No
						Nsun6	5.15307	2.27582	-1.1790457	5.15407	2.27682	-1.1786919	0.0310553	No
						Nt5c2	12.5785	26.856	1.09428455	12.5795	26.857	1.09422358	0.00392909	No
						Nt5c3b	31.7689	16.5974	-0.9366579	31.7699	16.5984	-0.9366164	0.00870822	No
						Nt5dc1	29.9334	14.7639	-1.0196823	29.9344	14.7649	-1.0196328	0.0137492	No
						Nt5dc2	2.43529	5.42505	1.15554285	2.43629	5.42605	1.15521647	0.0326064	No
						Nt5m	0.619195	6.99507	3.49787277	0.620195	6.99607	3.49575092	0.0178094	No
						Ntan1	198.208	81.9777	-1.2737118	198.209	81.9787	-1.2737015	0.00257873	No
						Ntmt1	9.25442	23.9333	1.37080485	9.25542	23.9343	1.37070925	0.0414961	No
						Ntpcr	8.66434	31.2638	1.85133138	8.66534	31.2648	1.85121103	0.00022079	No
						Nuak2	0.271818	76.4441	8.13562035	0.272818	76.4451	8.13034139	0.00022079	No
						Nub1	54.9821	29.1901	-0.9134829	54.9831	29.1911	-0.9134597	0.00494367	No
						Nubp1	105.091	46.039	-1.1907107	105.092	46.04	-1.1906931	0.00041963	No
						Nubpl	3.7209	8.20685	1.14117697	3.7219	8.20785	1.14096507	0.0453842	No
						Nucb2	6.06059	29.7964	2.29760788	6.06159	29.7974	2.29741827	0.00022079	No
						Nudt10	0	1.6393	inf	0.001	1.6403	10.679744	0.00022079	No
						Nudt12	2.70175	7.42961	1.4593923	2.70275	7.43061	1.45905258	0.00041963	No
						Nudt16l1	25.2232	42.2922	0.74564029	25.2242	42.2932	0.74561721	0.0415916	No
						Nudt19	9.57765	24.7495	1.36965576	9.57865	24.7505	1.36956343	0.00536605	No
						Nudt2	19.2169	80.2675	2.06244034	19.2179	80.2685	2.06238324	0.00022079	No
						NUDT21	67.7149	23.6833	-1.5156032	67.7159	23.6843	-1.5155636	0.00041963	No
						Nudt4	32.7181	134.915	2.04388988	32.7191	134.916	2.04385648	0.00022079	No
						Nudt7	8.72038	34.0005	1.96309305	8.72138	34.0015	1.96297005	0.00022079	No
						Nudt9	23.4232	45.0262	0.94282654	23.4242	45.0272	0.94279699	0.0183813	No
						Numa1	70.2997	24.0056	-1.5501475	70.3007	24.0066	-1.550108	0.00022079	No
						Numb	12.0981	30.4218	1.33032503	12.0991	30.4228	1.3302532	0.00318754	No
						Nup107	7.84657	3.34189	-1.2313979	7.84757	3.34289	-1.2311501	0.00645389	No
						Nup153	46.4892	8.22885	-2.4981329	46.4902	8.22985	-2.4979886	0.00022079	No
						Nup188	12.4779	5.14474	-1.2782051	12.4789	5.14574	-1.2780403	0.00022079	No
						Nup210	27.7911	3.56754	-2.9616214	27.7921	3.56854	-2.961269	0.00022079	No
						Nup62	20.0702	9.80744	-1.0331065	20.0712	9.80844	-1.0330313	0.0483129	No
						Nup93	16.2596	9.36192	-0.7964154	16.2606	9.36292	-0.7963501	0.0372667	No
						Nup98	19.1068	9.30547	-1.0379353	19.1078	9.30647	-1.0378557	0.00451708	No
						NUPR1	0	148.472	inf	0.001	148.473	17.1798411	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nupr1l	3.07273	15.7135	2.35441165	3.07373	15.7145	2.35403402	0.0402662	No
						Nusap1	0.571496	2.19902	1.94404542	0.572496	2.20002	1.94217912	0.0271748	No
						Nxn	4.15771	10.2088	1.29595225	4.15871	10.2098	1.29574662	0.0182773	No
						Nxpe3	5.55848	1.29802	-2.0983778	5.55948	1.29902	-2.0975263	0.00227055	No
						Nxt1	29.357	16.3319	-0.8460119	29.358	16.3329	-0.8459727	0.0453842	No
						Nynrin	2.16888	4.31304	0.99175486	2.16988	4.31404	0.99142429	0.0276556	No
						Oaf	7.07522	43.5707	2.62251138	7.07622	43.5717	2.6223406	0.00022079	No
						Oas1b	9.01261	2.45032	-1.8789748	9.01361	2.45132	-1.8785462	0.00022079	No
						Oasl2	15.3751	5.24642	-1.5511906	15.3761	5.24742	-1.5510095	0.00022079	No
						Oat	14.4967	106.951	2.88315354	14.4977	106.952	2.88306752	0.00022079	No
						Oaz2	35.0234	61.5063	0.81241505	35.0244	61.5073	0.81239731	0.014108	No
						Obsl1	1.10999	11.2694	3.34379212	1.11099	11.2704	3.34262098	0.00273202	No
						Ocln	4.71863	23.6703	2.32663804	4.71963	23.6713	2.32639327	0.00022079	No
						Odc1	43.5834	84.0889	0.94813663	43.5844	84.0899	0.94812068	0.00632443	No
						Ofd1	16.5466	5.60238	-1.5624231	16.5476	5.60338	-1.5622528	0.00363736	No
						Ogdh	37.0591	110.854	1.58076108	37.0601	110.855	1.58073516	0.00022079	No
						Ogdhl	0.22433	6.76045	4.91342481	0.22533	6.76145	4.90722136	0.0019604	No
						Ogfr	53.1028	31.9913	-0.7311083	53.1038	31.9923	-0.7310904	0.0281894	No
						Ogfrl1	0.892638	14.9857	4.06936744	0.893638	14.9867	4.0678484	0.00022079	No
						Ogn	0.0175272	5.46815	8.28531347	0.0185272	5.46915	8.20552796	0.0461862	No
						Ogt	173.253	33.0132	-2.3917654	173.254	33.0142	-2.3917301	0.00022079	No
						Ola1	55.2903	32.8305	-0.7519897	55.2913	32.8315	-0.7519718	0.0178094	No
						Olfml1	0	9.47252	inf	0.001	9.47352	13.2096849	0.00022079	No
						Olfml2b	0	1.33795	inf	0.001	1.33895	10.3868864	0.00022079	No
						Olfml3	0.832319	3.373	2.01882384	0.833319	3.374	2.01751919	0.0138632	No
						Olr155	0	1.33664	inf	0.001	1.33764	10.3854742	0.00022079	No
						Olr1668	0	1.05868	inf	0.001	1.05968	10.049413	0.00022079	No
						Oosp1	0.258146	8.74213	5.08172568	0.259146	8.74313	5.07631282	0.00096553	No
						OPA3	5.84425	15.3207	1.39039242	5.84525	15.3217	1.39023974	0.00022079	No
						Ophn1	0.0205437	5.86297	8.15679182	0.0215437	5.86397	8.08846787	0.00778313	No
						Oplah	0.622178	68.7631	6.78816339	0.623178	68.7641	6.78586745	0.00022079	No
						Opn3	0.526883	2.80882	2.41440964	0.527883	2.80982	2.4121876	0.0259566	No
						Orai2	40.3026	2.53035	-3.9934641	40.3036	2.53135	-3.9929298	0.00022079	No
						Orai3	4.00201	15.542	1.95737549	4.00301	15.543	1.95710786	0.00022079	No
						Orc3	12.3743	5.75643	-1.1041006	12.3753	5.75743	-1.1039666	0.038944	No
						Orc4	15.6096	7.60847	-1.0367553	15.6106	7.60947	-1.0366581	0.0433217	No
						Os9	59.1551	33.7191	-0.8109365	59.1561	33.7201	-0.8109181	0.0207777	No
						Osbp2	0	0.948098	inf	0.001	0.949098	9.89041325	0.00041963	No
						Osbpl11	12.3068	4.81676	-1.3533207	12.3078	4.81776	-1.3531385	0.00041963	No
						Osbpl3	2.72473	28.9559	3.40967216	2.72573	28.9569	3.4091926	0.00022079	No
						Osbpl6	0.113898	2.55619	4.48818076	0.114898	2.55719	4.47613377	0.0450883	No
						Osbpl7	13.2074	5.77535	-1.1933662	13.2084	5.77635	-1.1932257	0.00164037	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Oscar	0.197312	1.64158	3.05653445	0.198312	1.64258	3.05011975	0.043912	No
						Osgepl1	10.7766	3.71398	-1.5368641	10.7776	3.71498	-1.5366096	0.00778313	No
						Osgin1	0.286024	53.2844	7.5414332	0.287024	53.2854	7.53642511	0.00096553	No
						Osgin2	7.15777	3.50419	-1.0304292	7.15877	3.50519	-1.0302191	0.0409854	No
						Osmr	0	16.9533	inf	0.001	16.9543	14.0493636	0.00022079	No
						OST4	211.388	428.128	1.01814871	211.389	428.129	1.01814526	0.00257873	No
						Otud1	23.5252	7.73444	-1.6048382	23.5262	7.73544	-1.6047131	0.00180113	No
						Otud4	27.6035	9.73233	-1.5039941	27.6045	9.73333	-1.5038981	0.00022079	No
						Otud5	170.722	75.5026	-1.1770508	170.723	75.5036	-1.1770401	0.00791314	No
						Oxa1l	60.4813	103.255	0.77165059	60.4823	103.256	0.77164071	0.035709	No
						Oxct1	27.2019	214.875	2.98171831	27.2029	214.876	2.98167199	0.00022079	No
						Oxgr1	0	1.83716	inf	0.001	1.83816	10.8440466	0.00022079	No
						P2ry1	0.101432	0.947202	3.22315926	0.102432	0.948202	3.21052795	0.0184986	No
						P2ry10	66.2301	2.97936	-4.4744127	66.2311	2.98036	-4.4739503	0.00022079	No
						P2ry4	13.7748	38.376	1.47817297	13.7758	38.377	1.47810584	0.00333723	No
						P2ry6	0.0952093	1.47206	3.95059016	0.0962093	1.47306	3.93649603	0.00818469	No
						P33MONOX	14.5716	128.389	3.1392904	14.5726	128.39	3.13920263	0.00022079	No
						P4ha1	7.81741	30.9793	1.98654194	7.81841	30.9803	1.98640397	0.00022079	No
						P4hb	71.2491	138.721	0.96124251	71.2501	138.722	0.96123266	0.00494367	No
						Pabpc1	1238.76	169.649	-2.8682719	1238.761	169.65	-2.8682645	0.00022079	No
						Pacs1	50.5416	12.819	-1.9791876	50.5426	12.82	-1.9791036	0.00022079	No
						Pacsin1	22.4551	2.66141	-3.0767805	22.4561	2.66241	-3.0763027	0.00022079	No
						Pacsin2	19.54	74.6007	1.9327587	19.541	74.6017	1.93270421	0.00022079	No
						Paf1	36.927	63.5211	0.78255984	36.928	63.5221	0.78254348	0.0168842	No
						Pag1	14.6457	5.07139	-1.530024	14.6467	5.07239	-1.5298381	0.00845215	No
						Pah	0	145.913	inf	0.001	145.914	17.1547588	0.00022079	No
						Pak1	0.151253	12.6138	6.3818954	0.152253	12.6148	6.37250287	0.00060553	No
						Pak1ip1	18.3129	5.82731	-1.6519583	18.3139	5.82831	-1.6517895	0.00041963	No
						Pak4	2.01676	19.5873	3.27980723	2.01776	19.5883	3.27916571	0.00022079	No
						Pald	0.603555	6.06921	3.32995159	0.604555	6.07021	3.32780093	0.00022079	No
						Palm3	0.601162	7.25399	3.59294903	0.602162	7.25499	3.59075005	0.00022079	No
						Pam	0.0301325	22.463	9.54201453	0.0311325	22.464	9.49497769	0.00060553	No
						Pamr1	0	27.2334	inf	0.001	27.2344	14.7331425	0.00022079	No
						Pan2	28.0637	14.2655	-0.9761749	28.0647	14.2665	-0.9761252	0.0143389	No
						Pan3	96.0297	17.5192	-2.4545438	96.0307	17.5202	-2.4544764	0.00060553	No
						Pank1	1.40878	33.9765	4.59201901	1.40978	33.9775	4.59103776	0.00022079	No
						Panx2	0	4.83797	inf	0.001	4.83897	12.2404843	0.00022079	No
						Papd4	23.8051	8.6096	-1.4672526	23.8061	8.6106	-1.4671456	0.00022079	No
						Papd5	33.5847	8.67653	-1.9526141	33.5857	8.67753	-1.9524907	0.00022079	No
						Papola	55.1128	30.2278	-0.8665114	55.1138	30.2288	-0.8664899	0.0174725	No
						Papolg	18.5277	3.15593	-2.5535467	18.5287	3.15693	-2.5531675	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Papss1	13.9107	61.9895	2.15582885	13.9117	61.9905	2.15574841	0.00022079	No
						Papss2	0.360432	46.6452	7.01585772	0.361432	46.6462	7.0118915	0.00022079	No
						Paqr5	19.5193	32.0231	0.71421166	19.5203	32.0241	0.7141828	0.0493191	No
						Paqr9	0	1.92193	inf	0.001	1.92293	10.9090905	0.00022079	No
						Park2	0	2.16686	inf	0.001	2.16786	11.0820559	0.0111498	No
						Parm1	0.0856492	79.323	9.85508376	0.0866492	79.324	9.83835528	0.00022079	No
						Parp1	49.6917	22.1704	-1.1643701	49.6927	22.1714	-1.1643341	0.00658515	No
						Parp14	38.0787	9.89245	-1.9445845	38.0797	9.89345	-1.9444765	0.00022079	No
						Parp6	29.2507	15.7235	-0.8955488	29.2517	15.7245	-0.8955063	0.0111498	No
						Parp8	46.5554	16.153	-1.5271464	46.5564	16.154	-1.5270881	0.00318754	No
						Parp9	41.923	10.1982	-2.0394274	41.924	10.1992	-2.0393204	0.00022079	No
						Parva	0	59.1813	inf	0.001	59.1823	15.8528781	0.00022079	No
						Parvb	0.287118	3.85925	3.74860482	0.288118	3.86025	3.74396258	0.00480115	No
						Parvg	35.6816	2.92456	-3.6088888	35.6826	2.92556	-3.608436	0.00022079	No
						Patl1	19.8526	8.86077	-1.163824	19.8536	8.86177	-1.1637338	0.00096553	No
						Patl2	4.84045	0.186238	-4.6999218	4.84145	0.187238	-4.692494	0.00022079	No
						Pax5	6.65387	21.7349	1.70774787	6.65487	21.7359	1.70759744	0.0204275	No
						Pax8	0.102767	93.8712	9.83516172	0.103767	93.8722	9.82120645	0.00022079	No
						Paxbp1	34.5824	10.8666	-1.6701374	34.5834	10.8676	-1.6700463	0.00022079	No
						Paxip1	16.0529	5.36273	-1.5817944	16.0539	5.36373	-1.5816153	0.00022079	No
						Pbk	0.274094	2.10572	2.94157096	0.275094	2.10672	2.937002	0.0181685	No
						Pbrm1	20.9036	7.88285	-1.4069622	20.9046	7.88385	-1.4068482	0.00363736	No
						Pbx1	1.49182	16.2233	3.44292193	1.49282	16.2243	3.44204411	0.00022079	No
						Pbx3	1.3711	8.72616	2.67001313	1.3721	8.72716	2.66912662	0.00022079	No
						Pbx4	0.436803	16.1258	5.20624416	0.437803	16.1268	5.20303455	0.00022079	No
						Pbxip1	149.116	64.0825	-1.2184327	149.117	64.0835	-1.2184199	0.00147497	No
						Pc	0.645553	41.6107	6.0102752	0.646553	41.6117	6.00807678	0.00022079	No
						Pcbd1	0.439658	218.123	8.95454447	0.440658	218.124	8.9512734	0.00363736	No
						Pcbd2	59.9496	164.668	1.45773819	59.9506	164.669	1.45772289	0.00022079	No
						Pcbp4	8.99912	26.725	1.57033411	9.00012	26.726	1.57022779	0.00022079	No
						Pcca	9.59931	61.4213	2.67773643	9.60031	61.4223	2.67760964	0.00041963	No
						Pccb	11.3834	150.165	3.72154516	11.3844	150.166	3.72142804	0.00022079	No
						Pcdh1	0	4.06735	inf	0.001	4.06835	11.9902281	0.00022079	No
						Pcdh17	0	2.07212	inf	0.001	2.07312	11.0175879	0.00022079	No
						Pcdhb19	0.191214	1.1935	2.64193851	0.192214	1.1945	2.63562153	0.0369799	No
						Pcf11	36.2794	6.79508	-2.4165882	36.2804	6.79608	-2.4164156	0.00022079	No
						Pcgf2	2.17294	16.6608	2.93873743	2.17394	16.6618	2.93816024	0.00022079	No
						Pcgf6	15.726	4.71267	-1.7385352	15.727	4.71367	-1.7383208	0.00022079	No
						Pck2	2.24478	20.8987	3.21876724	2.24578	20.8997	3.21819372	0.00022079	No
						Pcmtd1	119.323	34.4127	-1.7938592	119.324	34.4137	-1.7938293	0.00022079	No
						Pcmtd2	55.7363	15.3767	-1.8578713	55.7373	15.3777	-1.8578034	0.00022079	No
						Pcolce	0.193428	8.82031	5.51096081	0.194428	8.82131	5.50368501	0.0475969	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						PCOLCE2	0	15.0321	inf	0.001	15.0331	13.8758549	0.00022079	No
						Pcp4l1	0	1.33378	inf	0.001	1.33478	10.3823863	0.00022079	No
						Pcsk6	0	12.0719	inf	0.001	12.0729	13.5594846	0.00022079	No
						Pcyt1a	3.44813	11.8629	1.78257066	3.44913	11.8639	1.78227393	0.00022079	No
						Pcyt2	25.7665	61.4446	1.25378964	25.7675	61.4456	1.25375713	0.00078858	No
						Pdcd10	78.0511	36.4552	-1.0982943	78.0521	36.4562	-1.0982733	0.00130998	No
						Pdcd11	20.515	9.3373	-1.1356018	20.516	9.3383	-1.1355176	0.00060553	No
						Pdcd4	544.457	84.966	-2.6798606	544.458	84.967	-2.6798462	0.00022079	No
						Pdcd6ip	28.307	48.3301	0.77176312	28.308	48.3311	0.77174201	0.0210061	No
						Pde12	12.8474	5.92136	-1.1174759	12.8484	5.92236	-1.1173446	0.0372667	No
						Pde1a	0	17.307	inf	0.001	17.308	14.0791514	0.00022079	No
						Pde3b	46.8387	1.62466	-4.8494913	46.8397	1.62566	-4.8486344	0.00022079	No
						Pde4b	79.1668	2.92888	-4.7564745	79.1678	2.92988	-4.7560003	0.00022079	No
						Pde4c	4.92824	12.9308	1.39166711	4.92924	12.9318	1.39148597	0.015076	No
						Pde7b	0.285419	12.709	5.47662533	0.286419	12.71	5.47169302	0.00022079	No
						Pde8a	0.337155	17.3391	5.68447321	0.338155	17.3401	5.68028372	0.00211842	No
						Pde9a	0.215412	13.6773	5.98854103	0.216412	13.6783	5.98196463	0.00022079	No
						Pdgfb	0.605386	14.3527	4.56732304	0.606386	14.3537	4.56504242	0.00022079	No
						Pdgfd	0	1.68097	inf	0.001	1.68197	10.7159363	0.00022079	No
						Pdgfrb	0	1.21474	inf	0.001	1.21574	10.247619	0.00022079	No
						Pdha1	80.8783	183.065	1.17853141	80.8793	183.066	1.17852145	0.0196176	No
						Pdhb	31.1637	132.376	2.08670315	31.1647	132.377	2.08666775	0.00022079	No
						Pdhx	5.53687	15.3245	1.46869745	5.53787	15.3255	1.46853105	0.00041963	No
						Pdk1	22.45	9.6845	-1.212966	22.451	9.6855	-1.2128813	0.010907	No
						Pdk2	9.8308	109.731	3.48051852	9.8318	109.732	3.48038493	0.00022079	No
						Pdlim1	53.3441	17.5762	-1.6017055	53.3451	17.5772	-1.6016505	0.00022079	No
						Pdp2	1.57644	7.82353	2.31114944	1.57744	7.82453	2.31041896	0.00022079	No
						Pdpk1	23.0151	10.635	-1.1137607	23.0161	10.636	-1.1136877	0.0237207	No
						Pdpn	0	11.501	inf	0.001	11.502	13.4895971	0.00022079	No
						Pds5a	40.7895	12.9847	-1.6513851	40.7905	12.9857	-1.6513094	0.00022079	No
						Pds5b	19.8323	6.0877	-1.7038828	19.8333	6.0887	-1.7037186	0.00022079	No
						Pdxk	4.33088	24.3837	2.49318495	4.33188	24.3847	2.49291104	0.00022079	No
						Pdzd2	0.0406081	1.16976	4.84830122	0.0416081	1.17076	4.81443714	0.00078858	No
						Pdzd4	4.77554	0.473165	-3.3352486	4.77654	0.474165	-3.3325049	0.00022079	No
						Pdzd8	3.7321	6.95308	0.89766455	3.7331	6.95408	0.89748551	0.0306704	No
						Pdzk1	0.824799	166.561	7.65779234	0.825799	166.562	7.65605291	0.00022079	No
						Pdzk1ip1	0.0773318	372.598	12.2342705	0.0783318	372.599	12.2157381	0.026068	No
						Pebp1	97.5585	553.783	2.50498129	97.5595	553.784	2.5049691	0.00022079	No
						Pecr	12.5403	184.507	3.87903178	12.5413	184.508	3.87892456	0.00022079	No
						Pef1	26.761	43.6853	0.70701587	26.762	43.6863	0.70699499	0.0370591	No
						Peo1	4.44556	13.0746	1.55632974	4.44656	13.0756	1.55611559	0.00164037	No
						Per2	1.67368	11.549	2.78667231	1.67468	11.55	2.7859355	0.00041963	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Perld1	3.32279	7.71592	1.21544307	3.32379	7.71692	1.21519592	0.00565535	No
						Pes1	62.8386	40.0019	-0.6515825	62.8396	40.0029	-0.6515694	0.0460899	No
						Pet100	15.3847	55.7934	1.85859816	15.3857	55.7944	1.85853025	0.00022079	No
						Pex11a	0.0921542	11.9444	7.01806875	0.0931542	11.9454	7.00261863	0.00022079	No
						Pex11g	0.610607	7.78641	3.67264228	0.611607	7.78741	3.67046676	0.0072515	No
						Pex12	1.06126	4.58417	2.1108824	1.06226	4.58517	2.1098383	0.00113657	No
						Pex13	10.9859	21.3253	0.95691297	10.9869	21.3263	0.95684931	0.0180483	No
						Pex2	5.24881	13.8556	1.40040691	5.24981	13.8566	1.40023619	0.00242102	No
						Pex7	0.95648	10.495	3.45582355	0.95748	10.496	3.45445346	0.00022079	No
						Pfdn5	185.037	385.185	1.05773774	185.038	385.186	1.05773369	0.00632443	No
						Pfkb2	11.6224	5.36842	-1.1143386	11.6234	5.36942	-1.114194	0.00805135	No
						Pfkm	11.0611	31.4741	1.50867026	11.0621	31.4751	1.50858567	0.00022079	No
						Pfn1	2597.73	743.723	-1.8044142	2597.731	743.724	-1.8044128	0.00096553	No
						Pfn2	1.30769	26.6191	4.34736931	1.30869	26.6201	4.34632069	0.00949299	No
						Pgam1	75.5254	234.737	1.63601144	75.5264	234.738	1.63599848	0.00022079	No
						Pgam5	25.9654	15.4355	-0.7503382	25.9664	15.4365	-0.7503003	0.037664	No
						Pgk1	160.322	338.918	1.07996385	160.323	338.919	1.07995911	0.00288641	No
						Pgls	28.9291	71.8125	1.31171355	28.9301	71.8135	1.31168377	0.00304333	No
						Pgm1	4.43136	20.6	2.2168229	4.43236	20.601	2.2165674	0.00022079	No
						PGM2	5.19388	13.1701	1.34238171	5.19488	13.1711	1.34221351	0.00096553	No
						Pgm2l1	9.53932	0.935076	-3.3507309	9.54032	0.936076	-3.3493401	0.00022079	No
						Pgm5	0	1.88874	inf	0.001	1.88974	10.883972	0.00022079	No
						Pgpep1	3.05574	60.3672	4.30417119	3.05674	60.3682	4.30372304	0.00022079	No
						Phactr4	7.43629	15.631	1.07175514	7.43729	15.632	1.07165344	0.00147497	No
						Phb	37.2583	104.489	1.48771732	37.2593	104.49	1.4876924	0.00022079	No
						Phc1	14.498	8.49318	-0.7714772	14.499	8.49418	-0.7714068	0.0335918	No
						Phc3	22.1877	5.33021	-2.0574958	22.1887	5.33121	-2.0572902	0.00022079	No
						Phf11b	853.933	117.033	-2.8672075	853.934	117.034	-2.8671969	0.00022079	No
						Phf12	37.538	12.6692	-1.5670264	37.539	12.6702	-1.5669509	0.00022079	No
						Phf15	24.6688	9.36189	-1.3978158	24.6698	9.36289	-1.3977202	0.00022079	No
						PHF20L1	25.5445	7.63942	-1.7414777	25.5455	7.64042	-1.7413453	0.00022079	No
						Phf21a	34.2553	12.7033	-1.4311239	34.2563	12.7043	-1.4310524	0.00164037	No
						Phf23	32.9404	19.5083	-0.75577	32.9414	19.5093	-0.7557399	0.0334772	No
						Phf3	20.7961	10.738	-0.9535877	20.7971	10.739	-0.9535227	0.0072515	No
						Phf8	26.6812	5.12052	-2.3814613	26.6822	5.12152	-2.3812337	0.00022079	No
						Phgdh	20.9813	37.035	0.81978527	20.9823	37.036	0.81975546	0.0200735	No
						Phip	25.3492	5.01114	-2.3387295	25.3502	5.01214	-2.3384985	0.00022079	No
						PHKG2	4.77497	1.72599	-1.4680676	4.77597	1.72699	-1.467534	0.00436941	No
						Phlda3	0.213898	9.66916	5.49839566	0.214898	9.67016	5.4918158	0.00480115	No
						Phldb1	0.0430009	25.9918	9.23947398	0.0440009	25.9928	9.2063633	0.00022079	No
						Phospho2	11.1439	5.89337	-0.9190895	11.1449	5.89437	-0.9189741	0.0160426	No
						Phtf1	28.6444	15.166	-0.9174125	28.6454	15.167	-0.9173677	0.0205337	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Phtf2	12.0508	4.44342	-1.4393865	12.0518	4.44442	-1.4391816	0.00022079	No
						Phyh	31.9574	381.111	3.57598931	31.9584	381.112	3.57594795	0.00022079	No
						Pias1	26.4002	13.2124	-0.9986563	26.4012	13.2134	-0.9986018	0.0428089	No
						Picalm	33.52	133.416	1.99283764	33.521	133.417	1.99280541	0.00022079	No
						Pick1	7.53205	17.3165	1.20103288	7.53305	17.3175	1.20092466	0.00436941	No
						Pigh	2.22898	14.1081	2.66206813	2.22998	14.1091	2.66152329	0.00022079	No
						Pigk	18.8754	33.6262	0.83307854	18.8764	33.6272	0.83304501	0.0251614	No
						Pigm	6.56609	2.6149	-1.3282787	6.56709	2.6159	-1.3279468	0.0195167	No
						Pigr	0.205873	59.5246	8.17558758	0.206873	59.5256	8.16862108	0.00318754	No
						Pigx	26.7575	14.392	-0.8946762	26.7585	14.393	-0.8946299	0.0391441	No
						Pigy	15.7239	48.6636	1.62988396	15.7249	48.6646	1.62982185	0.00022079	No
						Pik3ap1	4.18191	7.99628	0.93516698	4.18291	7.99728	0.93500244	0.0178094	No
						Pik3c2b	9.75717	2.33323	-2.0641342	9.75817	2.33423	-2.0636639	0.00022079	No
						PIK3CA	26.852	10.9398	-1.2954432	26.853	10.9408	-1.295365	0.00022079	No
						Pik3cb	2.60297	8.3088	1.67448145	2.60397	8.3098	1.67410093	0.00494367	No
						Pik3cg	11.7201	0.940941	-3.6387368	11.7211	0.941941	-3.6373275	0.00022079	No
						Pik3ip1	219.396	5.35922	-5.3553704	219.397	5.36022	-5.3551078	0.00130998	No
						Pik3r1	80.0934	33.9396	-1.2387138	80.0944	33.9406	-1.2386893	0.0208857	No
						Pik3r2	9.20057	15.5606	0.75810254	9.20157	15.5616	0.75803846	0.0361326	No
						Pik3r3	1.4856	8.65555	2.54257978	1.4866	8.65655	2.54177565	0.00288641	No
						Pik3r5	41.9555	2.87353	-3.8679639	41.9565	2.87453	-3.8674963	0.00022079	No
						Pikfyve	10.6164	4.89431	-1.1171172	10.6174	4.89531	-1.1169584	0.00211842	No
						Pim2	40.5489	12.5759	-1.6890011	40.5499	12.5769	-1.688922	0.00022079	No
						Pin1	28.4976	57.6747	1.01709817	28.4986	57.6757	1.01707256	0.00605729	No
						Pin4	83.8481	164.706	0.97404311	83.8491	164.707	0.97403467	0.0128843	No
						Pink1	19.1624	59.5977	1.63697839	19.1634	59.5987	1.63692731	0.00096553	No
						Pinlyp	0	3.43781	inf	0.001	3.43881	11.7476937	0.00022079	No
						Pip4k2a	85.5478	7.63609	-3.4858247	85.5488	7.63709	-3.4856527	0.00022079	No
						Pip4k2b	20.5049	6.73168	-1.6069302	20.5059	6.73268	-1.6067863	0.012511	No
						Pip4k2c	13.1976	28.9901	1.13528471	13.1986	28.9911	1.13522517	0.00060553	No
						Pip5k1a	20.9326	11.4726	-0.8675591	20.9336	11.4736	-0.8675023	0.0184986	No
						PIP5K1C	30.4834	12.0693	-1.3366818	30.4844	12.0703	-1.3366096	0.00022079	No
						Pirt	0	2.57408	inf	0.001	2.57508	11.3304015	0.00022079	No
						Pitpna	181.988	72.2283	-1.3332072	181.989	72.2293	-1.3331952	0.00022079	No
						Pitpnm2	65.8454	9.64619	-2.7710515	65.8464	9.64719	-2.7709239	0.00022079	No
						Pitpnm3	0	7.09201	inf	0.001	7.09301	12.7921823	0.00605729	No
						Pja1	11.0427	42.4817	1.94374854	11.0437	42.4827	1.94365186	0.00022079	No
						Pkd2	0.174328	20.0672	6.84689121	0.175328	20.0682	6.838711	0.00022079	No
						Pkdcc	3.28987	17.0519	2.37383002	3.29087	17.0529	2.37347616	0.00022079	No
						Pkhd1	0	33.6277	inf	0.001	33.6287	15.0374054	0.00022079	No
						Pkia	0.599214	6.02068	3.3287832	0.600214	6.02168	3.32661717	0.00022079	No
						Pkig	0.280005	72.0193	8.00678718	0.281005	72.0203	8.001664	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pkmyt1	8.10639	2.54284	-1.6726189	8.10739	2.54384	-1.6722296	0.00922576	No
						Pkn3	80.7668	37.0674	-1.1236115	80.7678	37.0684	-1.1235904	0.0341219	No
						Pknox1	10.7433	4.27541	-1.3293025	10.7443	4.27641	-1.3290994	0.00480115	No
						Pkp1	0	1.52109	inf	0.001	1.52209	10.571838	0.00698733	No
						PKP2	0	17.6385	inf	0.001	17.6395	14.106522	0.00022079	No
						Pkp4	8.22332	60.2938	2.87421678	8.22432	60.2948	2.87406528	0.00022079	No
						Pla2g12a	4.49049	23.6766	2.39851714	4.49149	23.6776	2.39825683	0.00022079	No
						Pla2g15	2.59849	16.7653	2.68973289	2.59949	16.7663	2.68926384	0.00565535	No
						Pla2g16	334.537	163.766	-1.0305299	334.538	163.767	-1.0305254	0.00363736	No
						Pla2g4a	0.108332	4.62302	5.41530424	0.109332	4.62402	5.40236001	0.00407863	No
						Pla2g6	6.16351	17.3394	1.4922299	6.16451	17.3404	1.49207905	0.00273202	No
						Pla2g7	0.542635	3.77834	2.79969852	0.543635	3.77934	2.79742407	0.01483	No
						Plac8	2120.25	248.002	-3.0958107	2120.251	248.003	-3.0958056	0.00022079	No
						Plagl2	9.89905	2.23499	-2.1470217	9.90005	2.23599	-2.1465221	0.00022079	No
						Plat	1.47997	108.523	6.19628909	1.48097	108.524	6.1953279	0.00022079	No
						Plau	0	294.088	inf	0.001	294.089	18.1658933	0.00022079	No
						Plaur	0.701305	3.07009	2.13016703	0.702305	3.07109	2.12858118	0.0486226	No
						Plbd1	0.683974	2.07852	1.60354324	0.684974	2.07952	1.60212943	0.0450883	No
						Plbd2	17.5202	40.4169	1.20593943	17.5212	40.4179	1.20589278	0.00407863	No
						Plcb1	0.0284797	6.36282	7.80358855	0.0294797	6.36382	7.75402738	0.0229153	No
						Plcb3	0.702171	5.69912	3.02084485	0.703171	5.70012	3.01904481	0.00041963	No
						Plcd1	2.31579	5.80245	1.32515775	2.31679	5.80345	1.32478352	0.0229153	No
						Plcd3	0.0355431	5.26178	7.2098376	0.0365431	5.26278	7.17008225	0.00060553	No
						Plce1	0	1.39839	inf	0.001	1.39939	10.4505824	0.00022079	No
						Plcg1	198.373	32.9639	-2.5892568	198.374	32.9649	-2.5892203	0.00022079	No
						Plch2	0.63033	4.74461	2.91211027	0.63133	4.74561	2.91012733	0.00242102	No
						Plcl1	0.669946	6.25313	3.22246179	0.670946	6.25413	3.22054064	0.0123897	No
						Plcl2	60.549	8.23287	-2.8786358	60.55	8.23387	-2.8784844	0.00022079	No
						Pld1	0.0514321	4.39465	6.4169354	0.0524321	4.39565	6.38948238	0.00041963	No
						Pld3	8.51716	19.9468	1.22771296	8.51816	19.9478	1.22761591	0.0019604	No
						Plekha2	36.3948	14.1902	-1.3588374	36.3958	14.1912	-1.3587754	0.00022079	No
						Plekha6	0.494967	24.5212	5.63055343	0.495967	24.5222	5.62770047	0.00022079	No
						Plekha7	5.44435	16.6508	1.61275977	5.44535	16.6518	1.61258145	0.00022079	No
						Plekha1	0.275474	8.66256	4.97480538	0.276474	8.66356	4.96974426	0.00896558	No
						Plekha2	4.0901	80.2863	4.29494581	4.0911	80.2873	4.29461109	0.00022079	No
						Plekhd1	0.233564	1.42467	2.60873795	0.234564	1.42567	2.60358656	0.0315052	No
						Plekhd2	21.0928	40.0169	0.92385879	21.0938	40.0179	0.92382644	0.00392909	No
						Plekhd3	12.6138	3.33382	-1.9197548	12.6148	3.33482	-1.9194365	0.00022079	No
						Plekhd4	1.04801	35.3032	5.07407457	1.04901	35.3042	5.07273949	0.00022079	No
						Plekhd5	43.6929	8.4156	-2.3762608	43.6939	8.4166	-2.3761224	0.00022079	No
						Plekhd6	0.664271	1.98121	1.57653797	0.665271	1.98221	1.57509576	0.0431196	No
						Plekhd7	0.0574168	5.58526	6.6040077	0.0584168	5.58626	6.57935558	0.00348745	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Plekhh2	0	1.97388	inf	0.001	1.97488	10.9475493	0.00605729	No
						Plekhh1	16.1454	7.87362	-1.0360242	16.1464	7.87462	-1.0359303	0.00645389	No
						Plekho1	1.69169	14.3057	3.08005297	1.69269	14.3067	3.07930125	0.00022079	No
						Plekho2	6.94527	3.98778	-0.800445	6.94627	3.98878	-0.8002909	0.0310553	No
						Plgrkt	2.40583	7.7784	1.69293872	2.40683	7.7794	1.69252464	0.0208857	No
						Plin2	1.38628	39.6289	4.83726234	1.38728	39.6299	4.83625842	0.00022079	No
						Plk2	0.819342	7.9574	3.27975945	0.820342	7.9584	3.27818101	0.00022079	No
						Plk3	0.496381	3.97936	3.00301662	0.497381	3.98036	3.00047562	0.00060553	No
						Plod2	0.109709	29.3623	8.06413929	0.110709	29.3633	8.05109779	0.00022079	No
						Pls1	0.334275	22.5296	6.07464243	0.335275	22.5306	6.07039701	0.00022079	No
						Pls3	0	35.669	inf	0.001	35.67	15.1224236	0.00022079	No
						Plscr1	0.237901	18.7037	6.29681855	0.238901	18.7047	6.29084412	0.00022079	No
						Plxdc2	3.57938	62.1633	4.11828147	3.58038	62.1643	4.11790168	0.00022079	No
						Plxna2	0	0.879392	inf	0.001	0.880392	9.78200223	0.00060553	No
						Plxna3	0.0523989	0.910883	4.11965733	0.0533989	0.911883	4.0939668	0.00436941	No
						Plxnb1	0.235456	5.53373	4.55472286	0.236456	5.53473	4.54886928	0.00022079	No
						Plxnc1	1.49203	0.300848	-2.3101699	1.49303	0.301848	-2.306349	0.00494367	No
						Pm20d1	0.0718268	18.3135	7.99416958	0.0728268	18.3145	7.97430114	0.00096553	No
						Pm20d2	0.284025	1.75229	2.62515173	0.285025	1.75329	2.62090427	0.0322751	No
						Pmepa1	4.99522	104.961	4.39316134	4.99622	104.962	4.3928863	0.00022079	No
						Pmfbp1	0	18.7907	inf	0.001	18.7917	14.197808	0.00022079	No
						Pmm1	13.4165	95.1519	2.8262241	13.4175	95.1529	2.82613174	0.00022079	No
						Pmp22	0.117843	2.45939	4.38336256	0.118843	2.46039	4.37175818	0.010907	No
						Pmpcb	49.3839	86.806	0.81375399	49.3849	86.807	0.8137414	0.0496219	No
						Pnlsr	197.063	28.7612	-2.7764611	197.064	28.7622	-2.7764183	0.00022079	No
						Pnkd	39.8848	191.295	2.26188822	39.8858	191.296	2.26185959	0.044811	No
						Pnn	170.012	32.2621	-2.3977243	170.013	32.2631	-2.3976881	0.00022079	No
						Pnpla6	6.17192	15.27	1.3069088	6.17292	15.271	1.30676954	0.0130042	No
						Pnpt1	13.4815	7.61414	-0.824228	13.4825	7.61514	-0.8241456	0.0498147	No
						Pnrc1	164.66	60.9002	-1.4349713	164.661	60.9012	-1.4349563	0.00022079	No
						Pnrc2	75.9866	47.6857	-0.6721883	75.9876	47.6867	-0.6721771	0.0360158	No
						Podn	0.0565067	3.54661	5.97187495	0.0575067	3.54761	5.94697356	0.0351784	No
						Podxl	0.037284	14.5892	8.61212841	0.038284	14.5902	8.57404237	0.00672121	No
						Pofut2	9.04666	30.2535	1.7416449	9.04766	30.2545	1.74153312	0.00022079	No
						Pogz	21.2295	7.20717	-1.5585656	21.2305	7.20817	-1.5584334	0.00022079	No
						Pola1	4.03403	2.14588	-0.9106524	4.03503	2.14688	-0.9103378	0.0315052	No
						Pola2	8.28101	23.5361	1.50699664	8.28201	23.5371	1.50688373	0.00392909	No
						Pold2	19.0251	8.72558	-1.1245811	19.0261	8.72658	-1.1244916	0.00618779	No
						Poldip2	20.2372	71.9983	1.83095315	20.2382	71.9993	1.8309019	0.00022079	No
						Poldip3	24.0093	14.1975	-0.7579564	24.0103	14.1985	-0.7579149	0.0313964	No
						Pole2	9.94212	0.952284	-3.3840897	9.94312	0.953284	-3.3827206	0.00022079	No
						Poli	3.39093	1.22765	-1.4657817	3.39193	1.22865	-1.4650324	0.0189519	No

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						Polk	3.10823	1.31084	-1.2456017	3.10923	1.31184	-1.2449656	0.0241707	No
						Poll	7.64856	13.3838	0.80722773	7.64956	13.3848	0.80714691	0.0445136	No
						Polm	15.6536	4.35629	-1.8453226	15.6546	4.35729	-1.8450836	0.00022079	No
						Polr1b	17.7838	4.41828	-2.0090069	17.7848	4.41928	-2.0087615	0.00022079	No
						Polr1e	20.9313	6.33717	-1.7237513	20.9323	6.33817	-1.7235926	0.00022079	No
						Polr2d	55.5031	26.6164	-1.0602529	55.5041	26.6174	-1.0602247	0.00318754	No
						Polr2f	16.5023	46.0485	1.48048705	16.5033	46.0495	1.48043096	0.00022079	No
						Polr3e	24.4911	9.78577	-1.3235003	24.4921	9.78677	-1.3234118	0.00130998	No
						Polr3f	7.7362	3.04114	-1.3470129	7.7372	3.04214	-1.346725	0.02809	No
						Polr3k	30.7493	63.993	1.05736053	30.7503	63.994	1.05733616	0.0019604	No
						Pom121	15.5706	5.59194	-1.4774038	15.5716	5.59294	-1.4772384	0.00022079	No
						Pomgnt1	9.57888	28.6155	1.57886793	9.57988	28.6165	1.57876774	0.00022079	No
						Pon2	91.7164	28.9629	-1.6629737	91.7174	28.9639	-1.6629396	0.00022079	No
						Pop1	2.428	6.03725	1.31412312	2.429	6.03825	1.313768	0.0251614	No
						Popdc2	0.406443	1.32475	1.70459518	0.407443	1.32575	1.7021386	0.0427098	No
						Por	16.1677	32.5696	1.01041154	16.1687	32.5706	1.01036661	0.00257873	No
						Porcn	0.0929983	6.81658	6.19569994	0.0939983	6.81758	6.18048125	0.00318754	No
						Pot1	18.6252	5.76764	-1.6912029	18.6262	5.76864	-1.6910302	0.00022079	No
						Pot1b	16.092	3.91969	-2.0375322	16.093	3.92069	-2.0372538	0.00523184	No
						Pou2af1	7.82824	3.63456	-1.1069073	7.82924	3.63556	-1.1066947	0.018847	No
						Pou2f1	7.05156	2.83565	-1.314263	7.05256	2.83665	-1.3139589	0.00551024	No
						Ppa2	21.8365	80.2157	1.877143	21.8375	80.2167	1.87709491	0.00022079	No
						Ppap2a	2.09658	76.6296	5.19179199	2.09758	76.6306	5.19112286	0.00022079	No
						Ppap2b	0.167176	42.1306	7.9773569	0.168176	42.1316	7.96878706	0.00130998	No
						Ppap2c	3.23985	29.6763	3.1953123	3.24085	29.6773	3.19491569	0.00022079	No
						Ppapdc2	13.5784	7.66937	-0.8241335	13.5794	7.67037	-0.8240517	0.0467065	No
						Ppard	4.61351	12.5876	1.44806655	4.61451	12.5886	1.44786848	0.00022079	No
						Ppcdc	3.82153	9.23514	1.27298348	3.82253	9.23614	1.27276222	0.00896558	No
						Ppdpf	65.0995	188.428	1.53329499	65.1005	188.429	1.53328049	0.00022079	No
						Ppfia1	16.5355	9.34137	-0.8238606	16.5365	9.34237	-0.8237934	0.0133754	No
						Ppfia4	2.85889	11.7805	2.04287376	2.85989	11.7815	2.04249167	0.0279776	No
						Ppfibp1	9.36911	43.766	2.22382662	9.37011	43.767	2.22370561	0.00022079	No
						Ppfibp2	0.11979	10.4345	6.44471018	0.12079	10.4355	6.43285489	0.00242102	No
						Pphln1	15.83	6.58085	-1.2663154	15.831	6.58185	-1.2661873	0.00022079	No
						Ppic	0	68.6979	inf	0.001	68.6989	16.0679994	0.00022079	No
						Ppig	36.0918	14.6437	-1.301391	36.0928	14.6447	-1.3013324	0.00022079	No
						Ppil4	20.3137	7.07611	-1.5214247	20.3147	7.07711	-1.5212918	0.00022079	No
						Ppip5k1	4.0212	12.9611	1.68849017	4.0222	12.9621	1.68824274	0.00060553	No
						Ppl	1.70414	17.9123	3.39383483	1.70514	17.9133	3.39306903	0.00022079	No
						Ppm1a	62.1893	29.9803	-1.0526516	62.1903	29.9813	-1.0526266	0.0117698	No
						Ppm1d	19.3276	6.86341	-1.4936651	19.3286	6.86441	-1.4935295	0.00304332	No
						Ppm1f	9.97917	4.62373	-1.1098627	9.98017	4.62473	-1.1096952	0.00130998	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ppm1g	72.1629	44.2881	-0.7043382	72.1639	44.2891	-0.7043256	0.0300208	No
						Ppox	6.58438	28.1019	2.09354817	6.58538	28.1029	2.09338042	0.00022079	No
						PPP1R10	17.4338	9.37899	-0.8943826	17.4348	9.37999	-0.8943115	0.0178094	No
						PPP1R12A	49.6106	9.57842	-2.3727888	49.6116	9.57942	-2.3726673	0.00022079	No
						PPP1R12B	11.6227	4.48872	-1.3725692	11.6237	4.48972	-1.372372	0.00022079	No
						PPP1R13B	2.41727	7.29221	1.59297748	2.41827	7.29321	1.5925786	0.00778313	No
						PPP1R13L	0.281223	4.33192	3.9452201	0.282223	4.33292	3.94043213	0.00523184	No
						PPP1R15B	25.0646	10.8994	-1.2014025	25.0656	10.9004	-1.2013277	0.00022079	No
						PPP1R16A	2.02102	27.1159	3.74598355	2.02202	27.1169	3.74532309	0.00022079	No
						PPP1R16B	41.4476	7.16331	-2.5325903	41.4486	7.16431	-2.5324237	0.00022079	No
						PPP1R18	47.1707	14.4611	-1.7057137	47.1717	14.4621	-1.7056445	0.0172336	No
						PPP1R1B	0	53.7988	inf	0.001	53.7998	15.7153132	0.00022079	No
						PPP1R26	0.33836	3.55261	3.39224839	0.33936	3.55361	3.38839693	0.00022079	No
						PPP1R36	0.511987	30.6391	5.90312293	0.512987	30.6401	5.90035493	0.00227055	No
						PPP1R3C	0	2.36938	inf	0.001	2.37038	11.2109026	0.00022079	No
						PPP1R9A	0	5.07355	inf	0.001	5.07455	12.3090642	0.00022079	No
						PPP2CB	34.7057	95.8189	1.46513762	34.7067	95.8199	1.46511111	0.00022079	No
						PPP2R1A	54.8631	100.061	0.86697173	54.8641	100.062	0.86695985	0.0161624	No
						PPP2R1B	8.02811	22.1769	1.46592542	8.02911	22.1779	1.46581078	0.00041963	No
						PPP2R2A	59.1968	28.6631	-1.0463245	59.1978	28.6641	-1.0462986	0.00096553	No
						PPP2R2B	0	8.97559	inf	0.001	8.97659	13.1319518	0.00022079	No
						PPP2R3A	0.165924	8.14672	5.61762484	0.166924	8.14772	5.6091331	0.00060553	No
						PPP2R5A	117.465	68.1727	-0.7849649	117.466	68.1737	-0.784956	0.0258481	No
						PPP2R5C	142.94	40.1287	-1.8327034	142.941	40.1297	-1.8326775	0.00022079	No
						PPP4C	69.0549	41.4382	-0.7367825	69.0559	41.4392	-0.7367685	0.0236064	No
						PPP4R2	40.9295	22.4568	-0.8659887	40.9305	22.4578	-0.8659597	0.0110257	No
						PPP6R1	137.261	68.3008	-1.0069474	137.262	68.3018	-1.0069368	0.0145886	No
						PPP6R2	39.3218	12.5032	-1.653032	39.3228	12.5042	-1.6529533	0.012146	No
						PPRC1	9.70627	3.86373	-1.3289227	9.70727	3.86473	-1.328698	0.00022079	No
						PQLC1	3.75497	42.0028	3.48361222	3.75597	42.0038	3.48326241	0.00022079	No
						PQLC2	1.9091	4.87514	1.35255098	1.9101	4.87614	1.35209138	0.0395387	No
						Pragmin	1.01686	4.43698	2.12545699	1.01786	4.43798	2.12436402	0.00078858	No
						Prc1	0.77732	3.06569	1.97963128	0.77832	3.06669	1.978247	0.00791314	No
						Prcp	7.67496	2.99107	-1.3594976	7.67596	2.99207	-1.3592033	0.00436941	No
						Prdm15	8.14848	1.86657	-2.1261414	8.14948	1.86757	-2.1255457	0.00022079	No
						Prdm2	26.1167	12.2824	-1.0883801	26.1177	12.2834	-1.0883179	0.012146	No
						Prdx1	117.581	329.444	1.4863783	117.582	329.445	1.48637041	0.00022079	No
						Prdx2	124.941	413.52	1.72671013	124.942	413.521	1.72670207	0.00022079	No
						Prdx3	18.0932	79.2699	2.13132557	18.0942	79.2709	2.13126403	0.00022079	No
						Prdx5	78.0466	766.245	3.29539807	78.0476	766.246	3.29538146	0.00022079	No
						Prdx6	61.0902	185.67	1.60372786	61.0912	185.671	1.60371201	0.00022079	No
						Preb	11.8706	38.1976	1.68608914	11.8716	38.1986	1.68600538	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prex1	109.469	7.72926	-3.8240483	109.47	7.73026	-3.8238748	0.00022079	No
						Prf1	31.8726	1.03849	-4.9397575	31.8736	1.03949	-4.9384142	0.00022079	No
						Prickle1	0.199737	3.05274	3.93393121	0.200737	3.05374	3.92719877	0.00022079	No
						Prickle3	34.7105	17.9802	-0.9489631	34.7115	17.9812	-0.9489244	0.0245052	No
						Prim1	17.5566	9.50697	-0.884956	17.5576	9.50797	-0.8848864	0.037664	No
						Prkaa1	29.6182	11.0054	-1.4282724	29.6192	11.0064	-1.42819	0.00022079	No
						Prkaa2	0.0335862	11.1401	8.37367789	0.0345862	11.1411	8.33147945	0.00060553	No
						Prkab1	44.8514	79.2758	0.82172751	44.8524	79.2768	0.82171355	0.0083198	No
						Prkacb	52.128	15.7223	-1.7292462	52.129	15.7233	-1.7291821	0.00022079	No
						Prkar1b	0	12.1725	inf	0.001	12.1735	13.5714564	0.00022079	No
						Prkar2b	33.5947	4.72758	-2.8290599	33.5957	4.72858	-2.8287977	0.00022079	No
						Prkca	21.4957	6.32463	-1.7649951	21.4967	6.32563	-1.7648341	0.00022079	No
						Prkcb	70.1192	11.4418	-2.6154955	70.1202	11.4428	-2.61539	0.00022079	No
						Prkcd	11.9079	23.8483	1.00196742	11.9089	23.8493	1.00190676	0.00672121	No
						Prkch	126.635	8.58698	-3.8823816	126.636	8.58798	-3.8822249	0.00022079	No
						Prkci	6.64287	23.1983	1.8041405	6.64387	23.1993	1.80398553	0.00022079	No
						Prkccq	150.432	35.4636	-2.0847006	150.433	35.4646	-2.0846695	0.00022079	No
						Prkcz	4.35235	28.3263	2.70227569	4.35335	28.3273	2.70199518	0.00022079	No
						Prkd2	86.2598	19.6755	-2.1322881	86.2608	19.6765	-2.1322315	0.00022079	No
						Prkd3	22.1707	6.61664	-1.7444836	22.1717	6.61764	-1.7443307	0.00022079	No
						Prkdc	11.5403	2.96262	-1.9617352	11.5413	2.96362	-1.9613734	0.00022079	No
						Prkra	10.1753	38.1236	1.90561303	10.1763	38.1246	1.90550909	0.00041963	No
						Prkrir	29.5885	12.129	-1.286576	29.5895	12.13	-1.2865058	0.00022079	No
						Prkx	12.1736	7.39221	-0.7196782	12.1746	7.39321	-0.7196016	0.0456891	No
						Prlr	0.167306	8.4056	5.65078971	0.168306	8.4066	5.64236392	0.00022079	No
						Prmt3	17.8544	6.92754	-1.3658646	17.8554	6.92854	-1.3657372	0.00211842	No
						Prmt7	13.9773	6.9101	-1.0163072	13.9783	6.9111	-1.0162017	0.0153152	No
						Prnp	12.1636	21.2106	0.80221515	12.1646	21.2116	0.80216457	0.0299071	No
						Prodh2	0	81.5985	inf	0.001	81.5995	16.3162727	0.00022079	No
						Prom1	0.749401	19.8704	4.7287392	0.750401	19.8714	4.72688796	0.00022079	No
						Pros1	1.24205	3.848	1.63138555	1.24305	3.849	1.63059934	0.00333723	No
						Prosc	19.944	43.648	1.12996076	19.945	43.649	1.12992148	0.00494367	No
						Proser1	12.6518	4.17376	-1.5999231	12.6528	4.17476	-1.5996915	0.00022079	No
						Proser2	0	21.7748	inf	0.001	21.7758	14.4104381	0.00022079	No
						Prpf18	29.713	13.4349	-1.1451087	29.714	13.4359	-1.1450499	0.0170023	No
						Prpf38a	29.0932	13.7854	-1.0775409	29.0942	13.7864	-1.0774858	0.00333723	No
						Prpf38b	70.7156	24.9463	-1.5032027	70.7166	24.9473	-1.5031652	0.00022079	No
						Prpf39	62.5175	23.4664	-1.4136636	62.5185	23.4674	-1.4136252	0.00022079	No
						Prpf4	19.5707	7.83545	-1.3206073	19.5717	7.83645	-1.3204969	0.00041963	No
						Prpf40a	31.1417	13.3069	-1.2266732	31.1427	13.3079	-1.2266111	0.00060553	No
						Prpf8	51.012	22.0792	-1.2081488	51.013	22.0802	-1.2081117	0.00041963	No
						PRPS1	33.6126	8.95981	-1.9074621	33.6136	8.96081	-1.907344	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prps2	65.2466	30.996	-1.0738207	65.2476	30.997	-1.0737962	0.00096553	No
						Prr12	12.6176	6.79871	-0.8921046	12.6186	6.79971	-0.8920067	0.00909283	No
						Prr13	192.524	90.6989	-1.0858813	192.525	90.6999	-1.0858729	0.00227055	No
						Prr14l	10.8434	5.00593	-1.1151072	10.8444	5.00693	-1.114952	0.00778313	No
						Prr15l	0	83.1905	inf	0.001	83.1915	16.3441485	0.00022079	No
						Prr16	0	1.52013	inf	0.001	1.52113	10.5709277	0.00022079	No
						Prr5	0.661319	11.3351	4.09930696	0.662319	11.3361	4.09725433	0.00711928	No
						Prr7	22.4348	3.22963	-2.7962975	22.4358	3.23063	-2.7959152	0.00022079	No
						Prrc1	3.47336	7.60987	1.13153986	3.47436	7.61087	1.13131413	0.0257334	No
						Prrc2b	49.3052	18.0618	-1.4487981	49.3062	18.0628	-1.4487475	0.00147497	No
						Prrg2	0.618076	15.1863	4.61884236	0.619076	15.1873	4.61660507	0.00096553	No
						Prss12	0	3.05097	inf	0.001	3.05197	11.5755251	0.00022079	No
						Prss39	13.5452	3.40047	-1.9939756	13.5462	3.40147	-1.9936579	0.00041963	No
						Prss53	1.23529	8.60819	2.80086015	1.23629	8.60919	2.79986031	0.00318754	No
						Prss8	1.32739	72.6092	5.77348814	1.32839	72.6102	5.77242155	0.010144	No
						Prune	5.71658	20.8637	1.86777083	5.71758	20.8647	1.86758763	0.00130998	No
						Psap	141.917	271.81	0.93755112	141.918	271.811	0.93754626	0.00949299	No
						Psat1	6.53099	58.1633	3.15473552	6.53199	58.1643	3.15453944	0.00022079	No
						Psca	0.031915	107.138	11.712948	0.032915	107.139	11.6684509	0.020304	No
						Psd4	43.7557	6.0017	-2.8660279	43.7567	6.0027	-2.8658205	0.00022079	No
						Psip1	69.9356	9.10064	-2.9419871	69.9366	9.10164	-2.9418492	0.00022079	No
						Psma3l	2.47717	0.527107	-2.2325251	2.47817	0.528107	-2.230373	0.0458921	No
						Psmb11	0.240773	6.25102	4.69834609	0.241773	6.25202	4.69259735	0.00466383	No
						Psmb5	106.22	216.239	1.02557131	106.221	216.24	1.0255644	0.00147497	No
						Psmb6	75.8009	165.573	1.12718055	75.8019	165.574	1.12717023	0.00257873	No
						Psmb7	89.475	156.973	0.81095989	89.476	156.974	0.81095295	0.0142227	No
						Psmb8	165.513	72.5996	-1.188911	165.514	72.6006	-1.1888999	0.0220188	No
						Psmb9	135.409	47.6715	-1.5061247	135.41	47.6725	-1.5061051	0.00022079	No
						Psm8	30.5386	79.779	1.38537511	30.5396	79.78	1.38534596	0.00022079	No
						Psme1	768.012	433.274	-0.8258492	768.013	433.275	-0.8258477	0.0274201	No
						Psmg1	28.5669	56.4047	0.98147089	28.5679	56.4057	0.98144597	0.00870822	No
						PSMG3	12.2724	37.9883	1.63013774	12.2734	37.9893	1.63005817	0.00147497	No
						Psph	10.3982	38.118	1.87413862	10.3992	38.119	1.87403773	0.00022079	No
						Pstpip1	116.051	53.6224	-1.1138513	116.052	53.6234	-1.1138368	0.0130042	No
						Ptbp2	22.5981	5.18966	-2.1224896	22.5991	5.19066	-2.1222754	0.00022079	No
						Ptbp3	69.957	21.6452	-1.6924213	69.958	21.6462	-1.6923753	0.00022079	No
						Ptch1	3.75673	7.80768	1.05541649	3.75773	7.80868	1.05521728	0.0130042	No
						Ptchd3	0	1.04657	inf	0.001	1.04757	10.0328309	0.00022079	No
						Pten	60.9937	23.0919	-1.4012734	60.9947	23.0929	-1.4012345	0.00022079	No
						Pter	1.28735	77.6053	5.91367894	1.28835	77.6063	5.91257729	0.00022079	No
						Ptger2	11.9195	5.05162	-1.2385057	11.9205	5.05262	-1.2383412	0.033901	No
						Ptger3	1.31956	39.2233	4.89358206	1.32056	39.2243	4.89252594	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ptger4	22.2503	5.35658	-2.0544407	22.2513	5.35758	-2.0542362	0.0149559	No
						Ptges2	8.87477	35.9636	2.01875581	8.87577	35.9646	2.01863337	0.00022079	No
						Ptges3l1	12.3334	3.62257	-1.7674851	12.3344	3.62357	-1.7672039	0.0162859	No
						Ptgr	0	1.64766	inf	0.001	1.64866	10.6870782	0.00022079	No
						Ptgrn	0.44611	21.9321	5.61950066	0.44711	21.9331	5.61633611	0.00022079	No
						Ptgr2	11.0445	33.0493	1.58129161	11.0455	33.0503	1.58120464	0.00022079	No
						Ptgs1	0.345267	15.7577	5.51220071	0.346267	15.7587	5.50811981	0.00022079	No
						Pth1r	0	162.081	inf	0.001	162.082	17.3063644	0.00022079	No
						Ptk2	2.83292	22.428	2.98493921	2.83392	22.429	2.98449436	0.00022079	No
						Ptk2b	70.3857	15.8228	-2.1532774	70.3867	15.8238	-2.1532068	0.00022079	No
						Ptn	0	17.7605	inf	0.001	17.7615	14.1164658	0.00022079	No
						PTP4A2	349.98	147.137	-1.2501124	349.981	147.138	-1.2501067	0.0083198	No
						Ptp4a3	78.4489	16.6346	-2.237566	78.4499	16.6356	-2.2374977	0.00022079	No
						Ptpdc1	2.83907	8.5536	1.59111332	2.84007	8.5546	1.59077391	0.00022079	No
						Ptpla	1.32775	11.3005	3.08933117	1.32875	11.3015	3.08837267	0.00658515	No
						Ptplad1	7.53837	13.6405	0.85557202	7.53937	13.6415	0.85548641	0.0222379	No
						Ptplad2	0.221768	16.0435	6.17679389	0.222768	16.0445	6.17039301	0.00096553	No
						Ptpn1	32.9755	8.63752	-1.9327055	32.9765	8.63852	-1.9325822	0.00022079	No
						Ptpn12	11.8075	19.3091	0.70957739	11.8085	19.3101	0.70952992	0.0486226	No
						Ptpn13	0.621931	69.4487	6.80304935	0.622931	69.4497	6.80075228	0.00022079	No
						Ptpn18	172.204	60.1711	-1.516976	172.205	60.1721	-1.5169604	0.00022079	No
						PTPN2	51.8583	20.9381	-1.3084444	51.8593	20.9391	-1.3084033	0.0019604	No
						Ptpn21	0.0671448	7.86811	6.87259764	0.0681448	7.86911	6.85145309	0.00022079	No
						Ptpn22	170.253	8.37365	-4.3456798	170.254	8.37465	-4.345516	0.00022079	No
						Ptpn23	6.23718	14.5456	1.22161701	6.23818	14.5466	1.2214849	0.00130998	No
						Ptpn7	12.9722	4.1624	-1.6399357	12.9732	4.1634	-1.6397003	0.00060553	No
						Ptprb	0	4.87627	inf	0.001	4.87727	12.2518581	0.00022079	No
						Ptprc	761.188	10.8482	-6.1327252	761.189	10.8492	-6.1325941	0.00022079	No
						Ptprcap	496.189	85.5996	-2.5352138	496.19	85.6006	-2.5351998	0.00113657	No
						Ptprd	0	7.62004	inf	0.001	7.62104	12.8957722	0.00022079	No
						Ptprf	15.6709	36.2896	1.21146812	15.6719	36.2906	1.21141581	0.00288641	No
						PTPRG	0.272859	4.12165	3.91699446	0.273859	4.12265	3.91206679	0.00147497	No
						Ptprj	1.79568	14.4462	3.00808787	1.79668	14.4472	3.00738453	0.00536605	No
						Ptprk	1.69059	16.3773	3.2760988	1.69159	16.3783	3.27533378	0.00022079	No
						Ptprm	0.636676	8.46772	3.73334228	0.637676	8.46872	3.73124844	0.00022079	No
						Ptpro	0.747592	4.29978	2.52393981	0.748592	4.30078	2.5223468	0.00436941	No
						Ptprrr	0	9.49044	inf	0.001	9.49144	13.2124113	0.00022079	No
						Ptpru	0	1.21968	inf	0.001	1.22068	10.2534693	0.00022079	No
						Pttglip	39.292	267.917	2.76947862	39.293	267.918	2.76944729	0.00022079	No
						Pum1	58.6134	15.5309	-1.9160891	58.6144	15.5319	-1.9160208	0.00022079	No
						Pum2	97.126	24.1101	-2.0102199	97.127	24.1111	-2.0101749	0.00022079	No
						Pus1	33.4623	19.1767	-0.8031821	33.4633	19.1777	-0.80315	0.0301242	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pus10	7.68587	1.8364	-2.0653282	7.68687	1.8374	-2.0647305	0.00288641	No
						Pus3	17.1746	4.69905	-1.8698355	17.1756	4.70005	-1.8696125	0.00041963	No
						Pus7	4.50871	1.92329	-1.2291384	4.50971	1.92429	-1.2287084	0.0406701	No
						Pus7l	7.22595	0.963473	-2.9068711	7.22695	0.964473	-2.9055742	0.0308614	No
						PVR	1.16979	4.47954	1.93710103	1.17079	4.48054	1.93619029	0.00211842	No
						Pvrl3	0.0454115	5.67825	6.96624487	0.0464115	5.67925	6.93507428	0.00041963	No
						Pwwp2a	31.5331	6.11332	-2.366839	31.5341	6.11432	-2.3666488	0.00022079	No
						Pxmp2	1.49943	45.0435	4.90883286	1.50043	45.0445	4.90790304	0.00180113	No
						Pycard	100.96	46.4321	-1.1205894	100.961	46.4331	-1.1205726	0.0160426	No
						Pygl	22.6914	11.0515	-1.0379034	22.6924	11.0525	-1.0378365	0.00494367	No
						Pyroxd2	3.00379	137.711	5.51871604	3.00479	137.712	5.5182463	0.00022079	No
						Qars	81.4004	45.0702	-0.852862	81.4014	45.0712	-0.8528477	0.0083198	No
						Qdpr	34.1641	109.319	1.67799114	34.1651	109.32	1.67796211	0.00022079	No
						QK	25.989	16.2405	-0.6783051	25.99	16.2415	-0.6782718	0.0390462	No
						Qrsl1	5.32249	11.6486	1.12998333	5.32349	11.6496	1.12983615	0.0135008	No
						Qser1	1.17191	2.99197	1.35223393	1.17291	2.99297	1.3514855	0.00645389	No
						Qsox1	2.341	9.81531	2.0679089	2.342	9.81631	2.06743973	0.00022079	No
						Qtrtd1	4.42616	1.71453	-1.3682425	4.42716	1.71553	-1.3677272	0.0128843	No
						R3hdm1	23.2369	6.76033	-1.781252	23.2379	6.76133	-1.7811007	0.00022079	No
						Rab1	23.8601	81.3939	1.77032059	23.8611	81.3949	1.77027785	0.00022079	No
						Rab11a	29.305	109.661	1.90383179	29.306	109.662	1.90379572	0.00022079	No
						Rab11fip1	2.29668	17.7821	2.95280395	2.29768	17.7831	2.95225705	0.00022079	No
						Rab11fip4	75.4603	14.1276	-2.4172014	75.4613	14.1286	-2.4171184	0.00022079	No
						Rab11fip5	0.425297	29.7193	6.12678565	0.426297	29.7203	6.12344597	0.00022079	No
						Rab17	0	122.927	inf	0.001	122.928	16.907454	0.00022079	No
						Rab18	14.4073	43.6154	1.59803763	14.4083	43.6164	1.59797057	0.00022079	No
						Rab19	11.6401	3.21931	-1.85428	11.6411	3.22031	-1.8539559	0.00273202	No
						Rab23	6.01732	16.1622	1.42543061	6.01832	16.1632	1.42528013	0.00022079	No
						Rab25	8.25697	42.0635	2.34888453	8.25797	42.0645	2.34874411	0.00022079	No
						Rab27a	90.8457	6.64515	-3.7730446	90.8467	6.64615	-3.7728434	0.00022079	No
						Rab27b	0.147111	0.963723	2.71171341	0.148111	0.964723	2.70343597	0.0231371	No
						Rab33b	7.59809	4.319	-0.8149395	7.59909	4.32	-0.8147954	0.0476819	No
						Rab35	74.6604	29.403	-1.3443799	74.6614	29.404	-1.3443501	0.0279776	No
						RAB37	35.8829	1.71676	-4.3855362	35.8839	1.71776	-4.3847363	0.00022079	No
						Rab3d	13.6654	6.5045	-1.0710176	13.6664	6.5055	-1.0709014	0.0187326	No
						Rab3ip	415.866	78.2832	-2.4093441	415.867	78.2842	-2.4093291	0.00022079	No
						Rab40b	0.116096	2.15947	4.2172871	0.117096	2.16047	4.2055815	0.0112749	No
						Rab4a	11.7394	29.7419	1.34113814	11.7404	29.7429	1.34106376	0.0264045	No
						Rab6b	0.252495	1.51798	2.58782606	0.253495	1.51898	2.58307368	0.00180113	No
						Rab7a	91.8426	192.811	1.06995197	91.8436	192.812	1.06994375	0.00113657	No
						Rab8a	165.621	65.3705	-1.341174	165.622	65.3715	-1.3411606	0.00041963	No
						Rab9a	19.033	46.3236	1.2832444	19.034	46.3246	1.28319974	0.00041963	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rabl2a	0.177405	14.3206	6.33490146	0.178405	14.3216	6.32689282	0.00022079	No
						Rabl5	0.703973	11.7947	4.06647482	0.704973	11.7957	4.06454922	0.00060553	No
						Rac2	1040.72	146.286	-2.8307184	1040.721	146.287	-2.8307099	0.00022079	No
						Rad1	14.4401	4.33088	-1.7373486	14.4411	4.33188	-1.7371155	0.00096553	No
						Rad50	11.1349	6.69091	-0.7348143	11.1359	6.69191	-0.7347282	0.0472957	No
						Rae1	44.2902	23.6789	-0.9033854	44.2912	23.6799	-0.9033571	0.0132548	No
						Raf1	50.486	27.1215	-0.8964464	50.487	27.1225	-0.8964218	0.0373662	No
						Rai2	0	4.6069	inf	0.001	4.6079	12.1698937	0.00022079	No
						Ralb	5.35653	20.8367	1.95975619	5.35753	20.8377	1.95955612	0.00022079	No
						Ralgps2	15.4027	2.47107	-2.6399755	15.4037	2.47207	-2.6394854	0.00022079	No
						Raly	277.606	122.98	-1.174615	277.607	122.981	-1.1746085	0.00078858	No
						Ramp2	0.247589	28.6413	6.85400595	0.248589	28.6423	6.84824108	0.0170023	No
						Ramp3	2.66849	13.0126	2.28581374	2.66949	13.0136	2.28538407	0.00113657	No
						Ranbp10	27.0719	8.82061	-1.6178458	27.0729	8.82161	-1.6177355	0.00022079	No
						Ranbp6	7.34279	3.21575	-1.1911731	7.34379	3.21675	-1.190921	0.00536605	No
						Ranbp9	50.6578	16.0172	-1.6611625	50.6588	16.0182	-1.6611009	0.00022079	No
						Rangap1	48.2723	25.6797	-0.9105672	48.2733	25.6807	-0.9105409	0.00508519	No
						Rap1a	140.594	47.3787	-1.5692245	140.595	47.3797	-1.5692043	0.00113657	No
						Rap1b	228.586	72.7992	-1.6507425	228.587	72.8002	-1.650729	0.00022079	No
						Rap1gap2	4.31416	14.4432	1.74323883	4.31516	14.4442	1.74300434	0.00022079	No
						Rap1gds1	34.7135	10.0171	-1.7930319	34.7145	10.0181	-1.7929295	0.00022079	No
						Rap2c	26.2645	5.81452	-2.1753821	26.2655	5.81552	-2.1751889	0.00022079	No
						Rapgef1	25.152	11.6878	-1.1056697	25.153	11.6888	-1.1056037	0.00180113	No
						Rapgef2	11.9626	4.36228	-1.4553767	11.9636	4.36328	-1.4551666	0.00508519	No
						Rapgef5	0.144239	1.36508	3.2424523	0.145239	1.36608	3.23354117	0.00022079	No
						Rapgef6	53.6959	2.51368	-4.416939	53.6969	2.51468	-4.4163921	0.00022079	No
						RAPGEFL1	0.119169	4.57615	5.26305345	0.120169	4.57715	5.25131289	0.0019604	No
						Rapsn	0.777525	13.3826	4.10532556	0.778525	13.3836	4.10357905	0.00022079	No
						Rara	30.1675	14.9347	-1.0143269	30.1685	14.9357	-1.0142781	0.00579147	No
						Rarres2	0	25.4914	inf	0.001	25.4924	14.6377796	0.00672121	No
						Rars2	5.16301	12.3404	1.25710486	5.16401	12.3414	1.25694236	0.0123897	No
						Rasa1	29.1532	11.0193	-1.4036217	29.1542	11.0203	-1.4035402	0.00041963	No
						Rasa3	79.8462	2.4421	-5.0310296	79.8472	2.4431	-5.030457	0.00022079	No
						RASA4	26.1487	5.38292	-2.2802783	26.1497	5.38392	-2.2800655	0.00022079	No
						Rasal3	88.529	6.15545	-3.8462139	88.53	6.15645	-3.8459958	0.00022079	No
						Rasd1	0.799675	8.97428	3.48831051	0.800675	8.97528	3.48666828	0.00022079	No
						Rasgef1b	21.369	5.33018	-2.0032632	21.37	5.33118	-2.0030601	0.00022079	No
						Rasgrp1	92.7261	6.25865	-3.8890521	92.7271	6.25965	-3.8888371	0.00022079	No
						Rasgrp3	0.374118	5.63365	3.91250465	0.375118	5.63465	3.9089096	0.00935956	No
						Rasip1	0.784823	6.69239	3.09208229	0.785823	6.69339	3.09046078	0.00022079	No
						Rasl10a	0.0652287	7.04929	6.75582727	0.0662287	7.05029	6.73408225	0.023492	No
						Rasl11a	0.4408	9.76882	4.46998818	0.4418	9.76982	4.46686666	0.00378481	No

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						Rasl11b	1.92487	24.3662	3.66204836	1.92587	24.3672	3.66135826	0.00022079	No
						Rasl12	0	3.58648	inf	0.001	3.58748	11.8087551	0.00022079	No
						Rassf2	24.7219	4.76176	-2.3762228	24.7229	4.76276	-2.3759782	0.00022079	No
						Rassf6	0.108238	23.6337	7.77049461	0.109238	23.6347	7.75728794	0.020304	No
						Rassf7	2.49277	37.9298	3.92751008	2.49377	37.9308	3.92696948	0.0290073	No
						Rassf8	0.123066	24.7418	7.65137441	0.124066	24.7428	7.63975716	0.00022079	No
						Rassf9	0	6.0326	inf	0.001	6.0336	12.5588033	0.00022079	No
						Raver1	45.4251	22.3642	-1.0222985	45.4261	22.3652	-1.0222658	0.00211842	No
						Rbbp5	20.3198	9.40862	-1.1108312	20.3208	9.40962	-1.1107488	0.00632443	No
						Rbm19	4.14678	1.78589	-1.2153483	4.14778	1.78689	-1.2148885	0.0308614	No
						Rbm22	40.3683	16.4729	-1.2931283	40.3693	16.4739	-1.2930764	0.00022079	No
						Rbm25	69.9929	23.3895	-1.5813476	69.9939	23.3905	-1.5813065	0.00022079	No
						Rbm27	19.683	6.44921	-1.6097558	19.684	6.45021	-1.6096054	0.00041963	No
						Rbm33	53.3612	8.27279	-2.6893452	53.3622	8.27379	-2.6891979	0.00022079	No
						Rbm34	12.6348	5.47453	-1.2065958	12.6358	5.47553	-1.2064465	0.00180113	No
						Rbm38	42.1667	11.0302	-1.9346452	42.1677	11.0312	-1.9345486	0.00022079	No
						Rbm39	72.2986	28.8556	-1.3251164	72.2996	28.8566	-1.3250863	0.00022079	No
						Rbm41	9.19052	1.557	-2.5613775	9.19152	1.558	-2.5606082	0.0421044	No
						Rbm48	10.885	3.47453	-1.6474517	10.886	3.47553	-1.647169	0.00672121	No
						Rbm5	74.1811	37.8971	-0.9689642	74.1821	37.8981	-0.9689456	0.00645389	No
						Rbm7	46.2774	19.7091	-1.2314459	46.2784	19.7101	-1.2314039	0.0019604	No
						Rbms3	0	4.97599	inf	0.001	4.97699	12.2810578	0.00765035	No
						Rbmx	39.4847	18.9901	-1.0560462	39.4857	18.9911	-1.0560068	0.0164052	No
						Rbp1	0	127.568	inf	0.001	127.569	16.9609183	0.00022079	No
						Rbp4	0	1.40381	inf	0.001	1.40481	10.4561593	0.00022079	No
						Rbpms	2.11815	131.584	5.9570355	2.11915	131.585	5.95636552	0.00022079	No
						Rc3h1	23.3234	7.33031	-1.669832	23.3244	7.33131	-1.6696971	0.00078858	No
						Rc3h2	23.4042	9.71509	-1.2684682	23.4052	9.71609	-1.2683813	0.00113657	No
						Rcan1	7.19302	34.4774	2.26098146	7.19402	34.4784	2.26082275	0.00022079	No
						Rcan3	35.5548	7.18676	-2.3066309	35.5558	7.18776	-2.3064708	0.00022079	No
						Rcc1	13.732	5.68594	-1.272071	13.733	5.68694	-1.2719223	0.00645389	No
						Rcc2	109.343	39.4039	-1.4724505	109.344	39.4049	-1.4724271	0.00022079	No
						Rcn2	5.21771	14.9852	1.52204967	5.21871	14.9862	1.52186947	0.00060553	No
						Rcn3	1.65644	5.50318	1.73217957	1.65744	5.50418	1.73157101	0.0257334	No
						Rcsd1	111.85	7.33721	-3.9301899	111.851	7.33821	-3.9300062	0.00022079	No
						Rdh14	6.60396	15.0156	1.18505884	6.60496	15.0166	1.18493647	0.0190658	No
						Rdh16	1.94117	10.6484	2.4556383	1.94217	10.6494	2.45503076	0.00363736	No
						Rdx	15.4568	39.7805	1.36381974	15.4578	39.7815	1.36376267	0.0328292	No
						Reck	0.363908	3.84017	3.39952451	0.364908	3.84117	3.39594113	0.00494367	No
						Reep4	28.709	11.9843	-1.2603574	28.71	11.9853	-1.2602873	0.00257873	No
						Reep6	0.170903	6.92204	5.33994765	0.171903	6.92304	5.33173906	0.00022079	No
						Rel	8.02266	2.01055	-1.9964904	8.02366	2.01155	-1.9959529	0.00988585	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Relt	16.2982	2.37739	-2.7772621	16.2992	2.37839	-2.7767439	0.00022079	No
						Rem2	0.227361	2.23226	3.29544836	0.228361	2.23326	3.28976303	0.0117698	No
						Repin1	0.766914	13.2626	4.11215501	0.767914	13.2636	4.11038384	0.00022079	No
						Reps2	0	1.14121	inf	0.001	1.14221	10.1576122	0.00041963	No
						Resp18	26.4027	8.39339	-1.6533599	26.4037	8.39439	-1.6532427	0.00130998	No
						Rexo1	42.1802	15.0098	-1.4906612	42.1812	15.0108	-1.4905993	0.00022079	No
						Rexo4	49.8263	24.3089	-1.0354228	49.8273	24.3099	-1.0353924	0.00164037	No
						Rfc5	20.3847	8.68474	-1.2309322	20.3857	8.68574	-1.2308368	0.00164037	No
						Rftn1	29.823	4.399	-2.7611779	29.824	4.4	-2.7608983	0.00022079	No
						Rfx1	73.976	10.8626	-2.7676878	73.977	10.8636	-2.7675745	0.00022079	No
						Rfx7	26.1134	3.75576	-2.7976135	26.1144	3.75676	-2.7972847	0.00022079	No
						Rfxap	33.7356	13.8672	-1.2825953	33.7366	13.8682	-1.282534	0.00096553	No
						Rgcc	110.336	8.28185	-3.7358067	110.337	8.28285	-3.7356456	0.00022079	No
						RGD1302996	28.2245	87.2372	1.62799544	28.2255	87.2382	1.62796087	0.00022079	No
						RGD1303003	87.756	212.71	1.27731819	87.757	212.711	1.27730853	0.00022079	No
						RGD1303130	22.6707	39.9242	0.81643456	22.6717	39.9252	0.81640706	0.0220188	No
						RGD1304567	18.7364	39.0286	1.05868793	18.7374	39.0296	1.0586479	0.0105196	No
						RGD1304595	13.9903	1.87613	-2.8985952	13.9913	1.87713	-2.8979295	0.00022079	No
						RGD1304622	0.647638	34.9641	5.75454292	0.648638	34.9651	5.75235828	0.00022079	No
						RGD1304694	4.74995	15.9157	1.74446638	4.75095	15.9167	1.74425333	0.00022079	No
						RGD1304704	114.013	229.292	1.00798769	114.014	229.293	1.00798133	0.00494367	No
						RGD1304770	0.237756	15.5794	6.03401411	0.238756	15.5804	6.02805147	0.00022079	No
						RGD1304884	0.408681	3.82363	3.22589585	0.409681	3.82463	3.2227473	0.00041963	No
						RGD1304982	3.32372	29.2241	3.13628784	3.32472	29.2251	3.13590321	0.00022079	No
						RGD1305110	2.09254	3.89681	0.89703839	2.09354	3.89781	0.89671928	0.0455876	No
						RGD1305422	6.0646	13.3052	1.1335058	6.0656	13.3062	1.13337636	0.00060553	No
						RGD1305508	27.3735	13.4195	-1.028449	27.3745	13.4205	-1.0283942	0.0161624	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1305587	22.0614	39.185	0.82877715	22.0624	39.186	0.82874857	0.026068	No
						RGD1305645	0	56.198	inf	0.001	56.199	15.7782568	0.00022079	No
						RGD1305743	20.4462	7.96871	-1.3594146	20.4472	7.96971	-1.3593042	0.00022079	No
						RGD1305834	3.9116	0.661292	-2.5643995	3.9126	0.662292	-2.5625883	0.00022079	No
						RGD1306058	23.8892	51.8733	1.11863361	23.8902	51.8743	1.11860103	0.00392909	No
						RGD1306151	0.690104	16.1692	4.5502907	0.691104	16.1702	4.54829088	0.00022079	No
						RGD1306215	24.848	51.9937	1.06520709	24.849	51.9947	1.06517678	0.00711928	No
						RGD1306353	26.4265	12.5324	-1.0763226	26.4275	12.5334	-1.0762621	0.00765035	No
						RGD1306739	8.23995	23.4784	1.51062661	8.24095	23.4794	1.51051298	0.0190658	No
						RGD1306820	9.62476	4.22343	-1.1883354	9.62576	4.22443	-1.1881438	0.00096553	No
						RGD1306941	1.62948	3.71969	1.19077075	1.63048	3.72069	1.19027345	0.0243977	No
						RGD1307235	41.4593	11.2383	-1.8832719	41.4603	11.2393	-1.8831784	0.00022079	No
						RGD1307262	15.5213	52.9678	1.77086619	15.5223	52.9688	1.77080048	0.00022079	No
						RGD1307315	0.611412	7.59802	3.63540674	0.612412	7.59902	3.63323892	0.00304332	No
						RGD1307365	7.51033	2.35547	-1.6728613	7.51133	2.35647	-1.6724411	0.00041963	No
						RGD1307526	82.5072	29.7314	-1.4725326	82.5082	29.7324	-1.4725016	0.00147497	No
						RGD1307554	7.82704	3.00505	-1.3810778	7.82804	3.00605	-1.3807821	0.0115315	No
						RGD1308005	5.26628	2.1362	-1.3017375	5.26728	2.1372	-1.3013362	0.00672121	No
						RGD1308234	174.494	46.0811	-1.9209304	174.495	46.0821	-1.9209073	0.00022079	No
						RGD1308297	34.8933	14.1114	-1.3060889	34.8943	14.1124	-1.306028	0.00022079	No
						RGD1308601	11.3381	6.52253	-0.7976753	11.3391	6.52353	-0.7975814	0.0250666	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1308706	12.3095	27.3779	1.15323963	12.3105	27.3789	1.15317513	0.00672121	No
						RGD1309079	4.90904	9.66938	0.97798246	4.91004	9.67038	0.9778378	0.0105196	No
						RGD1309104	37.6169	5.66421	-2.7314343	37.6179	5.66521	-2.731218	0.00022079	No
						RGD1309148	33.5714	18.5058	-0.8592552	33.5724	18.5068	-0.8592202	0.0432137	No
						RGD1309350	0.963657	4.97067	2.36684869	0.964657	4.97167	2.36564257	0.0318275	No
						RGD1309534	1.57585	80.0793	5.66722724	1.57685	80.0803	5.66633005	0.00022079	No
						RGD1309594	2.55229	15.0388	2.55882529	2.55329	15.0398	2.55835607	0.00022079	No
						RGD1309747	20.2559	6.37597	-1.6676254	20.2569	6.37697	-1.6674704	0.0102697	No
						RGD1309808	326.355	13.6415	-4.5803679	326.356	13.6425	-4.5802666	0.00022079	No
						RGD1309821	0.0860546	3.42362	5.31412646	0.0870546	3.42462	5.29787957	0.00113657	No
						RGD1309823	31.5137	13.8481	-1.1862911	31.5147	13.8491	-1.1862327	0.0196176	No
						RGD1309903	0	1.49179	inf	0.001	1.49279	10.5437955	0.00022079	No
						RGD1309995	53.1888	10.8495	-2.2934939	53.1898	10.8505	-2.2933881	0.00022079	No
						RGD1310127	18.666	47.1361	1.3364196	18.667	47.1371	1.33637291	0.0138632	No
						RGD1310352	14.6456	54.1948	1.88768713	14.6466	54.1958	1.88761525	0.00022079	No
						RGD1310553	7.12829	3.30543	-1.1087181	7.12929	3.30643	-1.108484	0.0167554	No
						RGD1310592	26.2092	12.5366	-1.0639272	26.2102	12.5376	-1.0638672	0.0387563	No
						RGD1310727	25.6144	14.143	-0.8568669	25.6154	14.144	-0.8568212	0.0241707	No
						RGD1310819	0	0.982508	inf	0.001	0.983508	9.94179298	0.0228245	No
						RGD1311021	0.0546634	23.3861	8.74086038	0.0556634	23.3871	8.71476823	0.00494367	No
						RGD1311345	11.2726	30.5569	1.43867788	11.2736	30.5579	1.43859712	0.00041963	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1311458	20.6134	6.16955	-1.7403453	20.6144	6.17055	-1.7401815	0.00022079	No
						RGD1311517	9.54442	1.53503	-2.6363907	9.54542	1.53603	-2.6356023	0.00022079	No
						RGD1311564	1.29153	4.49633	1.79966677	1.29253	4.49733	1.79887098	0.00378481	No
						RGD1311756	0.206204	12.0945	5.874135	0.207204	12.0955	5.86727474	0.00041963	No
						RGD1311805	22.3714	8.03828	-1.4766968	22.3724	8.03928	-1.4765818	0.00593001	No
						RGD1359108	6.77947	2.47939	-1.4511873	6.78047	2.48039	-1.4508183	0.00113657	No
						RGD1359127	11.7246	25.2157	1.10478357	11.7256	25.2167	1.10471774	0.00422081	No
						RGD1359158	35.8546	19.2957	-0.8938788	35.8556	19.2967	-0.8938443	0.0130042	No
						RGD1359529	434.035	138.842	-1.6443673	434.036	138.843	-1.6443603	0.00242102	No
						RGD1559442	0.460732	8.39764	4.18798423	0.461732	8.39864	4.1850281	0.00022079	No
						RGD1559600	0	1.24185	inf	0.001	1.24285	10.2794365	0.00022079	No
						RGD1559786	8.67945	29.0552	1.74312086	8.68045	29.0562	1.7430043	0.00022079	No
						RGD1559841	3.33305	12.3745	1.89245537	3.33405	12.3755	1.89213917	0.0353972	No
						RGD1559891	0	2.8223	inf	0.001	2.8233	11.4631667	0.00022079	No
						RGD1559896	5.81315	22.6432	1.96168582	5.81415	22.6442	1.96150137	0.00022079	No
						RGD1559899	0	3.79163	inf	0.001	3.79263	11.8889829	0.00022079	No
						RGD1559904	9.57011	4.37648	-1.1287645	9.57111	4.37748	-1.1285857	0.00113657	No
						RGD1560289	1.33416	0.14674	-3.1845976	1.33516	0.14774	-3.1758803	0.0117698	No
						RGD1560398	4.6077	12.3289	1.41992539	4.6087	12.3299	1.41972933	0.00480115	No
						RGD1560470	2.13811	0.591748	-1.8532812	2.13911	0.592748	-1.8515199	0.00242102	No
						RGD1560648	189.953	484.443	1.35068443	189.954	484.444	1.35067981	0.00060553	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1560687	2.91702	16.1104	2.46542513	2.91802	16.1114	2.46502019	0.00022079	No
						RGD1560849	35.0749	0.172644	-7.666495	35.0759	0.173644	-7.6582038	0.00022079	No
						RGD1560871	0.636248	4.08969	2.68433037	0.637248	4.09069	2.68241737	0.00022079	No
						RGD1560880	0.317192	4.40324	3.79513719	0.318192	4.40424	3.79092362	0.00288641	No
						RGD1560888	18.5539	9.12056	-1.0245282	18.5549	9.12156	-1.0244477	0.00508519	No
						RGD1561145	35.8496	2.35101	-3.9306044	35.8506	2.35201	-3.9300312	0.00022079	No
						RGD1561157	13.539	4.16708	-1.7000125	13.54	4.16808	-1.6997729	0.00022079	No
						RGD1561161	0	18.1965	inf	0.001	18.1975	14.1514526	0.00022079	No
						RGD1561328	32.1777	55.3408	0.78228229	32.1787	55.3418	0.78226353	0.0469889	No
						RGD1561530	0	10.7164	inf	0.001	10.7174	13.3876673	0.00022079	No
						RGD1561662	0.0206445	9.39335	8.82973848	0.0216445	9.39435	8.76164906	0.00273202	No
						RGD1561796	0.567585	10.8072	4.25101252	0.568585	10.8082	4.24860643	0.0215651	No
						RGD1561931	0	0.954349	inf	0.001	0.955349	9.89988405	0.00022079	No
						RGD1561963	84.6768	10.1274	-3.0637029	84.6778	10.1284	-3.0635775	0.00022079	No
						RGD1562037	2.63718	9.35649	1.82697137	2.63818	9.35749	1.8265786	0.00022079	No
						RGD1562084	0	21.9384	inf	0.001	21.9394	14.4212365	0.00022079	No
						RGD1562107	0	3.47727	inf	0.001	3.47827	11.7641542	0.00022079	No
						RGD1562136	12.5291	22.8847	0.86910059	12.5301	22.8857	0.86904849	0.0111498	No
						RGD1562178	25.4706	67.4335	1.40463253	25.4716	67.4345	1.40459729	0.00022079	No
						RGD1562200	8.27191	25.8839	1.64576261	8.27291	25.8849	1.64564395	0.039861	No
						RGD1562469	6371.75	2228.45	-1.5156491	6371.751	2228.451	-1.5156487	0.00818469	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1562484	3.59276	16.1114	2.16491739	3.59376	16.1124	2.16460543	0.00565535	No
						RGD1562618	0	11.9926	inf	0.001	11.9936	13.5499771	0.00022079	No
						RGD1562673	0	1.8722	inf	0.001	1.8732	10.8712892	0.00022079	No
						RGD1562987	48.7615	113.004	1.21255943	48.7625	113.005	1.21254261	0.00022079	No
						RGD1563084	2.15921	6.59944	1.61184005	2.16021	6.60044	1.61139063	0.00022079	No
						RGD1563150	0	0.921307	inf	0.001	0.922307	9.84910324	0.00022079	No
						RGD1563231	1.10766	0	#NUM!	1.10866	0.001	-10.114601	0.00451708	No
						RGD1563319	0.104334	10.0997	6.59695925	0.105334	10.1007	6.58334028	0.00211842	No
						RGD1563547	0.140292	203.19	10.5001809	0.141292	203.191	10.489941	0.0257334	No
						RGD1563888	55.9533	4.50791	-3.6336926	55.9543	4.50891	-3.6333984	0.00022079	No
						RGD1563941	7.30012	135.957	4.21908644	7.30112	135.958	4.21889944	0.00022079	No
						RGD1564184	2.74135	0	#NUM!	2.74235	0.001	-11.421197	0.00060553	No
						RGD1564212	3.01368	0	#NUM!	3.01468	0.001	-11.557789	0.00022079	No
						RGD1564379	8.18381	24.1373	1.56041975	8.18481	24.1383	1.56030324	0.00022079	No
						RGD1564419	0	6.01047	inf	0.001	6.01147	12.5535021	0.00022079	No
						RGD1564804	5.00165	13.972	1.48206254	5.00265	13.973	1.48187737	0.00508519	No
						RGD1564865	0	82.087	inf	0.001	82.088	16.3248837	0.00022079	No
						RGD1565059	2.08832	5.76281	1.46442966	2.08932	5.76381	1.46398931	0.0201925	No
						RGD1565168	0	81.2331	inf	0.001	81.2341	16.3097978	0.00022079	No
						RGD1565222	3.27728	6.3038	0.94372283	3.27828	6.3048	0.94351153	0.037664	No
						RGD1565252	1.40438	0	#NUM!	1.40538	0.001	-10.456745	0.0019604	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1565363	319.19	586.703	0.87821492	319.191	586.704	0.87821285	0.0399581	No
						RGD1565498	4.84893	2.27067	-1.0945484	4.84993	2.27167	-1.0942107	0.0408848	No
						RGD1565616	16.9753	74.4907	2.13362325	16.9763	74.4917	2.13355763	0.00227055	No
						RGD1565647	4.34901	1.5698	-1.4701063	4.35001	1.5708	-1.4695192	0.00791314	No
						RGD1565660	0	1.66168	inf	0.001	1.66268	10.6992948	0.0229153	No
						RGD1565775	45.6643	18.0113	-1.3421644	45.6653	18.0123	-1.3421159	0.00147497	No
						RGD1566189	0.266174	2.27008	3.09230158	0.267174	2.27108	3.087527	0.0412912	No
						RGD1566243	19.5328	0.831424	-4.5541706	19.5338	0.832424	-4.5525103	0.00022079	No
						RGD1566344	465.739	242.93	-0.938981	465.74	242.931	-0.9389782	0.0365427	No
						RGD1566368	0.0895199	8.08034	6.49606376	0.0905199	8.08134	6.48021573	0.00022079	No
						RGD1566386	1.40583	3.14591	1.16205525	1.40683	3.14691	1.16148791	0.0345355	No
						Rgmb	0.364997	6.67706	4.19325649	0.365997	6.67806	4.18952533	0.00147497	No
						Rgs1	72.3464	23.601	-1.6160732	72.3474	23.602	-1.6160321	0.00022079	No
						Rgs10	225.399	32.5532	-2.7916098	225.4	32.5542	-2.7915719	0.00022079	No
						Rgs11	0.0953865	2.72133	4.83438301	0.0963865	2.72233	4.81986706	0.00022079	No
						Rgs14	41.7216	5.6773	-2.8775176	41.7226	5.6783	-2.8772981	0.00022079	No
						Rgs19	39.3432	7.51721	-2.3878451	39.3442	7.51821	-2.3876899	0.00022079	No
						RGS3	15.981	31.3129	0.97039944	15.982	31.3139	0.97035524	0.0179279	No
						Rgs5	1.02232	7.2361	2.8233655	1.02332	7.2371	2.82215435	0.0250666	No
						RGS6	0.0980939	3.79628	5.27427917	0.0990939	3.79728	5.26002632	0.012146	No
						Rhbdd2	8.26059	17.2936	1.06592149	8.26159	17.2946	1.06583028	0.0160426	No
						Rhbdf1	0.0832995	22.3491	8.06769318	0.0842995	22.3501	8.0505415	0.00022079	No
						Rhbdl2	0	3.8483	inf	0.001	3.8493	11.9103804	0.00022079	No
						Rhbdl3	0.0554058	10.6972	7.5929805	0.0564058	10.6982	7.56730885	0.012146	No
						Rhbg	1.27811	19.7696	3.95119977	1.27911	19.7706	3.95014441	0.00022079	No
						Rhebl1	11.1557	0.714523	-3.9646568	11.1567	0.715523	-3.9627684	0.00022079	No
						Rhob	45.304	190.431	2.07155801	45.305	190.432	2.07153374	0.00022079	No
						Rhof	104.97	13.7368	-2.9338592	104.971	13.7378	-2.9337679	0.00022079	No
						Rhog	223.577	62.7044	-1.8341332	223.578	62.7054	-1.8341166	0.00022079	No
						Rhoj	0	2.33578	inf	0.001	2.33678	11.1903062	0.00022079	No
						Rhoq	6.39093	17.5462	1.45706083	6.39193	17.5472	1.45691732	0.00273202	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rhov	0.159305	3.13516	4.29867562	0.160305	3.13616	4.29010783	0.00658515	No
						Rhpn2	0.0674215	8.3557	6.95340816	0.0684215	8.3567	6.9323398	0.0430208	No
						Ribc1	1.17165	5.01099	2.09655399	1.17265	5.01199	2.09561106	0.00896558	No
						Rictor	24.8663	3.59992	-2.7881551	24.8673	3.60092	-2.7878124	0.00022079	No
						Rif1	13.721	4.16132	-1.7212725	13.722	4.16232	-1.721031	0.00022079	No
						Rilp	0.365148	16.5524	5.50241528	0.366148	16.5534	5.49855685	0.00022079	No
						Rilpl2	225.986	76.1242	-1.5698063	225.987	76.1252	-1.5697938	0.00022079	No
						Rin2	0.0934002	32.4369	8.43999459	0.0944002	32.4379	8.42467479	0.00022079	No
						Rin3	27.8309	11.2206	-1.3105377	27.8319	11.2216	-1.310461	0.00022079	No
						Rinl	27.7641	4.05581	-2.7751587	27.7651	4.05681	-2.774855	0.00022079	No
						Riok1	27.1176	11.4392	-1.2452433	27.1186	11.4402	-1.2451704	0.00164037	No
						Ripk2	13.9501	5.37602	-1.3756651	13.9511	5.37702	-1.3755001	0.00041963	No
						Rlf	28.4797	8.1995	-1.7963261	28.4807	8.2005	-1.7962008	0.0105196	No
						Rmdn1	2.86308	26.7318	3.2229171	2.86408	26.7328	3.22246726	0.00022079	No
						Rmdn3	6.95337	13.4429	0.95106014	6.95437	13.4439	0.95095999	0.0103977	No
						Rmnd5a	56.2777	31.0511	-0.857919	56.2787	31.0521	-0.8578982	0.035709	No
						Rnaseh1	19.9471	8.35336	-1.2557505	19.9481	8.35436	-1.2556501	0.00618779	No
						Rnasek	85.0531	378.601	2.1542425	85.0541	378.602	2.15422934	0.00022079	No
						Rnd1	0.547268	5.65793	3.36995492	0.548268	5.65893	3.36757611	0.0299071	No
						Rnd3	0.0957509	15.2415	7.31450313	0.0967509	15.2425	7.29960875	0.00480115	No
						Rnf103	7.60643	13.548	0.83278849	7.60743	13.549	0.83270532	0.0363419	No
						Rnf111	30.9689	8.25843	-1.9068807	30.9699	8.25943	-1.9067526	0.00022079	No
						Rnf113a1	6.84126	1.2675	-2.4322763	6.84226	1.2685	-2.4313494	0.00618779	No
						Rnf115	54.0006	21.6914	-1.3158523	54.0016	21.6924	-1.3158125	0.00078858	No
						RNF125	29.688	1.06428	-4.8019302	29.689	1.06528	-4.8006239	0.00022079	No
						Rnf138	23.9235	5.8839	-2.0235838	23.9245	5.8849	-2.023399	0.00022079	No
						Rnf14	90.0878	29.4859	-1.6113065	90.0888	29.4869	-1.6112736	0.00022079	No
						Rnf145	96.1643	17.8931	-2.4260981	96.1653	17.8941	-2.4260324	0.00022079	No
						Rnf146	46.7115	15.9871	-1.5468695	46.7125	15.9881	-1.5468102	0.00022079	No
						Rnf149	40.8577	20.1472	-1.0200286	40.8587	20.1482	-1.0199923	0.029572	No
						Rnf150	0.177748	4.91159	4.7882849	0.178748	4.91259	4.78048483	0.00523184	No
						Rnf157	26.2392	3.9549	-2.7300106	26.2402	3.9559	-2.7297009	0.00022079	No
						Rnf167	115.99	54.9417	-1.078027	115.991	54.9427	-1.0780132	0.00147497	No
						Rnf168	10.36	4.07165	-1.3473385	10.361	4.07265	-1.3471235	0.00060553	No
						Rnf169	5.18209	0.992411	-2.3845244	5.18309	0.993411	-2.3833498	0.00147497	No
						Rnf180	0	1.33609	inf	0.001	1.33709	10.3848809	0.00022079	No
						Rnf183	0	27.8743	inf	0.001	27.8753	14.7666997	0.00022079	No
						Rnf185	5.61967	13.9789	1.31469352	5.62067	13.9799	1.31454002	0.00060553	No
						Rnf187	68.8515	112.902	0.71351105	68.8525	112.903	0.71350288	0.0324948	No
						Rnf19b	38.6503	13.8169	-1.4840456	38.6513	13.8179	-1.4839786	0.00022079	No
						Rnf2	31.5475	10.8612	-1.5383422	31.5485	10.8622	-1.5382551	0.00022079	No
						Rnf20	22.0771	10.0335	-1.1377257	22.0781	10.0345	-1.1376473	0.00060553	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rnf208	1.51331	26.5501	4.13293784	1.51431	26.5511	4.13203915	0.00022079	No
						Rnf213	49.9603	12.1759	-2.0367537	49.9613	12.1769	-2.0366641	0.00022079	No
						Rnf217	4.1933	12.836	1.61403774	4.1943	12.837	1.61380612	0.00211842	No
						Rnf219	5.1253	1.64068	-1.6433426	5.1263	1.64168	-1.642745	0.0019604	No
						Rnf220	93.2626	33.2051	-1.4898938	93.2636	33.2061	-1.4898658	0.00022079	No
						Rnf32	0.0197557	2.42644	6.94042841	0.0207557	2.42744	6.86978424	0.0329443	No
						Rnf38	30.2045	10.2403	-1.5605055	30.2055	10.2413	-1.5604124	0.00022079	No
						Rnf43	1.92935	4.95566	1.36096233	1.93035	4.95666	1.36050585	0.00422081	No
						Rnf44	86.4932	21.9426	-1.9788522	86.4942	21.9436	-1.9788032	0.00022079	No
						Rnft1	21.2143	7.91527	-1.4223266	21.2153	7.91627	-1.4222124	0.0344255	No
						RNMT	24.7888	6.10656	-2.0212566	24.7898	6.10756	-2.0210786	0.00022079	No
						Rnpc3	24.9293	9.61545	-1.3744161	24.9303	9.61645	-1.3743239	0.00242102	No
						Rnpep	8.02854	49.1862	2.61504404	8.02954	49.1872	2.61489369	0.00022079	No
						Rnps1	148.152	69.1884	-1.098476	148.153	69.1894	-1.0984649	0.00060553	No
						Robo3	0	3.33659	inf	0.001	3.33759	11.704591	0.00949299	No
						Rock1	35.3482	9.83787	-1.8452189	35.3492	9.83887	-1.845113	0.00022079	No
						Romo1	123.526	416.85	1.7547136	123.527	416.851	1.75470538	0.00022079	No
						RORC	1.23704	12.4098	3.32651581	1.23804	12.4108	3.32546628	0.00022079	No
						Rpa2	48.0231	11.8789	-2.0153273	48.0241	11.8799	-2.0152359	0.00022079	No
						Rpl10	2887.68	835.599	-1.7890282	2887.681	835.6	-1.789027	0.00022079	No
						Rpl11	3953.9	1495.59	-1.4025617	3953.901	1495.591	-1.4025611	0.00909283	No
						RPL12	3320.97	740.19	-2.1656371	3320.971	740.191	-2.1656356	0.00022079	No
						Rpl15	2816.26	636.504	-2.145539	2816.261	636.505	-2.1455373	0.00022079	No
						Rpl17	5349.09	1656.42	-1.691225	5349.091	1656.421	-1.6912243	0.011657	No
						Rpl21	734.122	273.558	-1.4241731	734.123	273.559	-1.4241698	0.00022079	No
						Rpl22	1558.6	669.662	-1.2187457	1558.601	669.663	-1.2187445	0.00685176	No
						Rpl22l1	371.944	152.61	-1.2852359	371.945	152.611	-1.2852304	0.00113657	No
						Rpl23	5991.67	1296.97	-2.2078131	5991.671	1296.971	-2.2078122	0.00041963	No
						Rpl23a	4842.74	1669.89	-1.5360705	4842.741	1669.891	-1.5360699	0.00658515	No
						Rpl24	4545.88	1417.92	-1.6807835	4545.881	1417.921	-1.6807828	0.00257873	No
						RPL26	7364.72	2438.72	-1.5945066	7364.721	2438.721	-1.5945062	0.00645389	No
						Rpl27	3411.63	1231.75	-1.4697517	3411.631	1231.751	-1.469751	0.00318754	No
						Rpl27a	2365.82	787.43	-1.5871167	2365.821	787.431	-1.5871155	0.0102697	No
						Rpl29	3292.76	1514.92	-1.1200558	3292.761	1514.921	-1.1200552	0.0274201	No
						Rpl3	2672.42	782.581	-1.7718348	2672.421	782.582	-1.7718335	0.00257873	No
						Rpl30	6642.4	1746.03	-1.9276263	6642.401	1746.031	-1.9276256	0.00060553	No
						Rpl31	2858.64	534.933	-2.4178988	2858.641	534.934	-2.4178966	0.00022079	No
						Rpl32	6571.18	2135.1	-1.6218488	6571.181	2135.101	-1.6218484	0.00949299	No
						Rpl32-ps1	19.661	5.62783	-1.804686	19.662	5.62883	-1.8045031	0.0162859	No
						Rpl34	4356.52	1848.03	-1.237188	4356.521	1848.031	-1.2371875	0.0261671	No
						Rpl35a	1526.26	291.166	-2.3900869	1526.261	291.167	-2.3900829	0.00022079	No
						Rpl36a	3016.67	836.31	-1.8508472	3016.671	836.311	-1.8508459	0.00096553	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rpl36-ps3	46.3327	12.1248	-1.9340698	46.3337	12.1258	-1.933982	0.00242102	No
						Rpl37	4387	2017.88	-1.1203943	4387.001	2017.881	-1.1203939	0.0364343	No
						RPL37A	5480.13	2118.82	-1.3709491	5480.131	2118.821	-1.3709487	0.0253888	No
						Rpl39	6374.87	1890.92	-1.7533076	6374.871	1890.921	-1.7533071	0.00022079	No
						Rpl4	3162.24	815.303	-1.9555386	3162.241	815.304	-1.9555373	0.00227055	No
						Rpl7	4515.91	1220.12	-1.8879937	4515.911	1220.121	-1.8879928	0.00041963	No
						Rpl8	378.346	137.818	-1.4569419	378.347	137.819	-1.4569352	0.00147497	No
						Rpl9	5030.49	1671.5	-1.5895556	5030.491	1671.501	-1.589555	0.0164052	No
						Rpp40	34.3318	14.4921	-1.2442788	34.3328	14.4931	-1.2442213	0.00164037	No
						Rprd1b	5.52946	9.64719	0.80297018	5.53046	9.64819	0.80285884	0.0440196	No
						Rprd2	24.2356	2.96857	-3.0292878	24.2366	2.96957	-3.0288614	0.00022079	No
						Rps13	5097.75	1247.22	-2.0311447	5097.751	1247.221	-2.0311438	0.00022079	No
						Rps14	3954.39	1257.01	-1.653459	3954.391	1257.011	-1.6534583	0.00022079	No
						Rps15a	5427.45	1678.87	-1.692784	5427.451	1678.871	-1.6927834	0.00407863	No
						Rps15a14	49.1213	14.0325	-1.8075767	49.1223	14.0335	-1.8075032	0.00288641	No
						Rps16	5471.57	1646.65	-1.7324209	5471.571	1646.651	-1.7324203	0.0259566	No
						Rps18	7948.62	2179.8	-1.8665086	7948.621	2179.801	-1.8665082	0.0153152	No
						Rps19bp1	62.3655	117.849	0.91811945	62.3665	117.85	0.91810856	0.0246183	No
						Rps2	2896.22	900.249	-1.6857752	2896.221	900.25	-1.6857741	0.00096553	No
						Rps20	3420.58	1329.24	-1.3636394	3420.581	1329.241	-1.3636387	0.00180113	No
						Rps21	4223.48	1696.52	-1.3158538	4223.481	1696.521	-1.3158533	0.00922576	No
						Rps23	6668.71	1752.16	-1.9282732	6668.711	1752.161	-1.9282726	0.0019604	No
						Rps24	8719.26	2624.66	-1.7320752	8719.261	2624.661	-1.7320748	0.00765035	No
						Rps25	3642.26	869.696	-2.0662508	3642.261	869.697	-2.0662495	0.00022079	No
						Rps26	4718.69	1850.49	-1.3504791	4718.691	1850.491	-1.3504786	0.0072515	No
						Rps27	14713.2	4241.7	-1.7943966	14713.201	4241.701	-1.7943963	0.0019604	No
						Rps27a	4879.46	1326	-1.8796407	4879.461	1326.001	-1.8796399	0.00078858	No
						Rps27l	83.2348	226.95	1.44711575	83.2358	226.951	1.44710477	0.00022079	No
						Rps27l3	183.745	77.3321	-1.2485657	183.746	77.3331	-1.2485549	0.00378481	No
						RPS2-PS6	5.57415	0.973892	-2.5169181	5.57515	0.974892	-2.5156963	0.0342245	No
						Rps3	4559.33	1110.73	-2.0373137	4559.331	1110.731	-2.0373127	0.00078858	No
						Rps3a	4862.33	948.154	-2.3584545	4862.331	948.155	-2.3584533	0.00060553	No
						Rps4x	451.934	154.495	-1.548552	451.935	154.496	-1.5485458	0.00022079	No
						RPS5	3020.35	1095.53	-1.4630867	3020.351	1095.531	-1.4630859	0.00658515	No
						RPS6	842.404	221.685	-1.9260011	842.405	221.686	-1.9259963	0.00022079	No
						Rps6ka1	95.1984	43.466	-1.13105	95.1994	43.467	-1.131032	0.00508519	No
						Rps6ka4	4.51121	16.0182	1.82812569	4.51221	16.0192	1.82789598	0.00022079	No
						Rps6kb1	23.6724	10.7458	-1.1394331	23.6734	10.7468	-1.1393598	0.0431196	No
						Rps6kl1	0.0340064	2.58418	6.24775647	0.0350064	2.58518	6.20650222	0.0183813	No
						RPS7	420.038	91.1452	-2.2042813	420.039	91.1462	-2.2042689	0.00022079	No
						Rps8	3607.47	926.196	-1.961598	3607.471	926.197	-1.9615968	0.00022079	No
						Rptor	3.03603	5.62426	0.88947724	3.03703	5.62526	0.88925862	0.0172336	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rqcd1	20.7822	9.09305	-1.1925122	20.7832	9.09405	-1.192423	0.00022079	No
						Rragd	2.8835	29.4304	3.35141422	2.8845	29.4314	3.350963	0.00022079	No
						Rras2	76.4425	38.2139	-1.0002775	76.4435	38.2149	-1.0002586	0.0019604	No
						Rrbp1	14.2667	36.474	1.35421676	14.2677	36.475	1.35415519	0.00022079	No
						Rrm2	1.52133	3.21657	1.08018996	1.52233	3.21757	1.07969041	0.0475969	No
						Rrp12	13.4932	4.39063	-1.6197327	13.4942	4.39163	-1.619511	0.00022079	No
						Rrp1b	8.36615	4.80311	-0.800595	8.36715	4.80411	-0.8004671	0.030773	No
						Rrs1	15.8642	7.39886	-1.1003999	15.8652	7.39986	-1.1002958	0.0213411	No
						Rsad2	0.48249	2.40013	2.3145416	0.48349	2.40113	2.31215556	0.00273202	No
						Rsb1	22.8336	3.51175	-2.7008963	22.8346	3.51275	-2.7005487	0.00022079	No
						Rsb1l	29.263	5.06213	-2.5312612	29.264	5.06313	-2.5310255	0.00022079	No
						Rsf1	18.2735	5.7477	-1.6686963	18.2745	5.7487	-1.6685243	0.00022079	No
						Rsl24d1	44.0731	25.6174	-0.7827743	44.0741	25.6184	-0.7827507	0.0230222	No
						Rsph3	1.12828	4.60487	2.02903529	1.12928	4.60587	2.02807045	0.00791314	No
						Rsrc2	63.7579	34.662	-0.8792492	63.7589	34.663	-0.8792302	0.00711928	No
						RT1-A3	178.87	51.9183	-1.7845964	178.871	51.9193	-1.7845767	0.00022079	No
						RT1-Ba	12.5063	26.0042	1.05608963	12.5073	26.0052	1.05602975	0.020304	No
						RT1-CE1	578.338	134.901	-2.1000119	578.339	134.902	-2.1000037	0.00022079	No
						RT1-Da	37.9687	121.34	1.67617271	37.9697	121.341	1.6761466	0.00022079	No
						RT1-Db1	8.14085	35.4189	2.12126807	8.14185	35.4199	2.12113159	0.00130998	No
						RT1-DOb	17.9692	0.810911	-4.4698388	17.9702	0.811911	-4.4681411	0.00022079	No
						RT1-M3-1	58.3678	12.4228	-2.2321823	58.3688	12.4238	-2.2320909	0.00022079	No
						RT1-N3	78.3464	17.1635	-2.1905232	78.3474	17.1645	-2.1904576	0.00632443	No
						RT1-S3	105.517	18.525	-2.50993	105.518	18.526	-2.5098658	0.00242102	No
						Rtcd1	15.4706	37.0342	1.25932902	15.4716	37.0352	1.25927473	0.00078858	No
						RTN1	0	2.12826	inf	0.001	2.12926	11.0561364	0.00022079	No
						Rtn4	36.9583	155.554	2.07344519	36.9593	155.555	2.07341543	0.00022079	No
						Rtn4ip1	3.91098	11.0396	1.49708584	3.91198	11.0406	1.49684768	0.0221192	No
						Rtn4r	0	2.99827	inf	0.001	2.99927	11.5503957	0.00022079	No
						Rttn	3.625	1.52509	-1.2490866	3.626	1.52609	-1.2485389	0.0476819	No
						Rufy3	8.47173	15.5777	0.87875372	8.47273	15.5787	0.87867605	0.0189519	No
						Rusc2	0.0723951	1.8004	4.63628161	0.0733951	1.8014	4.61729101	0.00147497	No
						Rwdd2a	0.690008	9.6479	3.80552996	0.691008	9.6489	3.80359016	0.00022079	No
						Rwdd2b	3.01035	7.95418	1.40178198	3.01135	7.95518	1.40148418	0.0102697	No
						Rxrg	0.14559	5.16336	5.14832702	0.14659	5.16436	5.13873098	0.0180483	No
						Ryk	11.9198	25.324	1.08714527	11.9208	25.325	1.08708121	0.00318754	No
						S100a11	30.8511	2195.06	6.15279464	30.8521	2195.061	6.15274853	0.00022079	No
						S100a4	82.8835	271.317	1.71082261	82.8845	271.318	1.71081053	0.00022079	No
						S100a5	0	3.9973	inf	0.001	3.9983	11.965171	0.00022079	No
						S100a6	41.6696	1311.17	4.97571569	41.6706	1311.171	4.97568217	0.00022079	No
						S100a9	15.6018	5.96353	-1.387474	15.6028	5.96453	-1.3873246	0.0486226	No
						S100pbp	26.6054	7.0481	-1.9164128	26.6064	7.0491	-1.9162623	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						S1pr1	494.213	13.3171	-5.2137811	494.214	13.3181	-5.2136757	0.00022079	No
						Sacm1l	13.134	26.4465	1.00977044	13.135	26.4475	1.00971515	0.00392909	No
						Sacs	6.14053	0.486895	-3.6566806	6.14153	0.487895	-3.6539555	0.0243977	No
						Safb	76.8251	40.5307	-0.9225626	76.8261	40.5317	-0.9225458	0.0165181	No
						Samd10	1.48056	8.25951	2.47991324	1.48156	8.26051	2.4791138	0.0471951	No
						SAMD11	0.210424	5.03642	4.58102743	0.211424	5.03742	4.57447396	0.0211214	No
						Samd5	0	3.30854	inf	0.001	3.30954	11.692415	0.00022079	No
						Samd9l	47.9339	16.4275	-1.5449334	47.9349	16.4285	-1.5448757	0.0122712	No
						Samhd1	71.9388	6.68228	-3.4283578	71.9398	6.68328	-3.4281619	0.00022079	No
						Samm50	49.8216	168.585	1.75863292	49.8226	168.586	1.75861252	0.00022079	No
						Sap30	17.225	8.25879	-1.0605017	17.226	8.25979	-1.0604107	0.0220188	No
						Sar1b	22.7994	49.5534	1.11998819	22.8004	49.5544	1.11995403	0.0282852	No
						SARG	0.138554	26.9193	7.60204872	0.139554	26.9203	7.5917272	0.00022079	No
						Sart3	26.1611	12.8525	-1.0253742	26.1621	12.8535	-1.0253171	0.00805135	No
						Sash3	172.573	7.61887	-4.5014859	172.574	7.61987	-4.5013049	0.00022079	No
						Sat1	87.6468	518.412	2.56432579	87.6478	518.413	2.56431211	0.00022079	No
						Satb1	362.229	6.11352	-5.888755	362.23	6.11452	-5.888523	0.00022079	No
						Sav1	3.53721	26.081	2.88231541	3.53821	26.082	2.88196292	0.00022079	No
						Saysd1	6.15884	22.9276	1.89635479	6.15984	22.9286	1.89618348	0.00363736	No
						Sbds	29.0939	66.0924	1.18376768	29.0949	66.0934	1.18373993	0.00113657	No
						Sbk1	7.34948	3.19404	-1.2022598	7.35048	3.19504	-1.2020045	0.00227055	No
						Sbno1	46.2366	14.6008	-1.6629879	46.2376	14.6018	-1.6629203	0.00022079	No
						Scaf8	32.0214	12.997	-1.3008577	32.0224	12.998	-1.3007918	0.00078858	No
						SCAI	7.91895	1.85657	-2.0926694	7.91995	1.85757	-2.0920747	0.00022079	No
						Scamp1	4.35341	22.1744	2.34867727	4.35441	22.1754	2.34841097	0.00022079	No
						SCCPDH	2.05906	33.9749	4.04441153	2.06006	33.9759	4.04375351	0.00698733	No
						Scd	56.7288	15.6876	-1.8544567	56.7298	15.6886	-1.8543902	0.00022079	No
						Schip1	0.0546962	20.3515	8.53947881	0.0556962	20.3525	8.5134114	0.00060553	No
						Scly	3.41628	71.0585	4.37850911	3.41728	71.0595	4.37810717	0.00022079	No
						Scml4	74.4636	2.66013	-4.8069667	74.4646	2.66113	-4.8064438	0.00022079	No
						Scnm1	12.9648	82.995	2.67842447	12.9658	82.996	2.67833058	0.00658515	No
						Scnn1g	0	4.9912	inf	0.001	4.9922	12.28546	0.00022079	No
						Scoc	15.8864	32.1748	1.01813895	15.8874	32.1758	1.01809297	0.00288641	No
						Scp2	44.0622	88.209	1.00138433	44.0632	88.21	1.00136795	0.0019604	No
						Scrn2	6.79531	15.7731	1.21485496	6.79631	15.7741	1.21473413	0.0239545	No
						Scrn3	3.05289	9.00201	1.56007156	3.05389	9.00301	1.55975932	0.00060553	No
						Sctr	0	8.0504	inf	0.001	8.0514	12.9750239	0.00022079	No
						Scyl3	21.085	7.59667	-1.472778	21.086	7.59767	-1.4726565	0.00041963	No
						Sdad1	13.9992	4.28461	-1.7081086	14.0002	4.28561	-1.707875	0.00022079	No
						Sdc1	0.108752	13.132	6.91590091	0.109752	13.133	6.90280547	0.00227055	No
						Sdc2	0	141.524	inf	0.001	141.525	17.1106974	0.00022079	No
						SDC3	0.505161	3.5503	2.81312577	0.506161	3.5513	2.81067898	0.00130998	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sdcbp	72.4548	138.098	0.93053925	72.4558	138.099	0.93052979	0.00658515	No
						Sde2	21.4473	8.36029	-1.3591711	21.4483	8.36129	-1.3590659	0.00022079	No
						Sdha	67.8492	196.555	1.53452935	67.8502	196.556	1.53451543	0.00022079	No
						Sdhaf2	16.1326	66.7539	2.04887316	16.1336	66.7549	2.04880535	0.0448987	No
						Sdhc	72.555	370.314	2.35160215	72.556	370.315	2.35158616	0.00022079	No
						Sdhd	72.1183	251.578	1.80256847	72.1193	251.579	1.8025542	0.00022079	No
						Sdpr	0	10.7192	inf	0.001	10.7202	13.3880442	0.00022079	No
						Sec11c	27.7324	52.0147	0.90734693	27.7334	52.0157	0.90732264	0.0283842	No
						Sec14l1	8.28003	30.873	1.89863778	8.28103	30.874	1.89851028	0.00022079	No
						Sec14l2	6.16654	2.46097	-1.3252342	6.16754	2.46197	-1.324882	0.0137492	No
						Sec16b	0.151871	2.33986	3.9455039	0.152871	2.34086	3.936652	0.00422081	No
						Sec22a	5.74123	14.6752	1.35394841	5.74223	14.6762	1.35379545	0.00494367	No
						Sec24b	24.0002	9.81128	-1.2905332	24.0012	9.81228	-1.2904462	0.00113657	No
						Sec24d	2.64725	10.6811	2.01249388	2.64825	10.6821	2.01208407	0.00022079	No
						Sec31b	2.77119	0.168419	-4.0403788	2.77219	0.169419	-4.0323586	0.00096553	No
						Sec61b	103.232	209.529	1.02125969	103.233	209.53	1.0212526	0.00333723	No
						Sec62	37.8267	95.0267	1.32892801	37.8277	95.0277	1.32890505	0.00022079	No
						Sectm1b	0.561684	25.7001	5.51587146	0.562684	25.7011	5.51336136	0.0019604	No
						Sel1l3	0	1.87107	inf	0.001	1.87207	10.8704187	0.00022079	No
						Selenbp1	0	26.7224	inf	0.001	26.7234	14.705816	0.00022079	No
						Sell	841.335	7.44889	-6.8195111	841.336	7.44989	-6.8193191	0.00022079	No
						Selp	2.04823	0.412534	-2.3117928	2.04923	0.413534	-2.3090041	0.0332704	No
						Selplg	82.5372	5.25431	-3.9734713	82.5382	5.25531	-3.9732142	0.00022079	No
						Selrc1	1.45076	3.63869	1.32661027	1.45176	3.63969	1.32601261	0.0128843	No
						Sema3c	0	23.3794	inf	0.001	23.3804	14.513012	0.00022079	No
						Sema3d	0	1.18301	inf	0.001	1.18401	10.2094656	0.00022079	No
						Sema3f	0.273811	8.45251	4.94812751	0.274811	8.45351	4.94303883	0.00022079	No
						Sema3g	0.249892	6.67961	4.74038725	0.250892	6.68061	4.73484147	0.00164037	No
						Sema4c	0.0549662	1.2996	4.56337909	0.0559662	1.3006	4.53847772	0.00752743	No
						Sema4d	57.4203	9.26337	-2.6319518	57.4213	9.26437	-2.6318212	0.00022079	No
						Sema4f	0.72116	2.35088	1.70480962	0.72216	2.35188	1.70342403	0.0153152	No
						Sema4g	0.554621	3.88377	2.80788362	0.555621	3.88477	2.80565615	0.00164037	No
						Sema6c	0.161365	1.15737	2.84245056	0.162365	1.15837	2.83478357	0.00593001	No
						Sema7a	1.95975	25.2429	3.68713613	1.96075	25.2439	3.68645731	0.00022079	No
						Senp6	55.6649	23.7924	-1.2262671	55.6659	23.7934	-1.2262324	0.00078858	No
						Senp7	20.3692	4.32212	-2.2365783	20.3702	4.32312	-2.2363154	0.00022079	No
						Senp8	1.22354	4.53425	1.88980267	1.22454	4.53525	1.88894218	0.0127657	No
						Sephs2	22.9809	37.8988	0.72171687	22.9819	37.8998	0.72169216	0.028703	No
						Sepr1	0.556564	7.53715	3.75939961	0.557564	7.53815	3.75700118	0.00523184	No
						SERBP1	279.777	90.8319	-1.6230064	279.778	90.8329	-1.6229957	0.00022079	No
						Serf1	1.91284	48.0841	4.65177181	1.91384	48.0851	4.65104779	0.00113657	No
						Sergef	13.417	29.9619	1.15906699	13.418	29.9629	1.15900761	0.0248413	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Serinc1	47.5283	86.3539	0.86147454	47.5293	86.3549	0.86146089	0.02809	No
						Serinc2	0.165927	29.0227	7.45048927	0.166927	29.0237	7.44187031	0.00078858	No
						Serinc5	2.25702	5.97638	1.40485268	2.25802	5.97738	1.404455	0.00130998	No
						Serpinb1a	0.490063	36.2841	6.21022645	0.491063	36.2851	6.20732531	0.00022079	No
						Serpinb5	0	2.2564	inf	0.001	2.2574	11.1404464	0.00605729	No
						Serpinb6b	219.41	16.6472	-3.7202778	219.411	16.6482	-3.7201977	0.00022079	No
						Serpinb9	69.4979	9.30635	-2.900682	69.4989	9.30735	-2.9005478	0.00022079	No
						Serpinc1	0.192555	6.57758	5.0942144	0.193555	6.57858	5.08696073	0.00658515	No
						Serpine2	0.127778	2.91918	4.5138518	0.128778	2.92018	4.50309925	0.00378481	No
						Serpini1	6.7788	0.450951	-3.9099873	6.7798	0.451951	-3.9070044	0.00022079	No
						Sertad1	2.83064	30.9904	3.45262119	2.83164	30.9914	3.45215816	0.00022079	No
						Sertad2	16.4204	7.13105	-1.2033028	16.4214	7.13205	-1.2031884	0.00022079	No
						Sesn1	131.687	16.3326	-3.0112866	131.688	16.3336	-3.0112092	0.00022079	No
						Sesn2	5.50293	16.977	1.62530966	5.50393	16.978	1.62513249	0.00022079	No
						Sesn3	64.1789	18.4634	-1.7974308	64.1799	18.4644	-1.7973752	0.00022079	No
						Set	207.093	77.9372	-1.4098948	207.094	77.9382	-1.4098832	0.00022079	No
						Setd1b	38.8689	9.50546	-2.0317879	38.8699	9.50646	-2.0316733	0.00022079	No
						Setd2	43.354	15.0912	-1.5224576	43.355	15.0922	-1.5223953	0.0344255	No
						Setd5	26.9201	6.87003	-1.9702955	26.9211	6.87103	-1.9701391	0.00022079	No
						Setd7	24.0857	8.92511	-1.432235	24.0867	8.92611	-1.4321333	0.00022079	No
						Setdb1	23.3309	8.77054	-1.4115044	23.3319	8.77154	-1.4114017	0.0250666	No
						Setx	105.451	9.94058	-3.4070989	105.452	9.94158	-3.4069675	0.00022079	No
						Sf1	181.096	67.1287	-1.4317531	181.097	67.1297	-1.4317395	0.00130998	No
						Sf3b1	194.315	50.6467	-1.9398571	194.316	50.6477	-1.939836	0.00022079	No
						Sf3b2	81.865	47.6713	-0.7801258	81.866	47.6723	-0.7801132	0.0172336	No
						Sf3b3	57.3076	18.2195	-1.6532431	57.3086	18.2205	-1.6531891	0.00022079	No
						Sf3b5	101.425	215.467	1.08705363	101.426	215.468	1.0870461	0.00451708	No
						Sf3b6	104.463	60.0963	-0.797644	104.464	60.0973	-0.7976338	0.0375607	No
						Sfn	1.69687	6.94171	2.03241505	1.69787	6.94271	2.03177291	0.012146	No
						SFR1	80.6148	34.7013	-1.216055	80.6158	34.7023	-1.2160313	0.00078858	No
						Sfrp1	0	5.71612	inf	0.001	5.71712	12.4810729	0.00022079	No
						Sfta2	0	10.9237	inf	0.001	10.9247	13.415306	0.00022079	No
						Sfxn1	16.6284	38.216	1.20052742	16.6294	38.217	1.20047842	0.00022079	No
						Sfxn2	6.27587	16.8813	1.42753863	6.27687	16.8823	1.42739423	0.00041963	No
						Sfxn4	7.59011	19.326	1.34835037	7.59111	19.327	1.34823495	0.0282852	No
						Sgcb	1.45223	3.60891	1.3132932	1.45323	3.60991	1.31269982	0.0196176	No
						Sgk1	13.9666	67.4897	2.27268648	13.9676	67.4907	2.27260457	0.00022079	No
						Sgms1	5.12304	29.6507	2.5329941	5.12404	29.6517	2.53276118	0.00022079	No
						Sgms2	0.0936342	7.39327	6.30303322	0.0946342	7.39427	6.28790226	0.00060553	No
						Sgsh	10.5462	3.01942	-1.8043799	10.5472	3.02042	-1.804039	0.0195167	No
						Sgsm1	0.0274565	1.43675	5.70951751	0.0284565	1.43775	5.6589108	0.0248413	No
						Sgsm2	2.64593	6.22332	1.23390954	2.64693	6.22432	1.23359619	0.00778313	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sgsm3	0.883631	9.14178	3.37095916	0.884631	9.14278	3.3694852	0.00318754	No
						Sgta	38.8416	104.78	1.43168883	38.8426	104.781	1.43166546	0.00022079	No
						Sh2b3	11.5272	6.61456	-0.801325	11.5282	6.61556	-0.8012321	0.0309567	No
						Sh2d1a	47.4242	2.04782	-4.5334626	47.4252	2.04882	-4.5327887	0.00022079	No
						Sh3bgrl2	0.239063	23.2065	6.60099428	0.240063	23.2075	6.59503424	0.00022079	No
						Sh3bgrl3	234.784	134.564	-0.8030416	234.785	134.565	-0.803037	0.0138632	No
						Sh3bp1	24.1162	7.1671	-1.7505412	24.1172	7.1681	-1.7503998	0.0467974	No
						Sh3bp4	0.274161	9.74018	5.15085317	0.275161	9.74118	5.14574864	0.00022079	No
						Sh3bp5	2.87638	38.8794	3.75667977	2.87738	38.8804	3.75621539	0.00022079	No
						Sh3bp5l	3.7589	11.5578	1.62048437	3.7599	11.5588	1.62022543	0.00022079	No
						Sh3glb2	12.9101	30.6919	1.24935778	12.9111	30.6929	1.24929304	0.00242102	No
						Sh3kbp1	143.685	7.74085	-4.2142737	143.686	7.74185	-4.2140973	0.00022079	No
						Sh3rf1	1.61725	20.0583	3.63258472	1.61825	20.0593	3.63176485	0.00147497	No
						Sh3rf2	0	3.33691	inf	0.001	3.33791	11.7047293	0.00022079	No
						Sh3tc1	2.22404	35.5983	4.00055371	2.22504	35.5993	3.9999457	0.00022079	No
						Sh3tc2	0	17.8438	inf	0.001	17.8448	14.1232161	0.00022079	No
						Sh3yl1	0.396689	33.4223	6.39665881	0.397689	33.4233	6.39306971	0.0110257	No
						Shb	5.9411	94.3033	3.98850628	5.9421	94.3043	3.98827877	0.00060553	No
						Shf	1.21812	8.37995	2.78228537	1.21912	8.38095	2.78127365	0.011893	No
						Shisa4	0.108591	4.8407	5.47823924	0.109591	4.8417	5.46531246	0.0467974	No
						Shisa5	431.222	80.9388	-2.4135274	431.223	80.9398	-2.4135129	0.00022079	No
						Shpk	3.28645	6.17101	0.9089766	3.28745	6.17201	0.90877145	0.0448987	No
						Shroom2	0	5.35559	inf	0.001	5.35659	12.3870992	0.00022079	No
						Siah1a	3.98256	11.5927	1.54144861	3.98356	11.5937	1.54121085	0.00096553	No
						Siah2	3.08965	6.16995	0.99781538	3.09065	6.17095	0.99758232	0.0406701	No
						Sidt1	9.08464	0.408475	-4.4751097	9.08564	0.409475	-4.4717409	0.00022079	No
						Siglec1	0.059653	1.86487	4.96633656	0.060653	1.86587	4.94312566	0.0136242	No
						Sil1	10.0685	52.2444	2.37542764	10.0695	52.2454	2.37531197	0.00022079	No
						Sipa1	94.5582	26.385	-1.8414846	94.5592	26.386	-1.8414452	0.00022079	No
						Sipa1l3	6.09353	15.011	1.30066996	6.09453	15.012	1.30052932	0.0233831	No
						Sirpa	0.577164	8.36589	3.85746581	0.578164	8.36689	3.85514078	0.00022079	No
						Sirt3	7.30921	20.9473	1.51897691	7.31021	20.9483	1.51884841	0.00180113	No
						Sirt5	21.7972	37.7762	0.79333476	21.7982	37.7772	0.79330677	0.037478	No
						Sirt7	59.8836	22.332	-1.4230485	59.8846	22.333	-1.423008	0.00022079	No
						Sit1	65.7181	9.91418	-2.7287254	65.7191	9.91518	-2.7286019	0.00022079	No
						Six4	0.253998	1.4947	2.55696691	0.254998	1.4957	2.552263	0.00227055	No
						Six5	0.0882481	7.5112	6.41133439	0.0892481	7.5122	6.39527021	0.00060553	No
						Skap1	256.963	35.912	-2.8390227	256.964	35.913	-2.8389882	0.00022079	No
						Skap2	11.3531	34.5996	1.60766908	11.3541	34.6006	1.6075837	0.00022079	No
						Ski	38.8615	20.4665	-0.9250772	38.8625	20.4675	-0.9250438	0.00579147	No
						Skida1	0.249997	1.49029	2.57561041	0.250997	1.49129	2.57081881	0.0356158	No
						Skp1	184.887	314.497	0.76640247	184.888	314.498	0.76639925	0.0483129	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc	40.0782	1.83319	-4.4503895	40.0792	1.83419	-4.4496387	0.00022079	No
						Slain1	13.4989	4.30199	-1.6497658	13.4999	4.30299	-1.6495373	0.00288641	No
						Slamf6	55.5093	1.2376	-5.4871125	55.5103	1.2386	-5.4859732	0.00022079	No
						Slamf9	0.200087	10.3005	5.68594312	0.201087	10.3015	5.6788908	0.0154422	No
						Slc10a2	0	0.943746	inf	0.001	0.944746	9.88378269	0.00022079	No
						Slc11a2	13.1002	24.9823	0.93131747	13.1012	24.9833	0.93126509	0.0110257	No
						Slc12a2	4.80834	13.4038	1.47903125	4.80934	13.4048	1.47883887	0.00022079	No
						Slc12a6	28.3266	5.84058	-2.2779739	28.3276	5.84158	-2.2777778	0.00022079	No
						Slc12a7	44.843	20.0918	-1.158276	44.844	20.0928	-1.1582363	0.00060553	No
						Slc13a1	0	25.6148	inf	0.001	25.6158	14.6447463	0.00022079	No
						Slc13a2	0	13.2055	inf	0.001	13.2065	13.6889606	0.00022079	No
						Slc14a1	37.7763	10.2233	-1.8856204	37.7773	10.2243	-1.8855175	0.00022079	No
						Slc16a1	12.8868	5.24497	-1.2968876	12.8878	5.24597	-1.2967245	0.00041963	No
						Slc16a13	1.026	12.0578	3.55486407	1.027	12.0588	3.55357826	0.00022079	No
						Slc16a14	0.0121493	11.9602	9.94315261	0.0131493	11.9612	9.82916042	0.00211842	No
						Slc16a4	0.505875	10.0872	4.31760101	0.506875	10.0882	4.31489496	0.0435283	No
						Slc16a6	25.936	9.58824	-1.4356181	25.937	9.58924	-1.4355232	0.00041963	No
						Slc16a7	0.0688887	44.6608	9.34052603	0.0698887	44.6618	9.31976647	0.00022079	No
						Slc16a9	0	9.59478	inf	0.001	9.59578	13.2281844	0.00022079	No
						Slc17a1	0	13.9317	inf	0.001	13.9327	13.7661872	0.00022079	No
						Slc17a2	0	3.83663	inf	0.001	3.83763	11.9059999	0.00022079	No
						Slc17a3	0	29.8349	inf	0.001	29.8359	14.8647617	0.00022079	No
						Slc17a4	0	7.54072	inf	0.001	7.54172	12.8806779	0.00605729	No
						Slc17a5	4.29249	8.21982	0.93729203	4.29349	8.22082	0.93713147	0.0283842	No
						Slc18b1	0.154496	6.49138	5.39288382	0.155496	6.49238	5.38379807	0.00436941	No
						Slc19a1	8.70729	35.5551	2.02976084	8.70829	35.5561	2.02963573	0.00022079	No
						Slc19a2	3.77188	7.58096	1.00709677	3.77288	7.58196	1.00690463	0.0224751	No
						Slc1a4	0.152802	1.03221	2.75600118	0.153802	1.03321	2.74798734	0.0227145	No
						Slc20a1	50.7878	18.5764	-1.451011	50.7888	18.5774	-1.4509618	0.00022079	No
						Slc20a2	35.1175	16.3312	-1.1045593	35.1185	16.3322	-1.1045121	0.00949299	No
						Slc22a1	0	26.7424	inf	0.001	26.7434	14.7068953	0.00022079	No
						Slc22a15	0.10104	5.2416	5.69700881	0.10204	5.2426	5.68307577	0.0103977	No
						Slc22a18	2.88086	37.5384	3.7037957	2.88186	37.5394	3.70333343	0.00022079	No
						Slc22a2	0	48.4956	inf	0.001	48.4966	15.565596	0.00022079	No
						Slc22a22	0	17.4846	inf	0.001	17.4856	14.0938797	0.00022079	No
						Slc22a23	0.0136238	5.45653	8.64571081	0.0146238	5.45753	8.5437861	0.00227055	No
						Slc22a24	0	1.45853	inf	0.001	1.45953	10.5112881	0.00022079	No
						Slc22a25	0	12.5425	inf	0.001	12.5435	13.6146523	0.00022079	No
						Slc22a5	1.44158	38.5372	4.74052895	1.44258	38.5382	4.73956596	0.00022079	No
						Slc22a7	0	2.95053	inf	0.001	2.95153	11.5272473	0.00022079	No
						Slc23a2	18.4822	5.1261	-1.850203	18.4832	5.1271	-1.8499996	0.00022079	No
						Slc23a3	0.377624	2.88143	2.93176261	0.378624	2.88243	2.9284478	0.0189519	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc24a6	4.40079	28.2946	2.68469231	4.40179	28.2956	2.68441551	0.00078858	No
						Slc25a1	11.982	60.2363	2.32976442	11.983	60.2373	2.32966797	0.00022079	No
						Slc25a10	6.22	105.179	4.07978829	6.221	105.18	4.07957009	0.00022079	No
						Slc25a11	39.038	130.934	1.74588873	39.039	130.935	1.74586279	0.00022079	No
						Slc25a13	0.511325	22.0391	5.42968094	0.512325	22.0401	5.42692767	0.00022079	No
						Slc25a15	4.43387	13.1703	1.57064983	4.43487	13.1713	1.57043403	0.00022079	No
						Slc25a20	15.6136	31.6058	1.01738612	15.6146	31.6068	1.01733937	0.00304332	No
						Slc25a24	1.86399	8.62324	2.20983591	1.86499	8.62424	2.20922943	0.00022079	No
						Slc25a25	2.90139	25.765	3.15059645	2.90239	25.766	3.15015529	0.00022079	No
						Slc25a28	31.0724	51.2645	0.72232645	31.0734	51.2655	0.72230816	0.0476819	No
						Slc25a29	2.71567	17.1242	2.65665651	2.71667	17.1252	2.6562096	0.00022079	No
						Slc25a3	255.52	575.559	1.17152761	255.521	575.56	1.17152447	0.00227055	No
						Slc25a30	17.3171	82.5336	2.25278422	17.3181	82.5346	2.25271839	0.00022079	No
						Slc25a35	1.65571	17.1425	3.37205561	1.65671	17.1435	3.37126869	0.0178094	No
						Slc25a36l1	104.19	25.975	-2.0040212	104.191	25.976	-2.0039795	0.00041963	No
						Slc25a38	21.3834	53.9658	1.33555415	21.3844	53.9668	1.33551342	0.00022079	No
						Slc25a39	73.0793	187.429	1.35880947	73.0803	187.43	1.35879743	0.00022079	No
						Slc25a45	0.23908	19.5051	6.35021414	0.24008	19.5061	6.34426632	0.00022079	No
						Slc25a46	28.4422	14.8196	-0.9405266	28.4432	14.8206	-0.9404799	0.0442394	No
						Slc25a48	0	20.6232	inf	0.001	20.6242	14.3320505	0.00022079	No
						Slc25a5	298.781	885.647	1.56764338	298.782	885.648	1.56764018	0.00022079	No
						Slc26a8	85.9223	33.5976	-1.3546744	85.9233	33.5986	-1.3546483	0.00022079	No
						Slc28a2	101.342	8.49384	-3.5766715	101.343	8.49484	-3.5765159	0.00022079	No
						Slc29a3	2.00124	21.9169	3.45307765	2.00224	21.9179	3.45242276	0.00022079	No
						Slc2a1	9.39357	41.2199	2.13359555	9.39457	41.2209	2.13347697	0.00022079	No
						Slc2a12	0.103472	1.71721	4.05275415	0.104472	1.71821	4.03971814	0.00318754	No
						Slc2a2	0	7.16213	inf	0.001	7.16313	12.8063744	0.00022079	No
						Slc2a9	3.70323	1.07935	-1.7786214	3.70423	1.08035	-1.7776749	0.0241707	No
						Slc30a4	1.61454	5.22661	1.69475233	1.61554	5.22761	1.69413504	0.00022079	No
						Slc30a7	12.1867	4.10641	-1.5693579	12.1877	4.10741	-1.569125	0.00147497	No
						Slc31a1	5.87536	24.5285	2.06170985	5.87636	24.5295	2.06152314	0.0111498	No
						Slc31a2	6.67581	45.1218	2.75680982	6.67681	45.1228	2.7566257	0.00113657	No
						Slc34a1	0.0409981	488.087	13.5392937	0.0419981	488.088	13.5045296	0.00022079	No
						Slc34a3	0	5.39275	inf	0.001	5.39375	12.3970729	0.00022079	No
						Slc35a1	8.98477	21.6688	1.27006578	8.98577	21.6698	1.2699718	0.00113657	No
						Slc35b4	23.5978	10.968	-1.1053519	23.5988	10.969	-1.1052815	0.00348745	No
						Slc35d1	2.6755	6.43922	1.26707741	2.6765	6.44022	1.26676232	0.0400682	No
						Slc35d2	10.3999	3.04126	-1.7738286	10.4009	3.04226	-1.773493	0.00060553	No
						Slc35e2b	7.81345	4.09299	-0.9328046	7.81445	4.09399	-0.9326368	0.0143389	No
						Slc35e3	2.16263	8.37752	1.95373637	2.16363	8.37852	1.95324162	0.00022079	No
						Slc35f5	4.58872	12.823	1.48257014	4.58972	12.824	1.48236828	0.00022079	No
						Slc35g1	0.270677	2.88392	3.41338694	0.271677	2.88492	3.40856697	0.018847	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc37a4	19.7813	40.2783	1.02586555	19.7823	40.2793	1.02582844	0.00273202	No
						Slc38a1	36.8489	13.0576	-1.4967318	36.8499	13.0586	-1.4966605	0.00022079	No
						Slc38a3	0	13.5054	inf	0.001	13.5064	13.7213556	0.00022079	No
						Slc38a9	6.98193	2.49095	-1.4869298	6.98293	2.49195	-1.4865574	0.0100165	No
						Slc39a1	8.02618	31.8454	1.98829958	8.02718	31.8464	1.98816514	0.00022079	No
						Slc39a12	0	4.77786	inf	0.001	4.77886	12.2224508	0.0122712	No
						Slc39a13	2.56955	15.6995	2.61113098	2.57055	15.7005	2.61066152	0.00022079	No
						Slc39a14	4.91594	2.25117	-1.1267923	4.91694	2.25217	-1.126445	0.0128843	No
						Slc39a6	11.7856	4.90731	-1.2640209	11.7866	4.90831	-1.2638493	0.00096553	No
						Slc3a2	32.7077	88.1301	1.43000453	32.7087	88.1311	1.42997679	0.00022079	No
						Slc40a1	0.267551	10.6014	5.30829707	0.268551	10.6024	5.30305097	0.00022079	No
						Slc41a1	7.90437	4.19233	-0.9148982	7.90537	4.19333	-0.9147366	0.0107821	No
						Slc41a3	8.39013	1.55723	-2.4297111	8.39113	1.55823	-2.4289569	0.00113657	No
						Slc44a1	0.0836067	28.6005	8.41820609	0.0846067	28.6015	8.40110318	0.00022079	No
						Slc44a3	0	16.0867	inf	0.001	16.0877	13.9736705	0.00022079	No
						Slc45a3	0.11928	8.47463	6.15072631	0.12028	8.47563	6.13885193	0.00022079	No
						SLC45A4	3.32169	14.0213	2.07763077	3.32269	14.0223	2.0772994	0.00022079	No
						Slc47a1	0	34.7574	inf	0.001	34.7584	15.0850741	0.00022079	No
						Slc48a1	6.2315	36.7946	2.56184267	6.2325	36.7956	2.56165038	0.0425114	No
						Slc4a11	32.7444	160.848	2.2963779	32.7454	160.849	2.29634281	0.00022079	No
						Slc4a7	26.4762	2.61723	-3.3385835	26.4772	2.61823	-3.3380868	0.00022079	No
						Slc50a1	68.5931	40.3175	-0.7666573	68.5941	40.3185	-0.7666425	0.0348495	No
						Slc51b	0	57.1959	inf	0.001	57.1969	15.8036493	0.00022079	No
						SLC52A2	2.55297	6.68694	1.38916959	2.55397	6.68794	1.38882033	0.0379944	No
						Slc52a3	0.445145	3.23975	2.86353523	0.446145	3.24075	2.86074315	0.00765035	No
						Slc5a10	0.140866	58.0133	8.68591644	0.141866	58.0143	8.67573587	0.00711928	No
						Slc5a12	0	5.17896	inf	0.001	5.17996	12.3387252	0.00022079	No
						Slc5a2	0.0342262	8.69448	7.98885481	0.0352262	8.69548	7.947473	0.00466383	No
						Slc5a6	8.71301	22.9658	1.39824394	8.71401	22.9668	1.39814118	0.0183813	No
						Slc5a9	0	2.4983	inf	0.001	2.4993	11.2873084	0.00022079	No
						Slc6a12	0.453699	25.4553	5.81008678	0.454699	25.4563	5.8069671	0.00022079	No
						Slc6a13	0	3.45111	inf	0.001	3.45211	11.7532627	0.00022079	No
						Slc6a18	0	150.697	inf	0.001	150.698	17.2013007	0.00022079	No
						Slc6a19	0	18.1064	inf	0.001	18.1074	14.1442918	0.00022079	No
						Slc6a8	0.859671	52.5054	5.93253736	0.860671	52.5064	5.93088761	0.00022079	No
						Slc7a1	6.04294	2.02572	-1.5768158	6.04394	2.02672	-1.5763426	0.00060553	No
						Slc7a12	0	5.2113	inf	0.001	5.2123	12.3477044	0.00022079	No
						Slc7a13	0	69.1228	inf	0.001	69.1238	16.0768949	0.00022079	No
						Slc7a4	0.0289497	2.91255	6.65259061	0.0299497	2.91355	6.60409271	0.00096553	No
						Slc7a6	15.5439	4.06549	-1.9348474	15.5449	4.06649	-1.9345854	0.00022079	No
						Slc7a6os	22.8713	11.9364	-0.9381706	22.8723	11.9374	-0.9381128	0.0164052	No
						Slc7a7	0.452158	50.9776	6.81689265	0.453158	50.9786	6.81373379	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc7a8	0.146964	8.08246	5.78125976	0.147964	8.08346	5.77165484	0.00060553	No
						Slc7a9	0	33.2395	inf	0.001	33.2405	15.0206545	0.00022079	No
						Slc9a1	51.7055	12.329	-2.068262	51.7065	12.33	-2.0681729	0.00022079	No
						Slc9a7	12.3136	0.779111	-3.9822799	12.3146	0.780111	-3.9805465	0.00022079	No
						SLCO1A1	0	7.06222	inf	0.001	7.06322	12.7861103	0.00022079	No
						Slco1a6	0	45.9027	inf	0.001	45.9037	15.4863228	0.00022079	No
						Slco3a1	3.28068	11.1738	1.76805312	3.28168	11.1748	1.76774254	0.00022079	No
						Slco4a1	0.485887	14.4721	4.89650964	0.486887	14.4731	4.89364318	0.00022079	No
						Slfn13	72.4875	11.2493	-2.687897	72.4885	11.2503	-2.6877887	0.00041963	No
						Slfn2	365.435	30.0406	-3.6046293	365.436	30.0416	-3.6045852	0.00022079	No
						Slfn3	28.3297	8.57119	-1.7247479	28.3307	8.57219	-1.7246305	0.00096553	No
						Slfn5	175.072	24.5887	-2.831881	175.073	24.5897	-2.8318306	0.00022079	No
						Slirp	25.1835	133.421	2.40543505	25.1845	133.422	2.40538858	0.0171138	No
						Slit2	0	5.50543	inf	0.001	5.50643	12.4269016	0.00022079	No
						Slk	7.4928	20.134	1.42605697	7.4938	20.135	1.42593609	0.00022079	No
						Slpi	0.523526	5.28971	3.33685554	0.524526	5.29071	3.33437515	0.00685176	No
						Slu7	31.3783	19.0581	-0.7193629	31.3793	19.0591	-0.7193332	0.0447184	No
						Slx4	14.1475	8.49319	-0.7361687	14.1485	8.49419	-0.7361008	0.0407797	No
						Smad1	1.8564	10.4495	2.4928544	1.8574	10.4505	2.49221552	0.00022079	No
						Smad2	27.4732	15.2642	-0.847873	27.4742	15.2652	-0.847831	0.0328292	No
						Smad4	104.854	22.6043	-2.2137128	104.855	22.6053	-2.2136627	0.00022079	No
						Smad5	26.0274	10.5234	-1.3064303	26.0284	10.5244	-1.3063486	0.00060553	No
						SMAGP	3.94998	183.405	5.53704381	3.95098	183.406	5.53668648	0.00022079	No
						Smad2	108.956	18.9384	-2.5243593	108.957	18.9394	-2.5242964	0.00618779	No
						Smarca5	39.5683	17.5393	-1.1737539	39.5693	17.5403	-1.1737081	0.00022079	No
						Smarcc2	71.9625	36.8407	-0.9659448	71.9635	36.8417	-0.9659257	0.00791314	No
						Smarcd1	20.2811	9.52699	-1.0900435	20.2821	9.52799	-1.0899632	0.00318754	No
						Smarcd3	0.227362	30.7532	7.07960158	0.228362	30.7542	7.07331704	0.00022079	No
						Smc1a	44.8052	18.7333	-1.2580611	44.8062	18.7343	-1.2580163	0.00130998	No
						Smc4	191.592	9.32907	-4.3601602	191.593	9.33007	-4.3600131	0.00022079	No
						Smc5	11.2372	5.02115	-1.1621929	11.2382	5.02215	-1.162034	0.00022079	No
						Smchd1	67.4798	8.12274	-3.0544173	67.4808	8.12374	-3.0542611	0.00022079	No
						Smdt1	81.8373	416.743	2.34832751	81.8383	416.744	2.34831335	0.00022079	No
						Smek1	58.5897	19.6029	-1.57958	58.5907	19.6039	-1.579531	0.00022079	No
						Smek2	29.3911	10.9179	-1.428684	29.3921	10.9189	-1.4286009	0.00022079	No
						Smg1	44.6127	8.79786	-2.3422299	44.6137	8.79886	-2.3420983	0.00022079	No
						Smg5	31.3351	14.4905	-1.1126722	31.3361	14.4915	-1.1126187	0.00096553	No
						Smg7	29.9439	7.93844	-1.9153347	29.9449	7.93944	-1.9152012	0.00022079	No
						Smg8	5.22423	2.4697	-1.0808826	5.22523	2.4707	-1.0805747	0.026068	No
						Smim1	0.39485	49.1547	6.95988087	0.39585	49.1557	6.95626106	0.00022079	No
						Smim12	40.0106	93.881	1.23045095	40.0116	93.882	1.23043026	0.0286013	No
						SMIM15	40.0306	21.2196	-0.9157058	40.0316	21.2206	-0.9156738	0.0159346	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Smim19	22.6666	51.4456	1.18247969	22.6676	51.4466	1.18244409	0.00227055	No
						Smim20	33.0262	96.6104	1.54856752	33.0272	96.6114	1.54853877	0.00022079	No
						Smim24	3.9867	232.939	5.86861335	3.9877	232.94	5.86825771	0.00022079	No
						Smim4	13.9962	42.7289	1.61017699	13.9972	42.7299	1.61010768	0.0391441	No
						Smim7	24.9437	52.9571	1.08614864	24.9447	52.9581	1.08611804	0.00130998	No
						Smox	15.0159	2.84324	-2.4008832	15.0169	2.84424	-2.4004719	0.00022079	No
						Smpd1	26.2382	43.4647	0.72817544	26.2392	43.4657	0.72815364	0.0278747	No
						Smpx	0	24.0378	inf	0.001	24.0388	14.5530773	0.00022079	No
						Smtn	0.0668542	22.8621	8.41772402	0.0678542	22.8631	8.3963672	0.00022079	No
						Smurf1	15.8637	7.93031	-1.0002801	15.8647	7.93131	-1.0001892	0.00304332	No
						Smurf2	23.0153	10.0922	-1.1893525	23.0163	10.0932	-1.1892723	0.00022079	No
						Snap47	4.80565	10.0752	1.06800499	4.80665	10.0762	1.067848	0.0311608	No
						Snapc2	17.3178	39.5955	1.19308081	17.3188	39.5965	1.19303394	0.00078858	No
						Snapc4	2.80264	5.44228	0.95742474	2.80364	5.44328	0.95717514	0.0318275	No
						Sncg	0	14.8737	inf	0.001	14.8747	13.860573	0.00022079	No
						Snd1	43.5999	19.3554	-1.1715887	43.6009	19.3564	-1.1715473	0.00022079	No
						Sned1	0.0334001	19.4078	9.18256845	0.0344001	19.4088	9.14008245	0.00147497	No
						Snf8	56.3444	145.036	1.36406691	56.3454	145.037	1.36405125	0.0136242	No
						Snrk	23.3245	8.80415	-1.4055905	23.3255	8.80515	-1.4054885	0.00022079	No
						Snrnp200	37.0838	16.2103	-1.1938783	37.0848	16.2113	-1.1938282	0.00022079	No
						Snrnp35	13.489	32.3442	1.26172363	13.49	32.3452	1.26166129	0.00378481	No
						Snrnp40	32.6954	12.7857	-1.3545565	32.6964	12.7867	-1.3544878	0.00041963	No
						Snrnp48	72.4287	22.5987	-1.6803217	72.4297	22.5997	-1.6802778	0.00022079	No
						Snrpb	147.957	91.6136	-0.6915443	147.958	91.6146	-0.6915383	0.030773	No
						Snrpb2	80.4651	40.1517	-1.0029021	80.4661	40.1527	-1.0028841	0.00227055	No
						Snrpe1	1010.16	318.71	-1.6642676	1010.161	318.711	-1.6642645	0.00022079	No
						Snrpf	158.74	64.7125	-1.2945494	158.741	64.7135	-1.2945362	0.00022079	No
						Snta1	0.152562	32.2117	7.72204533	0.153562	32.2127	7.71266452	0.00752743	No
						Sntb2	2.64406	6.85105	1.3735702	2.64506	6.85205	1.37323523	0.00752743	No
						Snurf	0.138923	23.2939	7.38952292	0.139923	23.2949	7.3792372	0.0428089	No
						Snx18	4.842	9.95312	1.03954576	4.843	9.95412	1.03939278	0.00422081	No
						Snx2	32.9755	64.4601	0.96701189	32.9765	64.4611	0.96699052	0.00180113	No
						Snx20	60.6263	8.54592	-2.8266361	60.6273	8.54692	-2.8264911	0.00022079	No
						Snx21	0.46462	18.8334	5.34109841	0.46562	18.8344	5.33807324	0.00022079	No
						Snx29	7.88159	31.7688	2.01105199	7.88259	31.7698	2.01091437	0.00988585	No
						Snx30	0.522783	6.5176	3.64005668	0.523783	6.5186	3.63752101	0.00022079	No
						Snx32	10.2808	2.20255	-2.2227059	10.2818	2.20355	-2.2221913	0.0019604	No
						SNX5	124.848	62.6213	-0.9954473	124.849	62.6223	-0.9954359	0.015076	No
						Snx7	3.16021	26.4795	3.06678355	3.16121	26.4805	3.06638158	0.00022079	No
						Snx9	1.13047	45.3068	5.32473299	1.13147	45.3078	5.3234892	0.00022079	No
						Soat1	2.30344	20.9582	3.18565289	2.30444	20.9592	3.18509554	0.00022079	No
						Socs1	14.8584	3.35847	-2.1454027	14.8594	3.35947	-2.1450703	0.00791314	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Socs2	32.9239	3.77512	-3.1245408	32.9249	3.77612	-3.1242025	0.00022079	No
						Socs4	9.75542	3.54783	-1.4592671	9.75642	3.54883	-1.4590084	0.00060553	No
						Socs5	19.1854	11.5787	-0.7285356	19.1864	11.5797	-0.7284862	0.0363419	No
						Sod1	249.643	1391.95	2.47916903	249.644	1391.951	2.47916429	0.00022079	No
						Sod2	25.2087	124.762	2.30718496	25.2097	124.763	2.30713929	0.00022079	No
						Soga1	0.160232	11.4144	6.15454892	0.161232	11.4154	6.1456995	0.00022079	No
						Soga2	0	2.32455	inf	0.001	2.32555	11.1833562	0.00022079	No
						Sorbs1	0.94683	11.3879	3.5882525	0.94783	11.3889	3.58685628	0.00022079	No
						Sorbs2	0	14.4081	inf	0.001	14.4091	13.8146926	0.00022079	No
						Sorbs3	0.298291	29.4873	6.62722947	0.299291	29.4883	6.62244995	0.00022079	No
						Sord	10.1778	100.186	3.29918327	10.1788	100.187	3.29905593	0.00022079	No
						Sort1	2.52727	37.2001	3.87965479	2.52827	37.2011	3.87912284	0.00022079	No
						Sos1	22.8851	6.22505	-1.8782513	22.8861	6.22605	-1.8780826	0.00022079	No
						Sos2	4.47804	7.96425	0.83067109	4.47904	7.96525	0.83053009	0.0496219	No
						Sostdc1	0	148.576	inf	0.001	148.577	17.1808513	0.00022079	No
						Sowahb	0	4.51671	inf	0.001	4.51771	12.1413759	0.00022079	No
						Sowahc	0.211471	4.71373	4.47833739	0.212471	4.71473	4.47183731	0.00180113	No
						Sox17	0	7.71842	inf	0.001	7.71942	12.9142767	0.00605729	No
						Sox9	0	5.96083	inf	0.001	5.96183	12.5415395	0.00022079	No
						Sp1	26.7449	9.51254	-1.4913613	26.7459	9.51354	-1.4912636	0.00022079	No
						Sp140	129.567	24.2051	-2.4203154	129.568	24.2061	-2.4202669	0.00242102	No
						Sp3	39.7104	15.7004	-1.3387156	39.7114	15.7014	-1.33866	0.0346416	No
						Sp4	9.53156	2.17846	-2.1294037	9.53256	2.17946	-2.128893	0.00022079	No
						Spa17	1.64112	35.2146	4.42342106	1.64212	35.2156	4.4225832	0.00096553	No
						Spaca6	0.636507	13.7984	4.4381808	0.637507	13.7994	4.43602055	0.00022079	No
						Spag1	0.337262	5.28153	3.96901424	0.338262	5.28253	3.96501603	0.00060553	No
						Sparc	7.39528	132.625	4.16460417	7.39628	132.626	4.16441998	0.00022079	No
						Spast	24.4498	13.8484	-0.8201034	24.4508	13.8494	-0.8200582	0.0470945	No
						Spata13	70.0477	5.9737	-3.551641	70.0487	5.9747	-3.5514201	0.00022079	No
						Spata24	0.50972	14.5927	4.83939807	0.51072	14.5937	4.83666934	0.0133754	No
						Spata5	9.37626	3.34849	-1.4855019	9.37726	3.34949	-1.485225	0.00022079	No
						Spata6	20.0462	5.97588	-1.7461057	20.0472	5.97688	-1.7459363	0.00022079	No
						Spata7	0.911624	12.6506	3.79462309	0.912624	12.6516	3.79315544	0.00022079	No
						Spats2l	0.0509623	8.49645	7.38128598	0.0519623	8.49745	7.35342087	0.00022079	No
						Spcs2	82.1291	25.0575	-1.712651	82.1301	25.0585	-1.712611	0.00022079	No
						Spcs3	60.4586	19.9923	-1.5965031	60.4596	19.9933	-1.5964548	0.00022079	No
						Specc1	0.682472	11.1535	4.03058284	0.683472	11.1545	4.0285998	0.00988585	No
						Sphk1	4.69919	28.7163	2.61138587	4.70019	28.7173	2.61112913	0.00022079	No
						Sphkap	0	1.6188	inf	0.001	1.6198	10.6616	0.00273202	No
						Spi1	2.08063	10.0718	2.2752292	2.08163	10.0728	2.27467921	0.00022079	No
						Spink1	0	338.378	inf	0.001	338.379	18.3682805	0.00022079	No
						Spint2	84.4303	861.26	3.35061608	84.4313	861.261	3.35060067	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Spire1	1.28883	16.138	3.64632791	1.28983	16.139	3.64529835	0.00022079	No
						Spns1	26.782	61.8183	1.20677028	26.783	61.8193	1.20673975	0.0195167	No
						Spns2	6.15145	21.2344	1.78740492	6.15245	21.2354	1.78723835	0.0333701	No
						Spns3	0.113074	4.3583	5.26842636	0.114074	4.3593	5.25605458	0.0132548	No
						Spon1	0.366562	71.9633	7.6170603	0.367562	71.9643	7.61314996	0.00022079	No
						Spop	49.5659	29.6302	-0.7422796	49.5669	29.6312	-0.74226	0.0243977	No
						Spp2	0	190.688	inf	0.001	190.689	17.5408621	0.00022079	No
						Spr	11.0942	58.4781	2.3980908	11.0952	58.4791	2.39798543	0.00022079	No
						Sprr1a	0	61.2361	inf	0.001	61.2371	15.9021183	0.00022079	No
						Sprtn	9.27438	4.00808	-1.2103395	9.27538	4.00908	-1.2101352	0.00078858	No
						Spry1	0.734415	14.6239	4.31558877	0.735415	14.6249	4.31372435	0.00022079	No
						Spryd7	1.61607	36.6307	4.50249168	1.61707	36.6317	4.50163862	0.00022079	No
						Spsb2	2.25607	11.9586	2.40616477	2.25707	11.9596	2.40564607	0.00164037	No
						Sptssb	0	5.72573	inf	0.001	5.72673	12.4834959	0.00022079	No
						Sqrdl	2.16597	13.956	2.68780034	2.16697	13.957	2.68723779	0.00022079	No
						Srbd1	12.3706	5.72382	-1.1118653	12.3716	5.72482	-1.1117299	0.0215651	No
						Src	4.8329	17.1448	1.82681003	4.8339	17.1458	1.82659569	0.00022079	No
						Srcin1	71.9068	11.9526	-2.5888037	71.9078	11.9536	-2.5887031	0.00022079	No
						Srd5a1	0.533961	4.12974	2.95124468	0.534961	4.13074	2.94889463	0.00130998	No
						Srd5a3	33.2551	9.63415	-1.7873463	33.2561	9.63515	-1.78724	0.00022079	No
						Sreb2	37.1645	18.5858	-0.9997244	37.1655	18.5868	-0.9996856	0.00288641	No
						Srgap2	17.5647	9.03375	-0.959282	17.5657	9.03475	-0.9592045	0.0375607	No
						Srgap3	0.645704	7.38258	3.51518022	0.646704	7.38358	3.51314305	0.00022079	No
						Srgn	174.353	25.6749	-2.7635806	174.354	25.6759	-2.7635327	0.00022079	No
						Srrm1	101.212	38.5077	-1.3941615	101.213	38.5087	-1.3941383	0.00242102	No
						Srsf1	158.392	55.625	-1.5096941	158.393	55.626	-1.5096773	0.00130998	No
						Srsf10	37.9822	17.7858	-1.0945976	37.9832	17.7868	-1.0945545	0.00551024	No
						Srsf11	126.398	39.4786	-1.6788309	126.399	39.4796	-1.6788058	0.00022079	No
						Srsf2	462.294	216.47	-1.0946435	462.295	216.471	-1.09464	0.0072515	No
						Srsf3	139.956	78.3116	-0.8376754	139.957	78.3126	-0.8376673	0.0212313	No
						Srsf5	917.625	173.27	-2.4048828	917.626	173.271	-2.4048761	0.00022079	No
						Srsf6	140.554	35.1043	-2.0014048	140.555	35.1053	-2.001374	0.00022079	No
						Srsf7	184.905	55.2128	-1.7437096	184.906	55.2138	-1.7436912	0.00022079	No
						SRXN1	0.0368889	3.46012	6.55149149	0.0378889	3.46112	6.5133199	0.0388459	No
						Ss18	64.7751	40.4334	-0.6798918	64.7761	40.4344	-0.6798784	0.0345355	No
						Ssb	116.138	53.2141	-1.1259596	116.139	53.2151	-1.1259449	0.00180113	No
						Ssbp2	8.12019	22.0962	1.44421289	8.12119	22.0972	1.44410053	0.00363736	No
						Ssbp3	126.836	21.238	-2.5782445	126.837	21.239	-2.5781879	0.00022079	No
						Ssbp4	38.4268	22.5304	-0.7702399	38.4278	22.5314	-0.7702134	0.0379944	No
						Ssfa2	9.21722	21.1364	1.19732608	9.21822	21.1374	1.19723783	0.00060553	No
						Ssh2	45.019	3.67482	-3.6147885	45.02	3.67582	-3.614428	0.00022079	No
						Sspo	0.0628019	5.86021	6.54400035	0.0638019	5.86121	6.52145533	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ssr1	39.6162	24.1734	-0.7126701	39.6172	24.1744	-0.7126468	0.0420093	No
						Ssr4	208.879	119.069	-0.8108696	208.88	119.07	-0.8108644	0.0178094	No
						Ssrp1	100.85	52.0485	-0.9542826	100.851	52.0495	-0.9542692	0.00273202	No
						Sssca1	14.3835	42.8176	1.57378916	14.3845	42.8186	1.57372255	0.00060553	No
						Ssuh2	0	1.57891	inf	0.001	1.57991	10.6256267	0.00672121	No
						Ssx2ip	3.95451	9.42554	1.25307633	3.95551	9.42654	1.25286461	0.00147497	No
						St13	44.2972	125.793	1.50576423	44.2982	125.794	1.50574313	0.00022079	No
						St14	1.02847	59.4644	5.8534546	1.02947	59.4654	5.85207679	0.00022079	No
						St3gal1	32.1071	3.46781	-3.2107956	32.1081	3.46881	-3.2104246	0.00022079	No
						St3gal2	2.59929	11.7075	2.17124353	2.60029	11.7085	2.17081183	0.00022079	No
						St3gal3	0.602595	11.8109	4.29278639	0.603595	11.8119	4.29051638	0.00022079	No
						St3gal5	1.64653	37.8779	4.52385564	1.64753	37.8789	4.52301779	0.00022079	No
						St3gal6	7.56083	57.9397	2.93793569	7.56183	57.9407	2.93776979	0.00022079	No
						St6galnac3	1.03386	25.2563	4.61053056	1.03486	25.2573	4.60919291	0.00022079	No
						ST7	2.50897	9.22742	1.8788321	2.50997	9.22842	1.87841354	0.00348745	No
						St8sia1	67.3916	2.49954	-4.7528343	67.3926	2.50054	-4.7522786	0.00022079	No
						St8sia4	22.0774	1.04167	-4.4056001	22.0784	1.04267	-4.4042811	0.00022079	No
						St8sia6	9.36478	0.243815	-5.2633863	9.36578	0.244815	-5.2576353	0.0220188	No
						Stag1	11.7547	5.88994	-0.9969129	11.7557	5.89094	-0.9967907	0.00378481	No
						Stag2	43.6458	15.8025	-1.46569	43.6468	15.8035	-1.4656318	0.00022079	No
						Stam	5.92859	14.193	1.25941863	5.92959	14.194	1.25927695	0.00060553	No
						Stampb	6.71366	18.2654	1.44394197	6.71466	18.2664	1.44380608	0.00180113	No
						Stamppl1	24.037	4.151	-2.533726	24.038	4.152	-2.5334385	0.00022079	No
						Stap1	14.2073	1.8713	-2.9245196	14.2083	1.8723	-2.9238504	0.0425114	No
						Stap2	0.0877832	37.8704	8.75291008	0.0887832	37.8714	8.73660633	0.0186157	No
						Stard13	0.509368	3.67987	2.85287457	0.510368	3.68087	2.85043702	0.00242102	No
						Stard4	8.71015	3.97739	-1.1308755	8.71115	3.97839	-1.1306785	0.00565535	No
						Stard5	3.46275	28.8951	3.06083472	3.46375	28.8961	3.06046808	0.00845215	No
						Stat1	108.657	56.827	-0.9351327	108.658	56.828	-0.9351206	0.026068	No
						Stat4	64.7611	4.69422	-3.7861701	64.7621	4.69522	-3.7858851	0.00022079	No
						Stat5a	27.559	4.45353	-2.6295023	27.56	4.45453	-2.6292308	0.00022079	No
						Stat5b	67.2115	8.147	-3.0443673	67.2125	8.148	-3.0442117	0.00022079	No
						Stat6	45.0162	10.8103	-2.0580377	45.0172	10.8113	-2.0579363	0.0412912	No
						Stau2	1.62934	14.0567	3.10889835	1.63034	14.0577	3.1081158	0.00113657	No
						Steap2	0	12.5067	inf	0.001	12.5077	13.6105289	0.00022079	No
						Steap3	0.293533	2.15988	2.87935655	0.294533	2.16088	2.87511777	0.0179279	No
						Stim1	66.0956	6.13522	-3.4293673	66.0966	6.13622	-3.4291539	0.00022079	No
						Stim2	20.0979	5.41448	-1.8921501	20.0989	5.41548	-1.8919554	0.00060553	No
						Stk16	19.2259	41.6022	1.11360869	19.2269	41.6032	1.11356833	0.00752743	No
						Stk17b	270.686	9.80458	-4.7870206	270.687	9.80558	-4.7868788	0.00022079	No
						Stk24	114.931	45.8892	-1.3245414	114.932	45.8902	-1.3245225	0.0139821	No
						Stk32a	0	2.5897	inf	0.001	2.5907	11.3391262	0.00605729	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Stk36	0.135492	1.40269	3.37191663	0.136492	1.40369	3.36233606	0.0282852	No
						Stk38	277.139	32.4536	-3.0941593	277.14	32.4546	-3.0941201	0.00022079	No
						Stk39	16.7346	31.6849	0.92096139	16.7356	31.6859	0.92092072	0.00536605	No
						Stk4	63.8248	9.05262	-2.8177098	63.8258	9.05362	-2.8175731	0.00022079	No
						Stmn1	91.3135	178.804	0.96947894	91.3145	178.805	0.96947121	0.00896558	No
						Stom	55.6196	11.2957	-2.2998197	55.6206	11.2967	-2.2997179	0.00022079	No
						Strip1	26.5348	14.5752	-0.86437	26.5358	14.5762	-0.8643254	0.00685176	No
						Strn	18.6624	10.9924	-0.7636281	18.6634	10.9934	-0.7635742	0.0317262	No
						Stub1	458.546	98.8056	-2.2144018	458.547	98.8066	-2.2143903	0.00022079	No
						Stx12	10.9764	31.966	1.54213326	10.9774	31.967	1.54204697	0.00022079	No
						Stx18	15.4999	40.9902	1.40302012	15.5009	40.9912	1.40296224	0.00318754	No
						Stx1a	11.8142	2.28367	-2.3710958	11.8152	2.28467	-2.3705863	0.00818469	No
						Stx6	54.2621	15.2044	-1.835456	54.2631	15.2054	-1.8353877	0.00022079	No
						Stx7	13.9675	74.7411	2.41982798	13.9685	74.7421	2.41974399	0.00022079	No
						Stx8	39.7797	83.6121	1.07167934	39.7807	83.6131	1.07166033	0.00508519	No
						Stxbp1	2.03642	9.00471	2.14464467	2.03742	9.00571	2.14409661	0.00060553	No
						Stxbp4	1.53595	9.40766	2.61470467	1.53695	9.40866	2.61391903	0.00273202	No
						Styk1	5.84537	1.47766	-1.98398	5.84637	1.47866	-1.9832508	0.0019604	No
						Styx	26.8965	6.9928	-1.9434763	26.8975	6.9938	-1.9433236	0.010144	No
						Styx11	1.63638	5.36377	1.71273957	1.63738	5.36477	1.71212714	0.0275395	No
						Sucla2	32.9426	85.3231	1.37298196	32.9436	85.3241	1.37295507	0.00022079	No
						Suclg1	79.94	253.324	1.66399429	79.941	253.325	1.66398193	0.00022079	No
						Suclg2	60.5253	145.882	1.26919165	60.5263	145.883	1.26917771	0.00022079	No
						Sugt1	23.619	42.7524	0.85605753	23.62	42.7534	0.85603019	0.0216846	No
						Sulf2	0.0886728	22.8155	8.00730692	0.0896728	22.8165	7.99119134	0.00593001	No
						Sult1a1	0.516158	24.9068	5.59258311	0.517158	24.9078	5.58984868	0.00645389	No
						Sult1b1	0	30.4005	inf	0.001	30.4015	14.8918549	0.00022079	No
						Sult1c2	0	103.351	inf	0.001	103.352	16.6572068	0.00022079	No
						Sult1c2	0	60.5497	inf	0.001	60.5507	15.885856	0.00022079	No
						Sult1c2a	0.00359342	181.718	15.6259842	0.00459342	181.719	15.271781	0.0159346	No
						Sult1c3	0	3.16565	inf	0.001	3.16665	11.6287417	0.00022079	No
						Sumo3	48.8747	96.4437	0.98059915	48.8757	96.4447	0.98058459	0.00494367	No
						Sun2	89.4445	30.707	-1.5424252	89.4455	30.708	-1.5423943	0.00060553	No
						Suox	0.277583	29.4296	6.72820491	0.278583	29.4306	6.72306592	0.00022079	No
						Supt20	45.675	20.6107	-1.1480112	45.676	20.6117	-1.1479728	0.00480115	No
						Suv39h1	14.8325	3.52647	-2.0724651	14.8335	3.52747	-2.0721533	0.00022079	No
						Suv39h2	1.28565	0.432715	-1.5710089	1.28665	0.433715	-1.5688004	0.0470945	No
						Suv420h1	23.7922	7.25066	-1.7143045	23.7932	7.25166	-1.7141661	0.00022079	No
						Suz12	33.995	8.37128	-2.0218024	33.996	8.37228	-2.0216725	0.00022079	No
						Sv2b	21.4229	0.127503	-7.3924788	21.4239	0.128503	-7.3812753	0.0242871	No
						Svil	16.1231	3.47142	-2.2155313	16.1241	3.47242	-2.2152053	0.00022079	No
						Svip	1.51848	28.092	4.20945953	1.51948	28.093	4.2085611	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Swap70	2.28715	13.0038	2.50731038	2.28815	13.0048	2.50679068	0.00022079	No
						Swt1	11.6303	6.34703	-0.8737347	11.6313	6.34803	-0.8736315	0.0411953	No
						Sybu	0.0336316	1.18484	5.13873103	0.0346316	1.18584	5.09767651	0.0291184	No
						Syde2	0.173045	7.34469	5.40748244	0.174045	7.34569	5.39936574	0.00022079	No
						Syngn1	2.22754	18.7389	3.07251302	2.22854	18.7399	3.07194249	0.00022079	No
						SYNGR2	21.5092	79.139	1.87943497	21.5102	79.14	1.87938613	0.00022079	No
						Synj1	17.085	4.1029	-2.0580144	17.086	4.1039	-2.0577472	0.00022079	No
						Synj2bp	18.7428	53.1107	1.50266605	18.7438	53.1117	1.50261624	0.00113657	No
						Synpo2	0	0.868412	inf	0.001	0.869412	9.7638962	0.0019604	No
						Syt11	5.45565	2.78237	-0.9714368	5.45665	2.78337	-0.9711828	0.0471951	No
						Syt1	88.9814	33.4769	-1.4103379	88.9824	33.4779	-1.410311	0.00041963	No
						Szt2	15.1113	6.9525	-1.120024	15.1123	6.9535	-1.119912	0.0305572	No
						Tab2	102.352	16.942	-2.5948632	102.353	16.943	-2.5947921	0.00022079	No
						Tab3	5.1685	2.13005	-1.2788583	5.1695	2.13105	-1.2784603	0.00164037	No
						Tacc1	23.1292	10.7512	-1.1052177	23.1302	10.7522	-1.1051459	0.00605729	No
						Tacc2	9.5372	40.7986	2.09688197	9.5382	40.7996	2.09676607	0.0147132	No
						Tacc3	47.9301	8.11704	-2.5619063	47.9311	8.11804	-2.5617587	0.0159346	No
						Taco1	2.04914	7.83769	1.93540996	2.05014	7.83869	1.93489014	0.0137492	No
						Taf1	18.8877	4.86191	-1.9578519	18.8887	4.86291	-1.9576316	0.00022079	No
						Taf1b	8.12102	3.04979	-1.412951	8.12202	3.05079	-1.4126557	0.00752743	No
						Taf1c	15.2711	6.39998	-1.2546647	15.2721	6.40098	-1.2545337	0.00113657	No
						Taf2	10.6866	4.23786	-1.3343951	10.6876	4.23886	-1.3341897	0.00041963	No
						Taf4a	25.0999	9.02967	-1.4749364	25.1009	9.03067	-1.4748342	0.00022079	No
						Taf5l	18.9542	6.26751	-1.5965533	18.9552	6.26851	-1.5963992	0.00022079	No
						Taf7	19.3213	6.98071	-1.4687465	19.3223	6.98171	-1.4686145	0.00041963	No
						Taf8	18.753	7.59485	-1.304028	18.754	7.59585	-1.303915	0.00078858	No
						TAF9	111.445	62.5536	-0.8331671	111.446	62.5546	-0.833157	0.0138632	No
						Tagap	94.528	5.97752	-3.9831228	94.529	5.97852	-3.9828967	0.00022079	No
						Tagln	1.62701	24.3244	3.9021092	1.62801	24.3254	3.90128206	0.0149559	No
						Tanc1	0.626439	31.1558	5.63618292	0.627439	31.1568	5.63392805	0.00022079	No
						Tango2	9.71332	27.2533	1.48839453	9.71432	27.2543	1.48829895	0.00113657	No
						Tank	42.4596	5.10781	-3.055314	42.4606	5.10881	-3.0550656	0.00022079	No
						Taok1	29.554	15.8609	-0.8978788	29.555	15.8619	-0.8978366	0.0297932	No
						Tap1	52.4014	16.5814	-1.6600395	52.4024	16.5824	-1.6599801	0.00273202	No
						Tapbpl	50.4015	8.93316	-2.4962242	50.4025	8.93416	-2.4960913	0.00022079	No
						Tapt1	30.5604	9.44089	-1.6946687	30.5614	9.44189	-1.6945631	0.00022079	No
						Tardbp	108.11	52.7787	-1.0344723	108.111	52.7797	-1.0344583	0.0284928	No
						Tas1r1	1.21742	13.686	3.49080198	1.21842	13.687	3.48972283	0.00022079	No
						Tas1r2	18.312	43.7626	1.25690909	18.313	43.7636	1.25686327	0.00022079	No
						Tax1bp3	4.98397	60.4838	3.60118149	4.98497	60.4848	3.60091591	0.00022079	No
						Tbc1d10a	18.4518	33.7374	0.87058724	18.4528	33.7384	0.87055181	0.0174725	No
						Tbc1d15	40.9641	10.1099	-2.0185914	40.9651	10.1109	-2.0184839	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tbc1d16	11.32	6.41924	-0.8183996	11.321	6.42024	-0.8183023	0.0160426	No
						Tbc1d17	42.512	76.4795	0.84720296	42.513	76.4805	0.84718789	0.0494183	No
						Tbc1d19	0.953223	12.1186	3.66826547	0.954223	12.1196	3.66687181	0.00022079	No
						Tbc1d2	0.893319	4.40991	2.30350186	0.894319	4.41091	2.30221489	0.0083198	No
						Tbc1d20	104.212	24.1854	-2.1073131	104.213	24.1864	-2.1072673	0.00022079	No
						Tbc1d2b	11.7218	3.84923	-1.6065523	11.7228	3.85023	-1.6063007	0.00022079	No
						Tbc1d4	24.959	11.6739	-1.0962735	24.96	11.6749	-1.0962077	0.00130998	No
						Tbc1d5	10.9712	5.69265	-0.946549	10.9722	5.69365	-0.9464271	0.0271748	No
						Tbcel	13.7496	7.8176	-0.814592	13.7506	7.8186	-0.8145124	0.0306704	No
						Tbk1	19.7367	9.26711	-1.0906894	19.7377	9.26811	-1.0906068	0.00257873	No
						Tbl1x	21.4117	11.7076	-0.870954	21.4127	11.7086	-0.8708981	0.00805135	No
						Tbl1xr1	24.7486	9.28504	-1.4143669	24.7496	9.28604	-1.4142698	0.00022079	No
						Tbx10	0.0794703	5.28489	6.05531384	0.0804703	5.28589	6.03754618	0.0288046	No
						Tc2n	0	3.55844	inf	0.001	3.55944	11.7974346	0.00022079	No
						Tcaim	6.8809	26.1625	1.92683122	6.8819	26.1635	1.92667672	0.00022079	No
						Tcea1	80.1122	41.18	-0.9600781	80.1132	41.181	-0.9600611	0.00579147	No
						Tcea3	0	50.0045	inf	0.001	50.0055	15.6097992	0.00022079	No
						Tceal1	0.142508	11.8204	6.37409214	0.143508	11.8214	6.36412593	0.00922576	No
						Tceal8	9.24951	84.0473	3.18375263	9.25051	84.0483	3.18361383	0.00022079	No
						Tceb2	243.228	632.94	1.37975943	243.229	632.941	1.37975577	0.00022079	No
						Tcerg1	69.3553	15.3075	-2.1797675	69.3563	15.3085	-2.179694	0.00022079	No
						Tcf15	0	1.3469	inf	0.001	1.3479	10.3964978	0.00022079	No
						Tcf20	31.5561	6.37433	-2.3075733	31.5571	6.37533	-2.3073927	0.00022079	No
						Tcf3	62.0046	22.9396	-1.434535	62.0056	22.9406	-1.4344954	0.00022079	No
						TCF7	579.098	12.7544	-5.5047406	579.099	12.7554	-5.50463	0.00022079	No
						Tcf7l2	0.207034	6.83964	5.04598077	0.208034	6.84064	5.03924007	0.00022079	No
						Tcn2	5.21572	44.6742	3.09850357	5.21672	44.6752	3.09825928	0.00022079	No
						Tcof1	27.2971	11.8473	-1.2041894	27.2981	11.8483	-1.2041205	0.00041963	No
						Tcp11l1	0.0614345	2.27982	5.21372705	0.0624345	2.28082	5.19106533	0.0262873	No
						Tcp11l2	102.224	15.7529	-2.6980446	102.225	15.7539	-2.6979671	0.00022079	No
						TCRB	2295.41	200.032	-3.5204491	2295.411	200.033	-3.5204426	0.00022079	No
						Tctn1	0.895996	6.6427	2.89020556	0.896996	6.6437	2.88881347	0.00022079	No
						Tdp2	54.6063	18.0887	-1.5939787	54.6073	18.0897	-1.5939253	0.00022079	No
						TDRD3	7.98593	15.761	0.98082674	7.98693	15.762	0.98073763	0.0128843	No
						Tdrp	0.0288967	21.8706	9.56387234	0.0298967	21.8716	9.5148568	0.00618779	No
						Tead3	0.0469032	7.60835	7.34175345	0.0479032	7.60935	7.31150738	0.00363736	No
						Tead4	0	2.15763	inf	0.001	2.15863	11.0759003	0.00378481	No
						Tecpr1	47.742	14.2387	-1.7454416	47.743	14.2397	-1.7453705	0.00022079	No
						Tef	3.81595	11.3454	1.5719933	3.81695	11.3464	1.57174244	0.00022079	No
						Tefm	2.25857	12.6089	2.48096089	2.25957	12.6099	2.48043668	0.00022079	No
						Tenc1	0.0598699	9.09918	7.24776187	0.0608699	9.10018	7.22402228	0.00273202	No
						Tenm3	0	2.11259	inf	0.001	2.11359	11.0454798	0.00605729	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Terf2	22.5371	7.23019	-1.6401964	22.5381	7.23119	-1.6400609	0.00041963	No
						Tes	42.3383	18.0243	-1.2320201	42.3393	18.0253	-1.2319741	0.00041963	No
						Tesk1	6.03358	13.7364	1.18691778	6.03458	13.7374	1.18678371	0.00593001	No
						Tet2	5.73726	2.49621	-1.2006226	5.73826	2.49721	-1.2002962	0.0388459	No
						Tet3	28.2264	5.67711	-2.3138165	28.2274	5.67811	-2.3136135	0.00022079	No
						Tex10	19.6066	4.67947	-2.0669223	19.6076	4.68047	-2.0666876	0.00022079	No
						Tex14	0.473806	15.9462	5.07277239	0.474806	15.9472	5.06982116	0.00022079	No
						Tex2	30.2071	12.405	-1.283966	30.2081	12.406	-1.2838974	0.00022079	No
						Tex264	36.1837	85.2274	1.23597738	36.1847	85.2284	1.23595444	0.00041963	No
						Tex36	0	8.02175	inf	0.001	8.02275	12.9698811	0.00022079	No
						Tf	9.46947	35.0652	1.88868437	9.47047	35.0662	1.88857317	0.00022079	No
						Tfap2a	0	1.4316	inf	0.001	1.4326	10.4844201	0.00022079	No
						Tfcp2l1	0.0265822	13.9113	9.03158102	0.0275822	13.9123	8.9784077	0.0175851	No
						Tfdp2	2.28783	8.85196	1.95201708	2.28883	8.85296	1.95154959	0.00962607	No
						Tfe3	4.1472	10.4699	1.33603813	4.1482	10.4709	1.33582809	0.00147497	No
						Tff3	0	732.066	inf	0.001	732.067	19.4816162	0.00022079	No
						Tfg	14.623	26.3055	0.84712515	14.624	26.3065	0.84708134	0.0178094	No
						Tfrc	20.3632	6.47512	-1.6529855	20.3642	6.47612	-1.6528335	0.00022079	No
						Tgfb1	98.0341	29.7647	-1.7196813	98.0351	29.7657	-1.7196476	0.00022079	No
						Tgfb2	0.0405048	4.70831	6.86097262	0.0415048	4.70931	6.82609369	0.0239545	No
						Tgm3	0	2.08444	inf	0.001	2.08544	11.0261361	0.00022079	No
						Tgs1	7.06392	2.78325	-1.3436985	7.06492	2.78425	-1.3433845	0.00536605	No
						Thap4	10.0386	176.893	4.13924697	10.0396	176.894	4.13911142	0.00022079	No
						Thap7	9.36415	23.4877	1.3266855	9.36515	23.4887	1.32659286	0.00392909	No
						Thbs1	0.250756	119.384	8.89510956	0.251756	119.385	8.8893797	0.00022079	No
						Them6	9.58984	32.5941	1.76503219	9.59084	32.5951	1.76492602	0.00041963	No
						Them7	0	3.9737	inf	0.001	3.9747	11.9566303	0.0198519	No
						Thns12	0.694066	69.6096	6.64806962	0.695066	69.6106	6.64601322	0.00022079	No
						Thoc2	23.9832	6.53693	-1.875339	23.9842	6.53793	-1.8751785	0.0368717	No
						Thoc3	26.7176	14.1441	-0.91759	26.7186	14.1451	-0.917542	0.0083198	No
						Thra	13.6806	39.6903	1.53665496	13.6816	39.6913	1.53658586	0.0415916	No
						Thrap3	67.1509	27.9026	-1.2670072	67.1519	27.9036	-1.266977	0.00022079	No
						Thrb	3.89749	9.92987	1.34922951	3.89849	9.93087	1.34900468	0.00041963	No
						Thsd4	0.0597889	6.08349	6.66887773	0.0607889	6.08449	6.64518462	0.00022079	No
						Thumpd2	11.462	5.03723	-1.1861563	11.463	5.03823	-1.1859958	0.0159346	No
						Tia1	32.6853	8.85203	-1.8845617	32.6863	8.85303	-1.8844429	0.00180113	No
						Tial1	73.9113	24.0945	-1.6170911	73.9123	24.0955	-1.6170507	0.00022079	No
						Tie1	1.99133	14.4245	2.85671708	1.99233	14.4255	2.85609279	0.00022079	No
						Tigd2	25.0844	4.06495	-2.6254809	25.0854	4.06595	-2.6251836	0.00022079	No
						Tigd5	0.104836	1.6425	3.96968725	0.105836	1.6435	3.95686911	0.0100165	No
						Timd2	0.623577	24.0761	5.27089019	0.624577	24.0771	5.26863838	0.00022079	No
						Timm10	17.1994	54.7328	1.67004743	17.2004	54.7338	1.66998991	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						TIMM10B	10.647	28.3654	1.41368523	10.648	28.3664	1.41360059	0.00870822	No
						Timm13	58.869	228.636	1.95747256	58.87	228.637	1.95745436	0.00022079	No
						Timm17a	30.7782	101.584	1.72269242	30.7792	101.585	1.72265975	0.00022079	No
						Timm21	10.6878	29.842	1.48137931	10.6888	29.843	1.48129268	0.00022079	No
						Timm22	9.4888	32.4029	1.77182538	9.4898	32.4039	1.77171787	0.00022079	No
						Timp2	0.43117	45.6959	6.72766412	0.43217	45.6969	6.72435356	0.00022079	No
						Timp3	0.0366069	484.041	13.690726	0.0376069	484.042	13.6518472	0.00858283	No
						Timp4	0	2.24852	inf	0.001	2.24952	11.1354015	0.00022079	No
						Tiparp	20.2308	8.13625	-1.3141175	20.2318	8.13725	-1.3140115	0.00147497	No
						Tjp1	0.0300791	13.1207	8.76886757	0.0310791	13.1217	8.7217942	0.00022079	No
						Tjp2	0.0793584	19.0213	7.9050172	0.0803584	19.0223	7.88702714	0.00022079	No
						Tjp3	0.687062	14.9414	4.44273123	0.688062	14.9424	4.44072951	0.00096553	No
						Tkt	76.1707	170.254	1.16038063	76.1717	170.255	1.16037017	0.00022079	No
						Tlcd1	1.04572	28.1625	4.75120689	1.04672	28.1635	4.74987916	0.00022079	No
						Tle2	0.0506326	243.451	12.2312772	0.0516326	243.452	12.2030675	0.00022079	No
						Tle4	32.1638	7.16458	-2.1664838	32.1648	7.16558	-2.1663273	0.00022079	No
						Tlk2	23.8212	11.4813	-1.0529601	23.8222	11.4823	-1.052895	0.0115315	No
						Tln1	64.8852	29.0586	-1.1589242	64.8862	29.0596	-1.1588968	0.0242871	No
						Tlr12	0	1.67315	inf	0.001	1.67415	10.7092131	0.00022079	No
						Tlr3	0.61731	11.7879	4.25516775	0.61831	11.7889	4.25295496	0.00022079	No
						Tm2d2	19.7029	46.9843	1.25377076	19.7039	46.9853	1.25372825	0.00113657	No
						Tm9sf2	14.7331	54.8548	1.89655685	14.7341	54.8558	1.89648523	0.00022079	No
						Tmc3	0	3.74294	inf	0.001	3.74394	11.8703416	0.00022079	No
						Tmc4	0.088336	24.2352	8.09988677	0.089336	24.2362	8.08370614	0.00845215	No
						Tmcc1	15.7234	5.2472	-1.5832935	15.7244	5.2482	-1.5831104	0.00060553	No
						Tmcc3	1.0529	3.89266	1.88638792	1.0539	3.89366	1.88538893	0.00022079	No
						Tmed3	8.07269	23.0883	1.51604055	8.07369	23.0893	1.51592434	0.00078858	No
						Tmed5	15.3999	6.91805	-1.1544836	15.4009	6.91905	-1.1543688	0.00988585	No
						Tmed7	12.6973	26.2854	1.04973994	12.6983	26.2864	1.04968121	0.0370591	No
						Tmem100	0	0.795397	inf	0.001	0.796397	9.63734398	0.00022079	No
						Tmem106a	1.71708	28.6651	4.06126615	1.71808	28.6661	4.06047652	0.00022079	No
						Tmem106b	14.7991	27.8765	0.91354	14.8001	27.8775	0.91349427	0.0200735	No
						Tmem106c	5.15814	15.8314	1.61786601	5.15914	15.8324	1.61767747	0.00041963	No
						Tmem108	0.0340867	1.75591	5.68686615	0.0350867	1.75691	5.64597221	0.010907	No
						Tmem109	9.92703	18.606	0.90633387	9.92803	18.607	0.90626609	0.0170023	No
						TMEM11	13.9665	28.6235	1.03522956	13.9675	28.6245	1.03517667	0.00579147	No
						Tmem116	0.0596684	11.2255	7.5555969	0.0606684	11.2265	7.53174724	0.00466383	No
						Tmem117	0.0538347	8.33641	7.27474604	0.0548347	8.33741	7.24836634	0.0424075	No
						Tmem120a	11.4294	23.1391	1.01758308	11.4304	23.1401	1.01751921	0.0155671	No
						Tmem123	146.403	87.0277	-0.7503985	146.404	87.0287	-0.7503918	0.0427098	No
						Tmem132a	0.619799	14.2158	4.51955105	0.620799	14.2168	4.51732673	0.00022079	No
						Tmem135	6.05881	14.7165	1.28032823	6.05981	14.7175	1.28018816	0.00078858	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem136	0.0635356	8.49666	7.06318684	0.0645356	8.49766	7.04082659	0.012146	No
						Tmem141	12.5802	36.8375	1.5500203	12.5812	36.8385	1.54994478	0.00466383	No
						Tmem14a	10.0286	23.6135	1.23549168	10.0296	23.6145	1.23540892	0.00422081	No
						Tmem150a	1.12461	69.7319	5.95432211	1.12561	69.7329	5.95306052	0.00022079	No
						Tmem154	57.2232	3.651	-3.9702366	57.2242	3.652	-3.9698667	0.00022079	No
						Tmem156	57.8819	3.34873	-4.1114263	57.8829	3.34973	-4.1110205	0.00022079	No
						Tmem160	44.8946	105.443	1.23184949	44.8956	105.444	1.23183104	0.00698733	No
						Tmem169	0	4.946	inf	0.001	4.947	12.2723382	0.00935956	No
						Tmem17	1.41687	7.63792	2.43047241	1.41787	7.63892	2.42964342	0.00536605	No
						Tmem170b	6.31784	2.88142	-1.1326514	6.31884	2.88242	-1.1323792	0.0212313	No
						Tmem173	145.538	16.5001	-3.1408492	145.539	16.5011	-3.1407717	0.00022079	No
						Tmem174	0	131.408	inf	0.001	131.409	17.0037046	0.00022079	No
						Tmem176a	4.34177	84.3575	4.28016113	4.34277	84.3585	4.27984599	0.00022079	No
						Tmem176b	3.95695	126.015	4.99306283	3.95795	126.016	4.99270972	0.00022079	No
						Tmem177	2.0712	5.59583	1.43388526	2.0722	5.59683	1.43344667	0.0232628	No
						Tmem184b	7.73363	17.1213	1.1465746	7.73463	17.1223	1.14647232	0.00147497	No
						Tmem194	4.38124	1.61748	-1.4375914	4.38224	1.61848	-1.437029	0.00935956	No
						Tmem194b	22.9547	2.96529	-2.9525445	22.9557	2.96629	-2.9521209	0.00022079	No
						Tmem2	0.133854	4.57965	5.09650519	0.134854	4.58065	5.08608211	0.00022079	No
						Tmem204	29.1517	5.44841	-2.4196728	29.1527	5.44941	-2.4194576	0.0189519	No
						Tmem205	3.3583	35.5668	3.40472816	3.3593	35.5678	3.4043392	0.00022079	No
						Tmem207	0	69.1324	inf	0.001	69.1334	16.0770953	0.00022079	No
						Tmem213	0	399.321	inf	0.001	399.322	18.607193	0.00022079	No
						Tmem216	5.74624	20.8339	1.85824277	5.74724	20.8349	1.85806097	0.00041963	No
						Tmem221	0	2.22137	inf	0.001	2.22237	11.1178833	0.00022079	No
						Tmem229b	25.5887	2.64443	-3.2744782	25.5897	2.64543	-3.2739891	0.00022079	No
						Tmem237	1.61072	9.32401	2.53324483	1.61172	9.32501	2.53250414	0.00318754	No
						Tmem238	1.37086	66.5756	5.60184038	1.37186	66.5766	5.60081003	0.00041963	No
						Tmem245	11.9345	5.16563	-1.2081219	11.9355	5.16663	-1.2079635	0.00041963	No
						Tmem25	0.430985	6.33103	3.87673067	0.431985	6.33203	3.87361497	0.00022079	No
						Tmem256	28.3403	165.305	2.54420343	28.3413	165.306	2.54416125	0.00022079	No
						Tmem27	0	190.658	inf	0.001	190.659	17.5406351	0.00022079	No
						Tmem38a	0.639741	8.70679	3.76658108	0.640741	8.70779	3.7644934	0.00022079	No
						Tmem38b	4.95713	15.7964	1.67201881	4.95813	15.7974	1.67181913	0.00022079	No
						Tmem42	13.8574	28.4901	1.03980409	13.8584	28.4911	1.03975062	0.00551024	No
						Tmem43	20.4615	11.6608	-0.8112451	20.4625	11.6618	-0.8111919	0.0168842	No
						Tmem45b	0.0991272	4.96647	5.64679601	0.1001272	4.96747	5.63260541	0.00096553	No
						Tmem50a	219.694	106.491	-1.044764	219.695	106.492	-1.044757	0.00113657	No
						Tmem50b	1.55318	54.7253	5.13891102	1.55418	54.7263	5.13800881	0.00022079	No
						Tmem51	0.896139	18.2146	4.34522898	0.897139	18.2156	4.34369918	0.00022079	No
						Tmem52	0	4.8526	inf	0.001	4.8536	12.2448395	0.010907	No
						Tmem52b	0	79.0175	inf	0.001	79.0185	16.2699028	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem53	2.7606	15.7894	2.51590258	2.7616	15.7904	2.51547144	0.00022079	No
						Tmem54	0	6.2858	inf	0.001	6.2868	12.6181102	0.00022079	No
						Tmem55a	0.323695	17.2247	5.73369996	0.324695	17.2257	5.72933363	0.00060553	No
						Tmem56	0	1.78123	inf	0.001	1.78223	10.7994678	0.00022079	No
						Tmem60	4.60475	10.3019	1.1617157	4.60575	10.3029	1.16154247	0.0155671	No
						Tmem64	1.76623	7.11412	2.01001209	1.76723	7.11512	2.00939827	0.0126352	No
						Tmem66	124.762	51.4242	-1.2786592	124.763	51.4252	-1.2786427	0.00022079	No
						Tmem67	0.195812	2.78914	3.83227927	0.196812	2.79014	3.82544742	0.00466383	No
						Tmem70	6.84082	28.804	2.074028	6.84182	28.805	2.0738672	0.00022079	No
						Tmem71	75.0778	1.10424	-6.0872607	75.0788	1.10524	-6.085974	0.00022079	No
						Tmem79	0.233141	9.43548	5.33882127	0.234141	9.43648	5.33279932	0.00041963	No
						Tmem86a	0.530699	32.1957	5.92283038	0.531699	32.1967	5.92015926	0.00022079	No
						Tmem86b	7.67432	2.17224	-1.8208554	7.67532	2.17324	-1.8203794	0.0182773	No
						Tmem87a	59.4426	21.8242	-1.4455684	59.4436	21.8252	-1.4455266	0.00922576	No
						Tmem87b	17.9863	10.6735	-0.7528651	17.9873	10.6745	-0.7528102	0.0332704	No
						TMEM9	17.6799	32.2165	0.86568965	17.6809	32.2175	0.86565284	0.0145886	No
						Tmem97	3.91056	12.8207	1.71302791	3.91156	12.8217	1.71277156	0.00211842	No
						Tmlhe	8.26653	51.1087	2.62821513	8.26753	51.1097	2.62806884	0.00022079	No
						Tmod3	51.3711	20.785	-1.3054142	51.3721	20.786	-1.3053729	0.00041963	No
						Tmpo	47.8266	19.9389	-1.2622274	47.8276	19.9399	-1.2621852	0.00041963	No
						Tmprss13	0	4.61558	inf	0.001	4.61658	12.1726088	0.00022079	No
						Tmsb10	8246.45	1502.72	-2.456197	8246.451	1502.721	-2.4561962	0.00022079	No
						Tmsbl1	70.6723	9.46938	-2.899803	70.6733	9.47038	-2.8996711	0.00041963	No
						Tmtc1	0.0085542	7.01171	9.67891767	0.0095542	7.01271	9.51962128	0.0186157	No
						Tmtc3	1.02686	2.59821	1.33927854	1.02786	2.59921	1.33842942	0.00523184	No
						Tmtc4	2.08967	14.7957	2.82383092	2.09067	14.7967	2.82323819	0.00022079	No
						Tnfaip1	5.61072	26.117	2.21873136	5.61172	26.118	2.21852949	0.00022079	No
						Tnfaip3	86.6145	8.69903	-3.3156821	86.6155	8.70003	-3.3155329	0.00022079	No
						Tnfaip6	0	1.26516	inf	0.001	1.26616	10.306244	0.00022079	No
						Tnfaip8l1	19.1389	2.14662	-3.1563692	19.1399	2.14762	-3.1557726	0.0139821	No
						Tnfrsf14	516.61	24.7307	-4.3847006	516.611	24.7317	-4.384645	0.00022079	No
						Tnfrsf1a	6.56171	24.2675	1.88688175	6.56271	24.2685	1.88672135	0.00022079	No
						Tnfrsf1b	24.2321	3.23794	-2.9037713	24.2331	3.23894	-2.9033853	0.00022079	No
						Tnfrsf21	2.34821	52.4722	4.48191994	2.34921	52.4732	4.48133318	0.00022079	No
						Tnfrsf26	118.091	6.67319	-4.1453786	118.092	6.67419	-4.1451747	0.00022079	No
						Tnfsf10	5.59245	13.452	1.26626833	5.59345	13.453	1.26611762	0.0111498	No
						Tnfsf11	1.23563	0	#NUM!	1.23663	0.001	-10.272198	0.00022079	No
						Tnfsf13	0.667728	22.0476	5.04521727	0.668728	22.0486	5.04312372	0.00022079	No
						Tnik	9.355	0.612604	-3.932711	9.356	0.613604	-3.9305121	0.00022079	No
						Tnip1	67.6615	30.5855	-1.1454873	67.6625	30.5865	-1.1454615	0.00022079	No
						Tnks1bp1	2.84794	14.1927	2.31715841	2.84894	14.1937	2.31675358	0.00022079	No
						Tnks2	14.0771	6.81368	-1.0468441	14.0781	6.81468	-1.0467348	0.00096553	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tnni1	0	1.24418	inf	0.001	1.24518	10.2821386	0.00022079	No
						Tnni3k	0.053394	1.81818	5.08967359	0.054394	1.81918	5.06369697	0.0182773	No
						Tnnt2	0.144638	9.62705	6.05657524	0.145638	9.62805	6.04678489	0.00022079	No
						Tnnt3	33.6793	12.1237	-1.4740321	33.6803	12.1247	-1.4739559	0.00672121	No
						Tnrc6a	28.7398	8.74831	-1.7159738	28.7408	8.74931	-1.7158591	0.00022079	No
						Tnrc6b	20.1173	3.83054	-2.392817	20.1183	3.83154	-2.3925121	0.00060553	No
						Tnrc6c	25.2203	9.29909	-1.439424	25.2213	9.30009	-1.4393261	0.0130042	No
						Tns1	0.0993432	103.07	10.0189156	0.1003432	103.071	10.0044799	0.00022079	No
						Tns3	0.064005	44.4196	9.43879607	0.065005	44.4206	9.41646247	0.00022079	No
						Tob1	16.4711	53.509	1.69984466	16.4721	53.51	1.69978404	0.00022079	No
						Tob2	7.33446	12.1951	0.73353893	7.33546	12.1961	0.73346054	0.0364343	No
						Tollip	9.91721	17.2214	0.79619622	9.91821	17.2224	0.79613452	0.0251614	No
						Tom1	10.3351	31.9508	1.62829971	10.3361	31.9518	1.62820527	0.00022079	No
						Tom1l2	15.6324	29.7881	0.93019682	15.6334	29.7891	0.93015296	0.0181685	No
						Tomm34	42.5423	16.6047	-1.3573064	42.5433	16.6057	-1.3572534	0.00022079	No
						Tomm40l	5.61404	12.7201	1.17999876	5.61504	12.7211	1.17985522	0.0467974	No
						Top1mt	5.93167	11.6513	0.97398069	5.93267	11.6523	0.97386131	0.0347515	No
						Top2a	1.0921	2.5057	1.19810873	1.0931	2.5067	1.19736396	0.014108	No
						Top2b	19.2053	6.29244	-1.609813	19.2063	6.29344	-1.6096589	0.00242102	No
						Top3a	8.77767	3.14522	-1.4806771	8.77867	3.14622	-1.4803828	0.00113657	No
						Topbp1	18.3545	3.53419	-2.3766823	18.3555	3.53519	-2.3763528	0.00022079	No
						Tor1a	25.6077	14.6618	-0.8045154	25.6087	14.6628	-0.8044734	0.0431196	No
						Tor4a	14.2899	2.93891	-2.2816427	14.2909	2.93991	-2.2812529	0.00022079	No
						Tox	20.0788	2.84878	-2.8172569	20.0798	2.84978	-2.8168224	0.00022079	No
						Tox3	0	1.32673	inf	0.001	1.32773	10.3747461	0.00022079	No
						Tp53	198.002	57.2562	-1.7900112	198.003	57.2572	-1.7899933	0.00147497	No
						Tp53bp2	6.56855	13.3805	1.02648519	6.56955	13.3815	1.02637339	0.00436941	No
						Tp53inp1	33.88	10.2028	-1.7314687	33.881	10.2038	-1.7313699	0.00593001	No
						TP53INP2	0.635737	53.776	6.40238858	0.636737	53.777	6.40014787	0.00022079	No
						Tp63	0	1.06884	inf	0.001	1.06984	10.0631793	0.00618779	No
						Tpcn1	19.3298	68.7496	1.83052461	19.3308	68.7506	1.83047096	0.00022079	No
						Tpgs1	12.0087	31.8943	1.40921863	12.0097	31.8953	1.40914373	0.00022079	No
						Tpi1	14.6125	226.025	3.95120742	14.6135	226.026	3.95111508	0.00022079	No
						Tpk1	1.24838	5.81693	2.22020079	1.24938	5.81793	2.2192936	0.0019604	No
						TPM1	10.6291	206.623	4.28090951	10.6301	206.624	4.28078076	0.00022079	No
						Tpm3	389.951	138.137	-1.4971931	389.952	138.138	-1.4971863	0.00022079	No
						Tpmt	102.799	48.4317	-1.0858027	102.8	48.4327	-1.0857869	0.0138632	No
						Tpp1	19.7371	36.4047	0.88321469	19.7381	36.4057	0.88318123	0.0187326	No
						Tpp2	34.555	12.718	-1.4420227	34.556	12.719	-1.441951	0.00022079	No
						Tpr	51.3135	18.272	-1.4897039	51.3145	18.273	-1.489653	0.00022079	No
						Tpra1	22.9075	47.2052	1.04312577	22.9085	47.2062	1.04309336	0.015076	No
						TPRG1L	121.231	73.4862	-0.7222134	121.232	73.4872	-0.7222057	0.0282852	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tprn	4.31227	15.9463	1.8867023	4.31327	15.9473	1.88645825	0.00022079	No
						Tpst2	65.5194	35.5277	-0.8829779	65.5204	35.5287	-0.8829593	0.0072515	No
						Tra2a	97.9971	43.7008	-1.1650794	97.9981	43.7018	-1.1650611	0.00164037	No
						Tra2b	173.849	55.698	-1.6421373	173.85	55.699	-1.6421197	0.00022079	No
						Trabd2b	0.0191561	32.0338	10.7075754	0.0201561	32.0348	10.6342077	0.00022079	No
						Trac	986.661	123.467	-2.998429	986.662	123.468	-2.9984188	0.00022079	No
						Traf2	33.5544	18.3019	-0.8745085	33.5554	18.3029	-0.8744727	0.0215651	No
						Traf3	16.3827	5.76694	-1.5062952	16.3837	5.76794	-1.5061331	0.00022079	No
						Traf3ip3	201.824	17.8242	-3.5011885	201.825	17.8252	-3.5011147	0.00466383	No
						Traf4	12.6324	42.2179	1.74072606	12.6334	42.2189	1.74064603	0.00022079	No
						Traf6	14.2457	3.07469	-2.2120136	14.2467	3.07569	-2.2116458	0.00022079	No
						Trak1	7.71339	16.734	1.11734538	7.71439	16.735	1.11724456	0.00466383	No
						Tram1	99.4923	49.7875	-0.9988013	99.4933	49.7885	-0.9987868	0.0019604	No
						Trappc1	29.7477	125.401	2.07569882	29.7487	125.402	2.07566183	0.00022079	No
						Trappc10	14.6601	9.09704	-0.6884258	14.6611	9.09804	-0.6883657	0.0388459	No
						TRAPPC2	5.94119	31.8216	2.42118254	5.94219	31.8226	2.42098507	0.00060553	No
						Trappc2l	31.4633	103.764	1.7215641	31.4643	103.765	1.72153215	0.00022079	No
						Trappc3	24.168	42.0574	0.79926158	24.169	42.0584	0.79923619	0.0318275	No
						Trappc8	13.6895	7.71041	-0.8281903	13.6905	7.71141	-0.8281086	0.0297932	No
						Trappc9	17.9585	9.37833	-0.9372639	17.9595	9.37933	-0.9371904	0.0240684	No
						Trat1	58.4007	1.7963	-5.0228854	58.4017	1.7973	-5.0221072	0.00022079	No
						Trav4-2	5.83335	0	#NUM!	5.83435	0.001	-12.510356	0.00022079	No
						Trav5-4	2.40813	0	#NUM!	2.40913	0.001	-11.234297	0.00041963	No
						Trdmt1	7.94266	4.07368	-0.9632896	7.94366	4.07468	-0.9631171	0.0198519	No
						Trem2	0.138204	5.0102	5.17999692	0.139204	5.0112	5.16988355	0.00113657	No
						Trem12	55.4916	1.60415	-5.1123884	55.4926	1.60515	-5.1115154	0.00022079	No
						Trerf1	11.869	3.26699	-1.8611644	11.87	3.26799	-1.8608445	0.00632443	No
						Triap1	16.1379	39.9725	1.30855495	16.1389	39.9735	1.30850165	0.00041963	No
						Trib1	0.627344	5.02965	3.00312935	0.628344	5.03065	3.00111831	0.00060553	No
						Trib2	102.29	8.96954	-3.5114873	102.291	8.97054	-3.5113406	0.00022079	No
						Trib3	2.19557	0.241943	-3.1818564	2.19657	0.242943	-3.1765627	0.011893	No
						Tril	0	16.0486	inf	0.001	16.0496	13.9702497	0.00022079	No
						Trim14	27.8122	3.08923	-3.1703987	27.8132	3.09023	-3.1699836	0.00022079	No
						Trim21	34.074	9.41953	-1.8549443	34.075	9.42053	-1.8548335	0.00022079	No
						Trim28	93.1119	57.2356	-0.7020528	93.1129	57.2366	-0.7020431	0.035709	No
						Trim29	0	8.78122	inf	0.001	8.78222	13.10037	0.00022079	No
						Trim3	6.05589	12.8925	1.09012114	6.05689	12.8935	1.08999483	0.011657	No
						Trim32	4.14724	10.9002	1.39413116	4.14824	10.9012	1.39391569	0.00022079	No
						Trim33	26.3184	5.72893	-2.1997342	26.3194	5.72993	-2.1995372	0.00022079	No
						Trim44	18.4797	37.3452	1.01498149	18.4807	37.3462	1.01494205	0.0288046	No
						Trim5	164.772	17.9854	-3.195573	164.773	17.9864	-3.1955015	0.00022079	No
						Trip10	9.932	43.2578	2.12280413	9.933	43.2588	2.12269223	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trip13	1.23485	0.236063	-2.387092	1.23585	0.237063	-2.3821612	0.033901	No
						Trmt12	1.54311	5.79788	1.90968457	1.54411	5.79888	1.90899875	0.00130998	No
						Trmt13	15.7556	2.95645	-2.4139269	15.7566	2.95745	-2.4135306	0.00242102	No
						Trmt6	17.8764	5.00054	-1.8379004	17.8774	5.00154	-1.8376927	0.00022079	No
						Troap	0.106541	2.24201	4.39531208	0.107541	2.24301	4.38247736	0.0239545	No
						Trpc1	0.227801	4.74639	4.38098466	0.228801	4.74739	4.37496931	0.00180113	No
						Trpc3	0	1.68791	inf	0.001	1.68891	10.7218767	0.00022079	No
						Trpc4ap	69.5089	38.581	-0.8493072	69.5099	38.582	-0.8492905	0.038944	No
						Trpc6	0	2.33357	inf	0.001	2.33457	11.1889411	0.00605729	No
						Trpm4	0.0709131	3.19109	5.49185332	0.0719131	3.19209	5.47210292	0.00392909	No
						TRPM6	27.6723	4.86078	-2.5091828	27.6733	4.86178	-2.5089382	0.00348745	No
						Trpm7	42.0109	12.8933	-1.7041421	42.0119	12.8943	-1.7040646	0.00022079	No
						Trpv1	0.758206	16.4265	4.43729143	0.759206	16.4275	4.43547774	0.00022079	No
						Trpv2	11.3637	3.79513	-1.5822114	11.3647	3.79613	-1.5819583	0.00227055	No
						Trpv3	3.60298	0.150676	-4.5796691	3.60398	0.151676	-4.5705263	0.00765035	No
						Tsc1	11.2948	6.36511	-0.8274014	11.2958	6.36611	-0.8273025	0.0217988	No
						Tsc22d1	28.3121	405.003	3.83844193	28.3131	405.004	3.83839453	0.00022079	No
						Tsc22d3	469.444	91.7498	-2.3551762	469.445	91.7508	-2.3551635	0.00022079	No
						Tsen15	6.73832	32.6991	2.27879008	6.73932	32.7001	2.27862011	0.00022079	No
						Tsg101	32.6144	71.2948	1.12828777	32.6154	71.2958	1.12826377	0.0117698	No
						Tsn	34.3357	17.0573	-1.0093201	34.3367	17.0583	-1.0092775	0.00242102	No
						Tspan12	0.223422	47.837	7.74221185	0.224422	47.838	7.73579916	0.00022079	No
						Tspan13	94.1855	47.4734	-0.9883856	94.1865	47.4744	-0.9883705	0.00363736	No
						Tspan14	36.1415	11.2473	-1.6840777	36.1425	11.2483	-1.6839893	0.00022079	No
						Tspan17	1.51017	6.10353	2.01493291	1.51117	6.10453	2.01421426	0.0497157	No
						Tspan18	0.062461	7.19506	6.84790724	0.063461	7.19606	6.82519315	0.00022079	No
						Tspan3	12.8742	81.1149	2.65548416	12.8752	81.1159	2.65538989	0.00022079	No
						Tspan32	136.986	3.23712	-5.4031738	136.987	3.23812	-5.4027387	0.00022079	No
						Tspan4	0.362216	6.99179	4.27073967	0.363216	6.99279	4.26696852	0.00060553	No
						Tspan5	1.24582	32.2889	4.69587075	1.24682	32.2899	4.69475787	0.00022079	No
						Tspan6	0.451694	24.0975	5.73739392	0.452694	24.0985	5.73426335	0.00130998	No
						Tspan7	0	38.6292	inf	0.001	38.6302	15.2374415	0.00022079	No
						Tspo2	0	2.10162	inf	0.001	2.10262	11.0379724	0.0160426	No
						Tspyl2	25.0034	8.65783	-1.5300469	25.0044	8.65883	-1.529938	0.00022079	No
						Tstd3	4.12057	10.9871	1.41489482	4.12157	10.9881	1.41467604	0.00348745	No
						Ttc13	17.9518	8.77936	-1.0319408	17.9528	8.78036	-1.0318569	0.00909283	No
						Ttc14	20.3091	4.66994	-2.1206504	20.3101	4.67094	-2.1204125	0.00022079	No
						Ttc18	0.724209	5.77024	2.99415331	0.725209	5.77124	2.99241259	0.00113657	No
						Ttc25	0.07995	3.60143	5.49332802	0.08095	3.60243	5.47579551	0.00508519	No
						Ttc28	13.3753	1.3434	-3.3156104	13.3763	1.3444	-3.3146448	0.00022079	No
						Ttc37	29.9557	10.8402	-1.4664392	29.9567	10.8412	-1.4663543	0.00164037	No
						Ttc7b	6.06359	20.1441	1.73211324	6.06459	20.1451	1.73194695	0.00113657	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ttc9	0.394816	6.26886	3.98895075	0.395816	6.26986	3.98553139	0.00363736	No
						Ttf1	14.7514	4.28322	-1.7840842	14.7524	4.28422	-1.7838452	0.00022079	No
						Ttf2	6.52853	2.29267	-1.5097295	6.52953	2.29367	-1.5093213	0.00113657	No
						Ttll10	0.0124409	10.192	9.67813061	0.0134409	10.193	9.56673327	0.00480115	No
						Ttll3	1.37435	5.2041	1.92089923	1.37535	5.2051	1.92012708	0.0137492	No
						Ttll4	6.38955	2.18996	-1.5448098	6.39055	2.19096	-1.544377	0.00348745	No
						Ttll7	0.33824	3.19082	3.23780804	0.33924	3.19182	3.2340011	0.00523184	No
						Ttpa	0	0.914292	inf	0.001	0.915292	9.83808826	0.00022079	No
						Ttpal	8.82259	3.26123	-1.4357861	8.82359	3.26223	-1.4355073	0.00078858	No
						Ttr	0	14.5096	inf	0.001	14.5106	13.8248196	0.00022079	No
						Ttyh2	0.0559181	1.83421	5.03569967	0.0569181	1.83521	5.01091384	0.0112749	No
						Ttyh3	98.1156	16.0452	-2.6123408	98.1166	16.0462	-2.6122656	0.00022079	No
						Tubb2a	4.43317	50.468	3.50895832	4.43417	50.469	3.50866151	0.00022079	No
						Tubb4b	33.6625	109.169	1.69734901	33.6635	109.17	1.69731937	0.00022079	No
						Tubb5	325.089	84.7405	-1.9397112	325.09	84.7415	-1.9396986	0.00022079	No
						Tube1	15.1457	2.1022	-2.8489364	15.1467	2.1032	-2.8483456	0.0083198	No
						Tubgcp3	16.6688	7.71701	-1.1110364	16.6698	7.71801	-1.110936	0.0153152	No
						Tufm	28.3612	96.7245	1.76996279	28.3622	96.7255	1.76992684	0.00022079	No
						Tuft1	0.0262487	7.88259	8.23027995	0.0272487	7.88359	8.17652154	0.00407863	No
						Tulp3	0.388069	9.11448	4.55377525	0.389069	9.11548	4.55022069	0.00022079	No
						Tulp4	3.84185	6.08	0.66227013	3.84285	6.081	0.66213193	0.0455876	No
						Tusc2	9.78516	34.8546	1.83268172	9.78616	34.8556	1.83257569	0.00022079	No
						Tusc3	0.675364	31.7927	5.55688645	0.676364	31.7937	5.55479724	0.00022079	No
						Twistnb	10.4111	3.5899	-1.5361069	10.4121	3.5909	-1.5358437	0.00022079	No
						Twsg1	3.61705	21.5111	2.57219585	3.61805	21.5121	2.57186412	0.00022079	No
						Txk	86.0003	5.89202	-3.8675075	86.0013	5.89302	-3.8672794	0.00022079	No
						Txlng	19.3139	2.83037	-2.7705769	19.3149	2.83137	-2.770142	0.0265154	No
						Txn1	212.821	801.629	1.91329419	212.822	801.63	1.91328921	0.00022079	No
						Txn2	36.0493	125.189	1.79606465	36.0503	125.19	1.79603616	0.00022079	No
						Txndc16	21.1954	3.47781	-2.6075002	21.1964	3.47881	-2.6071535	0.00022079	No
						Txndc17	18.4259	69.5553	1.91642536	18.4269	69.5563	1.91636781	0.00022079	No
						Txnip	2146.11	199.205	-3.4293983	2146.111	199.206	-3.4293917	0.00113657	No
						Txn1l	34.7234	76.1491	1.13291877	34.7244	76.1501	1.13289617	0.00242102	No
						Txnrd1	11.6742	51.0432	2.12839509	11.6752	51.0442	2.12829978	0.00022079	No
						Tyk2	22.2425	9.31363	-1.2559035	22.2435	9.31463	-1.2558134	0.00113657	No
						Tyms	1.21618	9.54601	2.97254108	1.21718	9.54701	2.97150644	0.0469889	No
						Tyro3	0.078684	2.96819	5.23736933	0.079684	2.96919	5.21963553	0.00363736	No
						Tyrobp	13.1949	139.354	3.40070209	13.1959	139.355	3.40060311	0.00022079	No
						U2af2	164.16	55.201	-1.5723363	164.161	55.202	-1.572319	0.00022079	No
						Uap1l1	5.6691	62.7781	3.46906974	5.6701	62.7791	3.46883826	0.00022079	No
						Uba2	50.987	20.3921	-1.3221191	50.988	20.3931	-1.3220767	0.00060553	No
						Uba6	7.6522	3.45516	-1.1471221	7.6532	3.45616	-1.1468931	0.00451708	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ubac1	18.1398	36.5313	1.00997454	18.1408	36.5323	1.00993451	0.00363736	No
						Ubald2	458.446	135.906	-1.7541427	458.447	135.907	-1.7541352	0.00041963	No
						Ubap1	10.9242	20.1307	0.88186971	10.9252	20.1317	0.88180931	0.0142227	No
						Ubap2l	42.2158	25.0174	-0.7548512	42.2168	25.0184	-0.7548277	0.0390462	No
						Ubc	67.525	216.012	1.67761782	67.526	216.013	1.67760313	0.00022079	No
						Ubd	8.76582	52.0105	2.56884195	8.76682	52.0115	2.56870511	0.00022079	No
						Ube2b	78.1212	48.1035	-0.6995722	78.1222	48.1045	-0.6995607	0.0386537	No
						Ube2d3	258.592	129.301	-0.9999442	258.593	129.302	-0.9999386	0.0155671	No
						Ube2e2	2.86485	27.563	3.26620141	2.86585	27.564	3.26575026	0.00078858	No
						Ube2f	15.1649	36.8816	1.28216526	15.1659	36.8826	1.28210925	0.00304332	No
						Ube2g1	52.2065	27.3702	-0.9316235	52.2075	27.3712	-0.9315984	0.0103977	No
						Ube2h	62.7656	22.4574	-1.4827832	62.7666	22.4584	-1.4827419	0.00022079	No
						Ube2i	167.513	74.839	-1.1624109	167.514	74.84	-1.1624002	0.0105196	No
						Ube2j1	27.0706	16.1789	-0.7426133	27.0716	16.1799	-0.7425775	0.0315052	No
						Ube2j2	97.7296	45.1992	-1.1124983	97.7306	45.2002	-1.1124812	0.0179279	No
						Ube2l6	1.30542	5.59132	2.09867487	1.30642	5.59232	2.09782813	0.00884258	No
						Ube2o	29.5467	8.8958	-1.7318008	29.5477	8.8968	-1.7316874	0.00022079	No
						Ube4a	21.4642	9.39595	-1.1918215	21.4652	9.39695	-1.1917351	0.00022079	No
						Ubl4a	6.79355	17.6479	1.37725896	6.79455	17.6489	1.37712836	0.00022079	No
						Ubn1	21.7249	8.00363	-1.4406232	21.7259	8.00463	-1.4405093	0.00022079	No
						Ubn2	10.1489	3.9989	-1.3436483	10.1499	3.9999	-1.3434297	0.00022079	No
						Ubp1	82.7946	23.1733	-1.8370732	82.7956	23.1743	-1.8370283	0.00022079	No
						Ubr1	21.2797	10.34	-1.0412416	21.2807	10.341	-1.0411699	0.00579147	No
						Ubr2	33.7865	12.2097	-1.4684192	33.7875	12.2107	-1.4683437	0.00022079	No
						Ubr4	60.3248	23.787	-1.3425779	60.3258	23.788	-1.3425412	0.0165181	No
						Ubr7	18.0559	8.65871	-1.0602463	18.0569	8.65971	-1.0601596	0.0019604	No
						Ubxn11	0.331857	10.7252	5.01429903	0.332857	10.7262	5.01009274	0.00078858	No
						Ubxn8	3.87138	9.07849	1.22960443	3.87238	9.07949	1.22939073	0.00805135	No
						Uchl1	7.86871	103.308	3.71468103	7.86971	103.309	3.71451166	0.00022079	No
						UCMA	0	5.59625	inf	0.001	5.59725	12.4505025	0.00022079	No
						Ucp1	0	1.31671	inf	0.001	1.31771	10.3638172	0.00022079	No
						Ucp2	571.097	75.3119	-2.9227861	571.098	75.3129	-2.9227694	0.00022079	No
						Ufsp1	1.90545	9.47285	2.31366679	1.90645	9.47385	2.31306214	0.00392909	No
						Ufsp2	19.1786	37.6059	0.97146161	19.1796	37.6069	0.97142475	0.0453842	No
						Ugcg	43.1472	15.7952	-1.4497807	43.1482	15.7962	-1.4497228	0.00022079	No
						Ugdh	13.7486	39.3415	1.51676725	13.7496	39.3425	1.51669899	0.00022079	No
						Uggt1	30.9567	9.08116	-1.7693032	30.9577	9.08216	-1.7691909	0.00022079	No
						Ugp2	24.8779	43.6241	0.81026066	24.8789	43.6251	0.81023574	0.0135008	No
						Ugt1a2	1.42837	75.2861	5.71994188	1.42937	75.2871	5.71895137	0.00022079	No
						Ugt2b35	0	24.1209	inf	0.001	24.1219	14.5580559	0.00022079	No
						Uhrf1bp1	0.165817	8.06241	5.60354732	0.166817	8.06341	5.59505186	0.00022079	No
						Uhrf2	116.407	26.4701	-2.1367423	116.408	26.4711	-2.1367002	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ulk1	14.3083	24.7519	0.790687	14.3093	24.7529	0.79064446	0.0472957	No
						Unc13b	1.50319	4.63718	1.62522035	1.50419	4.63818	1.624572	0.00041963	No
						Unc5b	4.50779	2.03061	-1.1505071	4.50879	2.03161	-1.1501168	0.0154422	No
						Unc5cl	1.60581	7.83015	2.28573874	1.60681	7.83115	2.28502484	0.00113657	No
						Unc93b1	3.33616	10.3141	1.62835755	3.33716	10.3151	1.62806504	0.00041963	No
						Ung	9.5034	21.0582	1.14786646	9.5044	21.0592	1.14778317	0.00242102	No
						Unkl	27.2327	6.13711	-2.1497087	27.2337	6.13811	-2.1495266	0.00022079	No
						Upf2	45.3541	20.256	-1.1628837	45.3551	20.257	-1.1628443	0.00180113	No
						Upf3b	42.3903	10.0113	-2.0821049	42.3913	10.0123	-2.0819948	0.00022079	No
						Upk1a	0.493547	47.8599	6.59948609	0.494547	47.8609	6.59659608	0.00870822	No
						Upk1b	0	11.1221	inf	0.001	11.1231	13.4412713	0.00022079	No
						Upk2	0	22.6443	inf	0.001	22.6453	14.466924	0.00022079	No
						Upk3a	0	36.1083	inf	0.001	36.1093	15.1400828	0.00022079	No
						Upk3bl	0	10.8328	inf	0.001	10.8338	13.4032517	0.00022079	No
						Upp1	0.708188	17.279	4.60874352	0.709188	17.28	4.60679128	0.00130998	No
						Upp2	0	0.907283	inf	0.001	0.908283	9.82699807	0.00022079	No
						Uqcc	15.9929	28.3905	0.82797669	15.9939	28.3915	0.8279373	0.0300208	No
						UQCRB	49.4833	242.318	2.29188796	49.4843	242.319	2.29186475	0.00022079	No
						Uqcrc1	83.6488	283.259	1.75970505	83.6498	283.26	1.75969289	0.00022079	No
						Uqcrc2	65.3003	127.097	0.96076845	65.3013	127.098	0.96075771	0.0437345	No
						Uqcrfs1	87.6914	257.311	1.55300587	87.6924	257.312	1.55299502	0.00022079	No
						Uqcrh	520.816	997.436	0.9374505	520.817	997.437	0.93744918	0.0264045	No
						Uqcrq	236.037	1658.02	2.81237648	236.038	1658.021	2.81237124	0.00022079	No
						Urad	0	9.81035	inf	0.001	9.81135	13.2602359	0.00022079	No
						Urb1	8.03036	1.09485	-2.8747314	8.03136	1.09585	-2.873594	0.00022079	No
						Urgcp	6.57578	13.7882	1.06820019	6.57678	13.7892	1.06808544	0.00765035	No
						Uri1	51.1637	12.9257	-1.9848782	51.1647	12.9267	-1.9847948	0.00022079	No
						Urod	31.0107	85.1377	1.45703202	31.0117	85.1387	1.45700245	0.00022079	No
						Uros	1.70182	3.98275	1.22668647	1.70282	3.98375	1.22620117	0.0490106	No
						Use1	124.396	311.763	1.32550962	124.397	311.764	1.32550265	0.00041963	No
						Usmg5	371.477	1924.85	2.37340123	371.478	1924.851	2.3733981	0.00022079	No
						Usp1	22.1586	7.79465	-1.5073106	22.1596	7.79565	-1.5071906	0.00022079	No
						Usp20	7.25335	17.0134	1.22995211	7.25435	17.0144	1.22983802	0.0019604	No
						Usp24	40.103	17.8094	-1.1710713	40.104	17.8104	-1.1710262	0.0456891	No
						Usp25	35.3397	15.4071	-1.1976945	35.3407	15.4081	-1.1976416	0.0131304	No
						Usp28	93.4483	6.37668	-3.873291	93.4493	6.37768	-3.8730802	0.00022079	No
						Usp31	3.04055	0.992517	-1.6151686	3.04155	0.993517	-1.6141902	0.00022079	No
						Usp33	24.7866	14.2883	-0.7947261	24.7876	14.2893	-0.7946833	0.0335918	No
						Usp37	8.16592	3.8471	-1.0858441	8.16692	3.8481	-1.0856458	0.0444112	No
						Usp38	22.5386	5.70195	-1.9828706	22.5396	5.70295	-1.9826816	0.00022079	No
						Usp40	46.3204	8.97178	-2.3681816	46.3214	8.97278	-2.3680519	0.00022079	No
						Usp43	0	3.96509	inf	0.001	3.96609	11.9535017	0.00605729	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Usp45	12.498	3.1931	-1.9686676	12.499	3.1941	-1.9683313	0.00022079	No
						Usp48	69.8055	13.7314	-2.345862	69.8065	13.7324	-2.3457776	0.00022079	No
						Usp53	5.38345	11.5111	1.09642277	5.38445	11.5121	1.09628014	0.00685176	No
						Usp6nl	11.1817	4.50755	-1.3107241	11.1827	4.50855	-1.3105331	0.00113657	No
						Usp7	78.4459	30.6124	-1.3575819	78.4469	30.6134	-1.3575532	0.00022079	No
						Usp9x	20.7344	11.7675	-0.8172184	20.7354	11.7685	-0.8171654	0.0173596	No
						Ust	5.53206	0.530154	-3.3833334	5.53306	0.531154	-3.3808755	0.00041963	No
						Utp14a	15.5569	5.81417	-1.4199094	15.5579	5.81517	-1.4197541	0.00022079	No
						Utp18	18.0174	9.0311	-0.9964172	18.0184	9.0321	-0.9963375	0.00765035	No
						Utp20	6.02861	2.13637	-1.4966639	6.02961	2.13737	-1.496228	0.00022079	No
						Vamp1	64.7985	6.69511	-3.2747808	64.7995	6.69611	-3.2745875	0.00022079	No
						Vamp4	20.8573	7.226	-1.5292833	20.8583	7.227	-1.5291528	0.00022079	No
						Vamp8	65.708	264.33	2.00819924	65.709	264.331	2.00818274	0.00041963	No
						Vangl1	0.220046	2.62583	3.57689647	0.221046	2.62683	3.5709043	0.0251614	No
						Vapb	22.0917	39.8527	0.85117303	22.0927	39.8537	0.85114393	0.0201925	No
						Vash2	0.0591299	6.02899	6.67188469	0.0601299	6.02999	6.64792924	0.00227055	No
						Vasp	83.7952	32.862	-1.3504473	83.7962	32.863	-1.3504206	0.00022079	No
						Vat1	6.09263	56.8259	3.22141159	6.09363	56.8269	3.22120021	0.00022079	No
						Vav1	39.4355	1.70103	-4.5350144	39.4365	1.70203	-4.5342031	0.00022079	No
						Vcan	0.155644	3.33416	4.42100147	0.156644	3.33516	4.41219456	0.010907	No
						Vcpip1	15.8745	6.21419	-1.3530729	15.8755	6.21519	-1.3529316	0.00060553	No
						Vdac1	22.5521	237.968	3.3994339	22.5531	237.969	3.39937599	0.00022079	No
						Vdac2	87.1884	167.162	0.93903882	87.1894	167.163	0.9390309	0.00909283	No
						Vdac3	81.1289	149.258	0.87952043	81.1299	149.259	0.87951231	0.00536605	No
						Vdr	0.260196	43.9302	7.39947047	0.261196	43.9312	7.39396929	0.00022079	No
						Vegfa	0.123981	61.4405	8.9529271	0.124981	61.4415	8.94136084	0.00022079	No
						Vegfb	2.41203	41.9895	4.12170885	2.41303	41.9905	4.12114521	0.00022079	No
						Vegfc	0.0810684	3.45192	5.41211555	0.0820684	3.45292	5.39484627	0.0350649	No
						Veph1	0	10.4809	inf	0.001	10.4819	13.3556126	0.00022079	No
						Vill	0	71.591	inf	0.001	71.592	16.1275108	0.00022079	No
						Vipr2	5.45424	0.320542	-4.0887929	5.45524	0.321542	-4.0845636	0.00022079	No
						Vkorc1	6.80801	84.1808	3.62818616	6.80901	84.1818	3.6279914	0.00022079	No
						Vma21	5.20886	11.0869	1.08981646	5.20986	11.0879	1.08966964	0.00422081	No
						Vmo1	0.244823	2.87657	3.55453857	0.245823	2.87757	3.54915921	0.0472957	No
						Vnn1	0.727565	17.76	4.60941163	0.728565	17.761	4.60751131	0.00022079	No
						Vopp1	60.7102	22.5527	-1.4286388	60.7112	22.5537	-1.4285986	0.00022079	No
						Vps13a	31.3653	11.1446	-1.4928245	31.3663	11.1456	-1.4927411	0.00022079	No
						Vps18	2.2986	4.76059	1.05038495	2.2996	4.76159	1.05006047	0.0229153	No
						Vps25	52.6881	131.836	1.32319532	52.6891	131.837	1.32317888	0.00422081	No
						Vps29	22.2485	79.0536	1.82912309	22.2495	79.0546	1.8290765	0.00022079	No
						Vps36	50.7198	22.5875	-1.1670245	50.7208	22.5885	-1.166989	0.00392909	No
						Vps37b	83.4521	9.44042	-3.1440254	83.4531	9.44142	-3.1438899	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Vps45	9.12205	42.3508	2.21495924	9.12305	42.3518	2.21483516	0.0405826	No
						Vps9d1	11.2695	28.1178	1.31906021	11.2705	28.1188	1.31898351	0.00949299	No
						Vrk1	32.7882	10.794	-1.6029471	32.7892	10.795	-1.6028575	0.00022079	No
						Vsig10	0.117569	9.4979	6.33602895	0.118569	9.4989	6.32396168	0.00022079	No
						Vsig10l	0.869025	10.7971	3.63510238	0.870025	10.7981	3.63357682	0.00022079	No
						Vti1b	41.5751	69.5198	0.7417042	41.5761	69.5208	0.74169025	0.0488116	No
						Vwa2	0	7.51718	inf	0.001	7.51818	12.8761677	0.00022079	No
						Vwa7	0.0597043	3.4018	5.83231967	0.0607043	3.4028	5.80877984	0.0111498	No
						Vwa8	8.81585	27.7069	1.65207372	8.81685	27.7079	1.65196215	0.00041963	No
						Vwf	17.1547	5.36174	-1.6778307	17.1557	5.36274	-1.6776458	0.00022079	No
						Wac	117.555	45.9684	-1.3546215	117.556	45.9694	-1.3546024	0.00288641	No
						Wapal	42.8799	12.7836	-1.7460074	42.8809	12.7846	-1.7459282	0.00022079	No
						Was	108.734	10.5983	-3.3588984	108.735	10.5993	-3.3587755	0.00022079	No
						Wasf1	0.0575764	1.52218	4.72451757	0.0585764	1.52318	4.7006231	0.0248413	No
						Wasf2	42.8902	13.4889	-1.6688753	42.8912	13.4899	-1.668802	0.00022079	No
						Wasf3	0	5.61075	inf	0.001	5.61175	12.454235	0.00022079	No
						Wbp1l	70.7147	25.1292	-1.4926454	70.7157	25.1302	-1.4926084	0.00022079	No
						Wbp5	9.62071	194.88	4.34029886	9.62171	194.881	4.34015631	0.00022079	No
						Wdfy1	2.01847	13.3423	2.72467334	2.01947	13.3433	2.72406689	0.00022079	No
						Wdfy3	0.0510855	14.2167	8.12045705	0.0520855	14.2177	8.09259058	0.00022079	No
						Wdhd1	6.24057	0.976769	-2.6755885	6.24157	0.977769	-2.6743434	0.00022079	No
						Wdpcp	0.426547	4.36839	3.35632504	0.427547	4.36939	3.35327695	0.00041963	No
						Wdr11	5.57527	18.5399	1.73351988	5.57627	18.5409	1.73333895	0.00041963	No
						Wdr13	9.90084	16.4049	0.72850396	9.90184	16.4059	0.7284462	0.0414004	No
						Wdr19	0.371122	2.53201	2.77031767	0.372122	2.53301	2.76700518	0.00078858	No
						Wdr26	79.7484	17.2825	-2.2061436	79.7494	17.2835	-2.2060783	0.00022079	No
						Wdr27	0.0870491	9.80146	6.81502347	0.0880491	9.80246	6.79869178	0.00022079	No
						Wdr3	19.6896	6.38871	-1.6238372	19.6906	6.38971	-1.6236847	0.00022079	No
						Wdr35	0.660559	11.7096	4.14786056	0.661559	11.7106	4.14580136	0.00022079	No
						Wdr37	11.7653	4.88847	-1.2670832	11.7663	4.88947	-1.2669107	0.00096553	No
						Wdr4	9.21239	4.55723	-1.0154183	9.21339	4.55823	-1.0152584	0.0375607	No
						Wdr43	32.3031	10.3601	-1.6406347	32.3041	10.3611	-1.6405401	0.00022079	No
						Wdr44	7.56986	2.06157	-1.8765232	7.57086	2.06257	-1.8760141	0.00022079	No
						Wdr45	49.4875	24.1931	-1.0324685	49.4885	24.1941	-1.032438	0.00658515	No
						Wdr5	28.0227	14.4258	-0.9579446	28.0237	14.4268	-0.9578961	0.00494367	No
						Wdr54	0.126618	17.0093	7.06969745	0.127618	17.0103	7.05843295	0.0395387	No
						WDR55	119.891	59.2743	-1.0162447	119.892	59.2753	-1.0162324	0.00211842	No
						Wdr6	9.80389	19.6199	1.00089149	9.80489	19.6209	1.00081787	0.0334772	No
						Wdr60	0.269222	3.71248	3.78551504	0.270222	3.71348	3.78055477	0.00211842	No
						Wdr61	20.2845	43.1559	1.08918007	20.2855	43.1569	1.08914238	0.00551024	No
						Wdr72	0	14.0965	inf	0.001	14.0975	13.7831517	0.00022079	No
						Wdr73	5.84663	17.3509	1.5693333	5.84763	17.3519	1.56916971	0.0110257	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wdr75	28.4664	10.6505	-1.4183389	28.4674	10.6515	-1.4182541	0.00022079	No
						Wdr91	13.764	34.9006	1.34235204	13.765	34.9016	1.34228857	0.0316175	No
						Wdsub1	1.76418	12.1774	2.78713646	1.76518	12.1784	2.78643739	0.00041963	No
						Wfdc1	0	5.17654	inf	0.001	5.17754	12.3380511	0.00022079	No
						Wfdc10	0	10.5065	inf	0.001	10.5075	13.3591318	0.00022079	No
						Wfdc3	0	6.77138	inf	0.001	6.77238	12.7254472	0.0200735	No
						Wfs1	0.610047	6.75364	3.46867298	0.611047	6.75464	3.46652362	0.00022079	No
						Wibg	106.789	28.2207	-1.9199374	106.79	28.2217	-1.9198998	0.00022079	No
						Wipf1	79.7438	5.52814	-3.8505063	79.7448	5.52914	-3.8502634	0.00022079	No
						Wipf3	6.57786	1.18737	-2.4698487	6.57886	1.18837	-2.4688535	0.00022079	No
						Wipi1	0.166105	10.6979	6.00908831	0.167105	10.6989	6.00056376	0.0019604	No
						Wisp3	7.45056	1.79241	-2.0554482	7.45156	1.79341	-2.0548371	0.00508519	No
						Wls	5.18809	135.667	4.70872252	5.18909	135.668	4.7084551	0.00022079	No
						Wnt5a	0	1.76589	inf	0.001	1.76689	10.7869965	0.00022079	No
						Wnt7b	0	22.5074	inf	0.001	22.5084	14.4581759	0.00022079	No
						Wrap73	15.7526	5.72667	-1.4598216	15.7536	5.72767	-1.4596613	0.00858283	No
						Wrb	3.75757	10.4436	1.47474722	3.75857	10.4446	1.47450146	0.00096553	No
						Wrn	12.2188	3.74109	-1.707572	12.2198	3.74209	-1.7073045	0.00022079	No
						Wsb2	8.57004	50.7019	2.56466597	8.57104	50.7029	2.56452609	0.00022079	No
						Wt1	0	0.966422	inf	0.001	0.967422	9.91800154	0.00738919	No
						Wtap	61.774	19.1321	-1.6910045	61.775	19.1331	-1.6909525	0.00022079	No
						Wwc1	0.127539	91.8204	9.49173243	0.128539	91.8214	9.48048047	0.00022079	No
						Wwc2	0.110592	29.9434	8.08084721	0.111592	29.9444	8.06790881	0.00022079	No
						Wwc3	1.36537	7.14629	2.3879025	1.36637	7.14729	2.38704812	0.00022079	No
						Wwox	4.55375	21.1315	2.21426818	4.55475	21.1325	2.21401967	0.00164037	No
						Wwp1	0.953177	28.4017	4.89708934	0.954177	28.4027	4.89562736	0.00022079	No
						Wwtr1	0	28.1885	inf	0.001	28.1895	14.7828703	0.00022079	No
						XAF1	20.9731	5.19271	-2.0139806	20.9741	5.19371	-2.0137715	0.0375607	No
						XBP1	22.8883	56.9885	1.31606051	22.8893	56.9895	1.31602279	0.00022079	No
						Xdh	0.775505	9.01049	3.53839758	0.776505	9.01149	3.53669855	0.00022079	No
						Xkrx	20.5641	0.668721	-4.9425797	20.5651	0.669721	-4.9404941	0.00022079	No
						Xpnpep1	16.6006	94.5498	2.50983902	16.6016	94.5508	2.50976738	0.00022079	No
						Xpnpep2	0.217722	10.162	5.54455337	0.218722	10.163	5.53808418	0.00060553	No
						Xpo1	39.1143	19.1289	-1.0319422	39.1153	19.1299	-1.0319037	0.00180113	No
						Xpo4	11.6495	3.51438	-1.7289259	11.6505	3.51538	-1.7286393	0.00022079	No
						Xrcc4	1.8615	4.9251	1.4036874	1.8625	4.9261	1.40320549	0.026623	No
						Xrcc6bp1	8.42001	40.1741	2.25437185	8.42101	40.1751	2.25423643	0.00022079	No
						Xrn1	12.4056	4.96686	-1.3205855	12.4066	4.96786	-1.3204114	0.00060553	No
						Xrn2	54.1229	12.318	-2.1354711	54.1239	12.319	-2.1353806	0.00022079	No
						Xxylt1	5.99777	13.2783	1.14657235	5.99877	13.2793	1.14644048	0.0145886	No
						Xylb	5.5088	61.7563	3.48677633	5.5098	61.7573	3.48653782	0.00022079	No
						Xylt2	28.2361	8.55292	-1.7230519	28.2371	8.55392	-1.7229343	0.00022079	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Yae1d1	3.89901	10.1777	1.38423181	3.90001	10.1787	1.38400359	0.00060553	No
						Ybx1	129.363	256.124	0.98541741	129.364	256.125	0.98541189	0.00242102	No
						Ybx3	33.7644	55.2688	0.71096237	33.7654	55.2698	0.71094574	0.0348495	No
						Yeats4	42.42	25.1161	-0.7561322	42.421	25.1171	-0.7561087	0.0394543	No
						Yif1a	10.4518	34.3789	1.71777196	10.4528	34.3799	1.7176759	0.00022079	No
						Yif1b	22.4036	50.2471	1.16530976	22.4046	50.2481	1.16527408	0.0180483	No
						Yipf4	21.1192	35.2749	0.74008681	21.1202	35.2759	0.74005939	0.0303513	No
						YME1L1	13.8589	7.18516	-0.9477206	13.8599	7.18616	-0.9476239	0.00791314	No
						Ypel1	0.346752	4.29267	3.62989916	0.347752	4.29367	3.6260806	0.0331555	No
						Ypel3	318.553	103.097	-1.6275311	318.554	103.098	-1.6275216	0.00022079	No
						Yrdc	39.555	16.5691	-1.2553648	39.556	16.5701	-1.2553142	0.00618779	No
						Ythdc1	76.8877	31.9217	-1.2682153	76.8887	31.9227	-1.2681889	0.00022079	No
						Ythdc2	9.9718	3.47623	-1.5203304	9.9728	3.47723	-1.5200601	0.00022079	No
						Ythdf1	31.7179	16.7911	-0.9176005	31.7189	16.7921	-0.9175601	0.00242102	No
						Ythdf2	19.754	10.1962	-0.9541132	19.755	10.1972	-0.9540448	0.0432137	No
						Ywhae	109.761	295.382	1.42821638	109.762	295.383	1.42820812	0.00022079	No
						Ywhag	10.2644	41.3138	2.00897447	10.2654	41.3148	2.00886884	0.00022079	No
						Zadh2	8.07373	14.3692	0.8316725	8.07473	14.3702	0.83159422	0.0241707	No
						Zak	1.12665	10.05	3.15708419	1.12765	10.051	3.15594779	0.00022079	No
						Zap70	130.879	17.6564	-2.8899705	130.88	17.6574	-2.8898998	0.00022079	No
						Zbed3	6.13744	13.4552	1.13245491	6.13844	13.4562	1.13232709	0.00480115	No
						Zbed4	5.80261	3.33203	-0.8003006	5.80361	3.33303	-0.8001163	0.0448987	No
						Zbp1	57.8697	26.3034	-1.1375589	57.8707	26.3044	-1.137529	0.00845215	No
						Zbtb32	6.07657	1.6717	-1.8619412	6.07757	1.6727	-1.8613159	0.011893	No
						Zbtb34	9.35535	1.46061	-2.6792206	9.35635	1.46161	-2.6783874	0.00022079	No
						Zbtb38	2.39984	6.97231	1.53869849	2.40084	6.97331	1.53830436	0.00022079	No
						Zbtb4	9.70473	20.1807	1.05621624	9.70573	20.1817	1.05613907	0.00392909	No
						Zbtb40	25.8033	7.13516	-1.8545379	25.8043	7.13616	-1.8543916	0.00022079	No
						Zbtb43	7.01747	3.839	-0.8702204	7.01847	3.84	-0.8700503	0.020304	No
						Zbtb44	26.2143	7.02959	-1.8988416	26.2153	7.03059	-1.8986914	0.00022079	No
						Zbtb6	9.33301	3.7306	-1.3229348	9.33401	3.7316	-1.3227027	0.00333723	No
						Zbtb8a	0.253611	3.90979	3.94640189	0.254611	3.91079	3.94109341	0.00096553	No
						Zc2hc1a	0	9.18459	inf	0.001	9.18559	13.1651567	0.00022079	No
						Zc3h11a	64.0431	23.6265	-1.4386372	64.0441	23.6275	-1.4385987	0.00022079	No
						Zc3h12d	42.0534	2.6056	-4.0125349	42.0544	2.6066	-4.0120156	0.00022079	No
						Zc3h15	69.661	37.5982	-0.8896876	69.662	37.5992	-0.8896699	0.00436941	No
						Zc3h4	24.7421	10.5183	-1.2340664	24.7431	10.5193	-1.2339876	0.00022079	No
						Zc3h7a	99.0025	18.2197	-2.4419658	99.0035	18.2207	-2.4419011	0.00022079	No
						Zc3hav1	86.5303	9.05567	-3.2563121	86.5313	9.05667	-3.2561695	0.00022079	No
						Zc3hc1	19.7647	11.0508	-0.8387752	19.7657	11.0518	-0.8387177	0.026623	No
						Zc4h2	6.33179	2.73793	-1.2095278	6.33279	2.73893	-1.2092288	0.0120267	No
						Zcchc11	12.5131	4.86567	-1.3627289	12.5141	4.86667	-1.3625477	0.00333723	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zcchc14	0.0784959	4.91968	5.96980337	0.0794959	4.92068	5.95183343	0.0120267	No
						Zcchc16	0	1.11362	inf	0.001	1.11462	10.1223362	0.00022079	No
						Zcchc2	30.0184	4.79599	-2.6459465	30.0194	4.79699	-2.6456938	0.00022079	No
						Zcchc6	28.9173	10.2964	-1.4897928	28.9183	10.2974	-1.4897026	0.0256186	No
						Zcchc7	55.6092	15.5886	-1.8348322	55.6102	15.5896	-1.8347656	0.00022079	No
						Zcchc8	31.993	12.2491	-1.3850805	31.994	12.2501	-1.3850078	0.00096553	No
						Zcchc9	28.2946	14.1297	-1.0017959	28.2956	14.1307	-1.0017448	0.00551024	No
						Zdhhc1	0.505013	20.2869	5.32808409	0.506013	20.2879	5.32530128	0.00022079	No
						Zdhhc15	0.0607636	3.38082	5.79802205	0.0617636	3.38182	5.77489922	0.0186157	No
						Zdhhc23	1.16627	8.32426	2.83542021	1.16727	8.32526	2.83435702	0.00022079	No
						Zdhhc4	16.4974	32.4469	0.97584198	16.4984	32.4479	0.97579899	0.0166327	No
						Zdhhc9	4.26486	11.8739	1.47722358	4.26586	11.8749	1.47700684	0.00022079	No
						Zeb1	9.75136	2.51276	-1.9563306	9.75236	2.51376	-1.9559045	0.00022079	No
						Zfand6	111.922	55.4449	-1.013367	111.923	55.4459	-1.0133539	0.00257873	No
						Zfat	45.7144	1.80352	-4.6637614	45.7154	1.80452	-4.6629932	0.00318754	No
						Zfc3h1	65.1515	11.3901	-2.516018	65.1525	11.3911	-2.5159135	0.00022079	No
						Zfhx3	0.0724559	1.36417	4.23477646	0.0734559	1.36517	4.21605843	0.015076	No
						Zfp101	7.9036	1.38592	-2.511666	7.9046	1.38692	-2.5108079	0.00022079	No
						Zfp110	24.6855	10.0814	-1.2919679	24.6865	10.0824	-1.2918832	0.00041963	No
						Zfp120	9.31077	2.81708	-1.7246999	9.31177	2.81808	-1.7243429	0.00022079	No
						Zfp128	4.44665	1.85517	-1.2611675	4.44765	1.85617	-1.2607144	0.0212313	No
						Zfp131	28.6554	7.79468	-1.8782453	28.6564	7.79568	-1.8781106	0.00022079	No
						Zfp142	23.3997	8.85067	-1.4026315	23.4007	8.85167	-1.4025301	0.00041963	No
						Zfp167	0.330578	1.4284	2.11133742	0.331578	1.4294	2.1079895	0.0250666	No
						Zfp169	3.78237	0.839798	-2.1711762	3.78337	0.840798	-2.1698407	0.0019604	No
						Zfp18	17.3295	9.18422	-0.9160009	17.3305	9.18522	-0.9159271	0.0228245	No
						Zfp182	9.99388	3.70101	-1.4331259	9.99488	3.70201	-1.4328805	0.00022079	No
						Zfp185	0.0389731	10.2725	8.04209292	0.0399731	10.2735	8.00568259	0.00022079	No
						Zfp187	56.2421	12.3467	-2.187525	56.2431	12.3477	-2.1874338	0.00022079	No
						ZFP212	14.603	4.98024	-1.5519776	14.604	4.98124	-1.5517867	0.00022079	No
						Zfp217	16.9043	5.99684	-1.4951159	16.9053	5.99784	-1.4949607	0.00022079	No
						Zfp236	13.1514	3.26309	-2.0109057	13.1524	3.26409	-2.0105733	0.00022079	No
						Zfp238	30.9754	9.19126	-1.7527884	30.9764	9.19226	-1.752678	0.00022079	No
						Zfp259	55.8381	21.7516	-1.3601283	55.8391	21.7526	-1.3600878	0.00022079	No
						Zfp26	9.99285	2.18369	-2.1941281	9.99385	2.18469	-2.193612	0.00022079	No
						Zfp275	6.49718	1.76192	-1.8826653	6.49818	1.76292	-1.8820687	0.00022079	No
						Zfp280c	4.88012	1.7097	-1.5131734	4.88112	1.7107	-1.5126254	0.0290073	No
						Zfp280d	20.3403	9.19987	-1.1446556	20.3413	9.20087	-1.1445697	0.0229153	No
						Zfp281	10.6628	3.139	-1.7642094	10.6638	3.14	-1.7638852	0.00022079	No
						Zfp287	5.92361	2.05986	-1.5239304	5.92461	2.06086	-1.5234737	0.00333723	No
						Zfp292	13.6339	3.43596	-1.9884132	13.6349	3.43696	-1.9880992	0.00022079	No
						Zfp316	1.11954	2.59191	1.21110955	1.12054	2.59291	1.21037798	0.0231371	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp317	9.89615	4.94566	-1.0007043	9.89715	4.94666	-1.0005584	0.0226016	No
						Zfp346	5.61211	10.1356	0.8528163	5.61311	10.1366	0.85270159	0.0278747	No
						Zfp354a	0.582256	12.7434	4.45195284	0.583256	12.7444	4.4495904	0.00022079	No
						Zfp354c	4.84144	0.861971	-2.489725	4.84244	0.862971	-2.4883502	0.0462825	No
						Zfp3612	504.527	48.6982	-3.3729911	504.528	48.6992	-3.3729644	0.00022079	No
						Zfp382	2.51255	0.724982	-1.7931352	2.51355	0.725982	-1.7917207	0.0178094	No
						Zfp383	5.34274	1.84956	-1.5303977	5.34374	1.85056	-1.5298879	0.00288641	No
						Zfp384	32.8429	16.2867	-1.0118872	32.8439	16.2877	-1.0118426	0.00333723	No
						Zfp385c	15.4666	0.551166	-4.8105254	15.4676	0.552166	-4.8080035	0.00022079	No
						Zfp386	52.0375	13.4078	-1.9564791	52.0385	13.4088	-1.9563992	0.00022079	No
						Zfp394	17.5076	3.67618	-2.251702	17.5086	3.67718	-2.251392	0.00022079	No
						Zfp398	4.41484	1.63124	-1.4363921	4.41584	1.63224	-1.4358347	0.00711928	No
						Zfp40	2.56823	0.568953	-2.174393	2.56923	0.569953	-2.1724212	0.00752743	No
						Zfp407	10.7991	3.30623	-1.7076521	10.8001	3.30723	-1.7073494	0.00022079	No
						Zfp418	0.230103	1.52965	2.73284989	0.231103	1.53065	2.72753654	0.00096553	No
						Zfp444	10.1959	22.8885	1.16663379	10.1969	22.8895	1.16655533	0.00962607	No
						Zfp449	0	0.86094	inf	0.001	0.86194	9.75144364	0.00022079	No
						Zfp455	38.9774	11.0401	-1.8198846	38.9784	11.0411	-1.819791	0.00022079	No
						Zfp462	0.0719945	10.4824	7.18586666	0.0729945	10.4834	7.16610321	0.0451951	No
						Zfp467	5.73916	13.5056	1.23464623	5.74016	13.5066	1.2345017	0.00147497	No
						Zfp472	24.5863	3.46682	-2.8261698	24.5873	3.46782	-2.8258124	0.00022079	No
						Zfp496	13.3236	7.04548	-0.919214	13.3246	7.04648	-0.9191176	0.0136242	No
						Zfp503	0.0784155	18.2958	7.86615793	0.0794155	18.2968	7.84795502	0.00711928	No
						Zfp512b	12.9613	7.3344	-0.8214596	12.9623	7.3354	-0.8213742	0.0309567	No
						Zfp518a	6.09053	2.19764	-1.4706127	6.09153	2.19864	-1.4701932	0.00022079	No
						Zfp523	4.9687	18.5518	1.90061883	4.9697	18.5528	1.90040627	0.00022079	No
						Zfp54	57.5356	15.7646	-1.8677663	57.5366	15.7656	-1.8676999	0.00022079	No
						Zfp574	2.90057	13.0833	2.17331814	2.90157	13.0843	2.1729311	0.00022079	No
						Zfp592	13.5184	6.15844	-1.1342876	13.5194	6.15944	-1.13416	0.00022079	No
						Zfp597	6.12235	1.55543	-1.9767721	6.12335	1.55643	-1.9760805	0.00022079	No
						Zfp598	25.7835	14.4736	-0.8330243	25.7845	14.4746	-0.8329806	0.0208857	No
						Zfp612	1.54872	4.7143	1.60596723	1.54972	4.7153	1.60534199	0.00078858	No
						Zfp628	8.12892	3.08591	-1.3973677	8.12992	3.08691	-1.3970777	0.00392909	No
						Zfp629	1.39758	5.74877	2.04032244	1.39858	5.74977	2.03954147	0.00130998	No
						Zfp646	17.192	4.17706	-2.0411776	17.193	4.17806	-2.0409162	0.00022079	No
						Zfp654	10.8274	3.45293	-1.6487939	10.8284	3.45393	-1.6485093	0.00022079	No
						Zfp658	1.55764	0.664521	-1.2289751	1.55864	0.665521	-1.2277317	0.0495227	No
						Zfp664	7.99075	22.6747	1.50468064	7.99175	22.6757	1.50456373	0.0083198	No
						Zfp668	4.7702	1.43927	-1.7287125	4.7712	1.44027	-1.7280129	0.0296827	No
						Zfp68	12.0554	7.38817	-0.7063906	12.0564	7.38917	-0.706315	0.0446209	No
						Zfp691	2.71548	10.0258	1.88443822	2.71648	10.0268	1.88405092	0.00242102	No
						Zfp704	0	1.18251	inf	0.001	1.18351	10.2088562	0.00778313	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp709	7.1307	3.15866	-1.1747311	7.1317	3.15966	-1.1744767	0.00508519	No
						Zfp715	20.8069	5.02605	-2.0495651	20.8079	5.02705	-2.0493474	0.00022079	No
						Zfp740	32.7879	13.2851	-1.3033544	32.7889	13.2861	-1.3032898	0.0191747	No
						Zfp746	15.3659	5.98865	-1.3594295	15.3669	5.98965	-1.3592825	0.0019604	No
						Zfp768	0.19392	11.0936	5.8381222	0.19492	11.0946	5.83083172	0.00060553	No
						Zfp775	6.04082	12.1975	1.01376918	6.04182	12.1985	1.01364865	0.0172336	No
						Zfp777	19.1544	7.45401	-1.3615872	19.1554	7.45501	-1.361469	0.00022079	No
						Zfp788	13.2471	4.79813	-1.4651324	13.2481	4.79913	-1.4649407	0.0330481	No
						Zfp800	18.7655	4.34942	-2.1091878	18.7665	4.35042	-2.108933	0.00022079	No
						Zfp830	16.1937	7.21854	-1.1656537	16.1947	7.21954	-1.1655429	0.00778313	No
						Zfp84	8.40053	3.59349	-1.2250947	8.40153	3.59449	-1.224865	0.00041963	No
						Zfp85	2.66669	1.00223	-1.4118365	2.66769	1.00323	-1.4109386	0.0311608	No
						Zfp850	4.13184	1.254	-1.720247	4.13284	1.255	-1.7194461	0.0308614	No
						Zfp853	0.187504	2.47447	3.72212627	0.188504	2.47547	3.71503542	0.0388459	No
						Zfp862	4.0625	0.492416	-3.0444183	4.0635	0.493416	-3.0418465	0.00022079	No
						Zfp868	96.5604	22.8727	-2.077805	96.5614	22.8737	-2.0777568	0.00022079	No
						ZFP87	12.8189	7.00917	-0.8709569	12.8199	7.01017	-0.8708637	0.0405826	No
						Zfp870	0.192162	2.07193	3.43058029	0.193162	2.07293	3.42378819	0.0217988	No
						Zfp871	16.1709	6.257	-1.369857	16.1719	6.258	-1.3697156	0.00022079	No
						Zfp882	3.43556	1.26197	-1.4448677	3.43656	1.26297	-1.4441448	0.00593001	No
						Zfp94	5.92381	2.6793	-1.1446692	5.92481	2.6803	-1.1443744	0.0310553	No
						Zfp943	9.75205	3.39249	-1.523361	9.75305	3.39349	-1.5230837	0.0152053	No
						Zfp956	10.8926	2.15113	-2.3401817	10.8936	2.15213	-2.3396437	0.00022079	No
						Zfp958	52.6756	19.6374	-1.4235309	52.6766	19.6384	-1.4234848	0.0338019	No
						Zfpm1	24.3647	4.96664	-2.2944504	24.3657	4.96764	-2.2942191	0.00022079	No
						Zfx	16.3907	5.83501	-1.4900704	16.3917	5.83601	-1.4899112	0.00022079	No
						Zfyve16	1.20396	7.21911	2.58403353	1.20496	7.22011	2.58303556	0.00022079	No
						Zfyve21	2.90645	46.6406	4.00425635	2.90745	46.6416	4.00379099	0.00022079	No
						Zfyve9	0.0858876	4.6811	5.76825392	0.0868876	4.6821	5.75186164	0.00022079	No
						Zhx3	7.17533	23.85	1.73287218	7.17633	23.851	1.73273162	0.0210062	No
						Zim1	0	1.42276	inf	0.001	1.42376	10.4754903	0.00022079	No
						Zmym1	19.6028	4.87604	-2.0072779	19.6038	4.87704	-2.0070556	0.00022079	No
						Zmym2	30.9934	10.8338	-1.5164217	30.9944	10.8348	-1.5163351	0.00022079	No
						Zmynd15	0.0814611	10.0045	6.94032206	0.0824611	10.0055	6.92286384	0.0241707	No
						Zmynd8	53.0141	19.3276	-1.4557136	53.0151	19.3286	-1.4556662	0.00060553	No
						Znhit1	23.2261	81.2488	1.80659958	23.2271	81.2498	1.80655522	0.0105196	No
						Znrf2	43.9931	14.1058	-1.6409888	43.9941	14.1068	-1.6409193	0.00022079	No
						Zppb2	26.3984	6.3097	-2.0648072	26.3994	6.3107	-2.0646332	0.0240684	No
						Zranb3	2.75111	0.966157	-1.5096843	2.75211	0.967157	-1.5087161	0.00975879	No
						Zrsr2	23.636	11.977	-0.9807193	23.637	11.978	-0.9806599	0.0256186	No
						ZSCAN12	2.40864	8.04588	1.74003144	2.40964	8.04688	1.73961189	0.0019604	No
						Zswim6	14.8888	3.01421	-2.3043756	14.8898	3.01521	-2.303994	0.00022079	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zswim7	4.19181	12.3167	1.55497054	4.19281	12.3177	1.55474354	0.029468	No
						Zufsp	38.1086	13.8486	-1.4603765	38.1096	13.8496	-1.4603102	0.00466383	No
						Zw10	12.1164	6.43501	-0.9129468	12.1174	6.43601	-0.9128417	0.0200735	No
						Zzef1	15.4645	4.82223	-1.6811878	15.4655	4.82323	-1.680982	0.00022079	No
						Zzz3	22.1113	9.43155	-1.2292171	22.1123	9.43255	-1.2291293	0.00288641	No

Figure 3C MCWHS

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
42987	0.84073	0.25045	-0.59028	6.50E-07	Yes	42987	291.252	82.7627	-1.81521	291.253	82.7637	-1.8152029	0.00018329	Yes
43348	0.36326	0.45524	0.09198	0.01761018	Yes	43348	0.0868296	4.14854	5.57827	0.0878296	4.14954	5.56210037	0.0499918	Yes
Adcy3	0.15381	0.06071	-0.0931	0.02915203	Yes	Adcy3	11.9409	1.4988	-2.99404	11.9419	1.4998	-2.9931904	0.0118093	Yes
Adora2a	0.51173	0.17741	-0.33432	6.98E-06	Yes	Adora2a	11.9857	5.11579	-1.22828	11.9867	5.11679	-1.2281236	0.00018329	Yes
Aebp1	0.026564	0.086414	0.05985	0.03760671	Yes	Aebp1	0.082388	4.3581	5.72512	0.083388	4.3591	5.7080467	0.00018329	Yes
Aes	0.026166	0.1851	0.158934	1.00E-09	Yes	Aes	233.143	362.807	0.637988	233.144	362.808	0.63798497	0.0295293	Yes
Aff3	0.8521	0.67634	-0.17576	6.33E-05	Yes	Aff3	11.3293	2.4331	-2.21919	11.3303	2.4341	-2.2187257	0.00018329	Yes
Agap2	0.87839	0.24421	-0.63418	3.95E-12	Yes	Agap2	19.9527	3.62858	-2.45911	19.9537	3.62958	-2.4587818	0.00018329	Yes
Agpat3	0.2001	0.45548	0.25538	3.76E-05	Yes	Agpat3	28.7228	52.4705	0.869311	28.7238	52.4715	0.86928741	0.0458374	Yes
Amigo2	0.87714	0.70025	-0.17689	0.00070202	Yes	Amigo2	1.59412	0.380446	-2.06699	1.59512	0.381446	-2.0641142	0.00154856	Yes
Angptl4	0.015826	0.068327	0.052501	0.0279946	Yes	Angptl4	0.125199	6.1431	5.61667	0.126199	6.1441	5.60542931	0.00035173	Yes
Arhgef25	0.11541	0.23918	0.12377	0.00120161	Yes	Arhgef25	0.392116	4.74796	3.59796	0.393116	4.74896	3.59458462	0.00018329	Yes
Bbc3	0.91049	0.84574	-0.06475	0.00389531	Yes	Bbc3	28.4042	16.972	-0.74295	28.4052	16.973	-0.7429135	0.0232058	Yes
Bdh1	0.013192	0.16501	0.151818	1.01E-05	Yes	Bdh1	18.0205	36.9252	1.03496	18.0215	36.9262	1.03492571	0.0026435	Yes
Begain	0.10532	0.038154	-0.067166	0.04893199	Yes	Begain	2.71196	0.411217	-2.72137	2.71296	0.412217	-2.7183919	0.00018329	Yes
Cables1	0.026429	0.097069	0.07064	0.00722274	Yes	Cables1	0.0619091	6.55066	6.72534	0.0629091	6.55166	6.70244796	0.00555427	Yes
Cactin	0.87419	0.71707	-0.15712	0.00832699	Yes	Cactin	36.9753	16.3016	-1.18155	36.9763	16.3026	-1.1814988	0.00082046	Yes
Camk2g	0.87935	0.80641	-0.07294	0.01413852	Yes	Camk2g	28.6522	9.80959	-1.54638	28.6532	9.81059	-1.5462845	0.00018329	Yes
Ccno	0.019786	0.092423	0.072637	9.14E-07	Yes	Ccno	0	1.49765	inf	0.001	1.49865	10.5494478	0.00018329	Yes
Cdc20	0.0066202	0.080245	0.0736248	1.26E-05	Yes	Cdc20	0.983414	6.84464	2.7991	0.984414	6.84564	2.79784835	0.00018329	Yes
Crmp1	0.068343	0.014091	-0.054252	0.00142182	Yes	Crmp1	6.51094	2.35181	-1.46909	6.51194	2.35281	-1.4687026	0.00018329	Yes
Csnk1e	0.90734	0.71081	-0.19653	2.88E-06	Yes	Csnk1e	27.7399	16.505	-0.749063	27.7409	16.506	-0.749024	0.00591487	Yes
Cybb	0.026342	0.49792	0.471578	6.50E-07	Yes	Cybb	4.01495	17.3204	2.10902	4.01595	17.3214	2.10874233	0.00018329	Yes
Cyld	0.85303	0.71481	-0.13822	0.00073118	Yes	Cyld	25.7267	6.95177	-1.88781	25.7277	6.95277	-1.8876627	0.00018329	Yes
Cyp11a1	0.67814	0.77802	0.09988	0.01496635	Yes	Cyp11a1	0.0851048	1.68305	4.30569	0.0861048	1.68405	4.2896975	0.0138771	Yes
Dcaf15	0.77084	0.67602	-0.09482	0.03760671	Yes	Dcaf15	37.5211	18.017	-1.05835	37.5221	18.018	-1.0583017	0.00018329	Yes
Dkk3	0.10687	0.16851	0.06164	0.03760671	Yes	Dkk3	0	0.804662	inf	0.001	0.805662	9.6540309	0.00018329	Yes
Dll1	0.029299	0.19868	0.169381	8.06E-06	Yes	Dll1	0.05154	0.784455	3.92793	0.05254	0.785455	3.90204052	0.00354878	Yes
Dnaja2	0.14934	0.054387	-0.094953	0.01178248	Yes	Dnaja2	87.5332	52.8699	-0.727384	87.5342	52.8709	-0.7273729	0.00777671	Yes
Dusp9	0.030419	0.081619	0.0512	0.00275507	Yes	Dusp9	0	3.31016	inf	0.001	3.31116	11.693121	0.00018329	Yes
Ebpl	0.62695	0.17211	-0.45484	4.05E-07	Yes	Ebpl	12.8926	4.88362	-1.40052	12.8936	4.88462	-1.4003369	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Eef1d	0.83923	0.74593	-0.0933	0.00034724	Yes	Eef1d	384.204	259.616	-0.56549	384.205	259.617	-0.5654914	0.0487801	Yes
Eef1g	0.8221	0.39653	-0.42557	6.45E-07	Yes	Eef1g	1526.43	409.312	-1.89889	1526.431	409.313	-1.898886	0.00018329	Yes
Eef2	0.10297	0.032228	-0.070742	0.00017846	Yes	Eef2	1712.25	576.797	-1.56975	1712.251	576.798	-1.5697561	0.00251301	Yes
Egfl7	0.3585	0.50154	0.14304	0.03032002	Yes	EGFL7	0.0972978	5.23368	5.74927	0.0982978	5.23468	5.73479841	0.033148	Yes
Egln3	0.13465	0.31705	0.1824	0.00575049	Yes	Egln3	2.19301	9.67805	2.1418	2.19401	9.67905	2.14129535	0.00018329	Yes
Emid1	0.91191	0.34233	-0.56958	1.74E-11	Yes	Emid1	33.6967	12.3879	-1.44367	33.6977	12.3889	-1.443602	0.00126492	Yes
Eng	0.21201	0.44639	0.23438	1.37E-05	Yes	Eng	0.0832457	10.438	6.97025	0.0842457	10.439	6.95316475	0.00393885	Yes
Epas1	0.070826	0.34402	0.273194	0.00025534	Yes	Epas1	0.34268	16.4208	5.58252	0.34368	16.4218	5.57840256	0.00018329	Yes
Epb41l4b	0.071827	0.20343	0.131603	3.58E-09	Yes	Epb41l4b	0	11.8069	inf	0.001	11.8079	13.5274648	0.00018329	Yes
Epc2	0.14833	0.050394	-0.097936	0.00212541	Yes	Epc2	30.7454	8.85811	-1.7953	30.7464	8.85911	-1.7951838	0.00018329	Yes
Fam101a	0.56307	0.23038	-0.33269	5.90E-05	Yes	Fam101a	16.4423	2.96026	-2.47362	16.4433	2.96126	-2.4732168	0.00018329	Yes
Fam101b	0.28096	0.22958	-0.05138	0.0445679	Yes	Fam101b	48.5934	4.87849	-3.31626	48.5944	4.87949	-3.3159878	0.00018329	Yes
Fam189b	0.42061	0.2046	-0.21601	1.79E-05	Yes	Fam189b	203.279	26.0629	-2.96339	203.28	26.0639	-2.9633434	0.00018329	Yes
Fbxl12	0.083656	0.031627	-0.052029	0.01448681	Yes	Fbxl12	51.8081	18.5444	-1.4822	51.8091	18.5454	-1.4821441	0.00018329	Yes
Fbxo46	0.71703	0.23457	-0.48246	6.09E-10	Yes	Fbxo46	7.16892	3.13529	-1.19316	7.16992	3.13629	-1.1928981	0.00051281	Yes
Flnb	0.23986	0.44106	0.2012	0.00196002	Yes	Flnb	0.149349	18.2657	6.93431	0.150349	18.2667	6.92475694	0.00018329	Yes
Gas6	0.046455	0.23674	0.190285	6.50E-07	Yes	Gas6	0.0683518	289.299	12.0473	0.0693518	289.3	12.0263454	0.0195672	Yes
Gldc	0.026807	0.088522	0.061715	0.00085417	Yes	Gldc	0.151593	10.1324	6.06263	0.152593	10.1334	6.05328572	0.00018329	Yes
Gna15	0.12402	0.47164	0.34762	6.50E-07	Yes	Gna15	4.34103	12.5765	1.53462	4.34203	12.5775	1.53440359	0.00018329	Yes
Gpc1	0.017549	0.11764	0.100091	1.79E-05	Yes	Gpc1	0.132478	4.76808	5.16959	0.133478	4.76908	5.1590371	0.00018329	Yes
Gpr146	0.68435	0.18201	-0.50234	9.79E-07	Yes	Gpr146	6.8851	3.51041	-0.971838	6.8861	3.51141	-0.9716367	0.0166578	Yes
Gpr150	0.20264	0.11518	-0.08746	0.00575049	Yes	Gpr150	3.86906	0.252891	-3.9354	3.87006	0.253891	-3.9300748	0.02885	Yes
Gpr65	0.80025	0.68145	-0.1188	0.00542685	Yes	Gpr65	12.0357	3.62531	-1.73115	12.0367	3.62631	-1.7308657	0.0018326	Yes
Gramd1b	0.00042488	0.079136	0.07871112	3.77E-12	Yes	Gramd1b	5.5919	13.4552	1.26675	5.5929	13.4562	1.26660261	0.00197017	Yes
Grb2	0.64931	0.3786	-0.27071	0.00405617	Yes	Grb2	94.6782	49.3166	-0.94096	94.6792	49.3176	-0.9409449	0.00018329	Yes
Gxylt1	0.7625	0.5086	-0.2539	0.00420619	Yes	Gxylt1	16.2313	9.14244	-0.828127	16.2323	9.14344	-0.8280585	0.0151736	Yes
Hist1h1b	0.014749	0.13592	0.121171	2.75E-06	Yes	Hist1h1b	1.54234	4.08166	1.40404	1.54334	4.08266	1.4034535	0.043182	Yes
Hk1	0.048532	0.12901	0.080478	0.00674226	Yes	Hk1	32.2047	94.365	1.55098	32.2057	94.366	1.5509511	0.00018329	Yes
Hnrnpa3	0.62715	0.44112	-0.18603	0.00098302	Yes	Hnrnpa3	8.36267	2.84526	-1.5554	8.36367	2.84626	-1.5550687	0.00154856	Yes
Hoxa2	0.14312	0.48147	0.33835	1.06E-09	Yes	Hoxa2	0	3.47575	inf	0.001	3.47675	11.7635236	0.00018329	Yes
Hoxc5	0.096595	0.17554	0.078945	0.00768781	Yes	Hoxc5	4.98308	36.5989	2.87669	4.98408	36.5999	2.87644058	0.00018329	Yes
Hoxd3	0.16093	0.43074	0.26981	0.00054569	Yes	Hoxd3	0	16.4132	inf	0.001	16.4142	14.0026568	0.00018329	Yes
Ifi30	0.19197	0.34931	0.15734	0.00080795	Yes	Ifi30	15.3925	111.28	2.85389	15.3935	111.281	2.85381409	0.00018329	Yes
Il27ra	0.80737	0.50128	-0.30609	1.97E-06	Yes	Il27ra	31.7083	3.28007	-3.27307	31.7093	3.28107	-3.2726678	0.00018329	Yes
Inhbb	0.193	0.34813	0.15513	0.01544668	Yes	Inhbb	0	1.99134	inf	0.001	1.99234	10.9602482	0.00018329	Yes
Ino80d	0.93019	0.39063	-0.53956	6.50E-07	Yes	Ino80d	8.23275	2.30695	-1.83539	8.23375	2.30795	-1.8349377	0.018938	Yes
Irf4	0.088628	0.034006	-0.054622	0.00786631	Yes	Irf4	2.27183	0.741356	-1.61562	2.27283	0.742356	-1.6143067	0.00018329	Yes
Irx5	0.010714	0.099477	0.088763	4.45E-07	Yes	Irx5	0	10.159	inf	0.001	10.16	13.3106128	0.00018329	Yes
Itga5	0.0057317	0.058567	0.0528353	4.32E-05	Yes	Itga5	0.0688461	2.2331	5.01953	0.0698461	2.2341	4.99937039	0.00018329	Yes
Kat2a	0.6385	0.47475	-0.16375	0.0279946	Yes	Kat2a	28.6267	15.4862	-0.886384	28.6277	15.4872	-0.8863354	0.00111812	Yes
Kcns3	0.090329	0.17962	0.089291	0.01544668	Yes	Kcns3	0.0491956	4.93675	6.64889	0.0501956	4.93775	6.62014908	0.00197017	Yes
Kdm2a	0.13556	0.073578	-0.061982	1.63E-06	Yes	Kdm2a	46.9197	18.6435	-1.33152	46.9207	18.6445	-1.3314744	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kif3c	0.66932	0.35084	-0.31848	0.0001006	Yes	Kif3c	2.54643	1.29421	-0.976401	2.54743	1.29521	-0.9758565	0.0214018	Yes
Klf13	0.50311	0.31943	-0.18368	0.03521493	Yes	Klf13	48.1007	8.27394	-2.53941	48.1017	8.27494	-2.5392671	0.00018329	Yes
Klhl29	0.072383	0.19442	0.122037	5.69E-12	Yes	Klhl29	0.0467737	1.06697	4.51168	0.0477737	1.06797	4.4825107	0.00035173	Yes
Lats2	0.081005	0.3155	0.234495	6.35E-06	Yes	Lats2	0.0552767	10.8193	7.61272	0.0562767	10.8203	7.58698705	0.00018329	Yes
Lrfn4	0.00058824	0.10963	0.10904176	6.50E-07	Yes	Lrfn4	0.579431	5.55904	3.26213	0.580431	5.56004	3.25989878	0.00238141	Yes
Lrrc8b	0.9941	0.93731	-0.05679	0.00015368	Yes	Lrrc8b	27.7075	4.47848	-2.6292	27.7085	4.47948	-2.6289254	0.00018329	Yes
Map2k6	0.81519	0.73799	-0.0772	0.04680399	Yes	Map2k6	22.0345	7.14377	-1.62501	22.0355	7.14477	-1.6248702	0.00018329	Yes
Map4k2	0.86884	0.24298	-0.62586	6.50E-07	Yes	Map4k2	46.1578	8.83128	-2.38588	46.1588	8.83228	-2.3857479	0.00018329	Yes
Mcm3ap	0.7951	0.63637	-0.15873	0.00674226	Yes	Mcm3ap	14.0592	7.46087	-0.914098	14.0602	7.46187	-0.914008	0.00097029	Yes
Mdk	0.8641	0.51243	-0.35167	4.67E-05	Yes	Mdk	16.6878	9.57191	-0.801916	16.6888	9.57291	-0.8018508	0.0453771	Yes
Meis2	0.04603	0.099802	0.053772	4.56E-07	Yes	Meis2	0	3.74168	inf	0.001	3.74268	11.869856	0.00018329	Yes
Mex3b	0.17701	0.088947	-0.088063	0.0103156	Yes	Mex3b	7.36904	1.78091	-2.04886	7.37004	1.78191	-2.048248	0.00018329	Yes
Mn1	0.83129	0.35992	-0.47137	3.77E-12	Yes	Mn1	1.25248	0.306942	-2.02876	1.25348	0.307942	-2.0252084	0.0181001	Yes
Nckap5l	0.97589	0.73933	-0.23656	2.08E-07	Yes	Nckap5l	6.2675	2.8697	-1.12699	6.2685	2.8707	-1.1267177	0.00018329	Yes
Neil1	0.98654	0.92299	-0.06355	0.00368736	Yes	Neil1	40.1816	11.5365	-1.80033	40.1826	11.5375	-1.8002403	0.00018329	Yes
Nfix	0.058333	0.17781	0.119477	0.00212541	Yes	Nfix	1.11067	16.2819	3.87378	1.11167	16.2829	3.87255718	0.00018329	Yes
Nfkb1	0.11395	0.043418	-0.070532	0.00054569	Yes	Nfkb1	55.1099	24.7036	-1.15759	55.1109	24.7046	-1.157558	0.00018329	Yes
Nlgn3	0.14875	0.05249	-0.09626	4.41E-05	Yes	Nlgn3	1.38055	0.417123	-1.7267	1.38155	0.418123	-1.7242885	0.00066911	Yes
Nr1d1	0.34968	0.63174	0.28206	9.35E-05	Yes	Nr1d1	5.36355	37.1933	2.79378	5.36455	37.1943	2.79355248	0.0016929	Yes
Nr4a2	0.14242	0.26607	0.12365	5.95E-08	Yes	Nr4a2	0.169463	6.05255	5.1585	0.170463	6.05355	5.1502509	0.00018329	Yes
Nt5c3b	0.90491	0.76191	-0.143	0.00095473	Yes	Nt5c3b	32.9999	21.0833	-0.64636	33.0009	21.0843	-0.6463362	0.0227188	Yes
Ntng2	0.72056	0.306	-0.41456	6.98E-06	Yes	Ntng2	53.169	10.0589	-2.40211	53.17	10.0599	-2.4019965	0.00018329	Yes
Orc2	0.8988	0.77973	-0.11907	4.32E-05	Yes	Orc2	24.3136	12.8741	-0.917294	24.3146	12.8751	-0.9172392	0.00082046	Yes
Pced1b	0.76058	0.60813	-0.15245	0.01098497	Yes	Pced1b	50.8105	7.12563	-2.83404	50.8115	7.12663	-2.8338631	0.00018329	Yes
Pde4d	0.37331	0.11984	-0.25347	6.50E-07	Yes	Pde4d	44.5877	4.83552	-3.2049	44.5887	4.83652	-3.2046369	0.00018329	Yes
Pdlim2	0.2963	0.1423	-0.154	0.00275507	Yes	Pdlim2	53.5269	31.4891	-0.765411	53.5279	31.4901	-0.7653927	0.0121287	Yes
Pik3cd	0.87951	0.29022	-0.58929	3.77E-12	Yes	Pik3cd	281.659	31.8695	-3.1437	281.66	31.8705	-3.1436611	0.00822601	Yes
Plcg2	0.0098121	0.074946	0.0651339	2.48E-05	Yes	Plcg2	7.86775	14.1364	0.845389	7.86875	14.1374	0.84531044	0.0327554	Yes
Pou2f2	0.72461	0.40622	-0.31839	0.00034148	Yes	POU2F2	4.37277	1.92398	-1.18445	4.37377	1.92498	-1.1840339	0.00097029	Yes
Ppan	0.81739	0.67826	-0.13913	0.00334228	Yes	Ppan	49.0154	32.9876	-0.57131	49.0164	32.9886	-0.571297	0.0463588	Yes
Ppl	0.034479	0.11706	0.082581	0.00073118	Yes	Ppl	1.51124	16.6475	3.4615	1.51224	16.6485	3.46063317	0.00018329	Yes
Ppp1cc	0.78186	0.66849	-0.11337	0.03171089	Yes	PPP1CC	246.564	119.376	-1.04645	246.565	119.377	-1.0464431	0.00051281	Yes
Psmb10	0.85978	0.20703	-0.65275	6.50E-07	Yes	Psmb10	193.714	86.8014	-1.15814	193.715	86.8024	-1.1581288	0.00018329	Yes
Ptp4a3	0.88753	0.83069	-0.05684	0.00542685	Yes	Ptp4a3	100.35	29.9654	-1.74367	100.351	29.9664	-1.7436373	0.00018329	Yes
Ptprs	0.79117	0.31456	-0.47661	1.69E-06	Yes	Ptprs	23.1403	12.9014	-0.842883	23.1413	12.9024	-0.8428305	0.00445502	Yes
Pwp2	0.38789	0.12697	-0.26092	0.00164763	Yes	Pwp2	16.2585	7.8242	-1.05518	16.2595	7.8252	-1.0550834	0.00018329	Yes
Pwwp2b	0.12964	0.46333	0.33369	7.36E-08	Yes	Pwwp2b	0.0421384	12.9948	8.26858	0.0431384	12.9958	8.23485706	0.00197017	Yes
Pygb	0.01938	0.089008	0.069628	0.00164763	Yes	Pygb	5.63189	19.9732	1.82637	5.63289	19.9742	1.82619052	0.00018329	Yes
Rbm20	0.024586	0.077113	0.052527	0.02535502	Yes	Rbm20	0.206049	1.53737	2.8994	0.207049	1.53837	2.89335839	0.00018329	Yes
Rbm3	0.47793	0.20334	-0.27459	0.00120161	Yes	Rbm3	289.53	100.981	-1.51963	289.531	100.982	-1.5196197	0.00018329	Yes
Rbpjl	0.061079	0.34552	0.284441	6.50E-07	Yes	Rbpjl	1.13546	3.45802	1.60667	1.13646	3.45902	1.60581645	0.00591487	Yes
Rfx3	0.25742	0.068092	-0.189328	0.00054569	Yes	Rfx3	4.54127	1.2595	-1.85024	4.54227	1.2605	-1.8494173	0.00018329	Yes

RRBS						RNAseq								
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Rgl1	0.14992	0.20349	0.05357	0.00070202	Yes	Rgl1	0.0401646	6.38181	7.3119	0.0411646	6.38281	7.27664369	0.00035173	Yes
Rgl3	0.31547	0.49757	0.1821	0.03275343	Yes	Rgl3	0	41.0586	inf	0.001	41.0596	15.325432	0.00018329	Yes
Rpl11	0.77892	0.64722	-0.1317	0.00256829	Yes	Rpl11	4976.95	1549.36	-1.68359	4976.951	1549.361	-1.6835889	0.00018329	Yes
Rpl18a	0.92525	0.65502	-0.27023	7.36E-08	Yes	Rpl18a	7797.16	2593.28	-1.58817	7797.161	2593.281	-1.5881704	0.00018329	Yes
Rpl38	0.49246	0.37942	-0.11304	0.0341213	Yes	Rpl38	6912.7	3422.35	-1.01426	6912.701	3422.351	-1.0142618	0.00111812	Yes
Rpl6	0.9438	0.64625	-0.29755	6.50E-07	Yes	Rpl6	2956.21	778.224	-1.92549	2956.211	778.225	-1.92549	0.00018329	Yes
Rpl7	0.72713	0.56398	-0.16315	0.03032002	Yes	Rpl7	5765.65	1329.66	-2.11643	5765.651	1329.661	-2.116425	0.00018329	Yes
Rplp0	0.74891	0.52228	-0.22663	4.32E-07	Yes	Rplp0	4985.08	1689.42	-1.56109	4985.081	1689.421	-1.5610881	0.00615197	Yes
Rpp14	0.78595	0.69741	-0.08854	0.03032002	Yes	Rpp14	28.9296	13.9304	-1.05431	28.9306	13.9314	-1.054256	0.0261426	Yes
Rps10	0.46951	0.39838	-0.07113	0.00020185	Yes	Rps10	3119.55	966.889	-1.68992	3119.551	966.89	-1.6899147	0.00018329	Yes
Rps29	0.45493	0.36491	-0.09002	1.20E-07	Yes	Rps29	17545.5	5897.06	-1.57303	17545.501	5897.061	-1.5730331	0.00018329	Yes
RT1-T18	0.45738	0.21062	-0.24676	0.00046463	Yes	RT1-T18	19.6697	3.27118	-2.58809	19.6707	3.27218	-2.5877243	0.0100349	Yes
Runx1	0.55618	0.24486	-0.31132	0.00022466	Yes	Runx1	23.5522	6.16284	-1.9342	23.5532	6.16384	-1.9340218	0.00018329	Yes
Runx3	0.64593	0.16659	-0.47934	0.00102242	Yes	Runx3	40.387	15.7817	-1.35564	40.388	15.7827	-1.3555827	0.00018329	Yes
Scrn1	0.19522	0.095591	-0.099629	0.01105145	Yes	Scrn1	16.1412	1.96757	-3.03626	16.1422	1.96857	-3.0356173	0.00018329	Yes
Sec23ip	0.64378	0.4172	-0.22658	0.02160305	Yes	Sec23ip	21.1795	12.2331	-0.791877	21.1805	12.2341	-0.7918287	0.00822601	Yes
Sertad4	0.3572	0.60776	0.25056	0.00120161	Yes	Sertad4	0	1.05896	inf	0.001	1.05996	10.0497941	0.00018329	Yes
Shank2	0.052676	0.24639	0.193714	3.77E-12	Yes	Shank2	0	8.03241	inf	0.001	8.03341	12.9717968	0.00018329	Yes
Slc12a5	0.096981	0.03201	-0.064971	0.00011533	Yes	Slc12a5	2.35156	0.514092	-2.19352	2.35256	0.515092	-2.1913295	0.00035173	Yes
Slc30a3	0.082235	0.18105	0.098815	8.22E-05	Yes	Slc30a3	0	5.14153	inf	0.001	5.14253	12.3282626	0.00018329	Yes
Slc44a2	0.69075	0.22594	-0.46481	1.20E-08	Yes	Slc44a2	204.798	39.0183	-2.39198	204.799	39.0193	-2.3919489	0.00018329	Yes
Slc7a5	0.7482	0.58297	-0.16523	0.02028318	Yes	Slc7a5	7.90447	3.83139	-1.0448	7.90547	3.83239	-1.0446069	0.00140841	Yes
Smim3	0.0016026	0.28217	0.2805674	0.00031102	Yes	Smim3	3.37999	25.5595	2.91877	3.38099	25.5605	2.9183984	0.00788539	Yes
Smurf1	0.85964	0.6325	-0.22714	0.00389531	Yes	Smurf1	11.8525	6.88443	-0.783783	11.8535	6.88543	-0.7836944	0.00494262	Yes
Smyd2	0.78431	0.33976	-0.44455	8.22E-05	Yes	Smyd2	109.397	48.8192	-1.16405	109.398	48.8202	-1.1640363	0.00251301	Yes
Socs3	0.054217	0.36293	0.308713	2.79E-05	Yes	Socs3	28.6764	106.413	1.89174	28.6774	106.414	1.89170183	0.00018329	Yes
Speg	0.19588	0.10526	-0.09062	0.02160305	Yes	Speg	3.11311	0.799533	-1.96113	3.11411	0.800533	-1.9597871	0.0076683	Yes
Sstr3	0.29423	0.13149	-0.16274	0.04893199	Yes	Sstr3	13.6261	3.03989	-2.16428	13.6271	3.04089	-2.163913	0.00018329	Yes
Stx16	0.44208	0.28783	-0.15425	0.0103156	Yes	Stx16	23.8744	14.7408	-0.695651	23.8754	14.7418	-0.6956122	0.0147272	Yes
Syk	0.16773	0.53863	0.3709	3.77E-12	Yes	Syk	2.30621	7.51104	1.70349	2.30721	7.51204	1.70305542	0.00018329	Yes
Sytl3	0.82665	0.44628	-0.38037	8.39E-10	Yes	Sytl3	6.1346	3.56096	-0.784701	6.1356	3.56196	-0.7845331	0.0409149	Yes
Tardbp	0.75377	0.61217	-0.1416	0.01621946	Yes	Tardbp	95.9729	52.2968	-0.875906	95.9739	52.2978	-0.8758919	0.0124598	Yes
Thegl	0.84405	0.37029	-0.47376	6.19E-09	Yes	THEGL	4.52802	1.02505	-2.14318	4.52902	1.02605	-2.1420979	0.00755425	Yes
Tifa	0.020031	0.1302	0.110169	3.15E-05	Yes	Tifa	1.65129	15.4568	3.22658	1.65229	15.4578	3.22579618	0.00018329	Yes
Tnfaip8	0.25217	0.063031	-0.189139	3.77E-12	Yes	Tnfaip8	101.695	50.4107	-1.01245	101.696	50.4117	-1.0124324	0.00035173	Yes
Tox2	0.080832	0.017917	-0.062915	0.00077922	Yes	Tox2	1.08437	0.376479	-1.52621	1.08537	0.377479	-1.5237186	0.0226206	Yes
Tprg1l	0.58043	0.2859	-0.29453	0.03760671	Yes	TPRG1L	131.143	71.5229	-0.874666	131.144	71.5239	-0.8746545	0.00097029	Yes
Trib3	0.86263	0.76168	-0.10095	0.002125	Yes	Trib3	2.47477	0.734356	-1.75275	2.47577	0.735356	-1.7513625	0.00342383	Yes
Ttc22	0.1622	0.32699	0.16479	3.49E-06	Yes	Ttc22	0.522284	3.45675	2.72651	0.523284	3.45775	2.72416751	0.00018329	Yes
Ttf2	0.13582	0.074937	-0.060883	0.03863139	Yes	Ttf2	5.76176	3.36579	-0.775566	5.76276	3.36679	-0.7753862	0.0144181	Yes
Tubb6	0.53439	0.75802	0.22363	0.04893199	Yes	Tubb6	0.0964824	4.76006	5.62457	0.0974824	4.76106	5.60999723	0.00290302	Yes
Tube3p3	0.6949	0.49976	-0.19514	0.0279946	Yes	Tube3p3	16.2329	9.8598	-0.719295	16.2339	9.8608	-0.719233	0.0457543	Yes

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Ubash3b	0.47053	0.28204	-0.18849	0.03275343	Yes	Ubash3b	13.1762	7.2068	-0.870503	13.1772	7.2078	-0.870413	0.0363907	Yes
Wdr4	0.78163	0.6507	-0.13093	0.0023061	Yes	Wdr4	9.65443	5.56601	-0.794549	9.65543	5.56701	-0.7944378	0.0332437	Yes
Zfp148	0.18545	0.07043	-0.11502	0.00489594	Yes	Zfp148	20.455	11.8084	-0.792637	20.456	11.8094	-0.7925884	0.0237237	Yes
Zfp217	0.87993	0.78367	-0.09626	0.01899425	Yes	Zfp217	16.984	7.14839	-1.24849	16.985	7.14939	-1.2483692	0.00018329	Yes
Zfp385a	0.063525	0.23266	0.169135	4.67E-05	Yes	Zfp385a	0.292228	8.65306	4.88804	0.293228	8.65406	4.88328235	0.00018329	Yes
Zfp507	0.85042	0.78389	-0.06653	0.00027275	Yes	Zfp507	7.86584	3.09723	-1.34462	7.86684	3.09823	-1.34434	0.043182	Yes
42795	0.34322	0.10866	-0.23456	4.67E-05	Yes	42795	0.0879147	2.22592	4.66215	0.0889147	2.22692	4.64648397	0.00154856	Yes
Abhd8	0.97167	0.85745	-0.11422	2.88E-07	Yes	Abhd8	6.81468	18.7644	1.46128	6.81568	18.7654	1.46114554	0.00018329	Yes
Abo	0.18865	0.061132	-0.127518	0.00955793	Yes	Abo	0	8.55833	inf	0.001	8.55933	13.0632822	0.00018329	Yes
Acbd4	0.84816	0.48143	-0.36673	2.21E-07	Yes	Acbd4	11.6153	26.191	1.17305	11.6163	26.192	1.17297561	0.00140841	Yes
Acer2	0.22546	0.067154	-0.158306	0.00142182	Yes	Acer2	0.0678496	19.4932	8.16642	0.0688496	19.4942	8.14538096	0.00018329	Yes
Acot12	0.59296	0.26884	-0.32412	2.42E-06	Yes	Acot12	0	1.14338	inf	0.001	1.14438	10.1603505	0.00018329	Yes
Acs1	0.97239	0.78221	-0.19018	1.90E-08	Yes	Acs1	3.10531	34.4924	3.47347	3.10631	34.4934	3.47304662	0.00018329	Yes
Acy3	0.20361	0.081408	-0.122202	0.00489594	Yes	Acy3	0.788878	89.8549	6.83165	0.789878	89.8559	6.82983958	0.00018329	Yes
Adam15	0.68043	0.19049	-0.48994	3.77E-12	Yes	Adam15	0.120009	14.9008	6.9561	0.121009	14.9018	6.94422844	0.00018329	Yes
Agmat	0.61298	0.20499	-0.40799	2.45E-08	Yes	Agmat	0	25.7446	inf	0.001	25.7456	14.6520383	0.0295293	Yes
Ahnak	0.1028	0.016632	-0.086168	0.0001006	Yes	AHNAK	8.82748	22.2528	1.33391	8.82848	22.2538	1.33381473	0.00018329	Yes
Ajuba	0.17183	0.054969	-0.116861	4.46E-06	Yes	Ajuba	0.0231591	21.0441	9.82762	0.0241591	21.0451	9.76670194	0.0496987	Yes
Akap12	0.76546	0.23768	-0.52778	3.20E-09	Yes	Akap12	0.169581	30.9454	7.51161	0.170581	30.9464	7.50317082	0.00018329	Yes
Akna	1.25E-07	0.27148	0.27147988	2.61E-07	Yes	Akna	46.5903	10.0864	-2.20762	46.5913	10.0874	-2.2075062	0.00018329	Yes
Aldoa	0.71758	0.31669	-0.40089	0.00011533	Yes	Aldoa	173.289	959.835	2.4696	173.29	959.836	2.46959952	0.00018329	Yes
Amdhd2	0.13475	0.057256	-0.077494	0.03863139	Yes	Amdhd2	9.46201	31.3996	1.73053	9.46301	31.4006	1.73042107	0.00018329	Yes
Amhr2	0.7376	0.63057	-0.10703	0.02915203	Yes	Amhr2	0.867429	3.07676	1.82659	0.868429	3.07776	1.82540093	0.00303839	Yes
Amigo1	0.34839	0.77324	0.42485	8.08E-07	Yes	Amigo1	11.1321	3.97296	-1.48644	11.1331	3.97396	-1.4862061	0.00018329	Yes
Amotl2	0.15184	0.055463	-0.096377	1.35E-06	Yes	Amotl2	0.125259	57.87	8.85176	0.126259	57.871	8.84031053	0.00018329	Yes
Ampd3	0.7409	0.48393	-0.25697	0.01544668	Yes	Ampd3	1.08363	25.2303	4.54121	1.08463	25.2313	4.53993966	0.00018329	Yes
Amph	0.069858	0.019605	-0.050253	0.00028052	Yes	Amph	0.0121475	6.45761	9.0542	0.0131475	6.45861	8.9402914	0.0253382	Yes
Ank3	0.78404	0.28668	-0.49736	4.18E-09	Yes	Ank3	0.0377666	40.5635	10.0689	0.0387666	40.5645	10.0311878	0.00018329	Yes
Ankrd24	0.9652	0.65171	-0.31349	9.14E-07	Yes	Ankrd24	0.407129	3.36024	3.04501	0.408129	3.36124	3.04189643	0.00018329	Yes
Anxa6	0.0037042	0.2259	0.2221958	3.49E-06	Yes	Anxa6	219.651	98.6702	-1.15453	219.652	98.6712	-1.1545187	0.00018329	Yes
Ap1m2	0.67345	0.24758	-0.42587	1.12E-11	Yes	Ap1m2	0.802449	64.5186	6.32916	0.803449	64.5196	6.32738723	0.00018329	Yes
Apobec3b	0.015983	0.081236	0.065253	0.00077922	Yes	Apobec3b	15.3532	4.834	-1.66725	15.3542	4.835	-1.6670456	0.00018329	Yes
Apoe	0.30779	0.1189	-0.18889	0.00142182	Yes	Apoe	11.4898	523.098	5.50865	11.4908	523.099	5.50853286	0.00018329	Yes
Aqp7	0.80727	0.63002	-0.17725	0.00542685	Yes	Aqp7	0	9.78547	inf	0.001	9.78647	13.2565729	0.00018329	Yes
Arhgap25	0	0.30991	0.30991	2.26E-05	Yes	Arhgap25	42.1027	15.5831	-1.43393	42.1037	15.5841	-1.4338722	0.00018329	Yes
Arhgap8	0.47073	0.24264	-0.22809	0.00010449	Yes	Arhgap8	0	13.6959	inf	0.001	13.6969	13.7415618	0.00018329	Yes
Arhgef15	0.64512	0.30747	-0.33765	0.00021759	Yes	Arhgef15	0.240938	4.41976	4.19723	0.241938	4.42076	4.19158512	0.00018329	Yes
Arhgef3	0.0015663	0.07162	0.0700537	1.41E-11	Yes	Arhgef3	89.4378	23.2558	-1.9433	89.4388	23.2568	-1.9432482	0.00018329	Yes
Arhgef37	0.62479	0.38316	-0.24163	0.00351975	Yes	Arhgef37	0	0.896912	inf	0.001	0.897912	9.81043025	0.00018329	Yes
Arl10	0.088748	0.032788	-0.05596	0.00212541	Yes	ARL10	2.74187	5.69567	1.0547	2.74287	5.69667	1.05443259	0.0031651	Yes
Arl4d	0.36385	0.18907	-0.17478	3.41E-07	Yes	Arl4d	3.86538	71.499	4.20924	3.86638	71.5	4.2088879	0.00018329	Yes
Art4	0.046548	0.32406	0.277512	1.27E-06	Yes	Art4	41.0593	1.66204	-4.62669	41.0603	1.66304	-4.6258494	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Arvcf	0.12888	0.036083	-0.092797	0.00040512	Yes	Arvcf	2.03232	11.271	2.47141	2.03332	11.272	2.47083433	0.00018329	Yes
Asb2	0.72232	0.28605	-0.43627	6.31E-06	Yes	Asb2	1.00945	19.0579	4.23875	1.01045	19.0589	4.23739502	0.00018329	Yes
Atg4d	0.15682	0.039866	-0.116954	0.0445679	Yes	Atg4d	13.2197	35.2817	1.41624	13.2207	35.2827	1.4161624	0.00380824	Yes
Atp2a3	0.0014814	0.076857	0.0753756	4.61E-10	Yes	Atp2a3	101.212	28.971	-1.80471	101.213	28.972	-1.8046634	0.00035173	Yes
Atp5g1	0.29321	0.089633	-0.203577	1.19E-07	Yes	Atp5g1	107.735	689.432	2.67792	107.736	689.433	2.67790995	0.00018329	Yes
Auh	0.8261	0.68941	-0.13669	0.00100996	Yes	AUH	24.5855	65.4302	1.41215	24.5865	65.4312	1.41211235	0.00018329	Yes
B3gnt7	0.4535	0.26127	-0.19223	0.00542685	Yes	B3gnt7	0.846211	8.38751	3.30915	0.847211	8.38851	3.30762135	0.00018329	Yes
Bai1	0.86475	0.79193	-0.07282	0.00575049	Yes	Bai1	0	4.97777	inf	0.001	4.97877	12.2815737	0.00018329	Yes
Bcat1	0.60405	0.34622	-0.25783	7.11E-05	Yes	Bcat1	1.90074	5.48897	1.52997	1.90174	5.48997	1.52947825	0.00018329	Yes
Bcat2	0.47892	0.25946	-0.21946	0.01448681	Yes	Bcat2	17.2514	61.1383	1.82536	17.2524	61.1393	1.82530296	0.00018329	Yes
Bcl3	0.13873	0.067084	-0.071646	1.71E-05	Yes	Bcl3	3.6322	12.4972	1.78268	3.6332	12.4982	1.78240764	0.00018329	Yes
Bhmt	0.90245	0.51872	-0.38373	1.74E-11	Yes	Bhmt	0.437048	16.8519	5.26898	0.438048	16.8529	5.26576409	0.00018329	Yes
Bhmt2	0.63767	0.31119	-0.32648	8.08E-07	Yes	Bhmt2	0	48.0462	inf	0.001	48.0472	15.5521647	0.00018329	Yes
Bmp3	0.10125	0.038118	-0.063132	0.0006534	Yes	Bmp3	0	1.87728	inf	0.001	1.87828	10.8751964	0.00018329	Yes
Bmp4	0.078166	0.0092249	-0.0689411	0.00722274	Yes	Bmp4	0.292601	33.6323	6.84477	0.293601	33.6333	6.83988965	0.00018329	Yes
Bsdc1	0.49127	0.14736	-0.34391	0.0023061	Yes	Bsdc1	7.58979	15.1007	0.992487	7.59079	15.1017	0.99238902	0.00066911	Yes
Btbd3	0.70991	0.15622	-0.55369	1.97E-06	Yes	Btbd3	0.906306	4.69273	2.37236	0.907306	4.69373	2.37107375	0.00018329	Yes
C1qtnf2	0.44682	0.18859	-0.25823	0.00455632	Yes	C1qtnf2	0	1.32507	inf	0.001	1.32607	10.3729412	0.00018329	Yes
C1qtnf3	0.68301	0.17385	-0.50916	7.48E-05	Yes	C1qtnf3	0	3.14239	inf	0.001	3.14339	11.6181056	0.00018329	Yes
C1r	0.49053	0.23409	-0.25644	0.01098497	Yes	C1r	0.240286	5.90288	4.6186	0.241286	5.90388	4.61284728	0.00018329	Yes
Cabp1	0.78161	0.6808	-0.10081	0.0279946	Yes	Cabp1	0.738427	86.4774	6.87173	0.739427	86.4784	6.8697883	0.00018329	Yes
Cacna2d3	0.083383	0.024478	-0.058905	0.00025534	Yes	Cacna2d3	0	0.665089	inf	0.001	0.666089	9.37957115	0.00018329	Yes
Camk2n1	0.35476	0.18556	-0.1692	0.01105145	Yes	Camk2n1	1.89618	131.548	6.11635	1.89718	131.549	6.11559991	0.00018329	Yes
Camk2n2	0.24997	0.13209	-0.11788	0.00120161	Yes	Camk2n2	0	0.851501	inf	0.001	0.852501	9.73555772	0.00698138	Yes
Cap2	0.10371	0.038852	-0.064858	4.67E-05	Yes	Cap2	0	0.648026	inf	0.001	0.649026	9.34213246	0.00018329	Yes
Capn2	0.10189	0.033128	-0.068762	0.00405617	Yes	Capn2	28.3563	58.8089	1.05236	28.3573	58.8099	1.05233886	0.00018329	Yes
Car13	0.56298	0.34636	-0.21662	0.00722274	Yes	Car13	0	0.626612	inf	0.001	0.627612	9.29372913	0.00018329	Yes
Car4	0.091835	0.031692	-0.060143	0.00012321	Yes	Car4	0	130.634	inf	0.001	130.635	16.995182	0.00018329	Yes
Card10	0.89113	0.35024	-0.54089	6.50E-07	Yes	Card10	0.0283487	22.2583	9.61685	0.0293487	22.2593	9.56689591	0.0318913	Yes
Casr	0.18297	0.063879	-0.119091	4.45E-05	Yes	Casr	0	34.9119	inf	0.001	34.9129	15.0914726	0.00018329	Yes
Cbr1	0.097861	0.04254	-0.055321	0.03275343	Yes	CBR1	9.65513	28.144	1.54346	9.65613	28.145	1.54336164	0.00018329	Yes
Cbx2	0	0.10522	0.10522	2.26E-05	Yes	Cbx2	18.8476	2.54047	-2.89121	18.8486	2.54147	-2.8907223	0.00018329	Yes
Ccbl1	0.7742	0.67565	-0.09855	0.00037654	Yes	Ccbl1	31.1029	76.6944	1.30207	31.1039	76.6954	1.30204457	0.00018329	Yes
Ccbl2	0.26681	0.10363	-0.16318	0.00092821	Yes	Ccbl2	4.73628	10.3488	1.12763	4.73728	10.3498	1.12747204	0.0112711	Yes
Ccdc64b	0.13387	0.047166	-0.086704	0.00196002	Yes	Ccdc64b	0.414926	8.22603	4.30927	0.415926	8.22703	4.30597293	0.00018329	Yes
Cd151	0.80386	0.28467	-0.51919	3.77E-12	Yes	Cd151	0.811067	3.43904	2.08411	0.812067	3.44004	2.08275467	0.00018329	Yes
Cd37	0.029939	0.44173	0.411791	3.06E-06	Yes	Cd37	434.289	93.3096	-2.21856	434.29	93.3106	-2.2185458	0.00018329	Yes
Cd38	0	0.071035	0.071035	5.06E-06	Yes	Cd38	77.7903	10.1686	-2.93548	77.7913	10.1696	-2.9353459	0.00018329	Yes
Cd8a	0.42464	0.6419	0.21726	1.37E-05	Yes	Cd8a	485.623	124.173	-1.96749	485.624	124.174	-1.9674766	0.00018329	Yes
Cdc42bpb	0.1516	0.035455	-0.116145	0.0017951	Yes	Cdc42bpb	0.0231681	14.1249	9.25189	0.0241681	14.1259	9.19102301	0.0116961	Yes
Cdc42ep5	0.76821	0.2529	-0.51531	6.36E-08	Yes	Cdc42ep5	0.758962	9.62948	3.66536	0.759962	9.63048	3.66360852	0.0101506	Yes
Cdcp1	0.62792	0.40697	-0.22095	0.01575704	Yes	Cdcp1	0	4.72456	inf	0.001	4.72556	12.2062696	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cdh3	0.51033	0.21915	-0.29118	0.00028052	Yes	Cdh3	0	11.2517	inf	0.001	11.2527	13.4579836	0.00018329	Yes
Cdk18	0.93335	0.8614	-0.07195	0.0279946	Yes	Cdk18	0	9.06995	inf	0.001	9.07095	13.1470379	0.00018329	Yes
Cdkn1c	0.20088	0.086989	-0.113891	0.03521493	Yes	Cdkn1c	0.827035	4.85329	2.55294	0.828035	4.85429	2.55149664	0.00018329	Yes
Cebpb	0.24623	0.11481	-0.13142	0.03275343	Yes	Cebpb	8.43803	170.923	4.34029	8.43903	170.924	4.34013399	0.00018329	Yes
Cep112	0.34281	0.10054	-0.24227	0.00275507	Yes	Cep112	0.323946	1.75586	2.43835	0.324946	1.75686	2.43472734	0.0182096	Yes
Cfd	0.37497	0.11548	-0.25949	0.00455632	Yes	Cfd	0.177143	8.94834	5.65863	0.178143	8.94934	5.65067359	0.0350954	Yes
Chmp4bl1	0.36256	0.41567	0.05311	0.02915203	Yes	Chmp4bl1	212.983	138.178	-0.624216	212.984	138.179	-0.6242067	0.0198773	Yes
Ckap4	0.82418	0.53885	-0.28533	1.37E-05	Yes	Ckap4	1.44993	14.6802	3.33981	1.45093	14.6812	3.33892007	0.00018329	Yes
Ckb	0.53632	0.3249	-0.21142	0.00955793	Yes	Ckb	3.6868	339.967	6.52688	3.6878	339.968	6.52649473	0.00018329	Yes
Ckmt1b	0.133	0.051073	-0.081927	0.00722274	Yes	Ckmt1b	0	150.157	inf	0.001	150.158	17.1961218	0.00018329	Yes
Cldn19	0.67468	0.46424	-0.21044	0.01265586	Yes	Cldn19	0	181.616	inf	0.001	181.617	17.4705397	0.00018329	Yes
Cldn4	0.45812	0.20871	-0.24941	3.77E-12	Yes	Cldn4	0.0986709	109.727	10.119	0.0996709	109.728	10.1044717	0.0112711	Yes
Clec14a	0.16756	0.07217	-0.09539	0.00894698	Yes	Clec14a	0	0.871354	inf	0.001	0.872354	9.76876989	0.00018329	Yes
Cmb1	0.57942	0.19833	-0.38109	0.00012584	Yes	Cmb1	0.828352	40.3014	5.60444	0.829352	40.3024	5.60273739	0.00018329	Yes
Cndp2	0.11353	0.052051	-0.061479	0.00722274	Yes	Cndp2	15.825	129.2	3.02933	15.826	129.201	3.02924867	0.00018329	Yes
Cnm2	0.68384	0.3676	-0.31624	3.91E-05	Yes	Cnm2	0.386062	7.2434	4.22976	0.387062	7.2444	4.22622962	0.00018329	Yes
Col15a1	0.1717	0.078863	-0.092837	0.01265586	Yes	COL15A1	0.0328598	1.71903	5.70913	0.0338598	1.72003	5.66671647	0.0018326	Yes
Col18a1	0.10346	0.037639	-0.065821	0.00955793	Yes	Col18a1	0.0426167	97.8604	11.1651	0.0436167	97.8614	11.1316436	0.00018329	Yes
Col27a1	0.39289	0.11633	-0.27656	0.00120161	Yes	Col27a1	0.331849	25.1039	6.24124	0.332849	25.1049	6.23695733	0.00018329	Yes
Coq2	0.13878	0.074162	-0.064618	0.0023061	Yes	Coq2	9.00637	22.2558	1.30516	9.00737	22.2568	1.30506835	0.00018329	Yes
Coro6	0.11316	0.037008	-0.076152	3.76E-05	Yes	Coro6	0.478624	10.3973	4.44117	0.479624	10.3983	4.43830002	0.00018329	Yes
Cplx2	0.17685	0.083333	-0.093517	0.03521493	Yes	Cplx2	0	2.43114	inf	0.001	2.43214	11.2480106	0.00018329	Yes
Cpt1b	0.89484	0.49333	-0.40151	3.78E-12	Yes	Cpt1b	1.9126	16.9566	3.14824	1.9136	16.9576	3.1475708	0.00018329	Yes
Crb3	0.10065	0.036897	-0.063753	0.00275507	Yes	Crb3	0.287933	38.2507	7.05361	0.288933	38.2517	7.04864507	0.00018329	Yes
Crip1	0.053387	0.33964	0.286253	2.97E-11	Yes	Crip1	754.786	408.728	-0.884929	754.787	408.729	-0.884925	0.00290302	Yes
Crip2	0.46703	0.28152	-0.18551	0.0031273	Yes	Crip2	1.08699	183.003	7.39539	1.08799	183.004	7.39406608	0.00018329	Yes
Csad	0.86727	0.75259	-0.11468	1.26E-05	Yes	Csad	6.4419	24.6525	1.93618	6.4429	24.6535	1.93601037	0.0142025	Yes
Ctbp2	0.82603	0.71033	-0.1157	0.00068356	Yes	Ctbp2	0.416997	29.7567	6.15703	0.417997	29.7577	6.15362663	0.00018329	Yes
Ctgf	0.42498	0.16262	-0.26236	0.00011533	Yes	Ctgf	0	29.6597	inf	0.001	29.6607	14.856265	0.00018329	Yes
Ctrc	0.82947	0.68518	-0.14429	0.01137984	Yes	Ctrc	1.19325	4.41029	1.88598	1.19425	4.41129	1.88509573	0.00650199	Yes
Cuedc1	0.88224	0.69844	-0.1838	7.11E-08	Yes	Cuedc1	0.374172	8.29977	4.4713	0.375172	8.30077	4.46762111	0.0259489	Yes
Cwh43	0.12744	0.037793	-0.089647	4.72E-06	Yes	Cwh43	0.158756	23.7543	7.22523	0.159756	23.7553	7.2162355	0.00018329	Yes
Cx3cl1	0.75606	0.24299	-0.51307	3.20E-09	Yes	Cx3cl1	0	28.0312	inf	0.001	28.0322	14.7747974	0.00018329	Yes
Cxxc5	0.91096	0.79125	-0.11971	0.00021046	Yes	CXXC5	21.5474	77.2102	1.84127	21.5484	77.2112	1.84122938	0.00018329	Yes
Cyp24a1	0.077411	0.021702	-0.055709	0.0279946	Yes	Cyp24a1	0	4.52828	inf	0.001	4.52928	12.145066	0.00018329	Yes
Cyp7b1	0.12916	0.03567	-0.09349	0.00028052	Yes	Cyp7b1	0.111152	2.36283	4.40991	0.112152	2.36383	4.39759903	0.0116961	Yes
Dab2ip	0.72008	0.47525	-0.24483	0.0031273	Yes	Dab2ip	0.0768819	11.653	7.24385	0.0778819	11.654	7.22532142	0.00018329	Yes
Dao	0.93356	0.37223	-0.56133	2.68E-10	Yes	Dao	0	156.364	inf	0.001	156.365	17.2545581	0.00018329	Yes
Dapk1	0.77433	0.60546	-0.16887	0.01621946	Yes	Dapk1	2.56167	12.6817	2.30759	2.56267	12.6827	2.30714229	0.00018329	Yes
Dapp1	0.064087	0.52746	0.463373	8.08E-07	Yes	Dapp1	15.3642	4.59703	-1.7408	15.3652	4.59803	-1.7405788	0.00018329	Yes
Dcxr	0.81018	0.28208	-0.5281	3.01E-07	Yes	Dcxr	12.2443	121.018	3.30504	12.2453	121.019	3.30493354	0.00018329	Yes
Ddah2	0.76163	0.36813	-0.3935	3.77E-12	Yes	Ddah2	0.419714	115.399	8.103	0.420714	115.4	8.09958768	0.00082046	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ddr1	0.69455	0.18586	-0.50869	0.00017122	Yes	Ddr1	0.0280151	31.9213	10.1541	0.0290151	31.9223	10.103545	0.00018329	Yes
Ddx6	0.19567	0.2681	0.07243	0.00012584	Yes	Ddx6	70.4191	18.7345	-1.91027	70.4201	18.7355	-1.9102128	0.00018329	Yes
Depdc7	0.84065	0.38305	-0.4576	9.14E-07	Yes	Depdc7	0.110953	4.44316	5.32357	0.111953	4.44416	5.31094566	0.00051281	Yes
Des	0.10954	0.056036	-0.053504	1.63E-06	Yes	Des	0	2.71657	inf	0.001	2.71757	11.4081015	0.00018329	Yes
Dgat1	0.079337	0.02348	-0.055857	0.00046463	Yes	Dgat1	2.54795	12.6531	2.31208	2.54895	12.6541	2.31162992	0.00018329	Yes
Dhcr24	0.25088	0.093687	-0.157193	1.11E-07	Yes	Dhcr24	10.3913	38.1944	1.87798	10.3923	38.1954	1.87788392	0.00018329	Yes
Dlg3	0.29842	0.16547	-0.13295	0.00368736	Yes	Dlg3	3.63324	13.3208	1.87435	3.63424	13.3218	1.87406343	0.00419853	Yes
Dnmt3a	0.0085349	0.32118	0.3126451	6.50E-07	Yes	Dnmt3a	16.6685	5.67031	-1.55563	16.6695	5.67131	-1.5554569	0.00018329	Yes
Dock1	0.11954	0.028387	-0.091153	0.00722274	Yes	Dock1	0.176256	32.4628	7.52497	0.177256	32.4638	7.51685361	0.00018329	Yes
Dok2	0.19049	0.61407	0.42358	1.07E-11	Yes	Dok2	105.967	19.5296	-2.43988	105.968	19.5306	-2.4398205	0.00018329	Yes
Dok3	0.76144	0.49622	-0.26522	0.00832699	Yes	Dok3	3.85457	12.1457	1.6558	3.85557	12.1467	1.65554835	0.00018329	Yes
Dolk	0.18064	0.075515	-0.105125	0.00275507	Yes	Dolk	1.81732	12.6121	2.79492	1.81832	12.6131	2.79424488	0.00018329	Yes
Dpys	0.43118	0.22559	-0.20559	0.00368736	Yes	Dpys	0	12.4943	inf	0.001	12.4953	13.6090979	0.00018329	Yes
Dtnb	0.18056	0.0676	-0.11296	0.0031273	Yes	Dtnb	16.058	42.9098	1.41801	16.059	42.9108	1.41795874	0.00035173	Yes
Duoxa1	0.20949	0.090474	-0.119016	0.03760671	Yes	Duoxa1	0	11.2651	inf	0.001	11.2661	13.4597006	0.00018329	Yes
Dyrk2	0.055627	0.4051	0.349473	1.40E-10	Yes	Dyrk2	88.9248	9.97185	-3.15665	88.9258	9.97285	-3.1565243	0.00018329	Yes
Edn3	0.19394	0.1147	-0.07924	0.0445679	Yes	Edn3	0	1.34291	inf	0.001	1.34391	10.3922208	0.00018329	Yes
Efemp2	0.6771	0.47073	-0.20637	0.0279946	Yes	EFEMP2	1.64492	11.3475	2.78628	1.64592	11.3485	2.7855355	0.00018329	Yes
Efna1	0.55554	0.19573	-0.35981	7.28E-07	Yes	Efna1	0.140591	22.155	7.29998	0.141591	22.156	7.28982407	0.00018329	Yes
Efs	0.25126	0.12893	-0.12233	0.00030067	Yes	Efs	0	2.36214	inf	0.001	2.36314	11.2064894	0.00018329	Yes
Egfl8	0.7636	0.2688	-0.4948	0.00049132	Yes	Egfl8	9.68871	53.5557	2.46666	9.68971	53.5567	2.46654168	0.0450989	Yes
Egr1	0.70362	0.19403	-0.50959	1.95E-09	Yes	Egr1	1.09398	113.963	6.70284	1.09498	113.964	6.70152984	0.00018329	Yes
Ehd3	0.019538	0.12791	0.108372	0.00275507	Yes	Ehd3	73.9552	11.8374	-2.6433	73.9562	11.8384	-2.643197	0.00018329	Yes
Ehf	0.55487	0.35225	-0.20262	0.04893199	Yes	Ehf	0	20.6616	inf	0.001	20.6626	14.3347342	0.00018329	Yes
Emb	0.3811	0.21507	-0.16603	0.02160305	Yes	Emb	1.85211	76.4623	5.3675	1.85311	76.4633	5.36674704	0.00018329	Yes
Emx2	0.13578	0.036485	-0.099295	0.01761018	Yes	Emx2	0	11.8076	inf	0.001	11.8086	13.5275503	0.00018329	Yes
Enpep	0.84796	0.27171	-0.57625	6.50E-07	Yes	Enpep	0	32.0696	inf	0.001	32.0706	14.9689637	0.00018329	Yes
Epcam	0.81304	0.28985	-0.52319	8.06E-06	Yes	Epcam	0.189034	672.906	11.7975	0.190034	672.907	11.7899339	0.00035173	Yes
Ephb2	0.83568	0.70642	-0.12926	1.07E-05	Yes	Ephb2	0.0428654	4.72812	6.78531	0.0438654	4.72912	6.75234452	0.0063852	Yes
Epn2	0.15421	0.069617	-0.084593	0.00031102	Yes	Epn2	0.180198	10.3226	5.84008	0.181198	10.3236	5.83223531	0.00018329	Yes
Epsti1	0.038026	0.50167	0.463644	6.50E-07	Yes	Epsti1	76.0096	10.6382	-2.83692	76.0106	10.6392	-2.8368109	0.00018329	Yes
Esam	0.18454	0.083415	-0.101125	0.00625768	Yes	Esam	0.070175	61.2768	9.77017	0.071175	61.2778	9.7497782	0.00018329	Yes
Esm1	0.76396	0.51197	-0.25199	9.20E-07	Yes	Esm1	0	2.72307	inf	0.001	2.72407	11.4115481	0.00018329	Yes
Espn	0.48536	0.19142	-0.29394	2.79E-05	Yes	Espn	0.036347	26.1484	9.49067	0.037347	26.1494	9.45156977	0.0247294	Yes
Esrrg	0.77326	0.29478	-0.47848	1.17E-05	Yes	Esrrg	0	74.4508	inf	0.001	74.4518	16.1840191	0.00018329	Yes
Ethe1	0.95778	0.34642	-0.61136	6.50E-07	Yes	Ethe1	7.39626	98.8663	3.74061	7.39726	98.8673	3.74043054	0.00018329	Yes
Etv3	0.2114	0.66293	0.45153	6.50E-07	Yes	Etv3	25.6815	5.955	-2.10856	25.6825	5.956	-2.10837	0.00018329	Yes
Eva1b	0.83849	0.42822	-0.41027	3.77E-12	Yes	Eva1b	26.5057	51.7609	0.965558	26.5067	51.7619	0.9655335	0.00354878	Yes
Evc2	0.15779	0.022527	-0.135263	0.00405617	Yes	Evc2	0	3.33816	inf	0.001	3.33916	11.7052695	0.00018329	Yes
F2r	0.96756	0.89708	-0.07048	0.00420619	Yes	F2r	3.57372	25.1092	2.81271	3.57472	25.1102	2.81237137	0.00018329	Yes
F2rl1	0.112	0.035944	-0.076056	3.91E-05	Yes	F2rl1	0.15027	11.8081	6.29608	0.15127	11.8091	6.28662931	0.00018329	Yes
Fam110a	0.72786	0.60165	-0.12621	0.03760671	Yes	Fam110a	2.54065	9.06337	1.83485	2.54165	9.06437	1.83444138	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fam110c	0.38316	0.14086	-0.2423	2.48E-05	Yes	Fam110c	0	1.64123	inf	0.001	1.64223	10.6814405	0.00018329	Yes
Fam129b	0.34323	0.15498	-0.18825	0.00049132	Yes	Fam129b	1.55319	22.3484	3.84686	1.55419	22.3494	3.84600131	0.00018329	Yes
Fam19a5	0.1717	0.08419	-0.08751	0.00542685	Yes	Fam19a5	0	5.00508	inf	0.001	5.00608	12.2894656	0.00018329	Yes
Fam217a	0.32702	0.15374	-0.17328	5.02E-08	Yes	FAM217A	0.124873	0.751576	2.58945	0.125873	0.752576	2.57986843	0.0086849	Yes
Fam43a	0.53405	0.18515	-0.3489	2.49E-10	Yes	Fam43a	0.875029	33.4273	5.25555	0.876029	33.4283	5.25394755	0.00018329	Yes
Fam69b	0.57193	0.35731	-0.21462	0.00095473	Yes	Fam69b	0.350893	5.41784	3.94861	0.351893	5.41884	3.94477533	0.00018329	Yes
Fam83f	0.38133	0.17385	-0.20748	2.61E-07	Yes	Fam83f	0.0428193	6.63756	7.27625	0.0438193	6.63856	7.24316009	0.00277264	Yes
Fam83h	0.26167	0.045249	-0.216421	9.79E-07	Yes	Fam83h	0.330722	7.07802	4.41966	0.331722	7.07902	4.41550305	0.00018329	Yes
Fam84a	0.10343	0.040799	-0.062631	7.19E-07	Yes	Fam84a	0	16.7974	inf	0.001	16.7984	14.0360362	0.00018329	Yes
Fancd2os	0.91087	0.36484	-0.54603	3.77E-12	Yes	Fancd2os	0.00895631	4.67275	9.02715	0.00995631	4.67375	8.8747537	0.0311417	Yes
Fcgr3a	0.84455	0.68907	-0.15548	0.00026585	Yes	Fcgr3a	0.48792	23.88	5.61301	0.48892	23.881	5.61012102	0.00445502	Yes
Fermt2	0.10107	0.035547	-0.065523	0.00092821	Yes	Fermt2	0.995442	31.4815	4.98302	0.996442	31.4825	4.98162047	0.00018329	Yes
Fgd3	0.0067205	0.50034	0.4936195	3.77E-12	Yes	Fgd3	34.6155	10.7735	-1.68393	34.6165	10.7745	-1.6838389	0.00018329	Yes
Fgr	0.35014	0.12524	-0.2249	0.00012962	Yes	Fgr	1.49562	11.8174	2.9821	1.49662	11.8184	2.98125487	0.00018329	Yes
Fhdc1	0.19281	0.10292	-0.08989	0.03760671	Yes	Fhdc1	1.3927	3.57477	1.35996	1.3937	3.57577	1.35933389	0.00018329	Yes
Fn1	0.56975	0.38457	-0.18518	0.01265586	Yes	FN1	2.46158	11.5031	2.22437	2.46258	11.5041	2.22390562	0.00018329	Yes
Fn3k	0.93376	0.37022	-0.56354	6.50E-07	Yes	Fn3k	0	14.2706	inf	0.001	14.2716	13.8008595	0.00018329	Yes
Fn3krp	0.10608	0.035275	-0.070805	0.00152471	Yes	Fn3krp	4.07621	11.6515	1.51521	4.07721	11.6525	1.51498534	0.00018329	Yes
Fnbp1l	0.9273	0.40784	-0.51946	5.02E-08	Yes	Fnbp1l	0.645549	19.464	4.91414	0.646549	19.465	4.91197882	0.00018329	Yes
Foxe1	0.12169	0.064045	-0.057645	2.03E-05	Yes	Foxe1	0	0.958593	inf	0.001	0.959593	9.90627882	0.00018329	Yes
Foxi1	0.73179	0.58016	-0.15163	0.03760671	Yes	Foxi1	0.0444429	2.54214	5.83794	0.0454429	2.54314	5.80641217	0.00419853	Yes
Foxo3	0.074851	0.25582	0.180969	0.00017122	Yes	Foxo3	23.876	14.1946	-0.750217	23.877	14.1956	-0.7501778	0.00948282	Yes
Ftl1	0.66131	0.61105	-0.05026	0.0279946	Yes	FTL1	337.663	1747.85	2.37192	337.664	1747.851	2.37192192	0.00018329	Yes
Fxyd1	0.94226	0.56764	-0.37462	6.50E-07	Yes	Fxyd1	0	16.5828	inf	0.001	16.5838	14.017487	0.00018329	Yes
Fxyd2	0.83399	0.57339	-0.2606	8.22E-05	Yes	FXYD2	0.964638	2473.33	11.3242	0.965638	2473.331	11.3226853	0.00018329	Yes
Fxyd3	0.89091	0.58531	-0.3056	0.00054569	Yes	Fxyd3	0.334278	51.7048	7.27311	0.335278	51.7058	7.26882449	0.0257522	Yes
Gadd45b	0.49851	0.25168	-0.24683	0.00015368	Yes	Gadd45b	1.89774	63.0169	5.05339	1.89874	63.0179	5.05264741	0.00018329	Yes
Galnt14	0.13418	0.061376	-0.072804	0.03032002	Yes	Galnt14	0	8.35632	inf	0.001	8.35732	13.0288247	0.00018329	Yes
Gapdh	0.4571	0.10329	-0.35381	5.59E-07	Yes	Gapdh	411.31	1110.81	1.43332	411.311	1110.811	1.43331181	0.00018329	Yes
Gas2l1	0.82387	0.67159	-0.15228	2.34E-07	Yes	Gas2l1	0.344132	12.0465	5.12951	0.345132	12.0475	5.12544175	0.00018329	Yes
Gas8	0.21036	0.070494	-0.139866	0.00351975	Yes	Gas8	0.671509	4.53281	2.75493	0.672509	4.53381	2.75309845	0.00277264	Yes
Gata3	0.0012842	0.11234	0.1110558	3.77E-12	Yes	Gata3	57.8156	26.2464	-1.13934	57.8166	26.2474	-1.1393093	0.00018329	Yes
Gatsl3	0.14661	0.03726	-0.10935	0.00489594	Yes	Gatsl3	10.4555	28.5929	1.4514	10.4565	28.5939	1.45130737	0.00018329	Yes
Gipc1	0.69352	0.57704	-0.11648	0.00529214	Yes	Gipc1	21.8441	50.0489	1.19609	21.8451	50.0499	1.19605748	0.00018329	Yes
Gjb3	0.98357	0.91787	-0.0657	0.00022961	Yes	Gjb3	0	1.01345	inf	0.001	1.01445	9.98648204	0.00018329	Yes
Glis2	0.65627	0.16167	-0.4946	0.00102242	Yes	Glis2	0.138639	41.2481	8.21685	0.139639	41.2491	8.2065169	0.00035173	Yes
Gpc3	0.11237	0.043211	-0.069159	0.01761018	Yes	Gpc3	0	102.423	inf	0.001	102.424	16.6441943	0.00018329	Yes
Gpd1	0.40254	0.15566	-0.24688	3.06E-06	Yes	Gpd1	0.173816	22.234	6.99907	0.174816	22.235	6.99085136	0.00018329	Yes
Gpr137	0.15896	0.036569	-0.122391	1.79E-05	Yes	Gpr137	2.75307	20.663	2.90794	2.75407	20.664	2.90748241	0.00018329	Yes
Gpr176	0.29932	0.16162	-0.1377	0.02284827	Yes	Gpr176	0.0547145	2.33017	5.41237	0.0557145	2.33117	5.38685756	0.00035173	Yes
Gpr27	0.17191	0.098759	-0.073151	0.02412126	Yes	Gpr27	0	1.04896	inf	0.001	1.04996	10.0361187	0.00018329	Yes
Gprc5a	0.3603	0.16296	-0.19734	7.48E-05	Yes	Gprc5a	0.0498675	18.1228	8.50549	0.0508675	18.1238	8.47692557	0.0258543	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Grap2	0	0.65095	0.65095	1.74E-11	Yes	Grap2	85.2707	5.03429	-4.08219	85.2717	5.03529	-4.0819202	0.00018329	Yes
Grb10	0.67155	0.49315	-0.1784	0.03275343	Yes	Grb10	0.0109565	3.49688	8.31814	0.0119565	3.49788	8.19254185	0.00481718	Yes
Grk5	0.18922	0.084698	-0.104522	0.02915203	Yes	Grk5	1.90373	5.56765	1.54824	1.90473	5.56865	1.54774111	0.00018329	Yes
Gtpbp3	0.81571	0.72531	-0.0904	0.00108973	Yes	Gtpbp3	2.48364	5.50314	1.1478	2.48464	5.50414	1.14748033	0.00406781	Yes
Gypc	0.028946	0.51108	0.482134	9.14E-07	Yes	Gypc	9.49927	4.63324	-1.03579	9.50027	4.63424	-1.0356358	0.00238141	Yes
H1f0	0.40339	0.25263	-0.15076	0.02915203	Yes	H1f0	13.5073	135.121	3.32244	13.5083	135.122	3.32234456	0.00018329	Yes
Habp4	0.49289	0.19207	-0.30082	0.0019357	Yes	Habp4	6.93702	13.3246	0.941699	6.93802	13.3256	0.94160459	0.00788539	Yes
Hcst	0.025893	0.43856	0.412667	6.50E-07	Yes	Hcst	309.653	81.4732	-1.92625	309.654	81.4742	-1.9262419	0.00018329	Yes
Hes6	0.58345	0.38901	-0.19444	0.00125283	Yes	Hes6	25.3334	60.9629	1.26689	25.3344	60.9639	1.26685754	0.00018329	Yes
Hid1	0.29022	0.15489	-0.13533	0.00832699	Yes	Hid1	0.0864962	9.75698	6.81765	0.0874962	9.75798	6.80121835	0.00018329	Yes
Hlx	0.19117	0.076563	-0.114607	3.41E-07	Yes	Hlx	0.148365	2.61499	4.13959	0.149365	2.61599	4.13044299	0.00082046	Yes
Hmg20b	0.73353	0.40364	-0.32989	0.00152471	Yes	Hmg20b	14.7452	48.8141	1.72705	14.7462	48.8151	1.72698426	0.00018329	Yes
Hnf1a	0.82509	0.2244	-0.60069	1.08E-09	Yes	Hnf1a	2.71454	6.27612	1.20916	2.71554	6.27712	1.20886367	0.00018329	Yes
Hnf1b	0.14557	0.046159	-0.099411	0.01105145	Yes	Hnf1b	0	164.741	inf	0.001	164.742	17.3298489	0.00018329	Yes
Hnf4a	0.80737	0.42492	-0.38245	1.67E-07	Yes	Hnf4a	0	105.595	inf	0.001	105.596	16.6881957	0.00018329	Yes
Hoxa6	0.45712	0.16338	-0.29374	3.29E-08	Yes	HOXA6	0	10.6815	inf	0.001	10.6825	13.3829617	0.00018329	Yes
Hoxb3	0.94084	0.3991	-0.54174	3.20E-09	Yes	HOXB3	0.236863	62.499	8.04363	0.237863	62.5	8.0375815	0.00018329	Yes
Hoxb5	0.65793	0.37842	-0.27951	1.14E-10	Yes	Hoxb5	0	141.103	inf	0.001	141.104	17.1063994	0.00018329	Yes
Hoxb7	0.09272	0.03156	-0.06116	0.0103156	Yes	Hoxb7	0	46.3627	inf	0.001	46.3637	15.5007081	0.00018329	Yes
Hoxd10	0.13304	0.043773	-0.089267	9.35E-05	Yes	Hoxd10	0	70.703	inf	0.001	70.704	16.1095042	0.00018329	Yes
Hpd1	0.76479	0.45805	-0.30674	0.00046463	Yes	Hpd1	0	2.48339	inf	0.001	2.48439	11.278676	0.00018329	Yes
Hr	0.3952	0.19756	-0.19764	0.03863139	Yes	Hr	0.125388	2.25394	4.16798	0.126388	2.25494	4.15715765	0.00082046	Yes
Hs6st1	0.17674	0.075484	-0.101256	0.00405617	Yes	Hs6st1	5.09462	26.3732	2.37203	5.09562	26.3742	2.37179773	0.00018329	Yes
Hsd17b1	0.92571	0.36572	-0.55999	4.46E-12	Yes	Hsd17b1	0.705317	2.17137	1.62226	0.706317	2.17237	1.62088212	0.00579773	Yes
Hspa2	0.18997	0.098279	-0.091691	0.01024368	Yes	Hspa2	0.469407	30.4824	6.02099	0.470407	30.4834	6.01797049	0.00380824	Yes
Igf2r	0.39972	0.26472	-0.135	3.32E-11	Yes	Igf2r	10.7387	22.5032	1.06731	10.7397	22.5042	1.06724059	0.00035173	Yes
lhh	0.12886	0.025192	-0.103668	0.00455632	Yes	lhh	0.400362	3.69262	3.20527	0.401362	3.69362	3.20205951	0.00018329	Yes
Il3ra	0.39256	0.14226	-0.2503	0.00256829	Yes	Il3ra	2.38171	70.1972	4.88134	2.38271	70.1982	4.88075876	0.00018329	Yes
Irf2bpl	0.81763	0.16809	-0.64954	3.77E-12	Yes	Irf2bpl	9.19097	22.4291	1.28708	9.19197	22.4301	1.28699006	0.00018329	Yes
Irx1	0.09963	0.043645	-0.055985	3.15E-05	Yes	Irx1	0	55.6726	inf	0.001	55.6736	15.7647058	0.00018329	Yes
Irx2	0.18212	0.050162	-0.131958	9.35E-05	Yes	Irx2	0	25.1231	inf	0.001	25.1241	14.6167843	0.00018329	Yes
Irx3	0.10307	0.037249	-0.065821	0.00052221	Yes	Irx3	0	21.6305	inf	0.001	21.6315	14.4008461	0.00018329	Yes
Itgal	0.064842	0.40773	0.342888	6.35E-06	Yes	Itgal	68.5715	11.0793	-2.62974	68.5725	11.0803	-2.6296332	0.00018329	Yes
Itgb4	0.093901	0.03255	-0.061351	0.00674226	Yes	Itgb4	0.0456238	16.3611	8.48627	0.0466238	16.3621	8.45507561	0.00419853	Yes
Itgb5	0.71846	0.23213	-0.48633	6.98E-06	Yes	Itgb5	0.732543	47.8211	6.02859	0.733543	47.8221	6.02665214	0.00970533	Yes
Itih3	0.62685	0.4137	-0.21315	0.04097311	Yes	Itih3	0.836727	3.50522	2.06667	0.837727	3.50622	2.06536444	0.00744054	Yes
Itpripl2	0.65634	0.47469	-0.18165	5.51E-05	Yes	Itpripl2	0.331578	1.67742	2.33883	0.332578	1.67842	2.33533913	0.0101506	Yes
Junb	0.27274	0.060427	-0.212313	4.18E-09	Yes	Junb	38.4732	245.531	2.67398	38.4742	245.532	2.67394783	0.00018329	Yes
Kcna3	0.18001	0.29657	0.11656	0.00894698	Yes	Kcna3	3.13587	0.573859	-2.4501	3.13687	0.574859	-2.4480457	0.00066911	Yes
Kcnc3	0.14949	0.044357	-0.105133	5.62E-06	Yes	Kcnc3	0	0.806942	inf	0.001	0.807942	9.65810792	0.00018329	Yes
Kcnip4	0.10962	0.050164	-0.059456	4.67E-05	Yes	Kcnip4	0	5.00393	inf	0.001	5.00493	12.2891342	0.00018329	Yes
Kcnn4	0.039009	0.46885	0.429841	3.77E-12	Yes	Kcnn4	173.866	44.2859	-1.97306	173.867	44.2869	-1.9730322	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Khk	0.8673	0.27117	-0.59613	3.77E-12	Yes	Khk	8.46521	136.961	4.01608	8.46621	136.962	4.01591559	0.00018329	Yes
Kif12	0.86191	0.28774	-0.57417	3.78E-12	Yes	Kif12	0	144.405	inf	0.001	144.406	17.1397712	0.00018329	Yes
Kif21b	0.034773	0.40601	0.371237	4.56E-07	Yes	Kif21b	49.5427	8.21267	-2.59275	49.5437	8.21367	-2.5926027	0.00018329	Yes
Kifc3	0.90215	0.75069	-0.15146	0.00070202	Yes	Kifc3	0.685614	73.1428	6.73718	0.686614	73.1438	6.7350925	0.00018329	Yes
Kirrel3	0.13608	0.04806	-0.08802	0.03275343	Yes	Kirrel3	0.0199011	3.56407	7.48453	0.0209011	3.56507	7.41420772	0.0270219	Yes
Kl	0.34434	0.10694	-0.2374	0.00070202	Yes	Kl	0	28.9031	inf	0.001	28.9041	14.8189865	0.00018329	Yes
Klf2	0.033058	0.4524	0.419342	3.77E-12	Yes	Klf2	448.566	63.8868	-2.81173	448.567	63.8878	-2.8117111	0.00018329	Yes
Klhdc8a	0.090199	0.022416	-0.067783	0.00256829	Yes	Klhdc8a	0	74.7003	inf	0.001	74.7013	16.1888457	0.00018329	Yes
Krt19	0.11731	0.041056	-0.076254	0.00060029	Yes	Krt19	0	163.334	inf	0.001	163.335	17.3174744	0.00018329	Yes
Krt8	0.72917	0.40622	-0.32295	0.0031273	Yes	Krt8	0.088958	104.146	10.1932	0.089958	104.147	10.1770821	0.00197017	Yes
Krt80	0.66413	0.31417	-0.34996	0.00120161	Yes	Krt80	0	6.15456	inf	0.001	6.15556	12.5876744	0.00018329	Yes
Krtcap3	0.73259	0.20769	-0.5249	3.77E-12	Yes	Krtcap3	1.45918	19.9013	3.76963	1.46018	19.9023	3.76871704	0.00018329	Yes
Lactb2	0.11983	0.052829	-0.067001	0.00174433	Yes	Lactb2	16.0069	61.5282	1.94255	16.0079	61.5292	1.94248717	0.00018329	Yes
Lama4	0.37824	0.21399	-0.16425	0.03032002	Yes	Lama4	0.0139662	0.725373	5.69872	0.0149662	0.726373	5.60093071	0.0409941	Yes
Lama5	0.12968	0.03687	-0.09281	0.01178248	Yes	Lama5	0.193159	22.9917	6.89517	0.194159	22.9927	6.8877935	0.00018329	Yes
Lat	0.0004085	0.3155	0.3150915	5.63E-11	Yes	Lat	609.165	125.827	-2.2754	609.166	125.828	-2.2753824	0.00018329	Yes
Lax1	0.055316	0.32873	0.273414	7.89E-05	Yes	Lax1	13.5121	3.61891	-1.90062	13.5131	3.61991	-1.9003329	0.00018329	Yes
Lbh	0	0.090702	0.090702	2.16E-06	Yes	Lbh	154.218	28.3275	-2.44469	154.219	28.3285	-2.4446544	0.00018329	Yes
Lca5	0.648	0.51037	-0.13763	0.00159707	Yes	Lca5	0	1.31368	inf	0.001	1.31468	10.360496	0.00018329	Yes
Lgalsl	0.78462	0.27181	-0.51281	3.27E-07	Yes	Lgalsl	0.437353	13.3119	4.92777	0.438353	13.3129	4.92458794	0.00018329	Yes
Llgl2	0.083097	0.006381	-0.076716	0.00768781	Yes	Llgl2	9.05066	42.1141	2.21821	9.05166	42.1151	2.21808329	0.00018329	Yes
Lmna	0.50147	0.09572	-0.40575	8.08E-07	Yes	Lmna	1.60469	28.3558	4.14328	1.60569	28.3568	4.14242944	0.00018329	Yes
Loxl1	0.55653	0.36517	-0.19136	3.56E-06	Yes	Loxl1	0	4.56656	inf	0.001	4.56756	12.157208	0.00018329	Yes
Lpgat1	0.084772	0.0091645	-0.0756075	0.01105145	Yes	Lpgat1	4.52558	10.8615	1.26305	4.52658	10.8625	1.26286282	0.00224282	Yes
Lrch1	1.50E-07	0.11169	0.11168985	4.46E-06	Yes	Lrch1	9.94178	4.87415	-1.02835	9.94278	4.87515	-1.0282027	0.0130082	Yes
Lrg1	0.36319	0.16333	-0.19986	0.00275507	Yes	Lrg1	0.801594	2.69692	1.75037	0.802594	2.69792	1.74910529	0.00406781	Yes
Lrrc16a	0.60317	0.14985	-0.45332	9.79E-07	Yes	Lrrc16a	0.479038	13.2218	4.78663	0.480038	13.2228	4.78373528	0.00018329	Yes
Lrrc23	0.032739	0.11692	0.084181	9.15E-06	Yes	Lrrc23	72.2559	32.1303	-1.16918	72.2569	32.1313	-1.169156	0.0066167	Yes
Lrrk2	0.2531	0.11564	-0.13746	0.00420619	Yes	Lrrk2	0.630432	9.75067	3.95109	0.631432	9.75167	3.94895002	0.00018329	Yes
Ltbp3	0.60949	0.2466	-0.36289	6.50E-07	Yes	Ltbp3	0.044051	20.9196	8.89147	0.045051	20.9206	8.85914938	0.00154856	Yes
Ltbr	0.75586	0.23892	-0.51694	4.45E-08	Yes	Ltbr	0.267349	36.375	7.08808	0.268349	36.376	7.08273259	0.00018329	Yes
Lurap1l	0.28293	0.16005	-0.12288	0.01544668	Yes	Lurap1l	0	5.62822	inf	0.001	5.62922	12.4587193	0.00018329	Yes
Lypd3	0.10853	0.055457	-0.053073	0.0023061	Yes	Lypd3	0.689961	3.26965	2.24455	0.690961	3.27065	2.24290119	0.00018329	Yes
Lypd6b	0.14165	0.071427	-0.070223	0.02412126	Yes	Lypd6b	0	4.23849	inf	0.001	4.23949	12.049675	0.00018329	Yes
Lzts3	0.547	0.24472	-0.30228	3.77E-12	Yes	Lzts3	1.14137	42.0551	5.20344	1.14237	42.0561	5.20221317	0.00018329	Yes
Mafb	0.26402	0.1004	-0.16362	1.56E-06	Yes	Mafb	0.0994719	8.74356	6.45779	0.1004719	8.74456	6.44352182	0.0354586	Yes
Mafk	0.85824	0.65226	-0.20598	4.69E-07	Yes	Mafk	11.9052	20.6226	0.792635	11.9062	20.6236	0.79258315	0.00579773	Yes
Mal	0.074241	0.022091	-0.05215	0.00142182	Yes	Mal	0.63993	179.589	8.13257	0.64093	179.59	8.1303245	0.00018329	Yes
Map10	0.41342	0.29913	-0.11429	0.00034148	Yes	Map10	0.0559331	0.855202	3.93449	0.0569331	0.856202	3.91061164	0.00238141	Yes
Map4k1	0.0029762	0.36839	0.3654138	5.64E-08	Yes	Map4k1	65.9392	24.7288	-1.41494	65.9402	24.7298	-1.4149077	0.00018329	Yes
Map6	0.12789	0.031857	-0.096033	0.00015368	Yes	Map6	2.23368	6.02859	1.4324	2.23468	6.02959	1.43199165	0.00051281	Yes
Mapk13	0.74566	0.58045	-0.16521	0.00164763	Yes	Mapk13	0.0273072	26.624	9.92923	0.0283072	26.625	9.87739676	0.0226206	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mapk4	0.9748	0.64112	-0.33368	6.50E-07	Yes	Mapk4	0	1.10264	inf	0.001	1.10364	10.1080539	0.00018329	Yes
Marveld2	0.183	0.042963	-0.140037	1.79E-05	Yes	Marveld2	0.0514176	6.25978	6.92771	0.0524176	6.26078	6.9001473	0.0321839	Yes
Marveld3	0.82786	0.43788	-0.38998	9.15E-06	Yes	Marveld3	0	7.12001	inf	0.001	7.12101	12.7978662	0.00018329	Yes
Matn1	0.80764	0.69435	-0.11329	0.00102242	Yes	Matn1	0.0493682	3.38069	6.09759	0.0503682	3.38169	6.06908743	0.0409941	Yes
Mb21d2	0.53406	0.3073	-0.22676	0.00013988	Yes	Mb21d2	0	4.93846	inf	0.001	4.93946	12.2701376	0.00018329	Yes
Megf8	0.37816	0.10936	-0.2688	1.01E-05	Yes	Megf8	0.0158825	5.35984	8.39861	0.0168825	5.36084	8.31078671	0.00111812	Yes
Metrn	0.48372	0.19401	-0.28971	1.80E-08	Yes	Metrn	0.412013	8.59554	4.38283	0.413013	8.59654	4.37949701	0.00018329	Yes
Mfap2	0.74712	0.38754	-0.35958	0.00077922	Yes	Mfap2	0.119917	0.609022	2.34445	0.120917	0.610022	2.33484418	0.0365736	Yes
Mfhas1	0.84356	0.77107	-0.07249	0.00489594	Yes	Mfhas1	0.301233	6.37426	4.40331	0.302233	6.37526	4.39875108	0.00018329	Yes
Mir349	0.79057	0.70477	-0.0858	0.02412126	Yes	Mir349	0.573453	57.3842	6.64483	0.574453	57.3852	6.64234603	0.00018329	Yes
Mlf2	0.86626	0.67293	-0.19333	0.01899425	Yes	Mlf2	92.141	139.128	0.594495	92.142	139.129	0.59449235	0.0268173	Yes
Mlph	0.099002	0.037737	-0.061265	0.00625768	Yes	Mlph	0	9.3208	inf	0.001	9.3218	13.1863928	0.00018329	Yes
Mlxipl	0.17268	0.055468	-0.117212	0.0017951	Yes	Mlxipl	0	8.52906	inf	0.001	8.53006	13.0583402	0.00018329	Yes
Mlycd	0.24952	0.083083	-0.166437	0.00542685	Yes	Mlycd	7.51863	25.5085	1.76244	7.51963	25.5095	1.76230104	0.00018329	Yes
Mmp11	0.52757	0.17633	-0.35124	2.79E-05	Yes	Mmp11	0.766741	4.2204	2.46057	0.767741	4.2214	2.45902994	0.00018329	Yes
Mob3a	0	0.23481	0.23481	5.02E-08	Yes	Mob3a	51.9122	14.4634	-1.84367	51.9132	14.4644	-1.8435949	0.0158179	Yes
Mob3b	0.43695	0.12592	-0.31103	0.00911887	Yes	Mob3b	0.733267	7.46299	3.34734	0.734267	7.46399	3.34557039	0.00018329	Yes
Mpp6	0.62312	0.34348	-0.27964	0.00023303	Yes	Mpp6	8.43314	13.6911	0.699098	8.43414	13.6921	0.69903086	0.0255527	Yes
Mpped1	0.34162	0.25547	-0.08615	0.00575049	Yes	Mpped1	0	0.897091	inf	0.001	0.898091	9.81071782	0.00018329	Yes
Mpst	0.9402	0.5354	-0.4048	2.30E-10	Yes	MPST	18.9091	96.8224	2.35626	18.9101	96.8234	2.35619876	0.00018329	Yes
Mrap	0.70272	0.2881	-0.41462	1.79E-05	Yes	Mrap	0	3.06591	inf	0.001	3.06691	11.5825701	0.00018329	Yes
Mri1	0.8941	0.80362	-0.09048	0.00894698	Yes	Mri1	17.1766	28.0331	0.706689	17.1776	28.0341	0.70665427	0.0228125	Yes
Mrpl38	0.75996	0.36124	-0.39872	5.90E-05	Yes	Mrpl38	15.0488	36.9521	1.29601	15.0498	36.9531	1.29595108	0.00018329	Yes
Mt1	0.86764	0.23403	-0.63361	6.50E-07	Yes	MT1	1.82289	22.2274	3.60804	1.82389	22.2284	3.60731348	0.0317975	Yes
Mt2A	0.59299	0.15785	-0.43514	3.76E-05	Yes	Mt2A	2.59042	3458.55	10.3828	2.59142	3458.551	10.3822092	0.00018329	Yes
Myh11	0.94036	0.46806	-0.4723	6.50E-07	Yes	Myh11	1.38304	15.0142	3.44042	1.38404	15.0152	3.43946615	0.00018329	Yes
Myh14	0.15221	0.052865	-0.099345	0.00196002	Yes	Myh14	0.0360801	10.8693	8.23484	0.0370801	10.8703	8.19553091	0.00018329	Yes
Myo1c	0.87701	0.62246	-0.25455	4.00E-05	Yes	Myo1c	4.09798	43.0395	3.39268	4.09898	43.0405	3.39235798	0.00018329	Yes
Myo5b	0.27505	0.11527	-0.15978	0.02412126	Yes	Myo5b	0.0337611	25.557	9.56414	0.0347611	25.558	9.52208549	0.0407233	Yes
N4bp3	0.81677	0.51181	-0.30496	0.00012584	Yes	N4bp3	0.228226	4.26259	4.22319	0.229226	4.26359	4.21722611	0.00018329	Yes
Nacc2	0.12453	0.039802	-0.084728	0.01178248	Yes	Nacc2	0.0343785	8.57684	7.96279	0.0353785	8.57784	7.92159771	0.00111812	Yes
Napsa	0.72817	0.44759	-0.28058	0.00108973	Yes	Napsa	3.08544	82.5898	4.74241	3.08644	82.5908	4.74196543	0.00018329	Yes
Nat14	0.9961	0.92686	-0.06924	0.00152471	Yes	Nat14	0.467994	2.11698	2.17745	0.468994	2.11798	2.1750476	0.0018326	Yes
Nav2	0.17227	0.062493	-0.109777	6.66E-08	Yes	Nav2	0.639665	14.9586	4.54752	0.640665	14.9596	4.54535761	0.00018329	Yes
Ncf4	0.88398	0.7836	-0.10038	0.00275507	Yes	Ncf4	1.00451	8.08672	3.00906	1.00551	8.08772	3.00780562	0.00018329	Yes
Nckap1l	0	0.4317	0.4317	6.50E-07	Yes	Nckap1l	42.8356	9.81692	-2.12547	42.8366	9.81792	-2.1253547	0.00018329	Yes
Ncs1	0.48697	0.29076	-0.19621	0.00542685	Yes	Ncs1	0	11.319	inf	0.001	11.32	13.4665863	0.00018329	Yes
NdrG4	0.23554	0.092802	-0.142738	0.00509659	Yes	NdrG4	0.764515	46.6824	5.93219	0.765515	46.6834	5.93033518	0.00018329	Yes
Nefm	0.1384	0.048024	-0.090376	0.00022961	Yes	Nefm	0	0.66486	inf	0.001	0.66586	9.37907507	0.00018329	Yes
Nkx2-1	0.08273	0.02523	-0.0575	0.0017951	Yes	Nkx2-1	1.98574	44.718	4.49311	1.98674	44.719	4.49241294	0.00018329	Yes
Notch1	0.12972	0.34006	0.21034	5.96E-07	Yes	Notch1	31.3569	10.1106	-1.63291	31.3579	10.1116	-1.6328176	0.00018329	Yes
Nox4	0.28551	0.10257	-0.18294	0.00054569	Yes	Nox4	0	6.30067	inf	0.001	6.30167	12.6215185	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Npr1	0.22736	0.12274	-0.10462	0.01265586	Yes	Npr1	0.0716407	2.60435	5.184	0.0726407	2.60535	5.16455528	0.00018329	Yes
Npr2	0.87251	0.68302	-0.18949	0.00256829	Yes	Npr2	0.93517	7.25133	2.95494	0.93617	7.25233	2.95360213	0.00018329	Yes
Nr1h3	0.38501	0.11209	-0.27292	5.87E-06	Yes	Nr1h3	0.177248	13.6944	6.27167	0.178248	13.6954	6.2636617	0.00018329	Yes
Nr2f6	0.52315	0.16531	-0.35784	3.77E-12	Yes	Nr2f6	3.80568	69.9367	4.19982	3.80668	69.9377	4.19946515	0.00018329	Yes
Nrp1	0.64821	0.20959	-0.43862	6.21E-07	Yes	Nrp1	3.21383	15.9642	2.31248	3.21483	15.9652	2.31211627	0.00018329	Yes
Nt5dc2	0.81655	0.17311	-0.64344	4.58E-09	Yes	Nt5dc2	2.60007	4.91006	0.917192	2.60107	4.91106	0.91692922	0.018521	Yes
Ntf3	0.12434	0.033555	-0.090785	0.00049132	Yes	Ntf3	0	3.11756	inf	0.001	3.11856	11.6066643	0.00018329	Yes
Ntn4	0.087468	0.020055	-0.067413	9.35E-05	Yes	Ntn4	0	18.22	inf	0.001	18.221	14.1533145	0.00018329	Yes
Nudt22	0.88719	0.59812	-0.28907	5.90E-05	Yes	Nudt22	6.74704	12.7299	0.915893	6.74804	12.7309	0.91579398	0.0145263	Yes
Pacsin3	0.63785	0.28975	-0.3481	7.48E-05	Yes	Pacsin3	0.104914	21.7165	7.69344	0.105914	21.7175	7.67982093	0.0247294	Yes
Palm	0.59891	0.19715	-0.40176	0.00164763	Yes	Palm	3.29002	75.155	4.5137	3.29102	75.156	4.51328159	0.00834357	Yes
Palmd	0.52388	0.27526	-0.24862	0.02284827	Yes	Palmd	0	1.71929	inf	0.001	1.72029	10.7484361	0.00018329	Yes
Paqr6	0.81301	0.23158	-0.58143	6.98E-06	Yes	Paqr6	0.98542	11.9011	3.59422	0.98642	11.9021	3.59287028	0.00018329	Yes
Parp16	0.77645	0.3065	-0.46995	6.77E-07	Yes	Parp16	0.982597	7.67323	2.96516	0.983597	7.67423	2.96388276	0.00018329	Yes
Parp3	0.65287	0.52274	-0.13013	0.03863139	Yes	Parp3	2.73317	13.6968	2.32519	2.73417	13.6978	2.32476935	0.00018329	Yes
Parvg	1.50E-07	0.32739	0.32738985	6.50E-07	Yes	Parvg	31.1631	11.0987	-1.48944	31.1641	11.0997	-1.4893644	0.00018329	Yes
Pax2	0.13219	0.035364	-0.096826	0.01761018	Yes	Pax2	0	31.2899	inf	0.001	31.2909	14.9334555	0.00018329	Yes
Pcdhga12	0.46759	0.39897	-0.06862	0.04893199	Yes	Pcdhga12	1.27837	9.61176	2.9105	1.27937	9.61276	2.90951716	0.0417433	Yes
Pcsk5	0.091017	0.023579	-0.067438	7.48E-05	Yes	Pcsk5	0	3.02344	inf	0.001	3.02444	11.5624523	0.00018329	Yes
Pde1b	0.14144	0.070401	-0.071039	0.00455632	Yes	Pde1b	0.0339962	2.9834	6.45544	0.0349962	2.9844	6.41409883	0.0465444	Yes
Pde9a	0.90478	0.67793	-0.22685	0.00021046	Yes	Pde9a	0.23561	13.6119	5.85232	0.23661	13.6129	5.84631958	0.00018329	Yes
Pdgfa	0.46556	0.27411	-0.19145	0.00663046	Yes	Pdgfa	0	110.278	inf	0.001	110.279	16.7507986	0.00018329	Yes
Pdgfra	0.086934	0.024922	-0.062012	0.00489594	Yes	Pdgfra	0	0.703592	inf	0.001	0.704592	9.46064428	0.00018329	Yes
Pdlim4	0.088651	0.026331	-0.06232	0.00052221	Yes	Pdlim4	0	11.6452	inf	0.001	11.6462	13.5075717	0.00018329	Yes
Pdzd3	0.84439	0.54872	-0.29567	0.00037654	Yes	Pdzd3	0.113768	5.56846	5.61311	0.114768	5.56946	5.60074511	0.00018329	Yes
Pebp1	0.91934	0.7257	-0.19364	0.00275507	Yes	Pebp1	106.749	451.706	2.08117	106.75	451.707	2.0811512	0.00018329	Yes
Pex10	0.7379	0.53219	-0.20571	0.00740016	Yes	Pex10	1.87484	5.94706	1.6654	1.87584	5.94806	1.66488242	0.00018329	Yes
Pfkfb3	0.41937	0.1617	-0.25767	0.02284827	Yes	Pfkfb3	11.4679	18.7723	0.711	11.4689	18.7733	0.71095524	0.0339945	Yes
Pfkl	0.62071	0.43243	-0.18828	0.00420619	Yes	Pfkl	21.9825	46.5587	1.08269	21.9835	46.5597	1.08266067	0.00018329	Yes
Pgm5	0.91316	0.64608	-0.26708	0.00012584	Yes	Pgm5	0	0.97636	inf	0.001	0.97736	9.93274625	0.00018329	Yes
Phlda2	0.20439	0.079163	-0.125227	0.00822556	Yes	PHLDA2	0.714176	10.4513	3.87126	0.715176	10.4523	3.8693783	0.00018329	Yes
Phlpp1	0.65549	0.24118	-0.41431	3.06E-06	Yes	Phlpp1	1.52098	3.0126	0.986004	1.52198	3.0136	0.98553854	0.0018326	Yes
Phpt1	0.28598	0.081824	-0.204156	0.00120161	Yes	Phpt1	70.3761	164.785	1.22742	70.3771	164.786	1.22741571	0.00018329	Yes
Pim3	0.9426	0.28055	-0.66205	3.20E-09	Yes	Pim3	9.14116	47.7315	2.38449	9.14216	47.7325	2.38436493	0.00018329	Yes
Pinlyp	0.90976	0.71119	-0.19857	0.00152471	Yes	Pinlyp	0	8.72777	inf	0.001	8.72877	13.0915627	0.00018329	Yes
Pirt	0.76614	0.63038	-0.13576	0.00205366	Yes	Pirt	0	0.860332	inf	0.001	0.861332	9.75042562	0.00035173	Yes
Pitx2	0.083284	0.029013	-0.054271	0.0103156	Yes	Pitx2	0	17.3256	inf	0.001	17.3266	14.080701	0.00018329	Yes
Piwil1	0.61335	0.30587	-0.30748	0.00212541	Yes	Piwil1	0.133962	1.50752	3.49228	0.134962	1.50852	3.48250866	0.00018329	Yes
Pklr	0.82866	0.42796	-0.4007	0.00012584	Yes	Pklr	0.0593489	16.0299	8.07733	0.0603489	16.0309	8.05331223	0.00018329	Yes
Pkp3	0.8219	0.21546	-0.60644	2.39E-11	Yes	Pkp3	0.380359	8.43135	4.47033	0.381359	8.43235	4.4667131	0.0273913	Yes
Plac9	0.3548	0.13862	-0.21618	0.00256829	Yes	Plac9	0	5.6109	inf	0.001	5.6119	12.4542736	0.00018329	Yes
Plaur	0.095801	0.028858	-0.066943	0.01105145	Yes	Plaur	0.590046	5.75154	3.28505	0.591046	5.75254	3.28285679	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Plek2	0.36917	0.15015	-0.21902	0.03275343	Yes	Plek2	0.0664441	1.53939	4.53408	0.0674441	1.54039	4.51345961	0.0166578	Yes
Plekha5	0.14045	0.06039	-0.08006	0.00141755	Yes	Plekha5	1.10491	25.4311	4.52459	1.10591	25.4321	4.52334471	0.00018329	Yes
Plekhd1	0.099271	0.028559	-0.070712	0.00256829	Yes	Plekhd1	0.236201	1.32659	2.48963	0.237201	1.32759	2.48462767	0.00082046	Yes
Plekhh3	0.169	0.047443	-0.121557	1.26E-05	Yes	Plekhh3	1.34165	14.874	3.47071	1.34265	14.875	3.46973449	0.00018329	Yes
Pls1	0.87082	0.64503	-0.22579	0.00092821	Yes	Pls1	0.425233	16.7904	5.30324	0.426233	16.7914	5.29993642	0.00018329	Yes
Plxna2	0.13077	0.077498	-0.053272	0.02284827	Yes	Plxna2	0	0.769771	inf	0.001	0.770771	9.59015848	0.00018329	Yes
Polr2i	0.81217	0.57766	-0.23451	3.19E-05	Yes	Polr2i	6.29013	11.8088	0.908697	6.29113	11.8098	0.90859345	0.0401475	Yes
Polr3h	0.30756	0.65945	0.35189	6.50E-07	Yes	Polr3h	42.6606	18.683	-1.19117	42.6616	18.684	-1.1911347	0.00018329	Yes
Pomc	0.37407	0.15058	-0.22349	0.00142182	Yes	Pomc	1.14033	5.82182	2.35202	1.14133	5.82282	2.35100203	0.00097029	Yes
Pomgnt2	0.77338	0.65846	-0.11492	0.02160305	Yes	Pomgnt2	0	2.64655	inf	0.001	2.64755	11.3704422	0.00018329	Yes
Ppm1j	0.76933	0.36707	-0.40226	6.69E-05	Yes	Ppm1j	0.891261	2.49903	1.48745	0.892261	2.50003	1.48640772	0.0285734	Yes
Ppp1r15a	0.33594	0.16772	-0.16822	0.0031273	Yes	Ppp1r15a	16.5788	93.2537	2.49182	16.5798	93.2547	2.49174983	0.00018329	Yes
Ppp1r9b	0.016934	0.087754	0.07082	4.39E-09	Yes	Ppp1r9b	65.6913	31.5383	-1.0586	65.6923	31.5393	-1.0585736	0.00018329	Yes
Pramef8	0.12505	0.05919	-0.06586	0.00334228	Yes	Pramef8	0.42425	2.43547	2.52121	0.42525	2.43647	2.51840932	0.00018329	Yes
Prkcdbp	0.36813	0.18534	-0.18279	0.00489594	Yes	Prkcdbp	0.154361	36.4963	7.8853	0.155361	36.4973	7.87602154	0.00432763	Yes
Prodh	0.54867	0.31433	-0.23434	3.48E-05	Yes	Prodh	0.127212	22.1428	7.44346	0.128212	22.1438	7.43222771	0.0352739	Yes
Prom2	0.41621	0.20373	-0.21248	0.00052221	Yes	Prom2	0	30.9226	inf	0.001	30.9236	14.9164207	0.00018329	Yes
Proz	0.81236	0.39143	-0.42093	0.00017122	Yes	Proz	0.143528	1.50228	3.38775	0.144528	1.50328	3.37869283	0.00154856	Yes
Prr7	0.016483	0.096995	0.080512	7.19E-07	Yes	Prr7	25.0449	8.27691	-1.59735	25.0459	8.27791	-1.597236	0.00018329	Yes
Prrc2c	0.35093	0.42882	0.07789	0.00164763	Yes	Prrc2c	26.5403	9.17904	-1.53177	26.5413	9.18004	-1.5316667	0.00018329	Yes
Prss36	0.97423	0.6934	-0.28083	6.50E-07	Yes	Prss36	1.12112	4.24683	1.92145	1.12212	4.24783	1.92049906	0.00097029	Yes
Psmb8	0.30783	0.56504	0.25721	0.00212541	Yes	Psmb8	220.419	99.4793	-1.14778	220.42	99.4803	-1.1477724	0.00419853	Yes
Ptgds	0.86063	0.64501	-0.21562	6.87E-07	Yes	Ptgds	0	47.1079	inf	0.001	47.1089	15.523712	0.00018329	Yes
Ptms	0.50399	0.23436	-0.26963	0.00894698	Yes	Ptms	273.217	829.543	1.60227	273.218	829.544	1.60226597	0.00018329	Yes
Ptrf	0.77681	0.692	-0.08481	0.03760671	Yes	Ptrf	0.0983795	70.1392	9.47765	0.0993795	70.1402	9.46307755	0.00732142	Yes
Purg	0.65362	0.20524	-0.44838	9.15E-06	Yes	Purg	0.878579	2.42385	1.46406	0.879579	2.42485	1.46301044	0.0076683	Yes
Pvrl2	0.31692	0.19972	-0.1172	0.00768781	Yes	Pvrl2	0	35.2766	inf	0.001	35.2776	15.1064648	0.00018329	Yes
Pxdc1	0.21642	0.11526	-0.10116	0.00529214	Yes	Pxdc1	1.8996	8.50118	2.16196	1.9006	8.50218	2.16137787	0.00018329	Yes
Pyroxd2	0.18573	0.058855	-0.126875	0.01621946	Yes	Pyroxd2	3.07141	122.602	5.31894	3.07241	122.603	5.31847972	0.00018329	Yes
Rab26	0.82102	0.73378	-0.08724	0.03760671	Yes	Rab26	0.428854	3.98962	3.21769	0.429854	3.99062	3.21469427	0.00140841	Yes
Rab3a	0.72532	0.53074	-0.19458	0.00028052	Yes	Rab3a	1.86685	16.1823	3.11574	1.86785	16.1833	3.11505532	0.00018329	Yes
Ramp1	0.0021832	0.11422	0.1120368	3.06E-06	Yes	Ramp1	196.044	22.3615	-3.13208	196.045	22.3625	-3.1320315	0.00018329	Yes
Rarres2	0.76664	0.40085	-0.36579	0.00164763	Yes	Rarres2	0	17.2932	inf	0.001	17.2942	14.0780007	0.00615197	Yes
Rasef	0.16231	0.07273	-0.08958	1.46E-11	Yes	Rasef	0	0.714389	inf	0.001	0.715389	9.48258413	0.00018329	Yes
Rasgrp2	0	0.074668	0.074668	6.98E-06	Yes	Rasgrp2	144.039	22.8858	-2.65394	144.04	22.8868	-2.6538818	0.00018329	Yes
Rbck1	0.011276	0.16755	0.156274	0.0001006	Yes	Rbck1	127.409	53.687	-1.24682	127.41	53.688	-1.2468069	0.00018329	Yes
Rbp1	0.81524	0.69489	-0.12035	0.00351975	Yes	Rbp1	0	59.7287	inf	0.001	59.7297	15.8661609	0.00018329	Yes
Rbpms2	0.46791	0.16671	-0.3012	2.48E-07	Yes	Rbpms2	0.111889	24.7179	7.78735	0.112889	24.7189	7.77456582	0.00018329	Yes
Rfk	0.50312	0.32366	-0.17946	0.00674226	Yes	Rfk	13.0558	67.3129	2.36619	13.0568	67.3139	2.36610309	0.00018329	Yes
RGD1305347	0.21633	0.047188	-0.169142	0.00040512	Yes	RGD1305347	0	48.1164	inf	0.001	48.1174	15.5542711	0.00018329	Yes

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RGD1310587	0.75959	0.33902	-0.42057	5.51E-05	Yes	RGD1310587	0	14.293	inf	0.001	14.294	13.8031221	0.00018329	Yes
RGD1311946	0.13084	0.058374	-0.072466	0.02535502	Yes	RGD1311946	0.0405687	1.93283	5.57421	0.0415687	1.93383	5.53981953	0.0133341	Yes
RGD1560394	0.67926	0.52032	-0.15894	0.01397625	Yes	RGD1560394	0	2.8465	inf	0.001	2.8475	11.4754801	0.00018329	Yes
RGD1561149	0.82997	0.29016	-0.53981	6.50E-07	Yes	RGD1561149	0.0368588	18.9731	9.00773	0.0378588	18.9741	8.96918706	0.00018329	Yes
RGD1563888	0.20948	0.59983	0.39035	0.00037654	Yes	RGD1563888	53.6556	9.82474	-2.44924	53.6566	9.82574	-2.4491177	0.00018329	Yes
RGD1564053	0.082025	0.031284	-0.050741	5.34E-07	Yes	RGD1564053	0	0.751121	inf	0.001	0.752121	9.55482097	0.00290302	Yes
Rgn	0.50172	0.19151	-0.31021	2.96E-08	Yes	Rgn	0	34.5431	inf	0.001	34.5441	15.0761517	0.00018329	Yes
Rhcg	0.12014	0.048501	-0.071639	0.00046463	Yes	Rhcg	0	16.9447	inf	0.001	16.9457	14.0486316	0.00018329	Yes
Rhobtb1	0.095836	0.011383	-0.084453	0.00049132	Yes	Rhobtb1	3.46394	15.2184	2.13533	3.46494	15.2194	2.13500921	0.00018329	Yes
Rhov	0.73753	0.66861	-0.06892	0.02028318	Yes	Rhov	0.170253	4.52799	4.73311	0.171253	4.52899	4.72498819	0.00018329	Yes
Rilpl1	0.10518	0.032507	-0.072673	0.00025081	Yes	Rilpl1	0.302779	17.5456	5.8567	0.303779	17.5466	5.85202556	0.00097029	Yes
Rnaset2	0.8032	0.60642	-0.19678	0.00489594	Yes	Rnaset2	88.1539	147.018	0.737894	88.1549	147.019	0.73788995	0.00686277	Yes
Rnd2	0.31944	0.19463	-0.12481	0.0279946	Yes	Rnd2	0.0719457	10.6541	7.21028	0.0729457	10.6551	7.19050548	0.0339945	Yes
Rnf186	0.90603	0.48274	-0.42329	1.33E-08	Yes	Rnf186	0.181088	7.34864	5.34271	0.182088	7.34964	5.33496583	0.00066911	Yes
Rnf208	0.88606	0.58828	-0.29778	1.26E-05	Yes	Rnf208	1.8401	31.2852	4.08762	1.8411	31.2862	4.08688655	0.00018329	Yes
Robo2	0.26936	0.12304	-0.14632	2.48E-05	Yes	Robo2	0	0.753979	inf	0.001	0.754979	9.56029271	0.00018329	Yes
Ror2	0.42432	0.25299	-0.17133	0.00102242	Yes	Ror2	0.0648323	2.15657	5.05588	0.0658323	2.15757	5.03446795	0.00018329	Yes
Rps4y2	0.79236	0.56343	-0.22893	3.77E-12	Yes	Rps4y2	6.15993	24.3599	1.98352	6.16093	24.3609	1.98334738	0.0148363	Yes
Rsph9	0.34487	0.12159	-0.22328	5.20E-10	Yes	Rsph9	0.1109	11.6472	6.71458	0.1119	11.6482	6.70175319	0.00097029	Yes
RT1-Bb	0.22323	0.094463	-0.128767	0.00405617	Yes	RT1-Bb	16.0075	128.891	3.00934	16.0085	128.892	3.00925268	0.00018329	Yes
Rtkn	0.48095	0.15504	-0.32591	1.12E-06	Yes	Rtkn	0.0159837	11.4667	9.48663	0.0169837	11.4677	9.39920956	0.00799878	Yes
S1pr1	0.006983	0.08133	0.074347	4.05E-06	Yes	S1pr1	460.838	22.2354	-4.37333	460.839	22.2364	-4.3732677	0.00018329	Yes
Sall1	0.073615	0.018013	-0.055602	0.01349957	Yes	Sall1	0	26.2267	inf	0.001	26.2277	14.6788037	0.00018329	Yes
Samd5	0.1454	0.06862	-0.07678	0.00625768	Yes	Samd5	0	2.80402	inf	0.001	2.80502	11.4537953	0.00018329	Yes
Sardh	0.18401	0.029702	-0.154308	0.00049132	Yes	Sardh	0.0663137	9.12494	7.10436	0.0673137	9.12594	7.0829292	0.00018329	Yes
Sat2	0.57209	0.35566	-0.21643	0.03275343	Yes	Sat2	0.0206978	84.0343	11.9873	0.0216978	84.0353	11.919231	0.0186283	Yes
Scaf11	0.090895	0.18272	0.091825	0.04680399	Yes	Scaf11	30.5044	13.1248	-1.21672	30.5054	13.1258	-1.2166593	0.00018329	Yes
Scin	0.64884	0.44206	-0.20678	0.0031273	Yes	Scin	0.840409	67.9591	6.33743	0.841409	67.9601	6.33573692	0.00018329	Yes
Scnn1a	0.66685	0.22952	-0.43733	3.77E-12	Yes	Scnn1a	0.0625304	17.4084	8.12101	0.0635304	17.4094	8.09820366	0.00018329	Yes
Scx	0.61183	0.20745	-0.40438	3.77E-12	Yes	Scx	0.407171	21.5853	5.72827	0.408171	21.5863	5.72479848	0.012344	Yes
Sdc4	0.083435	0.026134	-0.057301	2.05E-06	Yes	Sdc4	0.202041	284.012	10.4571	0.203041	284.013	10.4499702	0.00018329	Yes
Sdccag3	0.18294	0.1319	-0.05104	1.44E-07	Yes	Sdccag3	33.0293	51.4057	0.638184	33.0303	51.4067	0.63816633	0.0263234	Yes
Sema3b	0.75793	0.17609	-0.58184	4.61E-10	Yes	Sema3b	0.00196435	45.712	14.5062	0.00296435	45.713	13.9126011	0.00018329	Yes
Serping1	0.42731	0.14879	-0.27852	0.00575049	Yes	Serping1	0	7.65975	inf	0.001	7.66075	12.9032699	0.00018329	Yes
Serpinh1	0.66153	0.1575	-0.50403	3.29E-08	Yes	Serpinh1	0	82.3681	inf	0.001	82.3691	16.3298156	0.00018329	Yes
Sfrp1	0.10508	0.042586	-0.062494	0.00046463	Yes	Sfrp1	0	2.49317	inf	0.001	2.49417	11.2843441	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sgk2	0.60244	0.19446	-0.40798	1.93E-10	Yes	Sgk2	0	12.2034	inf	0.001	12.2044	13.5751137	0.00018329	Yes
Sh3rf2	0.81001	0.72503	-0.08498	0.00489594	Yes	Sh3rf2	0	2.88417	inf	0.001	2.88517	11.4944406	0.00018329	Yes
Sim1	0.10906	0.046969	-0.062091	0.04097311	Yes	Sim1	0	8.81896	inf	0.001	8.81996	13.1065564	0.00018329	Yes
Sipa1	0.071377	0.23047	0.159093	1.32E-05	Yes	Sipa1	103.083	46.1222	-1.16028	103.084	46.1232	-1.1602559	0.00018329	Yes
Sipa1l2	0.43669	0.26061	-0.17608	0.02535502	Yes	Sipa1l2	0.0642095	4.81767	6.2294	0.0652095	4.81867	6.20740904	0.00018329	Yes
Slc12a3	0.78178	0.66261	-0.11917	0.00181887	Yes	Slc12a3	6.38238	43.8236	2.77954	6.38338	43.8246	2.77934848	0.00018329	Yes
Slc13a2	0.83984	0.39684	-0.443	1.17E-05	Yes	Slc13a2	0	11.4849	inf	0.001	11.4859	13.4875763	0.00018329	Yes
Slc13a3	0.83837	0.46093	-0.37744	3.06E-06	Yes	Slc13a3	0	56.8678	inf	0.001	56.8688	15.7953497	0.00018329	Yes
Slc17a9	0.32032	0.089032	-0.231288	0.00152471	Yes	Slc17a9	0.419655	0.99767	1.24936	0.420655	0.99867	1.24737054	0.0403432	Yes
Slc21a4	0.93683	0.5298	-0.40703	1.74E-11	Yes	Slc21a4	0	12.6546	inf	0.001	12.6556	13.6274883	0.00018329	Yes
Slc22a1	0.92825	0.46669	-0.46156	6.50E-07	Yes	Slc22a1	0	17.9165	inf	0.001	17.9175	14.1290817	0.00018329	Yes
Slc22a6	0.857	0.43408	-0.42292	1.42E-06	Yes	Slc22a6	0	116.894	inf	0.001	116.895	16.8348537	0.00018329	Yes
Slc22a7	0.86512	0.80006	-0.06506	0.00405617	Yes	Slc22a7	0	1.5567	inf	0.001	1.5577	10.6052017	0.00018329	Yes
Slc22a8	0.90999	0.37164	-0.53835	7.19E-07	Yes	Slc22a8	0	58.564	inf	0.001	58.565	15.8377511	0.00018329	Yes
Slc25a23	0.66111	0.17075	-0.49036	6.50E-07	Yes	Slc25a23	14.2959	64.851	2.18153	14.2969	64.852	2.18144871	0.00018329	Yes
Slc26a1	0.77619	0.29933	-0.47686	0.00142182	Yes	Slc26a1	0.103625	10.8698	6.71282	0.104625	10.8708	6.69908668	0.0139848	Yes
Slc27a2	0.65628	0.13604	-0.52024	7.19E-07	Yes	Slc27a2	0.100421	50.1487	8.96401	0.101421	50.1497	8.94974086	0.00018329	Yes
Slc27a3	0.73313	0.57003	-0.1631	0.02160305	Yes	Slc27a3	0.530904	2.61516	2.30037	0.531904	2.61616	2.29821298	0.00126492	Yes
Slc2a8	0.13245	0.029614	-0.102836	4.04E-05	Yes	Slc2a8	2.99959	9.12354	1.60483	3.00059	9.12454	1.60450563	0.00018329	Yes
Slc34a1	0.74411	0.48786	-0.25625	0.01544668	Yes	Slc34a1	0.0203707	404.194	14.2763	0.0213707	404.195	14.2071297	0.00018329	Yes
Slc34a2	0.083533	0.032158	-0.051375	3.95E-08	Yes	Slc34a2	0	69.16	inf	0.001	69.161	16.0776711	0.00018329	Yes
Slc3a1	0.98357	0.4645	-0.51907	6.50E-07	Yes	Slc3a1	0.209874	144.46	9.42693	0.210874	144.461	9.42008312	0.0448123	Yes
Slc4a11	0.91408	0.70661	-0.20747	0.00060029	Yes	Slc4a11	32.1636	93.5992	1.54107	32.1646	93.6002	1.54103787	0.00018329	Yes
Slc4a2	0.21911	0.067313	-0.151797	0.0279946	Yes	Slc4a2	15.0031	27.303	0.863801	15.0041	27.304	0.86375554	0.0369285	Yes
Slc6a6	0.71878	0.34548	-0.3733	0.00108973	Yes	Slc6a6	14.8025	57.0531	1.94646	14.8035	57.0541	1.94639225	0.00018329	Yes
Smarcc1	0.25296	0.35778	0.10482	0.00894698	Yes	Smarcc1	21.0967	10.1885	-1.05008	21.0977	10.1895	-1.0500025	0.0018326	Yes
Snx10	0.01671	0.30363	0.28692	4.36E-05	Yes	Snx10	7.59342	2.80169	-1.43845	7.59442	2.80269	-1.4381276	0.00111812	Yes
Snx33	0.23715	0.088858	-0.148292	1.13E-08	Yes	Snx33	1.6145	12.1856	2.91602	1.6155	12.1866	2.91524302	0.00018329	Yes
Sorcs2	0.11876	0.039145	-0.079615	0.04680399	Yes	Sorcs2	0	3.26303	inf	0.001	3.26403	11.6724386	0.00018329	Yes
Sox13	0.082389	0.024998	-0.057391	4.46E-06	Yes	Sox13	0.0879025	8.68442	6.62638	0.0889025	8.68542	6.61022782	0.00018329	Yes
Sp5	0.0955	0.029469	-0.066031	0.02535502	Yes	Sp5	0	1.11141	inf	0.001	1.11241	10.1194729	0.00018329	Yes
Sparcl1	0.62387	0.36706	-0.25681	1.98E-05	Yes	Sparcl1	0	2.73167	inf	0.001	2.73267	11.4160955	0.00018329	Yes
Spint1	0.34074	0.10581	-0.23493	2.48E-05	Yes	Spint1	0.653669	40.8011	5.9639	0.654669	40.8021	5.96173393	0.00018329	Yes
Spock2	0.47495	0.23943	-0.23552	0.00022961	Yes	Spock2	0.496369	4.50471	3.18195	0.497369	4.50571	3.17936597	0.00018329	Yes
Spon1	0.57215	0.45514	-0.11701	0.04893199	Yes	Spon1	0.372366	72.1203	7.59754	0.373366	72.1213	7.59369103	0.00018329	Yes
Spry2	0.91158	0.44175	-0.46983	3.77E-12	Yes	Spry2	12.6279	25.0514	0.988277	12.6289	25.0524	0.98821984	0.00082046	Yes
Spry4	0.62287	0.19718	-0.42569	3.03E-09	Yes	Spry4	0.110782	2.24192	4.33894	0.111782	2.24292	4.32661837	0.00018329	Yes
Srsf12	0.0046394	0.12893	0.1242906	0.00019103	Yes	Srsf12	23.1672	5.1574	-2.16737	23.1682	5.1584	-2.1671504	0.00018329	Yes
Ssh3	0.22354	0.077565	-0.145975	0.00015139	Yes	Ssh3	1.42649	14.4663	3.34216	1.42749	14.4673	3.34124316	0.00018329	Yes
St13	0.95112	0.81182	-0.1393	1.11E-05	Yes	St13	51.834	96.5027	0.896671	51.835	96.5037	0.89665769	0.00035173	Yes
Stard10	0.53569	0.17706	-0.35863	0.0023061	Yes	Stard10	34.3147	122.498	1.83586	34.3157	122.499	1.83582928	0.00018329	Yes
Steap1	0.093705	0.024713	-0.068992	0.00060029	Yes	Steap1	0	4.11108	inf	0.001	4.11208	12.0056526	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Stk10	0	0.051637	0.051637	2.36E-05	Yes	Stk10	83.5431	13.7692	-2.60108	83.5441	13.7702	-2.6009884	0.00018329	Yes
Stox2	0.029938	0.10797	0.078032	4.18E-09	Yes	Stox2	2.0893	0.781702	-1.41833	2.0903	0.782702	-1.417175	0.00018329	Yes
Stx3	0.80765	0.48319	-0.32446	0.00028052	Yes	Stx3	5.99217	10.8677	0.858895	5.99317	10.8687	0.85878819	0.00721079	Yes
Sult2b1	0.5062	0.32928	-0.17692	0.03760671	Yes	Sult2b1	9.18914	44.9526	2.2904	9.19014	44.9536	2.29027791	0.00018329	Yes
Surf6	0.22805	0.29923	0.07118	7.11E-05	Yes	Surf6	30.8222	18.1919	-0.760679	30.8232	18.1929	-0.7606411	0.00732142	Yes
Susd2	0.60699	0.24985	-0.35714	6.51E-08	Yes	Susd2	0.98518	10.7236	3.44426	0.98618	10.7246	3.44292903	0.00018329	Yes
Syne4	0.80854	0.19767	-0.61087	3.77E-12	Yes	Syne4	0.250844	3.04894	3.60345	0.251844	3.04994	3.5981786	0.0146209	Yes
Syngap1	0.84815	0.60444	-0.24371	0.00054569	Yes	Syngap1	0.501664	3.83961	2.93617	0.502664	3.84061	2.9336692	0.00018329	Yes
Synpo2	0.092739	0.018749	-0.07399	0.00015368	Yes	Synpo2	0	0.667764	inf	0.001	0.668764	9.38535338	0.00018329	Yes
Syt7	0.23201	0.082716	-0.149294	0.00275507	Yes	Syt7	0	0.626993	inf	0.001	0.627993	9.29460467	0.00579773	Yes
Tacstd2	0.11317	0.049719	-0.063451	0.00013988	Yes	Tacstd2	0	40.3788	inf	0.001	40.3798	15.3013461	0.00018329	Yes
Tas1r1	0.73686	0.55748	-0.17938	0.00159707	Yes	Tas1r1	0.869071	23.7709	4.77358	0.870071	23.7719	4.77198027	0.00018329	Yes
Tbc1d9	0.20284	0.091161	-0.111679	0.00368736	Yes	Tbc1d9	0.0440425	10.895	7.95055	0.0450425	10.896	7.91829599	0.00018329	Yes
Tbx3	0.10237	0.048664	-0.053706	5.25E-06	Yes	Tbx3	0	0.920226	inf	0.001	0.921226	9.84741132	0.00018329	Yes
Tctex1d2	0.15314	0.043617	-0.109523	0.03275343	Yes	Tctex1d2	0.34374	14.8054	5.42866	0.34474	14.8064	5.4245684	0.00035173	Yes
Tfam	0.012471	0.44267	0.430199	6.50E-07	Yes	Tfam	56.8434	35.8395	-0.665443	56.8444	35.8405	-0.6654275	0.0110491	Yes
Tgfb3	0.62495	0.39014	-0.23481	0.02028318	Yes	Tgfb3	0.0301334	0.574676	4.25331	0.0311334	0.575676	4.20872202	0.0486948	Yes
Tgfb1	0.7937	0.71828	-0.07542	0.0031273	Yes	Tgfb1	0.767177	12.923	4.07423	0.768177	12.924	4.07247008	0.00018329	Yes
Tjp3	0.49747	0.33869	-0.15878	0.02915203	Yes	Tjp3	0.779001	18.0824	4.53682	0.780001	18.0834	4.53504617	0.00111812	Yes
Tk1	0.72949	0.51238	-0.21711	0.02284827	Yes	Tk1	1.37261	10.1002	2.8794	1.37361	10.1012	2.87848234	0.00018329	Yes
Tle1	0.1391	0.034394	-0.104706	0.00832699	Yes	Tle1	0.0355829	3.26894	6.52149	0.0365829	3.26994	6.48195091	0.00744054	Yes
Tmc8	0.0017857	0.24944	0.2476543	6.50E-07	Yes	Tmc8	73.6614	18.7287	-1.97566	73.6624	18.7297	-1.9756006	0.00018329	Yes
Tmcc2	0.63185	0.35461	-0.27724	0.00120161	Yes	Tmcc2	0.0238079	0.669298	4.81314	0.0248079	0.670298	4.75593111	0.0295293	Yes
Tmem125	0.96892	0.85	-0.11892	1.26E-05	Yes	Tmem125	0	2.83885	inf	0.001	2.83985	11.471599	0.00018329	Yes
Tmem132e	0.082372	0.027386	-0.054986	0.00022961	Yes	Tmem132e	0	0.698406	inf	0.001	0.699406	9.44998636	0.00018329	Yes
Tmem150a	0.10414	0.026802	-0.077338	0.0103156	Yes	Tmem150a	1.19459	49.3896	5.36962	1.19559	49.3906	5.36844185	0.00018329	Yes
Tmem171	0.6578	0.404	-0.2538	4.67E-05	Yes	Tmem171	0	58.8203	inf	0.001	58.8213	15.844051	0.00018329	Yes
Tmem231	0.16983	0.075778	-0.094052	9.79E-07	Yes	Tmem231	0.105766	4.61393	5.44705	0.106766	4.61493	5.43378457	0.00018329	Yes
Tmem30b	0.3081	0.16536	-0.14274	0.00043712	Yes	Tmem30b	0	12.1712	inf	0.001	12.1722	13.5713023	0.00018329	Yes
Tmem37	0.77847	0.21155	-0.56692	7.19E-07	Yes	Tmem37	0.297015	62.9243	7.72694	0.298015	62.9253	7.72211143	0.00097029	Yes
Tmem72	0.75908	0.46356	-0.29552	4.18E-06	Yes	Tmem72	0	83.8893	inf	0.001	83.8903	16.3562164	0.00018329	Yes
Tmod4	0.8485	0.71502	-0.13348	2.23E-06	Yes	Tmod4	0.17706	11.7967	6.058	0.17806	11.7977	6.04999836	0.00481718	Yes
Tmprss2	0.17727	0.053877	-0.123393	0.00674226	Yes	Tmprss2	0.0351331	55.2541	10.619	0.0361331	55.2551	10.5785709	0.00018329	Yes
Tnfrsf12a	0.13654	0.030936	-0.105604	0.00077922	Yes	Tnfrsf12a	1.24118	32.2381	4.69898	1.24218	32.2391	4.69786532	0.0275792	Yes
Tnfrsf9	0.83711	0.45822	-0.37889	3.27E-06	Yes	Tnfrsf9	3.61736	19.2096	2.40882	3.61836	19.2106	2.40849472	0.00018329	Yes
Tnfsf12	0.2906	0.085198	-0.205402	0.00031102	Yes	Tnfsf12	0.468174	22.1822	5.56622	0.469174	22.1832	5.56320062	0.00018329	Yes
Tnfsf8	0.012156	0.30541	0.293254	8.08E-07	Yes	Tnfsf8	13.6202	0.891004	-3.93417	13.6212	0.892004	-3.9326598	0.00018329	Yes
Tns3	0.75008	0.63659	-0.11349	0.0445679	Yes	Tns3	0.0958953	39.9708	8.70327	0.0968953	39.9718	8.68834014	0.00018329	Yes
Tox3	0.95674	0.88589	-0.07085	0.00070202	Yes	Tox3	0	1.2255	inf	0.001	1.2265	10.2603315	0.00018329	Yes
Tpb1	0.14695	0.080301	-0.066649	0.03032002	Yes	Tpb1	0.463312	7.09333	3.93641	0.464312	7.09433	3.93349997	0.00018329	Yes
Tpd52	0.8225	0.40845	-0.41405	9.35E-05	Yes	Tpd52	0.339493	58.4665	7.42808	0.340493	58.4675	7.42386596	0.00018329	Yes
Tpi1	0.6741	0.17615	-0.49795	0.00120161	Yes	Tpi1	19.8159	217.393	3.45558	19.8169	217.394	3.45550892	0.00018329	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tpm2	0.59064	0.3287	-0.26194	0.00011533	Yes	Tpm2	0.111037	17.3721	7.2896	0.112037	17.3731	7.27673614	0.0203707	Yes
Tprn	0.10153	0.029714	-0.071816	0.0006534	Yes	Tprn	4.33731	15.8981	1.87398	4.33831	15.8991	1.87374005	0.00018329	Yes
Trak1	0.94989	0.89125	-0.05864	0.0279946	Yes	Trak1	6.46335	14.9298	1.20784	6.46435	14.9308	1.20771425	0.00018329	Yes
Trak2	0.43011	0.28283	-0.14728	1.53E-09	Yes	Trak2	14.7731	30.1168	1.0276	14.7741	30.1178	1.02754614	0.00481718	Yes
Trappc6a	0.74744	0.29988	-0.44756	3.77E-12	Yes	Trappc6a	52.8024	91.2981	0.789982	52.8034	91.2991	0.78996981	0.00627425	Yes
Trpm2	0.74897	0.44386	-0.30511	3.48E-05	Yes	Trpm2	7.26733	14.3973	0.986304	7.26833	14.3983	0.98620266	0.0145263	Yes
Tsku	0.28241	0.16723	-0.11518	0.01899425	Yes	Tsku	0.10344	3.87261	5.22644	0.10444	3.87361	5.21293244	0.00018329	Yes
Tspan33	0.12421	0.034144	-0.090066	0.00095473	Yes	Tspan33	0.21185	29.1944	7.1065	0.21285	29.1954	7.09976018	0.00018329	Yes
Tspan9	0.12877	0.065199	-0.063571	0.00085417	Yes	Tspan9	0.097538	8.93654	6.51761	0.098538	8.93754	6.50305379	0.00018329	Yes
Tst	0.72002	0.21058	-0.50944	3.77E-12	Yes	Tst	0.219254	71.1185	8.34148	0.220254	71.1195	8.33493315	0.00018329	Yes
Ttc39b	0.098508	0.025896	-0.072612	4.36E-05	Yes	Ttc39b	0.131532	3.5856	4.76873	0.132532	3.5866	4.75820421	0.00018329	Yes
Tuba1c	0.52181	0.23277	-0.28904	0.00031102	Yes	Tuba1c	138.596	277.022	0.999112	138.597	277.023	0.99910973	0.00051281	Yes
Tuba4a	0.80195	0.37074	-0.43121	6.50E-07	Yes	Tuba4a	45.9645	140.123	1.6081	45.9655	140.124	1.60808074	0.00018329	Yes
Twf1	0.39298	0.28706	-0.10592	0.01349957	Yes	Twf1	26.1373	53.3772	1.03012	26.1383	53.3782	1.03008534	0.00111812	Yes
Twf2	0.00067568	0.10838	0.10770432	0.00025534	Yes	Twf2	60.7025	16.9637	-1.83931	60.7035	16.9647	-1.8392438	0.00018329	Yes
Tysnd1	0.47185	0.15895	-0.3129	5.90E-05	Yes	Tysnd1	7.15571	11.8842	0.731876	7.15671	11.8852	0.73179775	0.0268173	Yes
Uap1l1	0.77206	0.60289	-0.16917	0.03032002	Yes	Uap1l1	6.44758	51.1907	2.98905	6.44858	51.1917	2.9888565	0.00018329	Yes
Ubash3a	2.27E-08	0.22954	0.22953998	8.03E-11	Yes	Ubash3a	20.8782	2.69735	-2.95239	20.8792	2.69835	-2.951917	0.00238141	Yes
Uncx	0.13389	0.032282	-0.101608	0.00196002	Yes	Uncx	0	1.14227	inf	0.001	1.14327	10.1589504	0.00018329	Yes
Uqcr11	0.096376	0.013045	-0.083331	0.00021046	Yes	Uqcr11	132.429	714.733	2.43218	132.43	714.734	2.43217644	0.00018329	Yes
Ush1c	0.3383	0.11487	-0.22343	2.75E-06	Yes	Ush1c	0	36.1202	inf	0.001	36.1212	15.1405582	0.00018329	Yes
Usp44	0.0026949	0.097884	0.0951891	7.19E-07	Yes	Usp44	21.5712	1.0251	-4.39527	21.5722	1.0261	-4.3939301	0.00018329	Yes
Vasn	0.75967	0.21397	-0.5457	3.78E-09	Yes	Vasn	0.292351	11.938	5.35172	0.293351	11.939	5.34691028	0.0138771	Yes
Vat1	0.074353	0.018632	-0.055721	0.01178248	Yes	Vat1	7.03524	49.7056	2.82074	7.03624	49.7066	2.82056083	0.00018329	Yes
Vav2	0.66099	0.21846	-0.44253	8.72E-07	Yes	Vav2	1.29607	12.9859	3.32473	1.29707	12.9869	3.32372885	0.00018329	Yes
Vax1	0.11121	0.032374	-0.078836	0.00011533	Yes	Vax1	0	0.76227	inf	0.001	0.76327	9.57604968	0.00018329	Yes
Vps37d	0.9189	0.21804	-0.70086	3.77E-12	Yes	Vps37d	0.302011	18.1312	5.90773	0.303011	18.1322	5.90304	0.00018329	Yes
Vsig10	0.73023	0.5841	-0.14613	0.04893199	Yes	Vsig10	0.0932012	7.76971	6.38137	0.0942012	7.77071	6.36615717	0.00018329	Yes
Vstm2b	0.2161	0.08597	-0.13013	1.61E-05	Yes	Vstm2b	0	1.59613	inf	0.001	1.59713	10.641266	0.00018329	Yes
Wdr13	0.97661	0.91725	-0.05936	0.00674226	Yes	Wdr13	9.28184	17.4323	0.90928	9.28284	17.4333	0.90920753	0.00066911	Yes
Wfdc2	0.61514	0.3102	-0.30494	2.49E-06	Yes	Wfdc2	1.53148	464.668	8.24513	1.53248	464.669	8.24419134	0.00018329	Yes
Wipf1	0	0.13558	0.13558	6.98E-06	Yes	Wipf1	75.6882	9.8062	-2.9483	75.6892	9.8072	-2.9481743	0.00018329	Yes
Wnt7b	0.088053	0.023861	-0.064192	0.00142182	Yes	Wnt7b	0	17.3839	inf	0.001	17.3849	14.0855471	0.00018329	Yes
Wnt9a	0.20432	0.072743	-0.131577	0.00674226	Yes	Wnt9a	0	0.616972	inf	0.001	0.617972	9.27139766	0.00018329	Yes
Xylb	0.70983	0.40847	-0.30136	0.00722274	Yes	Xylb	5.08643	57.5374	3.49977	5.08743	57.5384	3.49951616	0.00018329	Yes
Yap1	0.10215	0.044891	-0.057259	0.01448681	Yes	Yap1	0.0191956	27.3285	10.4754	0.0201956	27.3295	10.4022023	0.0409941	Yes
Ybx2	0.52533	0.21633	-0.309	5.49E-08	Yes	Ybx2	0.603979	7.773	3.6859	0.604979	7.774	3.68370014	0.00018329	Yes
Zbtb10	0.15205	0.078122	-0.073928	0.04097311	Yes	Zbtb10	0.408256	1.61639	1.98523	0.409256	1.61739	1.98259212	0.00035173	Yes
Zbtb42	0.8564	0.78115	-0.07525	0.0445679	Yes	Zbtb42	1.79377	5.3034	1.56393	1.79477	5.3044	1.5633906	0.00018329	Yes
Zc3h7b	0.68209	0.49652	-0.18557	0.0006534	Yes	Zc3h7b	13.5827	29.7346	1.13037	13.5837	29.7356	1.13031468	0.00018329	Yes
Zc3hav1	0	0.3305	0.3305	6.50E-07	Yes	Zc3hav1	77.4514	15.0485	-2.36367	77.4524	15.0495	-2.3635944	0.00018329	Yes
Zfp219	0.83097	0.45176	-0.37921	1.43E-08	Yes	Zfp219	15.593	27.9548	0.842196	15.594	27.9558	0.84215659	0.0228125	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Zfp358	0.53543	0.36292	-0.17251	0.0279946	Yes	Zfp358	8.25078	13.1347	0.67078	8.25178	13.1357	0.67071582	0.0339087	Yes
Zfp46	0.83678	0.68398	-0.1528	0.01105145	Yes	Zfp46	1.9827	3.72687	0.9105	1.9837	3.72787	0.91015769	0.00834357	Yes
Zfp629	0.77105	0.44484	-0.32621	0.00152471	Yes	Zfp629	1.43489	6.23187	2.11873	1.43589	6.23287	2.11795139	0.00018329	Yes
Zfp652	0.032897	0.47138	0.438483	7.66E-08	Yes	Zfp652	23.7819	12.4188	-0.937334	23.7829	12.4198	-0.9372827	0.00111812	Yes
Zfp703	0.243	0.10546	-0.13754	0.0023061	Yes	Zfp703	0.983727	5.65963	2.52438	0.984727	5.66063	2.52316691	0.00018329	Yes
Zfp710	0.7939	0.72802	-0.06588	0.00455632	Yes	Zfp710	4.46797	7.62458	0.771039	4.46897	7.62558	0.77090471	0.0375863	Yes
Zfp93	0.14112	0.068567	-0.072553	0.00294427	Yes	Zfp93	0.0812746	1.5023	4.20823	0.0822746	1.5033	4.19154203	0.00530972	Yes
Zkscan5	0.48089	0.32917	-0.15172	0.00625768	Yes	Zkscan5	4.16021	7.10627	0.772436	4.16121	7.10727	0.77229241	0.0110491	Yes
42804	0.030532	0.10404	0.073508	0.0103156	No	42796	50.6827	85.8553	0.760413	50.6837	85.8563	0.76040215	0.00519348	No
42983	0.24367	0.11883	-0.12484	0.01178248	No	42801	85.7988	15.8667	-2.43496	85.7998	15.8677	-2.4348813	0.00018329	No
Aaas	0.1915	0.11784	-0.07366	0.02284827	No	42802	2.27994	20.2169	3.14849	2.28094	20.2179	3.14793275	0.00018329	No
Aatk	0.60622	0.28667	-0.31955	6.98E-06	No	42803	8.83762	15.1974	0.782091	8.83862	15.1984	0.78202641	0.0205807	No
Abca13	0.8131	0.60318	-0.20992	0.00351975	No	42979	437.08	92.7078	-2.23713	437.081	92.7088	-2.2371225	0.0018326	No
Abcb9	0.59689	0.30606	-0.29083	0.00294427	No	42982	0.209386	149.449	9.47927	0.210386	149.45	9.47240848	0.00018329	No
Abcc9	0.091066	0.028936	-0.06213	0.00768781	No	42984	166.786	12.6876	-3.71651	166.787	12.6886	-3.716402	0.00018329	No
Abcf3	0.858	0.80257	-0.05543	0.01098497	No	42985	116.596	39.0318	-1.57879	116.597	39.0328	-1.5787718	0.00018329	No
Abcg4	0.24325	0.088687	-0.154563	0.00955793	No	42986	0.0642941	19.7366	8.26198	0.0652941	19.7376	8.23977822	0.00018329	No
Abhd15	0.082967	0.27363	0.190663	7.28E-10	No	42988	0.0898706	6.66859	6.21339	0.0908706	6.66959	6.19764066	0.0438054	No
Abhd16b	0.97138	0.71048	-0.2609	3.20E-09	No	0610030E20 Rik	18.2378	7.86559	-1.2133	18.2388	7.86659	-1.2132005	0.00290302	No
Acbd7	0.79085	0.69062	-0.10023	0.01448681	No	1100001G20 Rik	0	3.31708	inf	0.001	3.31808	11.696133	0.00018329	No
Acot5	0.19007	0.11017	-0.0799	0.00420619	No	1110034G24 Rik	15.2372	2.2821	-2.73916	15.2382	2.2831	-2.7386265	0.00018329	No
Acta1	0.15295	0.090034	-0.062916	0.00911887	No	1110058L19 Rik	21.9442	57.4583	1.38868	21.9452	57.4593	1.388635	0.00354878	No
Acta2	0.89311	0.3851	-0.50801	6.50E-07	No	1700003E16 Rik	0	0.820854	inf	0.001	0.821854	9.68273832	0.00018329	No
Actn3	0.48409	0.25506	-0.22903	0.00768781	No	1700021F05 Rik	10.4789	29.227	1.47982	10.4799	29.228	1.47972616	0.00018329	No
Actr3b	0.74111	0.533	-0.20811	0.00152471	No	1810037I17 Rik	37.5676	101.803	1.43823	37.5686	101.804	1.43819499	0.00018329	No
Adam32	0.98948	0.93342	-0.05606	0.00046463	No	2200002D01 Rik	0.87554	225.688	8.00994	0.87654	225.689	8.00830046	0.00686277	No
Adam5	0.96095	0.77437	-0.18658	2.79E-05	No	2210018M1 1Rik	9.99832	3.48071	-1.5223	9.99932	3.48171	-1.5220339	0.00018329	No
Adamts14	0.66998	0.41143	-0.25855	0.00102242	No	2310030G06 Rik	1.028	25.2159	4.61642	1.029	25.2169	4.61507604	0.00018329	No
Adamts15	0.17231	0.093108	-0.079202	0.00077922	No	2510002D24 Rik	13.5618	7.60042	-0.835395	13.5628	7.60142	-0.8353142	0.0162458	No
Adamts4	0.60337	0.29222	-0.31115	2.11E-08	No	2610008E11 Rik	7.79959	3.67354	-1.08623	7.80059	3.67454	-1.0860196	0.00051281	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Adamts15	0.12389	0.039476	-0.084414	0.00368736	No	2610528A11Rik	0.623082	3.72565	2.58	0.624082	3.72665	2.57807182	0.00788539	No
Adarb1	0.050976	0.13506	0.084084	0.03032002	No	2700089E24Rik	72.9626	44.7831	-0.704202	72.9636	44.7841	-0.7041903	0.0086849	No
Adat3	0.96101	0.87692	-0.08409	9.35E-05	No	2810408A11Rik	2.55495	13.4028	2.39117	2.55595	13.4038	2.39071055	0.00018329	No
Adcy2	0.0774	0.023393	-0.054007	0.00013988	No	3110052M02Rik	11.1339	2.8073	-1.98771	11.1349	2.8083	-1.9873196	0.00210945	No
Adcy8	0.07355	0.018372	-0.055178	1.43E-07	No	3110057O12Rik	16.0367	3.15409	-2.34609	16.0377	3.15509	-2.3457142	0.00111812	No
Adgre5	0.058072	0.41813	0.360058	6.50E-07	No	4930451G09Rik	0.372556	0.947573	1.34678	0.373556	0.948573	1.34443427	0.0496139	No
Adgrl4	0.20183	0.092557	-0.109273	5.51E-05	No	4930538K18Rik	0.0842407	0.81988	3.28282	0.0852407	0.82088	3.26755699	0.0119236	No
Ado	0.40213	0.24095	-0.16118	0.00768781	No	4933426M11Rik	29.7752	19.7319	-0.593581	29.7762	19.7329	-0.5935567	0.0453771	No
Adprhl1	0.84592	0.67011	-0.17581	1.57E-05	No	4933430I17Rik	0.44225	1.4896	1.75199	0.44325	1.4906	1.74970063	0.0332437	No
Adprhl2	0.8771	0.77088	-0.10622	0.00102242	No	5730508B09Rik	22.3869	8.80632	-1.34604	22.3879	8.80732	-1.3459442	0.00303839	No
Adra1a	0.08648	0.26898	0.1825	3.15E-05	No	5830473C10Rik	0.192553	13.5061	6.13221	0.193553	13.5071	6.12484548	0.00018329	No
Adra1b	0.22846	0.1007	-0.12776	0.00455632	No	6430531B16Rik	0.433741	5.84799	3.75304	0.434741	5.84899	3.74995946	0.00530972	No
Adra2c	0.21663	0.078899	-0.137731	0.00046463	No	9430038I01Rik	17.2389	7.18163	-1.26329	17.2399	7.18263	-1.2631673	0.030294	No
Adrb1	0.15963	0.050396	-0.109234	1.61E-05	No	A330021E22Rik	0	5.64378	inf	0.001	5.64478	12.4627016	0.00018329	No
Agap3	0.073822	0.17494	0.101118	0.00832699	No	A4galt	0	4.83527	inf	0.001	4.83627	12.2396791	0.00018329	No
Ajap1	0.85968	0.80781	-0.05187	0.02028318	No	A4gnt	1.50786	0.153121	-3.29975	1.50886	0.154121	-3.2913236	0.01749	No
Akap17a	0.79903	0.63362	-0.16541	0.00142182	No	A830010M20Rik	2.56993	1.07939	-1.25151	2.57093	1.08039	-1.2507381	0.0018326	No
Aldh1b1	0.046448	0.10611	0.059662	0.00102242	No	Aacs	17.5167	7.36044	-1.25087	17.5177	7.36144	-1.2507535	0.00018329	No
Aldh1l2	0.80853	0.73328	-0.07525	0.01899425	No	Aaed1	1.13212	27.9433	4.62541	1.13312	27.9443	4.62418148	0.00018329	No
Alg3	0.8369	0.66877	-0.16813	0.00104929	No	Aamdc	10.0119	33.2508	1.73167	10.0129	33.2518	1.73157256	0.00018329	No
Alox12b	0.14534	0.081643	-0.063697	0.01349957	No	AAR2	6.03283	10.1332	0.748183	6.03383	10.1342	0.74808625	0.0101506	No
Alox12e	0.66355	0.27899	-0.38456	2.48E-05	No	Aars	21.9435	59.523	1.43965	21.9445	59.524	1.43961208	0.00018329	No
Alox5	0.1299	0.058714	-0.071186	0.00136617	No	Aass	0	30.0172	inf	0.001	30.0182	14.8735498	0.00018329	No
Alpi	0.67626	0.48824	-0.18802	0.01761018	No	AB124611	2.23901	13.3905	2.58028	2.24001	13.3915	2.57974049	0.00018329	No
Alpk3	0.78167	0.64057	-0.1411	1.37E-05	No	Abat	0.600311	6.76432	3.49416	0.601311	6.76532	3.49197492	0.00018329	No
Alx1	0.10795	0.034494	-0.073456	0.00054569	No	Abca2	17.5086	47.8029	1.44904	17.5096	47.8039	1.4489822	0.00018329	No
Amh	0.89308	0.78862	-0.10446	0.00489594	No	ABCA3	11.781	31.0028	1.39594	11.782	31.0038	1.39586059	0.00035173	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Amigo3	0.90253	0.76696	-0.13557	0.00060029	No	Abca5	0.026563	0.698411	4.71659	0.027563	0.699411	4.66533566	0.00970533	No
Amn	0.13564	0.035609	-0.100031	0.00023303	No	Abcb10	3.75347	16.7674	2.15936	3.75447	16.7684	2.15906387	0.00018329	No
Amz2	0.93636	0.8191	-0.11726	5.62E-06	No	Abcb6	2.06274	28.1742	3.77174	2.06374	28.1752	3.77109272	0.00018329	No
Angpt4	0.77628	0.60367	-0.17261	0.01448681	No	Abcc1	8.52063	3.44275	-1.3074	8.52163	3.44375	-1.307149	0.00018329	No
Ank1	0.067679	0.016519	-0.05116	2.05E-06	No	ABCC4	4.06097	24.1087	2.56965	4.06197	24.1097	2.56936221	0.00018329	No
Ankef1	0.55072	0.45774	-0.09298	0.04680399	No	Abcc5	39.4466	20.9173	-0.915205	39.4476	20.9183	-0.9151719	0.0263234	No
Ankrd23	0.79795	0.45587	-0.34208	0.00014754	No	Abcc6	0	2.79134	inf	0.001	2.79234	11.4472589	0.00018329	No
Ankrd34a	0.12162	0.05998	-0.06164	0.00057636	No	Abcc8	0	1.75334	inf	0.001	1.75434	10.7767127	0.00018329	No
Ankrd34b	0.073269	0.019904	-0.053365	0.00031102	No	Abcd3	13.2768	24.9224	0.908534	13.2778	24.9234	0.90848477	0.00140841	No
Ankrd55	0.75632	0.65614	-0.10018	0.03863139	No	Abce1	29.0227	16.0155	-0.857712	29.0237	16.0165	-0.8576725	0.00111812	No
Ankrd65	0.87571	0.25376	-0.62195	4.30E-12	No	Abcg1	27.9471	13.567	-1.0426	27.9481	13.568	-1.0425421	0.00018329	No
Ankrd9	0.903	0.72281	-0.18019	9.28E-08	No	Abcg2	0.0688162	6.15961	6.48395	0.0698162	6.16061	6.46336756	0.00018329	No
Ano4	0.10928	0.03687	-0.07241	0.00196002	No	Abhd10	13.9359	7.21086	-0.950558	13.9369	7.21186	-0.9504664	0.034649	No
Ap1g1	0.80475	0.61234	-0.19241	0.01105145	No	Abhd11	16.5525	28.2808	0.772778	16.5535	28.2818	0.77273766	0.0122333	No
Ap1s3	0.90925	0.63045	-0.2788	3.42E-09	No	Abhd12	12.2328	34.1973	1.48313	12.2338	34.1983	1.48305201	0.00018329	No
Apba1	0.23619	0.12519	-0.111	1.37E-05	No	Abhd14a	3.08012	26.5137	3.10568	3.08112	26.5147	3.10526565	0.00051281	No
Apc2	0.68798	0.33505	-0.35293	0.00019103	No	Abhd14b	0.93361	102.118	6.7732	0.93461	102.119	6.77167113	0.00018329	No
Apob	0.83215	0.43623	-0.39592	6.35E-06	No	Abhd17b	17.5371	8.9917	-0.96374	17.5381	8.9927	-0.9636662	0.00018329	No
Apod	0.73258	0.50462	-0.22796	0.00368736	No	Abhd17c	23.7421	61.2156	1.36645	23.7431	61.2166	1.36641461	0.00018329	No
Aqp1	0.78049	0.41711	-0.36338	0.00037654	No	Abhd3	0.141291	5.16608	5.19233	0.142291	5.16708	5.1824329	0.00018329	No
Aqp5	0.17651	0.107	-0.06951	0.00256829	No	Abhd4	14.1015	45.7583	1.69819	14.1025	45.7593	1.69811405	0.00018329	No
Aqp8	0.57213	0.48798	-0.08415	0.04097311	No	Abhd5	6.57679	16.5063	1.32756	6.57779	16.5073	1.32742931	0.00018329	No
Arfgap1	0.39835	0.19023	-0.20812	2.84E-05	No	Abi1	65.8165	18.8787	-1.80169	65.8175	18.8797	-1.8016354	0.00018329	No
Arhgap27	0.77498	0.44431	-0.33067	8.08E-07	No	Abi2	1.42511	4.68309	1.71638	1.42611	4.68409	1.71568353	0.00018329	No
Arhgap30	0.00475	0.45142	0.44667	6.50E-07	No	Abi3	20.6356	42.2412	1.03352	20.6366	42.2422	1.03347968	0.0226206	No
Arhgef16	0.25089	0.11381	-0.13708	0.00575049	No	Abi3bp	0	2.13643	inf	0.001	2.13743	11.0616615	0.00018329	No
Arhgef2	0.0049205	0.18989	0.1849695	3.06E-06	No	Ablim1	157.397	50.4023	-1.64284	157.398	50.4033	-1.6428271	0.00018329	No
Arhgef7	0.77498	0.71383	-0.06115	0.03521493	No	Ablim2	0.0836479	0.692856	3.05015	0.0846479	0.693856	3.0350901	0.0440856	No
Arid3a	0.86758	0.69922	-0.16836	1.00E-09	No	Ablim3	0	15.8126	inf	0.001	15.8136	13.9488782	0.00018329	No
Arl9	0.80714	0.74929	-0.05785	0.00786631	No	Abr	21.7497	11.4246	-0.928857	21.7507	11.4256	-0.9287919	0.00018329	No
Armc3	0.32474	0.53258	0.20784	0.01527608	No	Abracl	365.524	100.82	-1.85818	365.525	100.821	-1.8581739	0.00018329	No
Armcx6	0.95968	0.90815	-0.05153	0.04680399	No	Abt1	41.6117	16.7127	-1.31605	41.6127	16.7137	-1.3159928	0.00018329	No
Arpin	0.77202	0.3296	-0.44242	0.00142182	No	Abtb2	13.9832	3.28434	-2.09002	13.9842	3.28534	-2.0896831	0.00018329	No
Arsi	0.13098	0.25173	0.12075	0.02284827	No	Acaa1a	26.4664	54.2192	1.03464	26.4674	54.2202	1.03461395	0.00066911	No
Art1	0.78614	0.61024	-0.1759	1.89E-05	No	Acaa2	40.9998	112.48	1.45598	41.0008	112.481	1.45595736	0.00018329	No
Asb10	0.45887	0.18398	-0.27489	0.0017951	No	Acacb	0.122551	52.2585	8.73614	0.123551	52.2595	8.72444282	0.00018329	No
Ascl1	0.11365	0.042475	-0.071175	0.00046463	No	Acad10	4.78668	13.077	1.44994	4.78768	13.078	1.44974329	0.00018329	No
Asic2	0.80394	0.74067	-0.06327	0.04361089	No	Acad11	2.89688	22.184	2.93695	2.89788	22.185	2.93651479	0.00018329	No
Asic3	0.70714	0.45491	-0.25223	0.00625768	No	Acadl	35.3886	104.742	1.56549	35.3896	104.743	1.56545647	0.00018329	No
Asic4	0.4166	0.5867	0.1701	0.00455632	No	Acadm	50.9337	156.494	1.61942	50.9347	156.495	1.61939581	0.00018329	No
Asna1	0.55947	0.45578	-0.10369	5.51E-05	No	Acads	16.5924	33.774	1.02539	16.5934	33.775	1.02534624	0.00018329	No
Asphd2	0.38298	0.18601	-0.19697	0.00389531	No	Acadsb	1.79866	12.5574	2.80355	1.79966	12.5584	2.80285639	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Atcay	0.79197	0.66848	-0.12349	0.01178248	No	Acadvl	35.1775	79.6895	1.17973	35.1785	79.6905	1.17971378	0.00018329	No
Atf7ip2	0.10285	0.035613	-0.067237	0.0001006	No	Acap1	511.245	246.478	-1.05255	511.246	246.479	-1.0525529	0.00393885	No
Atp2c2	0.22025	0.082512	-0.137738	0.0031273	No	Acap2	8.1965	4.4556	-0.879388	8.1975	4.4566	-0.8792405	0.0132293	No
Atp6v1g2	0.10659	0.039003	-0.067587	0.00034148	No	Acat1	62.7069	284.623	2.18236	62.7079	284.624	2.18233821	0.00018329	No
Aurkc	0.86003	0.77296	-0.08707	1.76E-05	No	Ace2	0	1.19949	inf	0.001	1.20049	10.2294077	0.00018329	No
Azin2	0.30121	0.56043	0.25922	0.00019103	No	Ace3	0	1.2699	inf	0.001	1.2709	10.3116348	0.00018329	No
B3galt4	0.0052083	0.12924	0.1240317	1.76E-05	No	Acer3	4.28703	9.79746	1.19243	4.28803	9.79846	1.19224002	0.0108214	No
B3gnt3	0.46949	0.1986	-0.27089	0.00294427	No	Acly	62.0048	37.0538	-0.742758	62.0058	37.0548	-0.7427427	0.0302128	No
B3gnt8	0.74674	0.52413	-0.22261	0.0103156	No	Acn9	11.3365	44.811	1.98288	11.3375	44.812	1.98278257	0.00018329	No
B4galt2	0.012176	0.086446	0.07427	0.00025534	No	Aco1	6.79575	75.054	3.46523	6.79675	75.055	3.46503122	0.00018329	No
B4gat1	0.26721	0.098017	-0.169193	0.00060029	No	Aco2	41.297	167.082	2.01645	41.298	167.083	2.01642113	0.00018329	No
Bace1	0.21543	0.066529	-0.148901	0.00832699	No	Acot1	15.836	45.4941	1.52248	15.837	45.4951	1.5224121	0.00018329	No
Bace2	0.1293	0.044527	-0.084773	5.51E-05	No	Acot13	8.89698	55.9922	2.65384	8.89798	55.9932	2.65370187	0.00018329	No
Bag3	0.32445	0.073239	-0.251211	2.48E-05	No	Acot7	175.004	48.1915	-1.86054	175.005	48.1925	-1.8605156	0.00018329	No
Barhl1	0.21311	0.11356	-0.09955	0.03032002	No	Acox1	10.5555	50.0834	2.24634	10.5565	50.0844	2.24622972	0.00018329	No
Bbs7	0.12676	0.049751	-0.077009	5.12E-05	No	Acox3	8.13048	12.9585	0.672486	8.13148	12.9595	0.67242019	0.0166578	No
Bcan	0.094234	0.027075	-0.067159	0.00420619	No	Acp2	4.67794	25.1156	2.42464	4.67894	25.1166	2.42438755	0.00126492	No
Bcas1	0.90697	0.78977	-0.1172	0.00405617	No	Acpl2	18.0488	8.96654	-1.00928	18.0498	8.96754	-1.0091987	0.00051281	No
Bcdin3d	0.011203	0.23215	0.220947	1.76E-08	No	Acsf3	4.60109	37.8926	3.04187	4.60209	37.8936	3.0415931	0.00018329	No
Bckdk	0.93867	0.54426	-0.39441	7.19E-07	No	Acsl3	4.22562	10.1358	1.26222	4.22662	10.1368	1.26202598	0.00066911	No
Bcl6b	0.83303	0.71657	-0.11646	2.77E-05	No	Acsl4	6.28594	16.5532	1.39691	6.28694	16.5542	1.39676739	0.00018329	No
Bcor	0.053475	0.388	0.334525	3.91E-05	No	Acsm1	0	4.23543	inf	0.001	4.23643	12.0486333	0.00018329	No
Bdnf	0.13354	0.056197	-0.077343	0.00019103	No	Acsm2a	0	57.2526	inf	0.001	57.2536	15.8050788	0.00018329	No
Bex3	0.066515	0.4006	0.334085	0.00060029	No	Acsm3	0.0350347	35.7776	9.99606	0.0360347	35.7786	9.95549439	0.0359108	No
Bfsp1	0.31293	0.20381	-0.10912	0.02284827	No	ACSM5	0	2.61835	inf	0.001	2.61935	11.3549931	0.00018329	No
Bhlha15	0.97625	0.74583	-0.23042	1.12E-06	No	Acss2	3.90632	41.5474	3.41087	3.90732	41.5484	3.4105416	0.00018329	No
Bhlhe23	0.10555	0.034221	-0.071329	0.00832699	No	Acss3	0	13.2109	inf	0.001	13.2119	13.6895503	0.00018329	No
Bik	0.024487	0.10788	0.083393	0.00085417	No	Actg1	586.829	1126.14	0.940367	586.83	1126.141	0.94037294	0.010379	No
Bmi1	0.041872	0.11649	0.074618	6.51E-08	No	Actn4	63.673	118.621	0.897611	63.674	118.622	0.8975953	0.0016929	No
Bmp8a	0.23121	0.14001	-0.0912	0.02412126	No	Actr1b	15.4408	24.0976	0.642143	15.4418	24.0986	0.6421084	0.0195672	No
Bmyc	0.086646	0.031413	-0.055233	0.00037654	No	Actr2	191.651	55.233	-1.79488	191.652	55.234	-1.7948605	0.00035173	No
Bnc1	0.12794	0.051944	-0.075996	0.00625768	No	Actr3	456.873	121.047	-1.91623	456.874	121.048	-1.9162171	0.00018329	No
Boll	0.15814	0.10107	-0.05707	0.00389531	No	Acvr1	0.104308	7.86558	6.23664	0.105308	7.86658	6.22304962	0.0036827	No
Borcs6	0.77787	0.41378	-0.36409	0.00012584	No	Acvr1b	5.95879	15.108	1.34222	5.95979	15.109	1.34207478	0.00018329	No
Borcs7	0.7024	0.44408	-0.25832	0.00012584	No	Acvrl1	0.0398566	3.18458	6.32014	0.0408566	3.18558	6.28484311	0.0130082	No
Bpifb3	0.93467	0.77188	-0.16279	1.61E-05	No	Acy1	19.4984	204.899	3.39349	19.4994	204.9	3.39341835	0.00018329	No
Brpf3	0.93308	0.87131	-0.06177	1.76E-05	No	Acyp2	0.218923	6.62874	4.92024	0.219923	6.62974	4.9138819	0.00018329	No
Btbd16	0.58992	0.30156	-0.28836	3.48E-05	No	Ada	25.9211	10.7812	-1.2656	25.9221	10.7822	-1.265531	0.00018329	No
C1q1	0.21585	0.073126	-0.142724	0.01761018	No	Adam10	62.9613	15.1578	-2.0544	62.9623	15.1588	-2.0543327	0.00018329	No
C1q12	0.13692	0.037587	-0.099333	0.00060029	No	Adam19	59.7424	4.77871	-3.64406	59.7434	4.77971	-3.6437844	0.00018329	No
C1qtnf5	0.92115	0.58168	-0.33947	2.75E-06	No	Adam22	0	0.666936	inf	0.001	0.667936	9.38356606	0.00018329	No
C1qtnf9	0.85374	0.74959	-0.10415	0.00489594	No	Adam28	0	1.57192	inf	0.001	1.57292	10.6192296	0.00937155	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
C2cd4c	0.84958	0.36173	-0.48785	3.77E-12	No	Adam33	0	1.27802	inf	0.001	1.27902	10.3208231	0.00018329	No
Cacna1b	0.15015	0.035386	-0.114764	0.00013988	No	Adam6	0.600014	0.0569397	-3.39749	0.601014	0.0579397	-3.3747745	0.0114728	No
Cacna1e	0.33762	0.20245	-0.13517	0.00011255	No	Adam8	5.21205	2.59164	-1.00799	5.21305	2.59264	-1.0077058	0.00948282	No
Cacna1i	0.86636	0.36931	-0.49705	2.29E-09	No	Adam9	1.85063	8.38741	2.18021	1.85163	8.38841	2.17960154	0.00018329	No
Cacna2d1	0.18409	0.078295	-0.105795	0.01761018	No	Adamts1	0	13.2552	inf	0.001	13.2562	13.6943797	0.00018329	No
Cacng2	0.23545	0.11443	-0.12102	0.00076068	No	Adamts10	55.5754	26.1066	-1.09003	55.5764	26.1076	-1.0900025	0.00698138	No
Cadm4	0.26634	0.46055	0.19421	0.00054569	No	Adamts16	0	1.40226	inf	0.001	1.40326	10.4545666	0.0186283	No
Calb1	0.091901	0.025669	-0.066232	0.00040512	No	Adamts9	0	0.734374	inf	0.001	0.735374	9.52233436	0.00018329	No
Calb2	0.20624	0.079452	-0.126788	6.50E-07	No	Adamts11	0	1.14809	inf	0.001	1.14909	10.1662761	0.00018329	No
Calhm1	0.8646	0.50852	-0.35608	1.28E-09	No	Adap1	0.98513	17.5864	4.158	0.98613	17.5874	4.15662056	0.00018329	No
Calhm3	0.76717	0.6724	-0.09477	0.04893199	No	Adar	30.9526	17.4383	-0.827797	30.9536	17.4393	-0.8277651	0.00891798	No
Capn12	0.97447	0.75008	-0.22439	9.79E-07	No	Adat2	25.2342	4.92554	-2.35703	25.2352	4.92654	-2.3567908	0.00018329	No
Capn3	0.83729	0.73013	-0.10716	0.00351975	No	Adc	0	2.69525	inf	0.001	2.69625	11.3967386	0.00018329	No
Car5a	0.71401	0.59984	-0.11417	0.03275343	No	Adck1	4.86555	10.38	1.09313	4.86655	10.381	1.09297414	0.00494262	No
Car9	0.32339	0.14684	-0.17655	0.01448681	No	Adck4	15.0453	28.2948	0.911228	15.0463	28.2958	0.91117917	0.0146209	No
Carkd	0.7156	0.33047	-0.38513	2.67E-05	No	Adcy4	1.2048	10.247	3.08834	1.2058	10.248	3.08727984	0.00051281	No
Cartpt	0.26527	0.11335	-0.15192	0.02535502	No	Adcy7	46.2026	14.3123	-1.69072	46.2036	14.3133	-1.6906489	0.0127876	No
Cass4	0.0012977	0.11709	0.1157923	2.74E-07	No	Add1	210.822	127.793	-0.722214	210.823	127.794	-0.7222122	0.0309526	No
Cav3	0.90552	0.51863	-0.38689	9.79E-07	No	Add3	190.457	27.4124	-2.79656	190.458	27.4134	-2.7965197	0.00018329	No
Cbln1	0.11923	0.053771	-0.065459	4.53E-06	No	Adh1	0	19.3593	inf	0.001	19.3603	14.2408137	0.00018329	No
Ccdc105	0.49066	0.12221	-0.36845	5.62E-06	No	Adh5	87.6948	58.1102	-0.5937	87.6958	58.1112	-0.5936915	0.0250354	No
Ccdc166	0.72377	0.51733	-0.20644	6.69E-05	No	Adhfe1	0.0917833	46.0882	8.97195	0.0927833	46.0892	8.95634785	0.00018329	No
Ccdc184	0.16655	0.071526	-0.095024	0.00368736	No	Adi1	28.1672	95.4212	1.7603	28.1682	95.4222	1.76025757	0.00018329	No
Ccdc185	0.88404	0.81027	-0.07377	0.01621946	No	Adipoq	0.0853795	2.31312	4.75981	0.0863795	2.31412	4.7436309	0.0135584	No
Ccdc24	0.58116	0.2852	-0.29596	2.48E-05	No	Adipor1	45.9126	112.416	1.29188	45.9136	112.417	1.29186676	0.00018329	No
Ccdc67	0.48409	0.22726	-0.25683	1.61E-05	No	Adm2	0	13.3272	inf	0.001	13.3282	13.7021943	0.00018329	No
Ccdc7	0.85097	0.76678	-0.08419	0.00275507	No	Adora1	0	4.052	inf	0.001	4.053	11.9847745	0.00018329	No
Ccdc89	0.32473	0.14008	-0.18465	5.51E-05	No	Adpgk	14.5965	7.34262	-0.991253	14.5975	7.34362	-0.991158	0.0431009	No
Ccer1	0.72007	0.85325	0.13318	0.00025534	No	Adprh	44.0136	24.6574	-0.83593	44.0146	24.6584	-0.835903	0.0026435	No
Ccl27	0.23265	0.097056	-0.135594	0.00027275	No	Adprm	30.8129	16.8231	-0.873091	30.8139	16.8241	-0.873052	0.00445502	No
Ccl28	0.7162	0.53306	-0.18314	0.03275343	No	Adrb2	1.58216	0.611752	-1.37088	1.58316	0.612752	-1.3694319	0.0468163	No
Cd164l2	0.50959	0.21032	-0.29927	6.50E-07	No	Adrbk1	136.237	33.4803	-2.02473	136.238	33.4813	-2.0247017	0.00018329	No
Cd244	0.94921	0.87998	-0.06923	0.00868315	No	Adrm1	60.4824	88.8348	0.554609	60.4834	88.8358	0.55460195	0.0446289	No
Cd248	0.77138	0.39613	-0.37525	1.12E-06	No	Adtrp	0.110681	6.76361	5.93332	0.111681	6.76461	5.92055109	0.0248275	No
Cd300lb	0.77419	0.70631	-0.06788	0.00894698	No	Aebp2	15.2456	10.4192	-0.549141	15.2466	10.4202	-0.5491046	0.0433593	No
Cd72	0.096202	0.21952	0.123318	0.01761018	No	Afap111	0.0617379	12.9331	7.71069	0.0627379	12.9341	7.68762672	0.00051281	No
Cdh13	0.56483	0.29203	-0.2728	1.01E-05	No	Afg3l1	12.5566	28.7345	1.19434	12.5576	28.7355	1.19427339	0.0122333	No
Cdh22	0.097293	0.025272	-0.072021	4.94E-08	No	Afm	0	21.0692	inf	0.001	21.0702	14.3629164	0.00018329	No
Cdh8	0.17573	0.068398	-0.107332	4.67E-05	No	Afmid	0.793348	21.3108	4.74749	0.794348	21.3118	4.74573745	0.00018329	No
Cdk5r1	0.28205	0.17073	-0.11132	0.01098497	No	Agap1	5.02966	15.3771	1.61225	5.03066	15.3781	1.61205767	0.00018329	No
Cdk5r2	0.094228	0.030252	-0.063976	0.00043712	No	Agbl2	0.171382	0.598337	1.80375	0.172382	0.599337	1.7977583	0.0214018	No
Ceacam16	0.78461	0.56791	-0.2167	0.0017951	No	Agbl3	9.79725	30.2144	1.62479	9.79825	30.2154	1.62468803	0.00224282	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ceacam4	0.96237	0.84684	-0.11553	2.79E-05	No	Agfg2	11.055	22.6958	1.03773	11.056	22.6968	1.03765939	0.00018329	No
Cebpe	0.88327	0.64988	-0.23339	8.39E-11	No	Ago1	17.4611	8.31614	-1.07016	17.4621	8.31714	-1.0700676	0.00018329	No
Cela1	0.020833	0.13124	0.110407	5.22E-12	No	Ago2	4.37394	1.57131	-1.47696	4.37494	1.57231	-1.4763775	0.00035173	No
Celf4	0.12416	0.036055	-0.088105	0.00542685	No	Agpat2	1.49544	25.6021	4.09762	1.49644	25.6031	4.09671216	0.00018329	No
Celf6	0.097624	0.035411	-0.062213	0.00256829	No	Agpat4	2.61408	12.7522	2.28637	2.61508	12.7532	2.2859323	0.00018329	No
Celsr3	0.082598	0.030143	-0.052455	2.31E-06	No	Agpat9	0.177203	4.48257	4.66085	0.178203	4.48357	4.65305439	0.00018329	No
Cep131	0.78372	0.56185	-0.22187	0.00256829	No	Agrn	1.33657	43.8956	5.03747	1.33757	43.8966	5.0364229	0.00018329	No
Cep63	0.091866	0.022392	-0.069474	0.00625768	No	Agrp	0.432907	2.00421	2.21091	0.433907	2.00521	2.20829557	0.0238252	No
Cers4	0.0018018	0.072836	0.0710342	9.14E-07	No	Agt	0.128009	4.48947	5.13223	0.129009	4.49047	5.12132283	0.0219099	No
Cfb	0.78247	0.48366	-0.29881	0.00054569	No	Agtpbp1	4.18533	15.0852	1.84972	4.18633	15.0862	1.84947151	0.00481718	No
Cgref1	0.68615	0.50278	-0.18337	0.02028318	No	Agtr1a	0	3.94256	inf	0.001	3.94356	11.9452829	0.00018329	No
Chad	0.89859	0.79139	-0.1072	3.34E-06	No	Agtrap	8.53719	34.9043	2.03157	8.53819	34.9053	2.03144394	0.00018329	No
Chchd2	0.69467	0.43395	-0.26072	0.00368736	No	Agxt2	0	81.9384	inf	0.001	81.9394	16.3222697	0.00018329	No
Chchd5	0.13351	0.059643	-0.073867	0.01761018	No	Ahctf1	12.5371	7.82377	-0.680268	12.5381	7.82477	-0.6801985	0.0190448	No
Chd5	0.025747	0.012305	-0.013442	0.00405617	No	Ahcyl2	8.31921	23.2784	1.48447	8.32021	23.2794	1.48436203	0.00018329	No
Chml	0.8306	0.78024	-0.05036	0.0422999	No	Ahdc1	8.4349	19.758	1.228	8.4359	19.759	1.22789604	0.0264199	No
Chrd	0.031433	0.20884	0.177407	1.80E-09	No	Ahsa1	109.03	75.6922	-0.526512	109.031	75.6932	-0.5265028	0.0487801	No
Chrdl2	0.15444	0.083657	-0.070783	0.03521493	No	Al429214	0.754638	2.14705	1.5085	0.755638	2.14805	1.50726042	0.0354586	No
Chrm4	0.086258	0.041898	-0.04436	0.01899425	No	Al462493	59.0997	114.906	0.959235	59.1007	114.907	0.95921956	0.00097029	No
Chrna10	0.79918	0.6792	-0.11998	0.00083683	No	Al467606	67.6994	23.6492	-1.51735	67.7004	23.6502	-1.517312	0.00856745	No
Chrna4	0.29699	0.15626	-0.14073	0.00768781	No	Aida	23.9356	16.3829	-0.546969	23.9366	16.3839	-0.5469394	0.0473671	No
Chst3	0.77551	0.84594	0.07043	0.00334228	No	Aif1	1.91488	108.927	5.82997	1.91588	108.928	5.82922384	0.00432763	No
Chst5	0.087088	0.028051	-0.059037	0.00120161	No	Aif1l	0.0819112	220.859	11.3968	0.0829112	220.86	11.3792775	0.00018329	No
Cilp2	0.10979	0.05167	-0.05812	0.00663046	No	Aifm1	37.568	69.1641	0.880518	37.569	69.1651	0.88050154	0.00251301	No
Cistr	0.022998	0.10356	0.080562	0.00011533	No	Aifm2	0.521934	3.45243	2.72567	0.522934	3.45343	2.7233292	0.00035173	No
Ciz1	0.58222	0.39548	-0.18674	0.03863139	No	Aim1	2.19476	0.902846	-1.28151	2.19576	0.903846	-1.2805715	0.00082046	No
Ckm	0.70893	0.3335	-0.37543	0.0001006	No	Aim1l	0.548759	1.867	1.76648	0.549759	1.868	1.76462323	0.00018329	No
Cldn1	0.09198	0.027823	-0.064157	0.00108973	No	Aim2	32.6112	8.71111	-1.90444	32.6122	8.71211	-1.9043177	0.00018329	No
Cldn3	0.11425	0.036688	-0.077562	0.00275507	No	Ak3	75.3958	168.661	1.16157	75.3968	168.662	1.16155977	0.0031651	No
Cldn7	0.13915	0.052119	-0.087031	0.00275507	No	Ak4	0.0482136	34.3479	9.47657	0.0492136	34.3489	9.44699113	0.00111812	No
Cldn8	0.86709	0.75051	-0.11658	0.00164763	No	Akap1	3.88403	9.65498	1.31372	3.88503	9.65598	1.31349695	0.00018329	No
Cldnd1	0.84698	0.75697	-0.09001	0.00768781	No	Akap10	10.2711	5.42416	-0.921125	10.2721	5.42516	-0.9209936	0.00799878	No
Clec4f	0.78549	0.66305	-0.12244	0.03275343	No	Akap13	41.2611	13.5624	-1.60517	41.2621	13.5634	-1.6050984	0.00018329	No
Clps	0.70752	0.39785	-0.30967	3.77E-12	No	Akap17b	11.1646	2.45793	-2.18342	11.1656	2.45893	-2.1829582	0.00018329	No
Cluap1	0.88587	0.76428	-0.12159	0.00768781	No	Akap2	4.03757	23.6915	2.55281	4.03857	23.6925	2.55251399	0.00018329	No
Clvs2	0.29475	0.15903	-0.13572	0.03275343	No	Akap7	2.19386	6.87065	1.64697	2.19486	6.87165	1.64652764	0.00018329	No
Cnksr1	0.29092	0.10236	-0.18856	4.92E-10	No	Akap8	82.6706	43.2782	-0.933734	82.6716	43.2792	-0.933718	0.00051281	No
Cnn1	0.090037	0.033818	-0.056219	0.00017122	No	Akap8l	105.213	68.1697	-0.626105	105.214	68.1707	-0.626103	0.0244274	No
Cnnm1	0.20746	0.13014	-0.07732	0.00022961	No	Akirin1	62.2019	19.7773	-1.65311	62.2029	19.7783	-1.6530634	0.00018329	No
Cntnap4	0.23158	0.080519	-0.151061	9.35E-05	No	Akr1a1	216.987	381.485	0.814021	216.988	381.486	0.81401485	0.00393885	No
Col11a2	0.37729	0.26139	-0.1159	0.00019103	No	Akr1b1	97.8345	57.8585	-0.757814	97.8355	57.8595	-0.7578042	0.0026435	No
Col16a1	0.3801	0.12202	-0.25808	2.78E-09	No	Akr1b10	0	0.633341	inf	0.001	0.634341	9.30911478	0.00902869	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Col26a1	0.23479	0.11798	-0.11681	0.00031102	No	Akr1c1	0	15.3491	inf	0.001	15.3501	13.9059604	0.00018329	No
Col5a3	0.21637	0.081774	-0.134596	9.79E-07	No	Akr1c12	0	1.91309	inf	0.001	1.91409	10.902443	0.00018329	No
Col7a1	0.27881	0.11201	-0.1668	4.05E-06	No	Akr1c12l1	0	65.0083	inf	0.001	65.0093	15.9883585	0.00018329	No
Col9a2	0.10422	0.033766	-0.070454	0.00256829	No	Akr1e2	1.33446	28.8127	4.43238	1.33546	28.8137	4.43134626	0.00018329	No
Commd5	0.59499	0.35611	-0.23888	0.0023061	No	Akr7a2	24.5413	134.81	2.45765	24.5423	134.811	2.45759586	0.00018329	No
Cort	0.75012	0.55202	-0.1981	0.02284827	No	Akr7a3	2.56841	77.5016	4.91528	2.56941	77.5026	4.91473569	0.00251301	No
Cox6b2	0.91372	0.59193	-0.32179	3.07E-10	No	Akt2	49.8521	27.2677	-0.870463	49.8531	27.2687	-0.8704373	0.00066911	No
Cpeb1	0.27493	0.083532	-0.191398	0.00034148	No	Akt3	13.2078	3.27197	-2.01316	13.2088	3.27297	-2.0128271	0.00140841	No
Cplx1	0.12068	0.059417	-0.061263	2.31E-05	No	Aktip	9.96599	155.213	3.96109	9.96699	155.214	3.960957	0.00111812	No
Cpne6	0.73555	0.32114	-0.41441	9.72E-06	No	Alad	6.2011	45.3581	2.87076	6.2021	45.3591	2.87056332	0.00018329	No
Cpne9	0.18903	0.070841	-0.118189	3.91E-05	No	Alas1	7.76356	43.5799	2.48887	7.76456	43.5809	2.48871991	0.00018329	No
Cpxm2	0.14578	0.064087	-0.081693	0.00294427	No	Alcam	0.365449	7.19242	4.29873	0.366449	7.19342	4.29499351	0.00018329	No
Crabp2	0.65689	0.30392	-0.35297	5.90E-05	No	Aldh16a1	13.6175	37.0033	1.44219	13.6185	37.0043	1.44212512	0.00018329	No
Cracr2b	0.17598	0.039373	-0.136607	0.03863139	No	Aldh18a1	8.81647	3.43795	-1.35865	8.81747	3.43895	-1.3583966	0.00018329	No
Crb2	0.54601	0.24736	-0.29865	4.58E-09	No	Aldh1a1	0	159.026	inf	0.001	159.027	17.2789122	0.00018329	No
Creb3l4	0.93559	0.44819	-0.4874	6.50E-07	No	Aldh1a2	0	13.5122	inf	0.001	13.5132	13.7220817	0.00018329	No
Crhr1	0.11948	0.032898	-0.086582	1.54E-08	No	Aldh1l1	0	71.6456	inf	0.001	71.6466	16.1286106	0.00018329	No
Crlf2	0.024663	0.17834	0.153677	8.72E-07	No	ALDH2	79.7799	52.2972	-0.60929	79.7809	52.2982	-0.6092821	0.0208908	No
Crnde	0.096981	0.04299	-0.053991	0.00060029	No	Aldh3b1	0.135612	1.62949	3.58686	0.136612	1.63049	3.57714947	0.0325782	No
Crtac1	0.069488	0.027274	-0.042214	0.00116936	No	Aldh5a1	1.46641	8.35734	2.51075	1.46741	8.35834	2.50994442	0.00018329	No
Crygn	0.67063	0.50294	-0.16769	0.00054569	No	Aldh6a1	6.83973	68.7295	3.32892	6.84073	68.7305	3.32872826	0.00018329	No
Crygs	0.79261	0.31101	-0.4816	9.35E-05	No	Aldh7a1	0.884573	82.6675	6.5462	0.885573	82.6685	6.54458266	0.00018329	No
Csmd1	0.13301	0.061664	-0.071346	0.00120161	No	Aldh9a1	35.0603	76.9145	1.13342	35.0613	76.9155	1.13339487	0.00277264	No
Cspg4	0.273	0.18376	-0.08924	0.00722274	No	Alg10	23.5914	8.62949	-1.45091	23.5924	8.63049	-1.4508078	0.00018329	No
Cspg5	0.92441	0.69925	-0.22516	1.26E-05	No	Alg14	7.18	15.6677	1.12574	7.181	15.6687	1.12562882	0.00082046	No
Cstf2t	0.78436	0.44583	-0.33853	0.00028052	No	Alg9	3.5268	10.1025	1.51828	3.5278	10.1035	1.51801447	0.00018329	No
Ctnna2	0.080822	0.028882	-0.05194	0.00768781	No	Alkbh1	16.438	5.11156	-1.6852	16.439	5.11256	-1.6850048	0.0139848	No
Ctsa	0.22624	0.082223	-0.144017	0.04097311	No	Alkbh2	11.3768	20.8349	0.872908	11.3778	20.8359	0.87284979	0.0197773	No
Cttn	0.58551	0.18904	-0.39647	0.00021046	No	Alkbh4	18.8075	5.97115	-1.65523	18.8085	5.97215	-1.6550625	0.00018329	No
Cubn	0.76218	0.3585	-0.40368	1.89E-05	No	Alkbh8	1.54639	0.467036	-1.7273	1.54739	0.468036	-1.7251454	0.00822601	No
Cux2	0.26588	0.14175	-0.12413	0.0100756	No	Alms1	8.6421	5.15464	-0.745511	8.6431	5.15564	-0.7453973	0.0184137	No
Cyb561d1	0.86144	0.73956	-0.12188	0.02284827	No	Alox12	0.431108	3.85627	3.16108	0.432108	3.85727	3.15811629	0.00018329	No
Cyp2d5	0.91753	0.80068	-0.11685	0.0006534	No	Alox5ap	1.06872	14.6145	3.77344	1.06972	14.6155	3.77219406	0.00018329	No
Cyp2t1	0.19643	0.09282	-0.10361	0.00031102	No	Aloxe3	0	0.73819	inf	0.001	0.73919	9.52980143	0.00018329	No
Cyp4x1	0.071369	0.16326	0.091891	0.00040512	No	Alpl	0.159636	15.1855	6.57177	0.160636	15.1865	6.56285035	0.00018329	No
Cyr61	0.63321	0.4176	-0.21561	0.00025534	No	Als2	1.01779	4.34756	2.09477	1.01879	4.34856	2.09368104	0.00018329	No
Cysrt1	0.33812	0.083089	-0.255031	2.42E-06	No	Amacr	8.76006	46.4523	2.40674	8.76106	46.4533	2.40660375	0.00018329	No
Cyth2	0.93628	0.51743	-0.41885	2.21E-11	No	Ambp	0	12.4331	inf	0.001	12.4341	13.6020145	0.00018329	No
Dact2	0.42047	0.25854	-0.16193	0.00136617	No	Amd1	20.3479	43.5088	1.09643	20.3489	43.5098	1.09638958	0.00018329	No
Dagla	0.18971	0.082589	-0.107121	0.00128825	No	Amica1	11.1184	5.20659	-1.09454	11.1194	5.20759	-1.0943912	0.00354878	No
Daxx	0.88829	0.55649	-0.3318	4.28E-12	No	Ammecr1	2.83813	0.575067	-2.30314	2.83913	0.576067	-2.3011404	0.00732142	No
Dazl	0.92534	0.80136	-0.12398	1.37E-05	No	Amotl1	0.148922	2.48898	4.06293	0.149922	2.48998	4.05385015	0.00126492	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dbx1	0.18523	0.074992	-0.110238	0.00012321	No	Amt	15.2672	40.0839	1.39258	15.2682	40.0849	1.39252889	0.00018329	No
Dcdc2c	0.80861	0.73531	-0.0733	0.00028052	No	Amz1	0.324553	2.54344	2.97026	0.325553	2.54444	2.96638383	0.00018329	No
Ddo	0.75312	0.42487	-0.32825	6.50E-07	No	Anapc10	14.257	6.81062	-1.06582	14.258	6.81162	-1.0657018	0.00018329	No
Ddx39b	0.16404	0.054227	-0.109813	3.63E-06	No	Anapc13	121.347	236.638	0.963547	121.348	236.639	0.96353753	0.00543198	No
Ddx3y	0.58631	0.70399	0.11768	0.00040512	No	Anapc15	42.5974	79.6412	0.902747	42.5984	79.6422	0.90273383	0.0031651	No
Ddx54	0.95517	0.42356	-0.53161	6.50E-07	No	Anapc5	69.2364	120.061	0.79416	69.2374	120.062	0.79415615	0.0018326	No
Defb21	0.73629	0.49848	-0.23781	0.01105145	No	Anapc7	21.4233	13.0774	-0.712108	21.4243	13.0784	-0.712062	0.0202696	No
Depdc5	0.80712	0.56366	-0.24346	2.12E-06	No	Ang	1.02629	9.73314	3.24547	1.02729	9.73414	3.24421002	0.00018329	No
Dffb	0.79085	0.67067	-0.12018	0.00294427	No	Angel2	23.8639	9.82566	-1.2802	23.8649	9.82666	-1.2801172	0.0018326	No
Dhh	0.07532	0.020285	-0.055035	0.00149777	No	Ank2	0.592127	5.89525	3.31557	0.593127	5.89625	3.31338474	0.00018329	No
Diras2	0.79921	0.7399	-0.05931	0.02412126	No	Ankh	29.2663	2.84883	-3.3608	29.2673	2.84983	-3.3603419	0.00018329	No
Dkk1	0.78504	0.42686	-0.35818	0.0006534	No	Ankib1	13.1186	5.41648	-1.27619	13.1196	5.41748	-1.2760299	0.00018329	No
Dlg2	0.35374	0.18613	-0.16761	0.00025534	No	Ankle1	0.181725	2.72864	3.90835	0.182725	2.72964	3.90096475	0.00111812	No
Dlgap2	0.29711	0.11725	-0.17986	0.00019103	No	Ankle2	21.8178	8.53734	-1.35365	21.8188	8.53834	-1.3535442	0.0018326	No
Dlk2	0.1397	0.043181	-0.096519	0.00077922	No	Ankra2	14.905	7.52927	-0.985212	14.906	7.53027	-0.9851197	0.0026435	No
Dll4	0.03728	0.13047	0.09319	0.00077922	No	Ankrd1	0	1.91609	inf	0.001	1.91709	10.9047024	0.00018329	No
Dlx3	0.10756	0.024154	-0.083406	0.01178248	No	ANKRD10	47.9853	26.2779	-0.86874	47.9863	26.2789	-0.8687177	0.00948282	No
Dmrt1	0.14983	0.057187	-0.092643	0.00108973	No	Ankrd11	90.4765	30.1453	-1.58561	90.4775	30.1463	-1.5855781	0.00082046	No
Dnai2	0.43076	0.19559	-0.23517	0.02284827	No	Ankrd12	13.2201	4.36163	-1.5998	13.2211	4.36263	-1.5995722	0.00018329	No
Dnajb12	0.11233	0.19123	0.0789	0.0279946	No	Ankrd13a	160.972	95.4899	-0.753385	160.973	95.4909	-0.7533836	0.015599	No
Dnajb5	0.54767	0.16723	-0.38044	1.69E-06	No	Ankrd22	0	1.13556	inf	0.001	1.13656	10.1504581	0.00018329	No
Dnase2b	0.8942	0.82864	-0.06556	0.00663046	No	Ankrd26	4.55445	2.20188	-1.04854	4.55545	2.20288	-1.0482027	0.0251381	No
Dnmt3l	0.27719	0.47358	0.19639	0.0103156	No	Ankrd29	0.129299	3.15307	4.60798	0.130299	3.15407	4.59731676	0.00035173	No
Doxl2	0.94905	0.87728	-0.07177	0.03760671	No	Ankrd33b	0.256915	3.6482	3.82782	0.257915	3.6492	3.82261264	0.00018329	No
Dpep3	0.7813	0.65704	-0.12426	0.04893199	No	Ankrd40	14.9187	23.8429	0.67644	14.9197	23.8439	0.6764017	0.0206835	No
Dpm1	0.37474	0.26432	-0.11042	0.00198389	No	Ankrd44	49.9901	6.54594	-2.93297	49.9911	6.54694	-2.9327786	0.00018329	No
Dpysl4	0.094574	0.037146	-0.057428	0.00046463	No	Ankrd46	14.237	26.1198	0.875492	14.238	26.1208	0.87545258	0.0063852	No
Dpysl5	0.11325	0.055974	-0.057276	0.00894698	No	Ankrd52	8.04772	4.04709	-0.991695	8.04872	4.04809	-0.991518	0.00197017	No
Drc1	0.68803	0.18033	-0.5077	9.52E-11	No	Ankrd6	0.620371	2.72453	2.1348	0.621371	2.72553	2.13300998	0.00018329	No
Drd5	0.12936	0.064998	-0.064362	0.00405617	No	Anks1a	10.6834	25.1589	1.23569	10.6844	25.1599	1.23562029	0.00082046	No
Drgx	0.19326	0.056112	-0.137148	0.00142182	No	Anks6	0.490837	11.3823	4.53541	0.491837	11.3833	4.53259477	0.00018329	No
Drp2	0.29589	0.12133	-0.17456	0.00722274	No	Anp32a	241.105	143.073	-0.752914	241.106	143.074	-0.752906	0.00494262	No
Dsc3	0.57246	0.47248	-0.09998	0.00722274	No	Anp32e	99.3024	42.1885	-1.23498	99.3034	42.1895	-1.2349591	0.00018329	No
Dscam	0.078403	0.02486	-0.053543	1.61E-05	No	Anpep	0.0814234	52.4684	9.33179	0.0824234	52.4694	9.3142066	0.00018329	No
Dscam1	0.22088	0.074899	-0.145981	0.00019103	No	Anxa1	31.3116	217.064	2.79335	31.3126	217.065	2.79331191	0.00018329	No
Dsn1	0.91417	0.76614	-0.14803	0.02160305	No	Anxa11	86.2827	177.794	1.04307	86.2837	177.795	1.0430548	0.00018329	No
Dync1i1	0.95222	0.88614	-0.06608	0.00017122	No	Anxa13	0	0.715812	inf	0.001	0.716812	9.48545098	0.00018329	No
E2f4	0.32807	0.14666	-0.18141	0.0279946	No	Anxa3	0.0738454	81.756	10.1126	0.0748454	81.757	10.0932129	0.00018329	No
Ear11	0.6422	0.40469	-0.23751	0.04893199	No	Anxa4	4.42097	111.996	4.66294	4.42197	111.997	4.66262704	0.00018329	No
Ebf3	0.10433	0.041782	-0.062548	0.00011533	No	Anxa5	7.33255	368.267	5.6503	7.33355	368.268	5.65010049	0.00018329	No
Echdc2	0.11633	0.051741	-0.064589	0.00768781	No	Anxa7	26.5192	58.8095	1.14901	26.5202	58.8105	1.1489821	0.00018329	No
Eef1a2	0.072031	0.017154	-0.054877	0.00017463	No	Anxa8	0	10.2758	inf	0.001	10.2768	13.3271035	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Efcc1	0.20261	0.10538	-0.09723	0.00575049	No	Ap1ar	15.2088	9.60105	-0.663644	15.2098	9.60205	-0.6635868	0.0202696	No
Efhd2	0.277	0.51423	0.23723	0.00275507	No	Ap1g2	40.6036	19.6883	-1.04427	40.6046	19.6893	-1.0442314	0.0115803	No
Efna2	0.97602	0.88635	-0.08967	0.00011533	No	Ap1s1	23.9762	69.5686	1.53683	23.9772	69.5696	1.53679383	0.00018329	No
Efna5	0.17258	0.10521	-0.06737	0.00046463	No	Ap1s2	10.9709	6.59886	-0.733389	10.9719	6.59986	-0.7333061	0.0344723	No
Efnb3	0.18243	0.049808	-0.132622	1.01E-05	No	Ap2a2	18.4138	32.0361	0.79891	18.4148	32.0371	0.79887783	0.00224282	No
Egfem1	0.12407	0.04543	-0.07864	3.49E-06	No	Ap3m1	18.2658	11.4835	-0.669584	18.2668	11.4845	-0.6695359	0.0175951	No
Egflam	0.1438	0.039953	-0.103847	0.00052221	No	Ap3s2	11.0912	42.4232	1.93544	11.0922	42.4242	1.93534192	0.00018329	No
Egln2	0.83803	0.78405	-0.05398	0.03995795	No	Ap4b1	37.8478	13.3682	-1.50141	37.8488	13.3692	-1.5013344	0.00018329	No
Egr3	0.3592	0.1817	-0.1775	5.90E-05	No	Ap4e1	5.33255	2.14333	-1.31497	5.33355	2.14433	-1.3145692	0.00018329	No
Egr4	0.089852	0.034555	-0.055297	0.00054569	No	Ap5m1	8.32824	3.70622	-1.16806	8.32924	3.70722	-1.1678471	0.00097029	No
Eif4ebp3	0.90844	0.49071	-0.41773	1.40E-10	No	Apaf1	19.7289	4.14669	-2.25028	19.7299	4.14769	-2.2500037	0.00018329	No
Eif5a2	0.42599	0.25364	-0.17235	0.0031273	No	Apba3	11.3086	24.6292	1.12295	11.3096	24.6302	1.12288044	0.00051281	No
Elavl2	0.084601	0.022766	-0.061835	2.48E-05	No	Apbb1	4.29734	10.5494	1.29564	4.29834	10.5504	1.29544619	0.00018329	No
Elavl3	0.14958	0.046549	-0.103031	0.00164763	No	Apbb1ip	77.1819	11.0287	-2.807	77.1829	11.0297	-2.8068877	0.00018329	No
Elfn1	0.13347	0.04821	-0.08526	0.00405617	No	Apccd1	0.065464	13.9051	7.73069	0.066464	13.9061	7.70892903	0.0317095	No
Elovl6	0.10687	0.045872	-0.060998	0.03760671	No	Apccd1l	0.260707	4.47492	4.10136	0.261707	4.47592	4.09615983	0.00018329	No
Emc10	0.38792	0.17929	-0.20863	0.00128825	No	Apcs	0	17.5497	inf	0.001	17.5507	14.099241	0.00018329	No
Emilin3	0.18202	0.10447	-0.07755	0.01448681	No	Apex1	64.5035	36.1491	-0.835415	64.5045	36.1501	-0.8354002	0.0107084	No
Endou	0.81446	0.5436	-0.27086	3.08E-05	No	Apex2	9.88825	4.49244	-1.13822	9.88925	4.49344	-1.1380408	0.0016929	No
Eno2	0.8063	0.64002	-0.16628	0.00955793	No	Api5	38.0821	24.2556	-0.650795	38.0831	24.2566	-0.6507736	0.0125688	No
Enpp3	0.13876	0.070822	-0.067938	0.01047909	No	Apitd1	51.7565	106.845	1.0457	51.7575	106.846	1.04569306	0.00066911	No
Epha10	0.085233	0.032077	-0.053156	6.58E-07	No	Ap1f	39.3124	17.5766	-1.16133	39.3134	17.5776	-1.161283	0.00018329	No
Epha2	0.22551	0.53522	0.30971	0.00542685	No	Aplnr	0.191739	0.907133	2.24217	0.192739	0.908133	2.23625508	0.0016929	No
Ephb1	0.19886	0.092922	-0.105938	0.0103156	No	APLP1	0.312945	7.75095	4.63039	0.313945	7.75195	4.62597552	0.00018329	No
Ephb3	0.77916	0.6313	-0.14786	0.01105145	No	Aplp2	22.7672	114.287	2.32764	22.7682	114.288	2.32758179	0.00018329	No
Epn1	0.88366	0.35702	-0.52664	5.18E-12	No	Apmap	7.91643	27.7458	1.80935	7.91743	27.7468	1.80921728	0.00018329	No
Epo	0.23225	0.12468	-0.10757	0.0341213	No	Apoa1	0.771706	2.17743	1.4965	0.772706	2.17843	1.49529725	0.0313274	No
Eras	0.83086	0.59972	-0.23114	3.48E-05	No	APOA1BP	22.0013	46.6156	1.08322	22.0023	46.6166	1.08318944	0.00018329	No
Erf	0.92965	0.54082	-0.38883	3.43E-10	No	Apoc1	0	5.43766	inf	0.001	5.43866	12.4090355	0.00018329	No
Erich6	0.38195	0.19948	-0.18247	3.15E-05	No	Apoc2	0	2.30008	inf	0.001	2.30108	11.1680954	0.00018329	No
Espnl	0.83947	0.39605	-0.44342	1.79E-05	No	Apoc3	0	7.55506	inf	0.001	7.55606	12.8834184	0.00018329	No
Esrp2	0.15443	0.072149	-0.082281	0.00034148	No	Apold1	0.451625	2.40982	2.41573	0.452625	2.41082	2.41313576	0.00018329	No
Evpl	0.63661	0.19673	-0.43988	4.56E-07	No	Apom	5.91649	76.2494	3.68791	5.91749	76.2504	3.68768764	0.0350954	No
Evx1	0.24101	0.13099	-0.11002	0.01448681	No	Apoo	8.50726	45.6461	2.42373	8.50826	45.6471	2.42358718	0.00018329	No
Exoc8	0.66765	0.31183	-0.35582	8.62E-05	No	Apool	7.87811	18.0133	1.19314	7.87911	18.0143	1.19303801	0.00035173	No
Extl3	0.76387	0.69722	-0.06665	0.03275343	No	App	57.0819	413.69	2.85744	57.0829	413.691	2.85742304	0.00018329	No
F10	0.84436	0.7128	-0.13156	0.01047909	No	Appbp2	14.8536	8.87378	-0.743194	14.8546	8.87478	-0.7431265	0.00445502	No
F2r13	0.16638	0.36585	0.19947	0.00955793	No	Appl2	0.498062	10.1861	4.35414	0.499062	10.1871	4.35138055	0.00018329	No
Faap20	0.62156	0.20165	-0.41991	5.00E-06	No	Aprt	319.872	190.217	-0.749846	319.873	190.218	-0.7498454	0.00567465	No
Fabp3	0.29032	0.10352	-0.1868	0.0031273	No	Aptx	13.5647	6.57123	-1.04563	13.5657	6.57223	-1.0455086	0.0115803	No
Fabp7	0.87766	0.51991	-0.35775	9.15E-06	No	Aqp2	0	86.2789	inf	0.001	86.2799	16.3967369	0.00018329	No
Fam129a	0.0028948	0.065492	0.0625972	5.51E-05	No	Aqp3	0	35.5989	inf	0.001	35.5999	15.1195856	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fam132a	0.72647	0.40119	-0.32528	0.00010449	No	Aqp4	0	1.208	inf	0.001	1.209	10.2395985	0.00018329	No
Fam163b	0.14668	0.05444	-0.09224	0.00489594	No	Aqr	23.43	11.9391	-0.972659	23.431	11.9401	-0.9726036	0.0400568	No
FAM187A	0.79201	0.72146	-0.07055	0.00237	No	Arap2	8.7594	4.29362	-1.02864	8.7604	4.29462	-1.0284663	0.00481718	No
Fam193b	0.41892	0.18899	-0.22993	0.0103156	No	Arap3	4.26649	13.161	1.62515	4.26749	13.162	1.62491905	0.00018329	No
Fam20a	0.098617	0.045374	-0.053243	0.00575049	No	Arc	0.168815	0.897588	2.41061	0.169815	0.898588	2.4036959	0.0018326	No
Fam212a	0.2662	0.42416	0.15796	0.04680399	No	Areg	0	0.890161	inf	0.001	0.891161	9.79954229	0.00018329	No
Fam221b	0.12527	0.043324	-0.081946	0.0445679	No	Arel1	21.3826	13.4805	-0.665564	21.3836	13.4815	-0.6655237	0.0202696	No
Fam55b	0.90084	0.39942	-0.50142	5.02E-08	No	Arf2	4.62219	8.82913	0.933694	4.62319	8.83013	0.93354602	0.00469886	No
Fam64a	0.20427	0.084609	-0.119661	0.01544668	No	Arf6	204.568	109.491	-0.901771	204.569	109.492	-0.9017621	0.00591487	No
Fam71e2	0.89836	0.65561	-0.24275	0.0001006	No	Arglu1	158.703	56.673	-1.4856	158.704	56.674	-1.4855796	0.00018329	No
Fam89a	0.018946	0.35608	0.337134	9.76E-12	No	Arhgap1	49.1194	20.2105	-1.28119	49.1204	20.2115	-1.2811459	0.00018329	No
Fasn	0.75015	0.4549	-0.29525	0.0103156	No	Arhgap10	2.65466	10.5312	1.98807	2.65566	10.5322	1.98766447	0.00018329	No
Fat1	0.18443	0.041768	-0.142662	0.00034148	No	Arhgap11a	0.461992	2.62771	2.50786	0.462992	2.62871	2.50529582	0.00018329	No
Fat3	0.20524	0.070543	-0.134697	3.48E-05	No	Arhgap12	13.8418	7.81761	-0.82423	13.8428	7.81861	-0.8241517	0.0026435	No
Faxc	0.11398	0.057122	-0.056858	0.03521493	No	Arhgap15	127.22	11.7754	-3.43348	127.221	11.7764	-3.4333663	0.00018329	No
Fbln5	0.10774	0.05147	-0.05627	0.00256829	No	Arhgap17	60.3122	29.4031	-1.03648	60.3132	29.4041	-1.0364564	0.00018329	No
Fbn1	0.4542	0.23071	-0.22349	0.02160305	No	Arhgap18	3.65837	21.4185	2.54959	3.65937	21.4195	2.5492576	0.00018329	No
Fbp1	0.42778	0.25136	-0.17642	0.00674226	No	Arhgap21	0.429201	5.8827	3.77675	0.430201	5.8837	3.7736409	0.00018329	No
Fbxl14	0.045455	0.097577	0.052122	0.01178248	No	Arhgap22	0.0596515	16.8738	8.14401	0.0606515	16.8748	8.12011136	0.00018329	No
Fbxo24	0.84336	0.74952	-0.09384	4.36E-05	No	Arhgap24	0.176806	132.698	9.55177	0.177806	132.699	9.54363778	0.00018329	No
Fbxw17	0.30174	0.086865	-0.214875	0.0006534	No	Arhgap28	0.0224034	1.25236	5.80478	0.0234034	1.25336	5.74293891	0.0416461	No
Fcgbpl1	0.93663	0.86601	-0.07062	0.01544668	No	Arhgap29	0.0265167	28.9074	10.0903	0.0275167	28.9084	10.0369656	0.00018329	No
Fez1	0.35597	0.1481	-0.20787	0.00098302	No	Arhgap31	0.143108	0.64124	2.16376	0.144108	0.64224	2.15596209	0.0191514	No
Fezf2	0.13982	0.046077	-0.093743	0.00077922	No	Arhgap33	2.43295	0.541769	-2.16696	2.43395	0.542769	-2.1648893	0.0209932	No
Ffar1	0.79961	0.70241	-0.0972	0.00368736	No	Arhgap35	1.87858	9.2161	2.29451	1.87958	9.2171	2.29390258	0.00018329	No
Ffar2	0.81765	0.60295	-0.2147	0.00085417	No	Arhgap39	1.12529	3.78093	1.74844	1.12629	3.78193	1.74754432	0.00018329	No
Ffar3	0.83339	0.70027	-0.13312	0.00120161	No	Arhgap4	122.401	64.4928	-0.924406	122.402	64.4938	-0.9243947	0.00277264	No
Fgf11	0.097346	0.041996	-0.05535	0.00722274	No	Arhgap42	0	3.71918	inf	0.001	3.72018	11.8611567	0.00018329	No
Fgf2	0.83655	0.61437	-0.22218	0.00455632	No	Arhgap44	0.0680075	2.71477	5.31899	0.0690075	2.71577	5.29846432	0.00018329	No
Fgf21	0.91515	0.7563	-0.15885	0.00142182	No	Arhgap5	0.200013	7.7201	5.27046	0.201013	7.7211	5.26344569	0.00018329	No
Fgf3	0.092991	0.029825	-0.063166	0.02284827	No	Arhgap6	0.811705	3.16274	1.96215	0.812705	3.16374	1.96082737	0.00035173	No
Fgf4	0.12098	0.041786	-0.079194	4.67E-05	No	Arhgap9	193.245	109.102	-0.82476	193.246	109.103	-0.8247478	0.00329119	No
Fgf6	0.74322	0.23775	-0.50547	3.77E-12	No	Arhgdib	2282.69	359.267	-2.6676	2282.691	359.268	-2.6676032	0.00018329	No
Fgf8	0.1275	0.052114	-0.075386	0.04680399	No	Arhgef1	495.22	118.855	-2.05886	495.221	118.856	-2.0588578	0.00018329	No
Fgfr2	0.068616	0.015457	-0.053159	0.00196002	No	Arhgef10l	0.092408	25.1551	8.08862	0.093408	25.1561	8.07314644	0.00018329	No
Fhl3	0.0060504	0.21531	0.2092596	3.06E-06	No	Arhgef11	2.19684	12.3235	2.48791	2.19784	12.3245	2.48737085	0.0206835	No
Fhod1	0.55596	0.19483	-0.36113	0.00013988	No	Arhgef12	0.797974	11.1955	3.81043	0.798974	11.1965	3.80875545	0.00018329	No
Fibcd1	0.011434	0.068794	0.05736	1.98E-05	No	Arhgef17	0.125348	33.8471	8.07695	0.126348	33.8481	8.06552822	0.00035173	No
Fitm1	0.25301	0.39662	0.14361	0.00120161	No	Arhgef18	47.8074	16.782	-1.51032	47.8084	16.783	-1.5102635	0.00018329	No
Fkbpl	0.75913	0.23893	-0.5202	0.00152471	No	Arhgef19	0	5.98383	inf	0.001	5.98483	12.5470946	0.00018329	No
Fmo5	0.14207	0.40881	0.26674	3.03E-06	No	Arhgef40	0.102107	9.90365	6.5998	0.103107	9.90465	6.58589181	0.00018329	No
Foxa3	0.1245	0.047272	-0.077228	0.0006534	No	Arhgef5	0	8.0359	inf	0.001	8.0369	12.9724234	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Foxc2	0.10457	0.19465	0.09008	0.01331217	No	Arhgef6	53.737	7.85513	-2.77421	53.738	7.85613	-2.7740519	0.00018329	No
Foxe3	0.2412	0.10196	-0.13924	0.00152471	No	Arid1a	54.3148	16.6853	-1.70276	54.3158	16.6863	-1.7027078	0.00018329	No
Foxg1	0.45832	0.18069	-0.27763	6.02E-11	No	Arid3b	10.1677	1.56042	-2.70398	10.1687	1.56142	-2.7032047	0.00018329	No
Foxj1	0.7782	0.38003	-0.39817	3.29E-08	No	Arid4a	26.138	6.71268	-1.96118	26.139	6.71368	-1.9610283	0.00530972	No
Foxn4	0.11015	0.043228	-0.066922	6.46E-06	No	Arid4b	12.7652	2.75999	-2.20948	12.7662	2.76099	-2.2090716	0.00018329	No
Foxp4	0.0036058	0.064762	0.0611562	1.77E-06	No	Arid5a	14.171	5.20113	-1.44605	14.172	5.20213	-1.445869	0.00018329	No
Foxred2	0.44769	0.17185	-0.27584	2.74E-10	No	Arid5b	15.2704	4.63346	-1.72058	15.2714	4.63446	-1.7203592	0.00018329	No
Foxs1	0.80888	0.63925	-0.16963	0.00015756	No	Arih2	28.2007	14.2778	-0.981961	28.2017	14.2788	-0.9819074	0.00051281	No
Frmrd3	0.12358	0.038948	-0.084632	9.28E-12	No	Arl1	23.4814	74.0864	1.65769	23.4824	74.0874	1.65764834	0.00018329	No
Fry	0.67109	0.4179	-0.25319	0.00013988	No	Arl11	0.122211	5.23924	5.42191	0.123211	5.24024	5.41042992	0.00066911	No
Fscn2	0.84544	0.73165	-0.11379	0.03275343	No	Arl15	6.90492	13.6561	0.983849	6.90592	13.6571	0.98374564	0.0026435	No
Fut4	0.2387	0.088677	-0.150023	0.00275507	No	Arl2	32.4887	61.2312	0.914327	32.4897	61.2322	0.9143081	0.0160313	No
Fut7	0.75862	0.67104	-0.08758	0.02915203	No	Arl3	67.8645	107.48	0.66334	67.8655	107.481	0.66333139	0.0150649	No
Fxyd7	0.075784	0.018486	-0.057298	0.02412126	No	Arl4a	22.1612	14.0265	-0.65988	22.1622	14.0275	-0.6598432	0.0447246	No
Fzd10	0.03979	0.21679	0.177	7.94E-08	No	Arl5c	89.0472	13.067	-2.76865	89.0482	13.068	-2.7685481	0.00018329	No
Fzd2	0.072496	0.13909	0.066594	1.49E-08	No	ARL6	1.72692	12.7881	2.88853	1.72792	12.7891	2.88780641	0.00018329	No
Fzd5	0.88822	0.50194	-0.38628	3.77E-12	No	Arl6ip5	176.508	58.97	-1.58168	176.509	58.971	-1.5816642	0.00018329	No
Fzd9	0.90955	0.81824	-0.09131	0.00033772	No	Armc9	5.77743	15.5595	1.4293	5.77843	15.5605	1.42913895	0.00066911	No
G6b	0.078117	0.3232	0.245083	6.35E-06	No	Armcx3	2.01722	12.5501	2.63725	2.01822	12.5511	2.63665846	0.00018329	No
Gabbr2	0.14179	0.063803	-0.077987	0.02284827	No	Arnt2	0	19.5913	inf	0.001	19.5923	14.2579991	0.00018329	No
Gabrb2	0.07811	0.014847	-0.063263	0.00489594	No	Arpc1b	866.068	228.839	-1.92014	866.069	228.84	-1.9201427	0.00018329	No
Gabrb3	0.12545	0.055541	-0.069909	0.00674226	No	Arpc2	1019.81	361.924	-1.49454	1019.811	361.925	-1.4945391	0.00018329	No
Gabbr1	0.79965	0.70776	-0.09189	0.00131475	No	Arpc3	436.366	230.029	-0.923725	436.367	230.03	-0.92372	0.00051281	No
Gad1	0.17554	0.082753	-0.092787	0.00625768	No	Arpc5	279.346	102.21	-1.45052	279.347	102.211	-1.4505079	0.00018329	No
Gal	0.16991	0.066732	-0.103178	0.00405617	No	Arpp21	124.164	30.1662	-2.04124	124.165	30.1672	-2.0412059	0.00018329	No
Gal3st1	0.49247	0.17544	-0.31703	1.79E-05	No	Arrb2	172.64	44.9401	-1.94169	172.641	44.9411	-1.9416678	0.00018329	No
Gal3st3	0.056462	0.10846	0.051998	0.01349957	No	Arrdc2	33.9819	15.915	-1.09438	33.9829	15.916	-1.0943312	0.00097029	No
Galnt16	0.096245	0.043621	-0.052624	0.03863139	No	Arrdc3	22.8227	77.6789	1.76705	22.8237	77.6799	1.76700865	0.00018329	No
Galnt2	0.8605	0.45597	-0.40453	1.41E-05	No	Arrdc4	0.372171	4.94464	3.73183	0.373171	4.94564	3.72824845	0.00018329	No
Galnt9	0.10629	0.029907	-0.076383	1.61E-05	No	Arsa	2.83406	37.9902	3.74469	2.83506	37.9912	3.74421411	0.00018329	No
Galr1	0.15238	0.067749	-0.084631	1.87E-09	No	Arsb	4.13743	26.679	2.6889	4.13843	26.68	2.68860321	0.00018329	No
Galr2	0.17861	0.078045	-0.100565	0.00674226	No	Arse	6.41018	23.0686	1.84749	6.41118	23.0696	1.84733117	0.00018329	No
Garem2	0.28199	0.14372	-0.13827	0.01621946	No	Arsg	0.644421	2.33726	1.85874	0.645421	2.33826	1.85712293	0.00210945	No
Gas2l2	0.71626	0.53263	-0.18363	0.01105145	No	Art2b	213.981	7.97532	-4.7458	213.982	7.97632	-4.7456223	0.00018329	No
Gata2	0.52925	0.2322	-0.29705	1.27E-06	No	As3mt	11.2016	26.9083	1.26434	11.2026	26.9093	1.26427126	0.00018329	No
Gata4	0.14669	0.085139	-0.061551	0.00894698	No	Asah1	5.41676	34.4319	2.66824	5.41776	34.4329	2.6680193	0.00018329	No
Gata5	0.057199	0.15823	0.101031	0.00095473	No	Asah2	0	0.626903	inf	0.001	0.627903	9.2943979	0.00018329	No
Gba	0.97403	0.71699	-0.25704	6.50E-07	No	Asap1	25.0967	4.45943	-2.49257	25.0977	4.46043	-2.4923005	0.00018329	No
Gbx2	0.30014	0.14425	-0.15589	0.01105145	No	Asap2	0.0710153	8.73426	6.94241	0.0720153	8.73526	6.92240339	0.00018329	No
Gck	0.93999	0.80217	-0.13782	1.26E-05	No	Asap3	0.367847	2.48513	2.75614	0.368847	2.48613	2.75280733	0.00018329	No
Gcnt2	0.023006	0.1371	0.114094	9.80E-10	No	Asb1	2.50578	1.45176	-0.787458	2.50678	1.45276	-0.787039	0.0229171	No
Gdap111	0.14083	0.064197	-0.076633	0.02915203	No	Asb13	36.2467	16.7956	-1.10977	36.2477	16.7966	-1.1097202	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gdf10	0.20904	0.099629	-0.109411	0.00025534	No	Asb3	8.89318	5.6022	-0.666706	8.89418	5.6032	-0.6666106	0.0450989	No
Gdf15	0.42998	0.20836	-0.22162	1.94E-07	No	Ascc3	21.4445	10.1379	-1.08084	21.4455	10.1389	-1.0807738	0.0287615	No
Gdf2	0.92563	0.62098	-0.30465	2.79E-05	No	Asgr2	0	2.83768	inf	0.001	2.83868	11.4710045	0.00018329	No
Gdnf	0.084299	0.0076908	-0.0766082	0.00542685	No	Asl	7.97999	49.9951	2.64733	7.98099	49.9961	2.64717594	0.0350203	No
Gfap	0.79179	0.57807	-0.21372	0.00107599	No	Asmtl	33.9827	95.1282	1.48507	33.9837	95.1292	1.48504531	0.00018329	No
Gfer	0.22195	0.29793	0.07598	0.01464158	No	Asns	4.75031	8.1164	0.772819	4.75131	8.1174	0.77269237	0.0201703	No
Ggn	0.77485	0.64801	-0.12684	0.0445679	No	Aspa	0.250544	25.4849	6.66843	0.251544	25.4859	6.66274471	0.00035173	No
Ghsr	0.32326	0.2034	-0.11986	0.00562348	No	Aspdh	18.3133	54.138	1.56375	18.3143	54.139	1.56369768	0.00018329	No
Gipc3	0.71892	0.39333	-0.32559	1.21E-06	No	ASPH	0.676737	10.1838	3.91154	0.677737	10.1848	3.9095483	0.00018329	No
Gja3	0.72166	0.56539	-0.15627	0.02160305	No	Aspscr1	34.4046	68.3267	0.989846	34.4056	68.3277	0.98982716	0.00902869	No
Gja8	0.1028	0.53485	0.43205	5.62E-06	No	Ass1	0.0712455	119.67	10.714	0.0722455	119.671	10.6938782	0.00530972	No
Glr1	0.091763	0.036473	-0.05529	0.00455632	No	Asun	26.9761	16.1765	-0.737782	26.9771	16.1775	-0.7377466	0.0109365	No
Gnas	0.1313	0.34854	0.21724	1.42E-08	No	Asxl1	29.8309	11.8788	-1.32842	29.8319	11.8798	-1.3283453	0.00018329	No
Gnaz	0.82107	0.3563	-0.46477	3.77E-12	No	Asxl2	9.30195	4.77418	-0.962282	9.30295	4.77518	-0.9621332	0.0432746	No
Gng7	0.58012	0.20975	-0.37037	2.26E-05	No	Atad2	9.62579	2.45454	-1.97145	9.62679	2.45554	-1.9710145	0.00018329	No
Gnmt	0.68631	0.25697	-0.42934	2.16E-06	No	Atf1	57.1075	23.1804	-1.30077	57.1085	23.1814	-1.3007378	0.00018329	No
Gnrhr	0.77413	0.62877	-0.14536	0.04097311	No	Atf2	24.2302	14.0575	-0.785469	24.2312	14.0585	-0.7854232	0.00406781	No
Gp1bb	0.037118	0.10968	0.072562	0.00054569	No	Atf3	0.103683	91.786	9.78995	0.104683	91.787	9.77611885	0.00018329	No
Gpaa1	0.93326	0.82362	-0.10964	0.00012584	No	Atf5	3.8804	20.5205	2.40279	3.8814	20.5215	2.40248716	0.0214018	No
Gpr139	0.09024	0.032113	-0.058127	0.0031273	No	Atg10	15.2913	7.58233	-1.012	15.2923	7.58333	-1.011902	0.0430274	No
Gpr26	0.20741	0.068957	-0.138453	0.00128825	No	Atg12	44.2111	13.3218	-1.73062	44.2121	13.3228	-1.7305439	0.00018329	No
Gpr31	0.76395	0.59247	-0.17148	0.01265586	No	Atg13	21.9825	12.8813	-0.771073	21.9835	12.8823	-0.7710309	0.00469886	No
Gpr50	0.1025	0.028565	-0.073935	0.0001006	No	Atg14	6.3688	4.12903	-0.625219	6.3698	4.13003	-0.6250958	0.0478786	No
Gpr6	0.14155	0.046102	-0.095448	0.00542685	No	Atg2b	10.3447	5.09554	-1.02159	10.3457	5.09654	-1.0214412	0.00051281	No
Gpr81	0.86549	0.32715	-0.53834	2.75E-06	No	Atg9a	30.679	18.0924	-0.761864	30.68	18.0934	-0.7618349	0.00567465	No
Gpr83	0.42595	0.24762	-0.17833	0.00832699	No	Atic	54.7422	31.2625	-0.808221	54.7432	31.2635	-0.8082005	0.00140841	No
Gpsm3	0.015029	0.18583	0.170801	0.00054569	No	Atl1	0.272982	0.764349	1.48543	0.273982	0.765349	1.48203665	0.0350954	No
Gpx2	0.50569	0.23653	-0.26916	1.69E-06	No	Atl2	29.3001	11.2462	-1.38147	29.3011	11.2472	-1.3813889	0.00018329	No
Grasp	0.036151	0.33792	0.301769	6.50E-07	No	Atm	26.4166	5.15826	-2.35649	26.4176	5.15926	-2.3562633	0.00018329	No
Gria4	0.13181	0.027925	-0.103885	0.00405617	No	Atoh8	0	1.44702	inf	0.001	1.44802	10.4998658	0.00018329	No
Grik1	0.13688	0.053907	-0.082973	0.0103156	No	Atox1	78.1452	168.186	1.10583	78.1462	168.187	1.10581857	0.00018329	No
Grik3	0.093542	0.031531	-0.062011	7.48E-05	No	Atp11a	10.0761	75.6222	2.90787	10.0771	75.6232	2.90774838	0.00018329	No
Grik5	0.43654	0.16518	-0.27136	0.01105145	No	ATP11B	36.9216	10.1276	-1.86616	36.9226	10.1286	-1.8660694	0.00018329	No
Grin2a	0.11386	0.030886	-0.082974	0.00063042	No	Atp13a1	67.4342	35.219	-0.937128	67.4352	35.22	-0.9371069	0.00097029	No
Grin2b	0.10023	0.031169	-0.069061	0.00894698	No	Atp13a2	22.3413	34.5914	0.6307	22.3423	34.5924	0.6306774	0.0328513	No
Grin2d	0.40122	0.25999	-0.14123	0.00674226	No	Atp13a3	13.675	8.56257	-0.675428	13.676	8.56357	-0.6753621	0.0144181	No
Grin3b	0.96776	0.87887	-0.08889	0.00102242	No	Atp1a1	85.9738	1362.32	3.98602	85.9748	1362.321	3.98600902	0.00018329	No
Grm1	0.18076	0.089903	-0.090857	2.21E-07	No	Atp1a3	0.214911	1.38569	2.6888	0.215911	1.38669	2.68313665	0.00051281	No
Grm7	0.15252	0.062165	-0.090355	0.00164763	No	Atp1b1	2.11535	1232.07	9.18598	2.11635	1232.071	9.18529144	0.00018329	No
Grp	0.087209	0.022899	-0.06431	0.00021759	No	Atp1b2	0.102733	5.40974	5.71858	0.103733	5.41074	5.70487909	0.00035173	No
Gspt2	0.087849	0.021096	-0.066753	0.00489594	No	ATP2A2	21.1834	35.9737	0.76401	21.1844	35.9747	0.76398039	0.00329119	No
Gstt3	0.2556	0.099132	-0.156468	0.00294427	No	Atp2b1	11.904	5.75263	-1.04915	11.905	5.75363	-1.0490233	0.00082046	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gsx1	0.16642	0.064854	-0.101566	6.69E-05	No	Atp2b4	8.13656	5.34165	-0.607135	8.13756	5.34265	-0.6070408	0.0286648	No
Guca1a	0.0079874	0.2276	0.2196126	5.61E-09	No	Atp2c1	7.97472	32.5011	2.02698	7.97572	32.5021	2.02684627	0.00018329	No
Gucy2e	0.26852	0.35354	0.08502	0.00275507	No	Atp5a1	296.721	724.693	1.28827	296.722	724.694	1.28826005	0.00018329	No
H2afx	0.077558	0.021217	-0.056341	9.35E-05	No	Atp5b	403.894	1765.84	2.12831	403.895	1765.841	2.12830325	0.00018329	No
H2afy2	0.049434	0.024603	-0.024831	0.00043712	No	Atp5c1	166.754	457.968	1.45753	166.755	457.969	1.45751993	0.00018329	No
Haa0	0.92775	0.34359	-0.58416	3.77E-12	No	Atp5d	170.521	519.999	1.60856	170.522	520	1.60855374	0.00018329	No
Hal	0.59806	0.43432	-0.16374	0.03760671	No	Atp5e	1053.88	1653.09	0.649465	1053.881	1653.091	0.64945417	0.0243241	No
Hamp	0.78559	0.42337	-0.36222	2.16E-06	No	ATP5F1	70.6499	129.666	0.876042	70.6509	129.667	0.87603152	0.00506686	No
Hapln4	0.10895	0.045476	-0.063474	0.00152471	No	ATP5G3	267.818	1165.47	2.12159	267.819	1165.471	2.12158289	0.00018329	No
Has3	0.18923	0.099208	-0.090022	0.00894698	No	Atp5i	504.38	2093.76	2.05351	504.381	2093.761	2.05351093	0.00018329	No
Hcn4	0.13326	0.26271	0.12945	0.00832699	No	Atp5j	344.193	959.078	1.47843	344.194	959.079	1.47842771	0.00051281	No
Herpud1	0.20343	0.11784	-0.08559	0.02160305	No	Atp5j2	709.865	1470.2	1.05039	709.866	1470.201	1.05039479	0.00018329	No
Hes7	0.70442	0.47758	-0.22684	0.00022961	No	Atp5l	417.561	1068.55	1.35559	417.562	1068.551	1.35559344	0.00018329	No
Hfe2	0.032513	0.089346	0.056833	0.00095473	No	Atp5o	174.663	743.208	2.08919	174.664	743.209	2.08918569	0.00018329	No
Hhatl	0.76487	0.29066	-0.47421	4.36E-05	No	Atp5s	0.792598	17.7763	4.48723	0.793598	17.7773	4.48548403	0.0144181	No
Hhex	0.044824	0.28898	0.244156	3.77E-12	No	Atp6ap2	19.6731	82.8887	2.07495	19.6741	82.8897	2.0748952	0.00018329	No
Hic1	0.38001	0.20495	-0.17506	1.94E-07	No	Atp6v0a1	1.61708	16.8039	3.37733	1.61808	16.8049	3.37652711	0.00018329	No
Hils1	0.97015	0.82751	-0.14264	2.48E-05	No	Atp6v0a2	18.1561	11.5342	-0.654539	18.1571	11.5352	-0.6544908	0.0232058	No
Hist1h2bo	0.0073998	0.087262	0.0798622	1.77E-06	No	Atp6v0a4	0.0317032	36.8347	10.1822	0.0327032	36.8357	10.1374571	0.0201703	No
Hmces	0.77397	0.64886	-0.12511	0.02160305	No	Atp6v0b	58.6774	162.884	1.47297	58.6784	162.885	1.47295231	0.00018329	No
Hmga1	0.17302	0.39328	0.22026	0.00212541	No	Atp6v0c	169.639	427.513	1.3335	169.64	427.514	1.33349528	0.00018329	No
Hmgcl1	0.77273	0.66858	-0.10415	0.00542685	No	Atp6v0d1	128.739	228.456	0.82747	128.74	228.457	0.82746227	0.00469886	No
Hmha1	0	0.31644	0.31644	5.08E-07	No	Atp6v0e1	123.639	237.148	0.939654	123.64	237.149	0.93964823	0.00051281	No
Hmx1	0.27989	0.090523	-0.189367	0.00046463	No	Atp6v0e2	17.8825	43.064	1.26794	17.8835	43.065	1.26788672	0.00018329	No
Hoxa11	0.13568	0.22596	0.09028	0.00351975	No	Atp6v1a	9.2667	44.5686	2.2659	9.2677	44.5696	2.26577676	0.00018329	No
Hoxb13	0.085674	0.02891	-0.056764	0.02028318	No	Atp6v1b1	0.0189674	72.4349	11.8989	0.0199674	72.4359	11.8248427	0.00834357	No
Hoxb4	0.17897	0.067216	-0.111754	4.03E-12	No	Atp6v1b2	31.8426	72.3452	1.18394	31.8436	72.3462	1.1839138	0.00018329	No
Hoxc11	0.13079	0.048695	-0.082095	0.00054569	No	Atp6v1c2	1.32042	11.8902	3.17071	1.32142	11.8912	3.16973332	0.00018329	No
Hoxc12	0.15064	0.082774	-0.067866	0.00420619	No	Atp6v1d	42.834	76.8151	0.842633	42.835	76.8161	0.84261863	0.00111812	No
Hoxc4	0.05635	0.17125	0.1149	3.77E-12	No	Atp6v1e1	29.5882	151.461	2.35585	29.5892	151.462	2.35581329	0.00018329	No
Hoxc9	0.085684	0.022896	-0.062788	0.00768781	No	Atp6v1f	97.4656	187.551	0.944316	97.4666	187.552	0.94431082	0.00035173	No
Hoxd1	0.17218	0.075837	-0.096343	0.00021046	No	Atp6v1g3	0.343109	19.0921	5.79816	0.344109	19.0931	5.79404193	0.00018329	No
Hoxd12	0.15803	0.5599	0.40187	1.12E-06	No	Atp6v1h	19.3249	32.3775	0.744534	19.3259	32.3785	0.74450055	0.00445502	No
Hoxd9	0.1583	0.39291	0.23461	8.66E-06	No	Atp8a1	13.5603	7.69172	-0.818012	13.5613	7.69272	-0.8179298	0.00755425	No
Hpd	0.96706	0.60733	-0.35973	6.50E-07	No	Atp8b2	8.52897	3.64341	-1.22708	8.52997	3.64441	-1.2268554	0.00018329	No
Hpn	0.69329	0.22965	-0.46364	1.12E-06	No	Atp8b5	0.729138	3.24814	2.15535	0.730138	3.24914	2.15381684	0.0413654	No
Hpse2	0.094568	0.022986	-0.071582	0.00256829	No	Atp9a	0.533713	47.6461	6.48015	0.534713	47.6471	6.47747985	0.00018329	No
Hras	0.94708	0.84552	-0.10156	0.00722274	No	Atpaf1	5.29795	9.9503	0.909305	5.29895	9.9513	0.90917849	0.00277264	No
Hrasls	0.10524	0.05211	-0.05313	0.00011924	No	Atpif1	249.245	972.299	1.96384	249.246	972.3	1.96383117	0.00035173	No
Hrh3	0.082542	0.015657	-0.066885	0.02915203	No	Atr	3.11873	1.33563	-1.22344	3.11973	1.33663	-1.222821	0.00018329	No
Hs3st5	0.068167	0.0083333	-0.0598337	0.00420619	No	Atraid	11.5508	30.2384	1.38838	11.5518	30.2394	1.38831184	0.0259489	No
Hs6st2	0.14448	0.021503	-0.122977	2.88E-06	No	Atrip	17.2543	35.6719	1.04783	17.2553	35.6729	1.04778895	0.0310472	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hs6st3	0.083672	0.028261	-0.055411	5.90E-05	No	Atrn	4.52243	12.5869	1.47676	4.52343	12.5879	1.47654857	0.00018329	No
Hsbp1l1	0.15269	0.051908	-0.100782	0.00019103	No	Atrnl1	0.439432	8.25662	4.23184	0.440432	8.25762	4.22873483	0.00018329	No
Hsd17b14	0.72697	0.27227	-0.4547	0.00060029	No	Atrx	27.6261	11.6271	-1.24854	27.6271	11.6281	-1.2484687	0.00140841	No
Hsf4	0.76097	0.3186	-0.44237	4.80E-09	No	Atxn2	14.8099	35.4585	1.25957	14.8109	35.4595	1.25951288	0.00406781	No
Hspa12a	0.24622	0.072982	-0.173238	0.00017122	No	Atxn2l	68.158	26.9092	-1.34078	68.159	26.9102	-1.3407511	0.00018329	No
Hspb2	0.76636	0.3951	-0.37126	1.41E-05	No	Atxn7	14.9858	4.02814	-1.89542	14.9868	4.02914	-1.8951485	0.00018329	No
Htr5a	0.38673	0.2108	-0.17593	0.00894698	No	ATXN7L2	24.8491	12.0495	-1.04421	24.8501	12.0505	-1.0441586	0.00082046	No
Htra3	0.18495	0.045361	-0.139589	0.00017122	No	Atxn7l3	26.5461	12.6347	-1.07111	26.5471	12.6357	-1.0710487	0.00469886	No
lbsp	0.69381	0.33033	-0.36348	0.00120161	No	Atxn7l4	13.0705	3.17034	-2.04361	13.0715	3.17134	-2.0432602	0.00018329	No
lcam4	0.3257	0.16193	-0.16377	0.00022961	No	AU040320	10.8449	30.5469	1.49401	10.8459	30.5479	1.49392343	0.00018329	No
lido1	0.91477	0.75532	-0.15945	1.09E-07	No	Aven	25.944	16.5945	-0.644695	25.945	16.5955	-0.6446644	0.047797	No
lfgf2	0.52774	0.34234	-0.1854	0.04680399	No	Avl9	8.46272	4.7728	-0.826285	8.46372	4.7738	-0.8261538	0.00970533	No
lfgfbp6	0.39518	0.23099	-0.16419	0.00085417	No	Avpi1	10.5523	37.0501	1.81192	10.5533	37.0511	1.81182218	0.00018329	No
lfgfbp7	0.071927	0.018318	-0.053609	2.08E-07	No	Avpr1a	0	1.10218	inf	0.001	1.10318	10.1074525	0.00018329	No
lgsf21	0.22917	0.11042	-0.11875	0.01761018	No	Avpr2	2.3595	16.5356	2.80902	2.3605	16.5366	2.80849825	0.00018329	No
ll11	0.31891	0.13378	-0.18513	8.22E-05	No	Axin1	30.5418	14.0598	-1.11921	30.5428	14.0608	-1.1191536	0.00018329	No
ll17c	0.8213	0.67996	-0.14134	0.00092821	No	Axin2	21.1491	2.48182	-3.09113	21.1501	2.48282	-3.0906129	0.00018329	No
ll1r2	0.8012	0.29943	-0.50177	6.50E-07	No	Axl	0	6.03576	inf	0.001	6.03676	12.5595587	0.00018329	No
ll1rapl2	0.20411	0.088888	-0.115222	0.01544668	No	Azi1	4.94222	21.032	2.08936	4.94322	21.033	2.08913162	0.00018329	No
ll22ra1	0.71038	0.50955	-0.20083	0.03760671	No	Azi2	47.7467	24.9387	-0.937012	47.7477	24.9397	-0.9369871	0.00082046	No
ll4	0.7583	0.26424	-0.49406	0.00142182	No	B230118H07 Rik	5.62372	70.1355	3.64055	5.62472	70.1365	3.64031225	0.00018329	No
lna	0.11332	0.047391	-0.065929	0.00049132	No	B230216G23 Rik	0.0746092	3.55438	5.5741	0.0756092	3.55538	5.55529816	0.0100349	No
lnhbe	0.5146	0.15627	-0.35833	7.19E-07	No	B2m	3309.15	838.624	-1.98037	3309.151	838.625	-1.9803634	0.00799878	No
lnpp5a	0.68682	0.42666	-0.26016	0.00034148	No	B3galnt2	21.4012	8.30828	-1.36507	21.4022	8.30928	-1.3649637	0.0116961	No
linsig1	0.26108	0.18716	-0.07392	5.90E-05	No	B3galt5	1.45385	2.77582	0.933034	1.45485	2.77682	0.93256325	0.0118093	No
lrf2bp1	0.71418	0.19828	-0.5159	3.77E-12	No	B3gat1	0	0.638355	inf	0.001	0.639355	9.3204734	0.00603614	No
lrf6	0.24545	0.079384	-0.166066	0.00142182	No	B3glct	2.45056	5.94573	1.27874	2.45156	5.94673	1.2783965	0.00018329	No
lrf8	0.63353	0.43781	-0.19572	0.00275507	No	B3gnt2	98.0637	19.3368	-2.34237	98.0647	19.3378	-2.3423102	0.00018329	No
lrgm	0.001528	0.092159	0.090631	5.08E-07	No	B3gnt5	0.915476	0.0628257	-3.86509	0.916476	0.0638257	-3.8438877	0.0063852	No
lrx4	0.074306	0.014972	-0.059334	4.00E-05	No	B4galnt1	51.8903	12.7033	-2.03026	51.8913	12.7043	-2.0301758	0.00051281	No
lsg2012	0.094328	0.18171	0.087382	0.00034724	No	B4galnt2	0.0965544	1.48244	3.94049	0.0975544	1.48344	3.92659582	0.016558	No
ltga8	0.82515	0.43762	-0.38753	3.15E-05	No	B4galnt4	0.479417	2.6545	2.46909	0.480417	2.6555	2.46662442	0.00111812	No
ltgbl1	0.64543	0.43808	-0.20735	2.26E-05	No	B4galt1	35.4576	16.0777	-1.14104	35.4586	16.0787	-1.1409848	0.00082046	No
ltih1	0.70013	0.51749	-0.18264	0.03032002	No	B4galt3	18.3298	32.9179	0.844685	18.3308	32.9189	0.84464638	0.0063852	No
ltpka	0.47511	0.19628	-0.27883	6.21E-07	No	B4galt4	0.348673	3.90025	3.48362	0.349673	3.90125	3.47985814	0.00018329	No
lmjd8	0.96691	0.75153	-0.21538	2.16E-06	No	B4galt5	8.34031	16.1605	0.954301	8.34131	16.1615	0.95421522	0.0111567	No
ljph2	0.85237	0.55882	-0.29355	8.22E-05	No	B4galt6	0.11743	5.73157	5.60906	0.11843	5.73257	5.59707558	0.00018329	No
ljph3	0.10811	0.042184	-0.065926	0.00017463	No	B630005N1 4Rik	9.87962	3.98171	-1.31107	9.88062	3.98271	-1.3108511	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kbtbd4	0.82287	0.51679	-0.30608	3.76E-05	No	B930041F14 Rik	0	0.799905	inf	0.001	0.800905	9.64548732	0.00018329	No
Kbtbd6	0.31539	0.16634	-0.14905	1.12E-06	No	B9d1	1.92571	11.4757	2.57512	1.92671	11.4767	2.57449653	0.00018329	No
Kbtbd7	0.31539	0.16634	-0.14905	1.12E-06	No	Baat	0.0338036	0.779398	4.52711	0.0348036	0.780398	4.48690163	0.017077	No
Kcna5	0.1844	0.33241	0.14801	4.05E-06	No	Bach1	7.52062	3.8916	-0.950488	7.52162	3.8926	-0.9503093	0.0183081	No
Kcnb1	0.46056	0.37271	-0.08785	0.01464158	No	Bach2	29.7142	4.02073	-2.88562	29.7152	4.02173	-2.885313	0.00018329	No
Kcnc1	0.53807	0.18842	-0.34965	1.12E-06	No	Bag2	0.815543	12.3547	3.92116	0.816543	12.3557	3.91950408	0.00018329	No
Kcnd1	0.55757	0.32297	-0.2346	0.04893199	No	Bahcc1	0	0.739698	inf	0.001	0.740698	9.53274163	0.00018329	No
Kcnd3	0.17551	0.039381	-0.136129	0.0023061	No	Baiap2	5.56094	21.0524	1.92059	5.56194	21.0534	1.92039315	0.00035173	No
Kcne2	0.80521	0.40344	-0.40177	1.01E-05	No	Baiap2l1	1.09728	8.66888	2.98192	1.09828	8.66988	2.98076612	0.00018329	No
Kcne5	0.65248	0.33252	-0.31996	0.00022961	No	Baiap2l2	2.26422	41.6377	4.20081	2.26522	41.6387	4.20020195	0.00018329	No
Kcnf1	0.74568	0.61362	-0.13206	0.0445679	No	Baiap3	41.3157	9.0388	-2.19249	41.3167	9.0398	-2.1923623	0.00066911	No
Kcng1	0.090781	0.25439	0.163609	5.44E-06	No	Bambi	0.490607	38.7067	6.30187	0.491607	38.7077	6.29897132	0.00018329	No
Kcng4	0.09838	0.16328	0.0649	0.02160305	No	Bank1	1.48808	0.351906	-2.08019	1.48908	0.352906	-2.0770654	0.00018329	No
Kcnh1	0.063101	0.0096612	-0.0534398	0.00125283	No	Barx2	0	0.643875	inf	0.001	0.644875	9.33287573	0.00018329	No
Kcnh3	0.093546	0.036081	-0.057465	0.00049132	No	Baz1a	21.3067	7.35532	-1.53445	21.3077	7.35632	-1.5343187	0.00018329	No
Kcnh7	0.089945	0.030022	-0.059923	3.58E-09	No	Baz1b	33.9323	17.5492	-0.951252	33.9333	17.5502	-0.9512143	0.00082046	No
Kcnip1	0.12746	0.046164	-0.081296	1.67E-09	No	Baz2a	55.2186	14.9549	-1.88454	55.2196	14.9559	-1.8844657	0.00018329	No
Kcnj14	0.5164	0.24953	-0.26687	3.77E-12	No	Baz2b	32.2152	10.3096	-1.64375	32.2162	10.3106	-1.643658	0.00018329	No
Kcnj3	0.087516	0.033431	-0.054085	5.43E-09	No	Bbs1	0.339378	7.66883	4.49804	0.340378	7.66983	4.4939849	0.00018329	No
Kcnk13	0.074256	0.25048	0.176224	0.00017463	No	Bbs2	8.98972	38.1837	2.08661	8.99072	38.1847	2.08648613	0.00018329	No
Kcnk2	0.07452	0.017045	-0.057475	7.89E-05	No	Bbs5	1.62541	8.99859	2.46889	1.62641	8.99959	2.46816829	0.00018329	No
Kcnk4	0.16444	0.060466	-0.103974	1.77E-06	No	BC021891	0	6.01936	inf	0.001	6.02036	12.555634	0.00018329	No
Kcnk9	0.16056	0.072804	-0.087756	0.00368736	No	BC030307	0.196848	1.08774	2.46618	0.197848	1.08874	2.46019508	0.00615197	No
Kcnma1	0.074116	0.0092864	-0.0648296	0.00768781	No	BC030867	0.0553804	0.588427	3.40941	0.0563804	0.589427	3.38604753	0.00709238	No
Kcnn1	0.43082	0.13392	-0.2969	3.27E-07	No	BC068281	1.45478	3.88844	1.41839	1.45578	3.88944	1.4177701	0.0242348	No
Kcns2	0.1	0.03823	-0.06177	0.00219565	No	Bcam	0	184.362	inf	0.001	184.363	17.4921896	0.00018329	No
Kctd11	0.84507	0.50719	-0.33788	2.23E-06	No	Bcap29	85.0489	12.4011	-2.77782	85.0499	12.4021	-2.7777251	0.00018329	No
Kctd7	0.8264	0.69619	-0.13021	0.00455632	No	Bcar1	0.0597075	28.4288	8.89522	0.0607075	28.4298	8.87131347	0.046173	No
Kdf1	0.66876	0.17981	-0.48895	2.30E-10	No	Bcar3	0.473922	9.7135	4.35727	0.474922	9.7145	4.35437725	0.00018329	No
Kdm6b	0.89876	0.5609	-0.33786	8.72E-07	No	Bcas2	112.913	51.4336	-1.13442	112.914	51.4346	-1.1344133	0.00018329	No
Kdsr	0.48929	0.19404	-0.29525	1.22E-08	No	Bckdha	29.8032	111.41	1.90234	29.8042	111.411	1.90230413	0.00018329	No
Khdrbs2	0.097184	0.032252	-0.064932	0.00013739	No	Bckdhb	27.7648	109.062	1.97383	27.7658	109.063	1.97378088	0.00018329	No
Khdrbs3	0.89822	0.63776	-0.26046	5.90E-05	No	BCL11B	54.0527	3.81681	-3.82393	54.0537	3.81781	-3.8235762	0.00018329	No
Kiaa0895l	0.22649	0.076296	-0.150194	0.0103156	No	Bcl2	25.4561	4.91514	-2.37271	25.4571	4.91614	-2.3724702	0.00018329	No
Kif26a	0.28759	0.079667	-0.207923	0.00120161	No	Bcl2a1	19.1612	61.3811	1.67961	19.1622	61.3821	1.6795548	0.00018329	No
Kif2b	0.9271	0.71958	-0.20752	9.15E-06	No	Bcl2l1	5.89002	70.1187	3.57346	5.89102	70.1197	3.57323047	0.00018329	No
Kiss1r	0.11011	0.042296	-0.067814	0.01265586	No	BCL2L11	9.51787	2.97245	-1.67899	9.51887	2.97345	-1.6786525	0.00018329	No
Klc1	0.20075	0.056028	-0.144722	0.00294427	No	Bcl2l14	0.20412	4.08178	4.32171	0.20512	4.08278	4.31501176	0.00018329	No
Klf14	0.29394	0.13998	-0.15396	1.72E-09	No	Bcl6	4.40353	9.32729	1.0828	4.40453	9.32829	1.08262456	0.00051281	No
Klf16	0.015449	0.068482	0.053033	0.00011533	No	Bcl7a	1.07871	7.64638	2.82547	1.07971	7.64738	2.82432169	0.00018329	No
Klhl38	0.88755	0.79033	-0.09722	0.01544668	No	Bcl9l	26.0577	9.42092	-1.46777	26.0587	9.42192	-1.4676721	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Klhl41	0.87637	0.62126	-0.25511	0.00120161	No	Bclaf1	77.1156	40.4568	-0.93064	77.1166	40.4578	-0.9306236	0.0323887	No
Krt1	0.85449	0.74172	-0.11277	0.00832699	No	Bcs1l	2.69937	6.02769	1.15898	2.70037	6.02869	1.15868745	0.00224282	No
Krt25	0.76171	0.64618	-0.11553	0.02915203	No	Bdh2	3.14663	37.1589	3.56183	3.14763	37.1599	3.56140875	0.00018329	No
Krt27	0.86563	0.80628	-0.05935	0.01349957	No	Bdp1	10.6177	4.40002	-1.27089	10.6187	4.40102	-1.2706973	0.00018329	No
Krt72	0.91694	0.73783	-0.17911	1.17E-05	No	Bend5	2.86798	14.0599	2.29347	2.86898	14.0609	2.29307912	0.00018329	No
Krt75	0.74583	0.5972	-0.14863	0.02160305	No	Bend7	0	3.8014	inf	0.001	3.8024	11.8926946	0.00018329	No
Krt83	0.77074	0.37677	-0.39397	3.77E-12	No	Bex1	15.1562	36.2193	1.25685	15.1572	36.2203	1.25679523	0.00051281	No
Krtap19-5	0.96341	0.86343	-0.09998	0.00142182	No	Bex2	2.37686	8.28274	1.80105	2.37786	8.28374	1.8006185	0.00154856	No
Kxd1	0.90347	0.76837	-0.1351	0.0017951	No	Bhlhe22	3.50226	0.0842539	-5.3774	3.50326	0.0852539	-5.3607884	0.00018329	No
L3hypdh	0.63203	0.14656	-0.48547	5.63E-11	No	Bhlhe40	3.39028	34.3372	3.34029	3.39128	34.3382	3.33991261	0.00018329	No
Lag3	0.1655	0.34687	0.18137	7.55E-07	No	Bicc1	0.157657	31.087	7.62338	0.158657	31.088	7.61430282	0.00018329	No
Lamp5	0.071019	0.044168	-0.026851	0.00692761	No	Bicd2	9.37347	21.4	1.19095	9.37447	21.401	1.19086918	0.0128946	No
Lbx1	0.10575	0.035448	-0.070302	0.00542685	No	Bid	44.0734	10.2836	-2.09957	44.0744	10.2846	-2.0994552	0.00066911	No
Lbx2	0.15394	0.077501	-0.076439	0.00294427	No	Bin1	186.164	78.0495	-1.25411	186.165	78.0505	-1.2541021	0.00018329	No
Lect1	0.84549	0.77404	-0.07145	0.0103156	No	Bin2	163.717	96.0002	-0.77009	163.718	96.0012	-0.7700886	0.012679	No
Lefty1	0.22117	0.072169	-0.149001	2.72E-05	No	Birc2	29.3787	14.6327	-1.00557	29.3797	14.6337	-1.0055251	0.00035173	No
Lgals7	0.8876	0.69036	-0.19724	1.79E-05	No	Birc5	2.01597	5.10201	1.33959	2.01697	5.10301	1.33915884	0.00698138	No
Lhx2	0.089673	0.17451	0.084837	0.00368736	No	BIVM	6.57576	11.909	0.856827	6.57676	11.91	0.85672448	0.0122333	No
Lhx5	0.11142	0.038178	-0.073242	7.48E-05	No	Blcap	21.0019	37.8571	0.850047	21.0029	37.8581	0.85001346	0.00097029	No
Lhx6	0.099409	0.042615	-0.056794	0.00955793	No	Blk	1.27528	0.548696	-1.21673	1.27628	0.549696	-1.215239	0.0341877	No
Lif	0.29442	0.098228	-0.196192	0.00368736	No	Blnk	1.48539	26.1307	4.13683	1.48639	26.1317	4.13591638	0.00018329	No
Lin7a	0.08344	0.03263	-0.05081	0.0031273	No	Bloc1s1	80.113	172.205	1.10402	80.114	172.206	1.10400913	0.00035173	No
Lingo3	0.7506	0.56202	-0.18858	0.00186467	No	Bloc1s2	66.2678	32.099	-1.04578	66.2688	32.1	-1.0457565	0.00018329	No
Lmx1a	0.18093	0.068674	-0.112256	0.01349957	No	Bloc1s5	11.3739	24.1099	1.0839	11.3749	24.1109	1.08383164	0.00066911	No
Lmx1b	0.093629	0.041899	-0.05173	1.42E-08	No	Blvra	18.6559	33.4183	0.841008	18.6569	33.4193	0.84097222	0.00788539	No
LOC100125364	0.24956	0.087806	-0.161754	0.00011924	No	BLVRB	8.55382	16.0474	0.907701	8.55482	16.0484	0.90762007	0.0183081	No
LOC100362783	0.96045	0.2751	-0.68535	1.74E-11	No	Blzf1	11.5739	5.5607	-1.05753	11.5749	5.5617	-1.0574019	0.00066911	No
LOC100909539	0.13615	0.053673	-0.082477	0.00128825	No	Bmf	1.01181	3.99784	1.98229	1.01281	3.99884	1.981218	0.00035173	No
LOC100911068	0.96103	0.9032	-0.05783	0.01544668	No	Bmp1	0.576002	12.7866	4.47241	0.577002	12.7876	4.47002539	0.00018329	No
LOC102549772	0.92296	0.82155	-0.10141	0.00351975	No	Bmp2	0	1.75448	inf	0.001	1.75548	10.7776498	0.00018329	No
LOC102553190	0.0403	0.15841	0.11811	1.12E-06	No	Bmp7	3.07567	28.528	3.2134	3.07667	28.529	3.21298756	0.00018329	No
LOC106182250	0.85813	0.6085	-0.24963	4.67E-05	No	Bmpr1a	0.0640864	8.46914	7.04605	0.0650864	8.47014	7.02388589	0.00018329	No
LOC106736471	0.65175	0.41229	-0.23946	0.00868315	No	Bmpr1b	0	0.624474	inf	0.001	0.625474	9.2888061	0.00018329	No
LOC257642	0.32255	0.18826	-0.13429	3.15E-05	No	Bmpr2	3.11028	7.45059	1.26031	3.11128	7.45159	1.26004006	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
LOC310926	0.4119	0.27097	-0.14093	0.00077922	No	Bms1	26.7825	15.1755	-0.819545	26.7835	15.1765	-0.8195054	0.00506686	No
LOC500077	0.3324	0.25041	-0.08199	0.00128825	No	Bnip3	2.08897	63.9664	4.93645	2.08997	63.9674	4.93578271	0.00018329	No
LOC500331	0.92468	0.44109	-0.48359	3.77E-12	No	Bnip3l	59.1838	31.831	-0.894767	59.1848	31.832	-0.8947489	0.00066911	No
LOC500567	0.95021	0.5444	-0.40581	3.78E-09	No	Boc	0.275186	4.68088	4.0883	0.276186	4.68188	4.08337586	0.00018329	No
LOC681383	0.39637	0.17458	-0.22179	0.00021046	No	BOD1	9.17676	21.0647	1.19877	9.17776	21.0657	1.19868187	0.00111812	No
LOC681766	0.43616	0.24755	-0.18861	1.14E-07	No	Bod1l	26.2173	11.5891	-1.17776	26.2183	11.5901	-1.1776811	0.00238141	No
LOC682102	0.22248	0.083684	-0.138796	3.48E-05	No	Bola1	26.6568	53.6929	1.01023	26.6578	53.6939	1.01020047	0.00126492	No
LOC687707	0.90292	0.77863	-0.12429	0.00351975	No	Bora	6.46064	1.88068	-1.78042	6.46164	1.88168	-1.7798791	0.015599	No
LOC688765	0.17698	0.080306	-0.096674	0.00196002	No	Bpgm	13.873	28.2966	1.02835	13.874	28.2976	1.02829591	0.00082046	No
LOC689959	0.15328	0.058418	-0.094862	0.0445679	No	Bphl	0.268133	32.6703	6.92889	0.269133	32.6713	6.92356075	0.00018329	No
LOC690435	0.73449	0.28638	-0.44811	3.77E-12	No	Bpnt1	11.7622	25.6568	1.12519	11.7632	25.6578	1.1251169	0.00018329	No
LOC690617	0.85468	0.42471	-0.42997	3.77E-12	No	Brap	19.9595	10.7207	-0.896672	19.9605	10.7217	-0.8966142	0.0229171	No
LOC691153	0.49758	0.1447	-0.35288	3.77E-12	No	Brd1	35.1384	14.6497	-1.26217	35.1394	14.6507	-1.26212	0.00018329	No
Lrp4	0.13677	0.044288	-0.092482	5.85E-07	No	Brd4	37.5859	14.4846	-1.37567	37.5869	14.4856	-1.3756105	0.00018329	No
Lrrc14b	0.96318	0.89175	-0.07143	5.00E-06	No	Brf2	11.379	6.76012	-0.751257	11.38	6.76112	-0.7511664	0.0339945	No
Lrrc26	0.25601	0.1008	-0.15521	2.23E-06	No	Bri3	75.9482	258.175	1.76526	75.9492	258.176	1.76524822	0.00018329	No
Lrrc3	0.46102	0.18501	-0.27601	0.00832699	No	Bricd5	6.81182	22.0781	1.6965	6.81282	22.0791	1.69635737	0.00948282	No
Lrrc4b	0.0973	0.045988	-0.051312	0.03275343	No	Brk1	109.439	68.2351	-0.681541	109.44	68.2361	-0.681533	0.00811172	No
Lrrc52	0.89128	0.59776	-0.29352	3.48E-05	No	Brpf1	14.6566	8.23518	-0.831679	14.6576	8.23618	-0.8316016	0.00380824	No
Lrrc55	0.9588	0.89552	-0.06328	0.00955793	No	Brsk1	0.781819	2.88002	1.88117	0.782819	2.88102	1.879829	0.0258543	No
Lrrc71	0.60264	0.19829	-0.40435	0.00034148	No	Brwd3	2.18998	1.01909	-1.10364	2.19098	1.02009	-1.1028799	0.012679	No
Lrrc8d	0.87831	0.34535	-0.53296	1.12E-06	No	Bsg	103.962	604.716	2.54019	103.963	604.717	2.54018997	0.00018329	No
Lrrc8e	0.5137	0.17545	-0.33825	0.00054569	No	Bsnd	0	26.9754	inf	0.001	26.9764	14.7194102	0.00018329	No
Lrrfip1	0.0027273	0.19229	0.1895627	8.08E-07	No	Bspry	3.9024	44.4433	3.50953	3.9034	44.4443	3.50919519	0.00018329	No
Lrrn4cl	0.90869	0.77091	-0.13778	0.00060029	No	Bst1	4.89546	76.0546	3.95752	4.89646	76.0556	3.95724347	0.00018329	No
Lta	0.0059001	0.37687	0.3709699	4.09E-12	No	Btaf1	10.4357	5.04707	-1.048	10.4367	5.04807	-1.0478618	0.00051281	No
Ltb4r	0.59967	0.44762	-0.15205	0.02160305	No	Btbd2	14.8712	24.3619	0.712109	14.8722	24.3629	0.7120678	0.0134442	No
Ltbp2	0.10919	0.043471	-0.065719	2.95E-10	No	Btc	0	0.94522	inf	0.001	0.94622	9.88603184	0.00018329	No
Ly49i7	0.75105	0.61697	-0.13408	0.0279946	No	Btd	5.50431	23.691	2.10571	5.50531	23.692	2.10550428	0.00018329	No
Lypd2	0.7413	0.51749	-0.22381	0.01448681	No	Btf3	877.798	391.996	-1.16305	877.799	391.997	-1.163048	0.00018329	No
Lyzl6	0.20401	0.064762	-0.139248	0.01105145	No	Btg1	1805.16	336.123	-2.42506	1805.161	336.124	-2.4250621	0.00018329	No
Mab211i	0.060751	0.16229	0.101539	1.42E-06	No	Btg2	345.88	106.392	-1.70089	345.881	106.393	-1.7008725	0.00018329	No
Mab211l2	0.042813	0.50736	0.464547	2.30E-10	No	Btg3	3.30313	20.4912	2.6331	3.30413	20.4922	2.63273252	0.00018329	No
Madcam1	0.68615	0.56778	-0.11837	0.03275343	No	Btla	12.1262	0.650804	-4.21976	12.1272	0.651804	-4.2176645	0.0114728	No
Mael	0.93535	0.82043	-0.11492	0.00102242	No	Bub1	0.423772	1.2711	1.58472	0.424772	1.2721	1.58245151	0.00018329	No
Map3k10	0.62539	0.3818	-0.24359	0.00085417	No	Bub1b	0.131985	0.591073	2.16296	0.132985	0.592073	2.15451154	0.0160313	No
Map3k6	0.11877	0.041187	-0.077583	0.00674226	No	Bzw1	79.8647	39.575	-1.01297	79.8657	39.576	-1.0129502	0.00018329	No
Map3k7cl	0.63973	0.27642	-0.36331	0.00455632	No	Bzw2	60.1783	30.7043	-0.970802	60.1793	30.7053	-0.9707796	0.00051281	No
Map7d1	0.00125	0.064327	0.063077	9.35E-05	No	C030039L03 Rik	1.58518	0.465265	-1.76852	1.58618	0.466265	-1.7663345	0.00018329	No
Mapk12	0.16056	0.058386	-0.102174	1.41E-05	No	C1galt1	11.9181	6.58713	-0.855428	11.9191	6.58813	-0.8553344	0.00210945	No
Mapk9	0.11099	0.039834	-0.071156	0.0341213	No	C1galt1c1	5.88236	17.989	1.61265	5.88336	17.99	1.61248296	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mark3	0.13539	0.040811	-0.094579	0.00575049	No	C1qa	0	33.6204	inf	0.001	33.6214	15.0370922	0.00018329	No
Mbd6	0.4547	0.23436	-0.22034	0.01105145	No	C1qb	0	28.6658	inf	0.001	28.6668	14.8070932	0.00018329	No
Mboat4	0.82151	0.65182	-0.16969	0.00023303	No	C1qc	0	41.7427	inf	0.001	41.7437	15.3492709	0.00018329	No
Mc3r	0.7127	0.60004	-0.11266	0.00202969	No	C1ql4	0	2.47751	inf	0.001	2.47851	11.2752574	0.00018329	No
Mchr1	0.92913	0.80688	-0.12225	9.72E-06	No	C2	0.448407	9.00696	4.32816	0.449407	9.00796	4.32510592	0.00018329	No
Mdga2	0.1104	0.014327	-0.096073	0.00625768	No	C2cd2	2.20001	3.86812	0.814127	2.20101	3.86912	0.81383977	0.0115803	No
Mesdc1	0.28698	0.043154	-0.243826	3.07E-10	No	C3	0.28039	5.6444	4.33132	0.28139	5.6454	4.32643284	0.00018329	No
Mfge8	0.035257	0.32137	0.286113	4.46E-06	No	C3ar1	0.0836	2.01848	4.59362	0.0846	2.01948	4.57718238	0.00481718	No
Mgarp	0.66481	0.43086	-0.23395	0.02284827	No	C4b	0.6827	14.5405	4.41268	0.6837	14.5415	4.41066886	0.0256525	No
Mgat4c	0.66278	0.25854	-0.40424	0.00142182	No	C4bpb	0.0815558	0.902064	3.46737	0.0825558	0.903064	3.45138675	0.030565	No
Mgat4d	0.45061	0.20615	-0.24446	0.0001006	No	C5	0.0531841	4.35785	6.35648	0.0541841	4.35885	6.32993418	0.00035173	No
MGC116121	0.78719	0.64413	-0.14306	0.00692761	No	C5ar1	0.539698	5.40278	3.32348	0.540698	5.40378	3.32107402	0.00018329	No
MGC94207	0.79647	0.30123	-0.49524	3.85E-12	No	Caap1	16.3125	7.37023	-1.1462	16.3135	7.37123	-1.1460891	0.00018329	No
Miat	0.10023	0.048448	-0.051782	0.00405617	No	Cacfd1	6.26361	22.2779	1.83055	6.26461	22.2789	1.8303814	0.00097029	No
Mif4gd	0.96911	0.79542	-0.17369	2.26E-05	No	Cacna1d	0.0124975	2.52697	7.65962	0.0134975	2.52797	7.54914332	0.0147272	No
Mir1199	0.079521	0.0234	-0.056121	0.01349957	No	Cacnb2	0.4122	1.07663	1.3851	0.4132	1.07763	1.38294976	0.00799878	No
Mir124-3	0.10517	0.034895	-0.070275	0.04680399	No	Cacnb3	0.109435	6.23974	5.83333	0.110435	6.24074	5.82044773	0.00393885	No
Mir1247	0.17216	0.057595	-0.114565	2.79E-05	No	Cacul1	20.9466	11.3617	-0.882536	20.9476	11.3627	-0.8824793	0.00445502	No
Mir126	0.83765	0.76907	-0.06858	0.00509659	No	Cad	26.1712	12.016	-1.12302	26.1722	12.017	-1.1229584	0.00051281	No
Mir137	0.10399	0.045896	-0.058094	0.00575049	No	Cadm1	0.151442	7.10838	5.55268	0.152442	7.10938	5.5433914	0.00018329	No
Mir138-2	0.26987	0.49076	0.22089	4.04E-05	No	Cadps2	0.198404	7.0747	5.15616	0.199404	7.0757	5.14910663	0.0161386	No
Mir141	0.85519	0.69004	-0.16515	0.00033772	No	Calcr	0	2.37883	inf	0.001	2.37983	11.2166428	0.00018329	No
Mir149	0.084276	0.23425	0.149974	0.00128825	No	Calcl	7.23954	1.43649	-2.33335	7.24054	1.43749	-2.3325454	0.00018329	No
Mir182	0.56818	0.76166	0.19348	0.00085417	No	Cald1	0.0164713	66.8845	11.9875	0.0174713	66.8855	11.9024908	0.00018329	No
Mir196a	0.061669	0.19532	0.133651	2.61E-11	No	Calhm2	3.43068	5.92682	0.788763	3.43168	5.92782	0.78858661	0.0371206	No
Mir196c	0.11282	0.41976	0.30694	3.77E-12	No	Calml1	267.172	139.043	-0.942237	267.173	139.044	-0.9422327	0.00140841	No
Mir203	0.1071	0.029164	-0.077936	2.64E-06	No	Calml3	0	3.57615	inf	0.001	3.57715	11.8045949	0.00018329	No
Mir205	0.87981	0.78123	-0.09858	0.02412126	No	Calml4	1.09064	57.2669	5.71446	1.09164	57.2679	5.71315763	0.00018329	No
Mir25	0.92712	0.71538	-0.21174	6.69E-05	No	Caln1	0	10.2345	inf	0.001	10.2355	13.321294	0.00018329	No
Mir295-1	0.73903	0.53269	-0.20634	0.0001859	No	Camk1	0.35053	23.0403	6.03848	0.35153	23.0413	6.03443049	0.00066911	No
Mir2964	0.97582	0.61033	-0.36549	6.50E-07	No	Camk1d	3.62943	1.05063	-1.78848	3.63043	1.05163	-1.7875132	0.00018329	No
Mir3065	0.79495	0.2281	-0.56685	3.77E-12	No	Camk2d	19.6612	12.4555	-0.658566	19.6622	12.4565	-0.658526	0.0181001	No
Mir326	0.77306	0.4879	-0.28516	0.00102242	No	Camk4	57.1621	13.1373	-2.1214	57.1631	13.1383	-2.1213055	0.00018329	No
Mir331	0.86092	0.73359	-0.12733	0.01265586	No	Camsap3	0.0362802	19.4078	9.06324	0.0372802	19.4088	9.02408561	0.0317975	No
Mir341	0.41734	0.28063	-0.13671	3.06E-06	No	Camta1	6.16341	0.573241	-3.42651	6.16441	0.574241	-3.4242346	0.00018329	No
Mir34a	0.85828	0.68346	-0.17482	0.0023061	No	Cand2	0.692148	3.49227	2.33501	0.693148	3.49327	2.33334282	0.00018329	No
Mir3547	0.96485	0.74605	-0.2188	7.19E-07	No	Cap1	197.889	90.1195	-1.13478	197.89	90.1205	-1.1347715	0.00018329	No
Mir3558	0.81141	0.75091	-0.0605	0.0279946	No	Capg	17.1365	95.8823	2.48419	17.1375	95.8833	2.4841229	0.00018329	No
Mir3569	0.57083	0.14633	-0.4245	1.35E-07	No	Capn1	48.187	72.8485	0.596256	48.188	72.8495	0.59624515	0.0286648	No
Mir3590	0.24054	0.10578	-0.13476	0.00028052	No	Capn13	0	0.89876	inf	0.001	0.89976	9.81339642	0.00018329	No
Mir378	0.50265	0.18662	-0.31603	0.00164763	No	Capn5	15.0105	22.9833	0.614609	15.0115	22.9843	0.61458059	0.0255527	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mir431	0.84579	0.7722	-0.07359	0.02915203	No	Capn6	0	2.2324	inf	0.001	2.2334	11.1250259	0.00018329	No
Mir455	0.78481	0.48333	-0.30148	8.62E-05	No	Caprin2	5.48751	10.0143	0.86784	5.48851	10.0153	0.86771919	0.0434518	No
Mir6314	0.42695	0.23261	-0.19434	0.00142182	No	Capza1	153.105	27.5922	-2.47219	153.106	27.5932	-2.4721461	0.00018329	No
Mir6315	0.8204	0.76828	-0.05212	0.02680411	No	Capza2	96.5865	51.0053	-0.921173	96.5875	51.0063	-0.921161	0.00018329	No
Mir6316	0.77068	0.67234	-0.09834	0.03863139	No	Capzb	412.094	173.819	-1.24539	412.095	173.82	-1.2453829	0.00018329	No
Mir6326	0.19577	0.036579	-0.159191	0.00108973	No	Car11	3.18879	33.4512	3.39098	3.18979	33.4522	3.39056774	0.00018329	No
Mir6328	0.0049476	0.33094	0.3259924	6.02E-11	No	Car12	0.23236	174.999	9.55677	0.23336	175	9.55058192	0.00018329	No
Mir6333	0.55403	0.21969	-0.33434	3.91E-05	No	Car2	47.0121	291.016	2.62999	47.0131	291.017	2.62996871	0.00018329	No
Mir671	0.76539	0.69344	-0.07195	0.04680399	No	Car3	0	3.15197	inf	0.001	3.15297	11.6224957	0.00018329	No
Mir675	0.59671	0.40325	-0.19346	0.03760671	No	Car5b	0.161108	23.353	7.17944	0.162108	23.354	7.17057057	0.00018329	No
Mir678	0.97902	0.92224	-0.05678	0.00294427	No	Card11	28.8822	10.0186	-1.5275	28.8832	10.0196	-1.5274057	0.00018329	No
Mir702	0.89818	0.82796	-0.07022	0.01621946	No	Card6	23.5662	3.29423	-2.8387	23.5672	3.29523	-2.8383293	0.00018329	No
Mir711	0.91344	0.8322	-0.08124	0.00625768	No	Card9	0.273747	12.8916	5.55745	0.274747	12.8926	5.5522957	0.00018329	No
Mir9-1	0.1399	0.053897	-0.086003	0.02028318	No	Carf	4.41645	2.25956	-0.966848	4.41745	2.26056	-0.9665336	0.0368491	No
Mir92b	0.89716	0.78708	-0.11008	0.00085417	No	Casc3	20.7651	6.45479	-1.68572	20.7661	6.45579	-1.6855647	0.00018329	No
Mir9-3	0.10944	0.030724	-0.078716	1.57E-05	No	Casd1	27.7361	6.95026	-1.99663	27.7371	6.95126	-1.9964705	0.00018329	No
Mir99b	0.83063	0.41425	-0.41638	3.77E-12	No	Cask	1.19215	3.18543	1.41793	1.19315	3.18643	1.41716554	0.0125688	No
Misp	0.9057	0.31264	-0.59306	6.50E-07	No	Caskin2	0.210495	13.0254	5.9514	0.211495	13.0264	5.94467107	0.00591487	No
Mixl1	0.14185	0.038228	-0.103622	0.00040512	No	Casp1	80.4621	22.7295	-1.82374	80.4631	22.7305	-1.8236979	0.00018329	No
Mk1	0.88585	0.72058	-0.16527	0.00102242	No	Casp12	0.253229	6.40338	4.66032	0.254229	6.40438	4.6548584	0.00018329	No
Mmd2	0.16864	0.06717	-0.10147	0.00575049	No	Casp3	16.6797	11.3094	-0.560571	16.6807	11.3104	-0.5605299	0.0496987	No
Mmel1	0.64267	0.50139	-0.14128	0.01527608	No	Casp7	6.1193	13.4214	1.1331	6.1203	13.4224	1.13296838	0.00018329	No
Mmp14	0.14652	0.05882	-0.0877	0.01899425	No	Casp8ap2	5.59519	1.81453	-1.62459	5.59619	1.81553	-1.6240542	0.00018329	No
Mmp16	0.10712	0.050819	-0.056301	7.48E-05	No	Casz1	0.731368	8.66373	3.56632	0.732368	8.66473	3.56451413	0.00018329	No
Mos	0.29574	0.1208	-0.17494	0.00351975	No	Cat	23.887	126.949	2.40996	23.888	126.95	2.40990242	0.00018329	No
Mpp3	0.92647	0.7396	-0.18687	9.35E-05	No	Catip	0	1.28704	inf	0.001	1.28804	10.3309617	0.00393885	No
Mrc2	0.75851	0.3586	-0.39991	1.25E-07	No	Catsper4	0	1.76725	inf	0.001	1.76825	10.7881065	0.00018329	No
Mrpl14	0.49951	0.19473	-0.30478	0.00212541	No	Cav1	0.091287	9.42352	6.68971	0.092287	9.42452	6.6741479	0.00018329	No
Mrpl43	0.84634	0.70149	-0.14485	0.00015139	No	Cav2	1.08776	14.8661	3.7726	1.08876	14.8671	3.77136539	0.00018329	No
Mrpl53	0.97665	0.90477	-0.07188	3.91E-05	No	Cbfb	72.957	17.54	-2.05639	72.958	17.541	-2.0563352	0.00018329	No
Mrps2	0.3534	0.48838	0.13498	0.02284827	No	Cbl	14.7043	3.72748	-1.97997	14.7053	3.72848	-1.9796767	0.00018329	No
Mrps24	0.73397	0.62773	-0.10624	0.0445679	No	Cblb	23.9663	7.84801	-1.61061	23.9673	7.84901	-1.6104848	0.00018329	No
Msc	0.34153	0.15051	-0.19102	0.00542685	No	Cblc	0	10.379	inf	0.001	10.38	13.3415188	0.00018329	No
Msrb2	0.69429	0.22915	-0.46514	6.50E-07	No	Cbll1	15.178	4.83509	-1.65036	15.179	4.83609	-1.6501637	0.00018329	No
Mst1r	0.43779	0.53969	0.1019	0.04893199	No	Cbx3	150.939	76.3472	-0.983315	150.94	76.3482	-0.9833091	0.00018329	No
Mta2	0.89342	0.52908	-0.36434	3.76E-05	No	Cbx4	35.2034	10.2795	-1.77595	35.2044	10.2805	-1.7758453	0.00018329	No
Mtnr1b	0.29412	0.43741	0.14329	0.00021759	No	Cbx5	12.8044	28.0927	1.13356	12.8054	28.0937	1.13349432	0.00494262	No
Mvp	0.84407	0.45664	-0.38743	4.36E-05	No	Cbx6	2.33409	23.2345	3.31534	2.33509	23.2355	3.31478063	0.00018329	No
Myh10	0.14829	0.048966	-0.099324	3.91E-05	No	Cbx7	39.2953	15.3069	-1.36018	39.2963	15.3079	-1.3601171	0.00018329	No
Myh6	0.58561	0.30187	-0.28374	1.26E-05	No	CBY1	4.42688	21.4458	2.27633	4.42788	21.4468	2.27607438	0.00018329	No
Myocd	0.19218	0.066075	-0.126105	0.00060029	No	Cc2d1a	16.9962	62.4468	1.87741	16.9972	62.4478	1.87735364	0.00018329	No
Myod1	0.095853	0.03311	-0.062743	0.00663046	No	Cc2d2a	0.0971826	7.17188	6.20551	0.0981826	7.17288	6.19094131	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Myoz1	0.73221	0.49642	-0.23579	0.00740016	No	Ccar1	25.9396	15.3123	-0.760466	25.9406	15.3133	-0.7604266	0.00432763	No
Mypn	0.82562	0.68357	-0.14205	0.00085417	No	CCDC101	46.4761	20.3712	-1.18996	46.4771	20.3722	-1.1899183	0.00018329	No
Mzb1	0.16072	0.61376	0.45304	6.50E-07	No	Ccdc102a	6.55635	13.1836	1.00778	6.55735	13.1846	1.007669	0.0016929	No
Nab2	0.10913	0.43279	0.32366	0.00128825	No	Ccdc104	19.396	48.8172	1.33163	19.397	48.8182	1.33158556	0.00018329	No
Nacad	0.783	0.56881	-0.21419	0.00120161	No	Ccdc111	2.03845	0.706772	-1.52816	2.03945	0.707772	-1.5268235	0.00732142	No
Nagpa	0.85567	0.78145	-0.07422	0.00455632	No	Ccdc113	0.338172	22.4456	6.05253	0.339172	22.4466	6.04833605	0.038364	No
Nalcn	0.2926	0.12985	-0.16275	0.00722274	No	Ccdc114	1.31264	0.586207	-1.16299	1.31364	0.587207	-1.1616289	0.0473671	No
Nap15	0.38877	0.62143	0.23266	1.49E-07	No	CCDC115	64.8816	29.2284	-1.15044	64.8826	29.2294	-1.1504114	0.00018329	No
Naprt	0.9006	0.40122	-0.49938	6.19E-09	No	Ccdc124	62.5528	115.341	0.882755	62.5538	115.342	0.88274851	0.0018326	No
Narfl	0.75996	0.60314	-0.15682	0.04893199	No	Ccdc126	2.66736	7.47081	1.48585	2.66836	7.47181	1.48550445	0.00018329	No
Nat8	0.71005	0.25671	-0.45334	8.06E-06	No	Ccdc127	2.56202	6.05223	1.24018	2.56302	6.05323	1.23986043	0.00686277	No
Nat8f5	0.78817	0.29792	-0.49025	2.26E-05	No	Ccdc137	12.9624	5.87494	-1.14169	12.9634	5.87594	-1.1415526	0.00066911	No
Ndc80	0.78187	0.73025	-0.05162	0.01621946	No	Ccdc138	0.34861	4.21945	3.59737	0.34961	4.22045	3.59357848	0.00018329	No
Ndn	0.15709	0.10564	-0.05145	0.00214889	No	Ccdc141	0	9.89148	inf	0.001	9.89248	13.2721165	0.00018329	No
Ndn12	0.082063	0.01613	-0.065933	2.79E-05	No	Ccdc15	1.91997	0.429264	-2.16114	1.92097	0.430264	-2.1585409	0.00018329	No
Ndufa10l1	0.3985	0.61846	0.21996	5.20E-10	No	Ccdc155	1.04082	0.25154	-2.04886	1.04182	0.25254	-2.0445222	0.0204738	No
Ndufs6	0.82269	0.73649	-0.0862	0.00389531	No	Ccdc157	0.558182	2.45451	2.13662	0.559182	2.45551	2.13463287	0.0167708	No
Necab2	0.79056	0.68805	-0.10251	0.00091144	No	CCDC159	0.324592	4.90691	3.91811	0.325592	4.90791	3.91397164	0.0164547	No
Nectin4	0.74272	0.56782	-0.1749	0.02284827	No	Ccdc160	0	3.69118	inf	0.001	3.69218	11.8502572	0.00018329	No
Neil2	0.69918	0.47346	-0.22572	0.01178248	No	Ccdc163	2.41843	5.45351	1.17311	2.41943	5.45451	1.1727824	0.00755425	No
Nelfb	0.78405	0.60078	-0.18327	4.00E-05	No	Ccdc173	0.0950009	2.76348	4.8624	0.0960009	2.76448	4.84781639	0.0063852	No
Nelfcd	0.96057	0.84577	-0.1148	0.00722274	No	Ccdc181	5.59365	14.3833	1.36253	5.59465	14.3843	1.36237523	0.00018329	No
Nell1	0.086019	0.016748	-0.069271	6.69E-05	No	Ccdc27	0	2.43223	inf	0.001	2.43323	11.248657	0.0257522	No
Neto1	0.072288	0.020908	-0.05138	0.00049132	No	Ccdc28b	34.3052	21.5521	-0.670603	34.3062	21.5531	-0.6705739	0.0429385	No
Neu1	0.43376	0.21796	-0.2158	5.81E-06	No	Ccdc30	0.578615	6.51422	3.49292	0.579615	6.51522	3.49064706	0.00018329	No
Neur1	0.23437	0.12697	-0.1074	0.01621946	No	Ccdc32	8.61246	4.10535	-1.06892	8.61346	4.10635	-1.0687363	0.00251301	No
Neurod2	0.12553	0.065225	-0.060305	0.04680399	No	Ccdc37	0.635449	6.13389	3.27095	0.636449	6.13489	3.26892066	0.0355427	No
Neurog1	0.14904	0.039067	-0.109973	0.00015368	No	Ccdc51	2.9977	6.77118	1.17555	2.9987	6.77218	1.17528312	0.00342383	No
Neurog3	0.2225	0.067665	-0.154835	0.00102242	No	Ccdc53	34.0126	51.9131	0.61003	34.0136	51.9141	0.61001472	0.0349324	No
Nfasc	0.30857	0.14202	-0.16655	0.00885528	No	Ccdc6	9.93984	31.9572	1.68485	9.94084	31.9582	1.68474648	0.00018329	No
Nfkb1a	0.3558	0.17406	-0.18174	0.02284827	No	Ccdc64	96.0129	46.0302	-1.06065	96.0139	46.0312	-1.0606312	0.00419853	No
Ngb	0.315	0.15914	-0.15586	0.00152471	No	Ccdc68	0	2.97559	inf	0.001	2.97659	11.5394448	0.00018329	No
Ngfr	0.10667	0.043829	-0.062841	0.03760671	No	Ccdc69	54.9853	12.7356	-2.11018	54.9863	12.7366	-2.110092	0.00018329	No
Nhlrc1	0.2607	0.17149	-0.08921	0.00256829	No	Ccdc71	26.1073	11.3815	-1.19777	26.1083	11.3825	-1.1976911	0.0310472	No
Nipsnap3a	0.85566	0.73652	-0.11914	0.00420619	No	Ccdc71l	11.6809	4.64874	-1.32924	11.6819	4.64974	-1.329053	0.0178047	No
Nkx1-2	0.10449	0.034689	-0.069801	0.00196002	No	Ccdc74a	0	2.16253	inf	0.001	2.16353	11.0791714	0.00018329	No
Nkx2-5	0.50332	0.28827	-0.21505	0.00294427	No	Ccdc82	34.438	5.98837	-2.52377	34.439	5.98937	-2.5235671	0.00018329	No
Nkx2-8	0.12797	0.056064	-0.071906	1.98E-05	No	Ccdc88b	44.4657	17.4713	-1.3477	44.4667	17.4723	-1.3476558	0.00018329	No
Nkx3-1	0.10353	0.051751	-0.051779	0.03863139	No	Ccdc88c	29.6329	9.30977	-1.67038	29.6339	9.31077	-1.6702761	0.00018329	No
Nkx6-2	0.1019	0.039414	-0.062486	0.00054569	No	Ccdc92	0.754732	5.80495	2.94325	0.755732	5.80595	2.94158553	0.00018329	No
Nln	0.36445	0.18369	-0.18076	0.00275507	No	Ccdc94	24.8576	12.7147	-0.967191	24.8586	12.7157	-0.9671342	0.00066911	No
Nlrp6	0.79734	0.72483	-0.07251	0.00144766	No	Ccdc96	0.136671	0.879409	2.68582	0.137671	0.880409	2.6769492	0.0153859	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nmnat2	0.09971	0.045827	-0.053883	0.00010449	No	Cchcr1	7.31994	27.8235	1.9264	7.32094	27.8245	1.92625496	0.00018329	No
Nnat	0.92929	0.50269	-0.4266	5.17E-08	No	Ccl19	0	0.596258	inf	0.001	0.597258	9.22221046	0.00018329	No
Nodal	0.23067	0.12153	-0.10914	0.01105145	No	Ccl20	0	1.42082	inf	0.001	1.42182	10.4735231	0.00018329	No
Nol3	0.20896	0.34983	0.14087	1.01E-05	No	Ccl3	24.4345	242.133	3.30881	24.4355	242.134	3.30875514	0.00018329	No
Nol4	0.17792	0.059882	-0.118038	0.00012584	No	Ccl4	5.93192	44.3073	2.90097	5.93292	44.3083	2.90076274	0.00154856	No
Notch3	0.17804	0.062222	-0.115818	0.00070202	No	Ccl6	0.895405	16.3352	4.1893	0.896405	16.3362	4.18777793	0.00018329	No
Notch4	0.6908	0.45525	-0.23555	0.00077922	No	Ccl7	0	6.81861	inf	0.001	6.81961	12.7354735	0.00018329	No
Notum	0.1272	0.042864	-0.084336	0.0031273	No	Ccl9	0.881631	3.14868	1.8365	0.882631	3.14968	1.83532294	0.00154856	No
Npas1	0.12673	0.047678	-0.079052	0.0279946	No	Ccm2	73.4139	32.3662	-1.18157	73.4149	32.3672	-1.1815403	0.00018329	No
Npas4	0.25551	0.11113	-0.14438	2.26E-05	No	Ccm2l	0	1.4904	inf	0.001	1.4914	10.5424515	0.00018329	No
Npb	0.79096	0.31318	-0.47778	3.77E-12	No	Ccna2	0.671047	2.20159	1.71406	0.672047	2.20259	1.71256693	0.0031651	No
Npbwr1	0.098918	0.035551	-0.063367	0.00019103	No	Ccnb1ip1	3.14947	0.703879	-2.16171	3.15047	0.704879	-2.1601195	0.00018329	No
Npc111	0.79561	0.61045	-0.18516	0.03032002	No	Ccnb2	0.792299	2.31345	1.54593	0.793299	2.31445	1.54473276	0.00856745	No
Nphs2	0.25267	0.4016	0.14893	0.04097311	No	Ccnc	22.3106	9.36433	-1.25248	22.3116	9.36533	-1.2523922	0.00035173	No
Nptx2	0.1264	0.055248	-0.071152	0.00351975	No	Ccnd1	0.0504272	56.3201	10.1252	0.0514272	56.3211	10.0969282	0.00035173	No
Npy5r	0.10851	0.064505	-0.044005	0.00095473	No	CCND2	12.3434	3.3558	-1.87901	12.3444	3.3568	-1.8786982	0.00018329	No
Nr0b2	0.15746	0.35166	0.1942	0.00077922	No	Ccnf	0.242889	0.862226	1.82777	0.243889	0.863226	1.82351363	0.00140841	No
Nr2f2	0.14462	0.05601	-0.08861	9.35E-05	No	Ccng1	31.9232	20.5634	-0.634529	31.9242	20.5644	-0.6345015	0.0232058	No
Nradd	0.90213	0.13334	-0.76879	1.74E-11	No	Ccng2	31.2716	14.868	-1.07264	31.2726	14.869	-1.0725915	0.00018329	No
Nrg1	0.093321	0.034369	-0.058952	0.00768781	No	CCNJ	5.7483	1.76288	-1.7052	5.7493	1.76388	-1.7046339	0.00018329	No
Nrk	0.039147	0.018481	-0.020666	0.00368736	No	Ccnj1	3.00171	0.727614	-2.04454	3.00271	0.728614	-2.0430385	0.00018329	No
Nrsn2	0.74056	0.47953	-0.26103	0.00128825	No	Ccnk	21.6858	13.0447	-0.733281	21.6868	13.0457	-0.7332428	0.00970533	No
Nrtn	0.78833	0.69658	-0.09175	0.01575704	No	Ccnl1	149.817	76.9121	-0.961921	149.818	76.9131	-0.9619097	0.0108214	No
Nrxn1	0.92304	0.84924	-0.0738	0.00542685	No	Ccnt2	27.8993	8.87083	-1.65309	27.9003	8.87183	-1.652977	0.00018329	No
Nrxn2	0.068194	0.0054545	-0.0627395	0.00405617	No	Ccny	45.6064	25.1611	-0.858042	45.6074	25.1621	-0.8580156	0.00419853	No
Nsd1	0.096306	0.18211	0.085804	1.56E-06	No	Ccp110	5.39959	3.16738	-0.769558	5.40059	3.16838	-0.7693717	0.0468163	No
Nt5c1a	0.42054	0.14902	-0.27152	0.00022961	No	Ccpg1	81.5298	25.6793	-1.66672	81.5308	25.6803	-1.6666831	0.00018329	No
Ntn3	0.16128	0.056785	-0.104495	3.46E-08	No	Ccpg1os	3.87508	12.1356	1.64695	3.87608	12.1366	1.64669406	0.00018329	No
Ntrk2	0.192	0.055076	-0.136924	0.00768781	No	Ccr1	0.126429	1.05592	3.0621	0.127429	1.05692	3.05210064	0.00481718	No
Numbl	0.90285	0.69754	-0.20531	0.00022961	No	Ccr3	1.2499	0.467343	-1.41926	1.2509	0.468343	-1.4173291	0.00709238	No
Nup214	0.7601	0.68561	-0.07449	0.01761018	No	Ccr4	4.49517	1.23716	-1.86135	4.49617	1.23816	-1.8604988	0.00698138	No
Nvl	0.9535	0.86149	-0.09201	0.00046463	No	Ccr5	1.9665	5.16546	1.39327	1.9675	5.16646	1.39281246	0.0018326	No
Oaz1	0.70094	0.20428	-0.49666	6.50E-07	No	Ccr6	5.13297	2.4457	-1.06955	5.13397	2.4467	-1.0692376	0.00406781	No
Odf3l2	0.83315	0.72313	-0.11002	0.00612912	No	Ccr7	351.35	4.4325	-6.30864	351.351	4.4335	-6.3083231	0.00018329	No
Ogfod1	0.1547	0.099555	-0.055145	0.0100756	No	Ccr9	20.4686	0.779652	-4.71444	20.4696	0.780652	-4.7126595	0.0302128	No
Olfm1	0.043223	0.11233	0.069107	0.01047909	No	Ccrl2	0.267683	5.48657	4.3573	0.268683	5.48757	4.35219049	0.00018329	No
Olfml2a	0.96088	0.50818	-0.4527	6.50E-07	No	Ccsap	11.2239	1.43776	-2.96469	11.2249	1.43876	-2.9638047	0.0313274	No
Olig3	0.068269	0.017411	-0.050858	0.01761018	No	Ccser1	0.254678	2.23664	3.13459	0.255678	2.23764	3.12957802	0.00035173	No
Olr1111	0.72672	0.86531	0.13859	0.00542685	No	Ccser2	5.15874	8.16722	0.662825	5.15974	8.16822	0.66272335	0.0203707	No
Olr120	0.86942	0.72715	-0.14227	0.00405617	No	Cct2	154.504	80.1039	-0.947698	154.505	80.1049	-0.9476911	0.00035173	No
Olr1279	0.89188	0.80059	-0.09129	0.00100996	No	Cct3	167.539	114.262	-0.552144	167.54	114.263	-0.5521473	0.0397771	No
Olr43	0.95056	0.88387	-0.06669	0.00275507	No	Cct4	210.637	105.75	-0.994094	210.638	105.751	-0.9940944	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Olr857	0.57416	0.36011	-0.21405	0.02412126	No	Cct5	292.913	125.828	-1.21901	292.914	125.829	-1.2190127	0.00018329	No
Omp	0.83106	0.65183	-0.17923	0.00142182	No	Cct6a	69.4378	46.4336	-0.580552	69.4388	46.4346	-0.5805418	0.019979	No
Onecut1	0.16681	0.061445	-0.105365	0.00768781	No	Cct7	125.468	77.215	-0.700368	125.469	77.216	-0.7003592	0.00822601	No
Opcml	0.099662	0.045065	-0.054597	5.12E-05	No	Cct8	120.389	67.8799	-0.826644	120.39	67.8809	-0.826638	0.00914594	No
Osbpl8	0.29726	0.12962	-0.16764	6.50E-07	No	Ccz1	36.4333	23.6252	-0.624929	36.4343	23.6262	-0.6249097	0.0236267	No
Osgep	0.83163	0.77438	-0.05725	0.00052221	No	Cd101	7.38338	2.83541	-1.38072	7.38438	2.83641	-1.3804107	0.00154856	No
Osm	0.00037994	0.3915	0.39112006	3.20E-09	No	Cd14	0.218701	12.7513	5.86554	0.219701	12.7523	5.85907223	0.00018329	No
Otog	0.18126	0.38041	0.19915	0.01178248	No	Cd180	0.72192	3.36231	2.21954	0.72292	3.36331	2.21797385	0.00018329	No
Otop2	0.36041	0.24291	-0.1175	0.01137984	No	Cd19	4.84762	0.735926	-2.71964	4.84862	0.736926	-2.7179825	0.0388119	No
Otp	0.23223	0.089806	-0.142424	9.79E-07	No	Cd1d1	16.7041	4.91767	-1.76415	16.7051	4.91867	-1.7639484	0.00018329	No
Ovol3	0.91081	0.6389	-0.27191	5.81E-06	No	Cd2	343.022	67.0684	-2.3546	343.023	67.0694	-2.3545787	0.00018329	No
Oxct2a	0.58931	0.38267	-0.20664	0.0031273	No	Cd200	3.52	6.63635	0.914814	3.521	6.63735	0.91462213	0.00845618	No
Oxtr	0.14567	0.095261	-0.050409	0.0459045	No	Cd200r1	7.37296	1.26267	-2.54577	7.37396	1.26367	-2.5448198	0.00018329	No
P2rx1	0.32577	0.47308	0.14731	0.01464158	No	Cd226	22.0126	2.1448	-3.35941	22.0136	2.1458	-3.3588076	0.00018329	No
P2rx2	0.74076	0.58386	-0.1569	0.03032002	No	Cd24	0.985653	738.355	9.54902	0.986653	738.356	9.54755808	0.00018329	No
P2rx7	0.83307	0.42066	-0.41241	6.50E-07	No	Cd247	307.813	24.7592	-3.63602	307.814	24.7602	-3.635964	0.00018329	No
P2ry2	0.1061	0.032512	-0.073588	1.01E-05	No	Cd27	245.112	38.4714	-2.67158	245.113	38.4724	-2.6715513	0.00018329	No
P3h3	0.86475	0.77055	-0.0942	0.01761018	No	Cd274	16.4377	3.80043	-2.11277	16.4387	3.80143	-2.1124821	0.00018329	No
Pabpc4	0.29096	0.21183	-0.07913	0.00710774	No	Cd28	117.349	4.68489	-4.64665	117.35	4.68589	-4.6463509	0.00018329	No
Pabpc5	0.10196	0.036847	-0.065113	0.02412126	No	Cd300a	0.700784	17.9025	4.67505	0.701784	17.9035	4.67307078	0.00018329	No
Padi4	0.75924	0.5754	-0.18384	0.00593782	No	Cd300le	1.04634	15.3171	3.87172	1.04734	15.3181	3.87043559	0.00018329	No
Pak7	0.17738	0.074545	-0.102835	2.08E-05	No	Cd300lf	0.121267	2.43461	4.32743	0.122267	2.43561	4.31617616	0.0140981	No
Papolb	0.31021	0.22039	-0.08982	0.00489594	No	Cd302	1.09711	11.8914	3.43813	1.09811	11.8924	3.43694541	0.00018329	No
Pappa	0.096938	0.031396	-0.065542	0.00455632	No	Cd320	90.2952	269.489	1.57751	90.2962	269.49	1.57749456	0.00018329	No
Paqr4	0.36905	0.24075	-0.1283	0.02915203	No	Cd36	0.146678	2.45683	4.06607	0.147678	2.45783	4.05685831	0.00018329	No
Paqr7	0.80071	0.40553	-0.39518	0.0001006	No	Cd3d	850.314	122.156	-2.79927	850.315	122.157	-2.7992609	0.00018329	No
Pard3	0.1052	0.034881	-0.070319	0.00015368	No	Cd3e	860.768	98.9671	-3.1206	860.769	98.9681	-3.1205906	0.00018329	No
Pard6g	0.80538	0.66043	-0.14495	0.00575049	No	Cd3g	1473.77	164.154	-3.16639	1473.771	164.155	-3.1663818	0.00018329	No
Pawr	0.091459	0.015467	-0.075992	0.00085417	No	Cd4	116.011	19.0555	-2.60598	116.012	19.0565	-2.605919	0.00018329	No
Pax1	0.088739	0.03731	-0.051429	4.11E-06	No	Cd40	0.600867	4.78216	2.99254	0.601867	4.78316	2.99044743	0.00018329	No
Pax7	0.20344	0.056393	-0.147047	0.01544668	No	Cd40lg	117.289	3.59583	-5.0276	117.29	3.59683	-5.0272102	0.00018329	No
Pbx2	0.82933	0.57231	-0.25702	1.06E-09	No	Cd44	133.703	36.4674	-1.87435	133.704	36.4684	-1.8743238	0.00018329	No
Pbx4	0.49337	0.61734	0.12397	0.02915203	No	Cd46	1.56536	0.557252	-1.49009	1.56636	0.558252	-1.4884274	0.046635	No
Pcdh7	0.33206	0.22994	-0.10212	0.00575049	No	Cd47	102.051	30.8457	-1.72615	102.052	30.8467	-1.7261164	0.00018329	No
Pcdh8	0.1744	0.092712	-0.081688	4.92E-10	No	Cd48	191.741	51.7344	-1.88996	191.742	51.7354	-1.8899427	0.00018329	No
Pcdh9	0.048244	0.17108	0.122836	0.00125283	No	Cd5	12.5446	1.06377	-3.55981	12.5456	1.06477	-3.5585677	0.00018329	No
Pcdha2	0.62597	0.50366	-0.12231	0.01346881	No	Cd53	410.801	47.5367	-3.11133	410.802	47.5377	-3.1112992	0.00018329	No
Pcdhac2	0.14573	0.054342	-0.091388	0.00128825	No	Cd55	0.948008	2.95777	1.64154	0.949008	2.95877	1.6405054	0.00035173	No
Pcdhga10	0.47313	0.32792	-0.14521	0.00832699	No	Cd59	0.792046	179.245	7.82213	0.793046	179.246	7.82032066	0.00018329	No
Pcdhga2	0.51386	0.39985	-0.11401	0.00060029	No	Cd6	130.045	26.666	-2.28594	130.046	26.667	-2.2858946	0.00018329	No
Pcdhga3	0.37865	0.2582	-0.12045	2.23E-05	No	Cd63	6.01393	986.582	7.35799	6.01493	986.583	7.35774867	0.00018329	No
Pcdhga8	0.66032	0.46082	-0.1995	3.48E-05	No	Cd68	1.78097	32.2674	4.17934	1.78197	32.2684	4.17857709	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pcdhga9	0.59337	0.46978	-0.12359	0.0445679	No	Cd69	151.047	41.1374	-1.87648	151.048	41.1384	-1.8764495	0.00018329	No
Pcdhgb7	0.67723	0.50491	-0.17232	0.01178248	No	Cd74	143.93	864.245	2.58608	143.931	864.246	2.58606467	0.00018329	No
Pcna	0.63435	0.4138	-0.22055	0.01544668	No	Cd79b	18.5457	4.35497	-2.09035	18.5467	4.35597	-2.0900966	0.00018329	No
Pcsk9	0.15891	0.0879	-0.07101	0.02028318	No	Cd80	3.06019	1.02986	-1.57118	3.06119	1.03086	-1.5702442	0.00018329	No
Pde10a	0.13862	0.057774	-0.080846	0.01349957	No	Cd81	114.57	189.387	0.725104	114.571	189.388	0.725103	0.00494262	No
Pde3a	0.097876	0.038241	-0.059635	0.00389531	No	Cd83	2.36045	7.4705	1.66214	2.36145	7.4715	1.66172492	0.00018329	No
Pde6c	0.65995	0.57323	-0.08672	0.03275343	No	Cd86	0.290352	3.98174	3.77752	0.291352	3.98274	3.77292618	0.00018329	No
Pdgfrb	0.23829	0.09876	-0.13953	0.04097311	No	Cd8b	97.9503	14.4385	-2.76213	97.9513	14.4395	-2.7620439	0.00018329	No
Pdia2	0.88711	0.75344	-0.13367	0.00049132	No	Cd9	20.2249	133.01	2.71734	20.2259	133.011	2.71726976	0.00018329	No
Pdx1	0.19535	0.1022	-0.09315	0.04097311	No	Cd93	0.0441197	1.73525	5.29758	0.0451197	1.73625	5.26607341	0.00445502	No
Pdzd9	0.81516	0.7617	-0.05346	0.00612912	No	Cd96	46.1976	10.2813	-2.16779	46.1986	10.2823	-2.1676861	0.00018329	No
Peli2	0.41938	0.11222	-0.30716	7.48E-05	No	Cd97	160.836	24.8187	-2.69609	160.837	24.8197	-2.6960417	0.00018329	No
Pelo	0.82725	0.66724	-0.16001	0.00102242	No	Cd99	43.9775	399.4	3.183	43.9785	399.401	3.18296764	0.00018329	No
Perp	0.33568	0.14262	-0.19306	0.01105145	No	Cda	0	1.04033	inf	0.001	1.04133	10.0242116	0.00018329	No
Pgbd5	0.17359	0.063321	-0.110269	0.00164763	No	Cdc14a	7.83557	5.0249	-0.640943	7.83657	5.0259	-0.6408404	0.0366633	No
Pgc	0.7558	0.66683	-0.08897	0.04097311	No	Cdc14b	5.78224	14.1092	1.28693	5.78324	14.1102	1.28678856	0.00519348	No
Pgf	0.0022321	0.22958	0.2273479	3.20E-09	No	Cdc23	24.4065	13.5054	-0.853724	24.4075	13.5064	-0.8536813	0.00530972	No
Pgp	0.24493	0.082312	-0.162618	1.67E-09	No	Cdc25a	3.31681	5.29816	0.675694	3.31781	5.29916	0.67553242	0.039679	No
Phf1	0.72457	0.53988	-0.18469	0.00085417	No	Cdc25b	98.3916	9.30974	-3.40172	98.3926	9.31074	-3.4015821	0.00018329	No
Phf21b	0.06097	0.0087737	-0.0521963	0.01349957	No	Cdc25c	3.63891	1.92242	-0.920578	3.63991	1.92342	-0.920229	0.00799878	No
Phldb3	0.28263	0.092425	-0.190205	0.01349957	No	Cdc26	29.8962	14.7981	-1.01456	29.8972	14.7991	-1.0145009	0.00111812	No
Phox2a	0.28477	0.11197	-0.1728	0.00031102	No	Cdc27	8.32743	5.2717	-0.659603	8.32843	5.2727	-0.6595026	0.0259489	No
Pif1	0.0016129	0.11564	0.1140271	6.50E-07	No	Cdc40	16.1972	9.52609	-0.765791	16.1982	9.52709	-0.765726	0.0180048	No
Pigc	0.97062	0.90662	-0.064	0.0017951	No	Cdc42	646.171	222.4	-1.53876	646.172	222.401	-1.538755	0.00018329	No
Pih1d3	0.15283	0.046654	-0.106176	0.00164763	No	Cdc42bpa	0.055932	7.90173	7.14235	0.056932	7.90273	7.11696753	0.00111812	No
Pik3r1	0.95953	0.75035	-0.20918	8.76E-11	No	Cdc42bpg	2.41866	12.1505	2.32874	2.41966	12.1515	2.32825817	0.00018329	No
Pipox	0.85245	0.76309	-0.08936	0.03032002	No	Cdc42ep2	0.0253769	28.3741	10.1268	0.0263769	28.3751	10.0711347	0.0228125	No
Pla1a	0.17925	0.34923	0.16998	0.02028318	No	Cdc42ep4	0.273151	8.27292	4.92063	0.274151	8.27392	4.91552837	0.00018329	No
Pla2g10	0.3822	0.14948	-0.23272	0.00575049	No	Cdc42se1	262.815	100.348	-1.38904	262.816	100.349	-1.3890269	0.00066911	No
Pld5	0.065463	0.0082359	-0.0572271	0.00405617	No	Cdc42se2	170.671	32.251	-2.4038	170.672	32.252	-2.4037659	0.00018329	No
Plec	0.85114	0.61992	-0.23122	5.20E-10	No	Cdc5l	33.0949	22.2762	-0.571109	33.0959	22.2772	-0.5710846	0.0350954	No
Plekhj1	0.79179	0.40913	-0.38266	0.00070202	No	Cdc6	0.522936	4.00483	2.93704	0.523936	4.00583	2.9346387	0.00018329	No
Plg	0.87702	0.81047	-0.06655	0.00674226	No	Cdc7	4.59854	2.21307	-1.05513	4.59954	2.21407	-1.0547887	0.0104928	No
Plip	0.15939	0.074566	-0.084824	0.04893199	No	Cdca3	0.876343	7.51891	3.10096	0.877343	7.51991	3.09950251	0.00018329	No
Plpp4	0.071269	0.020827	-0.050442	0.00955793	No	Cdca7	5.69917	2.37988	-1.25987	5.70017	2.38088	-1.25951	0.00154856	No
Plpp6	0.092107	0.025599	-0.066508	0.00102242	No	Cdca7l	29.75	5.10836	-2.54196	29.751	5.10936	-2.5417237	0.00018329	No
Plpp7	0.80865	0.4841	-0.32455	5.59E-12	No	Cdca8	4.79247	8.76185	0.870467	4.79347	8.76285	0.87032976	0.0271125	No
Plscr3	0.84579	0.68033	-0.16546	3.48E-05	No	Cdh1	0.119066	51.4959	8.75656	0.120066	51.4969	8.74451411	0.00018329	No
Plvap	0.37274	0.23875	-0.13399	0.03275343	No	Cdh11	0	2.96636	inf	0.001	2.96736	11.5349642	0.00018329	No
Plxdc1	0.67116	0.47665	-0.19451	0.04680399	No	Cdh15	2.54469	0.719836	-1.82175	2.54569	0.720836	-1.8203138	0.0153859	No
Plxnb2	0.10296	0.01875	-0.08421	0.00019103	No	Cdh16	0	367.329	inf	0.001	367.33	18.4867172	0.00018329	No
Pmaip1	0.53922	0.25965	-0.27957	4.36E-11	No	Cdh24	1.62983	2.99633	0.878482	1.63083	2.99733	0.87807153	0.0389103	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pnma1	0.95668	0.71905	-0.23763	1.48E-06	No	CDH6	0	6.31573	inf	0.001	6.31673	12.6249622	0.00018329	No
Pnmt	0.17694	0.45854	0.2816	1.07E-05	No	Cdhr1	0.18495	2.80495	3.92277	0.18595	2.80595	3.91550265	0.00018329	No
Pnpla1	0.51378	0.21704	-0.29674	2.16E-06	No	Cdhr2	0.158051	2.05568	3.70115	0.159051	2.05668	3.69275599	0.00018329	No
Poc5	0.68398	0.55235	-0.13163	0.01621946	No	Cdip1	10.2004	20.9681	1.03958	10.2014	20.9691	1.03949779	0.0196752	No
Polg	0.87648	0.81542	-0.06106	0.00405617	No	Cdk1	1.08038	8.57967	2.98938	1.08138	8.58067	2.98821672	0.00018329	No
Polg2	0.38018	0.059966	-0.320214	0.00142182	No	CDK12	22.0007	8.93274	-1.30038	22.0017	8.93374	-1.3002788	0.00018329	No
Pou2f3	0.042148	0.13031	0.088162	0.00368736	No	Cdk13	39.142	13.0667	-1.58282	39.143	13.0677	-1.5827491	0.00018329	No
Pou3f1	0.1209	0.2711	0.1502	0.0445679	No	Cdk14	0	4.95407	inf	0.001	4.95507	12.2746897	0.00018329	No
Pou3f2	0.11841	0.049516	-0.068894	0.00010449	No	Cdk17	16.2725	5.97975	-1.44428	16.2735	5.98075	-1.4441263	0.00018329	No
Pou3f3	0.079398	0.01923	-0.060168	0.00894698	No	Cdk19	30.8897	8.76443	-1.81739	30.8907	8.76543	-1.8172758	0.00018329	No
Pou4f2	0.14551	0.050369	-0.095141	0.00674226	No	Cdk2	26.3643	10.6677	-1.30534	26.3653	10.6687	-1.305256	0.00018329	No
Pou5f1	0.8173	0.70269	-0.11461	0.00164763	No	Cdk2ap2	71.3429	122.789	0.783335	71.3439	122.79	0.78333108	0.00277264	No
Pou6f1	0.76046	0.49622	-0.26424	0.00420619	No	Cdk5rap1	14.9274	35.8065	1.26226	14.9284	35.8075	1.26220225	0.00303839	No
Ppara	0.45902	0.13751	-0.32151	1.94E-07	No	Cdkl1	0.0235359	268.852	13.4797	0.0245359	268.853	13.4196358	0.00018329	No
Ppfia2	0.12662	0.057712	-0.068908	0.00054569	No	Cdkn1a	0.183945	11.1372	5.91997	0.184945	11.1382	5.912276	0.00018329	No
Ppfia3	0.11541	0.040325	-0.075085	0.00420619	No	Cdkn1b	238.88	52.4438	-2.18744	238.881	52.4448	-2.1874205	0.00018329	No
Ppp1r14a	0.72478	0.43864	-0.28614	9.20E-07	No	Cdkn2aip	17.4337	6.54005	-1.41451	17.4347	6.54105	-1.4143674	0.00018329	No
Ppp1r3d	0.36519	0.14763	-0.21756	4.92E-10	No	Cdkn2aipnl	54.0193	34.4393	-0.64942	54.0203	34.4403	-0.6494039	0.0122333	No
Ppp2r5b	0.74122	0.30041	-0.44081	0.0001006	No	CDKN3	3.46623	9.13254	1.39765	3.46723	9.13354	1.39739059	0.00251301	No
Prim2	0.92952	0.85944	-0.07008	0.03760671	No	Cdo1	0.298277	17.1065	5.84175	0.299277	17.1075	5.83700373	0.00018329	No
Prkag3	0.026825	0.082042	0.055217	7.59E-06	No	Cdr2	1.56876	14.6092	3.21919	1.56976	14.6102	3.21836002	0.00018329	No
Prkar1a	0.096333	0.32458	0.228247	0.00077922	No	Cdr2l	0.104239	1.28252	3.62102	0.105239	1.28352	3.60836443	0.00732142	No
Prkce	0.23277	0.10267	-0.1301	0.00012321	No	Cdv3	48.175	21.2847	-1.17847	48.176	21.2857	-1.1784301	0.00140841	No
Prlh	0.090224	0.39155	0.301326	9.15E-06	No	Cdyl	8.29514	4.34718	-0.932187	8.29614	4.34818	-0.9320286	0.00329119	No
Prlhr	0.1586	0.071301	-0.087299	0.00674226	No	Cdyl2	6.50188	2.7699	-1.23102	6.50288	2.7709	-1.2307242	0.00880015	No
Prm2	0.91139	0.72292	-0.18847	4.32E-05	No	Ceacam1	0.582626	2.99165	2.3603	0.583626	2.99265	2.3583075	0.00018329	No
Prmt8	0.19356	0.067367	-0.126193	0.00031102	No	Cebpa	0.244293	8.60737	5.13889	0.245293	8.60837	5.13316212	0.00018329	No
Proc	0.86829	0.31305	-0.55524	6.50E-07	No	Cebpd	0.217569	23.5292	6.75684	0.218569	23.5302	6.75028098	0.00721079	No
Proca1	0.10182	0.023988	-0.077832	3.48E-05	No	Cebpz	36.9952	17.47	-1.08246	36.9962	17.471	-1.0824149	0.00018329	No
Prpf3	0.4271	0.15487	-0.27223	0.00021046	No	Cel	0.929527	0.320908	-1.53434	0.930527	0.321908	-1.5313996	0.0242348	No
Prpf31	0.62057	0.40742	-0.21315	1.27E-06	No	Celf2	52.6442	8.03876	-2.71123	52.6452	8.03976	-2.7110777	0.00018329	No
Prr15	0.86477	0.53995	-0.32482	3.58E-09	No	Celsr2	2.33082	48.039	4.3653	2.33182	48.04	4.36470782	0.00018329	No
Prrt1	0.22107	0.38853	0.16746	0.04680399	No	Cenpc	7.66605	2.82661	-1.43941	7.66705	2.82761	-1.4390884	0.00018329	No
Prss32	0.53967	0.34982	-0.18985	0.02284827	No	Cenpe	0.267211	0.587502	1.13662	0.268211	0.588502	1.13367891	0.0273913	No
Prss33	0.77311	0.6049	-0.16821	0.01105145	No	Cenpf	0.176495	0.982318	2.47656	0.177495	0.983318	2.46987967	0.00018329	No
Prss34	0.74374	0.56603	-0.17771	0.01178248	No	CENPL	5.43377	3.18475	-0.770773	5.43477	3.18575	-0.7705859	0.0477111	No
Prss41	0.80573	0.708	-0.09773	0.0031273	No	Cenpp	2.12883	10.485	2.30019	2.12983	10.486	2.29965426	0.0130082	No
Psma8	0.9635	0.89219	-0.07131	0.00025534	No	Cenpt	0.401935	2.16592	2.42994	0.402935	2.16692	2.42702686	0.00494262	No
Psme2	0.2369	0.090151	-0.146749	0.00894698	No	Cenpw	0.441952	1.54602	1.8066	0.442952	1.54702	1.80426957	0.00992433	No
Ptgdr	0.14611	0.069281	-0.076829	0.00019103	No	Cep104	4.62021	11.3419	1.29564	4.62121	11.3429	1.29544698	0.00845618	No
Pth2	0.18445	0.096387	-0.088063	0.00294427	No	Cep120	17.6134	8.86252	-0.990885	17.6144	8.86352	-0.9908037	0.00445502	No
Pth2r	0.11954	0.043128	-0.076412	1.11E-05	No	Cep135	2.57423	1.16308	-1.1462	2.57523	1.16408	-1.1455111	0.00197017	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ptk7	0.0086267	0.093389	0.0847623	3.77E-12	No	Cep164	7.02511	4.49658	-0.643693	7.02611	4.49758	-0.6435772	0.030565	No
Ptpn14	0.1937	0.058388	-0.135312	6.46E-06	No	CEP170	6.69808	2.05256	-1.70632	6.69908	2.05356	-1.7058359	0.00018329	No
Pycr1	0.97371	0.89487	-0.07884	0.00489594	No	Cep170b	2.0927	16.2643	2.95827	2.0937	16.2653	2.95767079	0.00018329	No
Rab24	0.65644	0.20467	-0.45177	4.46E-06	No	Cep19	12.0912	23.1421	0.936561	12.0922	23.1431	0.93650538	0.0018326	No
Rab34	0.45883	0.16229	-0.29654	0.00420619	No	Cep250	12.0766	7.64777	-0.659104	12.0776	7.64877	-0.6590341	0.0439935	No
Rab36	0.87313	0.66876	-0.20437	9.35E-05	No	Cep350	10.1413	3.71777	-1.44773	10.1423	3.71877	-1.4474874	0.00018329	No
Radil	0.17317	0.084242	-0.088928	0.04808135	No	Cep41	7.78578	1.46848	-2.40652	7.78678	1.46948	-2.4057211	0.00018329	No
Rai1	0.64231	0.27088	-0.37143	0.00013739	No	Cep571l	12.649	8.07042	-0.648302	12.65	8.07142	-0.648243	0.0491506	No
Raph1	0.098147	0.033164	-0.064983	0.01761018	No	Cep70	2.77713	10.1868	1.87503	2.77813	10.1878	1.87465653	0.00066911	No
Rasgef1c	0.043458	0.35512	0.311662	9.14E-07	No	Cep85	13.9384	6.84992	-1.02491	13.9394	6.85092	-1.0247988	0.00082046	No
Rasgrp4	0.91874	0.71715	-0.20159	5.87E-06	No	Cep85l	4.02308	1.22329	-1.71754	4.02408	1.22429	-1.7167137	0.00018329	No
Rasl10b	0.011695	0.33329	0.321595	7.19E-07	No	Cep89	4.0632	10.7023	1.39723	4.0642	10.7033	1.39701237	0.00018329	No
Rax	0.19667	0.087388	-0.109282	0.00542685	No	Cep97	10.473	3.12432	-1.74506	10.474	3.12532	-1.7447367	0.00018329	No
Rbfox3	0.75057	0.33159	-0.41898	1.90E-08	No	Cerk	36.1906	8.26775	-2.13005	36.1916	8.26875	-2.1299137	0.00018329	No
Rbm46	0.24073	0.075769	-0.164961	0.0017951	No	Cers2	27.3279	54.7013	1.0012	27.3289	54.7023	1.0011741	0.0263234	No
Rbp3	0.93279	0.89151	-0.04128	0.01024368	No	Cers5	41.8072	19.8559	-1.07418	41.8082	19.8569	-1.0741455	0.00066911	No
Rcor2	0.36409	0.20167	-0.16242	1.27E-06	No	Ces1d	0	3.60908	inf	0.001	3.61008	11.8178151	0.00018329	No
Rdh10	0.2127	0.068395	-0.144305	0.00015368	No	Ces2g	0	3.93672	inf	0.001	3.93772	11.9431448	0.00018329	No
Reln	0.08518	0.02112	-0.06406	3.48E-05	No	CE52H	0	2.06722	inf	0.001	2.06822	11.0141739	0.00018329	No
Rem1	0.4821	0.23204	-0.25006	8.22E-05	No	Ces4a	0	0.582935	inf	0.001	0.583935	9.18966398	0.00018329	No
Renbp	0.97274	0.4212	-0.55154	6.50E-07	No	Cesl1	0	57.3298	inf	0.001	57.3308	15.8070228	0.00066911	No
Retn	0.70285	0.48224	-0.22061	0.00077922	No	Cetn4	0.574903	1.88956	1.71666	0.575903	1.89056	1.71491589	0.00615197	No
RGD1309036	0.81249	0.5075	-0.30499	5.62E-06	No	Cfh	0.125923	7.29655	5.8566	0.126923	7.29755	5.84538676	0.00018329	No
RGD1309049	0.98861	0.93497	-0.05364	3.91E-05	No	Cfl1	1797.51	751.446	-1.25826	1797.511	751.447	-1.2582573	0.00018329	No
RGD1309362	0.95928	0.83424	-0.12504	3.49E-06	No	Cfl2	3.78974	21.4908	2.50355	3.79074	21.4918	2.5032349	0.00018329	No
RGD1359334	0.92126	0.83199	-0.08927	0.00405617	No	CFLAR	100.388	36.1021	-1.47543	100.389	36.1031	-1.4754066	0.00097029	No
RGD1560108	0.91058	0.39945	-0.51113	3.77E-12	No	Cfp	5.29075	29.2721	2.46798	5.29175	29.2731	2.46775872	0.00018329	No
RGD1560608	0.17294	0.10853	-0.06441	0.02284827	No	Cggbp1	50.1384	13.7094	-1.87075	50.1394	13.7104	-1.8706741	0.00018329	No
RGD1561870	0.55726	0.35255	-0.20471	0.04097311	No	Cgn	0.0495776	14.0797	8.14972	0.0505776	14.0807	8.12100476	0.00082046	No
RGD1562114	0.90332	0.25189	-0.65143	3.98E-12	No	Cgnl1	47.1679	179.822	1.93069	47.1689	179.823	1.9306697	0.00018329	No
RGD1562218	0.81868	0.44077	-0.37791	3.48E-05	No	Ch25h	0.0770993	4.17499	5.75891	0.0780993	4.17599	5.74066483	0.00111812	No
RGD1562726	0.70426	0.25258	-0.45168	3.77E-12	No	Chac1	0.0540555	1.13741	4.39517	0.0550555	1.13841	4.36998973	0.0269158	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
RGD1562885	0.97235	0.72104	-0.25131	1.27E-06	No	Chadl	0.0389582	1.36388	5.12965	0.0399582	1.36488	5.09413871	0.0231105	No
RGD1563072	0.093848	0.03913	-0.054718	8.78E-12	No	Chaf1b	1.41426	7.9213	2.48569	1.41526	7.9223	2.48485222	0.00329119	No
RGD1563217	0.32774	0.6815	0.35376	9.52E-11	No	Chchd10	50.2109	1019.71	4.34402	50.2119	1019.711	4.3439872	0.00018329	No
RGD1563425	0.40904	0.34543	-0.06361	0.01544668	No	Chchd6	8.45449	21.6774	1.3584	8.45549	21.6784	1.35829801	0.00018329	No
RGD1564482	0.74749	0.36179	-0.3857	0.00128825	No	Chd1	45.1115	11.6444	-1.95385	45.1125	11.6454	-1.953767	0.00018329	No
RGD1565611	0.27593	0.1378	-0.13813	0.00275507	No	Chd1l	14.7875	32.6183	1.1413	14.7885	32.6193	1.1412501	0.012344	No
RGD1566239	0.90739	0.40655	-0.50084	6.50E-07	No	Chd2	233.156	60.8457	-1.93807	233.157	60.8467	-1.9380508	0.00126492	No
Rgma	0.089339	0.030273	-0.059066	4.32E-05	No	Chd3	153.67	22.7943	-2.75309	153.671	22.7953	-2.7530366	0.00018329	No
Rhbd1l	0.24369	0.099459	-0.144231	3.76E-05	No	Chd4	82.3476	53.5284	-0.621422	82.3486	53.5294	-0.6214126	0.0298279	No
Rhoc	0.67889	0.17397	-0.50492	5.59E-07	No	Chd6	20.4846	11.205	-0.870399	20.4856	11.206	-0.8703388	0.0271125	No
Rhoh	0.073496	0.4513	0.377804	3.92E-06	No	Chd7	6.77597	3.21809	-1.07422	6.77697	3.21909	-1.0739875	0.0339945	No
Ric3	0.10359	0.044095	-0.059495	0.00489594	No	Chd8	35.5822	14.0232	-1.34334	35.5832	14.0242	-1.3432778	0.00018329	No
Rin1	0.50822	0.16787	-0.34035	9.14E-07	No	Chdh	0	25.4742	inf	0.001	25.4752	14.6368059	0.00018329	No
Ring1	0.90469	0.81007	-0.09462	0.00040512	No	Chfr	21.4696	6.89687	-1.63828	21.4706	6.89787	-1.6381397	0.0309526	No
Ripk4	0.13573	0.038682	-0.097048	8.72E-07	No	Chi3l1	0.657926	3.62107	2.46042	0.658926	3.62207	2.45862607	0.00018329	No
Rmnd1	0.70795	0.52495	-0.183	0.03521493	No	Chic2	67.615	17.418	-1.95677	67.616	17.419	-1.9567029	0.00018329	No
Rmrp	0.34324	0.21527	-0.12797	0.00275507	No	Chka	8.19337	29.3085	1.83879	8.19437	29.3095	1.83866342	0.00018329	No
Rn28s	0.35654	0.22395	-0.13259	5.62E-06	No	Chm	15.7754	4.40552	-1.8403	15.7764	4.40652	-1.8400564	0.00018329	No
Rn45s	0.35688	0.21322	-0.14366	6.35E-06	No	Chmp1a	57.6564	35.1246	-0.715	57.6574	35.1256	-0.7149829	0.00543198	No
Rn5-8s	0.3906	0.22035	-0.17025	1.01E-05	No	Chmp2a	153.401	261.614	0.770136	153.402	261.615	0.77012797	0.0114728	No
Rn7sl1	0.45208	0.36878	-0.0833	6.10E-08	No	Chmp2b	10.142	17.5012	0.787121	10.143	17.5022	0.78705186	0.0138771	No
Rnase10	0.85126	0.76286	-0.0884	0.03521493	No	Chmp4c	0	21.3631	inf	0.001	21.3641	14.3829009	0.00018329	No
Rnase11	0.86083	0.8065	-0.05433	0.00663046	No	Chmp5	27.2924	75.3703	1.4655	27.2934	75.3713	1.46546315	0.00018329	No
Rnase17	0.6422	0.40389	-0.23831	0.04893199	No	Chn2	4.56615	13.1857	1.52992	4.56715	13.1867	1.52971749	0.00018329	No
Rnf113a2	0.205	0.10323	-0.10177	0.0006534	No	Chordc1	36.4106	16.5204	-1.14011	36.4116	16.5214	-1.1400622	0.00018329	No
Rnf126	0.33838	0.13746	-0.20092	0.00028052	No	Chp1	27.0566	47.0289	0.797566	27.0576	47.0299	0.79754439	0.00197017	No
Rnf128	0.083507	0.016638	-0.066869	0.00025534	No	Chp2	0	0.678409	inf	0.001	0.679409	9.40813652	0.00018329	No
Rnf151	0.8627	0.68319	-0.17951	0.00077922	No	Chpt1	1.49052	23.5932	3.98448	1.49152	23.5942	3.98357703	0.00018329	No
Rnf225	0.76088	0.57923	-0.18165	0.01448681	No	Chrm3	0	0.853855	inf	0.001	0.854855	9.73953592	0.00018329	No
Rnf26	0.85605	0.75269	-0.10336	0.00722274	No	Chrna2	0.797752	0.271578	-1.55458	0.798752	0.272578	-1.5510785	0.0478786	No
Rnf8	0.87634	0.65067	-0.22567	6.66E-08	No	Chrbn1	0.16419	3.1958	4.28273	0.16519	3.1968	4.27443023	0.00018329	No
Robo4	0.96015	0.903	-0.05715	0.01349957	No	Chst12	1.42743	5.74912	2.00993	1.42843	5.75012	2.00916173	0.00018329	No
Rogdi	0.71826	0.22169	-0.49657	1.89E-06	No	Chst14	1.96299	3.80474	0.954744	1.96399	3.80574	0.95438942	0.0248275	No
Rom1	0.21379	0.068672	-0.145118	1.61E-05	No	Chst15	5.7498	2.9456	-0.964952	5.7508	2.9466	-0.9647114	0.00970533	No
Ropn1	0.78233	0.3604	-0.42193	5.51E-05	No	Chst2	3.55294	9.99438	1.49211	3.55394	9.99538	1.49184209	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rsph6a	0.94953	0.64762	-0.30191	9.79E-07	No	Chst9	0	18.4183	inf	0.001	18.4193	14.1689306	0.00018329	No
RT1-Db2	0.15023	0.351	0.20077	0.00085417	No	Chsy1	10.06	4.96747	-1.01804	10.061	4.96847	-1.0179001	0.00066911	No
RT1-M5	0.09029	0.038198	-0.052092	0.01349957	No	Chuk	18.3832	10.7205	-0.778014	18.3842	10.7215	-0.7779596	0.00627425	No
Ruvbl2	0.77635	0.58928	-0.18707	0.02028318	No	Ciapin1	18.1311	32.8373	0.856869	18.1321	32.8383	0.85683342	0.00329119	No
Rxfp3	0.75776	0.57073	-0.18703	0.00054569	No	Cidea	0	3.72338	inf	0.001	3.72438	11.8627846	0.00018329	No
S100a1	0.16125	0.076084	-0.085166	0.02028318	No	Cideb	0.21354	8.83173	5.37012	0.21454	8.83273	5.36354085	0.00709238	No
S1pr4	0.1875	0.51739	0.32989	4.84E-11	No	Ciita	0.479247	1.30313	1.44314	0.480247	1.30413	1.44123918	0.00469886	No
Sall3	0.96086	0.80485	-0.15601	7.19E-07	No	Cir1	67.1552	25.7793	-1.38129	67.1562	25.7803	-1.3812515	0.00018329	No
Samd14	0.3017	0.13033	-0.17137	8.62E-05	No	Cirh1a	35.8113	13.1762	-1.44248	35.8123	13.1772	-1.4424113	0.00342383	No
Scara5	0.64842	0.5116	-0.13682	0.03521493	No	Cisd1	98.2832	353.655	1.84732	98.2842	353.656	1.84731532	0.00018329	No
Scarf2	0.2012	0.096195	-0.105005	3.56E-06	No	Cisd3	32.71	53.8255	0.718559	32.711	53.8265	0.71854075	0.0267263	No
Scarna15	0.84604	0.76185	-0.08419	0.03032002	No	Cit	0.0671319	2.70587	5.33295	0.0681319	2.70687	5.31215135	0.00018329	No
Scn3b	0.10128	0.026499	-0.074781	0.00405617	No	Cited2	51.2966	74.5437	0.539225	51.2976	74.5447	0.53921445	0.0486053	No
Scn4a	0.75841	0.35674	-0.40167	3.22E-10	No	Cklf	25.1419	9.4666	-1.40917	25.1429	9.4676	-1.4090804	0.00097029	No
Scn5a	0.081374	0.025437	-0.055937	0.00136617	No	Cks2	2.89915	34.5127	3.57343	2.90015	34.5137	3.57296972	0.00018329	No
Scn8a	0.88677	0.78698	-0.09979	1.57E-05	No	Clca2	0	1.57927	inf	0.001	1.58027	10.6259554	0.00018329	No
Scrt1	0.097656	0.031761	-0.065895	1.76E-05	No	Clcn4	0.313551	4.70997	3.90894	0.314551	4.71097	3.90465829	0.00018329	No
Scube3	0.82049	0.62628	-0.19421	6.33E-05	No	Clcn5	1.95151	3.3755	0.79051	1.95251	3.3765	0.79019862	0.00937155	No
Sdr42e1	0.21856	0.29237	0.07381	0.03760671	No	Clcnkb	0.0781762	303.205	11.9213	0.0791762	303.206	11.9029439	0.00018329	No
Sds	0.68127	0.57433	-0.10694	0.00625768	No	Cldn10	2.86041	292.095	6.67408	2.86141	292.096	6.67357256	0.00018329	No
Senp3	0.7806	0.6058	-0.1748	0.0103156	No	Cldn16	0	65.0565	inf	0.001	65.0575	15.9894278	0.00018329	No
Serpinf2	0.96702	0.414	-0.55302	6.50E-07	No	Cldn17	0	22.4784	inf	0.001	22.4794	14.4563159	0.00018329	No
Sez6l	0.24794	0.102	-0.14594	1.17E-05	No	Cldn6	0.285821	6.73856	4.55926	0.286821	6.73956	4.55443184	0.00018329	No
Sftpa1	0.96271	0.5762	-0.38651	6.50E-07	No	Clec10a	0.260455	13.7317	5.72033	0.261455	13.7327	5.71490883	0.00018329	No
Sgcd	0.77992	0.66332	-0.1166	0.03275343	No	Clec11a	0	0.745851	inf	0.001	0.746851	9.54467664	0.00018329	No
Sh2b2	0.21205	0.027983	-0.184067	0.00063042	No	Clec16a	4.38927	12.3909	1.49723	4.39027	12.3919	1.49701583	0.00018329	No
Sh3gl1	0.23172	0.13098	-0.10074	0.00955793	No	Clec1b	3.44942	1.2651	-1.44711	3.45042	1.2661	-1.4463806	0.0215079	No
Shank3	0.41128	0.20337	-0.20791	0.00142182	No	Clec2d2	22.463	1.62653	-3.78768	22.464	1.62753	-3.7868588	0.00066911	No
Shc1	0.35943	0.17852	-0.18091	0.03275343	No	Clec2g	89.4176	30.9311	-1.5315	89.4186	30.9321	-1.5314702	0.00506686	No
Shc4	0.38235	0.17778	-0.20457	5.51E-05	No	Clec4a	0	1.63149	inf	0.001	1.63249	10.6728584	0.00018329	No
Shd	0.79569	0.45389	-0.3418	1.66E-05	No	Clec4a1	1.31578	17.3169	3.71819	1.31678	17.3179	3.71717776	0.00018329	No
Shisa7	0.79113	0.36005	-0.43108	8.08E-07	No	Clec4a3	1.07085	21.4649	4.32515	1.07185	21.4659	4.32387173	0.00018329	No
Shtn1	0.064605	0.014093	-0.050512	0.00832699	No	Clec4e	0.212107	2.64419	3.63996	0.213107	2.64519	3.63372146	0.0118093	No
Sigirr	0.58151	0.20308	-0.37843	6.95E-08	No	Clec7a	0.300941	7.1635	4.57311	0.301941	7.1645	4.56852745	0.00018329	No
Sirt4	0.78876	0.30977	-0.47899	2.42E-06	No	Clic2	0.56271	8.61718	3.93675	0.56371	8.61818	3.93435817	0.00018329	No
Six2	0.032671	0.13408	0.101409	1.84E-06	No	Clic4	7.40083	97.9497	3.72628	7.40183	97.9507	3.7261019	0.00018329	No
Six6	0.19597	0.075514	-0.120456	0.00054569	No	CLIC5	0.884585	4.44587	2.32939	0.885585	4.44687	2.32808754	0.00018329	No
Slc10a4	0.19087	0.068691	-0.122179	0.00025534	No	Clip2	3.07279	10.9774	1.83692	3.07379	10.9784	1.8365773	0.00018329	No
Slc10a6	0.82432	0.73737	-0.08695	0.04893199	No	Clk2	72.1089	42.0751	-0.77721	72.1099	42.0761	-0.7771964	0.00567465	No
Slc13a5	0.32008	0.18452	-0.13556	0.00164763	No	Clk4	49.9923	32.7283	-0.611169	49.9933	32.7293	-0.611152	0.0408246	No
Slc15a1	0.1403	0.078903	-0.061397	0.00033098	No	Clmn	0	12.8861	inf	0.001	12.8871	13.65364	0.00018329	No
Slc16a3	0.10243	0.015197	-0.087233	0.00019103	No	Cln3	13.6815	27.6121	1.01307	13.6825	27.6131	1.01302101	0.00035173	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc17a6	0.0882	0.035781	-0.052419	1.01E-05	No	Cln5	1.00477	3.94771	1.97415	1.00577	3.94871	1.97308099	0.00035173	No
Slc19a3	0.14795	0.054275	-0.093675	0.00040512	No	Cln8	3.90242	8.49201	1.12174	3.90342	8.49301	1.12153725	0.00126492	No
Slc22a17	0.70056	0.46751	-0.23305	0.00108973	No	Clns1a	82.2633	35.503	-1.21231	82.2643	35.504	-1.2122849	0.00018329	No
Slc22a3	0.42801	0.21752	-0.21049	0.02535502	No	Clp1	10.4978	4.82974	-1.12007	10.4988	4.83074	-1.1199083	0.00210945	No
Slc24a1	0.90672	0.77669	-0.13003	0.01544668	No	Clpb	7.70861	37.4349	2.27984	7.70961	37.4359	2.27969265	0.00018329	No
Slc25a21	0.36207	0.23885	-0.12322	0.00152471	No	Clptm1	45.9561	67.3497	0.551414	45.9571	67.3507	0.55140518	0.0345543	No
Slc25a34	0.78704	0.35229	-0.43475	3.77E-12	No	Clpx	19.3637	35.2636	0.864826	19.3647	35.2646	0.86479152	0.00082046	No
Slc26a9	0.11025	0.28237	0.17212	0.01178248	No	Clstn1	9.88267	39.4019	1.99529	9.88367	39.4029	1.99518307	0.0469027	No
Slc29a1	0.085948	0.031366	-0.054582	1.35E-08	No	Clstn3	0.942623	0.0689614	-3.77282	0.943623	0.0699614	-3.7535795	0.00992433	No
Slc29a4	0.74315	0.87309	0.12994	0.00674226	No	Clta	209.482	326.895	0.641997	209.483	326.896	0.64199855	0.0138771	No
Slc32a1	0.18111	0.10231	-0.0788	0.02680411	No	Cltb	23.7478	76.8065	1.69343	23.7488	76.8075	1.69339257	0.00018329	No
Slc35f1	0.12153	0.044847	-0.076683	9.15E-06	No	Cltc	22.3548	61.0451	1.44929	22.3558	61.0461	1.44924996	0.00018329	No
Slc38a4	0.67666	0.54528	-0.13138	0.03275343	No	Clu	2.18694	350.654	7.32499	2.18794	350.655	7.32433531	0.00018329	No
Slc44a4	0.79514	0.46552	-0.32962	0.00102242	No	Cluh	13.0013	66.9796	2.36506	13.0023	66.9806	2.36497645	0.00018329	No
Slc45a1	0.29534	0.18282	-0.11252	0.0279946	No	Clvs1	0.156017	2.71064	4.11886	0.157017	2.71164	4.11017299	0.00051281	No
Slc46a2	0.11904	0.031138	-0.087902	5.90E-05	No	Cmah	55.8408	13.538	-2.04431	55.8418	13.539	-2.0442243	0.00018329	No
Slc47a2	0.00079369	0.053717	0.05292331	9.79E-07	No	Cmas	40.2065	23.1193	-0.798329	40.2075	23.1203	-0.7983045	0.00494262	No
Slc4a10	0.68119	0.21217	-0.46902	0.00142182	No	Cmc1	35.8852	19.5958	-0.872846	35.8862	19.5968	-0.8728111	0.0086849	No
Slc51a	0.73903	0.47102	-0.26801	0.00674226	No	CMC2	24.0985	65.9653	1.45277	24.0995	65.9663	1.45272597	0.00035173	No
Slc5a4	0.48473	0.20033	-0.2844	0.00489594	No	Cmklr1	0.038141	1.70801	5.48483	0.039141	1.70901	5.44833641	0.0325782	No
Slc6a2	0.15974	0.057247	-0.102493	0.01761018	No	Cml1	0.25645	4.86637	4.2461	0.25745	4.86737	4.24077827	0.00615197	No
Slc6a3	0.28062	0.12692	-0.1537	0.0279946	No	Cml3	0	8.80871	inf	0.001	8.80971	13.1048788	0.00018329	No
Slc6a7	0.28202	0.099031	-0.182989	0.01761018	No	Cmpk2	5.65891	3.34269	-0.759516	5.65991	3.34369	-0.759338	0.0227188	No
Slc7a10	0.089709	0.16044	0.070731	0.0017951	No	Cmtm3	17.8222	5.52919	-1.68853	17.8232	5.53019	-1.6883554	0.00018329	No
Slc7a14	0.25298	0.090114	-0.162866	3.91E-05	No	Cmtm4	0.617009	3.01626	2.2894	0.618009	3.01726	2.28753927	0.00210945	No
Slc7a15	0.85934	0.38862	-0.47072	1.27E-06	No	Cmtm7	107.279	54.5762	-0.975025	107.28	54.5772	-0.9750109	0.0224259	No
Slc9b2	0.84397	0.66826	-0.17571	0.00542685	No	Cmtr2	5.25946	2.16727	-1.27904	5.26046	2.16827	-1.2786445	0.00035173	No
Slit1	0.096935	0.032452	-0.064483	0.00405617	No	Cnbp	509.213	232.657	-1.13006	509.214	232.658	-1.1300613	0.00018329	No
Slitrk1	0.083565	0.024177	-0.059388	0.01544668	No	Cndp1	0	3.07535	inf	0.001	3.07635	11.5870039	0.00018329	No
Smad3	0.66283	0.28175	-0.38108	2.75E-06	No	Cnga1	3.54534	0.155206	-4.51367	3.54634	0.156206	-4.5048091	0.00018329	No
Smoc2	0.17443	0.066612	-0.107818	1.37E-05	No	Cnih3	2.03039	0.379809	-2.41841	2.03139	0.380809	-2.4153278	0.0347435	No
Smpd3	0.18875	0.069652	-0.119098	0.0103156	No	Cnih4	41.0562	24.932	-0.719599	41.0572	24.933	-0.7195788	0.0434518	No
Smpd5	0.14264	0.30287	0.16023	1.94E-08	No	Cnksr3	6.02273	16.5985	1.46257	6.02373	16.5995	1.46241078	0.00018329	No
Smpdl3b	0.017951	0.10209	0.084139	0.00674226	No	Cnn3	35.0507	113.36	1.6934	35.0517	113.361	1.69336807	0.00018329	No
Smug1	0.88481	0.55354	-0.33127	2.75E-06	No	Cnm4	5.20822	9.58337	0.879742	5.20922	9.58437	0.87961624	0.00777671	No
Snai1	0.74152	0.48999	-0.25153	0.00128825	No	Cnot10	38.9377	21.4347	-0.86122	38.9387	21.4357	-0.8611892	0.0026435	No
Snai2	0.079598	0.022641	-0.056957	0.01544668	No	Cnot2	52.1056	24.778	-1.07238	52.1066	24.779	-1.0723482	0.00018329	No
Snap91	0.080391	0.021991	-0.0584	2.42E-06	No	Cnot3	27.0502	13.1162	-1.04429	27.0512	13.1172	-1.0442328	0.00251301	No
Sncb	0.097933	0.021635	-0.076298	0.0006534	No	Cnot4	15.7635	8.46627	-0.896786	15.7645	8.46727	-0.8967106	0.0016929	No
Sncg	0.91089	0.85678	-0.05411	0.00542685	No	Cnot6l	24.2583	8.59683	-1.4966	24.2593	8.59783	-1.4964934	0.00018329	No
Snrpc	0.90418	0.71369	-0.19049	0.00013988	No	Cnot7	42.3021	22.7975	-0.891853	42.3031	22.7985	-0.8918245	0.00627425	No
Sntg2	0.080397	0.015772	-0.064625	0.00420619	No	Cnp	130.02	21.6759	-2.58456	130.021	21.6769	-2.5845143	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sorcs1	0.10577	0.0303	-0.07547	7.59E-06	No	Cnppd1	132.497	47.78	-1.47148	132.498	47.781	-1.4714616	0.00018329	No
Sox10	0.18884	0.073829	-0.115011	3.48E-05	No	Cnpy1	0	4.63451	inf	0.001	4.63551	12.1785124	0.00018329	No
Sox14	0.15899	0.054817	-0.104173	6.98E-06	No	Cnr2	3.2879	0.841105	-1.96681	3.2889	0.842105	-1.9655331	0.00051281	No
Sox15	0.77278	0.38694	-0.38584	6.50E-07	No	Cnrip1	5.6221	1.30133	-2.11112	5.6231	1.30233	-2.1102706	0.00035173	No
Sox18	0.2774	0.087948	-0.189452	4.18E-12	No	Cntf	31.0201	68.3865	1.14051	31.0211	68.3875	1.14048281	0.0337151	No
Sox7	0.4199	0.24658	-0.17332	0.01265586	No	Cntln	0.0690086	1.37183	4.31318	0.0700086	1.37283	4.29347702	0.00458064	No
Sp8	0.066607	0.035585	-0.031022	0.00722274	No	Cntnap1	1.94356	10.2544	2.39948	1.94456	10.2554	2.39886811	0.00018329	No
Spaca1	0.91944	0.85248	-0.06696	4.11E-11	No	Cntrl	23.2068	9.13064	-1.34576	23.2078	9.13164	-1.3456639	0.00018329	No
Spaca4	0.93358	0.5808	-0.35278	2.48E-05	No	Coa3	57.3306	125.834	1.13415	57.3316	125.835	1.1341308	0.0262294	No
Spag4	0.41226	0.15452	-0.25774	0.00095473	No	Coa4	6.94774	14.6354	1.07484	6.94874	14.6364	1.07473744	0.00082046	No
Spag6l	0.05955	0.14357	0.08402	0.00692761	No	Coasy	32.2923	50.4014	0.642273	32.2933	50.4024	0.64225756	0.0355427	No
Spag8	0.71397	0.38457	-0.3294	0.00043712	No	Cobl	0	17.4412	inf	0.001	17.4422	14.0902944	0.00018329	No
Spata32	0.19778	0.12915	-0.06863	0.00542685	No	Cobll1	2.55634	29.1691	3.51229	2.55734	29.1701	3.51177445	0.00018329	No
Spg7	0.57656	0.35243	-0.22413	0.00455632	No	Cog3	12.3232	6.8775	-0.841423	12.3242	6.8785	-0.8413281	0.00197017	No
Sphk2	0.33705	0.10115	-0.2359	0.03521493	No	Col11a1	1.94763	3.3358	0.776316	1.94863	3.3368	0.77600504	0.0203707	No
Spink2	0.76802	0.47274	-0.29528	0.00092821	No	COL4A3	71.7002	107.125	0.579247	71.7012	107.126	0.5792395	0.0413654	No
Spock3	0.17328	0.062043	-0.111237	4.36E-05	No	Col4a3bp	21.1856	12.4742	-0.764134	21.1866	12.4752	-0.7640891	0.00393885	No
Spred3	0.54881	0.16548	-0.38333	0.00013988	No	Col4a5	0	37.6252	inf	0.001	37.6262	15.19945	0.00018329	No
Sprn	0.38484	0.14938	-0.23546	0.00034148	No	Col5a1	0.0387603	4.88984	6.97906	0.0397603	4.89084	6.94260982	0.00277264	No
Spryd3	0.34939	0.15644	-0.19295	1.41E-05	No	Col5a2	0	1.80647	inf	0.001	1.80747	10.819756	0.00018329	No
Spsb4	0.12115	0.044488	-0.076662	6.33E-05	No	Col6a2	0	1.36329	inf	0.001	1.36429	10.4139346	0.00018329	No
Sptb	0.2662	0.081856	-0.184344	0.01761018	No	Col6a4	1.82276	0.58719	-1.63422	1.82376	0.58819	-1.6325617	0.0113722	No
Spx	0.20653	0.08333	-0.1232	3.15E-05	No	Comm1	49.4962	95.174	0.943251	49.4972	95.175	0.94323575	0.0326623	No
Srgap1	0.11015	0.027903	-0.082247	0.00034724	No	Comm3	35.1866	99.8796	1.50516	35.1876	99.8806	1.50513737	0.00018329	No
Srsf9	0.0015385	0.06992	0.0683815	2.75E-06	No	Comm7	93.6277	32.0049	-1.54864	93.6287	32.0059	-1.5486129	0.00018329	No
Sstr1	0.10206	0.046984	-0.055076	6.46E-06	No	Comm8	35.0231	22.9313	-0.610992	35.0241	22.9323	-0.6109669	0.03047	No
Sstr2	0.1006	0.03105	-0.06955	0.00894698	No	Comm9	34.8183	62.4234	0.842241	34.8193	62.4244	0.84222285	0.00519348	No
Sstr5	0.18451	0.066857	-0.117653	0.02915203	No	Comt	23.2037	104.489	2.17092	23.2047	104.49	2.17087593	0.00018329	No
St6gal2	0.23262	0.097769	-0.134851	0.00092821	No	Copb2	39.5947	24.8638	-0.671261	39.5957	24.8648	-0.6712389	0.0231105	No
St6galnac2	0.25019	0.13512	-0.11507	0.01544668	No	COPE	77.882	120.658	0.631564	77.883	120.659	0.63155517	0.017174	No
St8sia3	0.13518	0.045641	-0.089539	0.00070202	No	Coprs	25.7023	70.7651	1.46114	25.7033	70.7661	1.46110482	0.00018329	No
St8sia5	0.22634	0.10783	-0.11851	0.0103156	No	Cops7a	17.7356	43.4111	1.29141	17.7366	43.4121	1.29136773	0.00018329	No
Stoml3	0.75546	0.51045	-0.24501	0.00128825	No	Cops7b	12.7785	7.89398	-0.694897	12.7795	7.89498	-0.6948239	0.021204	No
Stx11	0.94332	0.86773	-0.07559	0.00489594	No	Copz2	0.184832	20.8493	6.81763	0.185832	20.8503	6.80992538	0.00140841	No
Sv2a	0.89391	0.82624	-0.06767	1.79E-05	No	Coq10b	11.1102	19.8868	0.839923	11.1112	19.8878	0.83986906	0.00603614	No
Svs4	0.82941	0.72737	-0.10204	0.00832699	No	Coq3	7.04669	16.7173	1.24633	7.04769	16.7183	1.24620578	0.00051281	No
Syce2	0.42277	0.25175	-0.17102	1.20E-07	No	Coq7	9.63757	50.5454	2.39084	9.63857	50.5464	2.39071732	0.00018329	No
Sycp1	0.8362	0.71791	-0.11829	0.00092821	No	Coq9	21.874	76.6749	1.80954	21.875	76.6759	1.80949018	0.00018329	No
Sypl2	0.21532	0.05834	-0.15698	6.69E-05	No	Coro1a	1406	297.12	-2.24247	1406.001	297.121	-2.2424751	0.00018329	No
Syt1	0.12344	0.050701	-0.072739	2.26E-05	No	Coro2a	4.69908	0.87003	-2.43324	4.70008	0.87103	-2.431891	0.00018329	No
Syt10	0.61953	0.48392	-0.13561	0.03863139	No	Coro2b	5.02009	0.650971	-2.94705	5.02109	0.651971	-2.9451209	0.00018329	No
T	0.15564	0.059205	-0.096435	3.48E-05	No	Coro7	55.5883	16.7104	-1.73403	55.5893	16.7114	-1.7339746	0.0420159	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tac3	0.74895	0.6462	-0.10275	0.01621946	No	Cotl1	518.436	181.684	-1.51274	518.437	181.685	-1.5127294	0.00018329	No
Tacr3	0.21765	0.12045	-0.0972	0.01448681	No	Cox15	11.0947	16.2317	0.548941	11.0957	16.2327	0.5489023	0.0495248	No
Tal1	0.19701	0.072235	-0.124775	0.01349957	No	Cox17	215.68	644.251	1.57873	215.681	644.252	1.57872602	0.00018329	No
Taok3	0.00037542	0.34849	0.34811458	5.02E-08	No	Cox18	26.4846	13.6479	-0.956471	26.4856	13.6489	-0.9564235	0.00458064	No
Tapbp	0.78349	0.30523	-0.47826	3.77E-12	No	Cox19	22.371	39.222	0.810035	22.372	39.223	0.81000565	0.0210997	No
Tbcb	0.81912	0.57566	-0.24346	0.00034085	No	Cox4i1	913.45	1910.98	1.06492	913.451	1910.981	1.06491419	0.00277264	No
Tbccd1	0.86544	0.70918	-0.15626	0.00092821	No	Cox5a	294.782	847.416	1.52342	294.783	847.417	1.52341874	0.00018329	No
Tbr1	0.10352	0.034967	-0.068553	0.01178248	No	Cox5b	297.666	951.592	1.67665	297.667	951.593	1.67664537	0.00018329	No
Tbx1	0.080001	0.15223	0.072229	0.00046463	No	Cox6a1	496.836	1290.06	1.3766	496.837	1290.061	1.37659476	0.00018329	No
Tbx18	0.13035	0.047039	-0.083311	0.00015368	No	Cox6c	674.573	1818.14	1.43042	674.574	1818.141	1.43041547	0.00018329	No
Tbx2	0.15941	0.36292	0.20351	1.89E-05	No	Cox7a2	180.901	567.671	1.64986	180.902	567.672	1.64984923	0.00018329	No
Tbx4	0.20795	0.37644	0.16849	0.00894698	No	Cox7a2l	464.519	156.421	-1.5703	464.52	156.422	-1.5702973	0.00018329	No
Tbx5	0.35564	0.11901	-0.23663	9.14E-07	No	Cox7a2l2	13.8574	36.2998	1.3893	13.8584	36.3008	1.38924064	0.00082046	No
Tbx6	0.79442	0.57892	-0.2155	0.00625768	No	Cox7b	425.469	1436.3	1.75523	425.47	1436.301	1.75522881	0.00018329	No
Tcerg1l	0.27149	0.045993	-0.225497	0.00025534	No	Cox7c	366.087	945.168	1.36838	366.088	945.169	1.36838183	0.00018329	No
Tcf19	0.7365	0.54693	-0.18957	0.00040512	No	Cox8a	287.831	1439.58	2.32235	287.832	1439.581	2.32235007	0.00018329	No
Tchp	0.17722	0.49777	0.32055	3.58E-09	No	Cp	0.256336	13.7704	5.74739	0.257336	13.7714	5.74187812	0.00018329	No
Tcirg1	0.87059	0.65945	-0.21114	0.00196002	No	Cpe	1.00881	7.97621	2.98306	1.00981	7.97721	2.98180039	0.00018329	No
Tdrd6	0.59389	0.51611	-0.07778	0.00205366	No	Cpeb3	0.537118	5.9277	3.46416	0.538118	5.9287	3.46172133	0.00018329	No
Tead3	0.08329	0.030308	-0.052982	0.00644918	No	Cpm	0.280036	7.17149	4.67859	0.281036	7.17249	4.6736472	0.00018329	No
Tekt4	0.53976	0.19242	-0.34734	4.05E-07	No	Cpn1	0	1.88703	inf	0.001	1.88803	10.882666	0.00018329	No
Tert	0.89888	0.83608	-0.0628	0.01448681	No	Cpne2	5.17628	12.3388	1.25322	5.17728	12.3398	1.25305276	0.0031651	No
Tescl	0.63021	0.54829	-0.08192	0.01761018	No	Cpne3	7.91726	16.614	1.06933	7.91826	16.615	1.06923095	0.00018329	No
Tex101	0.97251	0.89964	-0.07287	0.00625768	No	Cpne8	0.214032	4.29863	4.32798	0.215032	4.29963	4.32158924	0.00018329	No
Tfap2e	0.18327	0.07035	-0.11292	0.01448681	No	Cpped1	0.69105	27.2951	5.30371	0.69205	27.2961	5.30167475	0.00018329	No
Tfeb	0.88628	0.81366	-0.07262	0.00625768	No	Cpsf2	15.581	7.74411	-1.00861	15.582	7.74511	-1.0085228	0.0188386	No
Tfip11	0.76843	0.7137	-0.05473	0.0100756	No	Cpsf4	26.9438	14.7582	-0.868434	26.9448	14.7592	-0.8683924	0.00432763	No
Tgfa	0.35029	0.18371	-0.16658	0.03863139	No	Cpsf6	27.3315	7.73792	-1.82054	27.3325	7.73892	-1.8204133	0.00018329	No
Tgfb1i1	0.15363	0.071574	-0.082056	0.00128825	No	Cpsf7	47.923	24.2151	-0.984811	47.924	24.2161	-0.9847818	0.010379	No
Thbs2	0.39685	0.19332	-0.20353	0.00455632	No	Cpt1a	23.1004	41.6352	0.849884	23.1014	41.6362	0.84985812	0.00329119	No
Theg	0.94799	0.82987	-0.11812	0.00542685	No	Cpt1c	0.0338681	0.860617	4.66737	0.0348681	0.861617	4.62706706	0.016558	No
Thtpa	0.13499	0.026413	-0.108577	0.00102242	No	Cpt2	2.03411	17.4351	3.09953	2.03511	17.4361	3.0988987	0.00018329	No
Timm23	0.15425	0.23435	0.0801	0.01527608	No	Cpz	0.0642452	1.56431	4.60579	0.0652452	1.56531	4.58443282	0.0162458	No
Tjap1	0.63654	0.44007	-0.19647	0.03032002	No	Cr1l	79.2489	44.8763	-0.820435	79.2499	44.8773	-0.8204232	0.00902869	No
Tlx1	0.22523	0.10403	-0.1212	0.00212541	No	Crabp1	0	2.01464	inf	0.001	2.01564	10.9770223	0.00018329	No
Tm4sf1	0.95441	0.55517	-0.39924	6.50E-07	No	Cradd	11.1958	3.24055	-1.78865	11.1968	3.24155	-1.7883307	0.00035173	No
Tm6sf2	0.74949	0.28069	-0.4688	1.12E-06	No	Cramp1l	9.15212	3.85875	-1.24597	9.15312	3.85975	-1.2457562	0.00018329	No
Tmed6	0.8915	0.59427	-0.29723	6.69E-05	No	Crat	2.22212	43.4135	4.28813	2.22312	43.4145	4.28751924	0.00018329	No
Tmem114	0.11534	0.023144	-0.092196	0.00025534	No	Creb1	11.3612	4.04808	-1.4888	11.3622	4.04908	-1.4885762	0.00018329	No
Tmem119	0.83972	0.55709	-0.28263	0.00368736	No	Creb3l1	0.0668456	6.21083	6.53781	0.0678456	6.21183	6.51661928	0.00082046	No
Tmem132d	0.26964	0.10766	-0.16198	5.51E-05	No	Creb3l2	1.20722	24.4416	4.33957	1.20822	24.4426	4.33844268	0.00018329	No
Tmem151b	0.77101	0.29877	-0.47224	6.50E-07	No	Crebrf	26.4336	3.90809	-2.75784	26.4346	3.90909	-2.7575228	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tmem178a	0.29007	0.13835	-0.15172	0.00060029	No	CREBZF	43.5596	10.3804	-2.06912	43.5606	10.3814	-2.0690228	0.00018329	No
Tmem178b	0.058403	0.0060897	-0.0523133	0.00128825	No	Creg1	1.91821	27.9198	3.86346	1.91921	27.9208	3.86275579	0.00018329	No
Tmem181	0.37178	0.14141	-0.23037	0.01349957	No	Creld1	3.51972	13.914	1.98301	3.52072	13.915	1.98269851	0.00018329	No
Tmem184a	0.6899	0.38127	-0.30863	0.00212541	No	Creld2	12.241	26.6782	1.12394	12.242	26.6792	1.12387613	0.00035173	No
Tmem229a	0.22672	0.089955	-0.136765	0.00128825	No	Crim1	0.753577	27.9263	5.21172	0.754577	27.9273	5.20986416	0.00018329	No
Tmem262	0.86556	0.79982	-0.06574	0.00420619	No	Cript	75.4839	37.1324	-1.02349	75.4849	37.1334	-1.0234707	0.00018329	No
Tmem88	0.86135	0.38195	-0.4794	4.45E-07	No	Crispld1	0	0.852149	inf	0.001	0.853149	9.73665392	0.00018329	No
Tmprss3	0.82291	0.71975	-0.10316	0.00256829	No	Crispld2	0.300867	4.17824	3.7957	0.301867	4.17924	3.79125565	0.00018329	No
Tmsb4x	0	0.1043	0.1043	1.49E-07	No	Crk	14.2243	24.5989	0.790238	14.2253	24.5999	0.79019337	0.00210945	No
Tmub1	0.81772	0.73425	-0.08347	0.03521493	No	Crkl	43.6048	24.0533	-0.858253	43.6058	24.0543	-0.8582252	0.0112711	No
Tnfrsf18	0.0073479	0.28255	0.2752021	4.30E-12	No	Crlf3	194.505	15.4787	-3.65145	194.506	15.4797	-3.6513652	0.00018329	No
Tnfrsf25	0	0.22693	0.22693	2.16E-06	No	Crnk1	16.6237	10.6499	-0.642404	16.6247	10.6509	-0.642353	0.0264199	No
Tnfsf13b	0.2349	0.12047	-0.11443	0.00786631	No	Crocc	3.77871	31.3499	3.05249	3.77971	31.3509	3.05215941	0.00018329	No
Tnk2	0.80367	0.41809	-0.38558	9.35E-05	No	Crot	10.328	17.7279	0.779469	10.329	17.7289	0.77940244	0.032482	No
Tnnc2	0.22733	0.42708	0.19975	0.00034148	No	Crtam	12.7592	3.21187	-1.99006	12.7602	3.21287	-1.9897164	0.00018329	No
Tor1a	0.34211	0.1135	-0.22861	2.57E-06	No	CRTAP	11.1702	73.7488	2.72296	11.1712	73.7498	2.72285497	0.00018329	No
Tppp3	0.25197	0.10769	-0.14428	0.00212541	No	Crtc2	53.5826	28.343	-0.918771	53.5836	28.344	-0.9187481	0.00811172	No
Tradd	0.68604	0.23182	-0.45422	1.79E-05	No	Crtc3	3.11697	0.855288	-1.86566	3.11797	0.856288	-1.864439	0.00140841	No
Traf3ip1	0.15621	0.052854	-0.103356	0.03521493	No	Cry1	16.4196	5.29834	-1.6318	16.4206	5.29934	-1.6316222	0.00140841	No
Trank1	0.19189	0.11067	-0.08122	0.00128825	No	Cryab	0.018353	839.86	15.4818	0.019353	839.861	15.4053057	0.0018326	No
Trem2	0.75199	0.56828	-0.18371	0.00542685	No	Cryba4	2.05433	5.61626	1.45094	2.05533	5.61726	1.45049653	0.0127876	No
Trhr2	0.92877	0.7956	-0.13317	0.00021046	No	Cryga	0	9.03638	inf	0.001	9.03738	13.1416889	0.00018329	No
Trim15	0.21741	0.070408	-0.147002	5.90E-05	No	Cryl1	6.61907	46.0086	2.7972	6.62007	46.0096	2.79701654	0.00018329	No
Trim26	0.97416	0.89768	-0.07648	0.00351975	No	Cryz	0.712894	74.877	6.71469	0.713894	74.878	6.71268821	0.00018329	No
Trim36	0.18988	0.10565	-0.08423	0.02412126	No	Cryzl1	6.44179	12.1677	0.917526	6.44279	12.1687	0.91741757	0.00530972	No
Trim46	0.76027	0.42667	-0.3336	0.00054569	No	Csdc2	1.78934	4.80052	1.42376	1.79034	4.80152	1.42325759	0.00082046	No
Trim6	0.93638	0.49882	-0.43756	9.79E-07	No	Csde1	123.842	73.8184	-0.746449	123.843	73.8194	-0.7464404	0.0107084	No
Trim63	0.84385	0.4723	-0.37155	7.86E-10	No	Cse1l	24.0708	10.2309	-1.23435	24.0718	10.2319	-1.23427	0.00018329	No
Trip6	0.68305	0.20406	-0.47899	4.78E-12	No	Csf1	0.330969	8.63817	4.70596	0.331969	8.63917	4.70177228	0.00018329	No
Trmt2a	0.32377	0.16315	-0.16062	0.01448681	No	Csf1r	2.42053	65.437	4.75671	2.42153	65.438	4.75613787	0.00018329	No
Trmt61a	0.45441	0.19584	-0.25857	0.00085417	No	Csf2ra	1.99498	14.4374	2.85537	1.99598	14.4384	2.85474171	0.00018329	No
Tsks	0.81954	0.75866	-0.06088	0.02915203	No	Csf2rb	0.366757	15.4363	5.39536	0.367757	15.4373	5.39152383	0.00018329	No
Tspan11	0.11857	0.041333	-0.077237	4.67E-05	No	Csf3r	0.251393	1.97368	2.97287	0.252393	1.97468	2.96787508	0.00018329	No
Tssk3	0.70714	0.24504	-0.4621	3.77E-12	No	Csgalnact1	0.0871384	1.75799	4.33448	0.0881384	1.75899	4.31883276	0.00051281	No
Ttc8	0.26184	0.074516	-0.187324	0.00013988	No	Csgalnact2	9.01989	5.40607	-0.738531	9.02089	5.40707	-0.7384227	0.0378663	No
Ttc9b	0.084591	0.032091	-0.0525	0.00489594	No	Csk	192.242	63.2294	-1.60425	192.243	63.2304	-1.6042408	0.00018329	No
Ttl2	0.80227	0.67126	-0.13101	0.00085417	No	Csnk1a1	102.779	46.5961	-1.14127	102.78	46.5971	-1.1412475	0.00051281	No
Tubb2b	0.055617	0.17845	0.122833	0.0003275	No	Csnk1g1	5.31357	2.11601	-1.32834	5.31457	2.11701	-1.3279249	0.0301202	No
Tubg2	0.10154	0.037403	-0.064137	3.42E-09	No	Csnk1g2	138.097	86.3486	-0.677434	138.098	86.3496	-0.677431	0.0106031	No
Tug1	0.94832	0.86865	-0.07967	0.00368736	No	Csnk1g3	39.724	14.8091	-1.42353	39.725	14.8101	-1.4234658	0.00018329	No
Twist2	0.069392	0.013861	-0.055531	0.00455632	No	Csnk2a1	40.6193	21.3146	-0.930324	40.6203	21.3156	-0.9302912	0.00066911	No
Ube2ql1	0.13504	0.057669	-0.077371	0.00040512	No	Csrp1	35.7532	109.077	1.6092	35.7542	109.078	1.60917552	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ublcp1	0.1063	0.0247	-0.0816	0.00040512	No	Csrp2	0.653476	76.1414	6.8644	0.654476	76.1424	6.86221595	0.0031651	No
Ubxn10	0.0049413	0.52971	0.5247687	3.77E-12	No	Csrp3	0	4.87245	inf	0.001	4.87345	12.2507277	0.00018329	No
Ucn	0.21576	0.077694	-0.138066	0.00625768	No	Cst3	84.8521	488.202	2.52446	84.8531	488.203	2.52444189	0.00018329	No
Unc13d	8.33E-08	0.090804	0.09080392	0.00052221	No	Cst7	6.36661	12.7368	1.00041	6.36761	12.7378	1.00029224	0.0076683	No
Unc5c	0.074267	0.019071	-0.055196	0.00542685	No	Cstb	87.5849	196.397	1.16502	87.5859	196.398	1.1650097	0.00018329	No
Upk3a	0.080265	0.026094	-0.054171	0.00420619	No	Ctage5	52.7574	27.519	-0.938947	52.7584	27.52	-0.9389203	0.00018329	No
Usf2	0.91713	0.77303	-0.1441	0.00164763	No	Ctbs	4.52144	21.9362	2.27846	4.52244	21.9372	2.27820613	0.00018329	No
Ushbp1	0.83856	0.75021	-0.08835	7.11E-05	No	Ctc1	10.7834	34.4636	1.67627	10.7844	34.4646	1.67616936	0.00018329	No
Usp19	0.89326	0.81201	-0.08125	0.00119528	No	Ctcf	57.2692	22.8968	-1.32262	57.2702	22.8978	-1.3225756	0.0016929	No
Usp46	0.73007	0.56138	-0.16869	0.00275507	No	Ctdnep1	87.1674	54.0257	-0.690142	87.1684	54.0267	-0.6901327	0.00822601	No
Vgf	0.088332	0.029224	-0.059108	0.00034148	No	Ctdp1	29.8054	15.8125	-0.914512	29.8064	15.8135	-0.9144654	0.00154856	No
Vldlr	0.071017	0.33911	0.268093	1.37E-05	No	Ctdsp2	62.1604	34.569	-0.846519	62.1614	34.57	-0.8464984	0.00140841	No
Vom1r70	0.74472	0.60758	-0.13714	0.04893199	No	Ctdspl	0.114378	27.6538	7.91753	0.115378	27.6548	7.90501794	0.00018329	No
Vom2r55	0.8117	0.74454	-0.06716	0.00334228	No	Ctdspl2	12.4657	5.11969	-1.28383	12.4667	5.12069	-1.2836695	0.00018329	No
Vom2r61	0.85172	0.79755	-0.05417	0.02160305	No	Ctf1	0.766205	14.4254	4.23474	0.767205	14.4264	4.2329554	0.00018329	No
Vpreb1	0.8352	0.73639	-0.09881	4.67E-05	No	Cth	0.936509	46.786	5.64264	0.937509	46.787	5.64113137	0.00018329	No
Vpreb2	0.43411	0.6508	0.21669	0.01448681	No	Ctla2a	73.5817	41.3271	-0.832261	73.5827	41.3281	-0.8322436	0.00380824	No
Vsx2	0.14659	0.082471	-0.064119	0.01227906	No	Ctla4	29.4585	16.8937	-0.802199	29.4595	16.8947	-0.8021622	0.0311417	No
Vwc2	0.7263	0.63725	-0.08905	0.01899425	No	Ctnna1	3.29219	105.457	5.00146	3.29319	105.458	5.00103898	0.00018329	No
Vwc2l	0.37875	0.26974	-0.10901	0.03760671	No	Ctnna3	0	1.41783	inf	0.001	1.41883	10.470486	0.00018329	No
Vwce	0.18842	0.10288	-0.08554	0.00100996	No	Ctnnal1	3.07519	21.032	2.77384	3.07619	21.033	2.77343812	0.00097029	No
Wbscr17	0.16322	0.045236	-0.117984	0.00013988	No	Ctnnbip1	0.0923694	7.19371	6.28318	0.0933694	7.19471	6.26784291	0.00018329	No
Wfdc15a	0.95417	0.85979	-0.09438	0.00625768	No	Ctnnb1	49.8508	25.2701	-0.980183	49.8518	25.2711	-0.9801571	0.00051281	No
Wfdc15b	0.97317	0.90832	-0.06485	1.79E-05	No	Ctnnd1	14.0691	30.7667	1.12884	14.0701	30.7677	1.12878402	0.00018329	No
Wfdc6a	0.72191	0.61593	-0.10598	0.01193781	No	Ctps2	28.9449	16.9346	-0.773337	28.9459	16.9356	-0.7732999	0.00615197	No
Wnk2	0.3097	0.095392	-0.214308	1.46E-05	No	Ctr9	31.4889	17.1574	-0.876012	31.4899	17.1584	-0.8759741	0.00111812	No
Wnt1	0.1629	0.06859	-0.09431	0.02412126	No	Ctsb	77.644	442.267	2.50997	77.645	442.268	2.50995593	0.00018329	No
Wnt10a	0.43912	0.31165	-0.12747	0.02915203	No	Ctsd	34.9062	272.181	2.96301	34.9072	272.182	2.96297512	0.00018329	No
Wnt2b	0.033545	0.095849	0.062304	0.03275343	No	Ctse	179.292	20.8423	-3.10472	179.293	20.8433	-3.1046635	0.00018329	No
Wnt6	0.10916	0.043839	-0.065321	0.0445679	No	Ctsh	4.08491	255.289	5.96568	4.08591	255.29	5.96533579	0.00018329	No
Wnt8a	0.49954	0.284	-0.21554	0.00768781	No	Ctsl1	22.9336	677.584	4.88486	22.9346	677.585	4.88480429	0.00018329	No
Wnt9b	0.085198	0.024204	-0.060994	0.00625768	No	Ctss	115.281	61.5356	-0.905655	115.282	61.5366	-0.9056506	0.0026435	No
Xkr6	0.15951	0.061169	-0.098341	0.00043712	No	Ctsw	304.685	132.568	-1.20058	304.686	132.569	-1.2005798	0.00018329	No
Ydjc	0.075216	0.20406	0.128844	7.63E-07	No	Ctsz	9.64525	69.4175	2.84741	9.64625	69.4185	2.84728009	0.00018329	No
Zbed5	0.7158	0.4656	-0.2502	0.00152471	No	Cttbnp2	0.202048	1.02321	2.34033	0.203048	1.02421	2.33461883	0.00018329	No
Zbtb17	0.42328	0.18949	-0.23379	0.01544668	No	Ctu1	6.83346	3.24539	-1.07423	6.83446	3.24639	-1.073991	0.0031651	No
Zbtb24	0.76256	0.40038	-0.36218	0.00070202	No	Ctxn1	0.243786	2.63421	3.43368	0.244786	2.63521	3.42832498	0.00251301	No
Zc2hc1c	0.75287	0.45489	-0.29798	0.00128825	No	Cul1	40.6206	26.6083	-0.610336	40.6216	26.6093	-0.6103165	0.0193605	No
Zcrb1	0.13696	0.064258	-0.072702	0.00768781	No	Cul3	70.0811	38.0991	-0.87927	70.0821	38.1001	-0.8792512	0.00097029	No
Zdhhc19	0.58141	0.33398	-0.24743	0.0031273	No	Cul4b	23.4338	10.0016	-1.22836	23.4348	10.0026	-1.2282774	0.00018329	No
Zdhhc22	0.087613	0.033537	-0.054076	0.04097311	No	Cul5	18.4848	7.73084	-1.25764	18.4858	7.73184	-1.2575338	0.00018329	No
Zfand2b	0.79155	0.57435	-0.2172	6.69E-05	No	Cul7	2.02214	5.56538	1.46059	2.02314	5.56638	1.46014324	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Zfp133	0.76018	0.30203	-0.45815	0.00142182	No	Cux1	24.5335	39.7847	0.697464	24.5345	39.7857	0.69743811	0.0365736	No
Zfp37	0.35451	0.10307	-0.25144	0.00164763	No	Cwc22	32.2446	20.0173	-0.687808	32.2456	20.0183	-0.6877829	0.0438054	No
Zfp385d	0.1066	0.041493	-0.065107	0.01178248	No	Cwc27	19.3475	32.8234	0.762574	19.3485	32.8244	0.76254692	0.049342	No
Zfp414	0.61453	0.34653	-0.268	0.00152471	No	Cwf19l1	39.7296	20.9051	-0.926358	39.7306	20.9061	-0.9263266	0.0275792	No
Zfp428	0.2432	0.45092	0.20772	0.00021046	No	Cx3cr1	0.557713	2.33315	2.06469	0.558713	2.33415	2.06271798	0.00469886	No
Zfp451	0.7869	0.62911	-0.15779	0.00475457	No	Cxcl1	0	34.796	inf	0.001	34.797	15.0866753	0.00018329	No
Zfp496	0.91109	0.53678	-0.37431	1.27E-06	No	Cxcl10	1.05006	20.8749	4.31323	1.05106	20.8759	4.31192146	0.00018329	No
Zfp516	0.90244	0.80035	-0.10209	8.62E-05	No	Cxcl12	0	83.9087	inf	0.001	83.9097	16.35655	0.00018329	No
Zfp521	0.31261	0.41377	0.10116	0.04680399	No	Cxcl13	0	6.20145	inf	0.001	6.20245	12.5986225	0.00018329	No
Zfp532	0.096531	0.024405	-0.072126	0.00368736	No	Cxcl16	0.50845	110.387	7.76225	0.50945	110.388	7.75942707	0.00018329	No
Zfp575	0.92301	0.84786	-0.07515	0.03863139	No	Cxcl2	0.23583	10.7839	5.51499	0.23683	10.7849	5.50901715	0.00224282	No
Zfp579	0.9003	0.8216	-0.0787	1.52E-05	No	Cxcl9	0	0.745097	inf	0.001	0.746097	9.5432194	0.00018329	No
Zfp772	0.87049	0.74895	-0.12154	0.00152471	No	Cxcr4	480.878	132.669	-1.85784	480.879	132.67	-1.8578317	0.00018329	No
Zfp949	0.74361	0.31711	-0.4265	0.00070202	No	Cxxc1	40.8676	28.1809	-0.53624	40.8686	28.1819	-0.5362239	0.0447246	No
Zic3	0.059873	0.03097	-0.028903	0.04097311	No	Cyb5a	54.2569	205.77	1.92315	54.2579	205.771	1.92313456	0.00018329	No
Zmynd10	0.76551	0.67741	-0.0881	0.01621946	No	Cyb5b	23.5916	111.908	2.24598	23.5926	111.909	2.24591974	0.00018329	No
Znf4	0.50771	0.32186	-0.18585	2.48E-05	No	Cyb5r1	6.28761	39.8745	2.66488	6.28861	39.8755	2.66468954	0.00018329	No
Zp3	0.67136	0.5183	-0.15306	0.01105145	No	Cyb5r2	0	1.22857	inf	0.001	1.22957	10.2639382	0.00018329	No
Zranb2	0.34726	0.22401	-0.12325	0.00575049	No	Cyb5r3	17.8303	52.768	1.56533	17.8313	52.769	1.56527876	0.00018329	No
Zrsr1	0.34794	0.26102	-0.08692	0.00022961	No	Cybrd1	3.0089	0.910226	-1.72494	3.0099	0.911226	-1.7238347	0.00018329	No
						CYC1	63.337	240.338	1.92394	63.338	240.339	1.92392756	0.00018329	No
						Cycs	50.5138	347.436	2.782	50.5148	347.437	2.78197336	0.00018329	No
						Cyfp1	2.65517	32.492	3.61321	2.65617	32.493	3.61270956	0.0327554	No
						Cyp20a1	6.93908	13.954	1.00786	6.94008	13.955	1.00775793	0.00755425	No
						Cyp26a1	0	1.21236	inf	0.001	1.21336	10.2447919	0.00018329	No
						Cyp2c11	0	2.12742	inf	0.001	2.12842	11.0555671	0.00018329	No
						Cyp2c23	0	103.615	inf	0.001	103.616	16.6608873	0.00018329	No
						Cyp2c24	0	3.15118	inf	0.001	3.15218	11.6221342	0.00018329	No
						Cyp2d1	0	14.8034	inf	0.001	14.8044	13.8537384	0.00018329	No
						Cyp2d2	1.64019	22.0426	3.74836	1.64119	22.0436	3.74754568	0.00018329	No
						Cyp2d4	0.251981	2.07021	3.03839	0.252981	2.07121	3.03337289	0.00018329	No
						Cyp2j10	0	1.5938	inf	0.001	1.5948	10.6391598	0.00018329	No
						Cyp2j4	0	1.10372	inf	0.001	1.10472	10.109465	0.00018329	No
						CYP2S1	1.77817	0.234083	-2.9253	1.77917	0.235083	-2.9199622	0.0247294	No
						Cyp2u1	11.8237	5.10685	-1.21118	11.8247	5.10785	-1.2110155	0.0209932	No
						Cyp4a1	0	5.08881	inf	0.001	5.08981	12.3133961	0.00970533	No
						Cyp4a2	0	325.059	inf	0.001	325.06	18.3103465	0.00018329	No
						Cyp4f1	0	17.3588	inf	0.001	17.3598	14.0834627	0.00018329	No
						Cyp4f17	16.2615	4.98995	-1.70436	16.2625	4.99095	-1.7041627	0.00018329	No
						Cyp4f6	7.02627	23.2025	1.72345	7.02727	23.2035	1.7233062	0.00018329	No
						CYP51A1	9.78683	17.853	0.867251	9.78783	17.854	0.86718638	0.00210945	No
						Cys1	0	32.8355	inf	0.001	32.8365	15.0030127	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Cystm1	0.540061	110.919	7.68217	0.541061	110.92	7.67951255	0.00018329	No
						Cyth1	48.9506	17.2229	-1.507	48.9516	17.2239	-1.5069442	0.00018329	No
						Cytip	455.352	44.256	-3.36304	455.353	44.257	-3.3630078	0.00018329	No
						D030056L22 Rik	18.626	7.6735	-1.27937	18.627	7.6745	-1.2792507	0.00018329	No
						D17Wsu104 e	21.6896	34.8821	0.685484	21.6906	34.8831	0.68545829	0.0476294	No
						D2hgdh	3.10024	19.4093	2.6463	3.10124	19.4103	2.64590533	0.00018329	No
						D5Ertd579e	16.1542	36.1147	1.16068	16.1552	36.1157	1.16062752	0.00018329	No
						D630039A03 Rik	0	8.98235	inf	0.001	8.98335	13.1330378	0.00018329	No
						D930015E06 Rik	64.2957	26.4988	-1.27879	64.2967	26.4998	-1.2787632	0.00251301	No
						Daam1	3.57038	8.73938	1.29145	3.57138	8.74038	1.29121436	0.00066911	No
						Dab2	0.231463	77.9808	8.39619	0.232463	77.9818	8.38999254	0.00018329	No
						Dach1	0	2.44106	inf	0.001	2.44206	11.2538829	0.00018329	No
						Dad1	152.635	282.223	0.886752	152.636	282.224	0.88674541	0.00066911	No
						Dag1	10.3552	66.7688	2.68881	10.3562	66.7698	2.68870099	0.00018329	No
						DAGLB	0.906676	9.42738	3.3782	0.907676	9.42838	3.37676059	0.00018329	No
						Dak	3.08175	30.9673	3.32892	3.08275	30.9683	3.32850239	0.00018329	No
						Dap	25.7233	114.871	2.15887	25.7243	114.872	2.15882346	0.00018329	No
						Dapk3	65.1426	102.189	0.649568	65.1436	102.19	0.64955867	0.0192579	No
						Dapl1	0	49.6985	inf	0.001	49.6995	15.6009437	0.00018329	No
						Dazap2	360.698	189.26	-0.93042	360.699	189.261	-0.9304183	0.00506686	No
						Dbf4	2.81	0.619311	-2.18184	2.811	0.620311	-2.1800198	0.00066911	No
						Dbi	76.1825	770.329	3.33794	76.1835	770.33	3.33792614	0.00018329	No
						Dbn1	0.456451	21.1843	5.53639	0.457451	21.1853	5.53330253	0.00018329	No
						Dbnnd2	2.41758	44.8452	4.21332	2.41858	44.8462	4.21275358	0.00018329	No
						Dbt	9.12787	20.8833	1.194	9.12887	20.8843	1.19391059	0.00018329	No
						Dcaf17	6.26176	3.15368	-0.989535	6.26276	3.15468	-0.9893049	0.00035173	No
						Dcaf5	14.7533	7.96316	-0.889627	14.7543	7.96416	-0.8895414	0.0018326	No
						Dcakd	3.9313	30.2931	2.94591	3.9323	30.2941	2.94559155	0.00224282	No
						Dcbld1	12.4343	7.23745	-0.780768	12.4353	7.23845	-0.7806886	0.0134442	No
						Dcdc2	0	6.66376	inf	0.001	6.66476	12.7023372	0.00018329	No
						Dck	19.7516	2.38016	-3.05284	19.7526	2.38116	-3.0523061	0.00018329	No
						Dclk1	0.0398356	3.0096	6.23937	0.0408356	3.0106	6.2040798	0.00035173	No
						Dclk3	0	25.3205	inf	0.001	25.3215	14.6280752	0.00018329	No
						Dclre1a	4.17441	19.6025	2.23139	4.17541	19.6035	2.23112148	0.00035173	No
						Dclre1c	16.3624	8.7715	-0.899492	16.3634	8.7725	-0.8994126	0.00406781	No
						Dcn	0	2.10764	inf	0.001	2.10864	11.0420971	0.00018329	No
						Dcp1b	10.9584	6.16823	-0.829106	10.9594	6.16923	-0.8290065	0.0168685	No
						Dcp2	1.43208	0.407964	-1.8116	1.43308	0.408964	-1.8090734	0.0118093	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dcps	39.0631	19.1603	-1.02769	39.0641	19.1613	-1.0276479	0.00210945	No
						Dcstamp	0	0.68569	inf	0.001	0.68669	9.42351514	0.00290302	No
						Dctd	17.4989	7.58292	-1.20644	17.4999	7.58392	-1.206331	0.00018329	No
						Dctn3	37.6963	61.724	0.711408	37.6973	61.725	0.71139373	0.0395808	No
						Dctpp1	4.0249	11.4842	1.51263	4.0259	11.4852	1.51239274	0.00126492	No
						Dcun1d1	13.5081	7.72905	-0.805459	13.5091	7.73005	-0.8053819	0.0368491	No
						Dcun1d4	2.81168	8.70511	1.63043	2.81268	8.70611	1.63008282	0.00018329	No
						Dcun1d5	77.1639	45.6476	-0.757387	77.1649	45.6486	-0.7573741	0.00555427	No
						Ddah1	0.226193	55.9497	7.95044	0.227193	55.9507	7.94409399	0.00018329	No
						Ddb2	15.9129	3.43553	-2.21159	15.9139	3.43653	-2.211263	0.0128946	No
						Ddc	0.206799	11.9585	5.85366	0.207799	11.9595	5.84682455	0.00018329	No
						Ddhd1	16.5211	9.52158	-0.795039	16.5221	9.52258	-0.7949727	0.0175951	No
						Ddhd2	18.8172	8.70998	-1.11131	18.8182	8.71098	-1.1112217	0.00018329	No
						DDIT3	22.5002	87.0412	1.95176	22.5012	87.0422	1.95171308	0.00902869	No
						Ddit4	43.6864	28.6989	-0.606187	43.6874	28.6999	-0.6061715	0.0287615	No
						Ddit4l	0	4.97833	inf	0.001	4.97933	12.2817359	0.00018329	No
						Ddrnk1	39.4236	74.4768	0.917733	39.4246	74.4778	0.91771434	0.00035173	No
						Ddt	86.4796	336.904	1.9619	86.4806	336.905	1.9618934	0.00018329	No
						Ddx10	12.6629	6.22029	-1.02556	12.6639	6.22129	-1.0254361	0.00051281	No
						Ddx11	7.55645	3.40535	-1.1499	7.55745	3.40635	-1.1496729	0.00354878	No
						Ddx17	158.124	82.4641	-0.939216	158.125	82.4651	-0.9392099	0.00591487	No
						Ddx18	26.3972	13.4298	-0.974943	26.3982	13.4308	-0.9748943	0.00035173	No
						Ddx20	28.6986	9.59605	-1.58047	28.6996	9.59705	-1.5803677	0.00018329	No
						Ddx21	46.4316	8.80191	-2.39922	46.4326	8.80291	-2.3990856	0.00018329	No
						Ddx26b	56.5862	14.552	-1.95924	56.5872	14.553	-1.9591592	0.00018329	No
						Ddx27	38.8801	18.8843	-1.04184	38.8811	18.8853	-1.0418053	0.00035173	No
						DDX39A	98.8347	58.2417	-0.762967	98.8357	58.2427	-0.762955	0.00902869	No
						DDX3X	87.6313	52.0077	-0.752721	87.6323	52.0087	-0.7527097	0.00834357	No
						Ddx42	41.1542	17.0537	-1.27096	41.1552	17.0547	-1.2709054	0.00035173	No
						Ddx5	742.052	211.361	-1.81181	742.053	211.362	-1.8118062	0.00018329	No
						Ddx52	35.4591	21.7913	-0.702406	35.4601	21.7923	-0.7023781	0.0465444	No
						Decr1	32.1581	79.3856	1.30369	32.1591	79.3866	1.30366848	0.00018329	No
						Decr2	1.24649	50.2184	5.33227	1.24749	50.2194	5.33114464	0.00018329	No
						Dedd2	32.16	15.4423	-1.05838	32.161	15.4433	-1.0583312	0.00445502	No
						Def6	56.0298	19.4258	-1.52822	56.0308	19.4268	-1.5281718	0.00018329	No
						Def8	2.12812	12.1901	2.51805	2.12912	12.1911	2.51749914	0.00018329	No
						Defb28	0	10.8837	inf	0.001	10.8847	13.410014	0.00018329	No
						Defb29	0	16.449	inf	0.001	16.45	14.0058	0.00018329	No
						Dek	64.9075	36.266	-0.839767	64.9085	36.267	-0.83975	0.00111812	No
						Dennd1a	3.95355	7.68603	0.959091	3.95455	7.68703	0.95891276	0.00154856	No
						Dennd1b	8.69588	4.98634	-0.802352	8.69688	4.98734	-0.8022274	0.00834357	No
						Dennd1c	369.791	103.772	-1.8333	369.792	103.773	-1.8332829	0.00097029	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dennd2d	118.074	20.7094	-2.51133	118.075	20.7104	-2.5112762	0.00519348	No
						Dennd3	15.6305	6.95666	-1.1679	15.6315	6.95766	-1.1677821	0.00018329	No
						Dennd4a	4.77711	2.84646	-0.746971	4.77811	2.84746	-0.7467645	0.0394791	No
						Dennd4b	53.2163	18.3497	-1.53611	53.2173	18.3507	-1.5360602	0.00018329	No
						Dennd5b	0.234463	1.37275	2.54964	0.235463	1.37375	2.5445472	0.00777671	No
						Dennd6a	37.7177	16.3731	-1.20392	37.7187	16.3741	-1.2038643	0.00018329	No
						Denr	85.6808	51.2641	-0.741023	85.6818	51.2651	-0.7410118	0.00925991	No
						DEPP	0	4.95175	inf	0.001	4.95275	12.2740141	0.0135584	No
						Deptor	0.186107	12.6233	6.08382	0.187107	12.6243	6.07619605	0.00018329	No
						Dexi	27.544	61.6751	1.16295	27.545	61.6761	1.16292108	0.00018329	No
						Dfna5	0.350758	2.32727	2.73009	0.351758	2.32827	2.72660323	0.00035173	No
						Dfnb31	1.69341	12.3136	2.86225	1.69441	12.3146	2.86151485	0.00018329	No
						Dfnb59	0.159394	1.19743	2.90928	0.160394	1.19843	2.90145356	0.0133341	No
						Dgat2	0.266429	15.5219	5.86441	0.267429	15.5229	5.85909838	0.00018329	No
						Dgcr6	6.04004	54.0284	3.16109	6.04104	54.0294	3.16087582	0.00018329	No
						Dgcr8	11.3	6.66942	-0.760695	11.301	6.67042	-0.7606009	0.00755425	No
						Dgka	404.775	78.0137	-2.37532	404.776	78.0147	-2.3753059	0.00018329	No
						Dgke	4.66382	1.73332	-1.42797	4.66482	1.73432	-1.4274513	0.00126492	No
						Dgkz	164.791	52.1298	-1.66046	164.792	52.1308	-1.6604383	0.00018329	No
						Dhcr7	3.6481	8.0401	1.14007	3.6491	8.0411	1.13985218	0.00111812	No
						Dhdds	5.13338	21.1504	2.0427	5.13438	21.1514	2.04249118	0.00018329	No
						Dhfr	4.13708	17.5777	2.08706	4.13808	17.5787	2.08679494	0.00018329	No
						Dhrs11	27.1054	44.5229	0.715967	27.1064	44.5239	0.71594645	0.0232058	No
						Dhrs3	1.78174	97.1807	5.76931	1.78274	97.1817	5.76851645	0.00018329	No
						Dhrs4	13.9199	57.0166	2.03423	13.9209	57.0176	2.03415483	0.00018329	No
						Dhtkd1	0.0255722	6.03273	7.88209	0.0265722	6.03373	7.82698865	0.0229171	No
						Dhx15	89.6612	37.1419	-1.27144	89.6622	37.1429	-1.2714134	0.00018329	No
						Dhx29	12.3335	7.01295	-0.814493	12.3345	7.01395	-0.8144002	0.0158179	No
						Dhx33	5.05832	2.15005	-1.23429	5.05932	2.15105	-1.2339024	0.00051281	No
						Dhx36	22.3206	8.70101	-1.35912	22.3216	8.70201	-1.3590199	0.00018329	No
						Dhx37	8.06479	4.8898	-0.721863	8.06579	4.8908	-0.7217454	0.0254479	No
						Dhx38	16.0149	9.08099	-0.818497	16.0159	9.08199	-0.8184245	0.00197017	No
						Dhx8	13.202	6.95585	-0.924457	13.203	6.95685	-0.9243597	0.00051281	No
						Dhx9	39.3266	17.3134	-1.18361	39.3276	17.3144	-1.1835698	0.00018329	No
						Dido1	12.2109	5.91457	-1.04583	12.2119	5.91557	-1.0456986	0.00210945	No
						Diexf	14.3691	7.39736	-0.957882	14.3701	7.39836	-0.9577927	0.00154856	No
						Dip2a	1.34547	4.94567	1.87806	1.34647	4.94667	1.87727557	0.00018329	No
						Dip2b	13.5219	3.28858	-2.03976	13.5229	3.28958	-2.0394293	0.00018329	No
						Dip2c	0.566548	1.66778	1.55765	0.567548	1.66878	1.55597945	0.00097029	No
						Dirc2	28.5034	19.0953	-0.577918	28.5044	19.0963	-0.5778915	0.0384488	No
						Dis3	9.25562	3.66676	-1.33582	9.25662	3.66776	-1.3355863	0.00051281	No
						Dis3l	7.72201	59.6715	2.94999	7.72301	59.6725	2.94983108	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Disc1	2.12998	0.444857	-2.25942	2.13098	0.445857	-2.2568641	0.00018329	No
						Dixdc1	0.158758	2.37473	3.90286	0.159758	2.37573	3.8944108	0.00018329	No
						Dkk2	0	1.28729	inf	0.001	1.28829	10.3312417	0.00018329	No
						Dlat	7.76647	25.6759	1.72508	7.76747	25.6769	1.72495437	0.0108214	No
						Dlc1	0.141037	0.60018	2.08932	0.142037	0.60118	2.08153022	0.00303839	No
						Dld	41.2417	75.6215	0.874691	41.2427	75.6225	0.87467676	0.0016929	No
						Dleu7	0	1.48266	inf	0.001	1.48366	10.5349448	0.00018329	No
						Dlg4	7.00227	2.15386	-1.7009	7.00327	2.15486	-1.7004346	0.00018329	No
						Dlg5	0	2.75462	inf	0.001	2.75562	11.4281612	0.00018329	No
						Dlgap1	0	1.98506	inf	0.001	1.98606	10.9556935	0.0366633	No
						Dlgap4	16.0681	25.6444	0.674443	16.0691	25.6454	0.67441095	0.0178047	No
						Dlst	26.3422	65.674	1.31794	26.3432	65.675	1.31791369	0.00018329	No
						DMD	0.117917	3.22195	4.77209	0.118917	3.22295	4.76035493	0.00018329	No
						Dmgdh	0	17.2066	inf	0.001	17.2076	14.0707583	0.00018329	No
						Dmpk	0.170504	26.8205	7.29738	0.171504	26.8215	7.28900389	0.00018329	No
						Dmrt2	0	2.5089	inf	0.001	2.5099	11.2934142	0.00018329	No
						Dmrtc1b	0	0.630739	inf	0.001	0.631739	9.30318483	0.00018329	No
						Dmtf1	33.3349	12.5198	-1.41282	33.3359	12.5208	-1.4127499	0.00018329	No
						Dmtn	0.117714	74.7982	9.31157	0.118714	74.7992	9.29938895	0.00018329	No
						Dmwd	0.29207	5.91495	4.33998	0.29307	5.91595	4.33529266	0.00018329	No
						Dmxl1	6.37901	2.43048	-1.39209	6.38001	2.43148	-1.391724	0.00018329	No
						Dnajib1	28.3684	54.3201	0.937202	28.3694	54.3211	0.93717706	0.00051281	No
						Dnajib4	32.2659	20.4954	-0.654709	32.2669	20.4964	-0.6546844	0.0474615	No
						Dnajib6	98.1052	34.5221	-1.50681	98.1062	34.5231	-1.5067823	0.00018329	No
						Dnajc10	10.0049	16.7026	0.739366	10.0059	16.7036	0.73930813	0.00788539	No
						Dnajc12	2.76439	12.1446	2.13529	2.76539	12.1456	2.1348789	0.00018329	No
						Dnajc15	18.2452	58.8806	1.69027	18.2462	58.8816	1.69022084	0.00018329	No
						Dnajc25	0.550156	4.40578	3.00148	0.551156	4.40678	2.99919225	0.00018329	No
						Dnajc28	0.439303	3.91942	3.15735	0.440303	3.92042	3.15443964	0.00018329	No
						Dnajc4	5.35105	21.9211	2.03443	5.35205	21.9221	2.03422251	0.00018329	No
						Dnajc5	38.6568	18.0208	-1.10106	38.6578	18.0218	-1.1010164	0.00035173	No
						Dnajc7	139.907	68.6723	-1.02667	139.908	68.6733	-1.0266573	0.00018329	No
						DNAJC9	80.2962	26.2237	-1.61446	80.2972	26.2247	-1.6144234	0.00018329	No
						Dnal1	0.336709	2.12554	2.65825	0.337709	2.12654	2.65465546	0.00277264	No
						Dnal4	1.51669	13.0717	3.10744	1.51769	13.0727	3.1066081	0.00018329	No
						Dnase1l1	42.9851	18.8521	-1.18911	42.9861	18.8531	-1.1890685	0.00051281	No
						DNLZ	32.0825	88.1862	1.45877	32.0835	88.1872	1.45873774	0.00018329	No
						Dnm1	0.873846	49.1413	5.81341	0.874846	49.1423	5.81179249	0.00018329	No
						Dnm3	0	7.98265	inf	0.001	7.98365	12.9628328	0.00018329	No
						Dnmbp	0.836652	15.7251	4.2323	0.837652	15.7261	4.23066612	0.00018329	No
						Dnmt1	21.2504	8.62965	-1.30012	21.2514	8.63065	-1.3000168	0.00018329	No
						Dnmt3b	11.2704	2.10994	-2.41727	11.2714	2.11094	-2.4167092	0.00018329	No

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						Dnph1	0.43357	8.69508	4.32586	0.43457	8.69608	4.32270472	0.00097029	No
						Dnttip2	27.3841	17.8779	-0.615163	27.3851	17.8789	-0.6151332	0.0227188	No
						Doc2g	29.4439	59.7633	1.02129	29.4449	59.7643	1.02126618	0.012679	No
						Dock11	48.2878	6.653	-2.85958	48.2888	6.654	-2.8593948	0.00018329	No
						Dock2	84.9874	17.7936	-2.25589	84.9884	17.7946	-2.2558264	0.00018329	No
						Dock5	0.134497	1.02852	2.93492	0.135497	1.02952	2.92563904	0.00018329	No
						Dock6	0.0234268	12.9143	9.1066	0.0244268	12.9153	9.04640056	0.00018329	No
						Dock7	1.32756	9.55656	2.84772	1.32856	9.55756	2.84677897	0.00018329	No
						Dock9	1.63811	15.2429	3.21803	1.63911	15.2439	3.21724747	0.00018329	No
						Dohh	18.8267	29.959	0.670213	18.8277	29.96	0.67018085	0.0251381	No
						Dok4	0.125554	10.9383	6.44494	0.126554	10.9393	6.43362351	0.0031651	No
						Dopey1	22.8823	11.0542	-1.04963	22.8833	11.0552	-1.04957	0.0422061	No
						Dpagt1	10.5462	25.915	1.29706	10.5472	25.916	1.29698301	0.00051281	No
						Dpcd	8.06139	38.178	2.24364	8.06239	38.179	2.24349984	0.00018329	No
						Dpep2	0.585516	3.18614	2.44403	0.586516	3.18714	2.44202002	0.00018329	No
						Dpf2	54.6894	34.8976	-0.648134	54.6904	34.8986	-0.6481185	0.0146209	No
						Dpf3	0.069847	1.21772	4.12384	0.070847	1.21872	4.10451613	0.0444336	No
						Dph2	6.69007	3.43129	-0.96327	6.69107	3.43229	-0.9630655	0.0063852	No
						Dph5	17.1321	5.36327	-1.67552	17.1331	5.36427	-1.6753325	0.00018329	No
						Dpm2	17.7814	30.6914	0.787463	17.7824	30.6924	0.78743141	0.017174	No
						Dpp7	44.9384	94.5392	1.07296	44.9394	94.5402	1.07294705	0.00018329	No
						Dpy19l1	7.30442	12.8187	0.811409	7.30542	12.8197	0.81132338	0.0066167	No
						Dpy30	171.955	93.984	-0.871545	171.956	93.985	-0.871537	0.00126492	No
						Dpyd	0	1.61883	inf	0.001	1.61983	10.6616267	0.00018329	No
						Dpysl3	0	1.01106	inf	0.001	1.01206	9.98307911	0.00018329	No
						Dr1	23.1017	12.9725	-0.83254	23.1027	12.9735	-0.8324937	0.00197017	No
						Dram1	1.45762	7.33576	2.33133	1.45862	7.33676	2.33053901	0.00018329	No
						Drg1	36.3	20.6858	-0.811326	36.301	20.6868	-0.8112988	0.00277264	No
						Dsc2	0.147539	1.0185	2.78728	0.148539	1.0195	2.7789481	0.00018329	No
						Dse	12.1567	5.6022	-1.11768	12.1577	5.6032	-1.1175474	0.00018329	No
						Dsg2	0	1.15261	inf	0.001	1.15361	10.1719399	0.00018329	No
						Dst	24.3799	82.9092	1.76584	24.3809	82.9102	1.76579822	0.00140841	No
						Dstn	113.96	220.21	0.950345	113.961	220.211	0.95034635	0.00018329	No
						Dsty	2.64217	5.36642	1.02223	2.64317	5.36742	1.02195957	0.0026435	No
						Dtd1	44.8824	26.2537	-0.773628	44.8834	26.2547	-0.7736063	0.00650199	No
						Dtna	0	2.54617	inf	0.001	2.54717	11.3146795	0.00018329	No
						Dtnbp1	4.50303	14.8642	1.72288	4.50403	14.8652	1.72265053	0.00018329	No
						Dtx1	10.731	0.894937	-3.58385	10.732	0.895937	-3.5823779	0.00925991	No
						Dtx3	17.7454	46.4981	1.38973	17.7464	46.4991	1.3896764	0.00018329	No
						Dtx4	0.135042	1.35114	3.3227	0.136042	1.35214	3.31312051	0.0142025	No
						Dus2	32.9825	18.0334	-0.871027	32.9835	18.0344	-0.8709931	0.0148363	No
						Dus4l	2.38804	1.08081	-1.14371	2.38904	1.08181	-1.1429839	0.0133341	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dusp1	23.7248	262.188	3.46614	23.7258	262.189	3.46607852	0.00018329	No
						Dusp10	8.65318	2.72198	-1.66858	8.65418	2.72298	-1.6682107	0.00018329	No
						Dusp14	0.295299	5.02411	4.08862	0.296299	5.02511	4.08402951	0.00018329	No
						Dusp3	7.1779	15.9919	1.15571	7.1789	15.9929	1.15559686	0.00018329	No
						Dusp5	4.19727	21.0387	2.32552	4.19827	21.0397	2.32524728	0.00018329	No
						Dusp6	8.12395	26.0452	1.68077	8.12495	26.0462	1.68064207	0.00018329	No
						Dut	30.3394	58.3537	0.943631	30.3404	58.3547	0.94360875	0.00290302	No
						Dvl1	24.9971	46.2107	0.886467	24.9981	46.2117	0.88643972	0.0018326	No
						Dync2li1	0.188603	12.285	6.02539	0.189603	12.286	6.01788969	0.00018329	No
						Dynll2	27.7664	84.6085	1.60746	27.7674	84.6095	1.60742756	0.00018329	No
						DYRK1A	34.139	11.5095	-1.56859	34.14	11.5105	-1.5685126	0.00018329	No
						Dzip1l	0	8.67192	inf	0.001	8.67292	13.0823021	0.00018329	No
						Dzip3	5.98633	2.15065	-1.4769	5.98733	2.15165	-1.4764694	0.00018329	No
						E130012A19 Rik	5.32383	1.43493	-1.89148	5.32483	1.43593	-1.89075	0.00018329	No
						E2f2	13.172	3.20229	-2.0403	13.173	3.20329	-2.0399576	0.00018329	No
						E2f6	23.302	15.1857	-0.617738	23.303	15.1867	-0.6177073	0.0280932	No
						Eaf1	5.05917	12.6781	1.32536	5.06017	12.6791	1.32519458	0.00035173	No
						Eapp	54.0937	31.5866	-0.776149	54.0947	31.5876	-0.7761289	0.0265238	No
						Ebag9	30.882	15.8926	-0.958409	30.883	15.8936	-0.958367	0.00082046	No
						Ebf4	0	2.20248	inf	0.001	2.20348	11.1055681	0.00018329	No
						Ebi3	2.05465	7.56398	1.88025	2.05565	7.56498	1.87974162	0.0104928	No
						Ebp	24.3082	43.6034	0.842997	24.3092	43.6044	0.8429713	0.00603614	No
						Ece1	9.04591	24.0989	1.41363	9.04691	24.0999	1.41353014	0.00018329	No
						Ech1	93.5891	153.466	0.713507	93.5901	153.467	0.71350063	0.00674218	No
						Echdc3	0.177916	21.9249	6.94522	0.178916	21.9259	6.93720984	0.00914594	No
						Eci1	20.172	102.334	2.34286	20.173	102.335	2.3428021	0.00018329	No
						Eci2	14.6245	43.6109	1.5763	14.6255	43.6119	1.5762359	0.00018329	No
						Eci3	6.55145	125.482	4.25953	6.55245	125.483	4.25931368	0.00018329	No
						Ecm1	2.53245	8.15493	1.68714	2.53345	8.15593	1.68674604	0.00018329	No
						Ecscr	0	3.44626	inf	0.001	3.44726	11.7512344	0.00018329	No
						Ecsit	13.3398	48.1846	1.85283	13.3408	48.1856	1.85275689	0.00035173	No
						Ect2	0.138056	1.44881	3.39153	0.139056	1.44981	3.38212594	0.00018329	No
						Edc4	14.0346	48.5728	1.79116	14.0356	48.5738	1.79108762	0.00277264	No
						Edem1	46.683	16.7694	-1.47707	46.684	16.7704	-1.4770111	0.00018329	No
						Edn1	0	1.248	inf	0.001	1.249	10.2865578	0.00018329	No
						Ednra	0	1.60328	inf	0.001	1.60428	10.6477102	0.00018329	No
						Ednrb	0	1.51138	inf	0.001	1.51238	10.562605	0.00018329	No
						Eea1	3.26312	7.50118	1.20087	3.26412	7.50218	1.20061578	0.0230128	No
						Eed	29.7712	14.0474	-1.08362	29.7722	14.0484	-1.08356	0.00018329	No
						Eef1a1	10957.1	2468.04	-2.15042	10957.101	2468.041	-2.1504279	0.00018329	No
						Eef1b2	1494.28	398.167	-1.90801	1494.281	398.168	-1.9080023	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						EEF1B2L	0	1.09111	inf	0.001	1.09211	10.0929025	0.00018329	No
						Eef2k	11.4908	22.395	0.962694	11.4918	22.396	0.9626363	0.0101506	No
						Efcab4a	0.26673	7.88912	4.88641	0.26773	7.89012	4.88119653	0.00018329	No
						Efcab4b	12.3577	1.09018	-3.50277	12.3587	1.09118	-3.501566	0.012679	No
						Efcab7	1.63024	3.44743	1.08044	1.63124	3.44843	1.07997062	0.00822601	No
						Efemp1	0	51.0487	inf	0.001	51.0497	15.6396149	0.00018329	No
						Efhc2	0.0717445	1.8129	4.65928	0.0727445	1.8139	4.64011294	0.00238141	No
						Efna4	0.398317	7.00186	4.13575	0.399317	7.00286	4.13233785	0.00018329	No
						Efnb1	0.486474	12.2755	4.65728	0.487474	12.2765	4.65443023	0.00018329	No
						Efnb2	0.364066	4.03379	3.46987	0.365066	4.03479	3.46626437	0.00018329	No
						Efr3a	21.2384	12.984	-0.70994	21.2394	12.985	-0.709897	0.0107084	No
						Efr3b	0	0.676359	inf	0.001	0.677359	9.40377685	0.00744054	No
						Eftud2	36.5668	22.6492	-0.691075	36.5678	22.6502	-0.69105	0.00799878	No
						Egf	0.14771	49.2213	8.38038	0.14871	49.2223	8.3706666	0.00018329	No
						Egfr	0	1.66354	inf	0.001	1.66454	10.7009078	0.00018329	No
						Egr2	0.085328	1.66591	4.28715	0.086328	1.66691	4.27120384	0.00018329	No
						Ehbp1	0.767299	4.68594	2.61048	0.768299	4.68694	2.60890655	0.00018329	No
						Ehd1	9.31048	26.2687	1.49642	9.31148	26.2697	1.49631733	0.00018329	No
						Ehd4	5.112	15.3614	1.58735	5.113	15.3624	1.58716169	0.00018329	No
						Ehhadh	1.66264	8.60671	2.37198	1.66364	8.60771	2.3712862	0.00018329	No
						Ehmt1	11.0874	4.18327	-1.40622	11.0884	4.18427	-1.4060034	0.00018329	No
						Eid2b	7.84994	2.72811	-1.52478	7.85094	2.72911	-1.5244349	0.00018329	No
						Eif1b	55.9503	98.576	0.817089	55.9513	98.577	0.81707942	0.00342383	No
						Eif2ak3	15.4348	5.86787	-1.39528	15.4358	5.86887	-1.3951256	0.00018329	No
						Eif2b3	15.4548	9.73571	-0.6667	15.4558	9.73671	-0.6666421	0.0414627	No
						Eif2s2	105.735	58.8283	-0.845876	105.736	58.8293	-0.8458599	0.00126492	No
						Eif2s3	115.201	28.5998	-2.01008	115.202	28.6008	-2.0100384	0.00018329	No
						Eif3a	61.61	34.6574	-0.830001	61.611	34.6584	-0.8299829	0.00154856	No
						Eif3c	82.9667	53.2421	-0.639964	82.9677	53.2431	-0.6399552	0.0214018	No
						Eif3d	89.7141	58.8793	-0.607574	89.7151	58.8803	-0.6075658	0.0221058	No
						Eif3e	412.223	96.526	-2.09444	412.224	96.527	-2.0944241	0.00018329	No
						EIF3F	376.982	152.379	-1.30683	376.983	152.38	-1.3068259	0.00018329	No
						Eif3g	319.298	155.726	-1.03589	319.299	155.727	-1.0358889	0.00018329	No
						Eif3h	232.673	89.3848	-1.3802	232.674	89.3858	-1.3801924	0.00018329	No
						Eif3i	174.296	95.4709	-0.868402	174.297	95.4719	-0.8683997	0.00238141	No
						Eif3m	320.805	135.782	-1.2404	320.806	135.783	-1.2403983	0.00018329	No
						Eif4b	180.348	82.0965	-1.13539	180.349	82.0975	-1.1353812	0.00018329	No
						Eif4e	43.4002	28.7434	-0.59447	43.4012	28.7444	-0.594454	0.0321839	No
						Eif4e2	62.96	39.8752	-0.658943	62.961	39.8762	-0.6589305	0.0217091	No
						Eif4e3	8.79719	4.10067	-1.10118	8.79819	4.10167	-1.1009953	0.00035173	No
						Eif4enif1	20.2665	12.1225	-0.741414	20.2675	12.1235	-0.7413619	0.0187317	No
						Eif4g1	22.0155	13.9153	-0.66184	22.0165	13.9163	-0.6618095	0.0300303	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eif4h	160.369	95.7498	-0.744055	160.37	95.7508	-0.7440478	0.00419853	No
						Eif5	125.614	50.5424	-1.31343	125.615	50.5434	-1.3134141	0.00018329	No
						Elac1	0.437445	1.52338	1.8001	0.438445	1.52438	1.7977548	0.00018329	No
						Elf1	72.2611	13.516	-2.41856	72.2621	13.517	-2.4184642	0.00018329	No
						Elf2	41.4891	13.4462	-1.62553	41.4901	13.4472	-1.6254613	0.00018329	No
						Elf4	30.0531	4.02487	-2.9005	30.0541	4.02587	-2.9001893	0.00018329	No
						Elk1	33.4787	59.2572	0.823746	33.4797	59.2582	0.8237282	0.0268173	No
						Elk3	33.4498	11.1764	-1.58154	33.4508	11.1774	-1.5814561	0.00018329	No
						Elk4	40.2889	6.74856	-2.57773	40.2899	6.74956	-2.5775529	0.00018329	No
						ElI3	2.34988	8.72555	1.89266	2.35088	8.72655	1.89221051	0.00018329	No
						Elmo1	21.1667	4.36796	-2.27677	21.1677	4.36896	-2.2765027	0.00018329	No
						Elmsan1	19.0471	5.77193	-1.72245	19.0481	5.77293	-1.7222715	0.00018329	No
						Elof1	32.6789	80.8466	1.30683	32.6799	80.8476	1.30680138	0.00018329	No
						Elovl5	155.276	29.656	-2.38844	155.277	29.657	-2.3883996	0.00018329	No
						Emc3	31.1788	48.6956	0.643223	31.1798	48.6966	0.64320937	0.0125688	No
						Emcn	0	14.9101	inf	0.001	14.9111	13.8640991	0.00018329	No
						Emilin1	0.291158	6.61517	4.5059	0.292158	6.61617	4.50117561	0.00018329	No
						Eml2	2.58997	16.1902	2.64412	2.59097	16.1912	2.6436457	0.00018329	No
						Eml4	37.292	13.4069	-1.47589	37.293	13.4079	-1.4758216	0.00018329	No
						Emp1	3.41959	8.91426	1.38229	3.42059	8.91526	1.38203168	0.00018329	No
						Emp2	0	6.36439	inf	0.001	6.36539	12.6360332	0.00018329	No
						Emp3	272.456	105.908	-1.36321	272.457	105.909	-1.3632034	0.00018329	No
						Emr1	0.224049	2.71823	3.60078	0.225049	2.71923	3.59488712	0.00018329	No
						Emx1	0	10.145	inf	0.001	10.146	13.3086234	0.00018329	No
						En2	0	1.12346	inf	0.001	1.12446	10.1350166	0.00018329	No
						Enah	0.081104	7.1577	6.46358	0.082104	7.1587	6.4461013	0.00018329	No
						Enc1	0.0616547	5.10082	6.37037	0.0626547	5.10182	6.34744545	0.00035173	No
						Endod1	1.10945	12.9698	3.54723	1.11045	12.9708	3.54605112	0.00018329	No
						Enkd1	0.539991	8.43399	3.96521	0.540991	8.43499	3.96270986	0.00018329	No
						Enkur	0.113502	1.105	3.28327	0.114502	1.106	3.27190668	0.036101	No
						Eno1	267.723	692.759	1.37161	267.724	692.76	1.37160916	0.00018329	No
						Enox1	0	5.01149	inf	0.001	5.01249	12.2913117	0.00018329	No
						Enpp2	4.29778	0.977598	-2.13628	4.29878	0.978598	-2.135139	0.00018329	No
						Enpp5	1.01129	25.7176	4.66849	1.01229	25.7186	4.66711755	0.00018329	No
						Enpp6	0	12.1533	inf	0.001	12.1543	13.5691792	0.00018329	No
						Entpd2	5.15038	150.346	4.86746	5.15138	150.347	4.8671933	0.00018329	No
						Entpd6	5.7654	3.38317	-0.769046	5.7664	3.38417	-0.7688689	0.02885	No
						EP300	5.7288	2.42493	-1.24029	5.7298	2.42593	-1.2399469	0.0220133	No
						Ep400	21.8724	13.1964	-0.728963	21.8734	13.1974	-0.7289238	0.0342763	No
						Epb4.1	96.6097	25.8582	-1.90155	96.6107	25.8592	-1.9015053	0.00018329	No
						Epb4.1I5	1.46012	16.8667	3.53002	1.46112	16.8677	3.52911669	0.00018329	No
						Epb4111	0.0342414	38.2486	10.1254	0.0352414	38.2496	10.0839577	0.00948282	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Epb4112	29.4198	11.8963	-1.30628	29.4208	11.8973	-1.3062023	0.00018329	No
						EPC1	66.6976	19.689	-1.76025	66.6986	19.69	-1.7601934	0.00018329	No
						Epg5	12.1673	3.67862	-1.72578	12.1683	3.67962	-1.7254989	0.00018329	No
						Epha1	0.333314	12.7625	5.25888	0.334314	12.7635	5.25467642	0.00035173	No
						Epha4	0	8.08905	inf	0.001	8.09005	12.9819329	0.00018329	No
						Epha7	0	14.1639	inf	0.001	14.1649	13.7900328	0.00018329	No
						Ephb6	19.2582	6.63316	-1.53771	19.2592	6.63416	-1.5375621	0.00018329	No
						Ephx1	5.99966	41.6764	2.79628	6.00066	41.6774	2.79607219	0.00018329	No
						Epn3	0	30.8054	inf	0.001	30.8064	14.9109425	0.00018329	No
						Eps15	33.0634	11.3827	-1.53839	33.0644	11.3837	-1.5383092	0.00018329	No
						Eps8	0.262572	15.0052	5.8366	0.263572	15.0062	5.83121776	0.00018329	No
						Eps8l1	0.0632891	14.9999	7.88878	0.0642891	15.0009	7.86625919	0.00082046	No
						Eps8l2	0.177484	127.163	9.48477	0.178484	127.164	9.47667984	0.00035173	No
						Ept1	9.22801	3.62797	-1.34686	9.22901	3.62897	-1.3466158	0.00018329	No
						Erb2ip	59.5203	32.4299	-0.87606	59.5213	32.4309	-0.876037	0.00698138	No
						Erb3	0.266811	3.3875	3.66633	0.267811	3.3885	3.66135965	0.00018329	No
						Erb4	0	4.29337	inf	0.001	4.29437	12.0682308	0.00018329	No
						Ercc1	9.73422	26.0204	1.4185	9.73522	26.0214	1.4184131	0.00406781	No
						Ercc3	33.3852	21.159	-0.657933	33.3862	21.16	-0.6579123	0.0440856	No
						Ercc6	9.66392	5.07554	-0.929046	9.66492	5.07654	-0.9289123	0.00506686	No
						Ercc6l	0.922244	0.244859	-1.9132	0.923244	0.245859	-1.9088808	0.00111812	No
						Erg	0	1.72537	inf	0.001	1.72637	10.753526	0.00018329	No
						Ergic3	47.8964	97.9702	1.03243	47.8974	97.9712	1.03241037	0.00018329	No
						Erh	265.841	171.504	-0.632318	265.842	171.505	-0.6323184	0.0183081	No
						Eri1	18.119	10.4213	-0.797972	18.12	10.4223	-0.7979093	0.00481718	No
						Eri2	2.29531	15.2731	2.73423	2.29631	15.2741	2.73369805	0.0186283	No
						Eri3	21.5104	43.3326	1.01042	21.5114	43.3336	1.01038467	0.0036827	No
						Erich1	5.63336	9.96355	0.822664	5.63436	9.96455	0.82255291	0.0374015	No
						Erich2	0	6.02926	inf	0.001	6.03026	12.5580045	0.00018329	No
						Erlec1	22.8047	36.8682	0.693045	22.8057	36.8692	0.69302166	0.0124598	No
						Erlin2	3.57576	11.472	1.68179	3.57676	11.473	1.68151746	0.00018329	No
						Ermp1	10.8153	20.8711	0.94844	10.8163	20.8721	0.94836869	0.0127876	No
						Ern1	1.65112	3.38978	1.03774	1.65212	3.39078	1.0372987	0.00140841	No
						Erp29	26.1229	94.3128	1.85214	26.1239	94.3138	1.85209859	0.00018329	No
						ERRFI1	2.18434	46.2836	4.40523	2.18534	46.2846	4.40460259	0.00018329	No
						Esco1	27.3326	15.5364	-0.814971	27.3336	15.5374	-0.8149304	0.0355427	No
						Esd	24.3078	92.0852	1.92155	24.3088	92.0862	1.92150629	0.00018329	No
						Esf1	12.9256	7.56988	-0.771894	12.9266	7.57088	-0.77181	0.0086849	No
						Esrp1	0	8.13209	inf	0.001	8.13309	12.9895879	0.00018329	No
						Esrrb	0	4.51315	inf	0.001	4.51415	12.1402386	0.00018329	No
						Esyt1	139.893	33.0821	-2.0802	139.894	33.0831	-2.0801678	0.00018329	No
						Esyt2	80.4406	19.4041	-2.05157	80.4416	19.4051	-2.0515059	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Etaa1	6.94506	1.48545	-2.22509	6.94606	1.48645	-2.2243239	0.00018329	No
						Etfa	40.2114	135.789	1.75569	40.2124	135.79	1.75566489	0.00018329	No
						Etfb	33.3673	388.028	3.53966	33.3683	388.029	3.53961439	0.00018329	No
						Etfdh	11.3149	32.3669	1.5163	11.3159	32.3679	1.51621244	0.00018329	No
						Etl4	0	10.6524	inf	0.001	10.6534	13.3790263	0.00018329	No
						Etnk2	0	1.16382	inf	0.001	1.16482	10.1858913	0.00018329	No
						Etnppl	0	7.03909	inf	0.001	7.04009	12.7813782	0.00018329	No
						Ets1	566.55	36.8857	-3.94107	566.551	36.8867	-3.9410332	0.00018329	No
						Ets2	4.73996	20.9396	2.14329	4.74096	20.9406	2.14305165	0.00018329	No
						Etv5	0.66228	2.59531	1.97039	0.66328	2.59631	1.96877272	0.00018329	No
						Eva1a	0	27.0637	inf	0.001	27.0647	14.7241248	0.00018329	No
						Evc	0	22.0086	inf	0.001	22.0096	14.4258453	0.00018329	No
						Evi2a	53.4989	12.4813	-2.09974	53.4999	12.4823	-2.0996524	0.0374015	No
						Evi2b	40.5381	7.00281	-2.53327	40.5391	7.00381	-2.5331022	0.0284818	No
						Evi5	4.68266	26.5259	2.502	4.68366	26.5269	2.50174783	0.00354878	No
						Evl	643.476	101.724	-2.66123	643.477	101.725	-2.6612143	0.00018329	No
						Ewsr1	5.78113	2.67986	-1.1092	5.78213	2.68086	-1.1089052	0.00481718	No
						Exoc3l2	0.128424	1.32624	3.36836	0.129424	1.32724	3.3582522	0.00066911	No
						Exoc3l4	0	0.805354	inf	0.001	0.806354	9.65526953	0.00018329	No
						Exoc5	17.1645	10.1503	-0.757901	17.1655	10.1513	-0.7578474	0.0111567	No
						Exoc6	7.60339	20.7535	1.44864	7.60439	20.7545	1.44851975	0.00035173	No
						Exog	3.79597	1.82045	-1.06017	3.79697	1.82145	-1.0597612	0.00329119	No
						Exosc1	45.4967	24.7428	-0.878753	45.4977	24.7438	-0.8787265	0.00579773	No
						Exosc2	19.2737	11.8311	-0.704045	19.2747	11.8321	-0.7040023	0.0292465	No
						Exosc6	9.6769	5.01861	-0.947259	9.6779	5.01961	-0.9471188	0.0423961	No
						Exosc9	29.924	12.8889	-1.21518	29.925	12.8899	-1.2151102	0.00018329	No
						Exph5	0.0468224	1.85571	5.30862	0.0478224	1.85671	5.27891815	0.00018329	No
						Ext1	8.36847	15.8681	0.923098	8.36947	15.8691	0.92301214	0.00126492	No
						Extl2	0.565133	1.39354	1.30209	0.566133	1.39454	1.30057639	0.0232058	No
						Eya3	11.4192	6.81699	-0.74425	11.4202	6.81799	-0.7441695	0.00650199	No
						F11r	0.554156	63.3193	6.83621	0.555156	63.3203	6.83363105	0.00018329	No
						F3	0	17.3478	inf	0.001	17.3488	14.0825483	0.00018329	No
						F5	2.06054	8.39193	2.02598	2.06154	8.39293	2.02545209	0.00018329	No
						F8	7.3472	3.74922	-0.970605	7.3482	3.75022	-0.9704157	0.00210945	No
						Fa2h	0	12.305	inf	0.001	12.306	13.5870743	0.00018329	No
						Fabp4	0	29.4582	inf	0.001	29.4592	14.8464306	0.00018329	No
						Fabp5	3.81969	66.2345	4.11606	3.82069	66.2355	4.11569955	0.00018329	No
						Fads1	0.022843	9.03664	8.62789	0.023843	9.03764	8.56623651	0.0454685	No
						Fads6	0.179763	3.22404	4.1647	0.180763	3.22504	4.15714574	0.00051281	No
						Fah	13.3485	90.3949	2.75957	13.3495	90.3959	2.75947163	0.00018329	No
						Fahd1	11.6958	58.1987	2.315	11.6968	58.1997	2.31489782	0.00018329	No
						Fahd2a	21.4923	81.7731	1.9278	21.4933	81.7741	1.92775697	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Faim3	11.125	4.07255	-1.44981	11.126	4.07355	-1.4495765	0.00035173	No
						FALZ	31.823	10.255	-1.63374	31.824	10.256	-1.633647	0.00197017	No
						Fam102a	42.82	9.8224	-2.12414	42.821	9.8234	-2.1240241	0.00018329	No
						Fam105a	125.58	14.6702	-3.09765	125.581	14.6712	-3.0975594	0.00018329	No
						Fam105b	94.1895	21.6783	-2.11931	94.1905	21.6793	-2.1192634	0.00018329	No
						Fam107b	91.8061	45.515	-1.01225	91.8071	45.516	-1.012232	0.00018329	No
						Fam110b	0.400785	5.81519	3.85892	0.401785	5.81619	3.85557879	0.00018329	No
						Fam111a	0.278519	1.56983	2.49476	0.279519	1.57083	2.4905088	0.00018329	No
						Fam114a1	0.049941	1.84193	5.20485	0.050941	1.84293	5.17703018	0.00051281	No
						Fam115a	0.0673425	6.12422	6.50686	0.0683425	6.12522	6.48583483	0.00018329	No
						Fam115c	9.99774	3.15035	-1.66609	9.99874	3.15135	-1.6657763	0.0016929	No
						Fam117a	133.57	16.5714	-3.01083	133.571	16.5724	-3.0107524	0.00018329	No
						Fam117b	23.6444	5.83005	-2.01992	23.6454	5.83105	-2.0197319	0.00018329	No
						Fam118a	10.2238	2.35288	-2.11943	10.2248	2.35388	-2.1189599	0.00018329	No
						FAM120C	0.444709	1.91246	2.1045	0.445709	1.91346	2.10200974	0.00018329	No
						Fam126a	3.82714	1.13353	-1.75545	3.82814	1.13453	-1.7545488	0.00018329	No
						Fam127b	53.687	111.508	1.05451	53.688	111.509	1.05448859	0.00066911	No
						Fam131c	0	3.40448	inf	0.001	3.40548	11.7336424	0.00018329	No
						Fam133b	29.1881	17.0389	-0.776544	29.1891	17.0399	-0.7765129	0.00543198	No
						Fam134b	10.342	17.173	0.731623	10.343	17.174	0.7315714	0.0109365	No
						Fam134c	62.5233	20.233	-1.62768	62.5243	20.234	-1.6276355	0.00018329	No
						Fam135a	0.0489783	6.24668	6.9948	0.0499783	6.24768	6.96587492	0.00018329	No
						Fam136a	6.32927	11.5408	0.866633	6.33027	11.5418	0.8665293	0.00788539	No
						Fam13a	0	6.69622	inf	0.001	6.69722	12.7093466	0.0104928	No
						Fam13b	35.8745	16.6495	-1.10748	35.8755	16.6505	-1.1074334	0.00018329	No
						Fam149a	0.0286521	19.959	9.44418	0.0296521	19.96	9.39476172	0.00082046	No
						Fam151a	0.388976	7.48715	4.26666	0.389976	7.48815	4.26315209	0.0203707	No
						Fam162a	95.8729	147.169	0.618282	95.8739	147.17	0.61827359	0.0475434	No
						Fam168b	61.989	26.4264	-1.23003	61.99	26.4274	-1.230001	0.00018329	No
						Fam169b	76.791	4.88448	-3.97466	76.792	4.88548	-3.9743838	0.00018329	No
						Fam171a1	0	19.0549	inf	0.001	19.0559	14.2179501	0.00018329	No
						Fam171a2	1.58894	11.1018	2.80466	1.58994	11.1028	2.80387933	0.00018329	No
						Fam172a	19.6552	10.4408	-0.912672	19.6562	10.4418	-0.912614	0.0213082	No
						Fam174b	0.169563	3.80823	4.48923	0.170563	3.80923	4.48112278	0.012344	No
						Fam175a	9.65902	5.00923	-0.94729	9.66002	5.01023	-0.9471493	0.0114728	No
						Fam175b	15.6638	9.8597	-0.667819	15.6648	9.8607	-0.6677644	0.0208908	No
						Fam178a	11.1596	4.57779	-1.28557	11.1606	4.57879	-1.2853763	0.00018329	No
						Fam179b	11.7251	6.98958	-0.746324	11.7261	6.99058	-0.7462392	0.0478786	No
						Fam184a	0.0358474	5.11615	7.15705	0.0368474	5.11715	7.11763389	0.0451903	No
						Fam185a	34.0964	11.1222	-1.61618	34.0974	11.1232	-1.6160898	0.00018329	No
						Fam188b	0.3346	1.9416	2.53674	0.3356	1.9426	2.53317425	0.00018329	No
						Fam189a2	0	4.86043	inf	0.001	4.86143	12.247165	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam195a	1.52054	49.2307	5.0169	1.52154	49.2317	5.01598339	0.00018329	No
						Fam195b	46.7141	81.8065	0.808357	46.7151	81.8075	0.80834416	0.00277264	No
						Fam198b	0.0567723	1.27076	4.48436	0.0577723	1.27176	4.4603047	0.00051281	No
						Fam19a1	0.865474	0	-inf	0.866474	0.001	-9.7590126	0.0168685	No
						Fam19a3	40.2249	13.1844	-1.60926	40.2259	13.1854	-1.6091834	0.00018329	No
						Fam203a	20.4989	11.6727	-0.812409	20.4999	11.6737	-0.812355	0.00530972	No
						Fam204a	5.19831	2.84353	-0.870359	5.19931	2.84453	-0.8701299	0.0133341	No
						Fam208a	35.1985	11.6067	-1.60055	35.1995	11.6077	-1.6004728	0.00018329	No
						Fam20b	9.42473	16.1229	0.774584	9.42573	16.1239	0.77452448	0.047797	No
						Fam20c	0.109719	82.4953	9.55436	0.110719	82.4963	9.54128279	0.00018329	No
						Fam213a	1.57673	9.52502	2.59478	1.57773	9.52602	2.59402324	0.00018329	No
						Fam213b	3.73902	27.3243	2.86945	3.74002	27.3253	2.86911944	0.00018329	No
						Fam214b	1.34079	11.1379	3.05431	1.34179	11.1389	3.05337597	0.00018329	No
						Fam216a	5.5457	21.0543	1.92467	5.5467	21.0553	1.92448183	0.00018329	No
						Fam221a	0.0975411	1.06664	3.45092	0.0985411	1.06764	3.43755588	0.00224282	No
						Fam229b	0.200136	4.65175	4.53872	0.201136	4.65275	4.53184044	0.0325782	No
						Fam26f	107.573	13.5548	-2.98844	107.574	13.5558	-2.9883473	0.00018329	No
						Fam3c	18.3057	31.6381	0.789368	18.3067	31.6391	0.78933681	0.0146209	No
						Fam46c	21.325	7.52239	-1.50328	21.326	7.52339	-1.5031586	0.00018329	No
						FAM49B	140.915	24.0531	-2.55053	140.916	24.0541	-2.5504807	0.00018329	No
						Fam53a	44.388	17.4706	-1.34524	44.389	17.4716	-1.3451905	0.0168685	No
						Fam53c	13.1044	7.80096	-0.748323	13.1054	7.80196	-0.7482529	0.00777671	No
						Fam60a	19.9394	10.3589	-0.944751	19.9404	10.3599	-0.9446843	0.00066911	No
						Fam63a	9.83248	34.7801	1.82264	9.83348	34.7811	1.82252959	0.00018329	No
						Fam65b	124.16	5.89306	-4.39704	124.161	5.89406	-4.3968065	0.00018329	No
						Fam71a	0	2.53626	inf	0.001	2.53726	11.3090556	0.00018329	No
						Fam71b	2.30097	0.221618	-3.3761	2.30197	0.222618	-3.3702269	0.0481525	No
						Fam73b	8.43482	19.9657	1.24309	8.43582	19.9667	1.24299569	0.00018329	No
						Fam76b	16.3539	6.59983	-1.30914	16.3549	6.60083	-1.3090036	0.00018329	No
						Fam78a	25.8256	3.25619	-2.98755	25.8266	3.25719	-2.9871579	0.00018329	No
						Fam81a	0.0517875	22.8007	8.78226	0.0527875	22.8017	8.75472933	0.00018329	No
						Fam83b	0	1.34747	inf	0.001	1.34847	10.3971077	0.00469886	No
						Fam83e	0.113953	19.6242	7.42806	0.114953	19.6252	7.41551943	0.030565	No
						Fam84b	30.0182	12.7375	-1.23675	30.0192	12.7385	-1.2366901	0.00018329	No
						Fam91a1	12.7823	20.5957	0.68819	12.7833	20.5967	0.68815289	0.0168685	No
						Fam92a1	13.2393	55.9347	2.07892	13.2403	55.9357	2.07883354	0.00018329	No
						Fam92b	0	0.866991	inf	0.001	0.867991	9.76153627	0.00018329	No
						Fam96b	35.4954	82.829	1.2225	35.4964	82.83	1.22248067	0.00018329	No
						Fan1	1.57023	3.17087	1.0139	1.57123	3.17187	1.01343926	0.0269158	No
						FanCb	4.67117	2.27997	-1.03477	4.67217	2.28097	-1.0344453	0.0237237	No
						Fancc	1.54124	3.7104	1.26749	1.54224	3.7114	1.26693621	0.0016929	No
						FanCg	3.42447	1.06224	-1.68876	3.42547	1.06324	-1.6878347	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fanci	1.39752	0.293698	-2.25047	1.39852	0.294698	-2.2465917	0.00066911	No
						Far1	13.6317	7.02652	-0.956079	13.6327	7.02752	-0.9559838	0.00342383	No
						Farp1	0.624648	24.4161	5.28865	0.625648	24.4171	5.28639685	0.00082046	No
						Fars2	11.3564	35.3222	1.63707	11.3574	35.3232	1.63698344	0.00051281	No
						Fastkd1	27.0453	15.785	-0.776823	27.0463	15.786	-0.7767856	0.0230128	No
						Fat2	0	0.768117	inf	0.001	0.769117	9.58705927	0.00018329	No
						Fau	5264.02	2641.76	-0.994669	5264.021	2641.761	-0.9946653	0.00458064	No
						Faxdc2	1.30528	11.5733	3.14837	1.30628	11.5743	3.14738887	0.0207821	No
						Fbf1	12.6676	27.1298	1.09873	12.6686	27.1308	1.09867449	0.00744054	No
						Fbl	157.583	85.3082	-0.885357	157.584	85.3092	-0.8853478	0.00097029	No
						Fblim1	0.145695	3.39909	4.54412	0.146695	3.40009	4.53468133	0.0194611	No
						Fbrs	38.0411	13.6522	-1.47843	38.0421	13.6532	-1.4783578	0.00018329	No
						Fbxl15	2.24769	8.62616	1.94028	2.24869	8.62716	1.93980092	0.00018329	No
						Fbxl20	18.2131	5.38348	-1.75837	18.2141	5.38448	-1.7581768	0.00018329	No
						Fbxl21	0.171167	0.907673	2.40677	0.172167	0.908673	2.39995257	0.0187317	No
						Fbxl22	76.8245	31.6585	-1.27897	76.8255	31.6595	-1.2789468	0.0434518	No
						Fbxl3	48.5379	20.8257	-1.22074	48.5389	20.8267	-1.2207072	0.0488781	No
						Fbxo11	23.4888	11.1178	-1.07911	23.4898	11.1188	-1.0790333	0.0016929	No
						Fbxo16	0	5.08256	inf	0.001	5.08356	12.3116235	0.00018329	No
						Fbxo21	5.37785	13.6273	1.34139	5.37885	13.6283	1.34123595	0.00018329	No
						Fbxo3	58.9653	30.9452	-0.930151	58.9663	30.9462	-0.9301284	0.0036827	No
						Fbxo32	4.22695	1.12575	-1.90873	4.22795	1.12675	-1.9077909	0.0066167	No
						Fbxo33	21.3498	6.0358	-1.82261	21.3508	6.0368	-1.8224342	0.00018329	No
						Fbxo34	10.0723	5.64528	-0.835274	10.0733	5.64628	-0.8351638	0.00709238	No
						Fbxo4	0.943962	7.89639	3.06439	0.944962	7.89739	3.06304772	0.00018329	No
						Fbxo44	25.278	74.3266	1.55599	25.279	74.3276	1.55595863	0.00018329	No
						Fbxo5	3.95665	1.9237	-1.04039	3.95765	1.9247	-1.0400104	0.00591487	No
						Fbxw2	42.0969	24.2484	-0.795823	42.0979	24.2494	-0.7957992	0.00210945	No
						Fbxw8	0.254408	8.82312	5.11607	0.255408	8.82412	5.11057679	0.00066911	No
						Fcamr	0	1.15009	inf	0.001	1.15109	10.1687849	0.00018329	No
						Fcer1g	28.6391	257.151	3.16656	28.6401	257.152	3.16651294	0.00018329	No
						Fcer2	2.37081	0.827678	-1.51824	2.37181	0.828678	-1.5171049	0.00777671	No
						Fcf1	151.245	102.733	-0.557981	151.246	102.734	-0.5579833	0.0462639	No
						Fcgr1a	0.536348	15.8478	4.88497	0.537348	15.8488	4.88237308	0.00018329	No
						FCGR2A	1.96913	26.5793	3.75468	1.97013	26.5803	3.75399465	0.00018329	No
						Fcgr2a	0.76933	8.11573	3.39905	0.77033	8.11673	3.39735011	0.0128946	No
						Fcgr2b	1.0502	5.47331	2.38175	1.0512	5.47431	2.38063995	0.0340896	No
						Fcgrt	6.88438	66.9568	3.28183	6.88538	66.9578	3.28164394	0.00018329	No
						Fcho1	63.9259	16.5147	-1.95265	63.9269	16.5157	-1.952585	0.00018329	No
						Fcho2	10.7497	20.4379	0.926952	10.7507	20.4389	0.92688695	0.00530972	No
						Fchsd2	22.1404	5.88184	-1.91234	22.1414	5.88284	-1.9121617	0.00018329	No
						Fcn1	0.216413	5.6768	4.71322	0.217413	5.6778	4.70682192	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fcnb	4.46705	14.3557	1.68422	4.46805	14.3567	1.68400694	0.00018329	No
						Fcrl2	0.0501468	2.4827	5.62961	0.0511468	2.4837	5.60170313	0.0264199	No
						Fdft1	7.36572	27.5755	1.90449	7.36672	27.5765	1.90434505	0.00018329	No
						Fdx1	13.5986	44.581	1.71297	13.5996	44.582	1.71289712	0.00018329	No
						Fech	4.43639	12.9342	1.54373	4.43739	12.9352	1.5435191	0.00018329	No
						Fem1b	19.1593	7.37696	-1.37695	19.1603	7.37796	-1.3768263	0.00018329	No
						Fem1c	5.45533	3.59252	-0.60267	5.45633	3.59352	-0.6025332	0.0378663	No
						Fermt3	127.296	49.0892	-1.37471	127.297	49.0902	-1.3746915	0.00290302	No
						Fert2	0.0640543	1.85191	4.85358	0.0650543	1.85291	4.83200458	0.0197773	No
						Fes	0.456802	9.64249	4.39977	0.457802	9.64349	4.39675968	0.00018329	No
						FEZ2	6.16785	27.9943	2.18229	6.16885	27.9953	2.18211117	0.00018329	No
						Fgd1	0.0362285	0.866403	4.57984	0.0372285	0.867403	4.54222304	0.0439935	No
						Fgd2	3.0591	9.32106	1.60739	3.0601	9.32206	1.60707	0.00018329	No
						Fgf1	0	25.333	inf	0.001	25.334	14.6287873	0.00018329	No
						Fgf12	0	3.34617	inf	0.001	3.34717	11.7087261	0.00018329	No
						Fgf13	0.470499	3.61106	2.94016	0.471499	3.61206	2.93749524	0.00018329	No
						Fgfbp3	0.627637	2.8274	2.17147	0.628637	2.8284	2.16968707	0.00035173	No
						Fgfr1	0.620595	24.2532	5.28838	0.621595	24.2542	5.28611589	0.00018329	No
						Fgfr1op	10.883	5.48215	-0.989257	10.884	5.48315	-0.989132	0.00251301	No
						Fgfr1op2	42.2449	25.2461	-0.742717	42.2459	25.2471	-0.7426937	0.0031651	No
						Fgfrl1	0.246441	6.60104	4.74338	0.247441	6.60204	4.73775541	0.00018329	No
						Fggy	4.68279	54.8279	3.54947	4.68379	54.8289	3.54918823	0.0031651	No
						Fgl2	70.924	8.49135	-3.06221	70.925	8.49235	-3.0620585	0.00018329	No
						Fh	13.929	111.268	2.99787	13.93	111.269	2.99778454	0.00018329	No
						Fhit	6.60072	16.2185	1.29694	6.60172	16.2195	1.29681549	0.00543198	No
						Fhl1	0.213214	4.03916	4.24368	0.214214	4.04016	4.23728775	0.00018329	No
						Fhod3	0	18.5211	inf	0.001	18.5221	14.1769601	0.00224282	No
						Fignl1	1.09304	0.424289	-1.36522	1.09404	0.425289	-1.36315	0.0219099	No
						Fitm2	1.10305	3.34423	1.60017	1.10405	3.34523	1.5992999	0.00018329	No
						Fjx1	0	7.19377	inf	0.001	7.19477	12.8127329	0.00018329	No
						Fkbp10	0.575051	3.25567	2.50119	0.576051	3.25667	2.49912909	0.00018329	No
						Fkbp14	15.823	6.20634	-1.35021	15.824	6.20734	-1.3500673	0.00035173	No
						Fkbp2	32.6391	139.594	2.09656	32.6401	139.595	2.09652989	0.00018329	No
						Fkbp5	26.496	12.9728	-1.03028	26.497	12.9738	-1.0302279	0.00018329	No
						Fkbp7	1.56928	4.34244	1.4684	1.57028	4.34344	1.46781628	0.0184137	No
						Flna	139.447	36.3388	-1.94014	139.448	36.3398	-1.9401049	0.00018329	No
						Flrt1	0.00207198	7.07449	11.7374	0.00307198	7.07549	11.1694455	0.0272082	No
						Flt3	0.0768114	0.880145	3.51835	0.0778114	0.881145	3.501326	0.00290302	No
						Flt3l	28.9453	16.8846	-0.777621	28.9463	16.8856	-0.7775855	0.033435	No
						Flvcr2	2.37224	21.8936	3.20619	2.37324	21.8946	3.20564518	0.00579773	No
						Flywch1	16.306	41.2029	1.33734	16.307	41.2039	1.3372895	0.00082046	No
						Flywch2	0	11.953	inf	0.001	11.954	13.5452058	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fmn1	230.76	60.9526	-1.92063	230.761	60.9536	-1.9206161	0.00018329	No
						Fmn2	0.509105	4.08054	3.00273	0.510105	4.08154	3.00024745	0.00018329	No
						Fmn3	28.8095	15.4238	-0.901383	28.8105	15.4248	-0.9013429	0.0368491	No
						Fmo1	0	30.6782	inf	0.001	30.6792	14.9049732	0.00018329	No
						Fmo2	0	3.2253	inf	0.001	3.2263	11.6556649	0.00018329	No
						Fmo3	0	34.3756	inf	0.001	34.3766	15.0691392	0.00018329	No
						Fmo4	0.541133	19.0142	5.13495	0.542133	19.0152	5.13236248	0.00018329	No
						FMR1	32.8231	10.208	-1.68501	32.8241	10.209	-1.6849139	0.00018329	No
						Fnbp1	72.4952	18.2902	-1.98682	72.4962	18.2912	-1.9867556	0.00018329	No
						Fnbp4	105.446	33.7874	-1.64194	105.447	33.7884	-1.6419181	0.00018329	No
						Fndc3b	0.127637	10.3017	6.3347	0.128637	10.3027	6.32357299	0.00018329	No
						Fnip1	12.6791	2.84897	-2.15394	12.6801	2.84997	-2.1535475	0.00018329	No
						Fnip2	1.20759	9.89445	3.03449	1.20859	9.89545	3.03344041	0.00018329	No
						Fntb	20.5641	4.01059	-2.35824	20.5651	4.01159	-2.357952	0.00018329	No
						Folh1	0	1.86988	inf	0.001	1.87088	10.8695013	0.00018329	No
						FOLR2	0.327933	204.257	9.28277	0.328933	204.258	9.27838312	0.00018329	No
						Fos	4.29891	358.874	6.38336	4.29991	358.875	6.38303115	0.00018329	No
						Fosb	0.744321	96.1807	7.01368	0.745321	96.1817	7.01175671	0.00018329	No
						Fosl2	1.47938	15.5369	3.39264	1.48038	15.5379	3.39175208	0.00082046	No
						Foxa1	0	0.894613	inf	0.001	0.895613	9.80673166	0.00018329	No
						Foxh1	1.25316	6.13575	2.29167	1.25416	6.13675	2.2907534	0.017174	No
						Foxj2	19.3056	11.9054	-0.69741	19.3066	11.9064	-0.6973569	0.0283795	No
						Foxk1	15.1865	3.68304	-2.04382	15.1875	3.68404	-2.0435238	0.00018329	No
						Foxm1	0.8335	1.81362	1.12162	0.8345	1.81462	1.12068351	0.0178968	No
						Foxn2	26.3776	6.36143	-2.05189	26.3786	6.36243	-2.0517182	0.00018329	No
						Foxn3	28.0246	7.13612	-1.97348	28.0256	7.13712	-1.9733313	0.00018329	No
						Foxo1	48.496	4.8512	-3.32145	48.497	4.8522	-3.3211846	0.00018329	No
						Foxp1	41.8583	7.98191	-2.39071	41.8593	7.98291	-2.3905615	0.00018329	No
						Fpgs	4.95262	30.5814	2.62639	4.95362	30.5824	2.62614652	0.00018329	No
						Fras1	0	2.81963	inf	0.001	2.82063	11.4618017	0.00018329	No
						Frat2	59.7131	13.2219	-2.17512	59.7141	13.2229	-2.175033	0.00018329	No
						Frem1	0	3.88153	inf	0.001	3.88253	11.9227814	0.00018329	No
						Frem2	0	1.29062	inf	0.001	1.29162	10.334966	0.00018329	No
						Frg1	97.3649	56.1766	-0.793432	97.3659	56.1776	-0.7934216	0.00627425	No
						Frg11	19.5544	10.4966	-0.897569	19.5554	10.4976	-0.8975075	0.0219099	No
						Frk	0	3.23233	inf	0.001	3.23333	11.658805	0.00018329	No
						Frmd4a	0.378657	4.86403	3.68319	0.379657	4.86503	3.67968019	0.0459285	No
						Frmd4b	2.0983	24.3404	3.53606	2.0993	24.3414	3.53543189	0.00018329	No
						Frmd8	15.7467	23.8428	0.598506	15.7477	23.8438	0.59847304	0.0369285	No
						Frs2	5.24658	3.06781	-0.774166	5.24758	3.06881	-0.7739729	0.00822601	No
						Frs3	1.43731	5.62477	1.96843	1.43831	5.62577	1.96767592	0.00018329	No
						Fst	0.35347	230.319	9.34783	0.35447	230.32	9.34376045	0.00035173	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ftcd	2.22813	7.5712	1.76468	2.22913	7.5722	1.76423176	0.0173814	No
						Fth1	862.43	4228.24	2.29358	862.431	4228.241	2.29357667	0.00018329	No
						Ftl	26.1767	118.126	2.17397	26.1777	118.127	2.1739285	0.00018329	No
						Ftsj3	38.9249	16.9563	-1.19888	38.9259	16.9573	-1.1988239	0.0104928	No
						Fubp1	38.8334	20.1916	-0.94354	38.8344	20.1926	-0.9435085	0.0190448	No
						Fuca1	48.4602	83.8821	0.791561	48.4612	83.8831	0.79155005	0.0026435	No
						Fuca2	1.0272	23.9855	4.54537	1.0282	23.9865	4.54402984	0.00018329	No
						Fundc1	42.4852	15.4003	-1.464	42.4862	15.4013	-1.4639422	0.00018329	No
						Fuom	2.20328	10.8302	2.29733	2.20428	10.8312	2.29681369	0.00018329	No
						Fut8	17.3007	10.7675	-0.684148	17.3017	10.7685	-0.6840965	0.0202696	No
						Fuz	1.88506	8.00169	2.0857	1.88606	8.00269	2.08510945	0.0365736	No
						Fv1	28.4633	16.3324	-0.801363	28.4643	16.3334	-0.8013285	0.0289411	No
						Fxyd4	0.0655101	18.5291	8.14386	0.0665101	18.5301	8.12208151	0.0428533	No
						Fxyd6	0	3.69319	inf	0.001	3.69419	11.8510424	0.00018329	No
						Fyb	141.77	9.523	-3.89599	141.771	9.524	-3.895851	0.00018329	No
						Fyco1	22.3029	11.8318	-0.91456	22.3039	11.8328	-0.9145045	0.0158179	No
						Fyn	110.107	19.3448	-2.50888	110.108	19.3458	-2.508827	0.00018329	No
						Fytd1	31.6703	14.1271	-1.16466	31.6713	14.1281	-1.1646086	0.00018329	No
						Fzd1	0	11.0114	inf	0.001	11.0124	13.4268413	0.00018329	No
						Fzd3	0.0677874	1.26703	4.22429	0.0687874	1.26803	4.20430074	0.00914594	No
						Fzd4	0	31.7123	inf	0.001	31.7133	14.9528004	0.00018329	No
						Fzd8	0.158939	1.84154	3.53437	0.159939	1.84254	3.52610226	0.00018329	No
						G0s2	1.24753	58.5101	5.55154	1.24853	58.5111	5.55040795	0.00018329	No
						G2E3	6.44903	1.87532	-1.78195	6.45003	1.87632	-1.7814	0.00018329	No
						G3bp1	85.1865	54.0143	-0.657283	85.1875	54.0153	-0.6572736	0.0249303	No
						G3bp2	30.9955	19.6223	-0.659561	30.9965	19.6233	-0.6595376	0.0328513	No
						G6pc3	23.2379	44.7521	0.945478	23.2389	44.7531	0.94544584	0.00035173	No
						Gaa	2.54404	16.5368	2.70049	2.54504	16.5378	2.70000709	0.00018329	No
						Gab1	0.0934876	8.76165	6.55028	0.0944876	8.76265	6.53509841	0.00018329	No
						Gab2	0.940646	2.51611	1.41947	0.941646	2.51711	1.41851156	0.00555427	No
						Gabarapl1	28.4548	186.163	2.70982	28.4558	186.164	2.70977947	0.00018329	No
						Gabbr1	53.2827	17.1039	-1.63934	53.2837	17.1049	-1.6392846	0.00018329	No
						Gabpb1	22.8246	9.74114	-1.22843	22.8256	9.74214	-1.2283422	0.00018329	No
						Gabpb1l	5.62272	1.97234	-1.51136	5.62372	1.97334	-1.5108852	0.00140841	No
						Gabpb2	11.0796	5.03592	-1.13757	11.0806	5.03692	-1.1374223	0.0111567	No
						Gabrp	0	10.9444	inf	0.001	10.9454	13.4180371	0.00018329	No
						Gadd45a	37.4669	181.238	2.2742	37.4679	181.239	2.27416641	0.00018329	No
						Gadd45g	1.71787	298.197	7.4395	1.71887	298.198	7.43866633	0.00018329	No
						Galc	2.91812	8.06208	1.46611	2.91912	8.06308	1.46579752	0.00018329	No
						Galk1	16.9286	39.2963	1.21493	16.9296	39.2973	1.21488231	0.0414627	No
						Galm	11.7758	74.9872	2.67082	11.7768	74.9882	2.67071601	0.00018329	No
						Galnt1	42.4826	16.8165	-1.33699	42.4836	16.8175	-1.3369428	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Galnt10	18.9163	7.61346	-1.31301	18.9173	7.61446	-1.3128926	0.0142025	No
						Galnt12	9.81289	3.32887	-1.55964	9.81389	3.32987	-1.5593592	0.00018329	No
						Galnt13	0	10.3977	inf	0.001	10.3987	13.3441156	0.00035173	No
						Galnt18	0	79.8982	inf	0.001	79.8992	16.2858934	0.00018329	No
						Galnt3	0.12589	4.64261	5.2047	0.12689	4.64361	5.19359653	0.00035173	No
						Galnt6	31.3387	6.98808	-2.16498	31.3397	6.98908	-2.1648169	0.00018329	No
						Galnt7	7.21071	3.61473	-0.996253	7.21171	3.61573	-0.9960544	0.0018326	No
						Galt	25.9934	73.6697	1.50292	25.9944	73.6707	1.5028901	0.00018329	No
						Gamt	8.63163	52.2561	2.59789	8.63263	52.2571	2.597755	0.00018329	No
						Gan	2.3532	1.19795	-0.974048	2.3542	1.19895	-0.9734654	0.00035173	No
						Ganc	9.3924	4.4983	-1.06211	9.3934	4.4993	-1.0619469	0.0320963	No
						Garnl3	6.64876	1.89628	-1.80992	6.64976	1.89728	-1.8093697	0.00018329	No
						Gart	33.9715	13.8653	-1.29285	33.9725	13.8663	-1.2927845	0.00018329	No
						Gas1	0	4.98825	inf	0.001	4.98925	12.2846072	0.00018329	No
						Gas2	0.176747	2.33584	3.72418	0.177747	2.33684	3.71666184	0.00018329	No
						Gas7	0.936201	1.64095	0.809639	0.937201	1.64195	0.8089798	0.0264199	No
						Gatad2a	28.4187	15.2142	-0.90142	28.4197	15.2152	-0.901378	0.00066911	No
						Gatad2b	59.9354	16.3968	-1.86999	59.9364	16.3978	-1.8699302	0.00018329	No
						Gatm	0.100815	345.764	11.7439	0.101815	345.765	11.729626	0.00035173	No
						Gatsl2	2.1662	0.640097	-1.7588	2.1672	0.641097	-1.7572177	0.00018329	No
						Gba3	0	19.1509	inf	0.001	19.1519	14.2251999	0.00018329	No
						Gbas	41.5299	95.653	1.20366	41.5309	95.654	1.20364016	0.00018329	No
						Gbp2	29.6455	15.6124	-0.925119	29.6465	15.6134	-0.9250771	0.00066911	No
						Gbp5	33.9733	6.74015	-2.33355	33.9743	6.74115	-2.3333772	0.00018329	No
						Gbp7	76.9867	10.6139	-2.85865	76.9877	10.6149	-2.8585372	0.00018329	No
						Gc	0	5.94151	inf	0.001	5.94251	12.5368567	0.00018329	No
						Gca	0.631498	25.261	5.32199	0.632498	25.262	5.31976413	0.00018329	No
						Gcat	0.540553	13.2776	4.61842	0.541553	13.2786	4.6158567	0.00018329	No
						Gcdh	13.0602	76.161	2.54387	13.0612	76.162	2.54378391	0.00018329	No
						Gcfc2	7.63904	3.96342	-0.946647	7.64004	3.96442	-0.9464704	0.00698138	No
						Gch1	0.365459	2.07169	2.50303	0.366459	2.07269	2.49978066	0.0107084	No
						Gchfr	0.32849	30.3512	6.52976	0.32949	30.3522	6.5254226	0.00126492	No
						Gclc	10.8843	117.1	3.42743	10.8853	117.101	3.42730032	0.00018329	No
						Gclm	10.1953	89.6158	3.13584	10.1963	89.6168	3.13572349	0.00018329	No
						Gcm1	0	0.956586	inf	0.001	0.957586	9.90325825	0.00018329	No
						Gcsh	8.77823	95.2407	3.43958	8.77923	95.2417	3.43942706	0.00018329	No
						Gde1	23.8169	64.9661	1.4477	23.8179	64.9671	1.44766309	0.00018329	No
						Gdi1	240.764	107.977	-1.1569	240.765	107.978	-1.1568883	0.00018329	No
						Gdpd1	2.96285	6.98982	1.23827	2.96385	6.99082	1.23798925	0.00097029	No
						Gdpd5	0.194863	3.23166	4.05174	0.195863	3.23266	4.04480499	0.00018329	No
						Gem	1.56755	6.30085	2.00703	1.56855	6.30185	2.0063439	0.00018329	No
						Gemin2	25.9518	12.6683	-1.03461	25.9528	12.6693	-1.0345534	0.00140841	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gemin8	9.11029	14.891	0.708868	9.11129	14.892	0.70881029	0.0375863	No
						Gfm1	13.8594	32.5427	1.23147	13.8604	32.5437	1.23140939	0.00018329	No
						Gfod2	0.950083	3.34862	1.81744	0.951083	3.34962	1.81635428	0.00591487	No
						Gfra1	0	1.27818	inf	0.001	1.27918	10.3210036	0.00018329	No
						Gfra2	0.0110814	0.808068	6.18826	0.0120814	0.809068	6.06540141	0.0243241	No
						Gfra3	80.7598	50.25	-0.684515	80.7608	50.251	-0.6845029	0.00755425	No
						Gfra4	0	1.70441	inf	0.001	1.70541	10.7359029	0.00018329	No
						Gga2	20.3011	34.2486	0.754488	20.3021	34.2496	0.75445817	0.00709238	No
						Gga3	21.2498	12.2958	-0.789283	21.2508	12.2968	-0.7892342	0.0296252	No
						Ggact	24.1661	81.0033	1.74499	24.1671	81.0043	1.74495413	0.00018329	No
						Ggct	27.9946	231.112	3.04538	27.9956	231.113	3.04532641	0.00018329	No
						Ggcx	4.27904	15.0018	1.80978	4.28004	15.0028	1.80953559	0.00018329	No
						Ggh	3.14266	22.3416	2.82968	3.14366	22.3426	2.82927998	0.00018329	No
						GGNBP2	58.1663	27.2706	-1.09284	58.1673	27.2716	-1.092809	0.00018329	No
						Ggps1	12.362	4.92146	-1.32875	12.363	4.92246	-1.3285775	0.00018329	No
						Ggt1	2.57188	84.2587	5.03393	2.57288	84.2597	5.0333867	0.00018329	No
						Ggt6	0	2.09882	inf	0.001	2.09982	11.0360499	0.00018329	No
						Ghdc	1.61716	4.63116	1.51792	1.61816	4.63216	1.51733082	0.00035173	No
						Ghrhr	0	11.9739	inf	0.001	11.9749	13.547726	0.00018329	No
						Gimap1	96.6879	20.346	-2.24859	96.6889	20.347	-2.2485342	0.00018329	No
						Gimap4	233.684	39.8037	-2.55358	233.685	39.8047	-2.5535544	0.00018329	No
						GIMAP5	196.182	27.2223	-2.84933	196.183	27.2233	-2.8492862	0.00018329	No
						Gimap6	157.849	15.3568	-3.3616	157.85	15.3578	-3.3615108	0.00018329	No
						Gimap7	572.002	65.1523	-3.13413	572.003	65.1533	-3.1341126	0.00018329	No
						Gimap8	82.4684	7.78349	-3.40535	82.4694	7.78449	-3.4051845	0.00018329	No
						Gimap9	109.405	7.89102	-3.79333	109.406	7.89202	-3.7931534	0.00018329	No
						Ginm1	20.4333	37.6999	0.883637	20.4343	37.7009	0.88360614	0.00154856	No
						Giot1	9.15253	3.27648	-1.48203	9.15353	3.27748	-1.4817412	0.00051281	No
						Gipc2	0.206509	11.6525	5.81829	0.207509	11.6535	5.8114456	0.00210945	No
						Gipr	0.742592	0.285431	-1.37943	0.743592	0.286431	-1.3763236	0.0366633	No
						Git1	19.7848	31.0322	0.649374	19.7858	31.0332	0.64934707	0.0149499	No
						Git2	105.196	46.6822	-1.17213	105.197	46.6832	-1.1721182	0.00018329	No
						Gja1	0.110261	2.90924	4.72164	0.111261	2.91024	4.70911825	0.00018329	No
						Gja4	0	3.83292	inf	0.001	3.83392	11.9046045	0.00018329	No
						Gjb2	0.18328	6.95959	5.24688	0.18428	6.96059	5.23923819	0.00018329	No
						Gjb4	0	1.09323	inf	0.001	1.09423	10.0957003	0.00018329	No
						Gjb5	0	1.69621	inf	0.001	1.69721	10.7289494	0.00018329	No
						Gjb6	0	1.31056	inf	0.001	1.31156	10.3570681	0.00018329	No
						Gk	2.41742	11.9888	2.31015	2.41842	11.9898	2.30967087	0.00018329	No
						Gkap1	8.61421	30.9992	1.84744	8.61521	31.0002	1.84731965	0.00018329	No
						Glb1	37.7457	87.3325	1.21021	37.7467	87.3335	1.21018464	0.010379	No
						Glb1l	0.797248	6.62057	3.05385	0.798248	6.62157	3.05226439	0.00788539	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Glb1l2	0	10.1359	inf	0.001	10.1369	13.3073289	0.00018329	No
						Glcc1	28.856	8.75249	-1.72111	28.857	8.75349	-1.7209911	0.00018329	No
						Glce	11.5756	3.82272	-1.59842	11.5766	3.82372	-1.5981628	0.00018329	No
						Gle1	44.2665	19.2929	-1.19814	44.2675	19.2939	-1.1981031	0.0127876	No
						Glg1	11.94	6.33774	-0.913766	11.941	6.33874	-0.9136557	0.00238141	No
						Glpr1	198.411	25.4654	-2.96189	198.412	25.4664	-2.9618323	0.00018329	No
						Glis3	0	7.79985	inf	0.001	7.80085	12.9294156	0.00018329	No
						Glo1	147.622	85.1006	-0.794661	147.623	85.1016	-0.7946594	0.00251301	No
						Glrx	72.1316	32.9437	-1.13063	72.1326	32.9447	-1.130605	0.00018329	No
						Glrx5	43.2678	119.09	1.46068	43.2688	119.091	1.46066537	0.00018329	No
						Gls	35.4245	85.9942	1.27949	35.4255	85.9952	1.27946792	0.00018329	No
						Gls2	0.343547	2.46912	2.84542	0.344547	2.47012	2.84180843	0.00018329	No
						Gltscr1	21.8805	10.449	-1.06628	21.8815	10.45	-1.0662087	0.00035173	No
						Gltscr2	241.373	156.944	-0.621012	241.374	156.945	-0.6210112	0.0213082	No
						Glyat	0	114.836	inf	0.001	114.837	16.809228	0.00018329	No
						Glyat12	0	10.4954	inf	0.001	10.4964	13.357607	0.00018329	No
						Glyctk	1.51479	18.3304	3.59705	1.51579	18.3314	3.59617517	0.00018329	No
						Glyr1	65.1154	132.091	1.02046	65.1164	132.092	1.02045025	0.00066911	No
						Gm101	0	1.41911	inf	0.001	1.42011	10.471787	0.00777671	No
						Gm1043	1.70383	0.147119	-3.53372	1.70483	0.148119	-3.5247993	0.0473671	No
						Gm11992	6.9812	15.4368	1.14482	6.9822	15.4378	1.14471359	0.00097029	No
						Gm12253	0.756731	6.45562	3.0927	0.757731	6.45662	3.09102144	0.00018329	No
						Gm14378	36.578	12.6886	-1.52745	36.579	12.6896	-1.527369	0.00018329	No
						Gm166	0.102374	3.31962	5.0191	0.103374	3.32062	5.00550736	0.00469886	No
						Gm17615	2.22548	34.0578	3.9358	2.22648	34.0588	3.93519105	0.00018329	No
						Gm6377	0.127639	0.88547	2.79438	0.128639	0.88647	2.78474371	0.00567465	No
						Gmids	8.69207	16.8219	0.952567	8.69307	16.8229	0.95248876	0.0200787	No
						Gmeb2	8.57101	3.19546	-1.42344	8.57201	3.19646	-1.4231585	0.00018329	No
						Gmfb	36.1799	23.2586	-0.637422	36.1809	23.2596	-0.637402	0.0194611	No
						Gmfg	1019.69	272.681	-1.90285	1019.691	272.682	-1.9028407	0.00018329	No
						Gmnn	4.275	16.0658	1.91	4.276	16.0668	1.90974886	0.00018329	No
						Gmppa	19.6153	35.3242	0.848682	19.6163	35.3252	0.84864478	0.00543198	No
						Gmpr	0.440868	26.2265	5.89454	0.441868	26.2275	5.89132103	0.00018329	No
						Gna12	3.13539	31.8179	3.34312	3.13639	31.8189	3.34270709	0.00018329	No
						Gna13	36.9026	15.1046	-1.28873	36.9036	15.1056	-1.2886781	0.00018329	No
						Gna14	0.144468	3.01345	4.38259	0.145468	3.01445	4.37312107	0.00018329	No
						Gnai1	0.595551	21.0457	5.14315	0.596551	21.0467	5.14080475	0.00018329	No
						Gnai2	408.869	160.184	-1.35191	408.87	160.185	-1.3519032	0.00018329	No
						Gnai3	75.0469	31.2747	-1.2628	75.0479	31.2757	-1.2627695	0.00018329	No
						Gnat3	0	2.10549	inf	0.001	2.10649	11.0406254	0.00018329	No
						Gnb2l1	3070.67	763.342	-2.00815	3070.671	763.343	-2.0081506	0.00018329	No
						Gng10	27.6141	56.1301	1.02337	27.6151	56.1311	1.02334298	0.00051281	No

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						Gng12	28.212	119.154	2.07844	28.213	119.155	2.0784075	0.0178968	No
						Gng2	34.4902	6.08235	-2.50349	34.4912	6.08335	-2.5032904	0.00018329	No
						Gng5	40.6421	67.2483	0.726524	40.6431	67.2493	0.7265088	0.0274788	No
						Gnl1	42.7684	29.0446	-0.558274	42.7694	29.0456	-0.5582593	0.0367562	No
						Gnl3	56.1306	21.6408	-1.37503	56.1316	21.6418	-1.3749927	0.00481718	No
						Gnl3l	34.817	20.891	-0.73691	34.818	20.892	-0.7368827	0.0113722	No
						Gnpda1	14.9141	26.7039	0.840377	14.9151	26.7049	0.84033083	0.00277264	No
						Gnpda2	23.3277	6.81988	-1.77423	23.3287	6.82088	-1.7740761	0.00082046	No
						Golga2	10.9415	16.1438	0.561166	10.9425	16.1448	0.56112719	0.0430274	No
						Golgb1	9.30681	56.225	2.59485	9.30781	56.226	2.59472375	0.00018329	No
						Golim4	7.91163	12.7958	0.693628	7.91263	12.7968	0.69355389	0.0215079	No
						Golt1a	0	10.1456	inf	0.001	10.1466	13.3087088	0.00018329	No
						Gopc	15.9185	9.88364	-0.687589	15.9195	9.88464	-0.6875347	0.00981659	No
						Gorasp1	0.707026	13.0297	4.20389	0.708026	13.0307	4.20196844	0.00018329	No
						Got1	26.756	90.1763	1.75289	26.757	90.1773	1.75284795	0.00018329	No
						Got2	57.1472	117.212	1.03636	57.1482	117.213	1.03635262	0.00018329	No
						Gp2	0	24.3496	inf	0.001	24.3506	14.5716697	0.00018329	No
						Gpam	0.656146	7.71107	3.55484	0.657146	7.71207	3.55283231	0.00018329	No
						Gpatch4	12.6878	6.96179	-0.865917	12.6888	6.96279	-0.8658182	0.0252382	No
						Gpatch8	13.7961	6.25303	-1.14163	13.7971	6.25403	-1.141507	0.00082046	No
						Gbbp1	67.4523	32.4574	-1.05532	67.4533	32.4584	-1.0552971	0.00066911	No
						GPBP1L1	60.397	29.4055	-1.03839	60.398	29.4065	-1.0383657	0.00018329	No
						Gpc4	0	57.6604	inf	0.001	57.6614	15.8153182	0.00018329	No
						Gpcpd1	41.8388	11.1471	-1.90818	41.8398	11.1481	-1.9080781	0.00018329	No
						Gpd1l	9.1029	31.1377	1.77427	9.1039	31.1387	1.7741521	0.00018329	No
						GPD2	2.89148	6.94831	1.26485	2.89248	6.94931	1.26456276	0.0287615	No
						Gphn	1.4379	11.1716	2.95779	1.4389	11.1726	2.95692672	0.00018329	No
						Gpkow	14.8459	8.45132	-0.812817	14.8469	8.45232	-0.8127424	0.00354878	No
						Gpld1	0.752945	3.96086	2.3952	0.753945	3.96186	2.39364671	0.0016929	No
						Gpm6a	0	9.96692	inf	0.001	9.96792	13.2830768	0.00018329	No
						Gpn3	28.3161	17.0166	-0.734684	28.3171	17.0176	-0.7346459	0.0371206	No
						Gpnmb	0.111829	50.5125	8.8192	0.112829	50.5135	8.80638727	0.00035173	No
						Gpr116	0	7.80943	inf	0.001	7.81043	12.9311863	0.00018329	No
						Gpr124	0.0362317	0.823951	4.50723	0.0372317	0.824951	4.46970503	0.0114728	No
						Gpr125	0.3478	19.8219	5.83269	0.3488	19.8229	5.82862419	0.00018329	No
						Gpr132	29.8273	6.85007	-2.12244	29.8283	6.85107	-2.1222805	0.00018329	No
						Gpr133	1.40669	0.384006	-1.8731	1.40769	0.385006	-1.8703768	0.00051281	No
						Gpr137b	0.123579	15.4454	6.96561	0.124579	15.4464	6.95406593	0.00051281	No
						Gpr15	4.1671	1.01893	-2.032	4.1681	1.01993	-2.0309198	0.00018329	No
						Gpr155	6.87559	0.532671	-3.69017	6.87659	0.533671	-3.6876708	0.00018329	No
						Gpr162	0.0412434	5.14958	6.96415	0.0422434	5.15058	6.92986514	0.0317975	No
						Gpr171	38.4957	11.9105	-1.69246	38.4967	11.9115	-1.6923797	0.00018329	No

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						Gpr174	13.8286	1.7157	-3.01079	13.8296	1.7167	-3.0100496	0.00018329	No
						Gpr19	4.40226	0.936579	-2.23277	4.40326	0.937579	-2.2315599	0.00018329	No
						Gpr4	0	1.23714	inf	0.001	1.23814	10.2739587	0.00018329	No
						Gpr56	0.110178	107.562	9.93112	0.111178	107.563	9.91809485	0.00018329	No
						Gpr68	25.2543	2.32399	-3.44185	25.2553	2.32499	-3.4412898	0.00018329	No
						Gprc5c	0	84.5138	inf	0.001	84.5148	16.3669164	0.00018329	No
						Gprin3	3.78195	0.258664	-3.86998	3.78295	0.259664	-3.8647938	0.00018329	No
						Gpsm2	0.489484	1.47133	1.58778	0.490484	1.47233	1.58582309	0.00603614	No
						Gpt	1.12455	8.34987	2.89241	1.12555	8.35087	2.89129636	0.00018329	No
						Gpx1	162.65	574.261	1.81994	162.651	574.262	1.81992941	0.00018329	No
						GPX4	140.283	340.652	1.27995	140.284	340.653	1.27995244	0.00018329	No
						Gpx7	0.0992649	3.82548	5.26821	0.1002649	3.82648	5.25412931	0.0350203	No
						Gpx8	0	36.4458	inf	0.001	36.4468	15.1535045	0.00018329	No
						Gramd1a	228.683	74.8884	-1.61053	228.684	74.8894	-1.610522	0.00018329	No
						Gramd1c	0.10246	0.785303	2.93819	0.10346	0.786303	2.92601226	0.0169745	No
						Gramd3	0.159688	8.67505	5.76355	0.160688	8.67605	5.75470427	0.00018329	No
						Gramd4	46.1408	15.2229	-1.5998	46.1418	15.2239	-1.5997363	0.00018329	No
						Grap	144.629	28.1487	-2.36122	144.63	28.1497	-2.3611754	0.00018329	No
						Grb14	0.444825	1.98252	2.15603	0.445825	1.98352	2.15351352	0.00035173	No
						Grb7	0.397393	28.4844	6.16346	0.398393	28.4854	6.15988656	0.00018329	No
						Grhl1	1.40573	0.695995	-1.01417	1.40673	0.696995	-1.0131252	0.0317095	No
						Grhl3	0.634592	4.52604	2.83435	0.635592	4.52704	2.83239518	0.00018329	No
						Grhpr	7.8203	181.901	4.53979	7.8213	181.902	4.53960917	0.00018329	No
						Gria3	4.67268	0.187795	-4.63702	4.67368	0.188795	-4.6296665	0.00018329	No
						Grik2	0	8.28435	inf	0.001	8.28535	13.0163469	0.00018329	No
						Grina	97.7117	162.678	0.73542	97.7127	162.679	0.73541004	0.00458064	No
						Gripap1	29.5911	19.5356	-0.599058	29.5921	19.5366	-0.5990327	0.0475434	No
						Grk6	259.78	43.4067	-2.5813	259.781	43.4077	-2.581273	0.00018329	No
						Grn	27.4132	152.773	2.47845	27.4142	152.774	2.47840376	0.00018329	No
						Grpel1	30.1642	52.6016	0.80227	30.1652	52.6026	0.80224896	0.00445502	No
						Grtp1	0.0200972	22.8217	10.1492	0.0210972	22.8227	10.0792022	0.00018329	No
						Gsdma	2.76841	5.97073	1.10885	2.76941	5.97173	1.10857028	0.00197017	No
						Gsdmd	24.8685	7.58507	-1.71309	24.8695	7.58607	-1.7129529	0.00018329	No
						Gsg2	27.4162	2.44368	-3.4879	27.4172	2.44468	-3.4873637	0.00732142	No
						Gsk3a	63.7085	30.4083	-1.06702	63.7095	30.4093	-1.0669959	0.00035173	No
						Gsn	33.8764	93.2843	1.46135	33.8774	93.2853	1.4613266	0.00018329	No
						GSPT1	66.8552	38.7728	-0.785994	66.8562	38.7738	-0.7859792	0.0200787	No
						Gsr	23.3266	105.14	2.17226	23.3276	105.141	2.17221557	0.00018329	No
						Gss	8.23269	63.9732	2.95803	8.23369	63.9742	2.95787916	0.00018329	No
						GSTA1	0.031565	65.1711	11.0117	0.032565	65.1721	10.9667165	0.00777671	No
						Gsta2	0	35.0682	inf	0.001	35.0692	15.0979169	0.00018329	No
						Gsta3	0	66.5593	inf	0.001	66.5603	16.0223743	0.0152837	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						GSTA6	7.53825	18.0268	1.25784	7.53925	18.0278	1.25773043	0.00140841	No
						Gstk1	2.63646	36.093	3.77505	2.63746	36.094	3.77453792	0.00018329	No
						Gstm7	0.686941	18.0282	4.71392	0.687941	18.0292	4.71190673	0.00018329	No
						Gsto1	186.02	111.301	-0.740997	186.021	111.302	-0.740986	0.00603614	No
						GSTT2	15.6693	27.2618	0.798944	15.6703	27.2628	0.79890094	0.0121287	No
						Gtf2e1	7.56975	3.86254	-0.970696	7.57075	3.86354	-0.9705129	0.00354878	No
						Gtf2f1	31.6314	63.2558	0.99984	31.6324	63.2568	0.99981756	0.00111812	No
						Gtf2f2	17.4529	9.76699	-0.83748	17.4539	9.76799	-0.8374158	0.0120339	No
						Gtf2h1	23.6507	11.4778	-1.04304	23.6517	11.4788	-1.0429721	0.00018329	No
						Gtf2h3	15.909	9.84352	-0.692601	15.91	9.84452	-0.6925411	0.0257522	No
						Gtf2h5	19.7906	40.6112	1.03706	19.7916	40.6122	1.03702493	0.00126492	No
						Gtf2i	148.55	80.2711	-0.887995	148.551	80.2721	-0.8879878	0.0162458	No
						Gtf2ird1	5.07063	12.0238	1.24566	5.07163	12.0248	1.2454915	0.00210945	No
						GTF2IRD2	8.29443	3.33036	-1.31646	8.29543	3.33136	-1.3162055	0.00111812	No
						Gtf3c1	22.8337	13.1053	-0.801015	22.8347	13.1063	-0.8009674	0.0031651	No
						Gtf3c2	75.3722	33.9469	-1.15075	75.3732	33.9479	-1.1507293	0.00992433	No
						Gtf3c3	10.4456	3.87064	-1.43225	10.4466	3.87164	-1.4320168	0.00018329	No
						Gtf3c4	6.41242	2.98136	-1.1049	6.41342	2.98236	-1.1046395	0.00051281	No
						Gtpbp4	23.2623	13.9321	-0.739576	23.2633	13.9331	-0.7395395	0.0172708	No
						Guca2b	0	4.58823	inf	0.001	4.58923	12.1640364	0.00018329	No
						GUCD1	6.94497	16.0303	1.20676	6.94597	16.0313	1.20664334	0.00018329	No
						Gucy1a3	3.8979	0.489734	-2.99263	3.8989	0.490734	-2.990054	0.00018329	No
						Gucy1b2	0.0465252	14.4884	8.28267	0.0475252	14.4894	8.25208944	0.00066911	No
						Gucy2g	0	3.74541	inf	0.001	3.74641	11.8712931	0.00018329	No
						Guk1	71.8181	139.052	0.953205	71.8191	139.053	0.95319539	0.00035173	No
						Gulp1	0	10.8298	inf	0.001	10.8308	13.4028522	0.00018329	No
						Gyg1	8.46725	15.0239	0.827292	8.46825	15.0249	0.82721962	0.0161386	No
						Gylt1b	1.54896	23.4595	3.9208	1.54996	23.4605	3.91993087	0.0026435	No
						Gys1	0.612205	9.6888	3.98423	0.613205	9.6898	3.98202552	0.00018329	No
						Gzmb	1.00235	6.10143	2.60576	1.00335	6.10243	2.60455889	0.0272985	No
						Gzmm	109.213	63.2631	-0.787712	109.214	63.2641	-0.7876988	0.00686277	No
						H1fx	29.7803	80.3776	1.43244	29.7813	80.3786	1.43240472	0.00018329	No
						H2afj	60.7142	109.553	0.851515	60.7152	109.554	0.85151252	0.00981659	No
						H2afz	231.074	101.546	-1.18622	231.075	101.547	-1.1862136	0.00051281	No
						H3f3c	372.337	232.076	-0.682015	372.338	232.077	-0.6820093	0.00811172	No
						H6pd	0.422445	5.38182	3.67126	0.423445	5.38282	3.66811568	0.00018329	No
						Hacl1	2.19976	10.2736	2.22352	2.20076	10.2746	2.2230085	0.00051281	No
						Hadh	22.7296	119.417	2.39336	22.7306	119.418	2.39331264	0.00018329	No
						Hadha	68.3012	137.387	1.00827	68.3022	137.388	1.00825205	0.00018329	No
						Hadhb	47.1977	93.0183	0.978797	47.1987	93.0193	0.97878296	0.00018329	No
						Hagh	13.6742	67.1142	2.29516	13.6752	67.1152	2.29507761	0.00018329	No
						Hap1	10.554	1.19411	-3.14378	10.555	1.19511	-3.1427113	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Haus1	6.20317	2.61115	-1.24832	6.20417	2.61215	-1.2480005	0.00018329	No
						Haus4	5.89166	14.6368	1.31286	5.89266	14.6378	1.31270781	0.00051281	No
						Haus6	3.39146	1.12425	-1.59295	3.39246	1.12525	-1.5920862	0.00018329	No
						Havcr1	0.138081	22.2952	7.33507	0.139081	22.2962	7.32472869	0.0183081	No
						Hba1	37.5134	229.735	2.61449	37.5144	229.736	2.61446056	0.00018329	No
						Hba2	18.6075	122.707	2.72126	18.6085	122.708	2.72119564	0.00018329	No
						Hbb	16.5099	50.2206	1.60495	16.5109	50.2216	1.60488923	0.00018329	No
						Hbegf	0.109094	3.60052	5.04456	0.110094	3.60152	5.03179817	0.0124598	No
						Hbp1	32.5385	20.7898	-0.64627	32.5395	20.7908	-0.6462468	0.0327554	No
						Hcfc2	22.0067	9.07607	-1.2778	22.0077	9.07707	-1.2777098	0.00822601	No
						Hck	1.39531	15.3151	3.4563	1.39631	15.3161	3.4553578	0.00018329	No
						Hcls1	146.274	47.8565	-1.61188	146.275	47.8575	-1.6118663	0.00018329	No
						Hcn2	0.236679	14.3961	5.9266	0.237679	14.3971	5.92061999	0.00018329	No
						Hdac1	103.447	59.97	-0.786578	103.448	59.971	-0.7865688	0.0026435	No
						Hdac10	19.1308	11.7233	-0.706524	19.1318	11.7243	-0.7064708	0.0299319	No
						Hdac11	0.195733	23.9868	6.93721	0.196733	23.9878	6.92991806	0.00018329	No
						Hdac2	71.8863	47.1629	-0.608064	71.8873	47.1639	-0.6080539	0.0221058	No
						Hdac4	5.90242	2.66633	-1.14645	5.90342	2.66733	-1.1461547	0.00018329	No
						Hdac7	46.4003	18.3631	-1.33733	46.4013	18.3641	-1.337277	0.00018329	No
						Hddc3	3.81055	41.6341	3.44969	3.81155	41.6351	3.44935058	0.00018329	No
						Hdgfrp3	8.78529	4.43835	-0.985065	8.78629	4.43935	-0.9849057	0.00937155	No
						Hdhd3	0.251149	7.79715	4.95633	0.252149	7.79815	4.9507835	0.00856745	No
						Hdlbp	29.8435	53.1381	0.832332	29.8445	53.1391	0.83230871	0.0016929	No
						Heatr3	9.7654	3.70498	-1.39821	9.7664	3.70598	-1.3979718	0.0116961	No
						HEBP1	1.38624	10.6283	2.93866	1.38724	10.6293	2.93775728	0.00018329	No
						Hebp2	6.82075	3.4755	-0.972711	6.82175	3.4765	-0.9725063	0.0201703	No
						Heca	194.555	15.8895	-3.61403	194.556	15.8905	-3.613949	0.00018329	No
						Hectd1	29.3462	17.9272	-0.711023	29.3472	17.9282	-0.7109922	0.0357237	No
						Helb	22.2117	7.46606	-1.5729	22.2127	7.46706	-1.5727725	0.00290302	No
						Helz	12.9276	5.33665	-1.27645	12.9286	5.33765	-1.2762894	0.00018329	No
						Helz2	23.5723	11.1588	-1.07891	23.5733	11.1598	-1.0788426	0.0272082	No
						Herc1	53.498	19.8638	-1.42935	53.499	19.8648	-1.4292977	0.0226206	No
						Herc3	14.4015	5.78076	-1.31688	14.4025	5.78176	-1.3167386	0.00035173	No
						Herc4	29.2699	9.09624	-1.68608	29.2709	9.09724	-1.6859663	0.00082046	No
						Herc6	15.9696	6.219	-1.36057	15.9706	6.22	-1.360432	0.00018329	No
						Herpud2	41.8568	16.4308	-1.34906	41.8578	16.4318	-1.349006	0.00018329	No
						Hes1	0.18347	81.3591	8.79261	0.18447	81.3601	8.78479143	0.00018329	No
						Hexa	24.8413	89.7697	1.85349	24.8423	89.7707	1.85344589	0.00018329	No
						Hexb	6.39742	59.9888	3.22913	6.39842	59.9898	3.22892962	0.00018329	No
						Hexim1	80.312	53.5799	-0.583923	80.313	53.5809	-0.5839147	0.0317975	No
						Heyl	0	5.46218	inf	0.001	5.46318	12.4155252	0.00018329	No
						Hgd	0	66.6379	inf	0.001	66.6389	16.024077	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hgs	18.9928	38.1495	1.00621	18.9938	38.1505	1.0061734	0.00082046	No
						Hgsnat	48.1419	22.1924	-1.11723	48.1429	22.1934	-1.1171923	0.00082046	No
						Hhipl1	0	0.601027	inf	0.001	0.602027	9.23368438	0.00018329	No
						Hiat1	44.4294	23.8462	-0.897758	44.4304	23.8472	-0.8977272	0.00035173	No
						Hibadh	46.8928	113.589	1.27639	46.8938	113.59	1.27636673	0.00018329	No
						Hibch	9.14441	14.4688	0.661986	9.14541	14.4698	0.66192523	0.0381595	No
						Hif1a	47.0198	25.8598	-0.862556	47.0208	25.8608	-0.8625322	0.00224282	No
						Higd1a	22.7815	49.4626	1.11847	22.7825	49.4636	1.11844118	0.0128946	No
						Hint2	66.8238	212.874	1.67157	66.8248	212.875	1.67155101	0.00018329	No
						Hint3	10.15	20.7272	1.03004	10.151	20.7282	1.02997298	0.00380824	No
						Hip1	0.2475	8.66898	5.13036	0.2485	8.66998	5.12471091	0.00018329	No
						Hip1r	28.873	12.5821	-1.19835	28.874	12.5831	-1.1982836	0.00018329	No
						Hipk1	57.5496	16.6152	-1.79231	57.5506	16.6162	-1.7922405	0.00018329	No
						Hipk2	1.82812	7.01891	1.94089	1.82912	7.01991	1.94030281	0.00018329	No
						Hira	13.9424	6.47897	-1.10564	13.9434	6.47997	-1.1055234	0.00140841	No
						Hist1h4b	47.1029	26.3989	-0.835338	47.1039	26.3999	-0.835314	0.00154856	No
						Hist2h2aa3	56.1799	215.174	1.93737	56.1809	215.175	1.93735883	0.00018329	No
						Hist2h2ab	0	0.921859	inf	0.001	0.922859	9.84996643	0.0031651	No
						Hist3h2a	9.89383	25.6886	1.37653	9.89483	25.6896	1.3764376	0.00018329	No
						Hivep1	4.61356	2.8794	-0.680115	4.61456	2.8804	-0.6799239	0.0310472	No
						Hivep2	7.5927	3.14392	-1.27205	7.5937	3.14492	-1.2717797	0.00018329	No
						Hlcs	4.22012	2.19758	-0.941371	4.22112	2.19858	-0.9410538	0.00224282	No
						Hltf	29.1414	9.37994	-1.63542	29.1424	9.38094	-1.6353153	0.00018329	No
						Hm13	99.9447	198.17	0.987539	99.9457	198.171	0.98752945	0.00458064	No
						Hmbox1	12.922	6.07289	-1.08938	12.923	6.07389	-1.0892483	0.00066911	No
						Hmbs	12.6366	20.2475	0.680132	12.6376	20.2485	0.68009253	0.0272985	No
						Hmg20a	48.2219	11.5451	-2.06241	48.2229	11.5461	-2.0623128	0.00018329	No
						Hmgb2	541.745	132.134	-2.03561	541.746	132.135	-2.0356039	0.00018329	No
						Hmgcl	21.3002	51.6098	1.27678	21.3012	51.6108	1.27673829	0.00035173	No
						Hmgcs1	10.0131	18.9528	0.920527	10.0141	18.9538	0.92045435	0.00111812	No
						Hmgcs2	0.13687	13.3946	6.6127	0.13787	13.3956	6.60230683	0.00018329	No
						Hmgn2	202.825	119.391	-0.764537	202.826	119.392	-0.7645364	0.00329119	No
						Hmgn3	27.095	68.1912	1.33156	27.096	68.1922	1.33152684	0.00018329	No
						Hmgn5b	4.86563	9.35462	0.943053	4.86663	9.35562	0.94291017	0.00721079	No
						Hmox1	0.21425	20.983	6.61378	0.21525	20.984	6.60713266	0.00018329	No
						Hmx2	0	0.823841	inf	0.001	0.824841	9.68797224	0.00018329	No
						Hn1	132.534	59.3208	-1.15976	132.535	59.3218	-1.1597391	0.00018329	No
						Hnf4g	0	0.71793	inf	0.001	0.71893	9.4897075	0.0066167	No
						Hnmt	0	9.47819	inf	0.001	9.47919	13.2105481	0.00018329	No
						Hnrnpa0	554.993	170.376	-1.70374	554.994	170.377	-1.7037416	0.00018329	No
						HNRNPA1	903.39	166.506	-2.43978	903.391	166.507	-2.4397677	0.00018329	No
						Hnrnpa2b1	636.788	298.107	-1.09498	636.789	298.108	-1.0949803	0.0036827	No

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						Hnrnpdl	132.148	50.7314	-1.38121	132.149	50.7324	-1.3811862	0.00018329	No
						Hnrnpf	346.483	130.011	-1.41415	346.484	130.012	-1.4141439	0.00018329	No
						Hnrnp1	226.31	129.526	-0.805055	226.311	129.527	-0.8050538	0.0218106	No
						Hnrnp2	45.2504	28.0542	-0.689712	45.2514	28.0552	-0.6896942	0.0127876	No
						Hnrnpk	359.752	178.4	-1.01189	359.753	178.401	-1.011883	0.00051281	No
						Hnrnpl	396.269	251.332	-0.656887	396.27	251.333	-0.6568836	0.0369285	No
						Hnrnpm	203.846	92.9102	-1.13357	203.847	92.9112	-1.1335623	0.00018329	No
						Hnrnpr	62.0336	28.2961	-1.13245	62.0346	28.2971	-1.1324189	0.00018329	No
						Hnrnpu	242.573	116.019	-1.06406	242.574	116.02	-1.0640514	0.0018326	No
						Hnrnpul2	88.4356	34.7188	-1.34891	88.4366	34.7198	-1.3488849	0.00018329	No
						Hnrpd	224.033	105.417	-1.08761	224.034	105.418	-1.0875965	0.00018329	No
						Hoga1	0.676162	79.6856	6.88081	0.677162	79.6866	6.87869232	0.00018329	No
						Homer1	0.1841	1.76661	3.26242	0.1851	1.76761	3.2554232	0.00018329	No
						Homer2	0	3.34373	inf	0.001	3.34473	11.707674	0.00018329	No
						Homer3	6.11215	18.7534	1.6174	6.11315	18.7544	1.61724124	0.00755425	No
						Homez	0.774008	2.65768	1.77975	0.775008	2.65868	1.77842704	0.0018326	No
						Hook1	0.438131	5.33411	3.60581	0.439131	5.33511	3.60279473	0.00018329	No
						Hook2	2.40958	28.8749	3.58296	2.41058	28.8759	3.5824137	0.00018329	No
						Hopx	9.96233	18.4205	0.886754	9.96333	18.4215	0.88669063	0.00698138	No
						Hormad2	2.23257	7.21449	1.69219	2.23357	7.21549	1.6917459	0.00051281	No
						Hoxa3	0	2.29359	inf	0.001	2.29459	11.1640207	0.00018329	No
						Hoxa7	0	0.587276	inf	0.001	0.588276	9.20034937	0.0350203	No
						Hoxa9	0	0.634548	inf	0.001	0.635548	9.31185728	0.00018329	No
						Hoxb2	0	40.5904	inf	0.001	40.5914	15.3088865	0.00018329	No
						Hoxb8	0	54.4689	inf	0.001	54.4699	15.7331716	0.00018329	No
						Hoxb9	0	34.6316	inf	0.001	34.6326	15.0798431	0.00018329	No
						Hoxc10	0	9.63946	inf	0.001	9.64046	13.2348863	0.00018329	No
						Hoxd8	0	143.517	inf	0.001	143.518	17.1308722	0.00018329	No
						Hpse	18.9603	3.36707	-2.49342	18.9613	3.36807	-2.4930639	0.00018329	No
						Hpx	0.336677	4.28636	3.67032	0.337677	4.28736	3.66637374	0.00018329	No
						Hrg	0	1.00007	inf	0.001	1.00107	9.96732714	0.00018329	No
						Hrsp12	37.7405	587.313	3.95994	37.7415	587.314	3.95990836	0.00018329	No
						Hs1bp3	5.64009	9.2355	0.711472	5.64109	9.2365	0.71137232	0.0262294	No
						Hs2st1	18.0952	7.88968	-1.19757	18.0962	7.89068	-1.1974652	0.00018329	No
						Hs3st1	5.33526	2.57455	-1.05124	5.33626	2.57555	-1.0509484	0.0372165	No
						Hs3st6	0	0.701691	inf	0.001	0.702691	9.45674661	0.00018329	No
						Hsbp1	83.6368	223.001	1.41484	83.6378	223.002	1.41482963	0.00018329	No
						Hscb	46.1724	26.3072	-0.811571	46.1734	26.3082	-0.8115494	0.0152837	No
						Hsd11b1	4.84819	47.8999	3.3045	4.84919	47.9009	3.30423708	0.00018329	No
						Hsd17b10	100.309	194.859	0.957978	100.31	194.86	0.95797253	0.00018329	No
						Hsd17b11	21.4064	54.2869	1.34256	21.4074	54.2879	1.34252109	0.00018329	No
						Hsd17b2	0	1.46773	inf	0.001	1.46873	10.5203535	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hsd17b4	19.1938	51.5309	1.4248	19.1948	51.5319	1.42475026	0.00018329	No
						Hsd1	21.1634	9.9083	-1.09486	21.1644	9.9093	-1.0947845	0.00018329	No
						Hsd12	8.55284	35.9621	2.072	8.55384	35.9631	2.07187326	0.00018329	No
						Hsf2	3.83519	7.0512	0.878571	3.83619	7.0522	0.87839921	0.00799878	No
						Hsh2d	21.2323	5.37339	-1.98236	21.2333	5.37439	-1.9821557	0.00018329	No
						Hsp90b1	108.528	162.476	0.582163	108.529	162.477	0.58215491	0.0318913	No
						Hspa4l	0.852487	2.35294	1.46471	0.853487	2.35394	1.46363646	0.00066911	No
						Hspa9	55.1269	86.5041	0.650011	55.1279	86.5051	0.65000255	0.0148363	No
						Hspb1	0	95.2511	inf	0.001	95.2521	16.5394633	0.00018329	No
						Hspb6	5.59944	41.1433	2.8773	5.60044	41.1443	2.8770805	0.00035173	No
						Hspb8	0	2.9176	inf	0.001	2.9186	11.5110608	0.00018329	No
						Hspbp1	22.1756	40.8778	0.882343	22.1766	40.8788	0.88231465	0.00303839	No
						Hspd1	74.4966	138.227	0.891792	74.4976	138.228	0.89178403	0.0205807	No
						Hspg2	0.0382994	34.2285	9.80366	0.0392994	34.2295	9.76651722	0.00018329	No
						Htatif2	19.8197	10.5941	-0.90368	19.8207	10.5951	-0.9036107	0.00880015	No
						Htatsf1	47.3799	29.738	-0.671966	47.3809	29.739	-0.6719495	0.00925991	No
						Htt	7.61568	3.90269	-0.964503	7.61668	3.90369	-0.9643238	0.00035173	No
						Huwe1	94.3372	36.1472	-1.38394	94.3382	36.1482	-1.3839183	0.00018329	No
						Hyal1	13.2002	23.7029	0.844501	13.2012	23.7039	0.84445537	0.017077	No
						Hyal2	1.0275	15.5681	3.92138	1.0285	15.5691	3.92007185	0.00018329	No
						Hykk	0	13.1499	inf	0.001	13.1509	13.6828739	0.00018329	No
						Iah1	96.4281	143.439	0.57291	96.4291	143.44	0.57290691	0.0377809	No
						Iba57	2.78435	4.7504	0.770707	2.78535	4.7514	0.77049404	0.0460114	No
						Ibtk	16.7893	10.1547	-0.725387	16.7903	10.1557	-0.7253383	0.0209932	No
						Ica1	0.362663	15.6029	5.42704	0.363663	15.6039	5.4231607	0.00018329	No
						Icam1	3.00882	18.0029	2.58096	3.00982	18.0039	2.58056034	0.00018329	No
						Icam2	162.616	41.2909	-1.97757	162.617	41.2919	-1.9775474	0.00018329	No
						Icmt	3.94109	7.44942	0.918536	3.94209	7.45042	0.91836104	0.00970533	No
						Icos	37.837	8.88374	-2.09056	37.838	8.88474	-2.0904344	0.00018329	No
						Icoslg	2.84361	24.4257	3.1026	2.84461	24.4267	3.1021562	0.00018329	No
						Ict1	48.1759	85.9756	0.835614	48.1769	85.9766	0.83560249	0.0026435	No
						Id4	0	24.5928	inf	0.001	24.5938	14.586007	0.00018329	No
						Idh1	4.91604	58.0193	3.56096	4.91704	58.0203	3.56069576	0.00018329	No
						Idh2	16.5312	573.763	5.11719	16.5322	573.764	5.11710682	0.00018329	No
						Idh3a	35.3717	56.4823	0.675205	35.3727	56.4833	0.67518804	0.0108214	No
						Idh3B	63.5636	144.669	1.18648	63.5646	144.67	1.18647035	0.00018329	No
						Idh3g	103.532	192.613	0.89563	103.533	192.614	0.89562188	0.00051281	No
						Idi1	3.41826	9.4265	1.46346	3.41926	9.4275	1.46319112	0.00018329	No
						Ier2	32.9619	141.571	2.10265	32.9629	141.572	2.10262088	0.00018329	No
						Ier3	2.41527	120.843	5.6448	2.41627	120.844	5.64422036	0.00018329	No
						Ier5l	0.075376	24.5091	8.345	0.076376	24.5101	8.32604129	0.0246265	No
						Iffo1	44.1741	19.5262	-1.17779	44.1751	19.5272	-1.1777483	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lfi202b	320.518	19.5537	-4.03489	320.519	19.5547	-4.0348226	0.00018329	No
						lfi27	542.754	241.261	-1.16971	542.755	241.262	-1.1697004	0.00018329	No
						lfi27l2b	1640.59	335.574	-2.28951	1640.591	335.575	-2.2895085	0.00018329	No
						lfi44	82.3501	36.2878	-1.18228	82.3511	36.2888	-1.1822636	0.00018329	No
						lfi44l	58.5191	8.64163	-2.75953	58.5201	8.64263	-2.7593899	0.00018329	No
						lfi47	67.155	27.9093	-1.26675	67.156	27.9103	-1.2667187	0.00380824	No
						lfi47l	5.47083	3.4301	-0.67351	5.47183	3.4311	-0.6733522	0.0423961	No
						lfit1lb	10.5743	26.7573	1.33938	10.5753	26.7583	1.33928787	0.00018329	No
						lfitm1	494.543	161.369	-1.61573	494.544	161.37	-1.6157265	0.00018329	No
						lfitm2	204.521	388.833	0.926898	204.522	388.834	0.92689834	0.00469886	No
						lfitm3	0	72.2167	inf	0.001	72.2177	16.1400649	0.00018329	No
						lfnar1	50.3669	14.698	-1.77685	50.3679	14.699	-1.7767866	0.00018329	No
						lfng	1.15911	8.21716	2.82563	1.16011	8.21816	2.82455381	0.00066911	No
						lfngr2	22.5958	14.636	-0.62653	22.5968	14.637	-0.6264986	0.0437248	No
						lfrd1	50.0396	31.8962	-0.649689	50.0406	31.8972	-0.6496693	0.0161386	No
						lft122	1.12137	22.7202	4.34064	1.12237	22.7212	4.33941877	0.00018329	No
						lft172	3.23495	23.7576	2.87657	3.23595	23.7586	2.8761886	0.00018329	No
						lft20	59.6442	94.401	0.662419	59.6452	94.402	0.66241138	0.0137692	No
						lft43	0.85693	23.5947	4.78314	0.85793	23.5957	4.78152022	0.00018329	No
						lft46	13.64	29.3728	1.10664	13.641	29.3738	1.1065805	0.00018329	No
						lft57	0.792285	14.1153	4.15509	0.793285	14.1163	4.15337892	0.00018329	No
						lft80	22.5663	7.69985	-1.55127	22.5673	7.70085	-1.5511442	0.02934	No
						lft81	1.85043	10.1702	2.45841	1.85143	10.1712	2.45777799	0.00018329	No
						lfg1r	11.6014	7.16332	-0.695599	11.6024	7.16432	-0.6955216	0.0158179	No
						lfgals	0.256313	1.24456	2.27966	0.257313	1.24556	2.27519827	0.0114728	No
						lgfbp1	0	66.2956	inf	0.001	66.2966	16.0166473	0.00018329	No
						lgfbp2	0	74.6193	inf	0.001	74.6203	16.1872805	0.00018329	No
						lgfbp3	0	3.69306	inf	0.001	3.69406	11.8509916	0.00018329	No
						lgfbp4	1.52666	15.8874	3.37943	1.52766	15.8884	3.37857845	0.00018329	No
						lgfbp5	0	121.212	inf	0.001	121.213	16.8871849	0.00018329	No
						lGG-2A	204.658	56.6828	-1.85223	204.659	56.6838	-1.8522137	0.00018329	No
						lGJ	16.5511	6.11973	-1.43538	16.5521	6.12073	-1.4352386	0.00018329	No
						lgkc	93.274	29.9797	-1.63749	93.275	29.9807	-1.6374564	0.00018329	No
						lglon5	0.233755	9.46576	5.33965	0.234755	9.46676	5.33364296	0.00018329	No
						lgsf1	0	1.61367	inf	0.001	1.61467	10.6570236	0.00018329	No
						lgsf3	0.0375039	6.73569	7.48864	0.0385039	6.73669	7.45089152	0.00018329	No
						lgsf5	0	63.5681	inf	0.001	63.5691	15.956038	0.00018329	No
						lgsf9	1.51724	6.57158	2.11479	1.51824	6.57258	2.11405993	0.00018329	No
						lkbip	4.73577	14.6819	1.63237	4.73677	14.6829	1.63216141	0.00051281	No
						lkbkb	53.7369	32.2159	-0.73814	53.7379	32.2169	-0.7381223	0.0125688	No
						lkbke	118.441	51.8273	-1.19239	118.442	51.8283	-1.1923688	0.0152837	No
						lkbkg	12.1511	6.17396	-0.976817	12.1521	6.17496	-0.976704	0.0281852	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lkzf1	190.058	15.5766	-3.60899	190.059	15.5776	-3.6089025	0.00018329	No
						lkzf2	10.4673	2.94952	-1.82734	10.4683	2.95052	-1.826986	0.00018329	No
						lkzf3	46.3075	5.62147	-3.04223	46.3085	5.62247	-3.0420011	0.00018329	No
						lkzf5	11.6354	4.07301	-1.51435	11.6364	4.07401	-1.5141234	0.00018329	No
						ll10ra	13.0482	2.00283	-2.70374	13.0492	2.00383	-2.7031293	0.00018329	No
						ll10rb	28.4476	14.9131	-0.931724	28.4486	14.9141	-0.9316807	0.00140841	No
						ll12rb1	2.40733	10.8432	2.17129	2.40833	10.8442	2.17081863	0.00018329	No
						ll13ra1	0.177635	14.5063	6.35162	0.178635	14.5073	6.34362045	0.00018329	No
						ll16	43.8974	6.81058	-2.68829	43.8984	6.81158	-2.688107	0.00432763	No
						ll17a	0	1.5202	inf	0.001	1.5212	10.5709941	0.00018329	No
						ll17rb	0.0417309	1.50957	5.17687	0.0427309	1.51057	5.14366953	0.0159271	No
						ll17rc	0.0782884	16.9976	7.76231	0.0792884	16.9986	7.7440904	0.00018329	No
						ll17rd	0.0167946	7.60794	8.82336	0.0177946	7.60894	8.74011217	0.0138771	No
						ll17re	0.223485	8.47603	5.24514	0.224485	8.47703	5.23886794	0.00018329	No
						ll18	4.18816	19.7274	2.23581	4.18916	19.7284	2.23554106	0.00277264	No
						ll18r1	16.9808	5.48076	-1.63146	16.9818	5.48176	-1.6312783	0.00018329	No
						ll18RAP	8.39257	5.30121	-0.662793	8.39357	5.30221	-0.6626907	0.033435	No
						ll19	0.368029	5.82907	3.98537	0.369029	5.83007	3.98170711	0.00018329	No
						ll1b	0.703545	14.7972	4.39454	0.704545	14.7982	4.39258604	0.00018329	No
						ll1r1	0.230687	1.97492	3.09779	0.231687	1.97592	3.09227554	0.0188386	No
						ll1rn	0.568093	9.58168	4.07608	0.569093	9.58268	4.07369285	0.00018329	No
						ll2	1.10128	0.308915	-1.8339	1.10228	0.309915	-1.8305463	0.0485114	No
						ll21r	151.056	16.1285	-3.2274	151.057	16.1295	-3.2273194	0.00018329	No
						ll22ra2	0.683169	0.21929	-1.6394	0.684169	0.22029	-1.6349487	0.0147272	No
						ll24	0.176055	4.09381	4.53935	0.177055	4.09481	4.53152702	0.00035173	No
						ll2ra	21.397	13.0181	-0.716889	21.398	13.0191	-0.7168462	0.0375863	No
						ll2rb	86.4071	43.9172	-0.976365	86.4081	43.9182	-0.9763476	0.00126492	No
						ll2rg	518.45	74.8504	-2.79212	518.451	74.8514	-2.7921064	0.00018329	No
						ll34	0.244362	17.0328	6.12316	0.245362	17.0338	6.11734467	0.00066911	No
						ll4r	136.617	22.5368	-2.59979	136.618	22.5378	-2.599729	0.00018329	No
						ll6r	48.6721	4.56995	-3.41285	48.6731	4.57095	-3.4125587	0.00018329	No
						ll6st	21.4009	10.8323	-0.982336	21.4019	10.8333	-0.9822661	0.00018329	No
						ll9r	1.4331	0.0823178	-4.12179	1.4341	0.0833178	-4.1053771	0.00650199	No
						lldr1	0.313851	37.2172	6.88975	0.314851	37.2182	6.88519522	0.00018329	No
						llf2	42.782	71.3296	0.737499	42.783	71.3306	0.73748346	0.0063852	No
						llvbl	7.42027	16.6427	1.16534	7.42127	16.6437	1.16523819	0.00018329	No
						lmmt	60.2472	129.112	1.09965	60.2482	129.113	1.09964422	0.00018329	No
						lmpa2	16.6931	57.8171	1.79224	16.6941	57.8181	1.79218288	0.00018329	No
						lmpact	73.6403	13.378	-2.46064	73.6413	13.379	-2.4605448	0.00018329	No
						lmpad1	4.12441	7.53388	0.869204	4.12541	7.53488	0.86904703	0.00154856	No
						lmpdh1	50.8201	12.9612	-1.9712	50.8211	12.9622	-1.971117	0.00018329	No
						lmpdh2	326.072	77.8872	-2.06573	326.073	77.8882	-2.0657183	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Inadl	6.13791	21.2561	1.79206	6.13891	21.2571	1.79189037	0.00018329	No
						Ing1	84.2218	34.4349	-1.29032	84.2228	34.4359	-1.2902975	0.00238141	No
						Ing3	23.5443	5.97033	-1.9795	23.5453	5.97133	-1.9793149	0.00018329	No
						Inip	25.1035	9.53195	-1.39705	25.1045	9.53295	-1.3969514	0.00126492	No
						Inmt	0	48.7545	inf	0.001	48.7555	15.5732774	0.00018329	No
						Ino80	14.064	6.46661	-1.12093	14.065	6.46761	-1.120805	0.00066911	No
						Inpp4b	24.4878	3.02569	-3.01673	24.4888	3.02669	-3.0163093	0.00018329	No
						Inpp5b	43.2295	20.8607	-1.05123	43.2305	20.8617	-1.0511928	0.0159271	No
						Inpp5d	28.3493	9.67649	-1.55076	28.3503	9.67749	-1.5506592	0.00018329	No
						Inpp5j	0	25.1506	inf	0.001	25.1516	14.6183626	0.00018329	No
						Inpp5k	25.6075	12.8414	-0.995758	25.6085	12.8424	-0.9957079	0.00126492	No
						Inpp1	9.20814	23.4681	1.34972	9.20914	23.4691	1.34962418	0.00018329	No
						Insig2	5.67864	11.1173	0.969193	5.67964	11.1183	0.96906482	0.0016929	No
						Insl3	96.247	46.1323	-1.06097	96.248	46.1333	-1.0609481	0.00018329	No
						Ints10	24.192	13.7617	-0.813871	24.193	13.7627	-0.8138261	0.00948282	No
						Ints2	4.93737	2.28121	-1.11394	4.93837	2.28221	-1.1136034	0.0016929	No
						INTS6	31.2795	9.23495	-1.76004	31.2805	9.23595	-1.7599313	0.00018329	No
						Ip6k1	59.3463	25.1682	-1.23755	59.3473	25.1692	-1.237523	0.00018329	No
						Ipcef1	22.4898	3.15637	-2.83293	22.4908	3.15737	-2.8325397	0.00018329	No
						Ipmk	5.151	16.6533	1.69288	5.152	16.6543	1.69269022	0.00018329	No
						Ipo5	38.95	25.9257	-0.587238	38.951	25.9267	-0.5872218	0.0275792	No
						Ipo9	22.598	9.64184	-1.22882	22.599	9.64284	-1.2287289	0.00035173	No
						Iqcb1	7.83717	4.08045	-0.941607	7.83817	4.08145	-0.9414351	0.00755425	No
						Iqce	1.02823	6.97314	2.76165	1.02923	6.97414	2.76044991	0.00018329	No
						Iqch	13.8273	34.1273	1.30341	13.8283	34.1283	1.30334474	0.00154856	No
						Iqgap1	48.1511	17.3857	-1.46967	48.1521	17.3867	-1.4696146	0.00018329	No
						Iqgap2	44.2425	8.65884	-2.35319	44.2435	8.65984	-2.3530532	0.00018329	No
						Iqgap3	0.0858221	1.05819	3.62411	0.0868221	1.05919	3.60875528	0.00018329	No
						Iqsec1	2.05422	34.4765	4.06895	2.05522	34.4775	4.06829043	0.00018329	No
						Iqsec2	0.76244	4.7826	2.6491	0.76344	4.7836	2.64751007	0.00018329	No
						Iqub	0.498549	1.90333	1.93272	0.499549	1.90433	1.9305854	0.00035173	No
						IRAK1BP1	0.418647	13.0457	4.96169	0.419647	13.0467	4.95836486	0.00018329	No
						Irak3	16.4042	9.40062	-0.80324	16.4052	9.40162	-0.8031719	0.0136625	No
						Irak4	14.9583	7.89136	-0.922598	14.9593	7.89236	-0.922514	0.00755425	No
						Ireb2	15.3488	8.66562	-0.82475	15.3498	8.66662	-0.8246785	0.00111812	No
						Irf2	95.1767	19.3241	-2.30021	95.1777	19.3251	-2.3001477	0.00018329	No
						Irf5	2.22849	7.74474	1.79715	2.22949	7.74574	1.79668935	0.00018329	No
						Irf9	52.6029	19.4583	-1.43476	52.6039	19.4593	-1.4347099	0.0298279	No
						Irs1	0.340413	1.04399	1.61675	0.341413	1.04499	1.61389924	0.00210945	No
						Isca1	33.9107	66.7197	0.976375	33.9117	66.7207	0.97635132	0.00018329	No
						Iscu	66.5339	201.029	1.59524	66.5349	201.03	1.59522762	0.00018329	No
						Isoc1	14.3074	39.5922	1.46845	14.3084	39.5932	1.46839032	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Isoc2a	29.9154	57.2744	0.937002	29.9164	57.2754	0.93697905	0.00811172	No
						Isoc2b	18.1048	82.7583	2.19253	18.1058	82.7593	2.19246952	0.00018329	No
						Ispd	0.072117	6.19665	6.425	0.073117	6.19765	6.4053706	0.0066167	No
						Ily1	96.1699	39.3358	-1.28974	96.1709	39.3368	-1.2897208	0.00018329	No
						Ilyna1	56.9246	105.662	0.89233	56.9256	105.663	0.89232078	0.00018329	No
						Itch	25.8782	12.4918	-1.05076	25.8792	12.4928	-1.0506962	0.00018329	No
						Itfg1	6.78023	26.3695	1.95947	6.78123	26.3705	1.95930604	0.00018329	No
						Itfg3	1.86552	60.6887	5.02378	1.86652	60.6897	5.02302882	0.00018329	No
						Itga1	13.9743	45.6259	1.70707	13.9753	45.6269	1.70700538	0.00018329	No
						Itga2	3.06449	0.621206	-2.30251	3.06549	0.622206	-2.3006535	0.00018329	No
						Itga3	2.01986	31.1674	3.94771	2.02086	31.1684	3.94704281	0.00018329	No
						Itga4	54.6249	3.09049	-4.14365	54.6259	3.09149	-4.1432109	0.00018329	No
						Itgam	0.311914	1.44073	2.20758	0.312914	1.44173	2.2039629	0.00051281	No
						Itgav	4.24757	20.5541	2.27472	4.24857	20.5551	2.27444715	0.00018329	No
						Itgax	0.271499	1.6621	2.61399	0.272499	1.6631	2.60955208	0.00018329	No
						Itgb2	103.901	22.4866	-2.20807	103.902	22.4876	-2.2080218	0.00018329	No
						Itgb3	16.7671	7.92368	-1.08139	16.7681	7.92468	-1.0812946	0.0350203	No
						Itgb7	130.555	30.2999	-2.10727	130.556	30.3009	-2.1072362	0.00018329	No
						Itgb8	0.0904303	6.01278	6.05508	0.0914303	6.01378	6.03945593	0.00018329	No
						Itih5	0	9.54732	inf	0.001	9.54832	13.2210312	0.00018329	No
						Itk	99.8354	11.0464	-3.17598	99.8364	11.0474	-3.175859	0.00018329	No
						Itm2a	79.2735	9.27823	-3.09492	79.2745	9.27923	-3.0947799	0.00018329	No
						Itm2b	454.614	970.954	1.09476	454.615	970.955	1.09475915	0.00197017	No
						Itm2c	60.3033	279.162	2.21079	60.3043	279.163	2.21077496	0.00018329	No
						Itpk1	21.3197	13.8225	-0.625164	21.3207	13.8235	-0.6251319	0.0345543	No
						Itpkb	73.3445	19.7628	-1.89191	73.3455	19.7638	-1.8918481	0.00018329	No
						Itpkc	2.06858	5.45497	1.39893	2.06958	5.45597	1.39849769	0.00018329	No
						Itpr2	11.8958	2.71001	-2.13408	11.8968	2.71101	-2.1336712	0.00018329	No
						Ilysn1	19.3457	354.921	4.19741	19.3467	354.922	4.19734259	0.00018329	No
						Ilyd	21.7348	52.041	1.25964	21.7358	52.042	1.25960321	0.00018329	No
						IVNS1ABP_P REDICTED	48.8004	209.211	2.1	48.8014	209.212	2.09997116	0.00018329	No
						Ilyd	0	9.19373	inf	0.001	9.19473	13.1665915	0.00018329	No
						Ilyumo4	16.8845	3.74999	-2.17074	16.8855	3.75099	-2.1704416	0.0114728	No
						Jag1	0.0303414	31.695	10.0287	0.0313414	31.696	9.98201544	0.00018329	No
						Jag2	0.177118	3.46514	4.29013	0.178118	3.46614	4.2824247	0.00018329	No
						Jak1	229.724	35.6972	-2.68602	229.725	35.6982	-2.6859846	0.00018329	No
						Jak2	33.9077	8.07411	-2.07024	33.9087	8.07511	-2.0701017	0.00018329	No
						Jakmip1	62.4031	5.10189	-3.61251	62.4041	5.10289	-3.6122544	0.00018329	No
						Jup	25.5409	44.5893	0.80389	25.5419	44.5903	0.80386406	0.00290302	No
						Kalrn	0.031457	13.1514	8.70761	0.032457	13.1524	8.66258071	0.00018329	No
						Kank1	0.0964353	34.1429	8.46781	0.0974353	34.1439	8.4529676	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kank2	0.418466	12.3286	4.88076	0.419466	12.3296	4.87742831	0.00018329	No
						Kank3	0.549221	4.58893	3.0627	0.550221	4.58993	3.06038904	0.00018329	No
						Kans1	79.1028	21.0728	-1.90835	79.1038	21.0738	-1.9082965	0.00018329	No
						Kans1l	2.12077	13.2035	2.63825	2.12177	13.2045	2.63768949	0.00035173	No
						Kap	0	999.978	inf	0.001	999.979	19.9315383	0.00018329	No
						Kat6a	18.8629	7.09803	-1.41006	18.8639	7.09903	-1.4099342	0.00018329	No
						Kat6b	11.1003	6.55755	-0.759375	11.1013	6.55855	-0.7592798	0.0472851	No
						Kat7	30.5387	16.5183	-0.886578	30.5397	16.5193	-0.8865333	0.00197017	No
						Katna1	27.5145	14.3068	-0.943491	27.5155	14.3078	-0.9434427	0.00097029	No
						KAZN	0.0824307	34.1116	8.69287	0.0834307	34.1126	8.67551065	0.00018329	No
						Kbtbd11	36.2389	3.31571	-3.45015	36.2399	3.31671	-3.4497542	0.00018329	No
						Kbtbd2	38.8246	11.7539	-1.72384	38.8256	11.7549	-1.723746	0.00018329	No
						Kbtbd8	3.05686	0.967234	-1.66011	3.05786	0.968234	-1.6590947	0.00035173	No
						Kcnab2	60.1239	10.9368	-2.45875	60.1249	10.9378	-2.45864	0.00018329	No
						Kcnab3	1.26446	0.146052	-3.11397	1.26546	0.147052	-3.1052636	0.00591487	No
						Kcne1	0	1.28209	inf	0.001	1.28309	10.3254067	0.00018329	No
						Kcnip2	1.03268	0.12385	-3.05973	1.03368	0.12485	-3.0495219	0.00035173	No
						Kcnip3	0	2.25216	inf	0.001	2.25316	11.137734	0.00018329	No
						Kcnj1	0.0566175	125.763	11.1172	0.0576175	125.764	11.0919243	0.00018329	No
						Kcnj12	0.0621527	2.39676	5.26913	0.0631527	2.39776	5.24669904	0.0220133	No
						Kcnj13	0.206555	2.99657	3.85872	0.207555	2.99757	3.85222785	0.0475434	No
						Kcnj16	0	209.402	inf	0.001	209.403	17.6759226	0.00018329	No
						Kcnk1	0.195567	73.3096	8.5502	0.196567	73.3106	8.54285686	0.00018329	No
						Kcnk5	0.653613	12.498	4.25712	0.654613	12.499	4.25502661	0.00018329	No
						Kcnk6	9.27791	5.06584	-0.872998	9.27891	5.06684	-0.8728691	0.00902869	No
						Kcnmb4	13.532	4.13316	-1.71105	13.533	4.13416	-1.7108156	0.00018329	No
						Kcnn2	0	4.48707	inf	0.001	4.48807	12.1318795	0.00018329	No
						Kcnq1	0	8.05836	inf	0.001	8.05936	12.9764496	0.00018329	No
						Kcnt1	0	103.039	inf	0.001	103.04	16.652845	0.00018329	No
						Kctd1	4.44464	46.3222	3.38156	4.44564	46.3232	3.38127189	0.00018329	No
						Kctd13	3.30369	6.80582	1.04269	3.30469	6.80682	1.04246601	0.00615197	No
						Kctd17	0.829943	17.7708	4.42035	0.830943	17.7718	4.41869648	0.00018329	No
						Kctd18	25.8311	10.6811	-1.27406	25.8321	10.6821	-1.2739696	0.00018329	No
						Kctd20	16.8277	6.47007	-1.37899	16.8287	6.47107	-1.3788475	0.00018329	No
						Kctd3	7.62474	12.8487	0.752865	7.62574	12.8497	0.75278543	0.0122333	No
						Kctd6	4.93315	18.7283	1.92464	4.93415	18.7293	1.9244235	0.00018329	No
						Kdelc2	2.91571	14.8817	2.35163	2.91671	14.8827	2.35122243	0.00018329	No
						Kdelr1	36.2533	89.85	1.30941	36.2543	89.851	1.30938244	0.00018329	No
						Kdelr2	16.9131	26.7018	0.658793	16.9141	26.7028	0.65876461	0.0418329	No
						Kdm1b	25.2032	8.94679	-1.49417	25.2042	8.94779	-1.4940609	0.00018329	No
						Kdm3a	55.3646	17.8028	-1.63686	55.3656	17.8038	-1.6368047	0.00018329	No
						Kdm3b	21.9753	10.97	-1.00232	21.9763	10.971	-1.0022535	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kdm4a	32.8034	15.8188	-1.05221	32.8044	15.8198	-1.052158	0.00018329	No
						Kdm4c	12.3444	6.7924	-0.861867	12.3454	6.7934	-0.8617679	0.00603614	No
						Kdm5a	24.8759	6.61101	-1.91181	24.8769	6.61201	-1.9116459	0.00018329	No
						Kdm5b	14.0004	8.9796	-0.640742	14.0014	8.9806	-0.6406873	0.015599	No
						Kdm5c	10.3334	6.25356	-0.724565	10.3344	6.25456	-0.7244743	0.0175951	No
						Kdm6a	19.6582	5.29762	-1.89172	19.6592	5.29862	-1.891516	0.00018329	No
						Kdm7a	12.0585	2.86095	-2.07549	12.0595	2.86195	-2.0750997	0.00018329	No
						Kdr	0.0400436	1.31281	5.03494	0.0410436	1.31381	5.00045556	0.00018329	No
						Khdrbs1	81.034	36.0647	-1.16794	81.035	36.0657	-1.1679177	0.00018329	No
						Khynyn	74.9722	35.8167	-1.06572	74.9732	35.8177	-1.0657023	0.0279905	No
						Khsrp	40.4006	25.69	-0.653169	40.4016	25.691	-0.6531494	0.0483321	No
						Kidins220	27.4073	16.7537	-0.710083	27.4083	16.7547	-0.710047	0.00744054	No
						Kif11	0.824362	3.61418	2.13232	0.825362	3.61518	2.13096856	0.00018329	No
						Kif13a	3.41302	5.9531	0.80259	3.41402	5.9541	0.80241194	0.0412791	No
						Kif13b	6.59616	13.8619	1.07143	6.59716	13.8629	1.07131209	0.00210945	No
						Kif15	3.3692	1.01924	-1.72492	3.3702	1.02024	-1.7239256	0.00018329	No
						Kif16b	2.62193	7.72432	1.55878	2.62293	7.72532	1.55841539	0.00018329	No
						Kif18b	0.21306	1.15233	2.43522	0.21406	1.15333	2.42971823	0.00018329	No
						Kif1c	10.3454	92.9309	3.16717	10.3464	92.9319	3.16704503	0.00018329	No
						Kif20b	0.2037	0.762691	1.90465	0.2047	0.763691	1.89947792	0.00224282	No
						Kif22	0.485404	3.59897	2.89033	0.486404	3.59997	2.88775789	0.00018329	No
						Kif23	1.17418	3.62624	1.62682	1.17518	3.62724	1.62599046	0.00018329	No
						Kif2a	20.2868	8.04685	-1.33405	20.2878	8.04785	-1.3339371	0.00051281	No
						Kif2c	0.220972	1.58507	2.84261	0.221972	1.58607	2.83700684	0.00082046	No
						Kif3a	2.31313	4.63113	1.00152	2.31413	4.63213	1.00120583	0.0145263	No
						Kif4a	0.168297	0.879651	2.38592	0.169297	0.880651	2.37901399	0.00126492	No
						Kif5c	2.32405	0.601321	-1.95044	2.32505	0.602321	-1.9486573	0.0102693	No
						Kif9	0.054471	0.721851	3.72814	0.055471	0.722851	3.70389266	0.0200787	No
						Kifap3	4.34027	18.2112	2.06897	4.34127	18.2122	2.06871615	0.00018329	No
						Kifc1	3.75088	8.97002	1.25788	3.75188	8.97102	1.25765834	0.00035173	No
						Kifc2	4.04531	9.73984	1.26765	4.04631	9.74084	1.26743933	0.00494262	No
						Kirrel	0	1.04613	inf	0.001	1.04713	10.0322248	0.00018329	No
						Kitlg	0.257139	7.26609	4.82056	0.258139	7.26709	4.81515775	0.00018329	No
						Klc2	14.3151	30.6293	1.09737	14.3161	30.6303	1.09732097	0.00018329	No
						Klc4	11.7393	41.1801	1.8106	11.7403	41.1811	1.81051309	0.00018329	No
						Klf10	2.71851	9.13613	1.74877	2.71951	9.13713	1.74839435	0.00018329	No
						Klf11	12.2933	6.70108	-0.875408	12.2943	6.70208	-0.8753088	0.00419853	No
						Klf12	8.44146	2.17994	-1.95321	8.44246	2.18094	-1.9527134	0.00018329	No
						Klf3	80.1902	24.0208	-1.73914	80.1912	24.0218	-1.7390997	0.00018329	No
						Klf4	1.57646	32.1144	4.34846	1.57746	32.1154	4.34758994	0.00018329	No
						Klf5	0.0675538	8.16399	6.91709	0.0685538	8.16499	6.89607067	0.00902869	No
						KLF7	5.49027	2.95019	-0.896067	5.49127	2.95119	-0.895843	0.00111812	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Klf9	41.4776	17.366	-1.25607	41.4786	17.367	-1.2560186	0.00018329	No
						KLHDC1	11.4519	1.53319	-2.90097	11.4529	1.53419	-2.9001639	0.00018329	No
						Klhdc10	6.10739	15.5307	1.34649	6.10839	15.5317	1.34635167	0.00018329	No
						KLHDC2	75.0121	24.6689	-1.60443	75.0131	24.6699	-1.6043907	0.00018329	No
						Klhdc3	80.801	46.2905	-0.803657	80.802	46.2915	-0.8036437	0.00290302	No
						Klhdc4	18.2112	29.2356	0.6829	18.2122	29.2366	0.68287034	0.0195672	No
						Klhdc7a	0	17.8325	inf	0.001	17.8335	14.1223023	0.00018329	No
						Klhl11	4.21104	1.8907	-1.15526	4.21204	1.8917	-1.1548358	0.00811172	No
						Klhl12	8.98047	20.867	1.21636	8.98147	20.868	1.21626884	0.0271125	No
						Klhl13	0.0569919	2.07405	5.18555	0.0579919	2.07505	5.16115088	0.00018329	No
						Klhl14	0.0697372	8.0359	6.84839	0.0707372	8.0369	6.82802621	0.00277264	No
						Klhl15	5.7817	1.45315	-1.99231	5.7827	1.45415	-1.9915672	0.00018329	No
						Klhl2	32.3947	20.5608	-0.655858	32.3957	20.5618	-0.6558358	0.0225266	No
						Klhl20	14.0255	4.76796	-1.5566	14.0265	4.76896	-1.5564085	0.00018329	No
						Klhl23	0.115065	0.601512	2.38614	0.116065	0.602512	2.37605699	0.00197017	No
						Klhl24	27.2222	15.4785	-0.814522	27.2232	15.4795	-0.8144778	0.0178047	No
						Klhl25	3.2895	6.45768	0.973145	3.2905	6.45868	0.97293252	0.00277264	No
						Klhl26	0.608619	2.49472	2.03526	0.609619	2.49572	2.03347631	0.00018329	No
						Klhl28	4.02919	0.993387	-2.02006	4.03019	0.994387	-2.0189685	0.00018329	No
						Klhl30	0	1.63879	inf	0.001	1.63979	10.6792954	0.00018329	No
						Klhl42	27.5628	50.651	0.87787	27.5638	50.652	0.87784444	0.0136625	No
						Klhl6	47.6862	3.8001	-3.64947	47.6872	3.8011	-3.6491132	0.00018329	No
						Klra17	9.15418	49.3546	2.43068	9.15518	49.3556	2.43055363	0.00018329	No
						Klrb1c	61.2044	13.8014	-2.14882	61.2054	13.8024	-2.1487398	0.00018329	No
						Klrd1	83.4574	23.1817	-1.84805	83.4584	23.1827	-1.8480087	0.00018329	No
						Klrg2	0.0972325	3.79733	5.2874	0.0982325	3.79833	5.27302103	0.00354878	No
						Klrk1	199.88	27.9649	-2.83745	199.881	27.9659	-2.8374007	0.00018329	No
						Kmt2a	14.3815	4.67887	-1.61998	14.3825	4.67987	-1.6197741	0.00018329	No
						Kmt2b	21.0837	9.65909	-1.12617	21.0847	9.66009	-1.126088	0.00755425	No
						Kmt2c	42.6256	10.326	-2.04544	42.6266	10.327	-2.0453328	0.00018329	No
						Kmt2e	45.3041	18.5177	-1.29073	45.3051	18.5187	-1.2906906	0.00035173	No
						KNG1L1	0	105.924	inf	0.001	105.925	16.6926836	0.00018329	No
						Kpna1	25.385	6.30153	-2.0102	25.386	6.30253	-2.0100301	0.00018329	No
						Kpna5	14.3382	4.00946	-1.83838	14.3392	4.01046	-1.8381249	0.00018329	No
						KPTN	14.0878	25.1121	0.833933	14.0888	25.1131	0.83389139	0.00615197	No
						Kri1	46.5884	21.4811	-1.1169	46.5894	21.4821	-1.1168667	0.0242348	No
						Krit1	27.7458	11.9423	-1.21619	27.7468	11.9433	-1.2161199	0.00018329	No
						Krt14	0	13.9116	inf	0.001	13.9126	13.7641044	0.00018329	No
						Krt15	0	60.8417	inf	0.001	60.8427	15.8927966	0.00018329	No
						Krt17	0	1.33255	inf	0.001	1.33355	10.3810562	0.00018329	No
						Krt18	3.0239	65.3234	4.43312	3.0249	65.3244	4.43266261	0.00018329	No
						Krt23	0	5.96719	inf	0.001	5.96819	12.5430777	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Krt5	0.0179185	15.1672	9.72528	0.0189185	15.1682	9.64703647	0.0237237	No
						Kynu	0.178809	8.84627	5.62858	0.179809	8.84727	5.62069521	0.00290302	No
						L1cam	3.32615	29.2763	3.13781	3.32715	29.2773	3.1374237	0.00018329	No
						L2hgdh	1.87464	5.12471	1.45085	1.87564	5.12571	1.45036891	0.00018329	No
						L3mbtl1	0.10584	1.85101	4.12835	0.10684	1.85201	4.1155681	0.00197017	No
						L3mbtl2	32.8805	17.9753	-0.871214	32.8815	17.9763	-0.87118	0.00238141	No
						L3mbtl3	55.089	6.49419	-3.08454	55.09	6.49519	-3.0843468	0.00018329	No
						Lacc1	0.0921478	0.837734	3.18447	0.0931478	0.838734	3.17061974	0.00744054	No
						Lace1	4.70434	19.962	2.08519	4.70534	19.963	2.08495766	0.00018329	No
						Lactb	10.713	30.9998	1.53289	10.714	31.0008	1.53280824	0.00018329	No
						Lama1	0.831326	2.33888	1.49233	0.832326	2.33988	1.49121393	0.00035173	No
						Lama2	1.29016	0.245607	-2.39312	1.29116	0.246607	-2.3883821	0.00066911	No
						Lamb1	0.0433122	37.4932	9.75764	0.0443122	37.4942	9.72474777	0.00018329	No
						Lamb2	0.0191756	55.5889	11.5013	0.0201756	55.5899	11.4279955	0.0149499	No
						Lamc1	0.909773	12.5962	3.79134	0.910773	12.5972	3.78986777	0.00018329	No
						Lamc2	0.0271137	6.84315	7.97949	0.0281137	6.84415	7.92745423	0.00290302	No
						Lamp1	103.508	218.588	1.07847	103.509	218.589	1.07846459	0.00018329	No
						Lamp2	26.0437	61.3096	1.23518	26.0447	61.3106	1.2351467	0.00018329	No
						Lamtor1	59.9359	99.4061	0.729915	59.9369	99.4071	0.72990443	0.0101506	No
						Lamtor3	17.6462	29.6322	0.747804	17.6472	29.6332	0.74777513	0.00992433	No
						Lamtor4	62.2193	137.753	1.14665	62.2203	137.754	1.14663696	0.00018329	No
						Lap3	19.7709	39.1965	0.987346	19.7719	39.1975	0.98731013	0.00051281	No
						Laptm4a	100.346	266.183	1.40743	100.347	266.184	1.40742637	0.00018329	No
						Laptm5	655.126	148.448	-2.14182	655.127	148.449	-2.1418072	0.00018329	No
						Large	0.531443	6.11555	3.5245	0.532443	6.11655	3.52201915	0.00018329	No
						Larp1	50.1374	26.6784	-0.910214	50.1384	26.6794	-0.9101897	0.00210945	No
						Larp1b	33.9518	14.7229	-1.20543	33.9528	14.7239	-1.2053707	0.00018329	No
						Lars	33.4365	19.2305	-0.798028	33.4375	19.2315	-0.7979957	0.0018326	No
						LAS2	4.33434	1.02757	-2.07657	4.33534	1.02857	-2.0755052	0.00018329	No
						Layn	0.140341	0.966803	2.78428	0.141341	0.967803	2.77553339	0.00650199	No
						Lbp	0.0945111	5.89554	5.963	0.0955111	5.89654	5.94805643	0.00051281	No
						Lbr	69.7683	9.26003	-2.91348	69.7693	9.26103	-2.9133478	0.00018329	No
						Lcat	6.30373	24.3469	1.94946	6.30473	24.3479	1.94929085	0.00018329	No
						Lck	536.256	70.7903	-2.9213	536.257	70.7913	-2.9212806	0.00018329	No
						Lclat1	2.15348	8.15525	1.92106	2.15448	8.15625	1.92056629	0.00018329	No
						Lcn10	0	1.56159	inf	0.001	1.56259	10.6097236	0.00018329	No
						Lcn8	0	0.981082	inf	0.001	0.982082	9.93969968	0.00018329	No
						Lcor	8.19897	2.49597	-1.71584	8.19997	2.49697	-1.7154401	0.00018329	No
						Lcorl	3.77419	1.75551	-1.10428	3.77519	1.75651	-1.1038375	0.00937155	No
						Lcp1	411.479	66.7603	-2.62376	411.48	66.7613	-2.6237384	0.00018329	No
						Lcp2	98.1724	21.8288	-2.16908	98.1734	21.8298	-2.1690333	0.00018329	No
						Ldb1	264.801	41.8952	-2.66005	264.802	41.8962	-2.6600227	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ldb2	0	1.6815	inf	0.001	1.6825	10.7163908	0.00018329	No
						Ldhb	9.73455	952.162	6.61195	9.73555	952.163	6.61180227	0.00018329	No
						Ldhd	0.953609	29.1686	4.93487	0.954609	29.1696	4.93341185	0.00018329	No
						Ldlr	1.27111	7.37752	2.53704	1.27211	7.37852	2.53610804	0.00018329	No
						Ldlrad3	0.332675	1.27177	1.93465	0.333675	1.27277	1.93145623	0.0338104	No
						Ldlrap1	119.803	10.8591	-3.46369	119.804	10.8601	-3.4635668	0.00018329	No
						Lef1	221.42	13.6884	-4.01576	221.421	13.6894	-4.0156609	0.00018329	No
						Lekr1	0.261268	2.69245	3.36532	0.262268	2.69345	3.36034159	0.00822601	No
						Lemd3	11.3236	5.0511	-1.16467	11.3246	5.0521	-1.164505	0.00035173	No
						Leng8	174.63	50.6622	-1.78532	174.631	50.6632	-1.7852996	0.00018329	No
						Lepre1	4.95904	17.8394	1.84694	4.96004	17.8404	1.8467243	0.00018329	No
						Leprel1	0	24.3028	inf	0.001	24.3038	14.5688943	0.00018329	No
						Leprel2	0.185438	43.464	7.87274	0.186438	43.465	7.86501439	0.00018329	No
						Leprel4	0.341667	2.11835	2.63228	0.342667	2.11935	2.62874269	0.00082046	No
						Lfng	51.1373	6.90076	-2.88955	51.1383	6.90176	-2.889368	0.00018329	No
						Lgals1	595.507	259.134	-1.20042	595.508	259.135	-1.200417	0.00018329	No
						Lgals3	2.34022	105.741	5.49775	2.34122	105.742	5.4971442	0.00018329	No
						Lgals9	208.073	55.4832	-1.90696	208.074	55.4842	-1.9069478	0.00018329	No
						Lgmn	77.2707	164.659	1.09149	77.2717	164.66	1.09147809	0.00018329	No
						Lgr4	0.547251	25.077	5.51802	0.548251	25.078	5.51544195	0.00018329	No
						Lhfp	0.0722186	10.7534	7.21821	0.0732186	10.7544	7.19850113	0.012344	No
						Lhfpl1	0	0.771587	inf	0.001	0.772587	9.59355359	0.00018329	No
						Lhfpl2	0.0258311	3.77466	7.19109	0.0268311	3.77566	7.13667884	0.00709238	No
						Lias	4.49227	17.299	1.94517	4.49327	17.3	1.94493438	0.00018329	No
						Lifr	0.0352726	34.9708	9.95338	0.0362726	34.9718	9.91309618	0.00018329	No
						Lig4	42.7097	11.3548	-1.91126	42.7107	11.3558	-1.9111682	0.00018329	No
						Lilrb3	0.136139	1.1278	3.05036	0.137139	1.1288	3.04107908	0.00251301	No
						Lilrb3l	0.410391	3.0224	2.88062	0.411391	3.0234	2.87758972	0.00018329	No
						Lilrb4	1.74691	72.7566	5.3802	1.74791	72.7576	5.37939515	0.00018329	No
						Lilrc2	0.215977	1.57469	2.86611	0.216977	1.57569	2.8603697	0.0142025	No
						Lima1	0.371249	12.1264	5.02962	0.372249	12.1274	5.0258585	0.00018329	No
						Limch1	0	9.00186	inf	0.001	9.00286	13.1361677	0.00018329	No
						Limd2	852.783	63.6326	-3.74434	852.784	63.6336	-3.7443197	0.00018329	No
						Lims1	20.5419	10.2345	-1.00513	20.5429	10.2355	-1.0050583	0.00051281	No
						Lin54	5.05002	2.63268	-0.939755	5.05102	2.63368	-0.9394947	0.00342383	No
						Lins	1.38831	2.50852	0.85351	1.38931	2.50952	0.8530429	0.042303	No
						Liph	0.068933	20.1793	8.19346	0.069933	20.1803	8.17275851	0.0168685	No
						Lipt1	2.21631	1.02547	-1.11188	2.21731	1.02647	-1.111119	0.00914594	No
						Llph	141.682	72.1935	-0.972714	141.683	72.1945	-0.9727058	0.00111812	No
						Lman1	8.71598	22.2106	1.34951	8.71698	22.2116	1.34941302	0.00051281	No
						Lman2	81.8022	127.165	0.636488	81.8032	127.166	0.63648381	0.0388119	No
						Lman2l	9.63344	26.4784	1.45869	9.63444	26.4794	1.45859771	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lmcd1	0	9.54377	inf	0.001	9.54477	13.2204947	0.00018329	No
						Lmf1	7.69833	14.5518	0.918578	7.69933	14.5528	0.91849195	0.00845618	No
						Lmnb1	12.1758	6.53904	-0.896861	12.1768	6.54004	-0.8967637	0.00891798	No
						Lmo1	0	3.30673	inf	0.001	3.30773	11.6916258	0.00018329	No
						Lmo2	3.23765	19.4571	2.58728	3.23865	19.4581	2.58690637	0.00018329	No
						Lmo7	2.30267	29.9364	3.70052	2.30367	29.9374	3.69994296	0.00018329	No
						Lmtk2	2.83978	4.22888	0.574495	2.84078	4.22988	0.57432963	0.0481525	No
						Lnx2	14.1288	5.99118	-1.23773	14.1298	5.99218	-1.2375882	0.00018329	No
						Lonp1	38.0479	54.8682	0.528155	38.0489	54.8692	0.5281418	0.0420159	No
						Lonp2	22.7712	64.5347	1.50286	22.7722	64.5357	1.50282378	0.00035173	No
						Lox	0	0.767654	inf	0.001	0.768654	9.58619052	0.00018329	No
						Lpar3	0	1.1139	inf	0.001	1.1149	10.1226986	0.00018329	No
						Lpar6	51.2159	19.2826	-1.40929	51.2169	19.2836	-1.4092455	0.0110491	No
						Lpcat2	0.102344	7.29437	6.15528	0.103344	7.29537	6.14145461	0.00290302	No
						Lpcat4	18.9811	11.6019	-0.710209	18.9821	11.6029	-0.7101542	0.0194611	No
						Lphn1	10.472	4.51693	-1.21312	10.473	4.51793	-1.2129409	0.00018329	No
						Lphn2	0.0943319	6.85892	6.18409	0.0953319	6.85992	6.16908889	0.00018329	No
						Lphn3	0	0.613712	inf	0.001	0.614712	9.26376684	0.00018329	No
						Lpin1	24.23	7.31878	-1.72712	24.231	7.31978	-1.7269818	0.00111812	No
						Lpin2	3.19751	6.29656	0.977613	3.19851	6.29756	0.97739297	0.00111812	No
						Lpin3	12.458	24.6517	0.984613	12.459	24.6527	0.98455738	0.00140841	No
						Lpo	0	0.772684	inf	0.001	0.773684	9.59560063	0.00018329	No
						Lppr2	0.264696	0.732738	1.46896	0.265696	0.733738	1.4654885	0.0484218	No
						Lpxn	126.787	15.7703	-3.00713	126.788	15.7713	-3.0070447	0.00018329	No
						Lrch3	14.7718	7.56397	-0.965628	14.7728	7.56497	-0.965537	0.00082046	No
						Lrch4	69.5359	24.102	-1.5286	69.5369	24.103	-1.528566	0.00018329	No
						Lrguk	0.091268	1.39499	3.934	0.092268	1.39599	3.91931441	0.0178968	No
						Lrif1	8.67403	5.16421	-0.748155	8.67503	5.16521	-0.7480417	0.0472851	No
						Lrig1	46.887	5.45642	-3.10316	46.888	5.45742	-3.1029278	0.00018329	No
						Lrig2	9.18479	4.15385	-1.1448	9.18579	4.15485	-1.1446074	0.00251301	No
						LRIG3	0.178333	6.84548	5.26251	0.179333	6.84648	5.25464955	0.00051281	No
						Lrp1	0.143055	2.49006	4.12154	0.144055	2.49106	4.11206813	0.00018329	No
						Lrp10	41.9224	67.8718	0.695089	41.9234	67.8728	0.69507781	0.00811172	No
						Lrp12	0.196121	3.5194	4.16551	0.197121	3.5204	4.15858598	0.00018329	No
						Lrp5	1.85714	59.6986	5.00654	1.85814	59.6996	5.00579016	0.00018329	No
						Lrpap1	12.1467	64.8213	2.4159	12.1477	64.8223	2.41580703	0.00018329	No
						Lrrc1	10.3407	20.1542	0.962755	10.3417	20.1552	0.96267874	0.00197017	No
						Lrrc16b	0.0928896	1.34724	3.85835	0.0938896	1.34824	3.84396816	0.00458064	No
						Lrrc19	0.0544647	4.76752	6.45177	0.0554647	4.76852	6.42582788	0.0146209	No
						Lrrc24	10.7546	41.6741	1.9542	10.7556	41.6751	1.95409765	0.00018329	No
						Lrrc25	0.131988	6.20292	5.55447	0.132988	6.20392	5.54381211	0.00018329	No
						Lrrc31	0	0.693195	inf	0.001	0.694195	9.43919716	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lrrc34	21.3489	3.50736	-2.60571	21.3499	3.50836	-2.6053606	0.00018329	No
						Lrrc46	0.512034	1.70837	1.73831	0.513034	1.70937	1.73633836	0.0137692	No
						Lrrc48	0.0815461	1.88418	4.53018	0.0825461	1.88518	4.51335842	0.00018329	No
						Lrrc49	0.0344935	4.34816	6.97794	0.0354935	4.34916	6.93703813	0.00097029	No
						Lrrc51	0.210281	2.10593	3.32407	0.211281	2.10693	3.31790744	0.00432763	No
						Lrrc58	0.258695	5.12371	4.30786	0.259695	5.12471	4.30258022	0.00018329	No
						Lrrc59	16.8038	26.8022	0.673565	16.8048	26.8032	0.67353188	0.00981659	No
						Lrrc61	0.125425	1.85911	3.88972	0.126425	1.86011	3.87903426	0.00051281	No
						Lrrc66	0.0646476	6.39543	6.6283	0.0656476	6.39643	6.60638085	0.00126492	No
						Lrrc8a	31.6796	64.7434	1.03118	31.6806	64.7444	1.03115575	0.027785	No
						Lrrc8c	43.7876	6.21178	-2.81744	43.7886	6.21278	-2.8172445	0.00018329	No
						Lrrfip2	12.4886	31.0235	1.31276	12.4896	31.0245	1.31268069	0.00018329	No
						Lrrk1	0.292059	10.3828	5.15179	0.293059	10.3838	5.14699955	0.00018329	No
						Lrsam1	2.1729	15.3684	2.82228	2.1739	15.3694	2.82170336	0.00018329	No
						Lrtm2	0.0959906	0.849296	3.1453	0.0969906	0.850296	3.13204831	0.0026435	No
						Lrwd1	46.6815	14.917	-1.64589	46.6825	14.918	-1.6458277	0.0016929	No
						Lsm12	74.3104	49.8659	-0.57551	74.3114	49.8669	-0.575501	0.0272985	No
						Lsm14a	70.8764	31.2692	-1.18056	70.8774	31.2702	-1.1805372	0.00018329	No
						Lsm14b	47.993	18.9824	-1.33817	47.994	18.9834	-1.3381156	0.00018329	No
						Lsm5	165.837	82.464	-1.00793	165.838	82.465	-1.0079208	0.00018329	No
						LSP1	243.335	98.5386	-1.30418	243.336	98.5396	-1.3041743	0.00018329	No
						Lsr	1.76697	50.1547	4.82704	1.76797	50.1557	4.82624797	0.00066911	No
						Lta4h	15.6101	23.5557	0.593595	15.6111	23.5567	0.59356525	0.0418329	No
						Ltbp1	0.10227	6.34616	5.95543	0.10327	6.34716	5.94161809	0.00469886	No
						Ltbp4	0.348427	21.7068	5.96115	0.349427	21.7078	5.95707862	0.00018329	No
						Ltn1	17.6614	8.79296	-1.00618	17.6624	8.79396	-1.0060965	0.00329119	No
						Ltv1	25.1419	16.3572	-0.620165	25.1429	16.3582	-0.6201371	0.0342763	No
						Luc7l3	87.9725	44.6989	-0.976813	87.9735	44.6999	-0.9767974	0.00082046	No
						Lurap1	0	2.37699	inf	0.001	2.37799	11.2155269	0.00018329	No
						Ly49s7	1.49915	5.93866	1.986	1.50015	5.93966	1.98527359	0.00018329	No
						Ly6al	0.394114	9.22975	4.54961	0.395114	9.23075	4.546107	0.00018329	No
						Ly6c	352.91	143.306	-1.3002	352.911	143.307	-1.3001953	0.00051281	No
						Ly6e	702.75	182.519	-1.94497	702.751	182.52	-1.944959	0.00018329	No
						Ly6g6e	0	0.949278	inf	0.001	0.950278	9.89220582	0.00303839	No
						Ly6i	0.0283491	92.0092	11.6643	0.0293491	92.0102	11.6142618	0.0323887	No
						Ly75	6.91617	0.742456	-3.2196	6.91717	0.743456	-3.2178626	0.00018329	No
						Ly86	3.04934	16.5622	2.44132	3.05034	16.5632	2.44093946	0.00018329	No
						Ly9	73.7361	7.6215	-3.27423	73.7371	7.6225	-3.2740545	0.00018329	No
						Lyar	22.7087	12.6359	-0.845719	22.7097	12.6369	-0.8456661	0.0036827	No
						Lyl1	1.75648	16.1941	3.20471	1.75748	16.1951	3.2039772	0.0239196	No
						Lyn	3.47648	15.4374	2.15073	3.47748	15.4384	2.15040912	0.00018329	No
						Lynx1	0.602478	15.2742	4.66405	0.603478	15.2752	4.66174628	0.0102693	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lyplal1	0.735335	19.6601	4.74072	0.736335	19.6611	4.73883795	0.00018329	No
						Lyrn7	4.28147	12.3007	1.52256	4.28247	12.3017	1.52234265	0.00018329	No
						Lyrn9	5.30518	13.7	1.3687	5.30618	13.701	1.36853567	0.0100349	No
						Lysmd2	10.6342	5.13183	-1.05116	10.6352	5.13283	-1.0510208	0.00788539	No
						Lysmd3	5.55438	3.24503	-0.775393	5.55538	3.24603	-0.7752093	0.0128946	No
						Lyve1	0.0709246	1.50749	4.40972	0.0719246	1.50849	4.39047603	0.00051281	No
						Lyz2	42.6285	577.012	3.75871	42.6295	577.013	3.75867978	0.00018329	No
						Lzic	15.042	7.50105	-1.00383	15.043	7.50205	-1.0037355	0.00051281	No
						Lztf1	3.1856	12.338	1.95348	3.1866	12.339	1.95313564	0.00018329	No
						Lzts2	3.81777	21.3239	2.48167	3.81877	21.3249	2.48135904	0.00018329	No
						Mab21l3	0	4.87565	inf	0.001	4.87665	12.2516747	0.00018329	No
						Macrocl1	1.63258	60.133	5.20293	1.63358	60.134	5.20207191	0.00018329	No
						Mad1l1	14.8601	8.20849	-0.856259	14.8611	8.20949	-0.8561764	0.00959787	No
						Mad2l1	7.24477	3.50006	-1.04956	7.24577	3.50106	-1.0493472	0.010379	No
						Madd	37.526	18.1643	-1.04678	37.527	18.1653	-1.0467438	0.0016929	No
						Maea	40.4663	104.061	1.36263	40.4673	104.062	1.36261484	0.00018329	No
						Maf	5.74596	20.6946	1.84863	5.74696	20.6956	1.84845316	0.00018329	No
						Maf1	155.374	70.2907	-1.14434	155.375	70.2917	-1.1443281	0.00111812	No
						Maff	2.74104	5.22507	0.930723	2.74204	5.22607	0.93047683	0.0207821	No
						Mafg	2.6457	12.7864	2.27289	2.6467	12.7874	2.27245638	0.00018329	No
						Maged1	0.0395851	55.2811	10.4476	0.0405851	55.2821	10.4116465	0.00210945	No
						Maged2	4.45828	18.1551	2.02581	4.45928	18.1561	2.02557164	0.00018329	No
						Mageh1	1.95746	22.4724	3.52109	1.95846	22.4734	3.52042684	0.00018329	No
						Magi1	0.222264	10.5458	5.56825	0.223264	10.5468	5.56191088	0.00018329	No
						Magi3	3.83461	17.2458	2.1691	3.83561	17.2468	2.16880077	0.00018329	No
						Magix	0.0658573	12.0442	7.51479	0.0668573	12.0452	7.49315754	0.0438054	No
						Magoh	127.665	84.6367	-0.593006	127.666	84.6377	-0.593002	0.0337151	No
						Mak16	20.0337	10.804	-0.890867	20.0347	10.805	-0.8908018	0.0140981	No
						Mal2	0	33.0237	inf	0.001	33.0247	15.0112578	0.00018329	No
						Mall	0	1.40974	inf	0.001	1.41074	10.4622364	0.00018329	No
						Malsu1	13.7842	29.9571	1.11988	13.7852	29.9581	1.11982593	0.00224282	No
						Malt1	20.1006	5.19302	-1.95259	20.1016	5.19402	-1.9523869	0.00018329	No
						MAMDC2	0	2.02656	inf	0.001	2.02756	10.9855289	0.00018329	No
						Maml2	9.33526	1.94208	-2.26508	9.33626	1.94308	-2.2644994	0.00018329	No
						Man1a1	56.2473	4.39717	-3.67713	56.2483	4.39817	-3.6768342	0.00018329	No
						Man2a1	30.266	12.7808	-1.24372	30.267	12.7818	-1.2436547	0.00018329	No
						Manba	11.0565	28.3348	1.35769	11.0575	28.3358	1.35760069	0.00018329	No
						Manbal	30.6757	51.6556	0.751831	30.6767	51.6566	0.75180939	0.00788539	No
						Manea	1.29772	3.44569	1.40882	1.29872	3.44669	1.40812112	0.00018329	No
						Mansc1	0.0941548	9.62457	6.67554	0.0951548	9.62557	6.66045173	0.00018329	No
						Maoa	0.178036	8.53261	5.58275	0.179036	8.53361	5.57483456	0.00018329	No
						Maob	0.0562974	0.854852	3.92453	0.0572974	0.855852	3.90081976	0.0230128	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Map1lc3a	17.9967	103.793	2.5279	17.9977	103.794	2.52783859	0.00018329	No
						Map2k2	72.3537	130.865	0.854936	72.3547	130.866	0.85493168	0.00097029	No
						Map2k3	4.39185	11.9393	1.44281	4.39285	11.9403	1.44260994	0.00035173	No
						Map2k4	16.9903	9.02452	-0.912787	16.9913	9.02552	-0.9127143	0.0160313	No
						Map3k13	10.6878	6.20858	-0.783634	10.6888	6.20958	-0.7835323	0.0345543	No
						Map3k14	17.9309	5.10051	-1.81374	17.9319	5.10151	-1.8135321	0.00018329	No
						Map3k2	9.5883	4.84452	-0.98492	9.5893	4.84552	-0.984774	0.00393885	No
						Map3k5	13.6943	24.4391	0.835613	13.6953	24.4401	0.83556932	0.00458064	No
						Map3k8	8.36424	5.14635	-0.700684	8.36524	5.14735	-0.700577	0.0354586	No
						Map3k9	0.767251	2.47584	1.69015	0.768251	2.47684	1.68885103	0.00018329	No
						Map4k3	6.85231	38.4942	2.48998	6.85331	38.4952	2.48980571	0.00018329	No
						Map4k4	46.013	12.2276	-1.9119	46.014	12.2286	-1.9118136	0.00018329	No
						Map4k5	1.0042	6.76036	2.75105	1.0052	6.76136	2.74983089	0.00018329	No
						Map7	0.345644	21.9565	5.98922	0.346644	21.9575	5.9851152	0.00018329	No
						Map9	1.09738	1.85022	0.753631	1.09838	1.85122	0.75309909	0.0429385	No
						Mapk1	32.2475	19.7258	-0.709103	32.2485	19.7268	-0.7090751	0.0201703	No
						Mapk15	0.056453	1.16768	4.37045	0.057453	1.16868	4.34635392	0.0436248	No
						Mapk1ip1l	27.3606	14.5405	-0.912021	27.3616	14.5415	-0.9119765	0.00097029	No
						Mapk3	22.9001	49.7054	1.11805	22.9011	49.7064	1.11801472	0.00018329	No
						Mapk7	0.989014	2.89488	1.54944	0.990014	2.89588	1.54848099	0.00051281	No
						Mapk8	9.98021	4.60164	-1.11692	9.98121	4.60264	-1.1167531	0.00530972	No
						Mapk8ip1	0.23199	30.135	7.02123	0.23299	30.136	7.01507609	0.00018329	No
						Mapk8ip3	24.5061	13.5569	-0.854112	24.5071	13.5579	-0.854066	0.0026435	No
						Mapkbp1	6.00945	2.09798	-1.51823	6.01045	2.09898	-1.5177846	0.00018329	No
						Mapre1	68.5958	33.8207	-1.02021	68.5968	33.8217	-1.0201921	0.00018329	No
						Mapre2	55.6752	29.3239	-0.924959	55.6762	29.3249	-0.9249346	0.00051281	No
						Mapre3	3.08557	18.8527	2.61116	3.08657	18.8537	2.61077126	0.00018329	No
						Mapt	0.0566501	9.22135	7.34676	0.0576501	9.22235	7.3216675	0.00018329	No
						Marcks	0.882089	5.64897	2.67899	0.883089	5.64997	2.67761246	0.00018329	No
						Marcksl1	5.12678	24.8151	2.27509	5.12778	24.8161	2.27487013	0.00018329	No
						Marf1	20.1533	12.0437	-0.742738	20.1543	12.0447	-0.7426892	0.0248275	No
						Mark2	47.7902	23.8187	-1.00462	47.7912	23.8197	-1.0045897	0.00051281	No
						Mars	29.7371	62.2211	1.06514	29.7381	62.2221	1.06511461	0.0405279	No
						Marveld1	0.455949	7.47826	4.03576	0.456949	7.47926	4.03279048	0.00018329	No
						Mast2	5.41077	14.2348	1.39552	5.41177	14.2358	1.39535114	0.00018329	No
						Mast4	0.0116932	4.33004	8.53257	0.0126932	4.33104	8.41451386	0.0448123	No
						Mat2b	60.4015	36.4978	-0.726777	60.4025	36.4988	-0.7267592	0.00721079	No
						Matk	0.463538	4.70206	3.34253	0.464538	4.70306	3.33973122	0.00018329	No
						Matr3	111.684	42.4337	-1.39613	111.685	42.4347	-1.3961191	0.00018329	No
						MAU2	51.3268	24.3993	-1.07287	51.3278	24.4003	-1.0728415	0.0309526	No
						Mavs	5.90778	39.4109	2.73791	5.90878	39.4119	2.73769911	0.00018329	No
						Max	183.823	49.9627	-1.87939	183.824	49.9637	-1.8793729	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Maz	102.367	53.0582	-0.948105	102.368	53.0592	-0.94809	0.00097029	No
						Mbd4	4.77201	2.06062	-1.21152	4.77301	2.06162	-1.2111209	0.0326623	No
						Mbd5	3.76789	2.09061	-0.849834	3.76889	2.09161	-0.8495258	0.017174	No
						Mbip	11.003	5.98688	-0.878023	11.004	5.98788	-0.8779108	0.0121287	No
						Mbl1	0	2.80557	inf	0.001	2.80657	11.4545923	0.00018329	No
						Mbn1	373.502	63.6785	-2.55224	373.503	63.6795	-2.5522189	0.00018329	No
						Mbn2	11.8326	20.4695	0.790709	11.8336	20.4705	0.79065731	0.00674218	No
						Mbn3	3.26595	2.02006	-0.693105	3.26695	2.02106	-0.6928322	0.0194611	No
						Mboat1	1.76655	9.08222	2.36211	1.76755	9.08322	2.3614528	0.00018329	No
						Mboat2	0.0280769	15.9922	9.15377	0.0290769	15.9932	9.10336945	0.0371206	No
						Mboat7	6.78072	21.7588	1.68209	6.78172	21.7598	1.68194217	0.00018329	No
						MBP	73.9774	20.698	-1.83759	73.9784	20.699	-1.837543	0.00018329	No
						Mbtd1	19.009	6.80767	-1.48145	19.01	6.80867	-1.4813136	0.00018329	No
						Mbtps1	150.906	81.1928	-0.894227	150.907	81.1938	-0.8942183	0.0460943	No
						Mbtps2	7.69552	3.17625	-1.2767	7.69652	3.17725	-1.2764277	0.00018329	No
						Mcam	0.375514	4.81987	3.68206	0.376514	4.82087	3.67851811	0.00018329	No
						Mcart1l	42.2768	1.35255	-4.96611	42.2778	1.35355	-4.9650802	0.00018329	No
						Mccc2	4.07916	37.3095	3.1932	4.08016	37.3105	3.19288406	0.00018329	No
						Mcee	6.12277	75.6152	3.62642	6.12377	75.6162	3.62620335	0.00018329	No
						Mcf2l	0.779358	8.8698	3.50854	0.780358	8.8708	3.50685618	0.00018329	No
						Mcm2	14.8942	9.45711	-0.655275	14.8952	9.45811	-0.6552237	0.0318913	No
						Mcm3	35.1391	10.5077	-1.74163	35.1401	10.5087	-1.7415341	0.00018329	No
						Mcm4	11.919	6.03304	-0.982304	11.92	6.03404	-0.9821881	0.00066911	No
						Mcm6	19.7297	9.79715	-1.00993	19.7307	9.79815	-1.0098609	0.00035173	No
						Mcm7	42.6904	17.5212	-1.28481	42.6914	17.5222	-1.2847616	0.00097029	No
						Mcoln1	8.96759	24.2367	1.4344	8.96859	24.2377	1.43429971	0.00018329	No
						Mcts1	49.6245	29.9754	-0.727273	49.6255	29.9764	-0.7272545	0.0164547	No
						Mdfi	0	1.77739	inf	0.001	1.77839	10.796356	0.00018329	No
						Mdfic	1.13146	8.22963	2.86264	1.13246	8.23063	2.86154277	0.00018329	No
						Mdh1	111.23	518.098	2.21968	111.231	518.099	2.21966888	0.00018329	No
						Mdh2	124.334	274.407	1.1421	124.335	274.408	1.14209007	0.00018329	No
						Mdm2	29.1717	17.8419	-0.7093	29.1727	17.8429	-0.7092688	0.00937155	No
						Mdm4	73.7956	14.9834	-2.30017	73.7966	14.9844	-2.300093	0.00018329	No
						Mdn1	2.43793	0.148807	-4.03415	2.43893	0.149807	-4.0250714	0.00018329	No
						Mdp1	21.5107	10.2155	-1.07429	21.5117	10.2165	-1.0742205	0.00393885	No
						Me1	0.145519	20.9379	7.16877	0.146519	20.9389	7.15895408	0.00018329	No
						Me3	0	18.0122	inf	0.001	18.0132	14.1367669	0.00018329	No
						Mecom	0	44.1343	inf	0.001	44.1353	15.4296454	0.00018329	No
						Mecr	4.81843	12.407	1.36452	4.81943	12.408	1.36433616	0.00018329	No
						Med1	25.2017	11.5301	-1.12812	25.2027	11.5311	-1.1280482	0.00686277	No
						Med13	11.3216	5.33718	-1.08493	11.3226	5.33818	-1.0847854	0.00018329	No
						Med13l	9.13041	5.41913	-0.752619	9.13141	5.42013	-0.7525102	0.00469886	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Med15	61.0372	36.8581	-0.727707	61.0382	36.8591	-0.7276916	0.0316127	No
						Med18	45.442	15.6614	-1.53681	45.443	15.6624	-1.5367528	0.00140841	No
						Med22	4.68603	10.2865	1.13431	4.68703	10.2875	1.1341465	0.00277264	No
						Med25	58.9255	112.974	0.939032	58.9265	112.975	0.93901507	0.00290302	No
						Med26	4.99104	3.09424	-0.689757	4.99204	3.09524	-0.6895782	0.0385406	No
						Med29	47.6116	307.071	2.68919	47.6126	307.072	2.68916165	0.00018329	No
						Med31	26.2604	61.8367	1.23557	26.2614	61.8377	1.23554283	0.00018329	No
						Med9	3.2719	8.48647	1.37504	3.2729	8.48747	1.37476505	0.00018329	No
						Medag	0	8.66353	inf	0.001	8.66453	13.0809058	0.00018329	No
						Mef2a	18.0107	10.3633	-0.797377	18.0117	10.3643	-0.7973117	0.00342383	No
						Mef2c	0.772677	1.69552	1.13379	0.773677	1.69652	1.13277515	0.00777671	No
						Mef2d	35.8426	13.0369	-1.45908	35.8436	13.0379	-1.459004	0.00018329	No
						Mefv	0.207413	2.32117	3.48427	0.208413	2.32217	3.47795642	0.00197017	No
						Megf9	0.564474	2.33276	2.04706	0.565474	2.33376	2.04512361	0.00035173	No
						Meis3	18.8849	7.22384	-1.38639	18.8859	7.22484	-1.386272	0.00018329	No
						Melk	0.627549	5.88199	3.2285	0.628549	5.88299	3.22645246	0.00018329	No
						Memo1	76.4821	36.8765	-1.05242	76.4831	36.8775	-1.0524001	0.00051281	No
						Mertk	0	1.32727	inf	0.001	1.32827	10.3753327	0.00018329	No
						Mesdc2	23.9811	42.4459	0.82373	23.9821	42.4469	0.8237012	0.00238141	No
						Mest	0.136402	1.42337	3.38338	0.137402	1.42437	3.37384905	0.0217091	No
						Metrl	1.45519	30.2965	4.37987	1.45619	30.2975	4.37892824	0.00018329	No
						Mettl14	23.5255	15.0314	-0.64625	23.5265	15.0324	-0.6462113	0.0388119	No
						Mettl17	24.4835	13.0625	-0.906374	24.4845	13.0635	-0.9063273	0.00530972	No
						Mettl18	9.22664	3.08627	-1.57994	9.22764	3.08727	-1.5796301	0.00018329	No
						Mettl20	22.4371	13.6393	-0.718119	22.4381	13.6403	-0.7180751	0.0207821	No
						Mettl23	59.7106	26.8636	-1.15233	59.7116	26.8646	-1.1523049	0.00018329	No
						Mettl7a	12.8682	35.1671	1.45042	12.8692	35.1681	1.45034502	0.00018329	No
						Mettl8	45.5798	24.2137	-0.912569	45.5808	24.2147	-0.9125431	0.0115803	No
						Mettl9	20.0173	53.4607	1.41723	20.0183	53.4617	1.41718625	0.00018329	No
						Mex3d	1.0319	3.30841	1.68084	1.0329	3.30941	1.67987345	0.00111812	No
						Mfap1a	23.1198	14.4962	-0.673449	23.1208	14.4972	-0.673417	0.0221058	No
						Mfap3l	0.0442949	20.3301	8.84226	0.0452949	20.3311	8.81012394	0.00018329	No
						Mfng	52.2097	11.3799	-2.19783	52.2107	11.3809	-2.1977309	0.00018329	No
						Mfsd1	15.026	23.3996	0.639016	15.027	23.4006	0.6389885	0.0157085	No
						Mfsd7	0.264349	0.814737	1.62389	0.265349	0.815737	1.62021298	0.0252382	No
						Mga	13.9213	8.02585	-0.794567	13.9223	8.02685	-0.7944917	0.0345543	No
						Mgam	0.025794	32.407	10.2951	0.026794	32.408	10.2402243	0.00018329	No
						Mgat2	23.4843	12.2931	-0.933851	23.4853	12.2941	-0.9337919	0.00051281	No
						Mgat4b	5.43031	46.5026	3.09821	5.43131	46.5036	3.09797029	0.00018329	No
						MGC105567	6.3078	3.62682	-0.798433	6.3088	3.62782	-0.7982627	0.0233145	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						MGC108823	55.8032	17.0498	-1.71059	55.8042	17.0508	-1.7105343	0.00018329	No
						MGC112715	142.178	35.4192	-2.00509	142.179	35.4202	-2.0050641	0.00018329	No
						MGC112830	25.5938	17.2947	-0.565467	25.5948	17.2957	-0.5654373	0.0370313	No
						MGC94199	1.49067	9.41064	2.65833	1.49167	9.41164	2.65751773	0.00018329	No
						Mgea5	66.4812	36.6962	-0.857317	66.4822	36.6972	-0.8572981	0.0458374	No
						Mgll	0.109647	111.14	9.98529	0.110647	111.141	9.97221108	0.00018329	No
						Mgrn1	18.6744	46.4377	1.31423	18.6754	46.4387	1.31418844	0.00018329	No
						Mgst1	3.72435	118.045	4.98621	3.72535	118.046	4.98582937	0.00018329	No
						Mgst2	6.79086	19.1716	1.49731	6.79186	19.1726	1.49716737	0.00066911	No
						Mgst3	9.49463	276.101	4.86194	9.49563	276.102	4.86179381	0.00591487	No
						Mia3	31.1754	19.9116	-0.646802	31.1764	19.9126	-0.6467727	0.0224259	No
						Mib2	11.0945	18.477	0.735883	11.0955	18.478	0.73583393	0.0146209	No
						Mical1	115.264	45.8022	-1.33145	115.265	45.8032	-1.3314342	0.0166578	No
						Mical2	0.207432	2.13427	3.36303	0.208432	2.13527	3.35676981	0.00591487	No
						Mical3	2.34823	10.0532	2.098	2.34923	10.0542	2.09753842	0.00018329	No
						Micu1	7.64988	14.9137	0.96313	7.65088	14.9147	0.96303736	0.00097029	No
						Mid1	0.149989	2.97746	4.31116	0.150989	2.97846	4.30205123	0.00018329	No
						Mid1ip1	18.7239	56.4575	1.59229	18.7249	56.4585	1.59223279	0.00018329	No
						Mid2	0.230807	1.38488	2.585	0.231807	1.38588	2.57980631	0.00051281	No
						Midn	22.0678	38.9598	0.82004	22.0688	38.9608	0.82001512	0.0026435	No
						Mier1	50.5083	19.1544	-1.39884	50.5093	19.1554	-1.3987979	0.00051281	No
						Mif	397.489	640.723	0.688783	397.49	640.724	0.68878447	0.00822601	No
						Milr1	20.617	3.69853	-2.47881	20.618	3.69953	-2.4784905	0.00018329	No
						Minos1	217.845	508.917	1.22413	217.846	508.918	1.2241246	0.00018329	No
						Minpp1	4.64114	23.7794	2.35716	4.64214	23.7804	2.35691104	0.00018329	No
						Miox	0.0125096	648.235	15.6612	0.0135096	648.236	15.5502466	0.0106031	No
						Mipep	3.42898	18.4878	2.43073	3.42998	18.4888	2.43037952	0.00018329	No
						Mipol1	1.25431	4.24493	1.75885	1.25531	4.24593	1.7580369	0.00082046	No
						Mir101a	1.42806	0.551233	-1.37332	1.42906	0.552233	-1.3717175	0.0460114	No
						Mir101b	22.5617	12.3335	-0.871297	22.5627	12.3345	-0.8712405	0.00354878	No
						Mir150	9.45221	1.29933	-2.86289	9.45321	1.30033	-2.8619265	0.027785	No
						Mir186	68.549	21.8914	-1.64677	68.55	21.8924	-1.6467265	0.00018329	No
						Mir22	1.95542	10.6413	2.44412	1.95642	10.6423	2.44352195	0.00018329	No
						Mir221	0.689073	3.86727	2.48858	0.690073	3.86827	2.4868676	0.00380824	No
						Mir223	0.142993	1.9715	3.78528	0.143993	1.9725	3.77595472	0.0271125	No
						Mir632	110.576	64.9985	-0.766566	110.577	64.9995	-0.7665508	0.0248275	No
						Mis18bp1	8.12243	1.09055	-2.89686	8.12343	1.09155	-2.8957108	0.00018329	No
						Mitf	0.07742	13.6402	7.46094	0.07842	13.6412	7.4425332	0.00018329	No
						Mkl1	35.554	6.88847	-2.36776	35.555	6.88947	-2.3675875	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mknk1	23.6498	14.4026	-0.715495	23.6508	14.4036	-0.7154595	0.00981659	No
						Mknk2	108.454	49.8503	-1.12141	108.455	49.8513	-1.1213935	0.00018329	No
						Mkrn3	1.24651	0.426854	-1.54608	1.24751	0.427854	-1.5438609	0.0197773	No
						Mkx	0	0.783307	inf	0.001	0.784307	9.61527467	0.00018329	No
						Mlec	15.381	32.1906	1.06549	15.382	32.1916	1.06544119	0.00051281	No
						Mllt10	31.8686	13.6067	-1.22781	31.8696	13.6077	-1.2277577	0.00018329	No
						Mllt3	16.4103	5.27648	-1.63695	16.4113	5.27748	-1.6367684	0.00018329	No
						Mllt4	0.0435816	29.865	9.42052	0.0445816	29.866	9.38783992	0.00018329	No
						Mllt6	36.9412	17.7564	-1.05689	36.9422	17.7574	-1.0568494	0.00432763	No
						Mlxip	4.44439	1.77415	-1.32486	4.44539	1.77515	-1.3243691	0.00251301	No
						Mmachc	3.74503	8.80776	1.2338	3.74603	8.80876	1.23357649	0.00051281	No
						Mmadhc	18.9216	32.1775	0.76602	18.9226	32.1785	0.76598675	0.0106031	No
						Mmd	5.78709	11.4223	0.980945	5.78809	11.4233	0.98082022	0.0018326	No
						Mme	0	33.0336	inf	0.001	33.0346	15.0116903	0.00018329	No
						Mmp12	0	8.44603	inf	0.001	8.44703	13.0442285	0.00018329	No
						Mmp19	0.0521637	0.597799	3.51854	0.0531637	0.598799	3.49355839	0.0204738	No
						Mmp23	0	0.670323	inf	0.001	0.671323	9.39086326	0.00018329	No
						Mmp24	0.783819	6.32583	3.01266	0.784819	6.32683	3.01105096	0.00035173	No
						Mmp9	0.287643	0.769141	1.41897	0.288643	0.770141	1.41583637	0.0159271	No
						Mmrn2	0.431808	3.17712	2.87926	0.432808	3.17812	2.87637453	0.00018329	No
						Mnat1	37.0571	18.3703	-1.01237	37.0581	18.3713	-1.0123352	0.00290302	No
						Mnda	0.391766	5.20312	3.73131	0.392766	5.20412	3.72791228	0.00018329	No
						Mnf1	47.3936	111.45	1.23364	47.3946	111.451	1.23361496	0.00018329	No
						Mnt	9.94504	4.85042	-1.03587	9.94604	4.85142	-1.0357152	0.00035173	No
						Moap1	10.7487	32.1972	1.58277	10.7497	32.1982	1.58268364	0.00018329	No
						Mob1a	40.9943	17.0828	-1.26288	40.9953	17.0838	-1.2628296	0.00018329	No
						Mob2	61.4199	27.3877	-1.16518	61.4209	27.3887	-1.1651489	0.00018329	No
						Mob4	22.9858	13.6162	-0.755422	22.9868	13.6172	-0.7553756	0.00555427	No
						Mocos	0.190212	1.90549	3.32448	0.191212	1.90649	3.31767399	0.00018329	No
						Mocs1	6.75708	10.7635	0.671669	6.75808	10.7645	0.67159598	0.030375	No
						Mok	0.149037	10.072	6.07854	0.150037	10.073	6.06903129	0.0221058	No
						Mon2	42.5133	15.4947	-1.45614	42.5143	15.4957	-1.4560803	0.00066911	No
						Morc1	2.03012	0.241026	-3.0743	2.03112	0.242026	-3.0690415	0.00018329	No
						Morc3	54.9563	12.6383	-2.12049	54.9573	12.6393	-2.1203946	0.00018329	No
						MORF4L1	239.167	155.698	-0.619268	239.168	155.699	-0.6192647	0.0172708	No
						Morf4l2	47.213	83.1707	0.816893	47.214	83.1717	0.81687801	0.00082046	No
						Morn1	0.377014	4.1295	3.45328	0.378014	4.1305	3.44980486	0.00066911	No
						Mospd1	1.43593	2.97805	1.05238	1.43693	2.97905	1.05186256	0.00856745	No
						Mov10	89.1973	16.8976	-2.40018	89.1983	16.8986	-2.4001125	0.00018329	No
						MP68	307.354	560.241	0.866145	307.355	560.242	0.86614419	0.0181001	No
						Mpa2l	226.758	44.4463	-2.35102	226.759	44.4473	-2.3509921	0.00018329	No
						Mpc1	56.327	610.593	3.43831	56.328	610.594	3.43828926	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mpc2	50.7183	231.243	2.18883	50.7193	231.244	2.18880919	0.00051281	No
						Mpdu1	27.1683	55.0978	1.02007	27.1693	55.0988	1.0200435	0.00018329	No
						Mpdz	0	3.76906	inf	0.001	3.77006	11.8803718	0.00018329	No
						Mpeg1	0.261623	2.41963	3.20923	0.262623	2.42063	3.2043174	0.00018329	No
						Mphosph10	26.8934	12.1967	-1.14076	26.8944	12.1977	-1.1406967	0.00018329	No
						Mphosph6	27.9762	17.8461	-0.648593	27.9772	17.8471	-0.6485619	0.0483321	No
						Mphosph9	7.2854	1.64712	-2.14507	7.2864	1.64812	-2.1443849	0.0173814	No
						Mpp4	4.20463	1.27724	-1.71895	4.20563	1.27824	-1.7181632	0.0036827	No
						Mpp5	3.79453	10.0317	1.40257	3.79553	10.0327	1.40233666	0.00018329	No
						Mpp7	0.845116	4.4886	2.40904	0.846116	4.4896	2.40765954	0.00018329	No
						Mpped2	0.198376	3.45141	4.12088	0.199376	3.45241	4.11404015	0.00018329	No
						Mprip	25.4591	90.9045	1.83617	25.4601	90.9055	1.8361295	0.00018329	No
						Mpv17l	0.053552	8.12318	7.24496	0.054552	8.12418	7.2184463	0.0234164	No
						Mpv17l2	25.3315	47.7446	0.914408	25.3325	47.7456	0.91437833	0.00354878	No
						Mpzl1	3.73404	13.9277	1.89915	3.73504	13.9287	1.89886502	0.00018329	No
						Mpzl2	0.331031	10.8118	5.0295	0.332031	10.8128	5.02527841	0.00018329	No
						Mr1	10.666	1.2224	-3.12522	10.667	1.2234	-3.1241864	0.00018329	No
						Mrap2	6.04561	0.399196	-3.92072	6.04661	0.400196	-3.9173479	0.031236	No
						Mras	0.708933	21.8918	4.9486	0.709933	21.8928	4.94662979	0.00018329	No
						Mrc1	0.0223581	0.873831	5.28848	0.0233581	0.874831	5.22700951	0.0063852	No
						MRI	11.9003	4.01927	-1.56599	11.9013	4.02027	-1.5657549	0.0486948	No
						Mro	0	21.296	inf	0.001	21.297	14.3783626	0.00018329	No
						Mroh1	28.5156	61.0014	1.09709	28.5166	61.0024	1.09706402	0.0205807	No
						Mroh6	1.30409	3.91976	1.58772	1.30509	3.92076	1.58698403	0.00018329	No
						Mrpl10	20.8815	31.7384	0.604004	20.8825	31.7394	0.60398042	0.0286648	No
						mrpl11	32.5895	63.4507	0.961226	32.5905	63.4517	0.96120733	0.00251301	No
						Mrpl12	48.2347	189.872	1.97688	48.2357	189.873	1.97686156	0.00018329	No
						Mrpl13	46.8358	91.1183	0.96013	46.8368	91.1193	0.96011415	0.027893	No
						Mrpl15	34.9302	121.634	1.80001	34.9312	121.635	1.79997031	0.00018329	No
						Mrpl16	13.3187	37.0141	1.47462	13.3197	37.0151	1.47455234	0.00018329	No
						Mrpl2	25.7425	50.5375	0.973202	25.7435	50.5385	0.97317463	0.00111812	No
						Mrpl22	30.4153	65.2548	1.10129	30.4163	65.2558	1.10126147	0.00035173	No
						Mrpl27	49.7502	109.485	1.13795	49.7512	109.486	1.13794317	0.00035173	No
						Mrpl28	37.3959	75.8129	1.01956	37.3969	75.8139	1.0195437	0.00197017	No
						Mrpl3	21.856	37.1963	0.767126	21.857	37.1973	0.76710251	0.0076683	No
						Mrpl34	75.0847	123.262	0.715133	75.0857	123.263	0.71512973	0.0146209	No
						Mrpl36	42.5144	63.9598	0.589213	42.5154	63.9608	0.58920247	0.032482	No
						Mrpl40	6.60337	14.1871	1.10331	6.60437	14.1881	1.10318855	0.00035173	No
						Mrpl41	42.5366	68.0509	0.677909	42.5376	68.0519	0.6778968	0.0191514	No
						Mrpl42	55.909	95.9802	0.779657	55.91	95.9812	0.77964551	0.00591487	No
						MRPL48	27.8339	65.5929	1.23669	27.8349	65.5939	1.23666676	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mrpl49	12.4004	28.609	1.20608	12.4014	28.61	1.2060165	0.00018329	No
						Mrpl50	9.89852	22.907	1.2105	9.89952	22.908	1.21042103	0.0016929	No
						Mrpl51	6.44768	13.0861	1.02119	6.44868	13.0871	1.02106966	0.0133341	No
						Mrpl52	56.7146	94.7959	0.741106	56.7156	94.7969	0.74109427	0.0181001	No
						Mrpl54	69.0106	176.936	1.35834	69.0116	176.937	1.35832498	0.00018329	No
						Mrpl55	32.5505	57.0331	0.809122	32.5515	57.0341	0.80910072	0.0178968	No
						mrpl9	70.3842	47.4377	-0.569217	70.3852	47.4387	-0.5692076	0.0399588	No
						Mrps15	81.1752	35.4408	-1.19563	81.1762	35.4418	-1.1956049	0.00018329	No
						Mrps16	45.6716	128.144	1.4884	45.6726	128.145	1.48837636	0.02885	No
						Mrps18a	43.7512	97.547	1.15678	43.7522	97.548	1.15675673	0.00018329	No
						Mrps25	62.4358	107.93	0.789653	62.4368	107.931	0.78964079	0.00543198	No
						Mrps34	82.498	162.714	0.979907	82.499	162.715	0.97989872	0.0018326	No
						Mrps36	33.2912	84.1387	1.33763	33.2922	84.1397	1.33760247	0.00018329	No
						Mrps7	21.9986	53.0003	1.26859	21.9996	53.0013	1.26855045	0.0393915	No
						Mrvi1	0.16604	5.85211	5.13936	0.16704	5.85311	5.13093787	0.00018329	No
						Ms4a4c	182.181	12.465	-3.86942	182.182	12.466	-3.8693099	0.00018329	No
						Ms4a6b	275.429	22.0827	-3.64069	275.43	22.0837	-3.6406319	0.00018329	No
						Ms4a7	0	0.60358	inf	0.001	0.60458	9.23978944	0.00432763	No
						Msantd3	0	5.44711	inf	0.001	5.44811	12.4115401	0.00018329	No
						Msantd4	6.24326	11.5514	0.887691	6.24426	11.5524	0.88759009	0.00303839	No
						Msh2	28.7528	16.5231	-0.799215	28.7538	16.5241	-0.7991809	0.00277264	No
						Msi1	0	0.619919	inf	0.001	0.620919	9.27826127	0.00018329	No
						Msl1	58.1197	19.636	-1.56553	58.1207	19.637	-1.5654775	0.00018329	No
						Msl2	33.4287	12.7792	-1.38729	33.4297	12.7802	-1.38722	0.00035173	No
						Msl3l2	3.62216	1.19146	-1.60412	3.62316	1.19246	-1.6033076	0.00902869	No
						Msln	0	9.68626	inf	0.001	9.68726	13.2418729	0.00018329	No
						Mslnl	3.50042	1.53877	-1.18575	3.50142	1.53977	-1.1852253	0.0216117	No
						Msmo1	9.12129	30.9754	1.76381	9.12229	30.9764	1.76370155	0.00018329	No
						Msn	305.498	118.783	-1.36284	305.499	118.784	-1.3628271	0.00018329	No
						Msra	4.94504	61.2477	3.6306	4.94604	61.2487	3.63033341	0.00018329	No
						Mst4	67.9649	8.40146	-3.01608	67.9659	8.40246	-3.0159274	0.00018329	No
						Msx2	0	1.66107	inf	0.001	1.66207	10.6987654	0.00018329	No
						Mt1a	83.3966	1916.15	4.52208	83.3976	1916.151	4.52206158	0.00018329	No
						Mta3	45.5964	23.2193	-0.973595	45.5974	23.2203	-0.973565	0.0036827	No
						Mtap	14.1779	7.06141	-1.00562	14.1789	7.06241	-1.0055131	0.00615197	No
						Mtch1	95.1719	156.193	0.714722	95.1729	156.194	0.7147163	0.00591487	No
						Mtch2	35.3544	62.7661	0.828095	35.3554	62.7671	0.82807797	0.00097029	No
						Mtdh	23.0665	8.70493	-1.40589	23.0675	8.70593	-1.4057913	0.00251301	No
						Mtf2	14.1414	5.23658	-1.43323	14.1424	5.23758	-1.4330547	0.00018329	No
						Mtfmt	9.60787	23.0466	1.26226	9.60887	23.0476	1.26217784	0.00891798	No
						Mtfp1	1.78938	11.9865	2.74388	1.79038	11.9875	2.74319308	0.00018329	No
						Mthfd1l	12.8373	2.52231	-2.34753	12.8383	2.52331	-2.3470648	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mthfd2	56.8181	18.6558	-1.60672	56.8191	18.6568	-1.6066744	0.00018329	No
						Mthfr	0.570456	2.28508	2.00205	0.571456	2.28608	2.00016157	0.00303839	No
						Mtm1	6.96065	17.9668	1.36804	6.96165	17.9678	1.36791259	0.00018329	No
						Mtmr10	0.792872	9.38816	3.56568	0.793872	9.38916	3.56401777	0.00018329	No
						Mtmr11	0.234155	34.7641	7.21399	0.235155	34.7651	7.20788392	0.00018329	No
						MTMR12	15.7108	6.89441	-1.18826	15.7118	6.89541	-1.1881402	0.00018329	No
						Mtmr7	5.63136	17.3455	1.62301	5.63236	17.3465	1.62283315	0.0115803	No
						Mtor	9.9682	21.0087	1.07558	9.9692	21.0097	1.07550592	0.0219099	No
						Mtpap	17.3513	9.31993	-0.896652	17.3523	9.32093	-0.8965811	0.0335274	No
						Mtrf1	1.41741	8.3583	2.55995	1.41841	8.3593	2.55910752	0.00018329	No
						Mtrr	11.1156	5.77209	-0.945423	11.1166	5.77309	-0.9453	0.017077	No
						Mtss1l	0.0433058	2.74791	5.98763	0.0443058	2.74891	5.95522029	0.027785	No
						Mtus1	0.920597	8.67645	3.23646	0.921597	8.67745	3.23506322	0.00018329	No
						Muc1	0.48197	85.0217	7.46274	0.48297	85.0227	7.45977069	0.00018329	No
						Muc6	7.22378	0.871089	-3.05186	7.22478	0.872089	-3.0504064	0.00018329	No
						Mum1	35.0063	19.7994	-0.822157	35.0073	19.8004	-0.8221262	0.00329119	No
						Mut	6.49564	22.0501	1.76324	6.49664	22.0511	1.76308496	0.00018329	No
						Mutyh	27.3071	7.38164	-1.88726	27.3081	7.38264	-1.8871202	0.00506686	No
						Mvb12a	25.366	79.8438	1.65429	25.367	79.8448	1.65424554	0.00018329	No
						Mx1	130.052	15.4133	-3.07684	130.053	15.4143	-3.0767584	0.00018329	No
						Mxd3	0.246514	1.53348	2.63707	0.247514	1.53448	2.63216781	0.0113722	No
						Mxi1	19.4398	44.519	1.1954	19.4408	44.52	1.195366	0.00018329	No
						Mxra7	0.899426	13.0861	3.86289	0.900426	13.0871	3.86139392	0.00018329	No
						Mxra8	0.252048	3.98283	3.98202	0.253048	3.98383	3.97667311	0.00018329	No
						Myb	18.4148	4.06379	-2.17997	18.4158	4.06479	-2.1796913	0.00018329	No
						Mybbp1a	27.2067	15.6533	-0.797499	27.2077	15.6543	-0.797456	0.0302128	No
						Mybl2	0.33969	0.874744	1.36464	0.34069	0.875744	1.3620496	0.00914594	No
						Myc	82.8704	44.9111	-0.883785	82.8714	44.9121	-0.8837701	0.00251301	No
						Mycbp	18.8774	42.9453	1.18584	18.8784	42.9463	1.18579735	0.0367562	No
						Mycbp2	48.2111	10.3275	-2.22288	48.2121	10.3285	-2.2227645	0.00018329	No
						Mycbpap	0.0570237	5.95905	6.70738	0.0580237	5.96005	6.68253833	0.0147272	No
						Myd88	28.5613	18.2002	-0.650109	28.5623	18.2012	-0.6500786	0.0168685	No
						Myeov2	135.377	254.264	0.909343	135.378	254.265	0.90933958	0.00097029	No
						Myh1	0	2.60115	inf	0.001	2.60215	11.3454884	0.00018329	No
						Myh7b	0.0626634	14.5181	7.85601	0.0636634	14.5191	7.8332721	0.00154856	No
						Myl12a	178.936	314.937	0.815621	178.937	314.938	0.81561611	0.0018326	No
						Myl12b	589.502	311.717	-0.919258	589.503	311.718	-0.9192577	0.00140841	No
						Myl3	0	0.856366	inf	0.001	0.857366	9.7437674	0.00018329	No
						Myl9	3.31795	20.0652	2.59633	3.31895	20.0662	2.59596863	0.00018329	No
						Mylip	57.326	13.0175	-2.13873	57.327	13.0185	-2.1386516	0.00018329	No
						Mylk	0.315355	12.0545	5.25645	0.316355	12.0555	5.25200328	0.00018329	No
						Mynn	8.27288	2.93458	-1.49524	8.27388	2.93558	-1.4949185	0.00035173	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Myo10	1.46735	13.4972	3.20137	1.46835	13.4982	3.20049924	0.00018329	No
						MYO18A	5.45842	30.4653	2.48061	5.45942	30.4663	2.48039471	0.00018329	No
						Myo1d	0.506497	28.8634	5.83254	0.507497	28.8644	5.82974813	0.00018329	No
						Myo1e	0.5896	18.3669	4.96123	0.5906	18.3679	4.95886153	0.00018329	No
						Myo1f	20.8145	52.1086	1.32393	20.8155	52.1096	1.32389097	0.00650199	No
						Myo1g	71.0843	32.465	-1.13065	71.0853	32.466	-1.1306216	0.00018329	No
						Myo5c	3.04485	21.2742	2.80467	3.04585	21.2752	2.80425589	0.00018329	No
						Myo6	0.101797	35.4208	8.44276	0.102797	35.4218	8.42869555	0.00018329	No
						Myo9a	2.35657	4.65564	0.982291	2.35757	4.65664	0.98198875	0.00111812	No
						Myo9b	76.7531	37.4262	-1.03618	76.7541	37.4272	-1.0361567	0.0063852	No
						Myof	0.242524	32.4125	7.06228	0.243524	32.4135	7.05638704	0.00018329	No
						Myrf	0.213011	2.66533	3.64531	0.214011	2.66633	3.63909849	0.00082046	No
						Mysm1	15.5784	5.97471	-1.38261	15.5794	5.97571	-1.3824576	0.00018329	No
						Mzf1	0.659724	2.58876	1.97233	0.660724	2.58976	1.97069875	0.00018329	No
						Mzt2b	22.7985	12.6828	-0.846072	22.7995	12.6838	-0.8460152	0.00981659	No
						N4bp2	212.832	32.7526	-2.70003	212.833	32.7536	-2.6999965	0.00018329	No
						N4bp2l1	19.3941	3.00465	-2.69034	19.3951	3.00565	-2.6899433	0.00018329	No
						N4bp2l2	57.2215	24.7227	-1.21072	57.2225	24.7237	-1.2106879	0.00018329	No
						N6amt1	9.71258	25.9134	1.41577	9.71358	25.9144	1.41567898	0.00035173	No
						Naa15	14.467	6.98525	-1.05039	14.468	6.98625	-1.0502753	0.00018329	No
						Naa16	25.7275	9.43384	-1.44739	25.7285	9.43484	-1.4472974	0.00018329	No
						Naa20	27.465	51.6615	0.911493	27.466	51.6625	0.91147064	0.00097029	No
						Naa25	8.47485	3.20029	-1.40499	8.47585	3.20129	-1.4047047	0.00018329	No
						Naa38	69.2555	38.3762	-0.851719	69.2565	38.3772	-0.8517	0.00709238	No
						Naa40	3.48338	6.19624	0.830904	3.48438	6.19724	0.83072387	0.0374939	No
						Naaa	3.23982	6.26376	0.951117	3.24082	6.26476	0.95090035	0.0186283	No
						Naca	2010.23	828.706	-1.27843	2010.231	828.707	-1.2784273	0.00018329	No
						Nadk2	19.7489	9.37571	-1.07477	19.7499	9.37671	-1.0746916	0.00018329	No
						Naga	6.73108	41.5508	2.62597	6.73208	41.5518	2.62578675	0.00018329	No
						Nagk	6.08447	20.8962	1.78004	6.08547	20.8972	1.77986905	0.0063852	No
						Naglt1	0.0831257	13.4529	7.33841	0.0841257	13.4539	7.32126212	0.0146209	No
						Naglu	3.12852	9.15288	1.54875	3.12952	9.15388	1.54844198	0.00018329	No
						Nampt	8.49167	33.065	1.96118	8.49267	33.066	1.96105844	0.00018329	No
						Nanos1	1.09136	0	-inf	1.09236	0.001	-10.093233	0.00018329	No
						Nanos3	0	6.80452	inf	0.001	6.80552	12.7324897	0.00018329	No
						Nans	20.9447	44.2537	1.07921	20.9457	44.2547	1.07917658	0.00035173	No
						Nap1l1	456.446	71.9708	-2.66496	456.447	71.9718	-2.6649437	0.00018329	No
						Nap1l2	0.101212	1.38975	3.77938	0.102212	1.39075	3.76622662	0.0329503	No
						Nap1l3	0	3.22294	inf	0.001	3.22394	11.6546092	0.00018329	No
						Nap1l4	77.9238	33.6397	-1.2119	77.9248	33.6407	-1.2118748	0.00018329	No
						Naprt1	0.542608	79.63	7.19726	0.543608	79.631	7.19461968	0.00018329	No
						Nars	46.4832	29.0842	-0.676474	46.4842	29.0852	-0.6764552	0.00937155	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nasp	39.6043	20.0444	-0.982462	39.6053	20.0454	-0.9824223	0.00380824	No
						Nat8b	15.9348	44.3166	1.47566	15.9358	44.3176	1.47560831	0.010379	No
						Nav1	1.37796	2.9205	1.08368	1.37896	2.9215	1.08312868	0.0261426	No
						Nbea	0.00753418	5.33548	9.46795	0.00853418	5.33648	9.28842018	0.00393885	No
						Nbeal1	1.19397	2.26979	0.926799	1.19497	2.27079	0.92621989	0.00140841	No
						Nbl1	0.0875431	42.5655	8.92548	0.0885431	42.5665	8.90912287	0.00018329	No
						Ncald	3.42461	5.52829	0.690896	3.42561	5.52929	0.69073333	0.0301202	No
						Ncam1	0	9.02167	inf	0.001	9.02267	13.1393387	0.00018329	No
						Ncapd3	3.56981	2.06107	-0.792456	3.57081	2.06207	-0.7921581	0.0178968	No
						Ncapg2	1.53067	0.744319	-1.04017	1.53167	0.745319	-1.0391756	0.0228125	No
						Ncaph2	27.7246	14.236	-0.961625	27.7256	14.237	-0.9615735	0.0108214	No
						Ncbp2	35.317	20.0101	-0.819635	35.318	20.0111	-0.8196032	0.00354878	No
						Nceh1	4.87431	8.29509	0.767062	4.87531	8.29609	0.76693759	0.0422061	No
						Ncf1	5.79335	18.4968	1.67481	5.79435	18.4978	1.67463496	0.00018329	No
						Ncf2	1.73846	5.32686	1.61548	1.73946	5.32786	1.61491667	0.00066911	No
						Nck1	31.8419	14.0706	-1.17825	31.8429	14.0716	-1.1781854	0.00018329	No
						Nckap1	0.743897	50.0149	6.07111	0.744897	50.0159	6.06920204	0.00018329	No
						Nckap5	0	1.85068	inf	0.001	1.85168	10.8546191	0.00018329	No
						Ncl	278.285	140.586	-0.985114	278.286	140.587	-0.9851051	0.00051281	No
						Ncln	121.435	63.9229	-0.925783	121.436	63.9239	-0.9257688	0.0016929	No
						Ncoa2	14.3769	4.87695	-1.5597	14.3779	4.87795	-1.5595061	0.00018329	No
						Ncoa3	41.3186	9.50418	-2.12016	41.3196	9.50518	-2.1200404	0.00018329	No
						Ncoa4	25.2113	42.4229	0.750773	25.2123	42.4239	0.75074952	0.00744054	No
						Ncoa6	11.0592	7.08163	-0.64309	11.0602	7.08263	-0.6430204	0.0228125	No
						Ndc1	5.41334	2.99398	-0.854456	5.41434	2.99498	-0.8542391	0.0107084	No
						Ndrg1	11.9903	214.584	4.1616	11.9913	214.585	4.16148925	0.00018329	No
						Ndrg2	3.32821	49.742	3.90165	3.32921	49.743	3.90124174	0.00018329	No
						Ndst1	0.0794942	27.9191	8.45619	0.0804942	27.9201	8.43820356	0.00018329	No
						Ndufa1	327.127	602.933	0.882146	327.128	602.934	0.88214484	0.00082046	No
						Ndufa10	44.2533	83.9144	0.923134	44.2543	83.9154	0.92311795	0.00035173	No
						Ndufa11	105.413	496.417	2.2355	105.414	496.418	2.23548894	0.00018329	No
						Ndufa12	97.6194	343.387	1.8146	97.6204	343.388	1.81458506	0.00018329	No
						Ndufa13	178.643	561.323	1.65175	178.644	561.324	1.65174628	0.00018329	No
						Ndufa2	78.9837	229.813	1.54083	78.9847	229.814	1.54082156	0.00018329	No
						Ndufa3	146.416	359.991	1.29789	146.417	359.992	1.29788178	0.00018329	No
						Ndufa4	227.352	763.97	1.74859	227.353	763.971	1.74858383	0.00018329	No
						Ndufa4l2	0	1.48815	inf	0.001	1.48915	10.5402734	0.00981659	No
						Ndufa5	61.4976	338.274	2.45959	61.4986	338.275	2.45957109	0.00018329	No
						Ndufa6	200.439	404.29	1.01223	200.44	404.291	1.01222364	0.00018329	No
						Ndufa8	69.4422	147.669	1.08848	69.4432	147.67	1.08847143	0.00018329	No
						Ndufa9	66.3086	174.288	1.39421	66.3096	174.289	1.39419186	0.00018329	No
						Ndufab1	85.448	302.983	1.82612	85.449	302.984	1.8261061	0.00140841	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ndufaf1	2.70136	7.17169	1.40863	2.70236	7.17269	1.4082944	0.00051281	No
						Ndufaf4	30.2686	14.2255	-1.08934	30.2696	14.2265	-1.0892888	0.00018329	No
						Ndufaf5	12.9742	29.6722	1.19346	12.9752	29.6732	1.19340374	0.00051281	No
						Ndufaf6	3.91055	9.01478	1.20492	3.91155	9.01578	1.20471191	0.030858	No
						Ndufb10	165.879	390.324	1.23454	165.88	390.325	1.23453592	0.00018329	No
						Ndufb11	215.554	347.689	0.689747	215.555	347.69	0.68974555	0.00709238	No
						Ndufb2	164.683	401.82	1.28686	164.684	401.821	1.28685257	0.00018329	No
						Ndufb3	76.67	254.163	1.72902	76.671	254.164	1.7290068	0.00018329	No
						Ndufb4	177.276	508.559	1.52042	177.277	508.56	1.52041262	0.00018329	No
						Ndufb5	61.8318	194.691	1.65476	61.8328	194.692	1.65474936	0.00018329	No
						Ndufb6	87.9288	271.712	1.62767	87.9298	271.713	1.6276595	0.00018329	No
						Ndufb7	78.531	426.26	2.4404	78.532	426.261	2.44038452	0.00018329	No
						Ndufb8	174.947	418.614	1.2587	174.948	418.615	1.25869784	0.00018329	No
						Ndufb9	135.993	569.047	2.06502	135.994	569.048	2.06500735	0.00051281	No
						Ndufc1	52.0272	241.877	2.21693	52.0282	241.878	2.21691385	0.00018329	No
						Ndufc2	122.041	277.006	1.18255	122.042	277.007	1.18254471	0.00018329	No
						Ndufs1	19.8127	85.9894	2.11773	19.8137	85.9904	2.11767729	0.00018329	No
						Ndufs2	65.0284	233.877	1.84661	65.0294	233.878	1.84659214	0.00018329	No
						Ndufs3	61.3044	249.106	2.0227	61.3054	249.107	2.0226795	0.00018329	No
						Ndufs4	22.9492	54.8183	1.25621	22.9502	54.8193	1.25617718	0.00018329	No
						Ndufs5	113.598	335.451	1.56217	113.599	335.452	1.56215621	0.00018329	No
						Ndufs7	137.197	454.774	1.72891	137.198	454.775	1.7288935	0.00018329	No
						Ndufs8	72.3437	279.308	1.94892	72.3447	279.309	1.94890283	0.00018329	No
						Ndufv1	84.399	227.907	1.43314	84.4	227.908	1.43313666	0.00018329	No
						Ndufv2	100.866	368.125	1.86776	100.867	368.126	1.86774539	0.00018329	No
						NDUFV3	16.0132	144.283	3.17157	16.0142	144.284	3.17148769	0.00251301	No
						Necap2	57.2152	35.4743	-0.689626	57.2162	35.4753	-0.6896088	0.0122333	No
						Nedd1	4.52363	2.16554	-1.06275	4.52463	2.16654	-1.0624069	0.0026435	No
						Nedd4	37.432	58.2548	0.638106	37.433	58.2558	0.63809102	0.0301202	No
						Nedd4l	1.43454	24.8678	4.11562	1.43554	24.8688	4.11467146	0.00018329	No
						Nek3	5.68339	18.869	1.73119	5.68439	18.87	1.73101698	0.00111812	No
						Nek4	1.1696	2.95391	1.33661	1.1706	2.95491	1.33586601	0.00126492	No
						NEK6	3.40053	9.32652	1.45558	3.40153	9.32752	1.45530974	0.00035173	No
						Nek7	62.8396	29.9372	-1.06974	62.8406	29.9382	-1.0697095	0.00018329	No
						Nek8	4.17058	10.7487	1.36584	4.17158	10.7497	1.36563058	0.00018329	No
						Nelfa	24.248	14.7026	-0.721796	24.249	14.7036	-0.7217558	0.0106031	No
						Nelfe	17.1908	34.3444	0.998441	17.1918	34.3454	0.99839628	0.00051281	No
						Nemf	31.15	13.3301	-1.22455	31.151	13.3311	-1.2244826	0.00018329	No
						Nenf	7.62703	70.2254	3.2028	7.62803	70.2264	3.20263106	0.00018329	No
						Neo1	0.434093	13.5737	4.96667	0.435093	13.5747	4.9634527	0.00018329	No
						Net1	5.4366	50.3428	3.21101	5.4376	50.3438	3.21077218	0.00018329	No
						Neto2	0.897932	5.15089	2.52014	0.898932	5.15189	2.5188179	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Neur1b	0	4.23131	inf	0.001	4.23231	12.0472296	0.00018329	No
						Neur13	59.5166	36.9152	-0.689078	59.5176	36.9162	-0.6890623	0.0230128	No
						Nexn	0.378865	1.33922	1.82164	0.379865	1.34022	1.81891115	0.00822601	No
						Nfam1	0.482465	6.61451	3.77714	0.483465	6.61551	3.77436902	0.00018329	No
						Nfat5	13.0276	49.2084	1.91734	13.0286	49.2094	1.91725186	0.00018329	No
						Nfatc1	45.8547	10.5314	-2.12238	45.8557	10.5324	-2.1222669	0.00018329	No
						Nfatc2	8.81543	3.50986	-1.32862	8.81643	3.51086	-1.3283701	0.00018329	No
						Nfatc2ip	5.30893	2.38043	-1.1572	5.30993	2.38143	-1.1568647	0.00082046	No
						Nfatc3	52.7979	6.64224	-2.99074	52.7989	6.64324	-2.9905489	0.00018329	No
						Nfe2	0.711299	2.47088	1.7965	0.712299	2.47188	1.79505384	0.00277264	No
						NFE2L1	10.334	43.9561	2.08866	10.335	43.9571	2.08855782	0.00018329	No
						Nfe2l2	8.29406	43.7788	2.40008	8.29506	43.7798	2.39994104	0.00686277	No
						Nfia	1.70797	4.26444	1.32008	1.70897	4.26544	1.3195675	0.0302128	No
						Nfib	0	3.33065	inf	0.001	3.33165	11.7020211	0.00018329	No
						Nfic	4.15042	13.1238	1.66086	4.15142	13.1248	1.66061864	0.00018329	No
						Nfil3	2.31349	13.8542	2.58218	2.31449	13.8552	2.5816613	0.00018329	No
						Nfkb2	11.9583	24.1108	1.01167	11.9593	24.1118	1.01160641	0.00530972	No
						Nfkbid	4.2709	8.52343	0.996896	4.2719	8.52443	0.99672549	0.0031651	No
						Nfkbiz	20.8304	37.2443	0.838328	20.8314	37.2453	0.83829858	0.00303839	No
						Nfrkb	49.5062	9.92182	-2.31893	49.5072	9.92282	-2.3188163	0.00018329	No
						Nfs1	15.5745	54.3038	1.80187	15.5755	54.3048	1.80180125	0.00018329	No
						Nfx1	17.3851	7.26601	-1.25862	17.3861	7.26701	-1.2585006	0.00018329	No
						Nfxl1	13.1536	6.40558	-1.03806	13.1546	6.40658	-1.0379411	0.0378663	No
						Nfyb	20.1288	10.2205	-0.977787	20.1298	10.2215	-0.9777259	0.0301202	No
						Ngdn	80.1997	47.1795	-0.765439	80.2007	47.1805	-0.7654241	0.0104928	No
						Ngef	0.0684488	2.02455	4.88643	0.0694488	2.02555	4.86622012	0.00082046	No
						Ngfrap1	67.1441	169.732	1.33793	67.1451	169.733	1.33791306	0.00018329	No
						Ngly1	40.654	24.0876	-0.755107	40.655	24.0886	-0.7550822	0.00354878	No
						NGRN	45.1507	27.9391	-0.692465	45.1517	27.9401	-0.6924431	0.0246265	No
						Nhej1	10.4557	4.43212	-1.23821	10.4567	4.43312	-1.2380333	0.0018326	No
						Nhlrc3	20.7958	10.1393	-1.03633	20.7968	10.1403	-1.0362612	0.00469886	No
						Nhp2	28.354	13.2731	-1.09505	28.355	13.2741	-1.0949891	0.00329119	No
						Nhp2l1	127.838	60.6149	-1.07657	127.839	60.6159	-1.0765599	0.00018329	No
						Nhsl1	0.355232	2.30443	2.69758	0.356232	2.30543	2.69414684	0.00018329	No
						Nid1	0	6.35679	inf	0.001	6.35779	12.6343096	0.00018329	No
						Nid2	0.0620266	82.2503	10.3729	0.0630266	82.2513	10.3498619	0.00018329	No
						Nim1	0.277427	1.18149	2.09043	0.278427	1.18249	2.08645696	0.0188386	No
						Ninj1	5.99628	153.424	4.67731	5.99728	153.425	4.67708144	0.00018329	No
						Nip7	29.4954	14.2358	-1.05097	29.4964	14.2368	-1.050914	0.00051281	No
						Nipal1	24.7449	1.81607	-3.76824	24.7459	1.81707	-3.7675036	0.00018329	No
						Nipal2	8.91637	39.6861	2.1541	8.91737	39.6871	2.15397996	0.00018329	No
						Nipbl	33.0792	11.1464	-1.56935	33.0802	11.1474	-1.5692607	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nipsnap1	21.4475	32.8383	0.614572	21.4485	32.8393	0.61454662	0.0316127	No
						Nit1	46.8686	118.316	1.33595	46.8696	118.317	1.33593299	0.00018329	No
						Nit2	48.3883	114.862	1.24717	48.3893	114.863	1.24715417	0.0066167	No
						Nkain1	10.9203	1.96972	-2.47095	10.9213	1.97072	-2.4703499	0.00018329	No
						Nkain4	0	9.26201	inf	0.001	9.26301	13.1772654	0.00018329	No
						Nkap	24.2543	8.35166	-1.53811	24.2553	8.35266	-1.5379924	0.00018329	No
						Nkd2	0.971552	5.67694	2.54675	0.972552	5.67794	2.54552031	0.00018329	No
						NKIRAS1	4.62293	2.02355	-1.19192	4.62393	2.02455	-1.1915183	0.0183081	No
						Nkpd1	0.0358324	0.534791	3.89964	0.0368324	0.535791	3.86262304	0.0495248	No
						Nktr	23.0755	9.54739	-1.27318	23.0765	9.54839	-1.273095	0.00018329	No
						Nle1	19.4462	9.83787	-0.983068	19.4472	9.83887	-0.9829979	0.00140841	No
						Nlgn2	0.134076	1.22967	3.19715	0.135076	1.23067	3.18760069	0.00051281	No
						Nlk	20.3634	5.96663	-1.77099	20.3644	5.96763	-1.7708193	0.00018329	No
						Nlrc4	0.106109	0.654224	2.62423	0.107109	0.655224	2.61290849	0.00380824	No
						Nlrc5	77.7443	20.1706	-1.94648	77.7453	20.1716	-1.9464299	0.00018329	No
						Nlrp1a	20.8118	3.43738	-2.59802	20.8128	3.43838	-2.5976702	0.00018329	No
						Nlrp3	0.189864	0.81325	2.09873	0.190864	0.81425	2.0929268	0.00290302	No
						Nlrx1	0.723125	10.0003	3.78965	0.724125	10.0013	3.78780497	0.00018329	No
						Nmd3	37.77	23.2401	-0.700623	37.771	23.2411	-0.7006006	0.010379	No
						Nme2	421.522	673.319	0.675682	421.523	673.32	0.67568097	0.0111567	No
						NME4	4.80674	34.3829	2.83856	4.80774	34.3839	2.83830241	0.00018329	No
						Nme5	0	0.965428	inf	0.001	0.966428	9.91651844	0.00018329	No
						Nme6	3.15423	14.5637	2.20702	3.15523	14.5647	2.20665891	0.00018329	No
						Nmi	112.746	42.683	-1.40134	112.747	42.684	-1.4013218	0.00018329	No
						Nmnat1	5.6167	12.7563	1.18342	5.6177	12.7573	1.18327154	0.00018329	No
						Nmnat3	0.263984	5.4732	4.37386	0.264984	5.4742	4.36867099	0.00018329	No
						Nmral1	5.08349	10.7761	1.08395	5.08449	10.7771	1.08379404	0.00856745	No
						Nmrk1	0.744259	13.1898	4.14748	0.745259	13.1908	4.14564636	0.00018329	No
						Nmt2	2.50608	6.48881	1.37252	2.50708	6.48981	1.37216821	0.00018329	No
						Nnmt	0	1.58507	inf	0.001	1.58607	10.6312407	0.00018329	No
						Nnt	9.19121	60.4621	2.71771	9.19221	60.4631	2.71757129	0.00018329	No
						Noa1	10.0201	5.1073	-0.972266	10.0211	5.1083	-0.9721257	0.00481718	No
						Noc3l	14.9577	7.39946	-1.0154	14.9587	7.40046	-1.0152979	0.00066911	No
						Nod1	3.08966	5.49964	0.831887	3.09066	5.50064	0.83168453	0.00992433	No
						Nol10	11.8968	6.38327	-0.898211	11.8978	6.38427	-0.8981013	0.0086849	No
						Nol11	11.5045	7.35138	-0.646109	11.5055	7.35238	-0.6460404	0.0317975	No
						Nol7	140.457	90.5654	-0.633095	140.458	90.5664	-0.633091	0.0349324	No
						Nolc1	32.1292	18.4244	-0.802263	32.1302	18.4254	-0.802234	0.0016929	No
						Nono	196.223	109.135	-0.846379	196.224	109.136	-0.8463744	0.00111812	No
						Nop2	28.8402	17.4706	-0.723152	28.8412	17.4716	-0.7231195	0.0101506	No
						Nop56	107.941	72.1757	-0.58066	107.942	72.1767	-0.5806512	0.0442539	No
						Nop58	64.89	30.5419	-1.08721	64.891	30.5429	-1.0871813	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nos1	0	1.22706	inf	0.001	1.22806	10.2621653	0.0162458	No
						Nos1ap	0.142341	7.14301	5.6491	0.143341	7.14401	5.63921087	0.00018329	No
						Nos3	0.0443251	2.06376	5.54101	0.0453251	2.06476	5.50952008	0.0076683	No
						Nostrin	0	1.56776	inf	0.001	1.56876	10.6154089	0.00018329	No
						Npap60	20.0589	10.9537	-0.872826	20.0599	10.9547	-0.8727644	0.00126492	No
						Npas2	0.250639	8.88183	5.14717	0.251639	8.88283	5.14159194	0.00018329	No
						Npat	6.60273	3.29646	-1.00214	6.60373	3.29746	-1.001926	0.0066167	No
						Npc2	65.3416	138.027	1.07888	65.3426	138.028	1.07886519	0.00035173	No
						Npepo	4.69584	37.7812	3.00821	4.69684	37.7822	3.00794436	0.00018329	No
						Nphp1	0.171983	12.6192	6.19721	0.172983	12.6202	6.1889607	0.00018329	No
						Nphp3	0.283942	0.772345	1.44365	0.284942	0.773345	1.44044388	0.0146209	No
						Nphp4	0.304662	3.34675	3.45748	0.305662	3.34775	3.45318268	0.0215079	No
						Npl	0.107876	2.38074	4.46397	0.108876	2.38174	4.45125806	0.00051281	No
						Nploc4	20.8725	11.101	-0.910907	20.8735	11.102	-0.9108529	0.00035173	No
						Npm1	1210.55	355.014	-1.76972	1210.551	355.015	-1.769712	0.00018329	No
						Npnt	0.28881	36.3281	6.97482	0.28981	36.3291	6.96987444	0.00018329	No
						Npr3	0	3.24321	inf	0.001	3.24421	11.6636515	0.00018329	No
						Nprl3	8.62848	15.4897	0.844131	8.62948	15.4907	0.84405681	0.0326623	No
						Npy	9.77133	2.40998	-2.01953	9.77233	2.41098	-2.0190829	0.0031651	No
						Nqo1	0.311267	8.69844	4.80454	0.312267	8.69944	4.80007051	0.00018329	No
						Nr1h4	0.440257	23.6617	5.74806	0.441257	23.6627	5.74485172	0.00018329	No
						Nr1i2	0.0552552	2.68517	5.60276	0.0562552	2.68617	5.57742034	0.0203707	No
						Nr2c2	13.2153	6.92604	-0.932103	13.2163	6.92704	-0.9320074	0.00567465	No
						Nr3c1	20.1353	12.2184	-0.72067	20.1363	12.2194	-0.7206252	0.00419853	No
						Nr4a1	2.76439	32.0572	3.53562	2.76539	32.0582	3.53513856	0.00018329	No
						Nr4a3	0.328265	0.838034	1.35215	0.329265	0.839034	1.34948011	0.0120339	No
						Nrarp	1.26322	5.236	2.05135	1.26422	5.237	2.05049306	0.00018329	No
						Nras	36.6986	15.8665	-1.20974	36.6996	15.8675	-1.2096895	0.00035173	No
						Nrbf2	18.3684	10.3162	-0.83231	18.3694	10.3172	-0.832253	0.0161386	No
						Nrbp2	4.07182	21.593	2.40682	4.07282	21.594	2.40653055	0.00018329	No
						Nrde2	10.6221	5.19212	-1.03267	10.6231	5.19312	-1.0325314	0.0428533	No
						Nrep	0	52.915	inf	0.001	52.916	15.6914164	0.00018329	No
						Nrf1	25.1023	11.5082	-1.12516	25.1033	11.5092	-1.1250895	0.00018329	No
						Nrros	44.6418	17.7211	-1.33293	44.6428	17.7221	-1.3328779	0.00018329	No
						Nsa2	147.234	63.0901	-1.22262	147.235	63.0911	-1.2226123	0.00018329	No
						Nsg2	27.1389	1.59422	-4.08944	27.1399	1.59522	-4.0885881	0.00018329	No
						Nsmce2	12.8446	39.6246	1.62524	12.8456	39.6256	1.6251585	0.00018329	No
						NSMF	0.816396	3.93203	2.26793	0.817396	3.93303	2.2665341	0.00018329	No
						Nsrp1	22.33	13.046	-0.775377	22.331	13.047	-0.7753297	0.00981659	No
						Nsun2	43.7246	16.1481	-1.43708	43.7256	16.1491	-1.4370244	0.00018329	No
						Nsun6	4.99319	2.96072	-0.754015	4.99419	2.96172	-0.7538155	0.047797	No
						Nt5c2	12.4064	30.099	1.27863	12.4074	30.1	1.27856266	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nt5c3a	28.2858	12.8669	-1.13642	28.2868	12.8679	-1.1363523	0.00018329	No
						Nt5dc1	30.7459	13.6206	-1.17461	30.7469	13.6216	-1.1745448	0.00018329	No
						Nt5dc3	2.31131	4.08818	0.82275	2.31231	4.08918	0.82247674	0.0121287	No
						Nt5m	0.867514	5.74043	2.7262	0.868514	5.74143	2.7247891	0.0295293	No
						Ntan1	249.06	93.7965	-1.40889	249.061	93.7975	-1.4088778	0.00018329	No
						Ntf4	0.345155	1.14758	1.73328	0.346155	1.14858	1.73036125	0.0177018	No
						Ntpcr	10.2867	26.7853	1.38066	10.2877	26.7863	1.38057484	0.00018329	No
						Nuak1	0.532119	5.29269	3.31418	0.533119	5.29369	3.31174421	0.00018329	No
						Nuak2	0.282803	76.0092	8.07023	0.283803	76.0102	8.06515938	0.00018329	No
						Nub1	55.3956	26.9099	-1.04164	55.3966	26.9109	-1.0416068	0.00018329	No
						Nubp1	103.737	61.4691	-0.754999	103.738	61.4701	-0.7549877	0.00732142	No
						Nubpl	3.61214	8.28867	1.19829	3.61314	8.28967	1.19806151	0.00458064	No
						Nucb2	7.67096	25.3435	1.72414	7.67196	25.3445	1.7240056	0.00018329	No
						Nudt1	25.9802	13.8305	-0.909558	25.9812	13.8315	-0.9095104	0.0178968	No
						Nudt10	0	0.987307	inf	0.001	0.988307	9.94881545	0.00018329	No
						Nudt12	2.4025	5.54852	1.20757	2.4035	5.54952	1.20722619	0.00035173	No
						Nudt16	4.75884	8.13062	0.772754	4.75984	8.13162	0.77262972	0.0497921	No
						Nudt19	11.7203	26.5059	1.1773	11.7213	26.5069	1.17723537	0.00342383	No
						Nudt2	23.2374	67.4142	1.5366	23.2384	67.4152	1.53656317	0.00018329	No
						NUDT21	83.9473	31.1955	-1.42815	83.9483	31.1965	-1.4281169	0.00018329	No
						Nudt4	33.1912	129.432	1.96332	33.1922	129.433	1.96328933	0.00018329	No
						Nudt7	9.78204	36.5847	1.90303	9.78304	36.5857	1.90292512	0.00018329	No
						Nudt9	29.9335	50.4024	0.751731	29.9345	50.4034	0.75171188	0.0119236	No
						Nuf2	1.03209	2.7514	1.4146	1.03309	2.7524	1.41372421	0.00494262	No
						Numa1	66.5741	30.6848	-1.11743	66.5751	30.6858	-1.1174115	0.00224282	No
						Numb	10.9078	21.4571	0.976089	10.9088	21.4581	0.97602993	0.00445502	No
						Nup107	8.38739	4.10186	-1.03195	8.38839	4.10286	-1.031764	0.00051281	No
						Nup153	36.7444	7.52384	-2.28798	36.7454	7.52484	-2.2878308	0.00018329	No
						Nup188	10.5437	5.75262	-0.874095	10.5447	5.75362	-0.8739762	0.00111812	No
						Nup210	26.7573	7.35711	-1.86272	26.7583	7.35811	-1.8625793	0.00018329	No
						Nup54	55.7929	31.5972	-0.820286	55.7939	31.5982	-0.820265	0.0113722	No
						Nup62	21.134	11.7875	-0.842306	21.135	11.7885	-0.842254	0.0226206	No
						Nup98	16.9833	9.98264	-0.766625	16.9843	9.98364	-0.7665639	0.00481718	No
						Nupl1	14.5375	8.76396	-0.73013	14.5385	8.76496	-0.730059	0.0232058	No
						NUPR1	0	151.505	inf	0.001	151.506	17.2090154	0.00018329	No
						Nusap1	0.604377	3.30442	2.45088	0.605377	3.30542	2.44892783	0.00018329	No
						Nxn	4.07456	8.08258	0.98817	4.07556	8.08358	0.98799606	0.0112711	No
						Nxpe3	5.78344	2.01984	-1.51768	5.78444	2.02084	-1.5172222	0.00018329	No
						Nxt1	34.709	19.5444	-0.828555	34.71	19.5454	-0.8285223	0.00902869	No
						Nxt2	5.88811	2.79257	-1.07621	5.88911	2.79357	-1.0759397	0.00140841	No
						Nynrin	1.74059	4.29588	1.30338	1.74159	4.29688	1.30288446	0.00051281	No
						Oacyl	0	0.997657	inf	0.001	0.998657	9.96384544	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Oaf	7.94022	40.1563	2.33837	7.94122	40.1573	2.3382297	0.00018329	No
						Oas1b	8.79071	4.89559	-0.844498	8.79171	4.89659	-0.8443664	0.0109365	No
						Oas2	0.23606	1.09094	2.20835	0.23706	1.09194	2.20356943	0.00224282	No
						Oasl	2.84885	8.26471	1.53658	2.84985	8.26571	1.53625276	0.00018329	No
						Oat	15.6924	72.8504	2.21487	15.6934	72.8514	2.21479875	0.00018329	No
						Oaz2	38.3228	58.9759	0.621921	38.3238	58.9769	0.62190937	0.0228125	No
						Obsl1	1.49813	13.2934	3.14948	1.49913	13.2944	3.14862127	0.00018329	No
						Ocln	5.55555	32.0548	2.52854	5.55655	32.0558	2.5283241	0.00018329	No
						Odc1	44.9019	81.5252	0.860472	44.9029	81.5262	0.86045515	0.00126492	No
						Ofd1	17.1018	7.29323	-1.22952	17.1028	7.29423	-1.2294049	0.00591487	No
						Ogdh	35.485	107.443	1.5983	35.486	107.444	1.59826305	0.00018329	No
						Ogdhl	0.236685	1.90373	3.00779	0.237685	1.90473	3.00246374	0.00303839	No
						Ogfrl1	0.856286	12.908	3.91403	0.857286	12.909	3.91245685	0.00018329	No
						Ogn	0.00822317	4.59403	9.12585	0.00922317	4.59503	8.96059588	0.0404374	No
						Ogt	150.091	34.6068	-2.11671	150.092	34.6078	-2.1166779	0.00018329	No
						Ola1	61.3448	34.9095	-0.813322	61.3458	34.9105	-0.8133036	0.0018326	No
						Olah	2.21186	0.306572	-2.85096	2.21286	0.307572	-2.8469161	0.00111812	No
						Olfm4	0	5.46856	inf	0.001	5.46956	12.4172091	0.00018329	No
						Olfml1	0	5.3365	inf	0.001	5.3375	12.3819484	0.00018329	No
						Olfml3	0.819944	2.09069	1.35038	0.820944	2.09169	1.34931333	0.00981659	No
						Olr1	0.0266748	1.05357	5.30366	0.0276748	1.05457	5.25193816	0.0269158	No
						Olr155	0	1.39545	inf	0.001	1.39645	10.4475482	0.00018329	No
						Olr1584	0.520013	3.58718	2.78623	0.521013	3.58818	2.78386099	0.00018329	No
						Olr1668	0	0.832614	inf	0.001	0.833614	9.7032357	0.00018329	No
						Olr59	0	0.944486	inf	0.001	0.945486	9.88491229	0.00018329	No
						Oma1	5.31197	19.5329	1.87859	5.31297	19.5339	1.87838954	0.00018329	No
						Oosp1	0.358894	6.95148	4.27569	0.359894	6.95248	4.27188373	0.00018329	No
						OPA3	6.7795	13.1519	0.956023	6.7805	13.1529	0.95591736	0.00111812	No
						Oplah	0.757835	59.7469	6.30084	0.758835	59.7479	6.29895797	0.00018329	No
						Opn3	0.540123	4.58736	3.0863	0.541123	4.58836	3.08395012	0.00018329	No
						Optc	8.15354	1.46844	-2.47314	8.15454	1.46944	-2.472337	0.00051281	No
						Orai2	38.4837	6.1434	-2.64714	38.4847	6.1444	-2.646941	0.00018329	No
						Orai3	4.51697	13.4171	1.57064	4.51797	13.4181	1.5704338	0.00018329	No
						Ormdl3	29.3002	48.9538	0.74051	29.3012	48.9548	0.74049057	0.00721079	No
						Osbpl11	11.0498	5.46319	-1.01621	11.0508	5.46419	-1.0160713	0.00035173	No
						Osbpl3	2.38926	29.199	3.61129	2.39026	29.2	3.61072891	0.00018329	No
						Osbpl6	0.136197	1.65141	3.59993	0.137197	1.65241	3.59025086	0.0146209	No
						Oscar	0.0933523	0.818234	3.13176	0.0943523	0.819234	3.118146	0.0282824	No
						Oser1	33.8493	22.6271	-0.581077	33.8503	22.6281	-0.5810532	0.036101	No
						Osgin1	0.328304	26.1925	6.31798	0.329304	26.1935	6.313645	0.00018329	No
						Osgin2	7.2617	3.57645	-1.02178	7.2627	3.57745	-1.0215744	0.00845618	No
						Osr1	0	0.758198	inf	0.001	0.759198	9.56833238	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Osr2	0	7.41312	inf	0.001	7.41412	12.8560598	0.00018329	No
						OST4	295.024	444.601	0.59168	295.025	444.602	0.59167723	0.0284818	No
						Otud1	21.1004	7.33099	-1.52519	21.1014	7.33199	-1.525062	0.00018329	No
						Otud4	22.5638	8.25713	-1.4503	22.5648	8.25813	-1.450187	0.00018329	No
						Otud5	168.972	87.2774	-0.953107	168.973	87.2784	-0.9530962	0.00126492	No
						Oxa1l	70.9336	109.781	0.63009	70.9346	109.782	0.63008012	0.0290402	No
						Oxct1	28.2999	193.71	2.77503	28.3009	193.711	2.77498604	0.00018329	No
						Oxgr1	0	0.976474	inf	0.001	0.977474	9.93291452	0.00018329	No
						P2RX3	0.0796858	0.871211	3.45063	0.0806858	0.872211	3.43429049	0.00329119	No
						P2ry1	0.0956482	0.694502	2.86017	0.0966482	0.695502	2.84723989	0.00530972	No
						P2ry10	59.4541	7.71101	-2.94678	59.4551	7.71201	-2.9466217	0.00018329	No
						P2ry4	15.9966	30.9811	0.953628	15.9976	30.9821	0.95357945	0.0301202	No
						P2ry6	0.135241	2.7915	4.36743	0.136241	2.7925	4.35732445	0.00018329	No
						P33MONOX	13.2641	74.6314	2.49226	13.2651	74.6324	2.49216653	0.00018329	No
						P4ha1	8.58467	33.7534	1.9752	8.58567	33.7544	1.97507295	0.00018329	No
						P4hb	72.9848	163.983	1.16788	72.9858	163.984	1.16786735	0.00018329	No
						Pabpc1	1411.33	290.422	-2.28084	1411.331	290.423	-2.2808288	0.00018329	No
						Pacs1	45.5616	14.5208	-1.6497	45.5626	14.5218	-1.6496298	0.00018329	No
						Pacsin1	18.7289	2.5165	-2.89578	18.7299	2.5175	-2.8952795	0.00018329	No
						Pacsin2	19.3037	63.8425	1.72564	19.3047	63.8435	1.72558761	0.00018329	No
						Padi1	0	1.09801	inf	0.001	1.09901	10.1019888	0.00018329	No
						Paf1	43.7458	79.318	0.858505	43.7468	79.319	0.858489	0.00140841	No
						Pafah1b1	58.3032	33.6345	-0.793631	58.3042	33.6355	-0.7936151	0.00530972	No
						Pafah1b3	45.4315	27.6291	-0.717504	45.4325	27.6301	-0.7174839	0.0213082	No
						Pag1	13.5017	7.3283	-0.881593	13.5027	7.3293	-0.8815006	0.0436248	No
						Pah	0	81.5568	inf	0.001	81.5578	16.3155352	0.00018329	No
						Paip2	201.661	102.758	-0.972683	201.662	102.759	-0.9726745	0.00018329	No
						Pak1	0.179824	10.2526	5.83326	0.180824	10.2536	5.82540054	0.00018329	No
						Pak1ip1	21.8491	9.56194	-1.1922	21.8501	9.56294	-1.1921138	0.00018329	No
						Pak2	3.7185	1.37839	-1.43174	3.7195	1.37939	-1.4310783	0.0364805	No
						Pak4	1.67856	14.4318	3.10396	1.67956	14.4328	3.10319597	0.00018329	No
						Pak6	4.53879	7.30666	0.686906	4.53979	7.30766	0.68678395	0.0301202	No
						Palld	0.632581	5.85782	3.21104	0.633581	5.85882	3.20900915	0.00018329	No
						Palm3	0.494284	6.04382	3.61205	0.495284	6.04482	3.60937146	0.00018329	No
						Pam	0.0637882	16.6229	8.02567	0.0647882	16.6239	8.00331209	0.00018329	No
						Pan3	82.0105	24.0836	-1.76776	82.0115	24.0846	-1.7677153	0.00018329	No
						Pank1	1.21277	24.2847	4.32368	1.21377	24.2857	4.3225401	0.00018329	No
						Pank2	32.2875	18.0148	-0.841791	32.2885	18.0158	-0.8417577	0.0206835	No
						Panx2	0	2.31125	inf	0.001	2.31225	11.1750817	0.00018329	No
						Papd4	21.8617	9.25807	-1.23962	21.8627	9.25907	-1.2395324	0.00018329	No
						Papd5	29.3722	7.96891	-1.882	29.3732	7.96991	-1.8818651	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Papola	54.5354	29.8216	-0.870836	54.5364	29.8226	-0.8708134	0.00519348	No
						Papolg	14.6085	3.54218	-2.04409	14.6095	3.54318	-2.0437901	0.00018329	No
						Papss1	14.0968	58.7774	2.0599	14.0978	58.7784	2.05981604	0.00018329	No
						Papss2	0.288434	35.8184	6.95632	0.289434	35.8194	6.95136296	0.00018329	No
						Paqr3	0.260906	1.0077	1.94946	0.261906	1.0087	1.94537615	0.0114728	No
						Paqr5	18.9479	43.4055	1.19584	18.9489	43.4065	1.195797	0.00018329	No
						Paqr9	0	1.42346	inf	0.001	1.42446	10.4761994	0.00018329	No
						Pard6a	0.749602	2.14911	1.51954	0.750602	2.15011	1.51829043	0.0109365	No
						Pard6b	5.48382	27.8134	2.34252	5.48482	27.8144	2.3423158	0.00018329	No
						Parm1	0.0677792	51.7454	9.57637	0.0687792	51.7464	9.55527045	0.00018329	No
						Parp1	48.5482	28.7497	-0.755872	48.5492	28.7507	-0.7558504	0.0263234	No
						Parp10	24.2086	13.7632	-0.814708	24.2096	13.7642	-0.8146585	0.0135584	No
						Parp11	16.7162	5.63192	-1.56955	16.7172	5.63292	-1.5693783	0.00777671	No
						Parp14	35.0461	14.122	-1.31131	35.0471	14.123	-1.3112485	0.00018329	No
						Parp6	28.3497	16.8155	-0.75354	28.3507	16.8165	-0.7535069	0.00469886	No
						Parp8	44.4666	25.3701	-0.80959	44.4676	25.3711	-0.8095685	0.012344	No
						Parp9	39.778	13.9938	-1.50719	39.779	13.9948	-1.5071161	0.00018329	No
						Parva	0	48.9462	inf	0.001	48.9472	15.5789387	0.00018329	No
						Parvb	0.356471	2.79277	2.96984	0.357471	2.79377	2.96631514	0.00018329	No
						Patl1	18.7585	8.75149	-1.09994	18.7595	8.75249	-1.099856	0.00018329	No
						Patl2	5.17561	0.418086	-3.62986	5.17661	0.419086	-3.6266894	0.0329503	No
						Paxbp1	31.9768	14.6444	-1.12668	31.9778	14.6454	-1.1266231	0.00018329	No
						Paxip1	13.7844	5.39414	-1.35357	13.7854	5.39514	-1.3534088	0.00018329	No
						Pbdc1	20.2537	12.7716	-0.665247	20.2547	12.7726	-0.6652045	0.0339945	No
						Pbk	0.176223	2.4387	3.79064	0.177223	2.4397	3.783066	0.00140841	No
						Pbld1	0.0173102	110.596	12.6414	0.0183102	110.597	12.5603771	0.00224282	No
						Pbrm1	19.9866	9.37814	-1.09166	19.9876	9.37914	-1.0915777	0.00732142	No
						Pbx1	1.73759	17.5538	3.33662	1.73859	17.5548	3.3358759	0.00018329	No
						Pbx3	1.43842	7.31146	2.34567	1.43942	7.31246	2.34486922	0.00018329	No
						Pbxip1	148.252	82.4463	-0.846527	148.253	82.4473	-0.8465171	0.00406781	No
						Pc	0.496851	29.7957	5.90614	0.497851	29.7967	5.90329472	0.00018329	No
						Pcbd1	0.326997	154.427	8.88343	0.327997	154.428	8.87903602	0.00051281	No
						Pcbd2	79.8898	137.388	0.782176	79.8908	137.389	0.78216522	0.00709238	No
						PCBP2	219.915	138.381	-0.6683	219.916	138.382	-0.6682963	0.0375863	No
						Pcbp4	8.86893	19.8793	1.16443	8.86993	19.8803	1.1643449	0.00051281	No
						Pcca	10.0751	64.2563	2.67305	10.0761	64.2573	2.67292302	0.00035173	No
						Pccb	12.218	142.915	3.54807	12.219	142.916	3.54796932	0.00018329	No
						Pcdh12	0.768332	0.148846	-2.36791	0.769332	0.149846	-2.3601257	0.00111812	No
						Pcdh17	0	0.945099	inf	0.001	0.946099	9.88584735	0.00018329	No
						Pcdh19	0	0.720372	inf	0.001	0.721372	9.49459962	0.00018329	No
						Pcdha8	0	1.19325	inf	0.001	1.19425	10.2218892	0.00018329	No
						Pcdhb19	0.0766436	0.942799	3.62071	0.0776436	0.943799	3.60354073	0.0153859	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pcdhb20	0.0345529	0.774576	4.48653	0.0355529	0.775576	4.44722901	0.0204738	No
						Pcdhga1	0.872844	0.11149	-2.96882	0.873844	0.11249	-2.957579	0.00380824	No
						Pcdhga7	0.159612	0.630407	1.98171	0.160612	0.631407	1.97499057	0.00698138	No
						Pcf11	29.9336	6.96199	-2.1042	29.9346	6.96299	-2.1040351	0.00018329	No
						Pcgf2	2.01984	17.8407	3.14286	2.02084	17.8417	3.14222608	0.00018329	No
						Pcgf6	14.6183	5.58253	-1.38879	14.6193	5.58353	-1.3886248	0.00018329	No
						Pck2	2.30309	22.8498	3.31054	2.30409	22.8508	3.3099757	0.00018329	No
						Pclo	0	2.76923	inf	0.001	2.77023	11.43579	0.00018329	No
						Pcmtd1	113.275	33.657	-1.75085	113.276	33.658	-1.7508209	0.00018329	No
						Pcmtd2	48.3558	14.4446	-1.74316	48.3568	14.4456	-1.7430887	0.00018329	No
						Pcnx	11.0161	21.8819	0.990128	11.0171	21.8829	0.99005942	0.0139848	No
						Pcolce	0.109683	8.00754	6.18995	0.110683	8.00854	6.1770337	0.0234164	No
						PCOLCE2	0	6.86429	inf	0.001	6.86529	12.7451049	0.00018329	No
						Pcsk4	0	5.50968	inf	0.001	5.51068	12.4280146	0.00018329	No
						Pcsk6	0	22.9541	inf	0.001	22.9551	14.4865271	0.00018329	No
						Pctp	13.014	7.96702	-0.707948	13.015	7.96802	-0.7078821	0.0306599	No
						Pcyox1	8.76213	14.3397	0.710661	8.76313	14.3407	0.71059728	0.0191514	No
						Pcyox1l	13.546	22.0061	0.700034	13.547	22.0071	0.69999565	0.0220133	No
						Pcyt1a	3.36465	9.95689	1.56524	3.36565	9.95789	1.56495492	0.00018329	No
						Pcyt2	28.8996	59.0147	1.03003	28.9006	59.0157	1.02999936	0.00051281	No
						Pdcd10	91.097	33.2742	-1.453	91.098	33.2752	-1.452972	0.00018329	No
						Pdcd11	19.1254	11.4866	-0.735532	19.1264	11.4876	-0.7354879	0.00674218	No
						Pdcd2	36.4854	21.0676	-0.792296	36.4864	21.0686	-0.7922644	0.00856745	No
						Pdcd4	546.61	121.155	-2.17365	546.611	121.156	-2.1736486	0.00018329	No
						Pdcd6ip	26.5031	45.8241	0.789942	26.5041	45.8251	0.78992248	0.00277264	No
						Pde1a	0	16.5302	inf	0.001	16.5312	14.0129038	0.00018329	No
						Pde2a	92.3229	5.69144	-4.01982	92.3239	5.69244	-4.0195851	0.00018329	No
						Pde3b	40.1959	2.82993	-3.82821	40.1969	2.83093	-3.8277363	0.00018329	No
						Pde4a	0.119409	2.25267	4.23765	0.120409	2.25367	4.22626114	0.00018329	No
						Pde4b	68.2536	4.92025	-3.7941	68.2546	4.92125	-3.7938296	0.00018329	No
						Pde4c	4.74289	27.5544	2.53844	4.74389	27.5554	2.53819261	0.00018329	No
						Pde4dip	21.5456	13.28	-0.69814	21.5466	13.281	-0.6980965	0.0315274	No
						Pde7b	0.392726	14.0786	5.16383	0.393726	14.0796	5.16027055	0.00018329	No
						Pde8a	0.317375	15.8135	5.63882	0.318375	15.8145	5.63437708	0.00018329	No
						Pdgfb	0.636071	10.2759	4.01394	0.637071	10.2769	4.01180717	0.00018329	No
						Pdgfd	0	1.06705	inf	0.001	1.06805	10.0607635	0.00018329	No
						Pdha1	82.6362	163.061	0.980566	82.6372	163.062	0.98055734	0.0134442	No
						Pdhb	35.774	118.058	1.72251	35.775	118.059	1.72248435	0.00018329	No
						Pdhx	5.60946	14.642	1.38418	5.61046	14.643	1.38402019	0.00018329	No
						Pdia5	0.491383	3.81219	2.9557	0.492383	3.81319	2.95314556	0.00481718	No
						Pdilt	0	0.589547	inf	0.001	0.590547	9.20590807	0.00530972	No
						Pdk1	21.9886	9.17949	-1.26027	21.9896	9.18049	-1.2601783	0.0031651	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pdk2	11.8212	111.427	3.23666	11.8222	111.428	3.23654137	0.00018329	No
						Pdk4	0	7.58169	inf	0.001	7.58269	12.888494	0.00018329	No
						Pdlim1	65.0231	19.9503	-1.70454	65.0241	19.9513	-1.7044918	0.00018329	No
						Pdlim3	0	1.00718	inf	0.001	1.00818	9.97753752	0.00018329	No
						Pdp1	9.7341	5.30987	-0.874372	9.7351	5.31087	-0.8742476	0.00880015	No
						Pdp2	1.81731	6.69739	1.88179	1.81831	6.69839	1.88121619	0.00018329	No
						Pdpk1	19.5691	10.0985	-0.954438	19.5701	10.0995	-0.9543673	0.00880015	No
						Pdpn	0	8.58538	inf	0.001	8.58638	13.0678343	0.00018329	No
						Pds5a	37.1242	14.775	-1.3292	37.1252	14.776	-1.329143	0.00018329	No
						Pds5b	17.5277	5.23347	-1.7438	17.5287	5.23447	-1.7436036	0.00018329	No
						Pdxk	4.02439	14.8577	1.88436	4.02539	14.8587	1.88410743	0.00035173	No
						Pdxp	4.61221	2.48627	-0.891477	4.61321	2.48727	-0.8912078	0.0310472	No
						Pdzd2	0.0223161	0.621849	4.8004	0.0233161	0.622849	4.73948405	0.00744054	No
						Pdzd4	5.58536	1.47898	-1.91704	5.58636	1.47998	-1.9163309	0.00018329	No
						Pdzd8	2.88817	6.48802	1.16762	2.88917	6.48902	1.16734552	0.00035173	No
						Pdzk1	0.681394	84.5783	6.95566	0.682394	84.5793	6.95355585	0.00018329	No
						Pdzk1ip1	0.139588	284.573	10.9934	0.140588	284.574	10.9831147	0.0252382	No
						Pea15	16.6765	46.5041	1.47954	16.6775	46.5051	1.4794859	0.0261426	No
						Pecam1	29.8575	14.8656	-1.00611	29.8585	14.8666	-1.006067	0.00018329	No
						Pecr	15.0523	138.595	3.20282	15.0533	138.596	3.20273392	0.00018329	No
						Peg3	0.0241025	1.65458	6.10114	0.0251025	1.65558	6.04336186	0.00277264	No
						Peli1	35.9106	6.06977	-2.5647	35.9116	6.07077	-2.5644985	0.00018329	No
						Peli3	3.88102	1.65727	-1.22763	3.88202	1.65827	-1.2271286	0.00481718	No
						Peo1	4.92155	9.26216	0.912236	4.92255	9.26316	0.91209857	0.0140981	No
						Pepd	12.2522	102.765	3.06823	12.2532	102.766	3.06813256	0.00018329	No
						Per2	1.29039	2.79794	1.11656	1.29139	2.79894	1.1159558	0.00251301	No
						Pes1	70.8786	46.8266	-0.598021	70.8796	46.8276	-0.5980114	0.0230128	No
						Pet100	20.264	44.6096	1.13844	20.265	44.6106	1.13839638	0.00018329	No
						Pex11a	0.133637	9.39483	6.13548	0.134637	9.39583	6.12487377	0.00018329	No
						Pex11g	0.716428	2.70306	1.9157	0.717428	2.70406	1.91422121	0.00555427	No
						Pex12	1.11237	3.49032	1.64973	1.11337	3.49132	1.64883948	0.00018329	No
						Pex13	12.2531	21.7846	0.830157	12.2541	21.7856	0.83011032	0.00445502	No
						Pex2	5.69926	13.0689	1.1973	5.70026	13.0699	1.19714847	0.00082046	No
						Pex7	1.17483	10.2184	3.12064	1.17583	10.2194	3.1195591	0.00018329	No
						Pf4	41.3957	15.2618	-1.43956	41.3967	15.2628	-1.4394961	0.00329119	No
						Pfkfb2	9.28114	5.52615	-0.748028	9.28214	5.52715	-0.7479217	0.0192579	No
						Pfkfb4	0.132723	1.23938	3.22313	0.133723	1.24038	3.21346264	0.00197017	No
						Pfkm	11.1347	37.5115	1.75228	11.1357	37.5125	1.75217916	0.00018329	No
						Pfn1	3188.57	1104.18	-1.52994	3188.571	1104.181	-1.5299333	0.00018329	No
						Pfn3	0	23.5459	inf	0.001	23.5469	14.5232495	0.00018329	No
						Pgam1	90.0318	199.677	1.14916	90.0328	199.678	1.1491528	0.00018329	No
						Pgam5	28.5538	16.4038	-0.799653	28.5548	16.4048	-0.7996153	0.0031651	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pgk1	191.414	276.938	0.532864	191.415	276.939	0.53286435	0.046173	No
						Pglyrp1	1.79248	7.06539	1.97881	1.79348	7.06639	1.97821172	0.00481718	No
						Pglyrp2	6.0719	0.280166	-4.4378	6.0729	0.281166	-4.4328916	0.017077	No
						Pgm1	4.88106	18.1821	1.89725	4.88206	18.1831	1.89703625	0.00018329	No
						PGM2	6.14151	14.7608	1.26511	6.14251	14.7618	1.26496844	0.00018329	No
						Pgm2l1	9.00708	1.41911	-2.66608	9.00808	1.42011	-2.665217	0.00018329	No
						Pgpep1	2.24216	35.3815	3.98003	2.24316	35.3825	3.97943155	0.00018329	No
						Pgrmc1	127.005	69.673	-0.866214	127.006	69.674	-0.8662044	0.00051281	No
						Pgs1	24.4318	13.3867	-0.867958	24.4328	13.3877	-0.8679111	0.0300303	No
						Phactr4	7.28816	13.0764	0.843334	7.28916	13.0774	0.84325126	0.00290302	No
						Phb	43.5837	116.395	1.41717	43.5847	116.396	1.4171478	0.00018329	No
						Phc3	16.2056	5.02613	-1.68897	16.2066	5.02713	-1.6887746	0.00018329	No
						Phf11b	891.615	230.458	-1.95191	891.616	230.459	-1.9519124	0.00051281	No
						Phf12	32.1663	16.0815	-1.00015	32.1673	16.0825	-1.0001032	0.00018329	No
						Phf13	1.68043	2.90215	0.788296	1.68143	2.90315	0.7879304	0.0389103	No
						Phf15	22.8832	8.37001	-1.45099	22.8842	8.37101	-1.4508783	0.00018329	No
						Phf17	4.86796	7.42447	0.608971	4.86896	7.42547	0.6088687	0.0355427	No
						Phf20	9.55742	5.81319	-0.717291	9.55842	5.81419	-0.7171939	0.0151736	No
						PHF20L1	23.3892	7.54908	-1.63147	23.3902	7.55008	-1.6313404	0.00018329	No
						Phf21a	33.5241	17.9829	-0.898575	33.5251	17.9839	-0.8985357	0.016558	No
						Phf23	40.7106	22.3265	-0.86665	40.7116	22.3275	-0.8666182	0.0018326	No
						Phf3	19.2221	9.56982	-1.0062	19.2231	9.57082	-1.0061266	0.00051281	No
						Phf8	23.1905	6.34408	-1.87005	23.1915	6.34508	-1.8698859	0.00018329	No
						Phip	21.0832	5.50392	-1.93756	21.0842	5.50492	-1.9373688	0.00018329	No
						Phkb	5.96367	12.3423	1.04934	5.96467	12.3433	1.04921393	0.0460114	No
						PHKG2	5.38447	1.64412	-1.71149	5.38547	1.64512	-1.7108794	0.00018329	No
						Phlda3	0.2685	9.47266	5.14077	0.2695	9.47366	5.13556472	0.00018329	No
						Phldb1	0.0971725	22.3983	7.84863	0.0981725	22.3993	7.83391898	0.00018329	No
						Phospho1	0.908039	2.61148	1.52404	0.909039	2.61248	1.5230059	0.0214018	No
						Phospho2	11.9148	6.56588	-0.8597	11.9158	6.56688	-0.8595958	0.00469886	No
						Phtf2	10.3086	4.31938	-1.25495	10.3096	4.32038	-1.2547582	0.00018329	No
						Phyh	35.685	386.319	3.4364	35.686	386.32	3.43636626	0.00018329	No
						Phyhipl	0	46.7543	inf	0.001	46.7553	15.5128423	0.00018329	No
						Pias1	23.5934	12.5271	-0.91333	23.5944	12.5281	-0.9132769	0.0368491	No
						Pias3	3.22654	7.20236	1.15848	3.22754	7.20336	1.15823503	0.0018326	No
						Picalm	31.5531	102.615	1.70139	31.5541	102.616	1.70135632	0.00018329	No
						Pick1	7.57238	17.6226	1.21861	7.57338	17.6236	1.21849943	0.00018329	No
						Pid1	0.0668924	20.539	8.26231	0.0678924	20.54	8.24097038	0.0321839	No
						Pidd	0.205758	1.70214	3.04833	0.206758	1.70314	3.04218197	0.00018329	No
						Piezo1	13.7266	29.4023	1.09896	13.7276	29.4033	1.09889866	0.0119236	No
						Pigh	2.40494	14.0367	2.54513	2.40594	14.0377	2.54463401	0.00018329	No
						Pigk	21.3263	44.5446	1.06262	21.3273	44.5456	1.0625816	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pigm	4.70763	1.59201	-1.56415	4.70863	1.59301	-1.563552	0.00018329	No
						Pign	3.17229	8.21754	1.37318	3.17329	8.21854	1.37290275	0.00018329	No
						Pigr	0.188152	96.379	9.00068	0.189152	96.38	8.99304396	0.00018329	No
						Pigx	32.0095	20.3968	-0.650152	32.0105	20.3978	-0.6501317	0.0401475	No
						Pigy	20.2466	41.5254	1.03631	20.2476	41.5264	1.0362779	0.00066911	No
						Pik3ap1	4.47465	8.19953	0.873768	4.47565	8.20053	0.87361993	0.0076683	No
						Pik3c2b	7.55291	2.82398	-1.4193	7.55391	2.82498	-1.4189829	0.00018329	No
						PIK3CA	22.6511	11.1391	-1.02395	22.6521	11.1401	-1.0238826	0.00018329	No
						Pik3cb	1.69557	4.81226	1.50494	1.69657	4.81326	1.5043934	0.00097029	No
						Pik3cg	11.6002	2.24243	-2.37101	11.6012	2.24343	-2.370496	0.00018329	No
						Pik3ip1	200.682	10.8232	-4.2127	200.683	10.8242	-4.2125861	0.00018329	No
						Pik3r2	9.31618	19.2074	1.04385	9.31718	19.2084	1.04377208	0.00018329	No
						Pik3r3	1.0709	6.21029	2.53584	1.0719	6.21129	2.53472261	0.00018329	No
						Pik3r5	34.3115	8.72487	-1.97549	34.3125	8.72587	-1.9753634	0.00018329	No
						Pik3r6	0.20319	0.604187	1.57216	0.20419	0.605187	1.56746878	0.03047	No
						Pikfyve	9.29572	4.36868	-1.08937	9.29672	4.36968	-1.0891942	0.00018329	No
						Pim1	123.515	34.8857	-1.82398	123.516	34.8867	-1.8239489	0.00721079	No
						Pim2	48.1925	14.1063	-1.77247	48.1935	14.1073	-1.7723967	0.00018329	No
						Pin1	32.5209	50.1141	0.623847	32.5219	50.1151	0.62383382	0.0327554	No
						Pink1	20.6889	53.7851	1.37835	20.6899	53.7861	1.37830671	0.00018329	No
						Pip4k2a	88.3662	13.1761	-2.74557	88.3672	13.1771	-2.7454781	0.00018329	No
						Pip4k2c	13.3039	25.2909	0.926768	13.3049	25.2919	0.92671775	0.00066911	No
						Pip5k1a	19.2363	12.0646	-0.673056	19.2373	12.0656	-0.6730067	0.0178968	No
						PIP5K1C	26.0636	14.4239	-0.85358	26.0646	14.4249	-0.8535304	0.00082046	No
						Pir	0	1.20176	inf	0.001	1.20276	10.2321331	0.00018329	No
						Pitpna	216.623	80.0678	-1.4359	216.624	80.0688	-1.435881	0.00018329	No
						Pitpnm2	56.7894	16.0417	-1.8238	56.7904	16.0427	-1.8237301	0.00018329	No
						Pitpnm3	0	3.87698	inf	0.001	3.87798	11.9210896	0.00018329	No
						Pja1	12.6579	35.1491	1.47345	12.6589	35.1501	1.47337675	0.00018329	No
						Pkd2	0.138674	15.7285	6.82554	0.139674	15.7295	6.81526551	0.00018329	No
						Pkd2l2	5.05242	0.988774	-2.35326	5.05342	0.989774	-2.352089	0.0478786	No
						Pkdcc	4.20033	17.2166	2.03522	4.20133	17.2176	2.03496604	0.00018329	No
						Pkhd1	0	28.465	inf	0.001	28.466	14.7969522	0.00018329	No
						Pkia	0.543017	5.28635	3.2832	0.544017	5.28735	3.28082119	0.00018329	No
						Pkib	1.32252	2.73742	1.04953	1.32352	2.73842	1.04896374	0.0462639	No
						Pkig	0.140302	52.7836	8.55541	0.141302	52.7846	8.54519139	0.00018329	No
						Pkm	227.346	359.758	0.662135	227.347	359.759	0.66213481	0.0221058	No
						Pkn3	87.1202	35.692	-1.28741	87.1212	35.693	-1.2873827	0.00066911	No
						Pknox1	9.80899	5.01838	-0.966884	9.80999	5.01938	-0.9667425	0.0018326	No
						PKP2	0	15.4678	inf	0.001	15.4688	13.9170737	0.00018329	No
						Pkp4	8.11002	62.1165	2.9372	8.11102	62.1175	2.93704451	0.00018329	No
						Pla2g12a	4.94736	24.3798	2.30096	4.94836	24.3808	2.3007231	0.00018329	No

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						Pla2g15	2.93608	21.4693	2.87031	2.93708	21.4703	2.86988788	0.0066167	No
						Pla2g16	430.453	190.106	-1.17905	430.454	190.107	-1.1790474	0.00018329	No
						Pla2g1b	0	0.610298	inf	0.001	0.611298	9.25573204	0.00970533	No
						Pla2g2d	0.194372	2.16155	3.47517	0.195372	2.16255	3.46843786	0.00035173	No
						Pla2g4a	0.126113	4.54803	5.17245	0.127113	4.54903	5.16137546	0.00018329	No
						Pla2g6	5.38015	10.8248	1.00863	5.38115	10.8258	1.00848721	0.00591487	No
						Pla2g7	0.500141	11.39	4.50929	0.501141	11.391	4.50653402	0.00018329	No
						Plaa	13.0851	8.05934	-0.699189	13.0861	8.06034	-0.6991226	0.0100349	No
						Plac8	2602.32	326.428	-2.99496	2602.321	326.429	-2.9949578	0.00018329	No
						Plagl1	0	9.67778	inf	0.001	9.67878	13.2406095	0.00018329	No
						Plagl2	9.64898	4.45956	-1.11348	9.64998	4.46056	-1.1133011	0.00018329	No
						Plat	1.34104	68.8336	5.68169	1.34204	68.8346	5.68063435	0.00018329	No
						Plau	0	302.797	inf	0.001	302.798	18.2079962	0.00018329	No
						Plbd1	0.787615	4.46707	2.50376	0.788615	4.46807	2.50225873	0.00018329	No
						Plbd2	18.4862	39.8324	1.1075	18.4872	39.8334	1.10745189	0.00082046	No
						Plcb3	0.660822	6.954	3.39551	0.661822	6.955	3.39353536	0.00018329	No
						Plcb4	0.568032	2.67415	2.23504	0.569032	2.67515	2.2330381	0.00018329	No
						Plcd1	2.45505	7.70276	1.64962	2.45605	7.70376	1.64922283	0.00018329	No
						Plce1	0	1.251	inf	0.001	1.252	10.2900188	0.00018329	No
						Plcg1	170.084	35.5416	-2.25867	170.085	35.5426	-2.2586348	0.00018329	No
						Plch1	0	0.675031	inf	0.001	0.676031	9.40094559	0.00018329	No
						Plch2	0.538804	4.22809	2.97217	0.539804	4.22909	2.96983969	0.00018329	No
						Plcl1	0.504365	4.37635	3.11719	0.505365	4.37735	3.11466009	0.00018329	No
						Plcl2	65.902	16.2827	-2.01698	65.903	16.2837	-2.0169156	0.00082046	No
						Pld1	0.0402783	3.59147	6.47843	0.0412783	3.59247	6.44344874	0.00018329	No
						PLD2	3.58325	10.5039	1.55159	3.58425	10.5049	1.55131926	0.00845618	No
						Pld3	9.77039	26.7532	1.45322	9.77139	26.7542	1.45312968	0.00018329	No
						Pld4	0.672501	23.1367	5.1045	0.673501	23.1377	5.10242156	0.00018329	No
						Plek	10.7267	19.1451	0.835772	10.7277	19.1461	0.83570975	0.0285734	No
						Plekha2	32.4989	13.4107	-1.277	32.4999	13.4117	-1.2769432	0.00018329	No
						Plekha6	0.313762	26.8493	6.41907	0.314762	26.8503	6.41453302	0.00018329	No
						Plekha7	4.63111	12.5835	1.4421	4.63211	12.5845	1.44190648	0.00018329	No
						Plekha1	0.221142	5.29718	4.58218	0.222142	5.29818	4.57594277	0.0107084	No
						Plekha2	3.45177	58.4123	4.08086	3.45277	58.4133	4.08047075	0.00018329	No
						Plekha3	19.8302	30.1469	0.604307	19.8312	30.1479	0.60428553	0.0255527	No
						Plekha4	10.3089	3.8459	-1.4225	10.3099	3.8469	-1.4222621	0.00018329	No
						Plekha5	0.978887	31.3771	5.00242	0.979887	31.3781	5.0009988	0.00018329	No
						Plekha6	45.8246	12.5285	-1.87091	45.8256	12.5295	-1.8708249	0.00018329	No
						Plekha7	0.815178	2.676	1.71489	0.816178	2.677	1.71366141	0.00066911	No
						Plekha8	0.130084	5.14151	5.30468	0.131084	5.14251	5.29390919	0.0163528	No
						Plekha9	0	1.3146	inf	0.001	1.3156	10.3615052	0.00018329	No
						Plekha10	14.9185	9.55906	-0.642158	14.9195	9.56006	-0.6421076	0.0352739	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Plekho1	2.20739	16.005	2.85811	2.20839	16.006	2.85754594	0.00018329	No
						PLET1	0	234.591	inf	0.001	234.592	17.8397943	0.00018329	No
						Plgrkt	3.12401	10.4962	1.7484	3.12501	10.4972	1.74807185	0.00051281	No
						Plin2	1.49326	39.3024	4.71808	1.49426	39.3034	4.71715102	0.00018329	No
						Plk2	0.771148	7.64619	3.30966	0.772148	7.64719	3.30798041	0.00018329	No
						Plk3	0.675687	14.6364	4.43706	0.676687	14.6374	4.43502683	0.00018329	No
						Plk5	0.454881	2.75388	2.5979	0.455881	2.75488	2.59526029	0.00154856	No
						Plod2	0.112928	29.0145	8.00523	0.113928	29.0155	7.99255762	0.00018329	No
						Pls3	0	32.0617	inf	0.001	32.0627	14.9686083	0.00018329	No
						Plscr1	0.22956	20.3209	6.46795	0.23056	20.3219	6.46174924	0.00051281	No
						Plscr4	5.44234	2.8369	-0.939913	5.44334	2.8379	-0.9396684	0.0393915	No
						Plxdc2	3.50552	60.2155	4.10244	3.50652	60.2165	4.10204699	0.00018329	No
						Plxna3	0.0440016	1.13767	4.69238	0.0450016	1.13867	4.66122959	0.00066911	No
						Plxnb1	0.198533	4.12486	4.3769	0.199533	4.12586	4.36999559	0.00018329	No
						Plxnd1	2.59127	4.46331	0.784455	2.59227	4.46431	0.78422122	0.010379	No
						Pmepa1	5.39412	130.147	4.59261	5.39512	130.148	4.59235428	0.00018329	No
						Pmm1	17.1609	88.04	2.35904	17.1619	88.041	2.35896625	0.00018329	No
						Pmp22	0.0589675	1.8308	4.95641	0.0599675	1.8318	4.93293736	0.0239196	No
						Pmpcb	60.6384	97.0288	0.678182	60.6394	97.0298	0.67817242	0.0213082	No
						Pmvk	22.9031	37.6045	0.715362	22.9041	37.6055	0.7153378	0.030294	No
						Pnizr	184.584	41.8231	-2.14191	184.585	41.8241	-2.1418789	0.00018329	No
						Pnmal2	0	1.78538	inf	0.001	1.78638	10.8028233	0.00018329	No
						Pnn	156.17	50.1241	-1.63954	156.171	50.1251	-1.6395215	0.00018329	No
						Pno1	17.6532	10.9741	-0.685831	17.6542	10.9751	-0.6857774	0.0221058	No
						Pnp	61.838	106.598	0.78562	61.839	106.599	0.78560501	0.00251301	No
						Pnpla2	16.9666	27.3788	0.690356	16.9676	27.3798	0.69032939	0.0114728	No
						Pnpla3	0.232574	4.41932	4.24806	0.233574	4.42032	4.24219922	0.00018329	No
						Pnpla6	6.87673	22.1495	1.68748	6.87773	22.1505	1.68733488	0.00018329	No
						Pnrc1	195.549	92.9447	-1.07309	195.55	92.9457	-1.0730775	0.00018329	No
						Pnrc2	88.537	47.0774	-0.911245	88.538	47.0784	-0.9112315	0.00051281	No
						Podn	0.0565718	3.08725	5.7701	0.0575718	3.08825	5.74528342	0.00051281	No
						Podxl	0.0159251	5.77795	8.50311	0.0169251	5.77895	8.41549922	0.0326623	No
						Pof1b	0	0.685631	inf	0.001	0.686631	9.42339118	0.00018329	No
						Pofut1	8.61542	3.82896	-1.16997	8.61642	3.82996	-1.1697592	0.00342383	No
						Pofut2	9.61564	34.969	1.86262	9.61664	34.97	1.86251298	0.00018329	No
						Poglut1	34.4939	54.0951	0.649156	34.4949	54.0961	0.64914151	0.0345543	No
						Pogz	17.9004	7.01357	-1.35177	17.9014	7.01457	-1.3516458	0.00018329	No
						Pola1	3.71252	1.58577	-1.22722	3.71352	1.58677	-1.2266943	0.00018329	No
						Pola2	7.87522	19.3713	1.29853	7.87622	19.3723	1.29841994	0.00140841	No
						Pold2	21.4107	10.5054	-1.0272	21.4117	10.5064	-1.0271309	0.00082046	No
						Poldip2	21.0938	60.2418	1.51394	21.0948	60.2428	1.51390142	0.00018329	No
						Poldip3	23.2061	13.6705	-0.763437	23.2071	13.6715	-0.7633947	0.00567465	No

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						Pole2	8.82858	1.06661	-3.04915	8.82958	1.06761	-3.0479601	0.00018329	No
						Polh	4.96193	2.79079	-0.830227	4.96293	2.79179	-0.8300017	0.0397771	No
						Poli	2.88831	1.2235	-1.23921	2.88931	1.2245	-1.2385322	0.00845618	No
						Polk	2.91333	1.73777	-0.745433	2.91433	1.73877	-0.7450971	0.0348348	No
						Polm	17.4974	5.65248	-1.63018	17.4984	5.65348	-1.6300119	0.00018329	No
						Polr1b	17.7072	6.63837	-1.41544	17.7082	6.63937	-1.4152993	0.00018329	No
						Polr1e	23.0903	10.2286	-1.17468	23.0913	10.2296	-1.1745997	0.00018329	No
						Polr2a	59.3934	29.7764	-0.996131	59.3944	29.7774	-0.9961091	0.00051281	No
						Polr2c	34.4561	56.8495	0.722389	34.4571	56.8505	0.72237175	0.0357237	No
						Polr2d	60.785	30.1342	-1.01231	60.786	30.1352	-1.0122894	0.00035173	No
						Polr2f	22.2347	42.0787	0.920279	22.2357	42.0797	0.9202466	0.00140841	No
						Polr2k	39.7795	69.5092	0.805178	39.7805	69.5102	0.80516329	0.0476294	No
						Polr3b	8.86598	5.69954	-0.637435	8.86698	5.70054	-0.6373442	0.0344723	No
						Polr3c	20.7436	13.4015	-0.630279	20.7446	13.4025	-0.6302337	0.0354586	No
						Polr3e	24.3544	11.8748	-1.03628	24.3554	11.8758	-1.036217	0.00051281	No
						Polr3f	7.23196	2.83798	-1.34952	7.23296	2.83898	-1.3492135	0.00419853	No
						Polr3g	5.83121	3.4367	-0.762769	5.83221	3.4377	-0.762599	0.0251381	No
						Pom121	14.0045	6.20074	-1.17538	14.0055	6.20174	-1.1752485	0.00018329	No
						Pomgnt1	9.80087	22.1148	1.17403	9.80187	22.1158	1.17394851	0.00035173	No
						Pomk	21.5549	13.2727	-0.699551	21.5559	13.2737	-0.6995122	0.00970533	No
						Pomt2	30.9002	14.8413	-1.05799	30.9012	14.8423	-1.0579482	0.0177018	No
						Pon2	100.098	33.6096	-1.57447	100.099	33.6106	-1.5744394	0.00018329	No
						Pon3	0.049263	9.03985	7.51965	0.050263	9.04085	7.49081783	0.00051281	No
						Pop1	2.90909	6.74646	1.21356	2.91009	6.74746	1.21328075	0.00277264	No
						Popdc2	0.44881	1.52165	1.76146	0.44981	1.52265	1.75919672	0.0026435	No
						Por	17.9244	33.6095	0.906944	17.9254	33.6105	0.90690669	0.00082046	No
						Porcn	0.20104	6.92562	5.10639	0.20204	6.92662	5.09943868	0.00018329	No
						Pot1	16.2422	5.48484	-1.56622	16.2432	5.48584	-1.5660514	0.00018329	No
						Pot1b	14.9216	4.69623	-1.66783	14.9226	4.69723	-1.6676168	0.00018329	No
						Pou2af1	9.21242	3.22079	-1.51617	9.21342	3.22179	-1.5158743	0.00018329	No
						Ppa2	26.2624	60.3613	1.20062	26.2634	60.3623	1.20059408	0.00051281	No
						Ppap2a	1.83281	77.9053	5.40959	1.83381	77.9063	5.40882392	0.00018329	No
						Ppap2b	0.112154	33.0274	8.20203	0.113154	33.0284	8.18927569	0.00035173	No
						Ppap2c	3.64443	36.2563	3.31447	3.64543	36.2573	3.31411059	0.00018329	No
						Ppapdc2	14.3141	8.75715	-0.708908	14.3151	8.75815	-0.7088397	0.0132293	No
						Ppard	4.50714	11.1993	1.31312	4.50814	11.2003	1.31293315	0.00018329	No
						Pparg	0.0635743	4.70369	6.2092	0.0645743	4.70469	6.18699575	0.00018329	No
						Ppcdc	4.32239	9.33888	1.11142	4.32339	9.33988	1.11124103	0.0031651	No
						Ppdf	79.2689	142.961	0.850795	79.2699	142.962	0.85078666	0.00140841	No
						Ppfibp1	8.6807	40.0216	2.2049	8.6817	40.0226	2.20476542	0.00018329	No
						Ppfibp2	0.171352	8.61398	5.65164	0.172352	8.61498	5.6434175	0.00018329	No
						Pphln1	15.0665	6.84585	-1.13804	15.0675	6.84685	-1.1379278	0.00035173	No

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						Ppic	0	59.0838	inf	0.001	59.0848	15.8504994	0.00018329	No
						Ppid	50.7647	30.8633	-0.717933	50.7657	30.8643	-0.717915	0.0152837	No
						Ppie	49.6985	28.9487	-0.779704	49.6995	28.9497	-0.7796829	0.0066167	No
						Ppig	35.2905	17.8506	-0.983307	35.2915	17.8516	-0.9832674	0.00066911	No
						Ppil4	20.3534	6.61904	-1.62057	20.3544	6.62004	-1.6204289	0.00018329	No
						Ppip5k1	3.71719	14.7687	1.99026	3.71819	14.7697	1.98996812	0.00018329	No
						Ppm1a	59.5557	33.2224	-0.842082	59.5567	33.2234	-0.8420641	0.015491	No
						Ppm1b	74.2851	26.2503	-1.50074	74.2861	26.2513	-1.5007034	0.00140841	No
						Ppm1d	20.2821	8.34969	-1.28041	20.2831	8.35069	-1.2803109	0.0018326	No
						Ppm1f	9.12774	4.10298	-1.15359	9.12874	4.10398	-1.153392	0.00018329	No
						Ppm1l	0.704963	1.80955	1.36001	0.705963	1.81055	1.35876354	0.0232058	No
						Ppm1m	4.45394	2.33829	-0.929627	4.45494	2.33929	-0.9293353	0.0458374	No
						Ppox	7.86527	20.4505	1.37857	7.86627	20.4515	1.37845505	0.00035173	No
						PPP1ca	342.85	168.074	-1.02848	342.851	168.075	-1.0284766	0.0016929	No
						PPP1r10	16.4472	9.35473	-0.814075	16.4482	9.35573	-0.8140076	0.0031651	No
						PPP1r12a	43.63	10.3788	-2.07168	43.631	10.3798	-2.0715749	0.00018329	No
						PPP1r12b	8.30917	4.35093	-0.933382	8.31017	4.35193	-0.9332226	0.00066911	No
						PPP1r13b	2.23293	6.16005	1.46401	2.23393	6.16105	1.46359226	0.00035173	No
						PPP1r13l	0.288064	5.01217	4.12097	0.289064	5.01317	4.11626231	0.00018329	No
						PPP1r14c	0	1.42993	inf	0.001	1.43093	10.4827374	0.00018329	No
						PPP1r16a	1.92187	23.2073	3.594	1.92287	23.2083	3.59330772	0.00018329	No
						PPP1r16b	35.3568	8.13781	-2.11928	35.3578	8.13881	-2.1191387	0.00018329	No
						PPP1r18	62.1204	26.5753	-1.22498	62.1214	26.5763	-1.2249501	0.00981659	No
						PPP1r1a	0.0367743	747.893	14.3118	0.0377743	747.894	14.2731412	0.0369285	No
						PPP1r2	101.999	47.3659	-1.10664	102	47.3669	-1.106618	0.0280932	No
						PPP1r26	0.274657	2.18609	2.99265	0.275657	2.18709	2.98806645	0.00018329	No
						PPP1r36	0.622568	31.0965	5.64237	0.623568	31.0975	5.6401079	0.0026435	No
						PPP1r37	17.5722	28.8009	0.712818	17.5732	28.8019	0.71278706	0.0111567	No
						PPP1r3b	0.309386	1.55925	2.33337	0.310386	1.56025	2.32964182	0.00018329	No
						PPP1r3c	0	1.2618	inf	0.001	1.2628	10.3024105	0.00018329	No
						PPP1r3g	4.96715	0.33579	-3.88678	4.96815	0.33679	-3.8827875	0.00111812	No
						PPP1r8	24.5325	15.7915	-0.63554	24.5335	15.7925	-0.6355135	0.0347435	No
						PPP1r9a	0	4.52739	inf	0.001	4.52839	12.1447825	0.00018329	No
						PPP2ca	144.07	96.9852	-0.570929	144.071	96.9862	-0.5709286	0.031236	No
						PPP2cb	37.9143	90.8937	1.26144	37.9153	90.8947	1.26141604	0.00018329	No
						PPP2r1a	65.4807	102.369	0.644634	65.4817	102.37	0.64462931	0.0201703	No
						PPP2r1b	8.27243	20.5748	1.31449	8.27343	20.5758	1.31439105	0.00018329	No
						PPP2r2a	59.4041	32.0138	-0.891868	59.4051	32.0148	-0.8918478	0.00126492	No
						PPP2r2b	0	6.37788	inf	0.001	6.37888	12.6390874	0.00018329	No
						PPP2r2c	0	0.988844	inf	0.001	0.989844	9.95105736	0.00018329	No
						PPP2r3a	0.13136	8.32587	5.98601	0.13236	8.32687	5.9752352	0.00111812	No
						PPP2r5a	121.201	81.0036	-0.581342	121.202	81.0046	-0.5813378	0.0367562	No

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						Ppp2r5c	141.237	37.4808	-1.9139	141.238	37.4818	-1.9138662	0.00018329	No
						Ppp3r1	63.1843	34.162	-0.887176	63.1853	34.163	-0.8871543	0.00018329	No
						Ppp4c	89.5168	54.3671	-0.719426	89.5178	54.3681	-0.7194142	0.00567465	No
						Ppp4r2	42.2325	22.6735	-0.897351	42.2335	22.6745	-0.8973171	0.00018329	No
						Ppp4r4	2.85812	1.25371	-1.18887	2.85912	1.25471	-1.1882172	0.0076683	No
						Ppp5c	31.5639	46.4139	0.55628	31.5649	46.4149	0.55626683	0.0384488	No
						Ppp6r1	144.33	87.1711	-0.727447	144.331	87.1721	-0.7274428	0.0218106	No
						Ppp6r2	35.0789	15.6338	-1.16594	35.0799	15.6348	-1.1658839	0.0239196	No
						Pprc1	9.04157	4.84445	-0.900241	9.04257	4.84545	-0.9001022	0.00290302	No
						Pqbp1	69.4709	40.6111	-0.774534	69.4719	40.6121	-0.7745199	0.0142025	No
						PQLC1	4.4135	32.837	2.89533	4.4145	32.838	2.89504431	0.00018329	No
						Pqlc2	1.74216	3.65479	1.06891	1.74316	3.65579	1.0684782	0.0361976	No
						Pqlc3	1.54416	3.95253	1.35596	1.54516	3.95353	1.35538514	0.00777671	No
						Pragmin	1.07826	5.47821	2.345	1.07926	5.47921	2.34392544	0.00018329	No
						Pram1	0.36952	3.77959	3.35451	0.37052	3.78059	3.35098808	0.00018329	No
						Prc1	0.818738	4.41746	2.43174	0.819738	4.41846	2.43030884	0.00018329	No
						Prdm1	1.53303	0.714733	-1.10091	1.53403	0.715733	-1.0998333	0.00755425	No
						Prdm10	2.57472	0.897683	-1.52014	2.57572	0.898683	-1.5190916	0.00018329	No
						Prdm15	5.87272	2.18322	-1.42757	5.87372	2.18422	-1.4271563	0.00018329	No
						Prdm16	0.052452	0.908395	4.11425	0.053452	0.909395	4.08859124	0.00082046	No
						Prdm2	24.6769	14.0829	-0.809217	24.6779	14.0839	-0.8091727	0.0279905	No
						Prdm9	0.44368	1.00657	1.18186	0.44468	1.00757	1.18004065	0.0444336	No
						Prdx1	153.415	235.129	0.616011	153.416	235.13	0.61600967	0.0164547	No
						Prdx2	155.759	388.349	1.31803	155.76	388.35	1.31803268	0.00018329	No
						Prdx3	21.9251	66.2441	1.59521	21.9261	66.2451	1.59516452	0.00018329	No
						Prdx5	93.9863	790.104	3.07152	93.9873	790.105	3.07150666	0.00018329	No
						Prdx6	69.9569	134.831	0.94661	69.9579	134.832	0.94660405	0.00018329	No
						Preb	14.6736	30.327	1.04738	14.6746	30.328	1.04732918	0.00210945	No
						Prelp	0.0360606	41.9346	10.1835	0.0370606	41.9356	10.1440735	0.0361976	No
						Prex1	100.084	22.6834	-2.14149	100.085	22.6844	-2.1414534	0.00018329	No
						Prf1	38.3556	4.83467	-2.98795	38.3566	4.83567	-2.9876871	0.00018329	No
						Prickle1	0.129424	2.42718	4.22911	0.130424	2.42818	4.2185941	0.00018329	No
						Prim1	20.4894	11.2353	-0.866832	20.4904	11.2363	-0.8667811	0.00530972	No
						Prkaa1	23.5523	11.0085	-1.09724	23.5533	11.0095	-1.0971803	0.00082046	No
						Prkaa2	0.0230165	6.88093	8.22379	0.0240165	6.88193	8.16264349	0.00018329	No
						Prkab1	46.8083	90.9925	0.958983	46.8093	90.9935	0.9589683	0.00018329	No
						Prkacb	49.7512	15.5615	-1.67675	49.7522	15.5625	-1.6766865	0.00018329	No
						Prkar2b	32.0022	6.57164	-2.28384	32.0032	6.57264	-2.2836713	0.00018329	No
						Prkca	17.4636	5.75575	-1.60127	17.4646	5.75675	-1.6011071	0.00018329	No
						Prkcb	68.9607	10.4341	-2.72446	68.9617	10.4351	-2.7243509	0.00018329	No
						Prkcd	12.0957	32.1737	1.41139	12.0967	32.1747	1.41131317	0.00018329	No
						Prkch	122.399	19.707	-2.63481	122.4	19.708	-2.6347503	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prkci	6.54409	20.0234	1.61342	6.54509	20.0244	1.61327408	0.00018329	No
						Prkccq	164.667	48.824	-1.75389	164.668	48.825	-1.7538683	0.00018329	No
						Prkcz	4.00773	29.0475	2.85756	4.00873	29.0485	2.85724651	0.00018329	No
						Prkd2	84.8963	28.5867	-1.57036	84.8973	28.5877	-1.5703241	0.00018329	No
						Prkd3	21.4933	6.4632	-1.73357	21.4943	6.4642	-1.7334104	0.00018329	No
						Prkdc	10.7163	3.1591	-1.76222	10.7173	3.1601	-1.7618994	0.00018329	No
						Prkra	10.3068	40.6389	1.97927	10.3078	40.6399	1.9791604	0.00018329	No
						Prkrir	30.3447	10.8546	-1.48314	30.3457	10.8556	-1.4830526	0.00018329	No
						Prkx	11.6048	7.55833	-0.618583	11.6058	7.55933	-0.6185157	0.0267263	No
						Prlr	0.037603	8.0359	7.73947	0.038603	8.0369	7.70178235	0.0133341	No
						Prmt3	19.1234	6.51672	-1.55312	19.1244	6.51772	-1.5529752	0.00018329	No
						Prmt6	4.85175	1.84904	-1.39173	4.85275	1.85004	-1.3912461	0.00018329	No
						Prmt7	15.7131	8.42389	-0.899406	15.7141	8.42489	-0.8993299	0.00481718	No
						Prnp	15.3633	24.0907	0.648986	15.3643	24.0917	0.64895416	0.022325	No
						Prodh2	0	43.3904	inf	0.001	43.3914	15.4051215	0.00018329	No
						Prom1	0.912812	21.8557	4.58155	0.913812	21.8567	4.5800344	0.00018329	No
						Pros1	1.3611	4.39639	1.69155	1.3621	4.39739	1.69081487	0.00018329	No
						Prosc	22.1887	36.5679	0.720751	22.1897	36.5689	0.72072707	0.017077	No
						Proser1	9.57938	4.17294	-1.19887	9.58038	4.17394	-1.198673	0.00018329	No
						Prox1	0	1.05961	inf	0.001	1.06061	10.0506785	0.00018329	No
						Prpf18	29.3857	16.6625	-0.818515	29.3867	16.6635	-0.8184719	0.0338104	No
						Prpf38a	34.2964	19.7974	-0.792749	34.2974	19.7984	-0.7927154	0.00406781	No
						Prpf38b	66.5085	31.5765	-1.07469	66.5095	31.5775	-1.0746635	0.00126492	No
						Prpf39	59.8748	28.0443	-1.09424	59.8758	28.0453	-1.094214	0.00035173	No
						Prpf4	19.966	8.87629	-1.16952	19.967	8.87729	-1.1694264	0.00018329	No
						Prpf40a	28.8282	11.8472	-1.28294	28.8292	11.8482	-1.2828629	0.00018329	No
						Prpf8	43.7304	19.3813	-1.17397	43.7314	19.3823	-1.1739298	0.00018329	No
						Prph	0	1.40395	inf	0.001	1.40495	10.4563031	0.00018329	No
						PRPS1	32.0282	10.2622	-1.642	32.0292	10.2632	-1.6419071	0.00018329	No
						Prps2	64.5	30.8414	-1.06443	64.501	30.8424	-1.0644065	0.00018329	No
						Prr12	11.8123	7.7774	-0.602927	11.8133	7.7784	-0.6028667	0.0295293	No
						Prr13	235.478	91.9184	-1.35716	235.479	91.9194	-1.3571571	0.00018329	No
						Prr14	32.9326	12.8921	-1.35303	32.9336	12.8931	-1.352961	0.0016929	No
						Prr14l	9.07193	5.08771	-0.834393	9.07293	5.08871	-0.8342686	0.0160313	No
						Prr15l	0	66.4625	inf	0.001	66.4635	16.0202746	0.00018329	No
						Prr16	0	0.616817	inf	0.001	0.617817	9.27103576	0.00018329	No
						Prr5	1.149	8.52902	2.892	1.15	8.53002	2.89091526	0.00018329	No
						Prrc2b	35.9764	18.6688	-0.94642	35.9774	18.6698	-0.9463845	0.00082046	No
						Prrg1	0	0.895502	inf	0.001	0.896502	9.80816299	0.00018329	No
						Prrg2	0.415762	13.7877	5.05148	0.416762	13.7887	5.0481189	0.00018329	No
						Prss12	0	4.47598	inf	0.001	4.47698	12.1283102	0.00018329	No
						Prss22	0	8.42056	inf	0.001	8.42156	13.0398718	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prss23	0	111.358	inf	0.001	111.359	16.7648586	0.00018329	No
						Prss30	0.581078	2.93888	2.33846	0.582078	2.93988	2.33647287	0.0191514	No
						Prss53	1.035	15.9484	3.94571	1.036	15.9494	3.94440624	0.00018329	No
						Prtfdc1	1.26624	4.74628	1.90625	1.26724	4.74728	1.90541136	0.0159271	No
						Prune	6.89865	16.3239	1.2426	6.89965	16.3249	1.24247907	0.00567465	No
						Prx	0.0785384	0.805533	3.35847	0.0795384	0.806533	3.34201012	0.00066911	No
						Psap	145.084	393.306	1.43876	145.085	393.307	1.43875749	0.00018329	No
						Psat1	7.15822	31.0003	2.11461	7.15922	31.0013	2.1144544	0.00018329	No
						Psca	0.0337449	99.5615	11.5267	0.0347449	99.5625	11.4845855	0.0148363	No
						Psd3	0.037795	0.783869	4.37434	0.038795	0.784869	4.33850925	0.0219099	No
						Psd4	39.805	8.56208	-2.21692	39.806	8.56308	-2.2167842	0.00018329	No
						Psip1	74.0181	12.2953	-2.58977	74.0191	12.2963	-2.5896733	0.00018329	No
						Psemb11	0.215563	1.41177	2.71132	0.216563	1.41277	2.70566793	0.00329119	No
						Psemb9	183.835	77.3368	-1.24919	183.836	77.3378	-1.2491737	0.00018329	No
						Psm13	85.5072	56.4992	-0.597816	85.5082	56.5002	-0.5978068	0.0206835	No
						Psm14	62.8832	34.5486	-0.864048	62.8842	34.5496	-0.8640286	0.00051281	No
						Psm8	39.2726	75.1182	0.935638	39.2736	75.1192	0.93562185	0.00018329	No
						Psm1	972.165	515.716	-0.914624	972.166	515.717	-0.9146231	0.00097029	No
						Psmg1	35.0167	60.2424	0.782738	35.0177	60.2434	0.78271887	0.00555427	No
						PSMG3	18.5922	35.381	0.928277	18.5932	35.382	0.92824051	0.00811172	No
						Psph	13.681	23.8368	0.801022	13.682	23.8378	0.80097196	0.0136625	No
						Pstpip1	125.522	58.0062	-1.11366	125.523	58.0072	-1.1136479	0.00018329	No
						Ptafr	0.469029	2.38383	2.34553	0.470029	2.38483	2.34306475	0.00018329	No
						Ptbp2	18.4927	6.8697	-1.42864	18.4937	6.8707	-1.4285049	0.00018329	No
						Ptbp3	60.3933	19.157	-1.65651	60.3943	19.158	-1.6564654	0.00018329	No
						Ptch1	3.12332	8.56176	1.45483	3.12432	8.56276	1.45453366	0.00018329	No
						Ptchd3	0	1.27872	inf	0.001	1.27972	10.3216125	0.00018329	No
						Ptdss1	28.5191	11.3508	-1.32913	28.5201	11.3518	-1.329058	0.0272082	No
						Pten	57.2317	22.4514	-1.35001	57.2327	22.4524	-1.34997	0.00018329	No
						Pter	1.42588	42.1732	4.8864	1.42688	42.1742	4.88542479	0.00018329	No
						Ptger2	12.7049	3.99222	-1.67012	12.7059	3.99322	-1.6698741	0.00018329	No
						Ptger3	1.43002	73.361	5.68091	1.43102	73.362	5.67991723	0.00018329	No
						Ptger4	21.5615	8.51146	-1.34098	21.5625	8.51246	-1.3408764	0.0307576	No
						Ptges2	10.2485	36.4283	1.82965	10.2495	36.4293	1.82954574	0.00018329	No
						Ptges3	133.851	89.8904	-0.574391	133.852	89.8914	-0.5743837	0.031236	No
						Ptges3l1	13.3018	2.94005	-2.17771	13.3028	2.94105	-2.1773267	0.00035173	No
						Ptgr1	0	1.80067	inf	0.001	1.80167	10.8151191	0.00018329	No
						Ptgrn	0.420176	20.5282	5.61047	0.421176	20.5292	5.60711037	0.00018329	No
						Ptgr2	11.581	33.9621	1.55216	11.582	33.9631	1.55208375	0.00018329	No
						Ptgs1	0.383546	13.3377	5.11997	0.384546	13.3387	5.11631807	0.00018329	No
						Pth1r	0	118.327	inf	0.001	118.328	16.852432	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ptk2	2.54875	19.8517	2.9614	2.54975	19.8527	2.96090753	0.00018329	No
						Ptk2b	64.152	20.2334	-1.66476	64.153	20.2344	-1.6647067	0.00018329	No
						Ptn	0	12.0684	inf	0.001	12.0694	13.5590663	0.00018329	No
						PTP4A2	384.663	188.694	-1.02755	384.664	188.695	-1.0275426	0.0031651	No
						Ptpdc1	2.88981	8.2366	1.51108	2.89081	8.2376	1.51075028	0.00035173	No
						Ptpla	1.03102	6.37849	2.62914	1.03202	6.37949	2.62797016	0.00035173	No
						Ptplad1	7.35991	14.447	0.973007	7.36091	14.448	0.97291376	0.00097029	No
						Ptplad2	0.241785	15.3055	5.98418	0.242785	15.3065	5.97832133	0.00445502	No
						Ptpmt1	6.80342	25.5305	1.90789	6.80442	25.5315	1.9077342	0.0351863	No
						Ptpn1	31.2866	10.914	-1.51936	31.2876	10.915	-1.5192789	0.00018329	No
						Ptpn12	11.736	18.5364	0.65942	11.737	18.5374	0.65937521	0.018521	No
						Ptpn13	0.783914	76.4227	6.60716	0.784914	76.4237	6.6053417	0.00018329	No
						Ptpn18	200.991	90.8073	-1.14625	200.992	90.8083	-1.146242	0.00018329	No
						PTPN2	60.0712	27.4462	-1.13007	60.0722	27.4472	-1.1300385	0.00018329	No
						Ptpn21	0.0872416	6.17224	6.14463	0.0882416	6.17324	6.12842512	0.00018329	No
						Ptpn22	173.141	27.4341	-2.65791	173.142	27.4351	-2.657861	0.00018329	No
						Ptpn23	5.35835	12.0407	1.16806	5.35935	12.0417	1.16790914	0.00018329	No
						Ptpn7	14.5728	8.25155	-0.820537	14.5738	8.25255	-0.8204652	0.0063852	No
						Ptprb	0	2.15124	inf	0.001	2.15224	11.0716232	0.00018329	No
						Ptprc	667.437	43.9734	-3.92393	667.438	43.9744	-3.923898	0.00018329	No
						Ptprcap	658.747	162.115	-2.02271	658.748	162.116	-2.0227002	0.00126492	No
						Ptprd	0	7.72799	inf	0.001	7.72899	12.9160642	0.00018329	No
						Ptprf	13.2682	39.5679	1.57636	13.2692	39.5689	1.57628557	0.00018329	No
						PTPRG	0.181641	3.35966	4.20915	0.182641	3.36066	4.20166202	0.00018329	No
						Ptprj	1.31871	9.64224	2.87024	1.31971	9.64324	2.86929702	0.00111812	No
						Ptprk	2.04485	17.7717	3.11952	2.04585	17.7727	3.11889059	0.00018329	No
						Ptprm	0.707242	9.88234	3.80458	0.708242	9.88334	3.80268437	0.00018329	No
						Ptpro	1.01472	12.6595	3.64108	1.01572	12.6605	3.63975972	0.00018329	No
						Ptprr	0	8.51446	inf	0.001	8.51546	13.0558688	0.00018329	No
						Pttg1	3.23872	12.4276	1.94005	3.23972	12.4286	1.93972276	0.00018329	No
						Pttg1ip	41.5354	201.241	2.27651	41.5364	201.242	2.27648335	0.00018329	No
						Pum1	55.1672	16.9664	-1.70113	55.1682	16.9674	-1.7010714	0.00018329	No
						Pum2	92.4953	27.3792	-1.7563	92.4963	27.3802	-1.7562627	0.00018329	No
						Pus1	39.1163	23.1449	-0.757073	39.1173	23.1459	-0.7570501	0.00811172	No
						Pus10	6.97889	2.63187	-1.40691	6.97989	2.63287	-1.406568	0.0322893	No
						Pus3	20.4191	6.48259	-1.65528	20.4201	6.48359	-1.6551252	0.00018329	No
						Pus7	4.44732	2.36739	-0.909642	4.44832	2.36839	-0.9093539	0.0164547	No
						Pus7l	7.24627	2.24871	-1.68814	7.24727	2.24971	-1.6876986	0.00579773	No
						PVR	1.28839	5.31961	2.04575	1.28939	5.32061	2.04490296	0.00018329	No
						Pvrl3	0.0529209	5.3325	6.65483	0.0539209	5.3335	6.6280942	0.00018329	No
						Pwwp2a	29.7622	8.76465	-1.76371	29.7632	8.76565	-1.7635967	0.00018329	No
						Pxdn	0.019963	1.30007	6.02512	0.020963	1.30107	5.95570958	0.0345543	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pxk	19.9867	31.4464	0.65386	19.9877	31.4474	0.65382827	0.0286648	No
						Pxmp2	1.67026	26.2007	3.97146	1.67126	26.2017	3.97065232	0.00018329	No
						Pycard	129.552	64.5977	-1.00397	129.553	64.5987	-1.0039654	0.00018329	No
						Pygl	24.4096	9.88846	-1.30363	24.4106	9.88946	-1.3035441	0.00018329	No
						Qars	81.3661	50.3686	-0.691903	81.3671	50.3696	-0.6918923	0.00721079	No
						Qdpr	39.1468	62.472	0.674315	39.1478	62.473	0.67430158	0.0146209	No
						QK	24.9402	15.0765	-0.726175	24.9412	15.0775	-0.7261336	0.00445502	No
						Qprt	55.6483	27.8565	-0.998326	55.6493	27.8575	-0.9982977	0.00856745	No
						Qrs1	6.29087	11.2233	0.835161	6.29187	11.2243	0.83506471	0.0110491	No
						Qser1	0.716952	1.64988	1.20241	0.717952	1.65088	1.20127596	0.00469886	No
						Qsox1	2.3301	7.69568	1.72365	2.3311	7.69668	1.72322537	0.00018329	No
						Qtrtd1	4.36462	1.45008	-1.58973	4.36562	1.45108	-1.5890595	0.00018329	No
						R3hdm1	20.4075	7.23471	-1.49609	20.4085	7.23571	-1.4959637	0.00018329	No
						Rab1	24.935	68.0715	1.44888	24.936	68.0725	1.44884203	0.00018329	No
						Rab11a	35.7168	89.4101	1.32383	35.7178	89.4111	1.32381072	0.00035173	No
						Rab11b	108.433	157.055	0.534461	108.434	157.056	0.53446187	0.0451903	No
						Rab11fip1	2.19797	15.4995	2.81798	2.19897	15.5005	2.81741493	0.00018329	No
						Rab11fip4	56.6993	16.0872	-1.81742	56.7003	16.0882	-1.8173534	0.00018329	No
						Rab11fip5	0.365293	21.7757	5.89752	0.366293	21.7767	5.89364341	0.00018329	No
						Rab12	11.4638	22.8474	0.994945	11.4648	22.8484	0.99488195	0.0243241	No
						Rab13	0.132232	26.7598	7.66085	0.133232	26.7608	7.6500368	0.00018329	No
						Rab17	0	136.915	inf	0.001	136.916	17.0629315	0.00018329	No
						Rab18	15.183	35.2664	1.21584	15.184	35.2674	1.21578332	0.00018329	No
						Rab19	13.3297	4.90329	-1.44283	13.3307	4.90429	-1.4426363	0.00018329	No
						Rab20	3.22628	23.9666	2.89308	3.22728	23.9676	2.89269479	0.00018329	No
						Rab23	5.35259	15.5201	1.53583	5.35359	15.5211	1.53565225	0.00018329	No
						Rab25	10.619	42.4391	1.99875	10.62	42.4401	1.99864429	0.00018329	No
						Rab27a	97.7487	15.4652	-2.66005	97.7497	15.4662	-2.6599735	0.00018329	No
						Rab30	0.0839307	0.862573	3.36138	0.0849307	0.863573	3.34596009	0.0018326	No
						Rab31	1.20469	5.03047	2.06204	1.20569	5.03147	2.06112094	0.00018329	No
						Rab32	0.179921	6.45839	5.16574	0.180921	6.45939	5.15796615	0.00018329	No
						Rab33a	13.3299	7.04853	-0.919275	13.3309	7.04953	-0.9191752	0.0281852	No
						Rab33b	7.56176	4.14987	-0.865655	7.56276	4.15087	-0.8654991	0.00555427	No
						Rab35	77.9061	30.0417	-1.37477	77.9071	30.0427	-1.3747403	0.00406781	No
						RAB37	38.5626	4.16377	-3.21124	38.5636	4.16477	-3.210931	0.00018329	No
						Rab38	0.0530737	2.47436	5.54291	0.0540737	2.47536	5.51656747	0.0444336	No
						Rab3d	13.089	7.1735	-0.867602	13.09	7.1745	-0.8675149	0.00834357	No
						Rab3ip	448.601	78.2451	-2.51936	448.602	78.2461	-2.5193453	0.00018329	No
						Rab40b	0.169839	1.99754	3.55599	0.170839	1.99854	3.54823718	0.0016929	No
						Rab4a	12.7832	29.402	1.20167	12.7842	29.403	1.20160148	0.00650199	No
						Rab6b	0.240911	1.29715	2.42877	0.241911	1.29815	2.42390882	0.00018329	No
						Rab7a	100.116	165.888	0.728534	100.117	165.889	0.72853126	0.0063852	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RAB7B	0.204364	1.90194	3.21825	0.205364	1.90294	3.21197487	0.0225266	No
						Rab7l1	123.787	81.5616	-0.601903	123.788	81.5626	-0.6018918	0.0258543	No
						Rab8a	185.408	79.7877	-1.21646	185.409	79.7887	-1.2164549	0.00018329	No
						Rab9a	22.0674	46.3024	1.06917	22.0684	46.3034	1.0691361	0.00018329	No
						Rabepk	6.40155	10.791	0.753337	6.40255	10.792	0.75324373	0.0296252	No
						Rabl2a	0.183665	16.983	6.53087	0.184665	16.984	6.52312201	0.00018329	No
						Rabl3	2.37782	4.2042	0.822196	2.37882	4.2052	0.82192831	0.0374015	No
						Rabl5	0.633857	9.76844	3.9459	0.634857	9.76944	3.9437723	0.00018329	No
						Rac2	1230.16	271.507	-2.17978	1230.161	271.508	-2.1797805	0.00018329	No
						Rad1	16.5896	5.76948	-1.52377	16.5906	5.77048	-1.5236028	0.00018329	No
						Rad21	64.2362	41.8264	-0.618975	64.2372	41.8274	-0.6189607	0.0225266	No
						Rad50	10.7335	7.04359	-0.607742	10.7345	7.04459	-0.6076673	0.041088	No
						Rae1	46.7275	23.1272	-1.01468	46.7285	23.1282	-1.0146497	0.00051281	No
						Rai14	0.00722896	8.6198	10.2197	0.00822896	8.6208	10.0328959	0.0203707	No
						Rai2	0	4.38287	inf	0.001	4.38387	12.0979893	0.00018329	No
						Ralb	6.41685	20.8743	1.70179	6.41785	20.8753	1.70163495	0.00018329	No
						Ralgapb	12.312	8.22528	-0.581927	12.313	8.22628	-0.5818702	0.0321839	No
						Ralgps2	13.2023	1.76613	-2.90213	13.2033	1.76713	-2.9014185	0.00018329	No
						Raly	306.967	144.572	-1.0863	306.968	144.573	-1.0862901	0.00018329	No
						Ramp2	0.588731	19.8496	5.07535	0.589731	19.8506	5.07298177	0.00018329	No
						Ramp3	3.08152	9.28182	1.59076	3.08252	9.28282	1.59045289	0.00018329	No
						Ranbp10	22.6208	9.4631	-1.25726	22.6218	9.4641	-1.2571765	0.00018329	No
						Ranbp6	6.08515	2.50394	-1.28109	6.08615	2.50494	-1.2807538	0.00018329	No
						Ranbp9	45.5799	19.536	-1.22226	45.5809	19.537	-1.2222205	0.00018329	No
						Rangap1	50.6696	28.7171	-0.81921	50.6706	28.7181	-0.8191886	0.00082046	No
						Rap1a	157.675	47.6105	-1.72761	157.676	47.6115	-1.7275811	0.00018329	No
						Rap1b	258.994	78.3785	-1.72439	258.995	78.3795	-1.724376	0.00018329	No
						RAP1GAP	0.0456375	68.4893	10.5514	0.0466375	68.4903	10.5201935	0.00018329	No
						Rap1gap2	4.05921	18.2052	2.16508	4.06021	18.2062	2.16480358	0.00018329	No
						Rap1gds1	29.9411	9.83519	-1.6061	29.9421	9.83619	-1.6060039	0.00018329	No
						Rap2b	13.5993	3.93531	-1.78899	13.6003	3.93631	-1.7887227	0.00154856	No
						Rap2c	28.4128	6.41708	-2.14655	28.4138	6.41808	-2.1463781	0.00018329	No
						Rapgef1	21.8445	12.4004	-0.816881	21.8455	12.4014	-0.8168331	0.0016929	No
						Rapgef2	9.58545	3.99024	-1.26437	9.58645	3.99124	-1.2641596	0.00469886	No
						Rapgef3	0.0420034	14.2429	8.40552	0.0430034	14.2439	8.37167777	0.00018329	No
						Rapgef4	0	0.590448	inf	0.001	0.591448	9.20810752	0.00018329	No
						Rapgef5	0.156652	0.790778	2.33571	0.157652	0.791778	2.32835251	0.00018329	No
						Rapgef6	42.3979	3.0089	-3.81668	42.3989	3.0099	-3.8162394	0.00018329	No
						RAPGEFL1	0.0886266	3.8582	5.44405	0.0896266	3.8592	5.42823103	0.00018329	No
						Rapsn	0.671436	14.434	4.42608	0.672436	14.435	4.42403033	0.00018329	No
						Rars2	4.8122	9.50304	0.981691	4.8132	9.50404	0.98154454	0.0420159	No
						Rasa1	25.2555	9.55899	-1.40167	25.2565	9.55999	-1.4015737	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rasa2	6.97392	2.60755	-1.41927	6.97492	2.60855	-1.4189286	0.00018329	No
						Rasa3	65.931	3.84443	-4.10012	65.932	3.84543	-4.099762	0.00018329	No
						RASA4	25.9929	9.47745	-1.45555	25.9939	9.47845	-1.45545	0.00018329	No
						Rasal3	86.5022	18.3749	-2.235	86.5032	18.3759	-2.2349386	0.00018329	No
						Rasd1	0.759969	20.8674	4.77917	0.760969	20.8684	4.7773385	0.00018329	No
						Rasd2	0	1.03741	inf	0.001	1.03841	10.0201605	0.00018329	No
						Rasgef1b	20.6921	11.0465	-0.905494	20.6931	11.0475	-0.9054299	0.00277264	No
						Rasgrp1	79.297	8.18434	-3.27633	79.298	8.18534	-3.2761702	0.00018329	No
						Rasgrp3	0.473376	4.8515	3.35737	0.474376	4.8525	3.35462529	0.032482	No
						Rasip1	0.92071	3.19488	1.79494	0.92171	3.19588	1.79382843	0.00018329	No
						Rasl10a	0.0491018	6.67397	7.08663	0.0501018	6.67497	7.05775511	0.0222154	No
						Rasl11a	0.446556	10.5003	4.55545	0.447556	10.5013	4.55235592	0.00018329	No
						Rasl11b	1.73035	19.3943	3.48649	1.73135	19.3953	3.48573778	0.00018329	No
						Rassf2	22.5804	6.47801	-1.80145	22.5814	6.47901	-1.8012896	0.00018329	No
						Rassf4	0.28142	3.36266	3.57881	0.28242	3.36366	3.57411772	0.00277264	No
						Rassf5	61.1907	15.2822	-2.00146	61.1917	15.2832	-2.0013893	0.00018329	No
						Rassf6	0.130637	24.6251	7.55842	0.131637	24.6261	7.54747931	0.00018329	No
						Rassf8	0.108576	20.3265	7.54851	0.109576	20.3275	7.53535714	0.00018329	No
						Rassf9	0	6.28077	inf	0.001	6.28177	12.6169554	0.00018329	No
						RatNP-3b	0	2.24286	inf	0.001	2.24386	11.131767	0.00018329	No
						Raver1	43.5169	24.4672	-0.830729	43.5179	24.4682	-0.830701	0.00097029	No
						Rb1cc1	17.8221	8.52741	-1.06348	17.8231	8.52841	-1.0633996	0.0146209	No
						Rbbp4	47.4324	31.8939	-0.572592	47.4334	31.8949	-0.5725775	0.0364805	No
						Rbbp5	21.9138	10.8854	-1.00944	21.9148	10.8864	-1.0093786	0.0016929	No
						Rbbp6	26.7933	12.7858	-1.06733	26.7943	12.7868	-1.0672709	0.0273913	No
						Rbbp8nl	0.0184626	6.44064	8.44645	0.0194626	6.44164	8.37057977	0.0230128	No
						Rbfox2	0.0556607	2.09002	5.23071	0.0566607	2.09102	5.20571463	0.0107084	No
						Rbl1	1.48743	0.698973	-1.08951	1.48843	0.699973	-1.0884202	0.0348348	No
						Rbm12b	8.19841	5.15248	-0.670079	8.19941	5.15348	-0.6699731	0.0399588	No
						Rbm17	132.262	78.8533	-0.746156	132.263	78.8543	-0.7461482	0.0281852	No
						Rbm19	3.29893	1.57292	-1.06856	3.29993	1.57392	-1.0680732	0.00481718	No
						Rbm22	37.4578	17.7794	-1.07506	37.4588	17.7804	-1.0750169	0.00051281	No
						Rbm25	59.0031	24.2748	-1.28133	59.0041	24.2758	-1.2812964	0.00018329	No
						Rbm27	20.5803	9.43744	-1.1248	20.5813	9.43844	-1.1247138	0.00018329	No
						Rbm33	41.0282	9.63524	-2.09022	41.0292	9.63624	-2.0901088	0.00018329	No
						Rbm34	13.1115	6.60593	-0.989001	13.1125	6.60693	-0.9888908	0.00051281	No
						Rbm38	51.149	13.3955	-1.93296	51.15	13.3965	-1.9328781	0.00018329	No
						Rbm39	80.1381	36.0894	-1.15091	80.1391	36.0904	-1.1508912	0.00018329	No
						Rbm41	6.71169	1.66102	-2.01461	6.71269	1.66202	-2.0139533	0.00018329	No
						Rbm45	31.6489	20.9102	-0.597951	31.6499	20.9112	-0.5979251	0.0415563	No
						Rbm48	11.5609	3.56767	-1.6962	11.5619	3.56867	-1.6959201	0.00018329	No
						Rbm5	80.6057	50.6748	-0.669613	80.6067	50.6758	-0.6696028	0.030375	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rbm6	33.6945	19.6021	-0.781507	33.6955	19.6031	-0.7814741	0.0384488	No
						Rbm7	47.9858	25.8853	-0.890476	47.9868	25.8863	-0.8904488	0.00494262	No
						Rbms3	0	4.45921	inf	0.001	4.46021	12.1228959	0.00018329	No
						Rbmx	38.471	21.1131	-0.865637	38.472	21.1141	-0.8656021	0.00721079	No
						Rbmx2	11.0985	6.33323	-0.809355	11.0995	6.33423	-0.8092535	0.0387343	No
						Rbp7	0	1.32497	inf	0.001	1.32597	10.3728324	0.00018329	No
						Rbpms	2.24586	145.66	6.01919	2.24686	145.661	6.01856061	0.00018329	No
						Rc3h1	13.6578	5.22961	-1.38495	13.6588	5.23061	-1.3847796	0.00018329	No
						Rc3h2	19.0686	10.3185	-0.885968	19.0696	10.3195	-0.8859015	0.00469886	No
						Rcan1	7.08525	29.0097	2.03364	7.08625	29.0107	2.03349084	0.00018329	No
						Rcan3	34.5526	8.93096	-1.95191	34.5536	8.93196	-1.9517873	0.00018329	No
						Rcc1	15.6365	9.15522	-0.772251	15.6375	9.15622	-0.7721859	0.0168685	No
						Rcc2	113.624	56.9969	-0.995315	113.625	56.9979	-0.9952996	0.00018329	No
						Rcn2	6.04979	13.7051	1.17976	6.05079	13.7061	1.1796227	0.00018329	No
						Rcn3	1.93551	4.65985	1.26757	1.93651	4.66085	1.26713413	0.0113722	No
						Rcsd1	107.562	20.9241	-2.36193	107.563	20.9251	-2.3618755	0.00018329	No
						Rdh14	8.40542	18.0648	1.10379	8.40642	18.0658	1.1036977	0.00224282	No
						Rdh16	1.12514	10.5367	3.22725	1.12614	10.5377	3.22610192	0.00018329	No
						Rdm1	11.4998	18.9865	0.723369	11.5008	18.9875	0.72331575	0.0494313	No
						Rdx	13.785	30.7355	1.15681	13.786	30.7365	1.15674897	0.0386357	No
						Reck	0.522765	1.80236	1.78565	0.523765	1.80336	1.78369587	0.00251301	No
						Recql	26.2221	14.1876	-0.886146	26.2231	14.1886	-0.886106	0.017077	No
						Reep2	0.15955	0.638781	2.00132	0.16055	0.639781	1.99455548	0.030294	No
						Reep5	46.1377	93.2186	1.01467	46.1387	93.2196	1.01465597	0.00603614	No
						Reep6	0.226336	9.00154	5.31364	0.227336	9.00254	5.30743404	0.00018329	No
						Relt	15.3733	5.54863	-1.47023	15.3743	5.54963	-1.4700572	0.00018329	No
						Rem2	0.195326	1.67985	3.10438	0.196326	1.68085	3.09786783	0.00197017	No
						Ren	0	2.35632	inf	0.001	2.35732	11.2029319	0.00018329	No
						Repin1	0.77955	12.4731	4.00004	0.78055	12.4741	3.99830087	0.00018329	No
						Reps2	0	0.636578	inf	0.001	0.637578	9.31645804	0.00035173	No
						Resp18	25.6531	5.46494	-2.23085	25.6541	5.46594	-2.2306479	0.00018329	No
						RET	13.6806	0.925057	-3.88645	13.6816	0.926057	-3.8849922	0.00018329	No
						Rev1	44.8668	18.1236	-1.30778	44.8678	18.1246	-1.3077313	0.030858	No
						Rexo1	39.0631	22.5479	-0.792814	39.0641	22.5489	-0.7927863	0.00937155	No
						Rexo4	54.7292	23.2922	-1.23246	54.7302	23.2932	-1.2324283	0.00018329	No
						Rfc5	20.6806	11.1288	-0.893978	20.6816	11.1298	-0.8939201	0.00419853	No
						Rftn1	32.4154	5.59912	-2.53341	32.4164	5.60012	-2.5331942	0.00018329	No
						Rftn2	0	0.782962	inf	0.001	0.783962	9.61463992	0.00018329	No
						Rfx1	69.3664	16.1801	-2.10002	69.3674	16.1811	-2.0999481	0.00018329	No
						Rfx2	0.143619	0.750138	2.38491	0.144619	0.751138	2.37682088	0.00210945	No
						Rfx4	1.48544	0.453525	-1.71163	1.48644	0.454525	-1.7094297	0.0122333	No
						Rfx7	20.6543	3.61209	-2.51554	20.6553	3.61309	-2.5152069	0.00018329	No

RRBS						RNAseq								
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						Rfxap	43.4813	20.7049	-1.07043	43.4823	20.7059	-1.0703863	0.00018329	No
						Rgcc	170.209	38.0523	-2.16125	170.21	38.0533	-2.1612223	0.00018329	No
						RGD1302996	34.7808	101.92	1.55107	34.7818	101.921	1.55104684	0.00018329	No
						RGD1303003	106.738	207.68	0.960295	106.739	207.681	0.96028183	0.00018329	No
						RGD1303130	25.3465	42.387	0.741837	25.3475	42.388	0.74181243	0.00650199	No
						RGD1304595	11.3072	3.50591	-1.68937	11.3082	3.50691	-1.689097	0.00018329	No
						RGD1304622	0.594298	37.2297	5.96912	0.595298	37.2307	5.96673688	0.00018329	No
						RGD1304694	4.77736	16.2647	1.76746	4.77836	16.2657	1.76724546	0.00018329	No
						RGD1304770	0.235708	11.4907	5.60732	0.236708	11.4917	5.60133996	0.00018329	No
						RGD1304884	0.256762	3.48325	3.76193	0.257762	3.48425	3.75673664	0.00018329	No
						RGD1304982	3.35022	18.4796	2.46361	3.35122	18.4806	2.46325329	0.00018329	No
						RGD1305014	3.27236	1.41699	-1.20751	3.27336	1.41799	-1.2069249	0.00732142	No
						RGD1305045	45.933	72.8188	0.664781	45.934	72.8198	0.66476836	0.018938	No
						RGD1305110	1.6414	3.14117	0.936373	1.6424	3.14217	0.9359557	0.00755425	No
						RGD1305184	0.147192	0.631323	2.10068	0.148192	0.632323	2.09319413	0.0409149	No
						RGD1305422	5.64245	12.2061	1.11321	5.64345	12.2071	1.11307121	0.00018329	No
						RGD1305508	31.3524	19.1568	-0.710717	31.3534	19.1578	-0.71069	0.0290402	No
						RGD1305743	17.0415	7.27681	-1.22767	17.0425	7.27781	-1.2275607	0.00018329	No
						RGD1305834	3.3406	0.657644	-2.34473	3.3416	0.658644	-2.3429683	0.00018329	No
						RGD1306058	28.5329	61.0532	1.09744	28.5339	61.0542	1.0974136	0.00018329	No
						RGD1306151	0.615628	18.6118	4.91802	0.616628	18.6128	4.91575089	0.00018329	No
						RGD1306227	14.2184	5.18227	-1.4561	14.2194	5.18327	-1.4559261	0.0439935	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1306353	22.8133	11.1811	-1.02882	22.8143	11.1821	-1.0287472	0.00051281	No
						RGD1306556	0.0229427	5.39513	7.87748	0.0239427	5.39613	7.81619544	0.00018329	No
						RGD1306739	8.4048	25.6113	1.6075	8.4058	25.6123	1.60737978	0.00018329	No
						RGD1306820	8.58328	3.72325	-1.20497	8.58428	3.72425	-1.2047472	0.00018329	No
						RGD1307235	37.5832	12.008	-1.64609	37.5842	12.009	-1.6460103	0.00018329	No
						RGD1307262	16.6585	52.2987	1.65051	16.6595	52.2997	1.65045757	0.00018329	No
						RGD1307315	0.668036	6.04821	3.17851	0.669036	6.04921	3.176591	0.00018329	No
						RGD1307365	5.95681	3.52726	-0.755991	5.95781	3.52826	-0.7558252	0.0348348	No
						RGD1307461	0.481573	1.14436	1.24871	0.482573	1.14536	1.24698202	0.0159271	No
						RGD1307526	90.4465	47.0744	-0.942121	90.4475	47.0754	-0.9421073	0.00603614	No
						RGD1307554	7.00605	3.7906	-0.886175	7.00705	3.7916	-0.8860004	0.0279905	No
						RGD1308005	5.58086	2.95832	-0.915708	5.58186	2.95932	-0.9154802	0.00891798	No
						RGD1308234	186.743	45.0783	-2.05055	186.744	45.0793	-2.0505249	0.00018329	No
						RGD1308297	32.5312	15.9114	-1.03176	32.5322	15.9124	-1.0317169	0.00066911	No
						RGD1308601	8.75633	5.83623	-0.585288	8.75733	5.83723	-0.5852072	0.0444336	No
						RGD1308706	13.4546	25.7528	0.936623	13.4556	25.7538	0.9365786	0.00238141	No
						RGD1309079	4.63521	11.3829	1.29616	4.63621	11.3839	1.29597707	0.00018329	No
						RGD1309104	38.8372	6.88461	-2.49599	38.8382	6.88561	-2.49582	0.00018329	No
						RGD1309148	40.7498	22.6501	-0.847277	40.7508	22.6511	-0.8472473	0.00744054	No
						RGD1309313	6.87515	14.4452	1.07113	6.87615	14.4462	1.07101713	0.00035173	No
						RGD1309534	1.35475	42.6501	4.97645	1.35575	42.6511	4.97541987	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1309594	3.10776	15.7795	2.34411	3.10876	15.7805	2.34373177	0.00018329	No
						RGD1309747	17.2895	7.17169	-1.26951	17.2905	7.17269	-1.2693934	0.0148363	No
						RGD1309808	321.095	43.2374	-2.89265	321.096	43.2384	-2.8926196	0.00154856	No
						RGD1309821	0.0782466	3.09363	5.30513	0.0792466	3.09463	5.28727408	0.00018329	No
						RGD1309823	32.6121	14.9169	-1.12846	32.6131	14.9179	-1.1284071	0.010379	No
						RGD1309995	47.4328	11.1374	-2.09047	47.4338	11.1384	-2.0903734	0.00018329	No
						RGD1310081	1.49269	3.82878	1.35897	1.49369	3.82978	1.35838076	0.00555427	No
						RGD1310127	17.09	49.2485	1.52693	17.091	49.2495	1.52687227	0.00018329	No
						RGD1310262	0.202416	7.57164	5.22521	0.203416	7.57264	5.21829128	0.00018329	No
						RGD1310313	128.129	199.92	0.641832	128.13	199.921	0.64182172	0.0384488	No
						RGD1310352	17.2613	44.241	1.35785	17.2623	44.242	1.35779191	0.00018329	No
						RGD1310371	2.57865	0.749962	-1.78172	2.57965	0.750962	-1.7803635	0.00290302	No
						RGD1310553	6.98341	3.31213	-1.07617	6.98441	3.31313	-1.0759434	0.00051281	No
						RGD1310727	26.6829	12.725	-1.06824	26.6839	12.726	-1.0681905	0.00018329	No
						RGD1310852	6.24397	3.21737	-0.95658	6.24497	3.21837	-0.9563644	0.0284818	No
						RGD1311021	0.134908	24.7335	7.51835	0.135908	24.7345	7.50775055	0.00126492	No
						RGD1311084	0	17.2992	inf	0.001	17.3002	14.0785011	0.00018329	No
						RGD1311251	0	3.18252	inf	0.001	3.18352	11.6364071	0.00018329	No
						RGD1311344	0.252555	0.95605	1.92049	0.253555	0.95705	1.91629557	0.012679	No
						RGD1311345	11.5645	23.4647	1.02079	11.5655	23.4657	1.02072586	0.00051281	No
						RGD1311458	24.3431	7.12326	-1.7729	24.3441	7.12426	-1.7727601	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1311517	9.84594	3.12722	-1.65465	9.84694	3.12822	-1.6543335	0.00018329	No
						RGD1311564	0.829921	2.11401	1.34893	0.830921	2.11501	1.34788126	0.0214018	No
						RGD1311756	0.13977	11.6601	6.38237	0.14077	11.6611	6.37222017	0.00018329	No
						RGD1311805	21.6583	10.6967	-1.01776	21.6593	10.6977	-1.017686	0.0169745	No
						RGD1311892	0	5.2746	inf	0.001	5.2756	12.3651195	0.00018329	No
						RGD1312005	0	1.18961	inf	0.001	1.19061	10.2174852	0.00018329	No
						RGD1312026	3.67021	2.27212	-0.691824	3.67121	2.27312	-0.6915818	0.018938	No
						RGD1359108	6.11702	3.0686	-0.995246	6.11802	3.0696	-0.9950142	0.00380824	No
						RGD1359127	13.1827	24.8611	0.915246	13.1837	24.8621	0.91519284	0.00277264	No
						RGD1359158	39.8578	17.464	-1.19048	39.8588	17.465	-1.1904316	0.00018329	No
						RGD1359529	400.061	153.481	-1.38216	400.062	153.482	-1.3821541	0.00035173	No
						RGD1559441	6.00561	2.88683	-1.05682	6.00661	2.88783	-1.0565652	0.0479686	No
						RGD1559442	0.444536	8.04497	4.17771	0.445536	8.04597	4.17465245	0.00018329	No
						RGD1559482	0.884656	18.0426	4.35014	0.885656	18.0436	4.34859695	0.0193605	No
						RGD1559600	0	2.92689	inf	0.001	2.92789	11.5156456	0.00018329	No
						RGD1559786	9.88368	24.7018	1.32149	9.88468	24.7028	1.32140841	0.00018329	No
						RGD1559891	0	3.0829	inf	0.001	3.0839	11.5905403	0.00018329	No
						RGD1559896	5.84959	20.9769	1.84239	5.85059	20.9779	1.84221624	0.00018329	No
						RGD1559899	0	9.63509	inf	0.001	9.63609	13.2342322	0.00018329	No
						RGD1559904	8.44027	4.09875	-1.0421	8.44127	4.09975	-1.0419241	0.00018329	No
						RGD1559928	6.90568	12.5567	0.8626	6.90668	12.5577	0.86250796	0.0345543	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1560289	0.924704	0.292687	-1.65963	0.925704	0.293687	-1.6562715	0.00880015	No
						RGD1560398	5.57884	15.7305	1.49553	5.57984	15.7315	1.49536058	0.00018329	No
						RGD1560436	2.09418	0.995373	-1.07308	2.09518	0.996373	-1.0723164	0.0260458	No
						RGD1560470	1.99432	0.895395	-1.1553	1.99532	0.896395	-1.1544136	0.00567465	No
						RGD1560557	8.80052	4.06914	-1.11286	8.80152	4.07014	-1.1126743	0.0336259	No
						RGD1560687	3.60536	10.8288	1.58665	3.60636	10.8298	1.58639128	0.00111812	No
						RGD1560718	0	0.867906	inf	0.001	0.868906	9.7630563	0.00018329	No
						RGD1560849	29.9624	0.851757	-5.13657	29.9634	0.852757	-5.1349228	0.00018329	No
						RGD1560871	0.439988	2.64446	2.58744	0.440988	2.64546	2.5847073	0.00018329	No
						RGD1560880	0.756272	3.8802	2.35915	0.757272	3.8812	2.35761929	0.00018329	No
						RGD1561113	10.8223	52.3784	2.27496	10.8233	52.3794	2.27485909	0.017174	No
						RGD1561145	41.8233	6.41041	-2.70582	41.8243	6.41141	-2.7056278	0.00018329	No
						RGD1561157	13.1083	5.71646	-1.19728	13.1093	5.71746	-1.1971444	0.00018329	No
						RGD1561328	31.576	65.4446	1.05145	31.577	65.4456	1.05142209	0.00035173	No
						RGD1561333	5.96302	1.84716	-1.69073	5.96402	1.84816	-1.6901954	0.00432763	No
						RGD1561444	0.193293	0.712189	1.88147	0.194293	0.713189	1.87605053	0.0399588	No
						RGD1561530	0	8.72074	inf	0.001	8.72174	13.0904003	0.00650199	No
						RGD1561648	0	0.699365	inf	0.001	0.700365	9.45196318	0.00018329	No
						RGD1561662	0.0128544	7.61433	9.21031	0.0138544	7.61533	9.10241851	0.00035173	No
						RGD1561694	1.7564	0.710682	-1.30535	1.7574	0.711682	-1.3041379	0.0469027	No
						RGD1561963	81.5963	19.6756	-2.0521	81.5973	19.6766	-2.0520405	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1562037	2.42347	6.37629	1.39564	2.42447	6.37729	1.39527409	0.00018329	No
						RGD1562084	0	17.8234	inf	0.001	17.8244	14.1215659	0.00018329	No
						RGD1562107	0	1.38352	inf	0.001	1.38452	10.4351702	0.00018329	No
						RGD1562161	1.88305	0.469296	-2.0045	1.88405	0.470296	-2.0021963	0.00082046	No
						RGD1562178	29.7423	50.5667	0.765669	29.7433	50.5677	0.76565144	0.00777671	No
						RGD1562200	9.15407	17.0657	0.898614	9.15507	17.0667	0.89854131	0.0449039	No
						RGD1562378	6.58936	17.6744	1.42345	6.59036	17.6754	1.42331368	0.0388119	No
						RGD1562402	16.9826	4.65545	-1.86706	16.9836	4.65645	-1.8668399	0.0169745	No
						RGD1562409	6.23328	2.11017	-1.56263	6.23428	2.11117	-1.5621802	0.00902869	No
						RGD1562469	8720.73	2474.82	-1.81713	8720.731	2474.821	-1.8171249	0.00018329	No
						RGD1562484	3.79595	14.445	1.92803	3.79695	14.446	1.92775717	0.00210945	No
						RGD1562618	0	9.32609	inf	0.001	9.32709	13.1872113	0.00018329	No
						RGD1562667	0.0735944	2.61092	5.14882	0.0745944	2.61192	5.12989957	0.00494262	No
						RGD1562673	0	2.06866	inf	0.001	2.06966	11.0151781	0.00018329	No
						RGD1562987	60.6356	103.775	0.775226	60.6366	103.776	0.77521207	0.0031651	No
						RGD1563056	0.51884	4.05254	2.96546	0.51984	4.05354	2.96304283	0.00018329	No
						RGD1563084	2.02695	4.68819	1.20972	2.02795	4.68919	1.20931665	0.00035173	No
						RGD1563150	0	0.673678	inf	0.001	0.674678	9.39805531	0.00018329	No
						RGD1563159	4.31849	1.38548	-1.64014	4.31949	1.38648	-1.6394342	0.0128946	No
						RGD1563319	0.0932124	11.9562	7.00302	0.0942124	11.9572	6.98774692	0.00035173	No
						RGD1563400	0.23127	3.49853	3.9191	0.23227	3.49953	3.91328644	0.00419853	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1563451	0.0185092	0.671234	5.1805	0.0195092	0.672234	5.10673699	0.00992433	No
						RGD1563547	0.253402	186.82	9.52601	0.254402	186.821	9.52033091	0.0201703	No
						RGD1563835	4.75077	0.585784	-3.01972	4.75177	0.586784	-3.0175636	0.0415563	No
						RGD1563941	9.95248	65.8392	2.72582	9.95348	65.8402	2.72569579	0.00018329	No
						RGD1564074	0	0.76647	inf	0.001	0.76747	9.58396655	0.00018329	No
						RGD1564308	0	0.845833	inf	0.001	0.846833	9.72593368	0.00018329	No
						RGD1564379	7.91195	25.5897	1.69346	7.91295	25.5907	1.69333206	0.00018329	No
						RGD1564419	0	11.0291	inf	0.001	11.0301	13.4291583	0.00018329	No
						RGD1564541	15.4951	7.44434	-1.0576	15.4961	7.44534	-1.0574955	0.0157085	No
						RGD1564865	0	38.6244	inf	0.001	38.6254	15.2372623	0.00018329	No
						RGD1565059	2.11629	4.34419	1.03755	2.11729	4.34519	1.03720038	0.0224259	No
						RGD1565168	0	86.4407	inf	0.001	86.4417	16.3994398	0.00018329	No
						RGD1565183	6767.68	2513.98	-1.42869	6767.681	2513.981	-1.4286878	0.00018329	No
						RGD1565222	3.40268	8.38432	1.30102	3.40368	8.38532	1.30077043	0.00018329	No
						RGD1565252	0.7753	0	-inf	0.7763	0.001	-9.6004705	0.00709238	No
						RGD1565374	0.334432	2.4238	2.85748	0.335432	2.4248	2.85377352	0.00354878	No
						RGD1565498	4.69894	2.18729	-1.10319	4.69994	2.18829	-1.1028384	0.00097029	No
						RGD1565616	12.4978	43.2166	1.78992	12.4988	43.2176	1.78982937	0.00914594	No
						RGD1565647	4.24561	1.41338	-1.58682	4.24661	1.41438	-1.5861418	0.00051281	No
						RGD1565660	0	1.1426	inf	0.001	1.1436	10.1593668	0.00018329	No
						RGD1565766	2.46313	4.92724	1.00029	2.46413	4.92824	0.99999415	0.0351863	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1565775	42.4164	20.0778	-1.07902	42.4174	20.0788	-1.0789831	0.00018329	No
						RGD1565785	0.323066	1.2152	1.91129	0.324066	1.2162	1.90802092	0.00799878	No
						RGD1566099	5.95263	10.9734	0.882405	5.95363	10.9744	0.8823006	0.039202	No
						RGD1566243	17.6825	2.17895	-3.02062	17.6835	2.17995	-3.0200369	0.00018329	No
						RGD1566344	474.425	211.824	-1.16331	474.426	211.825	-1.1633102	0.00018329	No
						RGD1566368	0.05192	8.87132	7.41671	0.05292	8.87232	7.38935453	0.0220133	No
						RGD1566380	3.48817	17.9402	2.36266	3.48917	17.9412	2.36232059	0.0018326	No
						Rgmb	0.56499	6.9855	3.62807	0.56599	6.9865	3.62572143	0.00018329	No
						Rgs10	264.085	36.8546	-2.84109	264.086	36.8556	-2.8410521	0.00018329	No
						Rgs11	0.0836689	3.73623	5.48075	0.0846689	3.73723	5.4639934	0.00018329	No
						Rgs12	0.453273	1.86513	2.04083	0.454273	1.86613	2.03841803	0.00126492	No
						Rgs14	40.573	8.38123	-2.27528	40.574	8.38223	-2.2751495	0.00018329	No
						Rgs18	4.41235	1.71562	-1.36282	4.41335	1.71662	-1.3623035	0.0200787	No
						Rgs19	46.8135	14.9842	-1.64348	46.8145	14.9852	-1.6434171	0.00018329	No
						Rgs2	23.6236	89.7517	1.92571	23.6246	89.7527	1.92566544	0.00018329	No
						RGS3	18.6161	29.3143	0.655058	18.6171	29.3153	0.65502546	0.04193	No
						Rgs5	0.912911	3.45438	1.91988	0.913911	3.45538	1.9187188	0.00880015	No
						RGS6	0.123312	3.71822	4.91423	0.124312	3.71922	4.90296262	0.00035173	No
						Rhbdd1	1.67363	3.5174	1.07153	1.67463	3.5184	1.07107713	0.00238141	No
						Rhbdd2	8.67691	15.9554	0.878794	8.67791	15.9564	0.87871567	0.0228125	No
						Rhbdf1	0.0736501	25.5916	8.44077	0.0746501	25.5926	8.42136681	0.00018329	No
						Rhbdf2	3.50282	10.9643	1.64623	3.50382	10.9653	1.64594472	0.00018329	No
						Rhbdl2	0	4.90526	inf	0.001	4.90626	12.260408	0.00018329	No
						Rhbdl3	0.207994	8.99952	5.43524	0.208994	9.00052	5.42847493	0.0063852	No
						Rhbg	1.49974	14.5235	3.27561	1.50074	14.5245	3.27474254	0.00018329	No
						Rheb	65.4076	121.649	0.895192	65.4086	121.65	0.89518408	0.00519348	No
						Rhebl1	13.0853	4.78849	-1.45031	13.0863	4.78949	-1.4501133	0.00082046	No
						Rhoa	523.354	298.814	-0.808541	523.355	298.815	-0.8085373	0.00902869	No
						Rhob	42.2387	152.198	1.84932	42.2397	152.199	1.84928739	0.00018329	No
						Rhobtb2	1.98283	3.87516	0.966693	1.98383	3.87616	0.96633972	0.0115803	No
						Rhod	0	34.2603	inf	0.001	34.2613	15.0642923	0.00018329	No
						Rhof	98.3235	22.6801	-2.11611	98.3245	22.6811	-2.1160603	0.00018329	No
						Rhog	258.886	88.5256	-1.54815	258.887	88.5266	-1.5481396	0.00018329	No
						Rhoq	5.70812	14.9995	1.39382	5.70912	15.0005	1.3936703	0.00018329	No
						Rhot2	27.4319	44.3529	0.693173	27.4329	44.3539	0.69315382	0.00603614	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rhpn1	0	22.1023	inf	0.001	22.1033	14.4319742	0.00018329	No
						Rhpn2	0.0457957	5.91164	7.0122	0.0467957	5.91264	6.98128266	0.0386357	No
						Ribc1	1.44248	5.13582	1.83204	1.44348	5.13682	1.8313244	0.00018329	No
						Rictor	18.1345	3.6187	-2.32519	18.1355	3.6197	-2.3248745	0.00018329	No
						Rif1	11.8766	4.19651	-1.50086	11.8776	4.19751	-1.5006377	0.00197017	No
						Rilp	0.440943	18.1676	5.36463	0.441943	18.1686	5.36144314	0.00018329	No
						Rilpl2	279.471	111.667	-1.32349	279.472	111.668	-1.3234879	0.00018329	No
						Rimbp2	0	11.0721	inf	0.001	11.0731	13.4347716	0.00018329	No
						Rimklb	0	2.0812	inf	0.001	2.0822	11.0238929	0.00018329	No
						Rims2	0.068852	0.921503	3.74242	0.069852	0.922503	3.72318027	0.0016929	No
						Rin2	0.0544301	29.759	9.09471	0.0554301	29.76	9.0684892	0.0139848	No
						Rin3	32.0517	15.277	-1.06904	32.0527	15.278	-1.0689902	0.00018329	No
						Rinl	29.2259	6.59968	-2.14678	29.2269	6.60068	-2.1466103	0.00018329	No
						Riok1	24.3942	11.5923	-1.07337	24.3952	11.5933	-1.073306	0.00018329	No
						Ripk1	19.4473	12.0883	-0.685957	19.4483	12.0893	-0.6859133	0.0468163	No
						Ripk2	14.8063	6.20524	-1.25465	14.8073	6.20624	-1.2545172	0.00018329	No
						Ripk3	28.2338	15.4891	-0.866165	28.2348	15.4901	-0.866128	0.0297293	No
						Rlf	21.3255	6.65449	-1.68018	21.3265	6.65549	-1.6800304	0.00432763	No
						Rmdn1	3.44197	26.3572	2.93689	3.44297	26.3582	2.93652634	0.00018329	No
						Rmdn2	0.785559	1.98239	1.33545	0.786559	1.98339	1.3343415	0.033148	No
						Rmdn3	7.71357	15.3018	0.98823	7.71457	15.3028	0.988138	0.00111812	No
						Rmnd5a	51.0555	25.7105	-0.989708	51.0565	25.7115	-0.9896809	0.00082046	No
						Rnase6	0.927716	2.95456	1.67119	0.928716	2.95556	1.67012211	0.00506686	No
						Rnaseh1	21.5215	12.6608	-0.765409	21.5225	12.6618	-0.7653632	0.0220133	No
						Rnaseh2b	56.5148	22.4864	-1.32957	56.5158	22.4874	-1.3295374	0.00251301	No
						Rnasek	118.058	356.838	1.59578	118.059	356.839	1.59576527	0.00018329	No
						Rnd1	0.724596	8.35768	3.52785	0.725596	8.35868	3.52603672	0.0121287	No
						Rnd3	0.0975888	14.0487	7.16951	0.0985888	14.0497	7.15489985	0.00035173	No
						Rnf103	7.5717	13.5898	0.843831	7.5727	13.5908	0.8437507	0.00555427	No
						Rnf111	27.47	10.3782	-1.40431	27.471	10.3792	-1.4042142	0.00018329	No
						Rnf113a1	8.21033	3.83812	-1.09704	8.21133	3.83912	-1.0968403	0.0261426	No
						Rnf115	55.4456	20.5816	-1.42972	55.4466	20.5826	-1.4296738	0.00018329	No
						RNF125	25.7871	1.7081	-3.91618	25.7881	1.7091	-3.9153968	0.00018329	No
						Rnf135	10.8256	4.63806	-1.22285	10.8266	4.63906	-1.2226758	0.0135584	No
						Rnf138	23.3296	7.22736	-1.69062	23.3306	7.22836	-1.6904831	0.00018329	No
						Rnf14	87.286	33.4227	-1.38492	87.287	33.4237	-1.3848954	0.00018329	No
						Rnf144a	2.89617	0.535106	-2.43625	2.89717	0.536106	-2.4340542	0.00018329	No
						Rnf144b	1.9549	3.79751	0.957962	1.9559	3.79851	0.95760101	0.00555427	No
						Rnf145	90.7369	22.5459	-2.00882	90.7379	22.5469	-2.0087762	0.00018329	No
						Rnf146	44.9472	18.5194	-1.27919	44.9482	18.5204	-1.2791481	0.00035173	No
						Rnf149	36.0615	19.6124	-0.878693	36.0625	19.6134	-0.8786598	0.0114728	No
						Rnf150	0.166909	5.17084	4.95326	0.167909	5.17184	4.94492618	0.00066911	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rnf157	22.406	5.649	-1.98782	22.407	5.65	-1.9876267	0.00018329	No
						Rnf167	128.584	65.9287	-0.963728	128.585	65.9297	-0.9637219	0.00051281	No
						Rnf169	3.36423	0.734457	-2.19553	3.36523	0.735457	-2.1939922	0.00051281	No
						Rnf180	0	0.894659	inf	0.001	0.895659	9.80680576	0.00018329	No
						Rnf183	0	17.0509	inf	0.001	17.0519	14.0576449	0.00018329	No
						Rnf185	5.34812	11.8435	1.14699	5.34912	11.8445	1.14684382	0.00018329	No
						Rnf2	31.347	10.249	-1.61285	31.348	10.25	-1.6127495	0.00018329	No
						Rnf20	21.2434	10.9132	-0.960939	21.2444	10.9142	-0.9608762	0.00035173	No
						Rnf207	0.0842499	4.36242	5.69431	0.0852499	4.36342	5.67761739	0.00111812	No
						Rnf213	43.0295	19.7029	-1.12692	43.0305	19.7039	-1.1268784	0.0026435	No
						Rnf215	7.56586	15.6616	1.04966	7.56686	15.6626	1.04955706	0.00154856	No
						Rnf217	4.28472	10.2335	1.25602	4.28572	10.2345	1.25583112	0.00018329	No
						Rnf219	5.16554	1.72338	-1.58367	5.16654	1.72438	-1.5831207	0.00018329	No
						Rnf220	97.5331	35.8157	-1.4453	97.5341	35.8167	-1.4452743	0.00018329	No
						Rnf32	0	1.37248	inf	0.001	1.37348	10.4236202	0.018938	No
						Rnf38	25.9908	9.37667	-1.47086	25.9918	9.37767	-1.4707551	0.00018329	No
						Rnf41	6.23779	10.411	0.738997	6.23879	10.412	0.73890906	0.0342763	No
						Rnf43	1.64587	4.7802	1.53822	1.64687	4.7812	1.53764608	0.00018329	No
						Rnf44	73.9651	25.7764	-1.52079	73.9661	25.7774	-1.5207575	0.00018329	No
						Rnft1	18.1523	7.53825	-1.26785	18.1533	7.53925	-1.2677389	0.0243241	No
						Rngtt	11.1945	5.4879	-1.02846	11.1955	5.4889	-1.02833	0.00051281	No
						RNMT	23.5537	6.50439	-1.85647	23.5547	6.50539	-1.8563075	0.00018329	No
						Rnpc3	23.1958	12.3956	-0.904037	23.1968	12.3966	-0.9039813	0.0353776	No
						Rnpep	8.08417	48.5261	2.58559	8.08517	48.5271	2.58544063	0.00018329	No
						Rnps1	162.601	84.6049	-0.942519	162.602	84.6059	-0.9425148	0.00051281	No
						Robo3	0	4.11043	inf	0.001	4.11143	12.0054246	0.00018329	No
						Rock1	34.075	9.92749	-1.77921	34.076	9.92849	-1.7791098	0.00018329	No
						Romo1	141.017	281.328	0.996386	141.018	281.329	0.99637895	0.00097029	No
						Ror1	0	2.00092	inf	0.001	2.00192	10.9671686	0.00018329	No
						RORC	1.48773	12.5767	3.07957	1.48873	12.5777	3.0787141	0.00018329	No
						Rp2	7.33904	4.06979	-0.850637	7.34004	4.07079	-0.8504791	0.0388119	No
						Rpa2	55.0836	19.1817	-1.52189	55.0846	19.1827	-1.5218432	0.00018329	No
						Rpe	23.6544	12.1237	-0.964273	23.6554	12.1247	-0.9642205	0.0216117	No
						Rpf2	38.6534	23.457	-0.720577	38.6544	23.458	-0.7205526	0.0114728	No
						Rpl10	3449.02	1009.66	-1.77231	3449.021	1009.661	-1.7723159	0.00018329	No
						Rpl10a	2435.95	890.545	-1.45172	2435.951	890.546	-1.4517231	0.00018329	No
						RPL12	4045.91	1005.58	-2.00844	4045.911	1005.581	-2.0084353	0.00018329	No
						Rpl13	5423.06	1604.95	-1.75658	5423.061	1604.951	-1.7565781	0.00018329	No
						Rpl14	3516.43	1140.72	-1.62416	3516.431	1140.721	-1.6241659	0.00018329	No
						Rpl15	3523.31	813.058	-2.1155	3523.311	813.059	-2.1154999	0.00018329	No
						Rpl17	6705.53	2077.61	-1.69043	6705.531	2077.611	-1.690426	0.00035173	No
						Rpl18	3295.42	1429.79	-1.20466	3295.421	1429.791	-1.2046585	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rpl19	7017.14	2213.1	-1.66481	7017.141	2213.101	-1.6648141	0.00018329	No
						Rpl21	916.185	257.578	-1.83063	916.186	257.579	-1.8306255	0.00018329	No
						Rpl22	2011.36	637.84	-1.65691	2011.361	637.841	-1.6569033	0.00018329	No
						Rpl22l1	420.468	150.197	-1.48514	420.469	150.198	-1.4851338	0.00018329	No
						Rpl23	7458.59	1851.11	-2.01051	7458.591	1851.111	-2.0105117	0.00018329	No
						Rpl23a	6215.2	1812.02	-1.7782	6215.201	1812.021	-1.7782014	0.00018329	No
						Rpl24	5961.6	1813.4	-1.717	5961.601	1813.401	-1.7170018	0.00018329	No
						RPL26	10275.3	2662.78	-1.94817	10275.301	2662.781	-1.948175	0.00018329	No
						Rpl27	4352.14	1360.77	-1.67731	4352.141	1360.771	-1.677301	0.00018329	No
						Rpl27a	2959.54	846.907	-1.8051	2959.541	846.908	-1.8050963	0.00018329	No
						Rpl29	4084.82	1452.25	-1.49198	4084.821	1452.251	-1.491982	0.00018329	No
						Rpl3	3179.22	992.855	-1.67902	3179.221	992.856	-1.6790169	0.00018329	No
						Rpl30	8803.95	1804.13	-2.28685	8803.951	1804.131	-2.286847	0.00018329	No
						Rpl31	3221.71	744.097	-2.11426	3221.711	744.098	-2.1142625	0.00018329	No
						Rpl32	8217.32	2340.94	-1.81158	8217.321	2340.941	-1.8115796	0.00018329	No
						Rpl32-ps1	17.3642	4.60989	-1.91331	17.3652	4.61089	-1.9130819	0.00051281	No
						Rpl34	5531.33	1840.8	-1.5873	5531.331	1840.801	-1.587293	0.00018329	No
						Rpl35	11537.8	3893.18	-1.56735	11537.801	3893.181	-1.567347	0.00126492	No
						Rpl35a	2019.22	412.105	-2.29272	2019.221	412.106	-2.2927114	0.00018329	No
						Rpl36	4217.87	2032.69	-1.05312	4217.871	2032.691	-1.0531241	0.00469886	No
						Rpl36a	4137.88	1007.97	-2.03744	4137.881	1007.971	-2.037438	0.00018329	No
						Rpl36al	1402.14	865.749	-0.695612	1402.141	865.75	-0.695609	0.0193605	No
						Rpl36-ps3	53.4169	15.2397	-1.80946	53.4179	15.2407	-1.8093941	0.00051281	No
						Rpl37	5642.38	1776.89	-1.66695	5642.381	1776.891	-1.6669489	0.00018329	No
						RPL37A	7979.94	2072.72	-1.94485	7979.941	2072.721	-1.9448521	0.00018329	No
						Rpl39	7798.63	1935.22	-2.01073	7798.631	1935.221	-2.0107226	0.00018329	No
						Rpl4	3815.92	1002.93	-1.92781	3815.921	1002.931	-1.9278089	0.00140841	No
						Rpl5	5934.18	1365.41	-2.11971	5934.181	1365.411	-2.1197137	0.00035173	No
						Rpl8	487.509	144.806	-1.75131	487.51	144.807	-1.7513005	0.00018329	No
						Rpl9	6494.25	1674.51	-1.95543	6494.251	1674.511	-1.9554233	0.00018329	No
						Rplp1	2539.02	720.818	-1.81657	2539.021	720.819	-1.8165634	0.00018329	No
						Rpn1	72.9689	106.547	0.546143	72.9699	106.548	0.54613013	0.0409941	No
						Rpp40	38.3751	13.8336	-1.47199	38.3761	13.8346	-1.4719272	0.00018329	No
						Rprd2	17.1105	2.3302	-2.87636	17.1115	2.3312	-2.8758215	0.00018329	No
						Rps10l1	280.895	95.7673	-1.55243	280.896	95.7683	-1.552416	0.00018329	No
						Rps11	9387.72	1813.26	-2.37219	9387.721	1813.261	-2.3721884	0.0130082	No
						Rps12	8031.29	2694.37	-1.57568	8031.291	2694.371	-1.5756834	0.00354878	No
						Rps13	6138.92	1332.86	-2.20346	6138.921	1332.861	-2.2034588	0.00018329	No
						Rps14	5160.11	1264.12	-2.02927	5160.111	1264.121	-2.0292675	0.00018329	No
						Rps15	7483.35	2385.59	-1.64934	7483.351	2385.591	-1.6493377	0.00018329	No
						Rps15a	6988.37	1801.06	-1.95611	6988.371	1801.061	-1.9561092	0.00018329	No
						Rps15al4	57.955	9.54306	-2.60241	57.956	9.54406	-2.602283	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rps16	6214.09	1671.43	-1.89446	6214.091	1671.431	-1.8944596	0.00018329	No
						Rps17	8982.82	2322.84	-1.95128	8982.821	2322.841	-1.9512782	0.00018329	No
						Rps18	10106.7	2341.25	-2.10996	10106.701	2341.251	-2.1099606	0.00018329	No
						Rps19	3.15764	0.791224	-1.99669	3.15864	0.792224	-1.9953232	0.0178968	No
						Rps2	3497.31	1137.62	-1.62022	3497.311	1137.621	-1.6202261	0.00018329	No
						Rps20	4477.14	1524.72	-1.55404	4477.141	1524.721	-1.5540325	0.00018329	No
						Rps21	5314.46	1958.67	-1.44005	5314.461	1958.671	-1.4400483	0.00018329	No
						Rps23	9078.12	2140.61	-2.08437	9078.121	2140.611	-2.0843711	0.00018329	No
						Rps24	11717.6	3241.82	-1.8538	11717.601	3241.821	-1.8538009	0.00018329	No
						Rps25	4433.19	1152.4	-1.9437	4433.191	1152.401	-1.9437027	0.00018329	No
						Rps26	6160.19	1976.35	-1.64014	6160.191	1976.351	-1.6401359	0.00018329	No
						Rps27	18246.5	3400.37	-2.42385	18246.501	3400.371	-2.4238558	0.00018329	No
						Rps27a	6215.96	1616.09	-1.94347	6215.961	1616.091	-1.943469	0.00018329	No
						Rps27l	102.741	173.848	0.758819	102.742	173.849	0.75880871	0.0132293	No
						Rps27l3	241	93.8735	-1.36024	241.001	93.8745	-1.3602339	0.00018329	No
						Rps28	8149.19	2556.78	-1.67233	8149.191	2556.781	-1.6723283	0.00018329	No
						RPS2-PS6	7.10367	1.2392	-2.51915	7.10467	1.2402	-2.5181948	0.00406781	No
						Rps3	5538.52	1171.57	-2.24106	5538.521	1171.571	-2.2410564	0.00018329	No
						Rps3a	6215.69	1146.29	-2.43894	6215.691	1146.291	-2.4389414	0.00018329	No
						Rps4x	450.446	108.171	-2.05804	450.447	108.172	-2.0580303	0.00018329	No
						RPS5	3755.12	1082.03	-1.79512	3755.121	1082.031	-1.7951176	0.00018329	No
						RPS6	925.834	223.922	-2.04776	925.835	223.923	-2.0477524	0.00018329	No
						Rps6ka1	107.688	60.2326	-0.838241	107.689	60.2336	-0.8382305	0.0121287	No
						Rps6ka4	4.65299	16.0701	1.78815	4.65399	16.0711	1.78792866	0.00018329	No
						Rps6kl1	0.0354832	1.29814	5.19317	0.0364832	1.29914	5.15418082	0.0118093	No
						Rps7	6505.05	1419.02	-2.19666	6505.051	1419.021	-2.1966644	0.00018329	No
						Rps8	4311.54	1238.63	-1.79945	4311.541	1238.631	-1.7994571	0.00018329	No
						RPS9	831.9	216.018	-1.94526	831.901	216.019	-1.9452536	0.00018329	No
						Rpsa	4202.5	1569.76	-1.4207	4202.501	1569.761	-1.4207032	0.00698138	No
						Rptor	2.87128	5.24728	0.869876	2.87228	5.24828	0.8696483	0.00251301	No
						Rqcd1	19.827	8.43968	-1.2322	19.828	8.44068	-1.232108	0.00018329	No
						Rrad	0.157388	18.1481	6.84935	0.158388	18.1491	6.84029116	0.00018329	No
						RragB	1.376	2.81755	1.03396	1.377	2.81855	1.0334246	0.0258543	No
						Rragd	3.22764	27.7396	3.10339	3.22864	27.7406	3.1030005	0.00018329	No
						Rras2	82.3175	39.54	-1.05789	82.3185	39.541	-1.0578673	0.00018329	No
						Rrbp1	13.7844	42.4776	1.62367	13.7854	42.4786	1.62359509	0.00018329	No
						Rrm2	1.62057	4.97063	1.61693	1.62157	4.97163	1.61632763	0.00018329	No
						Rrn3	5.62775	2.95579	-0.929016	5.62875	2.95679	-0.9287828	0.00937155	No
						Rrp12	13.7218	6.85194	-1.00189	13.7228	6.85294	-1.0017799	0.00082046	No
						Rrp7a	33.5077	22.2852	-0.588404	33.5087	22.2862	-0.5883851	0.0454685	No
						Rrs1	19.0539	8.65889	-1.13783	19.0549	8.65989	-1.1377414	0.00154856	No
						Rsad2	0.360904	1.16205	1.68699	0.361904	1.16305	1.68423416	0.0187317	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rsb1	19.1338	3.24991	-2.55765	19.1348	3.25091	-2.5572833	0.00018329	No
						Rsb1l	24.6872	6.10471	-2.01577	24.6882	6.10571	-2.0155907	0.00018329	No
						Rsf1	16.7633	6.10446	-1.45737	16.7643	6.10546	-1.4572203	0.00018329	No
						Rsl24d1	51.9747	23.8861	-1.12164	51.9757	23.8871	-1.1216056	0.00018329	No
						Rsph1	0.149709	10.7633	6.16782	0.150709	10.7643	6.15834512	0.0497921	No
						Rsph3	1.64369	6.46041	1.97469	1.64469	6.46141	1.97403334	0.00329119	No
						Rspry1	11.778	6.85754	-0.780326	11.779	6.85854	-0.7802437	0.0200787	No
						Rsrc2	67.8257	41.1718	-0.720174	67.8267	41.1728	-0.7201617	0.00811172	No
						RT1-A3	191.327	57.0945	-1.74462	191.328	57.0955	-1.7445991	0.00018329	No
						RT1-Ba	15.9604	43.7052	1.45331	15.9614	43.7062	1.45325075	0.00018329	No
						RT1-CE1	560.744	228.835	-1.29304	560.745	228.836	-1.2930308	0.0245258	No
						RT1-Da	46.7041	254.299	2.44491	46.7051	254.3	2.44487946	0.00018329	No
						RT1-Db1	11.8068	78.6139	2.73517	11.8078	78.6149	2.73506258	0.00018329	No
						RT1-DOb	17.0018	4.58424	-1.89093	17.0028	4.58524	-1.8907032	0.00018329	No
						RT1-M3-1	57.7588	21.8003	-1.40569	57.7598	21.8013	-1.4056516	0.00018329	No
						RT1-N3	76.2753	26.0429	-1.55033	76.2763	26.0439	-1.5502894	0.00458064	No
						RT1-S3	101.852	21.9574	-2.2137	101.853	21.9584	-2.2136436	0.00018329	No
						Rtcd1	19.3189	31.2911	0.69574	19.3199	31.2921	0.69571085	0.0191514	No
						Rtf1	21.1299	11.3042	-0.902425	21.1309	11.3052	-0.9023677	0.00519348	No
						RTN1	0	2.18313	inf	0.001	2.18413	11.092843	0.00018329	No
						Rtn4	40.859	133.847	1.71186	40.86	133.848	1.71183447	0.00018329	No
						Rtn4ip1	4.21775	16.7432	1.98903	4.21875	16.7442	1.98877395	0.00018329	No
						Rtn4r	0	3.85014	inf	0.001	3.85114	11.9110699	0.00018329	No
						Rufy3	8.275	18.0185	1.12265	8.276	18.0195	1.12255343	0.00018329	No
						Rufy4	0	0.626131	inf	0.001	0.627131	9.29262303	0.00018329	No
						Rundc3a	5.04687	2.26216	-1.15769	5.04787	2.26316	-1.1573362	0.00393885	No
						Rusc2	0.0940084	2.35794	4.64859	0.0950084	2.35894	4.63393984	0.00018329	No
						Rwdd2a	0.48286	2.17388	2.1706	0.48386	2.17488	2.16827422	0.0031651	No
						Rxra	10.0242	17.1886	0.777969	10.0252	17.1896	0.77790496	0.00354878	No
						Ryk	12.3195	21.7885	0.822624	12.3205	21.7895	0.82257229	0.0036827	No
						Ryr1	3.17291	1.03637	-1.61426	3.17391	1.03737	-1.6133307	0.00981659	No
						S100a11	41.9785	2577.87	5.94038	41.9795	2577.871	5.94035128	0.00018329	No
						S100a16	0	90.1835	inf	0.001	90.1845	16.4605919	0.00018329	No
						S100a4	125.56	394.468	1.65153	125.561	394.469	1.6515235	0.00018329	No
						S100a6	55.4742	1223.62	4.4632	55.4752	1223.621	4.46317	0.00018329	No
						S100pbb	21.3932	5.98774	-1.83707	21.3942	5.98874	-1.8368953	0.00018329	No
						S1pr5	0.548614	6.71337	3.61317	0.549614	6.71437	3.61076138	0.00018329	No
						Sacm1l	11.1404	21.5216	0.949985	11.1414	21.5226	0.94992184	0.00051281	No
						Sacs	5.00575	0.693809	-2.85097	5.00675	0.694809	-2.8491861	0.00018329	No
						SAMD11	0.1506	7.93972	5.72029	0.1516	7.94072	5.71092817	0.00530972	No
						Samd4b	6.06841	9.17725	0.596744	6.06941	9.17825	0.59666282	0.0441737	No
						Samd9l	48.5908	19.0138	-1.35364	48.5918	19.0148	-1.3535901	0.00066911	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Samhd1	67.1864	16.6031	-2.01671	67.1874	16.6041	-2.0166512	0.00018329	No
						Samm50	55.9131	136.969	1.29259	55.9141	136.97	1.2925759	0.00018329	No
						Sapcd2	0.507722	3.0801	2.60087	0.508722	3.0811	2.59849612	0.00111812	No
						Sar1b	27.4879	49.9398	0.861391	27.4889	49.9408	0.86136976	0.0231105	No
						SARG	0.0994935	26.0909	8.03473	0.1004935	26.0919	8.020356	0.00018329	No
						Sart3	26.6318	16.2138	-0.715933	26.6328	16.2148	-0.7158929	0.0172708	No
						Sash3	193.753	25.2095	-2.94217	193.754	25.2105	-2.9421295	0.00018329	No
						Sat1	94.4752	559.98	2.56737	94.4762	559.981	2.56735503	0.00018329	No
						Satb1	335.311	18.5803	-4.17365	335.312	18.5813	-4.1735808	0.00018329	No
						Sav1	3.79048	22.8238	2.59009	3.79148	22.8248	2.5897692	0.00018329	No
						Sbds	30.6603	71.1394	1.21428	30.6613	71.1404	1.21425022	0.00018329	No
						Sbk1	7.06877	4.02172	-0.813646	7.06977	4.02272	-0.813492	0.00686277	No
						Sbno1	43.9394	14.3151	-1.61798	43.9404	14.3161	-1.6179095	0.00018329	No
						Sbno2	14.538	24.7529	0.767766	14.539	24.7539	0.7677278	0.00948282	No
						Scaf8	29.3323	15.1206	-0.955977	29.3333	15.1216	-0.9559286	0.0016929	No
						SCAI	5.74847	2.56021	-1.16692	5.74947	2.56121	-1.1666034	0.00822601	No
						Scamp1	4.2066	20.3757	2.27612	4.2076	20.3767	2.27585096	0.00018329	No
						Scamp2	23.7799	39.1482	0.719206	23.7809	39.1492	0.71917951	0.0111567	No
						Scamp5	0	1.93713	inf	0.001	1.93813	10.9204496	0.00018329	No
						Scarb1	4.00766	7.43603	0.891774	4.00866	7.43703	0.89160653	0.0133341	No
						SCCPDH	1.64245	24.5857	3.9039	1.64345	24.5867	3.90307864	0.00251301	No
						Scd	51.9165	16.6528	-1.64043	51.9175	16.6538	-1.6403695	0.00018329	No
						Scel	0.0528805	0.794394	3.90905	0.0538805	0.795394	3.88383454	0.00543198	No
						Scg5	0.920994	3.15726	1.77741	0.921994	3.15826	1.77630068	0.00329119	No
						Schip1	0.0132631	16.7602	10.3034	0.0142631	16.7612	10.1986221	0.00018329	No
						Scly	3.91939	53.8386	3.77994	3.92039	53.8396	3.77959861	0.00018329	No
						Scml4	72.8043	5.32388	-3.77347	72.8053	5.32488	-3.7732226	0.00018329	No
						Scn1b	0.0820681	31.8324	8.59946	0.0830681	31.8334	8.58203098	0.00018329	No
						Scnn1g	0	8.44302	inf	0.001	8.44402	13.0437143	0.00018329	No
						Scp2	51.4129	83.5483	0.700479	51.4139	83.5493	0.70046929	0.00777671	No
						Scrn2	6.76488	14.2518	1.07501	6.76588	14.2528	1.07489587	0.00277264	No
						Scrn3	3.2368	7.14374	1.14211	3.2378	7.14474	1.14186764	0.00066911	No
						Sctr	0	15.0016	inf	0.001	15.0026	13.8729249	0.00018329	No
						Scyl3	18.8096	7.07458	-1.41075	18.8106	7.07558	-1.4106255	0.00018329	No
						Sdad1	12.9826	5.91988	-1.13294	12.9836	5.92088	-1.1328069	0.00066911	No
						Sdc1	0.15104	18.7042	6.95229	0.15204	18.7052	6.94284465	0.00018329	No
						Sdc2	0	95.9473	inf	0.001	95.9483	16.5499696	0.00018329	No
						SDC3	0.418395	3.92646	3.23029	0.419395	3.92746	3.22721502	0.00018329	No
						Sde2	19.1134	9.73577	-0.973219	19.1144	9.73677	-0.9731447	0.00035173	No
						Sdha	72.3384	193.14	1.41682	72.3394	193.141	1.41680092	0.00018329	No
						Sdhaf2	19.1024	57.5618	1.59136	19.1034	57.5628	1.59130734	0.018938	No
						Sdha	100.292	390.064	1.9595	100.293	390.065	1.95949364	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sdhc	83.3183	285.751	1.77805	83.3193	285.752	1.77804097	0.00018329	No
						Sdhd	82.4645	212.818	1.36777	82.4655	212.819	1.36776437	0.00018329	No
						Sec11c	35.6785	70.845	0.98961	35.6795	70.846	0.989591	0.00126492	No
						Sec14l1	7.47135	22.814	1.61048	7.47235	22.815	1.61034872	0.00018329	No
						Sec14l2	6.02811	2.67589	-1.17169	6.02911	2.67689	-1.1713872	0.00210945	No
						Sec16b	0.12808	1.43396	3.48489	0.12908	1.43496	3.47467313	0.00018329	No
						Sec22a	6.9589	14.0717	1.01586	6.9599	14.0727	1.01576067	0.00277264	No
						Sec22c	5.33431	3.07032	-0.796913	5.33531	3.07132	-0.7967133	0.0148363	No
						Sec24b	20.5471	10.6396	-0.949486	20.5481	10.6406	-0.9494255	0.00238141	No
						Sec24d	2.11619	8.96974	2.08359	2.11719	8.97074	2.08307625	0.00018329	No
						Sec31b	2.36057	0.273994	-3.10692	2.36157	0.274994	-3.1022743	0.00018329	No
						Sec62	48.0311	94.5736	0.977468	48.0321	94.5746	0.97745388	0.00018329	No
						Secisbp2l	14.0555	9.09396	-0.628159	14.0565	9.09496	-0.6280982	0.0314274	No
						Sectm1b	0.557237	18.2604	5.03428	0.558237	18.2614	5.03177581	0.0108214	No
						Seh1l	28.1621	17.6175	-0.676742	28.1631	17.6185	-0.676715	0.0133341	No
						Sel1l3	0	2.90967	inf	0.001	2.91067	11.5071356	0.00018329	No
						Selenbp1	0	23.7412	inf	0.001	23.7422	14.535166	0.00018329	No
						Sell	893.059	20.2349	-5.46384	893.06	20.2359	-5.4637682	0.00018329	No
						Selp	2.26467	0.527012	-2.10339	2.26567	0.528012	-2.1012951	0.00018329	No
						Selplg	94.8996	11.1674	-3.08711	94.9006	11.1684	-3.0869947	0.00018329	No
						Sema3c	0	18.4258	inf	0.001	18.4268	14.1695179	0.00018329	No
						Sema3f	0.237073	12.3429	5.70221	0.238073	12.3439	5.69625046	0.00018329	No
						Sema3g	0.262036	4.43532	4.0812	0.263036	4.43632	4.07603126	0.00018329	No
						Sema4c	0.0845463	1.34358	3.99019	0.0855463	1.34458	3.97430633	0.00018329	No
						Sema4d	53.0742	20.2274	-1.3917	53.0752	20.2284	-1.3916557	0.00018329	No
						Sema4f	0.791806	3.72196	2.23284	0.792806	3.72296	2.23141033	0.00018329	No
						Sema4g	0.474578	7.03193	3.8892	0.475578	7.03293	3.88637197	0.00018329	No
						Sema6c	0.170863	0.832191	2.28408	0.171863	0.833191	2.27738827	0.00329119	No
						Sema7a	1.98707	20.8661	3.39245	1.98807	20.8671	3.39178966	0.00018329	No
						Senp6	53.9663	26.8272	-1.00836	53.9673	26.8282	-1.0083352	0.00018329	No
						Senp7	18.4224	3.32957	-2.46805	18.4234	3.33057	-2.4676983	0.00018329	No
						Senp8	1.28274	3.48392	1.44149	1.28374	3.48492	1.4407725	0.0192579	No
						Sepn1	0.517658	5.88217	3.50628	0.518658	5.88317	3.50373827	0.00018329	No
						Sepw1	107.44	33.3903	-1.68603	107.441	33.3913	-1.6860005	0.00018329	No
						SERBP1	318.255	107.21	-1.56975	318.256	107.211	-1.5697348	0.00018329	No
						Serf1	2.41035	13.3336	2.46776	2.41135	13.3346	2.46726157	0.00530972	No
						Sergef	16.1007	27.1053	0.75145	16.1017	27.1063	0.75141518	0.0335274	No
						Serinc1	46.5139	75.2951	0.694892	46.5149	75.2961	0.69488222	0.0172708	No
						Serinc2	0.16772	25.5033	7.24848	0.16872	25.5043	7.23996569	0.00018329	No
						Serinc5	2.11673	5.72329	1.43501	2.11773	5.72429	1.4345781	0.00018329	No
						Serpina3n	0	2.37077	inf	0.001	2.37177	11.2117484	0.00018329	No
						Serpinb1a	0.669666	41.3876	5.94961	0.670666	41.3886	5.94749517	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Serpinb5	0	2.74779	inf	0.001	2.74879	11.424581	0.00018329	No
						Serpinb6	2.73904	61.355	4.48544	2.74004	61.356	4.48493557	0.0181001	No
						Serpinb6b	257.891	29.4336	-3.13122	257.892	29.4346	-3.1311821	0.00018329	No
						Serpinb8	0	4.51219	inf	0.001	4.51319	12.1399318	0.00018329	No
						Serpinb9	80.9317	11.5758	-2.8056	80.9327	11.5768	-2.8054862	0.00018329	No
						Serpinc1	0.184569	4.37463	4.56693	0.185569	4.37563	4.55946312	0.0172708	No
						Serpine2	0.145635	0.732571	2.33061	0.146635	0.733571	2.32270711	0.015491	No
						Serpini1	6.77244	1.10892	-2.61052	6.77344	1.10992	-2.609433	0.00018329	No
						Sertad1	3.85317	23.3278	2.59794	3.85417	23.3288	2.59761999	0.00018329	No
						Sertad2	15.4336	6.76871	-1.18912	15.4346	6.76971	-1.1890022	0.00018329	No
						Sesn1	133.108	14.9833	-3.15117	133.109	14.9843	-3.1510845	0.00018329	No
						Sesn2	6.21159	14.8227	1.25477	6.21259	14.8237	1.25463884	0.00018329	No
						Sesn3	48.2382	17.461	-1.46604	48.2392	17.462	-1.4659872	0.00018329	No
						Sestd1	0	31.8223	inf	0.001	31.8233	14.9577958	0.00018329	No
						Set	230.254	91.1115	-1.33752	230.255	91.1125	-1.3375116	0.00018329	No
						Setd1b	31.0926	9.48046	-1.71354	31.0936	9.48146	-1.7134365	0.00018329	No
						Setd2	40.4599	17.9978	-1.16868	40.4609	17.9988	-1.1686277	0.0136625	No
						Setd4	14.7659	25.6322	0.795683	14.7669	25.6332	0.7956466	0.0246265	No
						Setd5	21.8789	8.66452	-1.33634	21.8799	8.66552	-1.3362479	0.00018329	No
						Setd7	22.0233	10.8996	-1.01475	22.0243	10.9006	-1.0146886	0.00097029	No
						Setdb1	19.8327	10.6297	-0.899782	19.8337	10.6307	-0.8997172	0.0351863	No
						Setx	91.7748	14.1713	-2.69513	91.7758	14.1723	-2.6950399	0.00018329	No
						Sf1	172.818	87.3488	-0.984398	172.819	87.3498	-0.9843855	0.0031651	No
						Sf3a1	22.981	14.4321	-0.67116	22.982	14.4331	-0.6711232	0.012679	No
						Sf3b1	171.05	59.8871	-1.5141	171.051	59.8881	-1.5140853	0.00018329	No
						Sf3b2	89.6124	54.6992	-0.712179	89.6134	54.7002	-0.7121684	0.00845618	No
						Sf3b3	56.1855	21.0715	-1.41491	56.1865	21.0725	-1.4148621	0.00018329	No
						Sf3b6	123.515	51.7291	-1.25563	123.516	51.7301	-1.2556221	0.00018329	No
						Sfn	2.1677	7.26506	1.74481	2.1687	7.26606	1.74434278	0.00018329	No
						Sfpq	133.619	85.2361	-0.64859	133.62	85.2371	-0.6485825	0.0424854	No
						SFR1	99.8556	36.0909	-1.46821	99.8566	36.0919	-1.4681827	0.00018329	No
						Sfta2	0	11.6282	inf	0.001	11.6292	13.5054642	0.00018329	No
						Sfxn2	5.92828	12.0686	1.02557	5.92928	12.0696	1.02544903	0.00018329	No
						Sfxn3	16.1861	23.7962	0.555972	16.1871	23.7972	0.55594729	0.0484218	No
						Sfxn5	0.272182	1.58313	2.54014	0.273182	1.58413	2.5357564	0.00555427	No
						Sgca	0	3.42974	inf	0.001	3.43074	11.7443041	0.00018329	No
						Sgcb	1.29935	4.07156	1.64779	1.30035	4.07256	1.64703596	0.00018329	No
						Sgce	0	37.526	inf	0.001	37.527	15.1956413	0.00018329	No
						Sgk1	11.6467	45.8595	1.9773	11.6477	45.8605	1.97720698	0.00018329	No
						Sgk3	6.52053	3.9573	-0.720474	6.52153	3.9583	-0.7203295	0.0230128	No
						Sgms1	5.63863	23.0791	2.03317	5.63963	23.0801	2.03297706	0.00018329	No
						Sgms2	0.0455826	7.21102	7.30558	0.0465826	7.21202	7.27446842	0.00591487	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sgsh	8.69758	3.25431	-1.41826	8.69858	3.25531	-1.417985	0.00197017	No
						Sgsm1	0.0158186	1.67466	6.7261	0.0168186	1.67566	6.63852802	0.0428533	No
						Sgsm2	2.34892	6.03783	1.36203	2.34992	6.03883	1.36165742	0.0018326	No
						Sgsm3	0.773969	9.7088	3.64895	0.774969	9.7098	3.64723107	0.00732142	No
						Sgta	41.6106	77.1902	0.891469	41.6116	77.1912	0.89145062	0.00051281	No
						Sh2b3	10.4273	6.66239	-0.646256	10.4283	6.66339	-0.6461758	0.0287615	No
						Sh2d1a	58.7143	5.95626	-3.30124	58.7153	5.95726	-3.3010157	0.00018329	No
						Sh2d4a	0	39.683	inf	0.001	39.684	15.2762698	0.00018329	No
						Sh3bgrl	114.518	58.4663	-0.969894	114.519	58.4673	-0.9698851	0.00018329	No
						Sh3bgrl2	0.271328	19.0841	6.13619	0.272328	19.0851	6.13095761	0.00018329	No
						Sh3bgrl3	309	168.922	-0.871248	309.001	168.923	-0.8712457	0.00066911	No
						Sh3bp2	2.57506	8.45254	1.71478	2.57606	8.45354	1.71438941	0.00018329	No
						Sh3bp4	0.250176	12.4584	5.63803	0.251176	12.4594	5.63239216	0.00018329	No
						Sh3bp5	2.57488	32.1301	3.64135	2.57588	32.1311	3.64083308	0.00018329	No
						Sh3bp5l	4.23701	11.5072	1.44142	4.23801	11.5082	1.4412033	0.00018329	No
						Sh3gl2	0.0283274	10.6266	8.55127	0.0293274	10.6276	8.50135094	0.00432763	No
						Sh3glb2	12.9699	25.0882	0.951846	12.9709	25.0892	0.95178788	0.00111812	No
						Sh3kbp1	160.629	20.0824	-2.99973	160.63	20.0834	-2.9996659	0.00018329	No
						Sh3rf1	2.81215	24.8148	3.14146	2.81315	24.8158	3.14100058	0.00018329	No
						Sh3tc1	2.63144	32.5139	3.62713	2.63244	32.5149	3.62662843	0.00018329	No
						Sh3tc2	0	15.8167	inf	0.001	15.8177	13.9492522	0.00018329	No
						Sh3yl1	0.550853	30.0057	5.76743	0.551853	30.0067	5.76485684	0.00018329	No
						Shb	5.57255	90.5917	4.02297	5.57355	90.5927	4.02272637	0.00018329	No
						She	4.2389	1.94283	-1.12553	4.2399	1.94383	-1.1251282	0.00469886	No
						Shf	1.14914	6.01367	2.38769	1.15014	6.01467	2.3866761	0.00126492	No
						Shh	0	1.30458	inf	0.001	1.30558	10.3504751	0.00519348	No
						Shisa4	0.0584354	5.92935	6.66489	0.0594354	5.93035	6.64065098	0.00035173	No
						Shisa5	469.33	118.673	-1.98361	469.331	118.674	-1.9836019	0.00018329	No
						Shmt2	66.183	33.9465	-0.963198	66.184	33.9475	-0.9631772	0.00051281	No
						Shoc2	14.401	6.00997	-1.26074	14.402	6.01097	-1.2605994	0.00799878	No
						Shprh	5.0823	3.104	-0.711356	5.0833	3.105	-0.7111721	0.0357237	No
						Shq1	3.52129	1.42091	-1.30929	3.52229	1.42191	-1.3086835	0.0121287	No
						Shroom2	0	3.32392	inf	0.001	3.32492	11.6991039	0.00018329	No
						Shroom4	0	7.16791	inf	0.001	7.16891	12.8075381	0.00018329	No
						Siah1a	4.04962	11.1915	1.46654	4.05062	11.1925	1.46631767	0.00035173	No
						Siah2	3.74227	9.22343	1.30139	3.74327	9.22443	1.30116065	0.00018329	No
						Sidt1	8.03504	1.88485	-2.09185	8.03604	1.88585	-2.0912698	0.00018329	No
						Siglec1	0.139798	2.76411	4.30539	0.140798	2.76511	4.29563813	0.00066911	No
						Siglec5	0.10122	1.45893	3.84935	0.10222	1.45993	3.8361498	0.00066911	No
						Sik1	0.867086	4.88059	2.49281	0.868086	4.88159	2.49144125	0.00018329	No
						Sil1	10.9687	44.8122	2.0305	10.9697	44.8132	2.03039968	0.00018329	No
						Sim2	0.0223687	24.9447	10.123	0.0233687	24.9457	10.059998	0.0139848	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sipa1l3	6.55096	17.6873	1.43293	6.55196	17.6883	1.43279694	0.00066911	No
						Sirpa	0.700825	13.7026	4.28925	0.701825	13.7036	4.2872998	0.00018329	No
						Sirt1	18.7051	7.32403	-1.35272	18.7061	7.32503	-1.3526022	0.00380824	No
						Sirt3	7.83803	20.0332	1.35383	7.83903	20.0342	1.35371785	0.00018329	No
						Sirt7	63.9788	30.3226	-1.0772	63.9798	30.3236	-1.0771754	0.00018329	No
						Sit1	83.0489	15.7272	-2.4007	83.0499	15.7282	-2.4006249	0.00018329	No
						Six4	0.216827	1.61405	2.89607	0.217827	1.61505	2.89032414	0.00018329	No
						Six5	0.106511	8.34644	6.29208	0.107511	8.34744	6.27877764	0.00018329	No
						Ska1	0.286623	1.97557	2.78504	0.287623	1.97657	2.7807481	0.00126492	No
						Skap1	298.797	53.1801	-2.49021	298.798	53.1811	-2.490185	0.00018329	No
						Skap2	12.9677	38.6647	1.5761	12.9687	38.6657	1.57602046	0.00018329	No
						Ski	31.6035	20.3994	-0.631561	31.6045	20.4004	-0.6315326	0.0253382	No
						Skida1	0.0913106	1.59099	4.123	0.0923106	1.59199	4.10819114	0.0178968	No
						Sla	35.9769	4.10648	-3.1311	35.9779	4.10748	-3.1307855	0.00018329	No
						Slain1	14.5815	5.26211	-1.47043	14.5825	5.26311	-1.4702506	0.00018329	No
						Slamf1	3.74385	1.10706	-1.75779	3.74485	1.10806	-1.7568719	0.0142025	No
						Slamf6	49.445	4.87587	-3.34209	49.446	4.87687	-3.3418264	0.00018329	No
						Slamf9	0.127562	12.7329	6.64121	0.128562	12.7339	6.63006625	0.0076683	No
						Slc11a2	13.4529	23.504	0.804992	13.4539	23.505	0.80494324	0.00799878	No
						Slc12a2	5.01659	10.1567	1.01765	5.01759	10.1577	1.01750728	0.00126492	No
						Slc12a6	22.5185	3.76882	-2.57892	22.5195	3.76982	-2.5786073	0.00018329	No
						Slc12a7	37.0772	18.7433	-0.984156	37.0782	18.7443	-0.9841193	0.00018329	No
						Slc12a8	0.173227	7.1936	5.37598	0.174227	7.1946	5.36787436	0.0202696	No
						Slc12a9	25.3592	40.3364	0.669571	25.3602	40.3374	0.66955197	0.0282824	No
						Slc13a1	0	18.6408	inf	0.001	18.6418	14.1862535	0.00018329	No
						Slc14a1	34.0874	15.1107	-1.17367	34.0884	15.1117	-1.1736149	0.00018329	No
						Slc15a2	0	5.50116	inf	0.001	5.50216	12.4257824	0.00018329	No
						Slc16a1	12.2008	6.99961	-0.801632	12.2018	7.00061	-0.8015414	0.00799878	No
						Slc16a10	5.64558	2.80787	-1.00765	5.64658	2.80887	-1.0073875	0.00567465	No
						SLC16A11	0.0963285	14.3897	7.22285	0.0973285	14.3907	7.20805873	0.00018329	No
						Slc16a13	0.908471	8.42453	3.21309	0.909471	8.42553	3.2116679	0.00018329	No
						Slc16a14	0.0237556	7.19009	8.2416	0.0247556	7.19109	8.18231174	0.0359108	No
						Slc16a6	25.0737	13.675	-0.874632	25.0747	13.676	-0.8745861	0.0152837	No
						Slc16a7	0.0317541	74.7464	11.2008	0.0327541	74.7474	11.1561322	0.00018329	No
						Slc17a1	0	8.98945	inf	0.001	8.99045	13.1341776	0.00018329	No
						Slc17a2	0	2.6689	inf	0.001	2.6699	11.38257	0.00018329	No
						Slc17a3	0	23.4724	inf	0.001	23.4734	14.5187392	0.00018329	No
						Slc17a4	0	5.76865	inf	0.001	5.76965	12.4942681	0.00018329	No
						Slc18b1	0.139285	6.0828	5.44863	0.140285	6.0838	5.43854006	0.00018329	No
						Slc19a1	8.76274	24.8618	1.50448	8.76374	24.8628	1.50437019	0.00018329	No
						Slc19a2	3.5623	6.53018	0.874315	3.5633	6.53118	0.87412972	0.0063852	No
						Slc1a1	0.0351951	36.7673	10.0288	0.0361951	36.7683	9.98845236	0.00082046	No

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						Slc1a4	0.231265	1.04122	2.17065	0.232265	1.04222	2.16581617	0.00277264	No
						Slc20a1	44.3683	26.6316	-0.736388	44.3693	26.6326	-0.7363685	0.0135584	No
						Slc22a12	0	71.6525	inf	0.001	71.6535	16.1287496	0.00018329	No
						Slc22a15	0.0976171	4.97623	5.67177	0.0986171	4.97723	5.65736142	0.00018329	No
						Slc22a18	3.01032	23.4601	2.96222	3.01132	23.4611	2.96180273	0.00018329	No
						Slc22a2	0	38.3203	inf	0.001	38.3213	15.2258589	0.00018329	No
						Slc22a22	0	11.4531	inf	0.001	11.4541	13.4835765	0.00018329	No
						Slc22a23	0.0217641	3.58886	7.36543	0.0227641	3.58986	7.30102335	0.00018329	No
						Slc22a24	0	0.978896	inf	0.001	0.979896	9.93648483	0.00018329	No
						Slc22a25	0	7.34877	inf	0.001	7.34977	12.8434834	0.00018329	No
						Slc22a4	0.124088	7.66054	5.94801	0.125088	7.66154	5.93661911	0.00018329	No
						Slc22a5	1.68733	39.3519	4.54362	1.68833	39.3529	4.54280113	0.00018329	No
						Slc23a2	14.096	5.56543	-1.34072	14.097	5.56643	-1.3405639	0.00018329	No
						Slc23a3	0.341602	2.00245	2.55138	0.342602	2.00345	2.54788103	0.00018329	No
						Slc24a6	4.21961	32.0101	2.92335	4.22061	32.0111	2.92304882	0.00018329	No
						Slc25a1	14.5026	45.738	1.65708	14.5036	45.739	1.65701378	0.00018329	No
						Slc25a10	5.57659	83.9059	3.91132	5.57759	83.9069	3.91107566	0.00018329	No
						Slc25a11	41.5887	104.695	1.33193	41.5897	104.696	1.33190814	0.00018329	No
						Slc25a13	0.5407	16.6731	4.94655	0.5417	16.6741	4.94397099	0.00066911	No
						Slc25a15	4.26478	10.6171	1.31585	4.26578	10.6181	1.31564417	0.00018329	No
						Slc25a20	18.0506	32.8736	0.864885	18.0516	32.8746	0.86484662	0.00238141	No
						Slc25a24	1.96948	9.1546	2.21668	1.97048	9.1556	2.21610733	0.00018329	No
						Slc25a25	3.07194	24.2923	2.98328	3.07294	24.2933	2.98286698	0.00018329	No
						Slc25a28	31.7123	55.7687	0.814414	31.7133	55.7697	0.8143935	0.00494262	No
						Slc25a29	3.08015	17.2984	2.48957	3.08115	17.2994	2.48918118	0.00018329	No
						Slc25a3	287.9	574.886	0.99771	287.901	574.887	0.99770561	0.00035173	No
						Slc25a30	16.9108	52.1296	1.62416	16.9118	52.1306	1.62410024	0.00018329	No
						Slc25a33	7.19638	12.004	0.738176	7.19738	12.005	0.73809167	0.0352739	No
						Slc25a35	1.56304	12.6297	3.01439	1.56404	12.6307	3.01358528	0.0441737	No
						Slc25a36l1	75.5267	22.7142	-1.73339	75.5277	22.7152	-1.7333478	0.00018329	No
						Slc25a38	23.3098	52.4803	1.17084	23.3108	52.4813	1.17080494	0.00018329	No
						Slc25a39	86.5399	155.734	0.847642	86.5409	155.735	0.84763918	0.00082046	No
						Slc25a4	51.996	250.919	2.27075	51.997	250.92	2.27072717	0.00018329	No
						Slc25a44	6.16869	9.56264	0.632445	6.16969	9.56364	0.63236182	0.0415563	No
						Slc25a45	0.318816	14.2148	5.47853	0.319816	14.2158	5.47410936	0.00018329	No
						Slc25a46	29.9171	12.6813	-1.23826	29.9181	12.6823	-1.2382021	0.00018329	No
						Slc25a48	0	14.8255	inf	0.001	14.8265	13.8558904	0.00018329	No
						Slc25a5	362.733	795.318	1.13262	362.734	795.319	1.13262166	0.00018329	No
						Slc26a2	2.63409	1.23875	-1.08843	2.63509	1.23975	-1.087803	0.0018326	No
						Slc26a4	0.0579997	2.37019	5.35281	0.0589997	2.37119	5.32875984	0.00251301	No
						Slc26a7	0	0.644657	inf	0.001	0.645657	9.33462414	0.00018329	No
						Slc26a8	80.0745	33.0394	-1.27715	80.0755	33.0404	-1.2771297	0.00018329	No

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						Slc27a4	19.6777	28.8973	0.554374	19.6787	28.8983	0.55434971	0.0470877	No
						Slc28a1	0	10.3143	inf	0.001	10.3153	13.3324982	0.00018329	No
						Slc28a2	97.4875	13.4077	-2.86215	97.4885	13.4087	-2.8620627	0.00018329	No
						Slc29a3	1.87377	20.1088	3.42382	1.87477	20.1098	3.42311321	0.00018329	No
						Slc2a1	8.80648	51.4582	2.54676	8.80748	51.4592	2.54662783	0.00018329	No
						Slc2a12	0.105769	2.21761	4.39002	0.106769	2.21861	4.37709135	0.00018329	No
						Slc2a2	0	4.80751	inf	0.001	4.80851	12.2313742	0.00018329	No
						Slc2a5	0	3.54709	inf	0.001	3.54809	11.7928269	0.00018329	No
						Slc2a6	1.80091	12.3335	2.77579	1.80191	12.3345	2.77510037	0.0290402	No
						Slc2a9	3.13042	1.24917	-1.32538	3.13142	1.25017	-1.3246927	0.0026435	No
						Slc30a2	0.0734553	1.43098	4.28399	0.0744553	1.43198	4.26549298	0.00035173	No
						Slc30a4	1.76868	3.89635	1.13945	1.76968	3.89735	1.13900499	0.00097029	No
						Slc30a7	10.008	4.40686	-1.18333	10.009	4.40786	-1.1831475	0.00140841	No
						Slc31a1	5.66311	17.2979	1.61093	5.66411	17.2989	1.61075911	0.00543198	No
						Slc31a2	7.23492	47.253	2.70736	7.23592	47.254	2.70718809	0.00097029	No
						Slc35a1	10.5165	18.3873	0.806053	10.5175	18.3883	0.80599629	0.00530972	No
						Slc35b1	23.9378	41.8668	0.806516	23.9388	41.8678	0.80649028	0.00555427	No
						Slc35b4	21.6498	12.3936	-0.804759	21.6508	12.3946	-0.8047086	0.00744054	No
						Slc35d1	1.73837	4.39409	1.33783	1.73937	4.39509	1.33732785	0.00506686	No
						Slc35d2	9.96038	5.69799	-0.805749	9.96138	5.69899	-0.8056394	0.0282824	No
						Slc35e2b	6.27312	3.46596	-0.855927	6.27412	3.46696	-0.8557419	0.00277264	No
						Slc35e3	2.32734	10.0789	2.11459	2.32834	10.0799	2.11410768	0.00018329	No
						Slc35f5	5.07003	15.5146	1.61356	5.07103	15.5156	1.61336877	0.00018329	No
						Slc35f6	2.65516	5.47843	1.04497	2.65616	5.47943	1.04468377	0.00615197	No
						Slc35g1	0.261968	1.9231	2.87597	0.262968	1.9241	2.87122462	0.00519348	No
						Slc37a1	4.32022	19.4648	2.17169	4.32122	19.4658	2.17143105	0.0326623	No
						Slc37a2	0.617417	2.26705	1.8765	0.618417	2.26805	1.87480056	0.00111812	No
						Slc37a4	20.9385	31.8887	0.606885	20.9395	31.8897	0.60686353	0.0298279	No
						Slc38a1	30.8102	15.3477	-1.00538	30.8112	15.3487	-1.0053384	0.00494262	No
						Slc38a3	0	10.0043	inf	0.001	10.0053	13.2884768	0.00018329	No
						Slc38a7	0.487491	1.95786	2.00583	0.488491	1.95886	2.0036104	0.00591487	No
						Slc38a8	1.88534	0.349056	-2.43329	1.88634	0.350056	-2.4299321	0.0342763	No
						Slc38a9	5.81823	2.60832	-1.15746	5.81923	2.60932	-1.1571544	0.00506686	No
						Slc39a1	9.70152	33.4685	1.78652	9.70252	33.4695	1.78641559	0.00018329	No
						Slc39a12	0	1.45959	inf	0.001	1.46059	10.5123355	0.00018329	No
						Slc39a13	2.55069	19.0642	2.90191	2.55169	19.0652	2.90141669	0.00018329	No
						Slc39a6	12.3023	7.22737	-0.767387	12.3033	7.22837	-0.7673031	0.00970533	No
						Slc3a2	38.8312	97.1874	1.32355	38.8322	97.1884	1.32353069	0.00018329	No
						Slc40a1	0.28993	5.83415	4.33075	0.29093	5.83515	4.32602577	0.00018329	No
						Slc41a3	9.8243	3.096	-1.66595	9.8253	3.097	-1.6656301	0.00018329	No
						Slc43a1	13.0093	2.6222	-2.31069	13.0103	2.6232	-2.3102545	0.00035173	No
						Slc43a3	0.0795904	1.07057	3.74965	0.0805904	1.07157	3.73297429	0.00591487	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc44a1	0.0560821	24.6235	8.77828	0.0570821	24.6245	8.7528403	0.00018329	No
						Slc44a3	0	16.5914	inf	0.001	16.5924	14.018235	0.00018329	No
						Slc45a3	0.114491	8.60195	6.23135	0.115491	8.60295	6.21897912	0.00018329	No
						SLC45A4	3.06313	10.3744	1.75994	3.06413	10.3754	1.75961755	0.00018329	No
						Slc46a1	0.363277	1.18769	1.70902	0.364277	1.18869	1.70626471	0.00406781	No
						Slc47a1	0	23.5814	inf	0.001	23.5824	14.5254229	0.00018329	No
						Slc4a1	0.0305041	7.24511	7.89186	0.0315041	7.24611	7.8455233	0.0110491	No
						Slc4a3	0	8.06556	inf	0.001	8.06656	12.9777378	0.00018329	No
						Slc4a7	20.1218	3.69985	-2.44322	20.1228	3.70085	-2.4429025	0.00018329	No
						Slc50a1	74.9644	47.4644	-0.659361	74.9654	47.4654	-0.6593486	0.0178047	No
						Slc51b	0	39.4631	inf	0.001	39.4641	15.2682532	0.00018329	No
						Slc52a3	0.408121	2.92308	2.84042	0.409121	2.92408	2.83738329	0.00018329	No
						Slc5a10	0.0484467	29.8964	9.26936	0.0494467	29.8974	9.23993007	0.017174	No
						Slc5a11	0	5.32827	inf	0.001	5.32927	12.3797222	0.00018329	No
						Slc5a2	0.0288384	7.14634	7.95307	0.0298384	7.14734	7.90409243	0.00197017	No
						Slc5a6	8.1341	17.4835	1.10394	8.1351	17.4845	1.10384455	0.00469886	No
						Slc5a8	0	4.59799	inf	0.001	4.59899	12.1671013	0.00018329	No
						Slc5a9	0	2.27569	inf	0.001	2.27669	11.1527221	0.00018329	No
						Slc6a12	0.315785	31.4387	6.63746	0.316785	31.4397	6.63293962	0.00018329	No
						Slc6a13	0	3.13308	inf	0.001	3.13408	11.6138263	0.00018329	No
						Slc6a17	0.0163297	2.79378	7.41858	0.0173297	2.79478	7.33334423	0.00744054	No
						Slc6a18	0	88.7718	inf	0.001	88.7728	16.4378301	0.00018329	No
						Slc6a19	0	2.6214	inf	0.001	2.6224	11.356672	0.00018329	No
						Slc6a8	0.820952	58.5841	6.15707	0.821952	58.5851	6.15533583	0.00018329	No
						Slc7a1	5.10411	2.48874	-1.03625	5.10511	2.48974	-1.035947	0.00082046	No
						Slc7a12	0	3.74684	inf	0.001	3.74784	11.8718436	0.00018329	No
						Slc7a13	0	43.4814	inf	0.001	43.4824	15.408144	0.00018329	No
						Slc7a6	15.0852	7.03482	-1.10055	15.0862	7.03582	-1.100439	0.00018329	No
						Slc7a6os	22.7926	12.7067	-0.842978	22.7936	12.7077	-0.8429259	0.00530972	No
						Slc7a7	0.416621	56.038	7.07153	0.417621	56.039	7.06809314	0.00018329	No
						Slc7a8	0.147957	5.91876	5.32204	0.148957	5.91976	5.31257086	0.00018329	No
						Slc7a9	0	22.496	inf	0.001	22.497	14.457445	0.00018329	No
						Slc9a1	47.1533	81.8584	0.795773	47.1543	81.8594	0.79575876	0.00788539	No
						Slc9a2	0	2.26611	inf	0.001	2.26711	11.1466387	0.00018329	No
						Slc9a3r1	147.776	99.7009	-0.567736	147.777	99.7019	-0.5677288	0.0335274	No
						Slc9a3r2	0.0375456	23.4617	9.28745	0.0385456	23.4627	9.24958714	0.00126492	No
						Slc9a4	0	0.679384	inf	0.001	0.680384	9.4102054	0.00018329	No
						Slc9a7	11.1775	1.38703	-3.01053	11.1785	1.38803	-3.009616	0.00018329	No
						Slc9a9	29.8875	3.81336	-2.97041	29.8885	3.81436	-2.9700776	0.00035173	No
						Slco2a1	0	17.7249	inf	0.001	17.7259	14.1135713	0.00018329	No
						Slco3a1	3.57049	12.4727	1.80458	3.57149	12.4737	1.80429148	0.00018329	No
						Slco4a1	0.491263	9.69904	4.30328	0.492263	9.70004	4.30048949	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slfn2	441.341	71.1449	-2.63306	441.342	71.1459	-2.6330445	0.00018329	No
						Slfn5	149.564	27.6723	-2.43424	149.565	27.6733	-2.434206	0.00018329	No
						Slit3	0	0.682772	inf	0.001	0.683772	9.41737154	0.00018329	No
						Slk	6.87496	15.099	1.13503	6.87596	15.1	1.13491549	0.00035173	No
						Slpi	0.483113	11.8966	4.62204	0.484113	11.8976	4.61918293	0.00959787	No
						Slu7	34.2113	17.958	-0.929841	34.2123	17.959	-0.9298081	0.00051281	No
						Smad1	1.74705	10.815	2.63004	1.74805	10.816	2.6293487	0.00018329	No
						Smad2	26.3003	15.5376	-0.759315	26.3013	15.5386	-0.7592776	0.0149499	No
						Smad4	90.4417	22.8039	-1.98771	90.4427	22.8049	-1.9876602	0.00018329	No
						Smad5	22.0587	9.25112	-1.25365	22.0597	9.25212	-1.2535573	0.00018329	No
						SMAGP	3.68841	167.193	5.50237	3.68941	167.194	5.50198914	0.00018329	No
						Smap1	39.0749	25.7598	-0.60112	39.0759	25.7608	-0.6011017	0.0275792	No
						Smap2	105.392	29.2536	-1.84907	105.393	29.2546	-1.8490437	0.00197017	No
						Smarca5	41.4061	19.7434	-1.06847	41.4071	19.7444	-1.0684346	0.00018329	No
						Smarcad1	15.6241	8.85765	-0.818774	15.6251	8.85865	-0.8187067	0.0286648	No
						Smarcc2	66.8949	42.8582	-0.642325	66.8959	42.8592	-0.6423129	0.0325782	No
						Smarcd1	19.1327	9.72782	-0.975853	19.1337	9.72882	-0.9757791	0.00111812	No
						Smarcd2	45.8777	24.7422	-0.890817	45.8787	24.7432	-0.8907924	0.0294443	No
						Smarcd3	0.179488	38.731	7.75346	0.180488	38.732	7.74547927	0.00018329	No
						Smc1a	43.8814	18.5067	-1.24556	43.8824	18.5077	-1.2455168	0.00018329	No
						Smc2	5.45696	3.23013	-0.756505	5.45796	3.23113	-0.756323	0.0115803	No
						Smc3	31.002	20.8009	-0.575713	31.003	20.8019	-0.5756925	0.030858	No
						Smc4	186.809	18.9569	-3.30077	186.81	18.9579	-3.3007006	0.00018329	No
						Smc5	10.4406	5.77014	-0.855522	10.4416	5.77114	-0.8554146	0.00567465	No
						Smc6	30.5608	16.8257	-0.861021	30.5618	16.8267	-0.8609772	0.0393003	No
						Smchd1	65.1221	13.0048	-2.3241	65.1231	13.0058	-2.3240142	0.00018329	No
						Smtd1	91.9777	326.026	1.82563	91.9787	326.027	1.82561973	0.00018329	No
						Smek1	57.0629	23.0975	-1.30482	57.0639	23.0985	-1.3047792	0.00018329	No
						Smek2	26.9839	9.89327	-1.44758	26.9849	9.89427	-1.4474872	0.00018329	No
						Smg1	34.9312	8.15157	-2.09937	34.9322	8.15257	-2.0992307	0.00018329	No
						Smg5	26.9554	14.4795	-0.896568	26.9564	14.4805	-0.8965164	0.00066911	No
						Smg7	23.8147	9.47782	-1.32923	23.8157	9.47882	-1.3291336	0.00018329	No
						Smim1	0.471069	26.1925	5.79707	0.472069	26.1935	5.79406729	0.00018329	No
						Smim12	42.2209	83.0764	0.97648	42.2219	83.0774	0.97646456	0.0100349	No
						SMIM13	5.04248	11.8551	1.23331	5.04348	11.8561	1.23313808	0.00777671	No
						SMIM15	45.677	15.9291	-1.5198	45.678	15.9301	-1.5197442	0.00018329	No
						Smim20	36.252	94.8476	1.38755	36.253	94.8486	1.38752609	0.00018329	No
						Smim24	7.00593	180.892	4.6904	7.00693	180.893	4.69021029	0.00018329	No
						SMIM5	0.159329	19.2225	6.91464	0.160329	19.2235	6.90569182	0.00018329	No
						Smim7	28.2763	46.933	0.731011	28.2773	46.934	0.73098905	0.00721079	No
						SMNDC1	44.2347	27.4447	-0.688652	44.2357	27.4457	-0.688631	0.0184137	No
						Smox	15.8038	8.06416	-0.970674	15.8048	8.06516	-0.9705877	0.00567465	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Smpd1	27.4677	48.3975	0.817197	27.4687	48.3985	0.8171737	0.0016929	No
						Smpd2	62.6182	30.3726	-1.04381	62.6192	30.3736	-1.0437872	0.00018329	No
						Smpd13a	29.4454	50.7095	0.784214	29.4464	50.7105	0.78419323	0.0107084	No
						Smpx	0	24.639	inf	0.001	24.64	14.5887146	0.00018329	No
						Smtn	0.0603755	28.911	8.90344	0.0613755	28.912	8.87978982	0.00018329	No
						Smu1	47.938	29.9005	-0.681	47.939	29.9015	-0.680982	0.0108214	No
						Smurf2	18.6867	8.73655	-1.09688	18.6877	8.73755	-1.0967883	0.00018329	No
						Snapc2	17.4055	37.5934	1.11094	17.4065	37.5944	1.11089163	0.00035173	No
						Snca	0	2.52411	inf	0.001	2.52511	11.3021305	0.00018329	No
						Snd1	44.2861	23.1344	-0.936815	44.2871	23.1354	-0.9367845	0.00018329	No
						Sned1	0.0291522	17.8954	9.26177	0.0301522	17.8964	9.21319042	0.00018329	No
						Snf8	66.3262	132.39	0.997146	66.3272	132.391	0.99713252	0.0238252	No
						Snrk	20.7538	8.56273	-1.27724	20.7548	8.56373	-1.2771338	0.00018329	No
						Snrnp200	33.0257	16.9176	-0.96507	33.0267	16.9186	-0.9650226	0.00018329	No
						Snrnp35	17.8877	31.8334	0.83157	17.8887	31.8344	0.83153802	0.010379	No
						Snrnp40	38.0696	17.0666	-1.15747	38.0706	17.0676	-1.1574171	0.00018329	No
						Snrnp48	74.8299	38.8093	-0.947211	74.8309	38.8103	-0.9471945	0.00380824	No
						Snrpa1	46.2748	29.3706	-0.655853	46.2758	29.3716	-0.6558361	0.0482423	No
						Snrpb	167.676	99.0345	-0.759671	167.677	99.0355	-0.7596671	0.00354878	No
						Snrpb2	100.109	52.237	-0.938427	100.11	52.238	-0.9384145	0.00082046	No
						Snrpd2	577.041	271.213	-1.08925	577.042	271.214	-1.0892447	0.00018329	No
						Snrpe1	1244.02	405.51	-1.61721	1244.021	405.511	-1.6171979	0.00018329	No
						Snrpf	195.42	83.5641	-1.22562	195.421	83.5651	-1.2256131	0.00018329	No
						Snrpg	576.035	314.519	-0.87301	576.036	314.52	-0.8730072	0.00111812	No
						Sntb2	1.58435	3.79304	1.25946	1.58535	3.79404	1.25893351	0.015491	No
						Snurf	0.178277	19.0827	6.742	0.179277	19.0837	6.73400669	0.00018329	No
						Snw1	67.3796	40.0307	-0.751205	67.3806	40.0317	-0.7511904	0.0316127	No
						Snx18	4.7267	9.656	1.03059	4.7277	9.657	1.03043659	0.00082046	No
						Snx2	35.7614	56.8969	0.669948	35.7624	56.8979	0.66993185	0.00925991	No
						Snx20	81.6889	25.4329	-1.68344	81.6899	25.4339	-1.683405	0.00018329	No
						Snx21	0.457047	17.3248	5.24436	0.458047	17.3258	5.24128252	0.00018329	No
						Snx24	0	17.7874	inf	0.001	17.7884	14.1186491	0.00018329	No
						Snx27	11.378	6.75573	-0.752063	11.379	6.75673	-0.7519767	0.0076683	No
						Snx29	6.50509	12.9199	0.98995	6.50609	12.9209	0.98984388	0.00018329	No
						Snx30	0.331738	5.93781	4.16181	0.332738	5.93881	4.15771534	0.00018329	No
						Snx32	9.82538	1.99249	-2.30194	9.82638	1.99349	-2.3013637	0.00018329	No
						Snx4	27.2849	17.3823	-0.650486	27.2859	17.3833	-0.6504536	0.0201703	No
						SNX5	143.259	66.7914	-1.10089	143.26	66.7924	-1.10088	0.00097029	No
						Snx7	3.54676	16.3719	2.20665	3.54776	16.3729	2.20632956	0.00018329	No
						Snx9	1.02276	39.868	5.2847	1.02376	39.869	5.28331797	0.00018329	No
						Soat1	1.5528	15.1463	3.28603	1.5538	15.1473	3.28518793	0.00018329	No
						Socs1	17.5051	7.02143	-1.31794	17.5061	7.02243	-1.3178155	0.0153859	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Socs2	30.9824	4.19805	-2.88366	30.9834	4.19905	-2.8833606	0.00018329	No
						Socs4	6.27879	3.245	-0.952269	6.27979	3.246	-0.9520533	0.0207821	No
						Sod1	321.172	772.063	1.26537	321.173	772.064	1.26536983	0.00277264	No
						Sod2	26.2877	103.169	1.97255	26.2887	103.17	1.97250882	0.00018329	No
						Sod3	0	37.3796	inf	0.001	37.3806	15.1900021	0.00018329	No
						Soga1	0.15531	9.23604	5.89405	0.15631	9.23704	5.88494863	0.00018329	No
						Soga2	0	1.49374	inf	0.001	1.49474	10.5456788	0.00018329	No
						Son	83.9656	46.4098	-0.855368	83.9666	46.4108	-0.855355	0.0307576	No
						Sorbs1	0.943755	11.9432	3.66163	0.944755	11.9442	3.66022617	0.00018329	No
						Sorbs3	0.20566	22.6002	6.77993	0.20666	22.6012	6.77299639	0.00018329	No
						Sord	11.0815	58.3276	2.39602	11.0825	58.3286	2.39592008	0.00018329	No
						Sort1	1.80424	35.3033	4.29034	1.80524	35.3043	4.28958136	0.00018329	No
						Sos1	18.3479	7.86195	-1.22266	18.3489	7.86295	-1.222551	0.00018329	No
						Sos2	4.31867	8.0577	0.899782	4.31967	8.0587	0.89962602	0.00959787	No
						Sowahb	0	3.52387	inf	0.001	3.52487	11.7833543	0.00018329	No
						Sowahc	0.138691	5.03564	5.18223	0.139691	5.03664	5.17215064	0.00018329	No
						Sox17	0	4.04717	inf	0.001	4.04817	11.9830542	0.00018329	No
						Sox9	0	6.64328	inf	0.001	6.64428	12.6978972	0.00018329	No
						Sp1	22.1609	9.36561	-1.24257	22.1619	9.36661	-1.2424827	0.00018329	No
						Sp140	128.324	43.9195	-1.54686	128.325	43.9205	-1.5468359	0.00018329	No
						Sp3	37.0144	10.8397	-1.77177	37.0154	10.8407	-1.7716677	0.00018329	No
						Sp4	7.46928	1.83332	-2.02651	7.47028	1.83432	-2.025917	0.00018329	No
						Spa17	2.20904	34.6186	3.97006	2.21004	34.6196	3.96944467	0.00380824	No
						Spaca6	0.679342	15.7136	4.53173	0.680342	15.7146	4.52970159	0.00018329	No
						Spag1	0.338306	7.3961	4.45036	0.339306	7.3971	4.44630093	0.00018329	No
						Spag5	0.264957	1.04607	1.98115	0.265957	1.04707	1.97709298	0.00126492	No
						Sparc	8.19958	118.153	3.84896	8.20058	118.154	3.84879871	0.00018329	No
						Spast	25.6375	13.7956	-0.894041	25.6385	13.7966	-0.8939991	0.00329119	No
						Spata13	59.3094	8.75473	-2.76013	59.3104	8.75573	-2.7599857	0.00018329	No
						Spata17	0	1.24922	inf	0.001	1.25022	10.2879663	0.00018329	No
						Spata20	0	0.673072	inf	0.001	0.674072	9.39675889	0.00018329	No
						Spata24	0.746829	10.8073	3.85508	0.747829	10.8083	3.8532874	0.00126492	No
						Spata5	9.39238	4.09908	-1.19619	9.39338	4.10008	-1.1959923	0.00018329	No
						Spata5l1	4.89415	2.5772	-0.925254	4.89515	2.5782	-0.9249889	0.0138771	No
						Spata6	20.3921	6.69087	-1.60774	20.3931	6.69187	-1.6075998	0.00018329	No
						Spata7	0.908626	10.9435	3.59025	0.909626	10.9445	3.58878874	0.00018329	No
						Spats2l	0.05758	9.57005	7.37682	0.05858	9.57105	7.3521252	0.00018329	No
						Spc24	2.63694	7.87564	1.57853	2.63794	7.87664	1.57816859	0.00277264	No
						Spcs1	218.383	145.755	-0.583317	218.384	145.756	-0.5833119	0.030294	No
						Spcs2	94.5355	30.7405	-1.62071	94.5365	30.7415	-1.6206839	0.00018329	No
						Spcs3	61.5352	18.8318	-1.70824	61.5362	18.8328	-1.7081878	0.00018329	No
						Specc1	0.528376	11.2701	4.41479	0.529376	11.2711	4.41219172	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sphk1	5.4782	32.5155	2.56935	5.4792	32.5165	2.56913481	0.00018329	No
						Sphkap	0	2.55225	inf	0.001	2.55325	11.3181191	0.00018329	No
						Spi1	1.99444	31.4353	3.97833	1.99544	31.4363	3.97765262	0.00018329	No
						Spib	1.9867	0.800415	-1.31155	1.9877	0.801415	-1.3104786	0.00948282	No
						Spin4	0	0.684441	inf	0.001	0.685441	9.42088868	0.00018329	No
						Spink1	0	113.555	inf	0.001	113.556	16.7930444	0.00018329	No
						Spint2	102.606	1258.55	3.61658	102.607	1258.551	3.61656262	0.00018329	No
						Spire1	1.23849	14.3113	3.53051	1.23949	14.3123	3.529437	0.00018329	No
						Spire2	0.0152609	2.13059	7.12527	0.0162609	2.13159	7.03437905	0.0243241	No
						Spns1	25.8709	56.2722	1.12109	25.8719	56.2732	1.121062	0.00154856	No
						Spns2	7.05335	22.0153	1.64213	7.05435	22.0163	1.64198697	0.0272082	No
						Spns3	0.116611	4.00432	5.10179	0.117611	4.00532	5.0898226	0.00018329	No
						Spop	51.3134	29.3049	-0.808196	51.3144	29.3059	-0.8081726	0.0026435	No
						Spp1	0	7579.07	inf	0.001	7579.071	22.8535896	0.00018329	No
						SPPL2A	12.2027	6.93187	-0.815883	12.2037	6.93287	-0.815794	0.0175951	No
						Spr	14.7969	37.2641	1.33249	14.7979	37.2651	1.33243268	0.00018329	No
						Sprr1a	0	71.6623	inf	0.001	71.6633	16.1289469	0.00018329	No
						Sprt	8.06354	3.93147	-1.03635	8.06454	3.93247	-1.0361565	0.00051281	No
						Spry1	0.622884	16.1227	4.69398	0.623884	16.1237	4.69176122	0.00018329	No
						Spryd7	1.75074	31.0641	4.14922	1.75174	31.0651	4.14843413	0.00018329	No
						Spsb2	3.43069	8.23274	1.26287	3.43169	8.23374	1.26262866	0.00140841	No
						Sptbn2	0.0285413	3.17079	6.79565	0.0295413	3.17179	6.74642013	0.00051281	No
						Sptssb	0	8.62359	inf	0.001	8.62459	13.0742402	0.00018329	No
						Sqrdl	2.93761	16.1013	2.45446	2.93861	16.1023	2.45406096	0.00018329	No
						Srbd1	14.0134	7.99258	-0.810073	14.0144	7.99358	-0.8099963	0.0240232	No
						Src	4.51697	17.8157	1.97972	4.51797	17.8167	1.97948355	0.00018329	No
						Srcin1	62.0773	13.1907	-2.23454	62.0783	13.1917	-2.2344586	0.00018329	No
						Srcrb4d	1.39859	5.79775	2.05152	1.39959	5.79875	2.05073768	0.00035173	No
						Srd5a1	0.606682	5.19279	3.0975	0.607682	5.19379	3.09539922	0.00018329	No
						Srd5a3	36.3847	14.2858	-1.34875	36.3857	14.2868	-1.3486888	0.00018329	No
						Srebf2	35.6276	23.6955	-0.588381	35.6286	23.6965	-0.5883618	0.0315274	No
						Srgap3	0.511512	3.59729	2.81407	0.512512	3.59829	2.81165377	0.00018329	No
						Srgn	211.793	46.6734	-2.18198	211.794	46.6744	-2.1819583	0.00018329	No
						Srpx	0	0.919876	inf	0.001	0.920876	9.84686309	0.00018329	No
						Srrm1	101.459	50.9995	-0.992337	101.46	51.0005	-0.9923278	0.00406781	No
						Srsf1	147.215	56.7827	-1.37441	147.216	56.7837	-1.3743857	0.00018329	No
						Srsf10	37.1681	16.0829	-1.20854	37.1691	16.0839	-1.2084865	0.00018329	No
						Srsf11	118.083	52.1702	-1.17851	118.084	52.1712	-1.178488	0.00018329	No
						Srsf2	498.166	286.693	-0.79712	498.167	286.694	-0.7971177	0.0143185	No
						Srsf3	143.355	83.0796	-0.78703	143.356	83.0806	-0.7870187	0.00419853	No
						Srsf5	1132.94	235.13	-2.26854	1132.941	235.131	-2.2685361	0.00018329	No
						Srsf6	146.161	46.2415	-1.6603	146.162	46.2425	-1.660277	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Srsf7	172.733	72.1537	-1.2594	172.734	72.1547	-1.2593868	0.00018329	No
						SRXN1	0.0293315	4.2193	7.16841	0.0303315	4.2203	7.1203849	0.0364805	No
						Ss18	68.4836	42.5707	-0.685899	68.4846	42.5717	-0.6858849	0.00880015	No
						Ssb	130.758	73.9747	-0.821799	130.759	73.9757	-0.8217869	0.00777671	No
						Ssbp2	9.87942	18.8246	0.930123	9.88042	18.8256	0.93005157	0.0337151	No
						Ssbp3	133.012	28.1516	-2.24027	133.013	28.1526	-2.2402272	0.00018329	No
						Ssfa2	7.67021	16.1942	1.07814	7.67121	16.1952	1.07804022	0.00018329	No
						Ssh1	1.27323	2.49782	0.972171	1.27423	2.49882	0.97162127	0.00290302	No
						Ssh2	32.7315	4.57161	-2.8399	32.7325	4.57261	-2.839634	0.00018329	No
						Sspo	0.133189	1.86979	3.81133	0.134189	1.87079	3.8013093	0.00066911	No
						Ssr1	38.0822	24.1912	-0.654636	38.0832	24.1922	-0.6546127	0.0182096	No
						Ssr3	31.9449	21.2812	-0.586008	31.9459	21.2822	-0.5859835	0.0296252	No
						Ssr4	249.072	120.313	-1.04977	249.073	120.314	-1.0497641	0.00018329	No
						Ssrp1	108.479	60.1502	-0.850778	108.48	60.1512	-0.8507637	0.00018329	No
						Ssuh2	0	0.952748	inf	0.001	0.953748	9.89746432	0.00627425	No
						Ssx2ip	4.07617	8.08847	0.988653	4.07717	8.08947	0.98847707	0.00238141	No
						St14	1.21309	80.9251	6.05983	1.21409	80.9261	6.05865779	0.00018329	No
						St3gal1	25.3797	4.48239	-2.50133	25.3807	4.48339	-2.50107	0.00018329	No
						St3gal2	2.416	7.78161	1.68745	2.417	7.78261	1.68703659	0.00018329	No
						St3gal3	0.76531	7.82575	3.35411	0.76631	7.82675	3.35241333	0.00018329	No
						St3gal5	1.89422	33.0376	4.12443	1.89522	33.0386	4.12371532	0.00018329	No
						St3gal6	6.65221	55.6144	3.06355	6.65321	55.6154	3.06336195	0.00018329	No
						St6galnac3	0.853608	13.4278	3.9755	0.854608	13.4288	3.97392376	0.00018329	No
						St6galnac5	0.786161	0.102085	-2.94505	0.787161	0.103085	-2.9328243	0.00197017	No
						St6galnac6	1.05556	2.77825	1.39616	1.05656	2.77925	1.39532092	0.00251301	No
						ST7	3.12666	9.5545	1.61156	3.12766	9.5555	1.61124768	0.00018329	No
						St8sia1	64.4645	7.05178	-3.19245	64.4655	7.05278	-3.1922633	0.00018329	No
						St8sia4	16.501	2.70335	-2.60973	16.502	2.70435	-2.6092871	0.00018329	No
						St8sia6	7.43727	0.214111	-5.11834	7.43827	0.215111	-5.1118139	0.00018329	No
						Stab1	0.013209	0.576322	5.44728	0.014209	0.577322	5.34449927	0.0121287	No
						Stag1	10.4982	5.49661	-0.933532	10.4992	5.49761	-0.9334029	0.00238141	No
						Stag2	43.1122	15.3388	-1.49091	43.1132	15.3398	-1.49085	0.00018329	No
						Stam	5.09778	9.71307	0.93006	5.09878	9.71407	0.92992379	0.00197017	No
						Stambp	6.9845	18.0559	1.37024	6.9855	18.0569	1.37011494	0.00035173	No
						Stambpl1	22.419	9.22827	-1.28059	22.42	9.22927	-1.2804978	0.00018329	No
						Stap2	0.140751	28.019	7.63712	0.141751	28.02	7.62695423	0.00018329	No
						Stard13	0.425654	3.15479	2.88979	0.426654	3.15579	2.88686273	0.00018329	No
						Stard4	7.25163	3.39666	-1.09419	7.25263	3.39766	-1.0939628	0.00035173	No
						Stard5	2.63582	23.3155	3.14496	2.63682	23.3165	3.14448025	0.00506686	No
						Stat1	116.789	59.2408	-0.979244	116.79	59.2418	-0.9792294	0.00419853	No
						Stat3	31.8278	49.1319	0.626374	31.8288	49.1329	0.62635663	0.0225266	No
						Stat4	62.1964	8.98247	-2.79165	62.1974	8.98347	-2.7915096	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Stat5a	28.2843	7.11865	-1.99033	28.2853	7.11965	-1.9901742	0.00018329	No
						Stat5b	59.1711	11.1925	-2.40236	59.1721	11.1935	-2.4022559	0.00018329	No
						Stat6	41.8855	11.9168	-1.81345	41.8865	11.9178	-1.8133674	0.00799878	No
						Stau2	1.02909	10.2805	3.32047	1.03009	10.2815	3.31920846	0.00018329	No
						Steap2	0	11.634	inf	0.001	11.635	13.5061836	0.00018329	No
						Steap3	0.3215	2.98151	3.21315	0.3225	2.98251	3.20915591	0.00018329	No
						Steap4	0.0626854	0.903314	3.84902	0.0636854	0.904314	3.82778922	0.00066911	No
						Stim1	60.2747	7.92604	-2.92688	60.2757	7.92704	-2.9267223	0.00018329	No
						Stim2	18.6373	5.93429	-1.65105	18.6383	5.93529	-1.6508799	0.00018329	No
						Stk17b	225.039	18.1162	-3.63482	225.04	18.1172	-3.6347495	0.00018329	No
						Stk24	112.186	50.6392	-1.14757	112.187	50.6402	-1.1475505	0.00709238	No
						Stk3	2.31538	10.3844	2.1651	2.31638	10.3854	2.16461293	0.00018329	No
						Stk32a	0	1.07985	inf	0.001	1.08085	10.0779506	0.00018329	No
						Stk32b	0	6.11506	inf	0.001	6.11606	12.5783868	0.00018329	No
						Stk36	0.161443	1.41601	3.13274	0.162443	1.41701	3.12484446	0.00018329	No
						Stk38	265.346	52.3788	-2.34082	265.347	52.3798	-2.3407978	0.00018329	No
						Stk39	17.7452	30.7303	0.792236	17.7462	30.7313	0.79219866	0.0026435	No
						Stk4	60.27	12.9338	-2.2203	60.271	12.9348	-2.2202063	0.00018329	No
						Stom	51.1045	16.5253	-1.62878	51.1055	16.5263	-1.6287148	0.00018329	No
						Stoml1	3.87882	6.75803	0.800983	3.87982	6.75903	0.8008265	0.0439935	No
						Stra6	0.447589	0.996129	1.15416	0.448589	0.997129	1.15238592	0.0289411	No
						Sts	6.29621	14.2442	1.17782	6.29721	14.2452	1.17769119	0.00290302	No
						Stx12	10.4356	27.7884	1.41297	10.4366	27.7894	1.41288289	0.00018329	No
						Stx18	17.1588	40.4002	1.23541	17.1598	40.4012	1.23536541	0.00035173	No
						Stx1a	12.0271	6.09209	-0.981278	12.0281	6.09309	-0.9811628	0.00755425	No
						Stx5	35.264	23.964	-0.557328	35.265	23.965	-0.5573081	0.0490612	No
						Stx6	52.658	17.4726	-1.59156	52.659	17.4736	-1.5915033	0.00018329	No
						Stx7	15.3301	71.2467	2.21646	15.3311	71.2477	2.21638223	0.00018329	No
						Stx8	52.1352	79.3664	0.606272	52.1362	79.3674	0.60626111	0.040622	No
						Stxbp1	2.44454	10.1929	2.05992	2.44554	10.1939	2.05948114	0.00035173	No
						Stxbp4	1.35064	9.82725	2.86314	1.35164	9.82825	2.8622236	0.00018329	No
						Stxbp6	0	5.18043	inf	0.001	5.18143	12.3391346	0.00018329	No
						Styx	24.4506	6.98171	-1.80822	24.4516	6.98271	-1.8080699	0.00937155	No
						Styx11	1.37235	3.50066	1.35098	1.37335	3.50166	1.35033966	0.0125688	No
						SUB1	61.12	35.1415	-0.798467	61.121	35.1425	-0.7984513	0.00210945	No
						Sucla2	34.2899	69.1801	1.01257	34.2909	69.1811	1.01255218	0.00018329	No
						Suclg1	89.4565	226.004	1.33709	89.4575	226.005	1.33708034	0.00018329	No
						Suclg2	63.5089	126.509	0.994204	63.5099	126.51	0.99419802	0.00018329	No
						Sulf2	0.101446	34.5036	8.40989	0.102446	34.5046	8.39578124	0.00018329	No
						Sult1a1	0.360007	14.2672	5.30854	0.361007	14.2682	5.30463272	0.00567465	No
						Sult1b1	0	21.5624	inf	0.001	21.5634	14.3962971	0.00018329	No
						Sult1c2	0	40.2655	inf	0.001	40.2665	15.2972925	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sult1c2	0	24.4293	inf	0.001	24.4303	14.576384	0.00018329	No
						Sult1c2a	0	99.8953	inf	0.001	99.8963	16.6081436	0.00755425	No
						Sult1c3	0	1.27449	inf	0.001	1.27549	10.3168359	0.00018329	No
						Sumf2	8.76922	15.962	0.864119	8.77022	15.963	0.86404687	0.0111567	No
						Sumo1	140.661	89.2267	-0.656672	140.662	89.2277	-0.6566691	0.00992433	No
						Sumo2l	213.68	137.951	-0.631292	213.681	137.952	-0.6312923	0.0178047	No
						Sumo3	51.0742	86.2296	0.755589	51.0752	86.2306	0.75557697	0.00591487	No
						Sun2	81.2048	36.9535	-1.13586	81.2058	36.9545	-1.1358327	0.00018329	No
						Suox	0.26408	23.9972	6.50575	0.26508	23.9982	6.50035456	0.00018329	No
						Supt20	39.6856	24.2354	-0.711498	39.6866	24.2364	-0.7114765	0.0240232	No
						Supt4h1	134.027	66.8272	-1.00401	134.028	66.8282	-1.0040055	0.00018329	No
						Supt7l	4.03939	6.68637	0.727084	4.04039	6.68737	0.72694438	0.0342763	No
						Suv39h1	14.8769	5.02681	-1.56535	14.8779	5.02781	-1.5651689	0.00018329	No
						Suv39h2	1.31005	0.438805	-1.57797	1.31105	0.439805	-1.5757868	0.00035173	No
						Suv420h1	20.5683	8.16331	-1.33319	20.5693	8.16431	-1.3330898	0.00018329	No
						Suz12	32.6496	7.94685	-2.03861	32.6506	7.94785	-2.038473	0.00018329	No
						Sv2b	18.8474	0.16428	-6.84207	18.8484	0.16528	-6.8333861	0.030565	No
						Svil	13.9937	4.69544	-1.57544	13.9947	4.69644	-1.5752411	0.00018329	No
						Svip	2.16999	24.916	3.52132	2.17099	24.917	3.52070539	0.00342383	No
						Swap70	2.44619	11.8427	2.27539	2.44719	11.8437	2.27492183	0.00018329	No
						Syap1	16.0493	24.031	0.582384	16.0503	24.032	0.58235645	0.0453771	No
						Sybu	0.0409416	0.733987	4.16412	0.0419416	0.734987	4.13126493	0.00051281	No
						Syde2	0.145223	5.57674	5.26308	0.146223	5.57774	5.25343852	0.00018329	No
						Syf2	153.103	98.6311	-0.634392	153.104	98.6321	-0.6343828	0.0167708	No
						Syncrip	107.308	44.5747	-1.26746	107.309	44.5757	-1.2674417	0.0226206	No
						Syngr1	2.04361	20.5926	3.33294	2.04461	20.5936	3.33229846	0.00018329	No
						SYNGR2	23.7756	98.4026	2.04922	23.7766	98.4036	2.04916867	0.00018329	No
						Synj1	12.8868	5.46918	-1.2365	12.8878	5.47018	-1.2363458	0.00380824	No
						Synj2	0.076242	0.901229	3.56324	0.077242	0.902229	3.54603623	0.00018329	No
						Synj2bp	20.1114	40.1657	0.997949	20.1124	40.1667	0.99791469	0.0188386	No
						Syt11	5.76565	3.36536	-0.776722	5.76665	3.36636	-0.776544	0.0356397	No
						Syt3	0	3.21929	inf	0.001	3.22029	11.6529749	0.00018329	No
						Syt5	0.0605306	0.941337	3.95898	0.0615306	0.942337	3.93686713	0.0244274	No
						Syt8	0	5.22899	inf	0.001	5.22999	12.3525925	0.00018329	No
						Sytl1	92.2889	28.9911	-1.67055	92.2899	28.9921	-1.6705129	0.00018329	No
						T2	0.399695	1.42485	1.83384	0.400695	1.42585	1.83124581	0.0295293	No
						Tab1	9.82764	14.9416	0.604422	9.82864	14.9426	0.60436749	0.0380641	No
						Tab2	88.979	21.1824	-2.0706	88.98	21.1834	-2.0705469	0.00018329	No
						Tab3	4.24919	1.8309	-1.21464	4.25019	1.8319	-1.2141866	0.00018329	No
						Tacc3	50.8703	12.0851	-2.07359	50.8713	12.0861	-2.0735032	0.0066167	No
						Taco1	1.74913	3.6998	1.0808	1.75013	3.7008	1.08037508	0.0377809	No
						Tada2b	16.779	10.3933	-0.691	16.78	10.3943	-0.6909501	0.0118093	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Taf1	16.5652	5.30015	-1.64405	16.5662	5.30115	-1.6438654	0.00018329	No
						Taf12	40.3124	22.689	-0.829231	40.3134	22.69	-0.8292029	0.00469886	No
						Taf1b	9.3543	2.63872	-1.82579	9.3553	2.63972	-1.825399	0.00018329	No
						Taf1c	14.9574	8.26544	-0.855693	14.9584	8.26644	-0.8556178	0.00506686	No
						Taf2	9.59047	4.70928	-1.02609	9.59147	4.71028	-1.0259391	0.00018329	No
						Taf4a	24.1155	10.5649	-1.19069	24.1165	10.5659	-1.1906049	0.00018329	No
						Taf5l	17.9493	10.2499	-0.808311	17.9503	10.2509	-0.8082574	0.00432763	No
						Taf7	20.089	8.92566	-1.17037	20.09	8.92666	-1.1702852	0.00035173	No
						Taf8	18.0004	9.64954	-0.899497	18.0014	9.65054	-0.8994275	0.00238141	No
						TAF9	121.551	58.2294	-1.06174	121.552	58.2304	-1.0617292	0.00018329	No
						Taf9b	11.1398	6.99361	-0.671618	11.1408	6.99461	-0.6715373	0.0261426	No
						Tagap	86.1613	19.3023	-2.15826	86.1623	19.3033	-2.1582093	0.00018329	No
						Tagln	1.20104	24.7503	4.36509	1.20204	24.7513	4.36394749	0.012344	No
						Tagln2	436.4	230.307	-0.922094	436.401	230.308	-0.9220899	0.00018329	No
						Tanc1	0.444144	30.231	6.08886	0.445144	30.232	6.0856605	0.00018329	No
						Tango2	9.53429	24.7246	1.37475	9.53529	24.7256	1.37465681	0.00018329	No
						Tank	46.2266	7.38561	-2.64593	46.2276	7.38661	-2.6457702	0.00018329	No
						Tapbpl	49.4272	17.1845	-1.5242	49.4282	17.1855	-1.5241425	0.00018329	No
						Tapt1	27.7862	11.4127	-1.28373	27.7872	11.4137	-1.2836539	0.00018329	No
						Tas1r2	17.2795	34.497	0.997406	17.2805	34.498	0.99736776	0.00018329	No
						Tas2r139	0.579902	0	-inf	0.580902	0.001	-9.182151	0.00018329	No
						Tax1bp1	142.871	79.5628	-0.844548	142.872	79.5638	-0.8445391	0.0018326	No
						Tax1bp3	5.87507	49.035	3.06113	5.87607	49.036	3.06091781	0.00018329	No
						Tbc1d10a	21.8039	36.6944	0.750972	21.8049	36.6954	0.75094685	0.00732142	No
						Tbc1d15	42.3454	9.88017	-2.0996	42.3464	9.88117	-2.0994855	0.00018329	No
						Tbc1d16	10.7101	5.75209	-0.89682	10.7111	5.75309	-0.8966977	0.00082046	No
						Tbc1d19	0.944878	9.08281	3.26494	0.945878	9.08381	3.26357151	0.00018329	No
						Tbc1d2	0.738077	3.70428	2.32735	0.739077	3.70528	2.32578598	0.00066911	No
						Tbc1d20	97.3944	30.9006	-1.6562	97.3954	30.9016	-1.6561721	0.00018329	No
						Tbc1d25	13.8563	6.90349	-1.00514	13.8573	6.90449	-1.0050394	0.00755425	No
						Tbc1d2b	9.33584	4.42858	-1.07594	9.33684	4.42958	-1.0757644	0.00018329	No
						Tbc1d30	6.23881	3.17318	-0.975344	6.23981	3.17418	-0.9751182	0.0276821	No
						Tbc1d31	3.35611	6.13851	0.871098	3.35711	6.13951	0.87090371	0.00981659	No
						Tbc1d4	25.6935	11.517	-1.15765	25.6945	11.518	-1.1575694	0.00018329	No
						Tbc1d5	9.37019	4.58362	-1.03159	9.37119	4.58462	-1.0314301	0.0216117	No
						Tbk1	18.5182	10.5059	-0.817746	18.5192	10.5069	-0.8176847	0.00530972	No
						Tbl1x	17.5097	9.88843	-0.824339	17.5107	9.88943	-0.8242775	0.00290302	No
						Tbl1xr1	20.1342	8.05825	-1.32111	20.1352	8.05925	-1.3210023	0.00018329	No
						Tbrg1	52.1094	33.396	-0.641871	52.1104	33.397	-0.6418528	0.0172708	No
						Tbx10	0.176051	4.92441	4.80588	0.177051	4.92541	4.79800692	0.00018329	No
						Tbx21	5.68299	17.8927	1.65465	5.68399	17.8937	1.65447581	0.00018329	No
						Tbxas1	0.124233	8.44797	6.08749	0.125233	8.44897	6.0760888	0.00224282	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tc2n	0	3.50776	inf	0.001	3.50876	11.7767456	0.00018329	No
						Tcaim	6.5758	21.3938	1.70195	6.5768	21.3948	1.70180249	0.00018329	No
						Tcea1	88.796	35.3068	-1.33055	88.797	35.3078	-1.330524	0.00018329	No
						Tcea3	0	24.0322	inf	0.001	24.0332	14.5527411	0.00018329	No
						Tceal1	0.155674	6.67251	5.42163	0.156674	6.67351	5.41260807	0.00066911	No
						Tceal8	10.4439	64.3191	2.62258	10.4449	64.3201	2.62247097	0.00018329	No
						Tceanc2	17.5795	8.46421	-1.05445	17.5805	8.46521	-1.0543583	0.00051281	No
						Tceb2	311.674	586.931	0.913151	311.675	586.932	0.91315093	0.00035173	No
						Tcerg1	62.9414	20.7245	-1.60267	62.9424	20.7255	-1.6026253	0.00018329	No
						Tcf20	26.2828	7.36855	-1.83467	26.2838	7.36955	-1.8345254	0.00018329	No
						Tcf21	0	1.33572	inf	0.001	1.33672	10.3844816	0.00018329	No
						Tcf3	64.3925	28.475	-1.1772	64.3935	28.476	-1.1771686	0.00018329	No
						Tcf4	5.25218	2.51069	-1.06483	5.25318	2.51169	-1.0645326	0.0121287	No
						TCF7	552.201	29.7005	-4.21663	552.202	29.7015	-4.2165884	0.00018329	No
						Tcf7l2	0.126435	7.05297	5.80177	0.127435	7.05397	5.79060197	0.00018329	No
						Tcn2	5.92184	48.0834	3.02142	5.92284	48.0844	3.0212079	0.00018329	No
						Tcof1	25.911	10.7429	-1.27018	25.912	10.7439	-1.2701026	0.00018329	No
						Tcp11	0.101394	1.10971	3.45214	0.102394	1.11071	3.4392791	0.00380824	No
						Tcp11l1	0.053468	0.836787	3.96811	0.054468	0.837787	3.9431027	0.0131216	No
						Tcp11l2	113.292	18.2811	-2.63162	113.293	18.2821	-2.631555	0.00018329	No
						TCRB	2864.7	425.646	-2.75066	2864.701	425.647	-2.7506552	0.00018329	No
						Tcte1	0.188037	1.66151	3.14341	0.189037	1.66251	3.13662247	0.0435364	No
						Tctn1	0.939045	6.3621	2.76024	0.940045	6.3631	2.75892807	0.00018329	No
						Tdg	24.2847	16.0715	-0.595541	24.2857	16.0725	-0.5955127	0.0318913	No
						Tdp2	45.2088	19.7769	-1.19279	45.2098	19.7779	-1.1927463	0.00018329	No
						Tdrd5	1.6878	0.618134	-1.44916	1.6888	0.619134	-1.4476749	0.00354878	No
						Tdrkh	6.55628	1.39175	-2.23598	6.55728	1.39275	-2.2351612	0.00018329	No
						Tead1	0.15461	13.1481	6.41007	0.15561	13.1491	6.40088547	0.00018329	No
						Tecpr1	44.2466	19.5213	-1.18052	44.2476	19.5223	-1.1804762	0.00018329	No
						Tecr	119.889	187.038	0.64163	119.89	187.039	0.64162779	0.0150649	No
						Tef	3.35939	6.87909	1.03402	3.36039	6.88009	1.03379876	0.00197017	No
						Tefm	2.79398	8.0329	1.5236	2.79498	8.0339	1.52326254	0.00018329	No
						Tekt1	0	7.48973	inf	0.001	7.49073	12.8708906	0.00018329	No
						Tekt5	0	1.26693	inf	0.001	1.26793	10.3082594	0.00018329	No
						Tenc1	0.0444835	8.1389	7.51542	0.0454835	8.1399	7.48352399	0.00290302	No
						Terf2	23.9421	9.61997	-1.31545	23.9431	9.62097	-1.3153557	0.00018329	No
						Tes	45.0495	20.8021	-1.11478	45.0505	20.8031	-1.1147446	0.00018329	No
						Tesk1	7.03128	13.5336	0.944691	7.03228	13.5346	0.94458783	0.0026435	No
						Tet2	4.23399	2.32014	-0.867808	4.23499	2.32114	-0.867525	0.0196752	No
						Tet3	20.211	6.41902	-1.65472	20.212	6.42002	-1.6545624	0.00329119	No
						Tex10	18.3498	6.56483	-1.48293	18.3508	6.56583	-1.4827937	0.00018329	No
						Tex14	0.463236	11.5188	4.6361	0.464236	11.5198	4.63311346	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tex2	23.2	11.0324	-1.07237	23.201	11.0334	-1.0723096	0.00018329	No
						Tex264	43.2418	91.7033	1.08455	43.2428	91.7043	1.08452944	0.00018329	No
						Tex36	0	5.58227	inf	0.001	5.58327	12.4468946	0.00018329	No
						Tf	10.3617	36.6278	1.82168	10.3627	36.6288	1.82157849	0.00018329	No
						Tfap2a	0	1.84077	inf	0.001	1.84177	10.8468772	0.00018329	No
						Tfap2b	0	23.1809	inf	0.001	23.1819	14.5007112	0.00018329	No
						Tfdp2	2.16252	3.78284	0.806753	2.16352	3.78384	0.80647063	0.017077	No
						Tfe3	4.34538	10.712	1.30168	4.34638	10.713	1.30147632	0.00018329	No
						Tff3	0	241.071	inf	0.001	241.072	17.8791046	0.00018329	No
						Tfpi	3.64676	6.98004	0.936622	3.64776	6.98104	0.93643117	0.0393003	No
						Tfrc	17.3061	8.81747	-0.972845	17.3071	8.81847	-0.9727637	0.00035173	No
						Tgfb1	116.984	62.4036	-0.906613	116.985	62.4046	-0.9065993	0.00530972	No
						Tgfb2	0.0758917	4.50661	5.89196	0.0768917	4.50761	5.87339101	0.00018329	No
						Tgfrb2	27.4258	13.6747	-1.00403	27.4268	13.6757	-1.0039716	0.00329119	No
						Tgfrb3	0.226378	9.29653	5.35989	0.227378	9.29753	5.35368292	0.00018329	No
						Tgm2	0.0292137	66.025	11.1422	0.0302137	66.026	11.0936157	0.032482	No
						Tgm3	0	1.85367	inf	0.001	1.85467	10.8569468	0.00018329	No
						Tgs1	7.09222	2.46459	-1.52489	7.09322	2.46559	-1.5245078	0.00018329	No
						Thap11	21.1128	12.6103	-0.743519	21.1138	12.6113	-0.7434693	0.0157085	No
						Thap4	10.9117	157.65	3.85278	10.9127	157.651	3.85265432	0.00018329	No
						Thbs1	0.213371	113.997	9.06142	0.214371	113.998	9.05468305	0.00018329	No
						Them4	1.77241	4.52614	1.35257	1.77341	4.52714	1.35207381	0.00290302	No
						Them6	10.5295	41.6527	1.98397	10.5305	41.6537	1.98387071	0.00018329	No
						Them7	0	4.02438	inf	0.001	4.02538	11.9749093	0.0158179	No
						Thns12	0.823661	49.0864	5.89713	0.824661	49.0874	5.89540776	0.00018329	No
						Thoc2	20.4461	6.21306	-1.71845	20.4471	6.21406	-1.7182882	0.00018329	No
						Thoc3	28.3615	16.9662	-0.741274	28.3625	16.9672	-0.7412362	0.00799878	No
						Thoc7	109.02	69.9105	-0.641014	109.021	69.9115	-0.6410044	0.0349324	No
						Thop1	5.08564	8.54547	0.748731	5.08664	8.54647	0.74861566	0.0262294	No
						Thra	12.718	41.9065	1.7203	12.719	41.9075	1.72022321	0.00354878	No
						Thrap3	61.3166	30.2864	-1.01761	61.3176	30.2874	-1.0175835	0.00018329	No
						Thrb	3.51188	8.84757	1.33304	3.51288	8.84857	1.33279003	0.00018329	No
						Thsd4	0.0249979	4.47375	7.48353	0.0259979	4.47475	7.42726818	0.0381595	No
						Tia1	25.9493	9.12461	-1.50786	25.9503	9.12561	-1.5077583	0.00018329	No
						Tial1	74.1515	30.9715	-1.25953	74.1525	30.9725	-1.2595075	0.00018329	No
						Tiam2	0.151518	0.839451	2.46995	0.152518	0.840451	2.46218419	0.00018329	No
						Tie1	2.09523	8.97855	2.09937	2.09623	8.97955	2.09884613	0.00018329	No
						Tifab	0.147651	6.35178	5.4269	0.148651	6.35278	5.41738699	0.016558	No
						Tigd2	23.4076	4.83412	-2.27565	23.4086	4.83512	-2.2754151	0.00018329	No
						Timd2	0.512043	11.8355	4.53071	0.513043	11.8365	4.52801899	0.00018329	No
						Timm10	21.9073	49.9514	1.18911	21.9083	49.9524	1.18907645	0.00066911	No
						TIMM10B	11.5061	23.7896	1.04793	11.5071	23.7906	1.04786736	0.00481718	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Timm13	74.9548	177.172	1.24106	74.9558	177.173	1.24104674	0.00018329	No
						Timm17a	35.802	83.9829	1.23006	35.803	83.9839	1.23003231	0.00018329	No
						Timm21	13.1931	31.1249	1.23828	13.1941	31.1259	1.23822261	0.00018329	No
						Timm22	11.6309	31.9526	1.45797	11.6319	31.9536	1.45789171	0.00018329	No
						Timm44	23.1499	39.204	0.759996	23.1509	39.205	0.75996938	0.00650199	No
						Timm8b	37.3584	265.563	2.82955	37.3594	265.564	2.8295164	0.00210945	No
						Timp2	0.490234	42.0813	6.42357	0.491234	42.0823	6.42065933	0.00018329	No
						Timp3	0.015759	304.302	14.237	0.016759	304.303	14.1482849	0.00140841	No
						Timp4	0	1.2739	inf	0.001	1.2749	10.3161684	0.00018329	No
						Tiparp	19.624	6.86235	-1.51584	19.625	6.86335	-1.5157078	0.00018329	No
						Tjp1	0.0299508	11.5501	8.5911	0.0309508	11.5511	8.54383783	0.00018329	No
						Tjp2	0.0410349	15.1249	8.52586	0.0420349	15.1259	8.49121763	0.00018329	No
						Tkt	84.2036	214.627	1.34988	84.2046	214.628	1.34986735	0.00018329	No
						Tlcd1	1.23126	41.2877	5.0675	1.23226	41.2887	5.0663684	0.00018329	No
						Tle2	0.0267699	187.145	12.7713	0.0277699	187.146	12.7183546	0.00834357	No
						Tle3	55.116	19.3096	-1.51316	55.117	19.3106	-1.5131044	0.00018329	No
						Tle4	30.0549	8.74443	-1.78116	30.0559	8.74543	-1.781047	0.00018329	No
						Tlk2	23.4734	12.1717	-0.947498	23.4744	12.1727	-0.9474391	0.00891798	No
						Tln1	57.6402	29.6015	-0.961403	57.6412	29.6025	-0.9613814	0.00530972	No
						Tlr12	0	0.607243	inf	0.001	0.608243	9.248504	0.00018329	No
						Tlr2	0.69367	2.63159	1.92361	0.69467	2.63259	1.92208315	0.00018329	No
						Tlr3	0.51539	10.5749	4.35884	0.51639	10.5759	4.35617557	0.00018329	No
						Tlr4	0.0239433	0.802424	5.06667	0.0249433	0.803424	5.00943731	0.0399588	No
						Tlr7	0.235175	1.21197	2.36555	0.236175	1.21297	2.36061571	0.00035173	No
						Tm2d1	13.9147	37.5159	1.4309	13.9157	37.5169	1.43082714	0.033435	No
						Tm2d2	23.1804	43.5078	0.908368	23.1814	43.5088	0.90833953	0.00154856	No
						Tm7sf2	23.0327	46.0517	0.999568	23.0337	46.0527	0.99953957	0.0378663	No
						Tm9sf2	13.7932	51.019	1.88707	13.7942	51.02	1.88700111	0.00018329	No
						Tmbim4	92.6565	61.4757	-0.591875	92.6575	61.4767	-0.591868	0.0329503	No
						Tmc4	0.102202	33.7495	8.36729	0.103202	33.7505	8.35329414	0.00018329	No
						Tmc6	93.5134	37.0715	-1.33486	93.5144	37.0725	-1.3348391	0.0113722	No
						Tmcc1	14.1064	5.41375	-1.38165	14.1074	5.41475	-1.3814855	0.00018329	No
						Tmcc3	1.01071	3.33098	1.72058	1.01171	3.33198	1.71958393	0.00018329	No
						Tmed3	9.84067	28.3493	1.52648	9.84167	28.3503	1.52638895	0.00018329	No
						Tmed5	14.1622	5.86835	-1.27102	14.1632	5.86935	-1.2708746	0.00018329	No
						Tmed7	12.4344	22.6052	0.862314	12.4354	22.6062	0.86226559	0.0344723	No
						Tmed8	7.17967	1.74273	-2.04256	7.18067	1.74373	-2.0419418	0.00445502	No
						Tmeff1	0	0.590414	inf	0.001	0.591414	9.20802459	0.00018329	No
						Tmem100	0	0.689189	inf	0.001	0.690189	9.43084767	0.00018329	No
						Tmem102	0	7.63073	inf	0.001	7.63173	12.8977944	0.00018329	No
						Tmem104	7.34527	2.10191	-1.80512	7.34627	2.10291	-1.8046248	0.00018329	No
						Tmem106a	2.10936	19.2922	3.19314	2.11036	19.2932	3.19253142	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem106b	15.3002	24.1079	0.655951	15.3012	24.1089	0.65592103	0.0424854	No
						Tmem106c	6.32251	14.3011	1.17755	6.32351	14.3021	1.17742951	0.00066911	No
						Tmem107	0.489813	10.5978	4.43539	0.490813	10.5988	4.43258366	0.00018329	No
						Tmem108	0.052934	1.40024	4.72534	0.053934	1.40124	4.69936523	0.00035173	No
						Tmem109	10.9363	23.9474	1.13075	10.9373	23.9484	1.13067264	0.00018329	No
						TMEM11	17.8203	33.3252	0.903093	17.8213	33.3262	0.90305424	0.00197017	No
						Tmem115	17.7181	27.4632	0.632279	17.7191	27.4642	0.63224694	0.0291393	No
						Tmem116	0.0385224	9.66622	7.97111	0.0395224	9.66722	7.93428671	0.00732142	No
						Tmem117	0.244721	8.35936	5.09418	0.245721	8.36036	5.088472	0.00018329	No
						Tmem120a	12.3233	25.7911	1.06548	12.3243	25.7921	1.06542354	0.00018329	No
						Tmem123	148.566	89.4108	-0.732582	148.567	89.4118	-0.7325766	0.00811172	No
						Tmem127	17.246	26.0223	0.593485	17.247	26.0233	0.59345848	0.0239196	No
						Tmem132a	0.828671	17.787	4.42388	0.829671	17.788	4.42222114	0.00018329	No
						Tmem135	5.93418	12.6251	1.08917	5.93518	12.6261	1.08904539	0.00018329	No
						Tmem136	0.112052	8.1608	6.18647	0.113052	8.1618	6.17382894	0.00018329	No
						Tmem141	16.2258	28.7849	0.82702	16.2268	28.7859	0.8269838	0.0221058	No
						Tmem14a	11.2168	27.1893	1.27738	11.2178	27.1903	1.2773023	0.00018329	No
						Tmem154	52.9013	8.1066	-2.70613	52.9023	8.1076	-2.7059836	0.00018329	No
						Tmem156	53.3237	8.10996	-2.71701	53.3247	8.11096	-2.7168594	0.00018329	No
						Tmem163	9.78317	1.05918	-3.20736	9.78417	1.06018	-3.2061402	0.0102693	No
						Tmem169	0	4.28256	inf	0.001	4.28356	12.0645946	0.00481718	No
						Tmem17	1.66996	9.94573	2.57426	1.67096	9.94673	2.57354512	0.00018329	No
						Tmem170b	4.50424	1.99628	-1.17397	4.50524	1.99728	-1.1735674	0.0016929	No
						Tmem173	139.645	24.8534	-2.49025	139.646	24.8544	-2.4902011	0.00018329	No
						Tmem174	0	76.2207	inf	0.001	76.2217	16.2179142	0.00018329	No
						Tmem176a	5.22773	97.907	4.22716	5.22873	97.908	4.22689427	0.00018329	No
						Tmem176b	4.30416	125.841	4.86973	4.30516	125.842	4.86940284	0.00018329	No
						Tmem184b	7.25985	15.9909	1.13924	7.26085	15.9919	1.139131	0.00018329	No
						Tmem185b	6.73666	10.9118	0.695782	6.73766	10.9128	0.69570178	0.0138771	No
						Tmem194	3.95476	1.56968	-1.33312	3.95576	1.57068	-1.3325656	0.0018326	No
						Tmem194b	20.0314	4.28987	-2.22326	20.0324	4.29087	-2.2229932	0.00018329	No
						Tmem2	0.0971512	2.73091	4.81301	0.0981512	2.73191	4.79876024	0.00018329	No
						Tmem204	37.2651	5.58893	-2.73718	37.2661	5.58993	-2.7369617	0.00210945	No
						Tmem205	3.43841	35.5183	3.36875	3.43941	35.5193	3.36837014	0.00018329	No
						Tmem207	0	66.5226	inf	0.001	66.5236	16.0215786	0.00018329	No
						Tmem213	0	460.766	inf	0.001	460.767	18.8136779	0.00615197	No
						Tmem216	7.1087	19.7858	1.47681	7.1097	19.7868	1.47667772	0.00126492	No
						Tmem218	7.47312	13.2802	0.829493	7.47412	13.2812	0.82940987	0.0269158	No
						Tmem229b	28.4311	4.98771	-2.51102	28.4321	4.98871	-2.5107819	0.00018329	No
						Tmem237	1.64693	7.64771	2.21525	1.64793	7.64871	2.21456149	0.00018329	No
						Tmem238	2.90486	52.9515	4.18813	2.90586	52.9525	4.1876617	0.00018329	No
						Tmem243	69.9407	27.0911	-1.36832	69.9417	27.0921	-1.3682806	0.0115803	No

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						Tmem245	8.77556	4.27466	-1.03768	8.77656	4.27566	-1.0375084	0.00035173	No
						Tmem246	0.125033	13.0981	6.71091	0.126033	13.0991	6.69952235	0.00018329	No
						Tmem25	0.383739	4.76834	3.63529	0.384739	4.76934	3.63183765	0.00018329	No
						Tmem252	0.0446194	17.0931	8.58152	0.0456194	17.0941	8.54963528	0.0429385	No
						Tmem255b	0	3.14046	inf	0.001	3.14146	11.6172195	0.0276821	No
						Tmem256	38.5701	111.82	1.53562	38.5711	111.821	1.53559896	0.00018329	No
						Tmem27	0	96.5584	inf	0.001	96.5594	16.5591291	0.00018329	No
						Tmem35	0.339824	2.29723	2.75704	0.340824	2.29823	2.75342435	0.00018329	No
						Tmem38a	0.673892	11.953	4.14871	0.674892	11.954	4.14669299	0.00018329	No
						Tmem38b	5.46529	14.2818	1.38581	5.46629	14.2828	1.38564493	0.00018329	No
						Tmem43	22.101	12.9504	-0.771116	22.102	12.9514	-0.7710689	0.00419853	No
						Tmem44	0.18458	1.05964	2.52125	0.18558	1.06064	2.51482192	0.0197773	No
						Tmem50a	281.276	108.38	-1.37589	281.277	108.381	-1.3758797	0.00018329	No
						Tmem50b	1.5159	52.2364	5.10681	1.5169	52.2374	5.10588521	0.00018329	No
						Tmem51	1.12253	18.2834	4.02571	1.12353	18.2844	4.02450273	0.00018329	No
						Tmem52	0	3.30781	inf	0.001	3.30881	11.6920967	0.0163528	No
						Tmem53	3.1937	13.0644	2.03234	3.1947	13.0654	2.03199893	0.00018329	No
						Tmem54	0	6.86648	inf	0.001	6.86748	12.7455651	0.00018329	No
						Tmem55a	0.282775	14.9583	5.72515	0.283775	14.9593	5.72015136	0.00018329	No
						Tmem56	0	1.10811	inf	0.001	1.10911	10.1151867	0.00018329	No
						Tmem64	1.71345	4.72466	1.46331	1.71445	4.72566	1.46277	0.00432763	No
						Tmem66	138.41	64.7572	-1.09584	138.411	64.7582	-1.0958238	0.00018329	No
						Tmem67	0.131778	3.14774	4.57814	0.132778	3.14874	4.5676866	0.00018329	No
						Tmem69	4.24012	8.10461	0.934638	4.24112	8.10561	0.93447546	0.00555427	No
						Tmem70	7.22294	23.564	1.70593	7.22394	23.565	1.70578787	0.00018329	No
						Tmem71	63.0368	3.4769	-4.18032	63.0378	3.4779	-4.1799288	0.00018329	No
						Tmem79	0.221188	9.5372	5.43022	0.222188	9.5382	5.42386423	0.00018329	No
						Tmem86a	0.665489	39.818	5.90286	0.666489	39.819	5.90073212	0.00018329	No
						Tmem86b	6.69517	2.8491	-1.23261	6.69617	2.8501	-1.2323236	0.0119236	No
						Tmem87a	56.1736	29.4837	-0.929973	56.1746	29.4847	-0.9299514	0.0246265	No
						TMEM9	20.4884	35.6541	0.799264	20.4894	35.6551	0.79923071	0.00543198	No
						Tmem97	5.09595	10.0832	0.984535	5.09695	10.0842	0.98439053	0.00686277	No
						Tmf1	17.6431	11.2548	-0.648564	17.6441	11.2558	-0.6485172	0.0379652	No
						Tmigd1	0.103535	5.42629	5.71178	0.104535	5.42729	5.69817403	0.0031651	No
						Tmlhe	8.47871	31.5075	1.89378	8.47971	31.5085	1.89365424	0.00018329	No
						Tmod1	1.55214	8.11648	2.3866	1.55314	8.11748	2.38584404	0.00880015	No
						Tmod3	55.6898	26.3426	-1.08001	55.6908	26.3436	-1.0799865	0.00018329	No
						Tmpo	51.1364	20.9868	-1.28487	51.1374	20.9878	-1.2848279	0.00018329	No
						Tmprss13	0	3.82914	inf	0.001	3.83014	11.9031814	0.00018329	No
						Tmprss9	0.0713915	6.61491	6.53383	0.0723915	6.61591	6.51397549	0.00018329	No
						Tmsb10	9844.49	2241.45	-2.13488	9844.491	2241.451	-2.1348837	0.00018329	No
						Tmsbl1	98.6024	19.2159	-2.35932	98.6034	19.2169	-2.3592618	0.00018329	No

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						Tmtc1	0	5.81927	inf	0.001	5.82027	12.5068704	0.0166578	No
						Tmtc3	0.715528	2.66712	1.8982	0.716528	2.66812	1.89672857	0.00018329	No
						Tmtc4	1.9003	15.475	3.02564	1.9013	15.476	3.02497454	0.00018329	No
						Tnf	0.901544	6.53652	2.85805	0.902544	6.53752	2.85667428	0.0362975	No
						Tnfaip1	6.16159	25.0636	2.02422	6.16259	25.0646	2.02404249	0.00018329	No
						Tnfaip2	0.0617682	20.7033	8.38878	0.0627682	20.7043	8.36568087	0.00018329	No
						Tnfaip3	61.6401	31.1274	-0.985686	61.6411	31.1284	-0.9856612	0.00277264	No
						Tnfaip8l2	96.7707	29.1751	-1.72983	96.7717	29.1761	-1.7297982	0.0210997	No
						Tnfrsf11b	0	0.745074	inf	0.001	0.746074	9.54317492	0.00018329	No
						Tnfrsf14	477.521	40.189	-3.57069	477.522	40.19	-3.5706587	0.00018329	No
						Tnfrsf1a	8.18033	37.27	2.18778	8.18133	37.271	2.18764623	0.00018329	No
						Tnfrsf1b	22.3126	10.6963	-1.06075	22.3136	10.6973	-1.0606766	0.00018329	No
						Tnfrsf21	2.37442	50.4641	4.40961	2.37542	50.4651	4.40903149	0.00018329	No
						Tnfrsf26	120.653	9.19953	-3.71316	120.654	9.20053	-3.713015	0.00018329	No
						Tnfsf13	0.529564	25.787	5.6057	0.530564	25.788	5.60302929	0.00018329	No
						Tnfsf14	2.98969	7.78222	1.38019	2.99069	7.78322	1.37988876	0.00698138	No
						Tnfsf15	0	0.752508	inf	0.001	0.753508	9.55747902	0.00018329	No
						Tnfsf9	0.567768	2.58421	2.18635	0.568768	2.58521	2.18436927	0.00210945	No
						Tnik	8.1475	0.89627	-3.18435	8.1485	0.89727	-3.1829204	0.00018329	No
						Tnip1	68.4231	35.917	-0.929816	68.4241	35.918	-0.9297975	0.00035173	No
						Tnks1bp1	2.84206	15.8117	2.47598	2.84306	15.8127	2.47556728	0.00018329	No
						Tnks2	15.4076	7.84124	-0.974488	15.4086	7.84224	-0.9743981	0.00035173	No
						Tnnc1	0.495863	2.41432	2.2836	0.496863	2.41532	2.28129432	0.0202696	No
						Tnni1	0	1.47217	inf	0.001	1.47317	10.5247082	0.00018329	No
						Tnni2	0	9.03719	inf	0.001	9.03819	13.1418182	0.00018329	No
						Tnni3k	0.0790378	1.49071	4.23732	0.0800378	1.49171	4.22014177	0.00140841	No
						Tnnt2	0.217318	6.25027	4.84604	0.218318	6.25127	4.83964633	0.0477111	No
						Tnnt3	31.8915	19.825	-0.685853	31.8925	19.826	-0.6858236	0.0460943	No
						Tnpo1	22.1494	11.7499	-0.914612	22.1504	11.7509	-0.9145615	0.0132293	No
						Tnrc6a	22.2482	12.2793	-0.857454	22.2492	12.2803	-0.8574077	0.0018326	No
						Tnrc6b	14.5908	3.84919	-1.92243	14.5918	3.85019	-1.9221563	0.00018329	No
						Tns1	0.0840321	84.295	9.97029	0.0850321	84.296	9.95324089	0.00018329	No
						Tns4	0	4.22687	inf	0.001	4.22787	12.0457153	0.00018329	No
						Tnxb	0.0870574	2.54396	4.86896	0.0880574	2.54496	4.85305492	0.0431009	No
						Tob1	15.8422	54.1606	1.77347	15.8432	54.1616	1.7734066	0.00018329	No
						Tob2	8.59267	13.5029	0.652086	8.59367	13.5039	0.65202984	0.0169745	No
						Toe1	22.5705	11.7757	-0.938623	22.5715	11.7767	-0.938567	0.040622	No
						Tollip	9.3692	14.9765	0.676703	9.3702	14.9775	0.67664509	0.0125688	No
						Tom1	11.7826	25.7871	1.12999	11.7836	25.7881	1.12992512	0.00018329	No
						Tom1l1	1.81495	16.0197	3.14184	1.81595	16.0207	3.1411408	0.00251301	No
						Tom1l2	13.0542	27.8934	1.09541	13.0552	27.8944	1.09535096	0.00018329	No
						Tomm34	45.1721	23.9258	-0.916863	45.1731	23.9268	-0.9168365	0.00097029	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tomm40	24.5644	42.7765	0.800247	24.5654	42.7775	0.80022444	0.00674218	No
						Tomm40l	5.88676	11.5921	0.977597	5.88776	11.5931	0.97747563	0.0249303	No
						Tonsl	57.2222	95.9111	0.745124	57.2232	95.9121	0.74511266	0.00959787	No
						Top2a	1.0064	2.67975	1.41289	1.0074	2.68075	1.41200005	0.00018329	No
						Top2b	15.7934	3.42873	-2.20358	15.7944	3.42973	-2.2032462	0.00018329	No
						Top3a	6.93624	2.56002	-1.438	6.93724	2.56102	-1.4376433	0.00018329	No
						Topbp1	18.3489	5.41527	-1.76059	18.3499	5.41627	-1.7604006	0.00018329	No
						Tor3a	2.0312	28.3814	3.80454	2.0322	28.3824	3.80388229	0.0369285	No
						Tor4a	14.2957	4.88592	-1.54888	14.2967	4.88692	-1.5486848	0.00018329	No
						Tox	20.1618	2.62029	-2.94383	20.1628	2.62129	-2.9433471	0.00018329	No
						Tox4	35.2861	16.8703	-1.06462	35.2871	16.8713	-1.0645697	0.0181001	No
						Tp53	221.015	90.0235	-1.29577	221.016	90.0245	-1.2957612	0.00018329	No
						Tp53bp2	6.10652	13.4853	1.14296	6.10752	13.4863	1.14283601	0.00018329	No
						Tp53i13	8.00516	17.0719	1.09262	8.00616	17.0729	1.09252578	0.00082046	No
						Tp53inp1	28.6998	6.79867	-2.07772	28.7008	6.79967	-2.0775543	0.00018329	No
						TP53INP2	0.519958	42.1053	6.33946	0.520958	42.1063	6.33672523	0.00018329	No
						Tpcn1	18.8923	70.6586	1.90307	18.8933	70.6596	1.90301087	0.00018329	No
						Tpd52l1	0.0993553	12.8998	7.02053	0.1003553	12.9008	7.00619991	0.0066167	No
						Tpgs1	16.4415	30.8658	0.908665	16.4425	30.8668	0.90862625	0.00329119	No
						Tpgs2	21.4565	13.415	-0.677565	21.4575	13.416	-0.6775274	0.019979	No
						Tpk1	1.21188	4.71287	1.95936	1.21288	4.71387	1.95847515	0.00018329	No
						TPM1	10.6014	201.765	4.25035	10.6024	201.766	4.2502203	0.00018329	No
						Tpm3	439.678	142.843	-1.62202	439.679	142.844	-1.6220102	0.00018329	No
						Tpmt	117.173	30.7938	-1.92792	117.174	30.7948	-1.9278938	0.00018329	No
						Tpp1	20.3555	30.6706	0.591434	20.3565	30.6716	0.59141389	0.0426676	No
						Tpp2	32.1481	14.6499	-1.13385	32.1491	14.6509	-1.1337891	0.00035173	No
						Tpr	50.6887	22.4521	-1.17481	50.6897	22.4531	-1.174778	0.00018329	No
						Tpra1	23.7121	41.6702	0.813391	23.7131	41.6712	0.81336637	0.00530972	No
						Tpst2	78.5319	51.7859	-0.600721	78.5329	51.7869	-0.60071	0.030294	No
						Tpt1	16111.1	3626.17	-2.15154	16111.101	3626.171	-2.1515362	0.00097029	No
						Tpx2	1.12038	3.8327	1.77438	1.12138	3.8337	1.7734622	0.00066911	No
						Tra2a	99.9917	56.1108	-0.833531	99.9927	56.1118	-0.8335186	0.00290302	No
						Tra2b	162.939	59.6857	-1.44887	162.94	59.6867	-1.4488594	0.00018329	No
						Trabd2b	0.0576487	22.0252	8.57765	0.0586487	22.0262	8.55290577	0.0110491	No
						Trac	1222.15	252.118	-2.27725	1222.151	252.119	-2.2772458	0.00018329	No
						Traf2	36.3221	22.2635	-0.706163	36.3231	22.2645	-0.7061421	0.016558	No
						Traf3	13.0734	7.32375	-0.835978	13.0744	7.32475	-0.8358933	0.0169745	No
						Traf3ip3	203.777	28.3479	-2.84568	203.778	28.3489	-2.8456336	0.00097029	No
						Traf4	13.3675	49.3636	1.88472	13.3685	49.3646	1.88463924	0.00018329	No
						Traf5	7.7297	12.9864	0.748512	7.7307	12.9874	0.74844168	0.0350203	No
						Traf6	8.64313	2.21032	-1.9673	8.64413	2.21132	-1.966813	0.00018329	No
						Tram1	101.24	52.1254	-0.957724	101.241	52.1264	-0.9577075	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trap1	24.5373	40.2417	0.713714	24.5383	40.2427	0.7136918	0.0101506	No
						Trappc1	37.5226	86.8987	1.21158	37.5236	86.8997	1.21155295	0.00018329	No
						Trappc10	12.8528	8.35167	-0.621944	12.8538	8.35267	-0.6218856	0.0271125	No
						TRAPPC2	10.3088	26.2492	1.34841	10.3098	26.2502	1.34831207	0.00018329	No
						Trappc2l	37.1472	83.4835	1.16824	37.1482	83.4845	1.16821606	0.00018329	No
						Trappc8	12.2905	6.64546	-0.887106	12.2915	6.64646	-0.8870029	0.00140841	No
						Trappc9	16.192	9.08075	-0.834399	16.193	9.08175	-0.8343281	0.0160313	No
						Trat1	68.0118	5.23851	-3.69856	68.0128	5.23951	-3.6983025	0.00018329	No
						Trdmt1	6.62218	3.32394	-0.994411	6.62318	3.32494	-0.9941958	0.00277264	No
						Trem1	1.63479	4.07666	1.31828	1.63579	4.07766	1.31775394	0.0181001	No
						Trem3	0.281592	3.48863	3.63098	0.282592	3.48963	3.62628155	0.00277264	No
						Trem12	50.8634	3.28289	-3.95359	50.8644	3.28389	-3.9531786	0.00018329	No
						Trerf1	11.4176	5.17712	-1.14104	11.4186	5.17812	-1.1408855	0.00066911	No
						Trib1	0.76158	4.007	2.39546	0.76258	4.008	2.39392191	0.00018329	No
						Trib2	96.0809	12.6341	-2.92692	96.0819	12.6351	-2.9268276	0.00018329	No
						Trim14	29.7922	4.0122	-2.89247	29.7932	4.0132	-2.8921581	0.00018329	No
						Trim16	0.0283137	4.39454	7.27807	0.0293137	4.39554	7.22832153	0.0208908	No
						Trim21	28.7159	8.94409	-1.68284	28.7169	8.94509	-1.6827321	0.00018329	No
						Trim25	12.4491	4.9912	-1.31859	12.4501	4.9922	-1.3184097	0.00445502	No
						TRIM27	51.0858	29.7408	-0.78048	51.0868	29.7418	-0.7804586	0.00834357	No
						Trim3	5.61176	13.9676	1.31556	5.61276	13.9686	1.31540516	0.00018329	No
						Trim32	4.72707	8.5082	0.847908	4.72807	8.5092	0.84777211	0.00755425	No
						Trim33	21.1196	5.8884	-1.84264	21.1206	5.8894	-1.8424583	0.00018329	No
						Trim34	40.5901	11.6009	-1.8069	40.5911	11.6019	-1.8068023	0.00992433	No
						Trim37	18.9576	9.34619	-1.02033	18.9586	9.34719	-1.0202478	0.0169745	No
						Trim44	18.1632	35.836	0.980391	18.1642	35.837	0.98035204	0.00329119	No
						Trim45	3.14157	7.91996	1.33401	3.14257	7.92096	1.33373041	0.0143185	No
						Trim5	143.398	24.3633	-2.55725	143.399	24.3643	-2.5571943	0.00018329	No
						Trim50	0	1.48221	inf	0.001	1.48321	10.5345072	0.00018329	No
						Trim8	74.9774	51.2948	-0.547643	74.9784	51.2958	-0.5476343	0.0425784	No
						Trip10	9.56426	58.1815	2.60484	9.56526	58.1825	2.6047092	0.00018329	No
						Trip12	35.957	20.559	-0.806504	35.958	20.56	-0.8064725	0.00925991	No
						Trip13	1.28275	0.462296	-1.47235	1.28375	0.463296	-1.4703581	0.0100349	No
						Triqk	0	3.11825	inf	0.001	3.11925	11.6069835	0.00018329	No
						Trmt11	10.0183	4.81366	-1.05743	10.0193	4.81466	-1.0572759	0.0114728	No
						Trmt12	1.79947	4.40104	1.29027	1.80047	4.40204	1.28979869	0.00481718	No
						Trmt13	10.9216	3.48566	-1.64768	10.9226	3.48666	-1.6473987	0.00393885	No
						Trmt6	15.7413	5.25076	-1.58395	15.7423	5.25176	-1.5837734	0.00018329	No
						Troap	0.069053	3.16728	5.5194	0.070053	3.16828	5.4991092	0.00051281	No
						Trove2	3.15408	8.14931	1.36946	3.15508	8.15031	1.36917835	0.030375	No
						Trpc1	0.265935	3.07119	3.52965	0.266935	3.07219	3.52470706	0.00018329	No
						Trpc3	0	1.53626	inf	0.001	1.53726	10.5861455	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trpc4ap	68.5165	43.7337	-0.647705	68.5175	43.7347	-0.6476941	0.0272985	No
						Trpm4	0.0595477	4.21169	6.14421	0.0605477	4.21269	6.12052579	0.00018329	No
						TRPM6	26.3143	7.31182	-1.84754	26.3153	7.31282	-1.8474021	0.00051281	No
						Trpm7	39.0473	15.5861	-1.32496	39.0483	15.5871	-1.3249072	0.00018329	No
						Trpv1	0.765882	8.5808	3.48592	0.766882	8.5818	3.48420377	0.00018329	No
						Trpv2	12.8597	6.38639	-1.00978	12.8607	6.38739	-1.0096707	0.00140841	No
						Trpv3	3.05193	0.273366	-3.48082	3.05293	0.274366	-3.4760209	0.03047	No
						Tsc1	8.75717	5.71146	-0.616605	8.75817	5.71246	-0.6165173	0.0354586	No
						Tsc22d1	28.6109	449.966	3.97518	28.6119	449.967	3.97513199	0.00018329	No
						Tsc22d3	525.37	84.2557	-2.64049	525.371	84.2567	-2.6404732	0.00018329	No
						Tsen15	6.60518	30.3742	2.20118	6.60618	30.3752	2.20100572	0.00018329	No
						Tsg101	39.0545	65.1366	0.737981	39.0555	65.1376	0.73796483	0.0163528	No
						TSGA10	1.50669	3.4896	1.21168	1.50769	3.4906	1.21113522	0.0417433	No
						Tsn	33.4733	18.1595	-0.882289	33.4743	18.1605	-0.88225	0.00051281	No
						Tsnax	48.5867	32.9911	-0.558483	48.5877	32.9921	-0.5584705	0.0479686	No
						Tspan1	0.116271	15.6241	7.07014	0.117271	15.6251	7.05787532	0.0145263	No
						Tspan12	0.275399	41.6554	7.24084	0.276399	41.6564	7.23564196	0.00018329	No
						Tspan13	102.371	39.7827	-1.3636	102.372	39.7837	-1.3635718	0.00018329	No
						Tspan14	34.9761	12.2128	-1.51797	34.9771	12.2138	-1.5178986	0.00018329	No
						Tspan15	0.0855754	3.14823	5.2012	0.0865754	3.14923	5.18489817	0.021204	No
						Tspan17	1.39053	3.40918	1.29379	1.39153	3.41018	1.29317588	0.02934	No
						Tspan18	0.0336192	7.5321	7.80762	0.0346192	7.5331	7.76552748	0.00018329	No
						Tspan3	14.1107	92.9461	2.7196	14.1117	92.9471	2.71951806	0.00018329	No
						Tspan32	127.817	5.9859	-4.41636	127.818	5.9869	-4.416138	0.00018329	No
						Tspan4	0.211074	6.02121	4.83423	0.212074	6.02221	4.82765335	0.00018329	No
						Tspan5	1.26056	25.1375	4.3177	1.26156	25.1385	4.31661784	0.00018329	No
						Tspan6	0.383891	19.8802	5.69449	0.384891	19.8812	5.69081109	0.00018329	No
						Tspan7	0	40.685	inf	0.001	40.686	15.3122448	0.00018329	No
						Tspan8	0	208.435	inf	0.001	208.436	17.6692449	0.00018329	No
						Tspear	2.2472	0.614712	-1.87015	2.2482	0.615712	-1.8684428	0.00210945	No
						Tspyl2	23.0471	12.334	-0.901937	23.0481	12.335	-0.9018901	0.00277264	No
						Tsr2	4.84755	2.8738	-0.754295	4.84855	2.8748	-0.7540918	0.0310472	No
						Tssc1	41.7935	18.8472	-1.14893	41.7945	18.8482	-1.1488863	0.00197017	No
						TSTA3	62.6516	40.5916	-0.62617	62.6526	40.5926	-0.6261576	0.0238252	No
						Ttc13	16.5417	10.3608	-0.674972	16.5427	10.3618	-0.6749201	0.0259489	No
						Ttc14	16.5112	5.35787	-1.62371	16.5122	5.35887	-1.6235316	0.00018329	No
						Ttc18	0.709495	3.89354	2.45622	0.710495	3.89454	2.45455653	0.00018329	No
						Ttc23	0.132231	12.6832	6.58372	0.133231	12.6842	6.57295891	0.00959787	No
						Ttc26	0.0245296	2.32918	6.56915	0.0255296	2.33018	6.51212666	0.0295293	No
						Ttc28	11.4003	1.49576	-2.93013	11.4013	1.49676	-2.9292835	0.00018329	No
						Ttc30a1	1.74178	3.76068	1.11043	1.74278	3.76168	1.10998666	0.00992433	No
						Ttc36	0	68.8476	inf	0.001	68.8486	16.0711397	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ttc37	29.9987	16.5443	-0.858569	29.9997	16.5453	-0.8585266	0.0262294	No
						Ttc7b	6.25974	18.538	1.56631	6.26074	18.539	1.56615833	0.00035173	No
						Ttc9	0.511164	6.40453	3.64723	0.512164	6.40553	3.64464019	0.00018329	No
						Ttf1	14.1405	4.34478	-1.70248	14.1415	4.34578	-1.7022481	0.00018329	No
						Ttk	0.271304	1.54744	2.51191	0.272304	1.54844	2.5075254	0.00097029	No
						Ttll10	0.0212673	9.82396	8.85152	0.0222673	9.82496	8.78538109	0.00154856	No
						Ttll3	1.237	5.81716	2.23347	1.238	5.81816	2.23255166	0.00051281	No
						Ttll4	4.72839	1.94788	-1.27944	4.72939	1.94888	-1.2790089	0.00018329	No
						Ttll7	0.232592	1.35197	2.53918	0.233592	1.35297	2.53406708	0.0107084	No
						Ttpa	0	0.659893	inf	0.001	0.660893	9.3682729	0.00018329	No
						Ttpal	9.28013	3.6829	-1.3333	9.28113	3.6839	-1.3330666	0.00018329	No
						Ttr	0	7.48837	inf	0.001	7.48937	12.8706287	0.00018329	No
						Ttyh2	0.0225753	0.95794	5.40712	0.0235753	0.95894	5.34609252	0.00721079	No
						Ttyh3	84.438	23.2676	-1.85957	84.439	23.2686	-1.8595251	0.00018329	No
						Tuba8	0.2866	4.14182	3.85316	0.2876	4.14282	3.84847756	0.00018329	No
						Tubb2a	4.54529	56.9626	3.64757	4.54629	56.9636	3.64727871	0.00018329	No
						Tubb4b	41.8656	100.314	1.26068	41.8666	100.315	1.26066568	0.00018329	No
						Tubb5	369.829	128.555	-1.52447	369.83	128.556	-1.5244653	0.00018329	No
						Tube1	13.8119	3.10696	-2.15233	13.8129	3.10796	-2.1519764	0.0016929	No
						Tube1	13.8119	3.10696	-2.15233	13.8129	3.10796	-2.1519764	0.0016929	No
						Tube1	13.8119	3.10696	-2.15233	13.8129	3.10796	-2.1519764	0.0016929	No
						Tubgcp5	7.27664	4.63597	-0.6504	7.27764	4.63697	-0.6502883	0.0431009	No
						Tufm	35.7407	85.949	1.26591	35.7417	85.95	1.26588938	0.00018329	No
						Tuft1	0.0505348	7.45411	7.20461	0.0515348	7.45511	7.17653886	0.00018329	No
						Tulp3	0.416315	9.0618	4.44405	0.417315	9.0628	4.44074816	0.00018329	No
						Tulp4	2.99175	4.58464	0.615817	2.99275	4.58564	0.61565133	0.0341877	No
						Tusc2	12.306	27.8323	1.1774	12.307	27.8333	1.17733284	0.00018329	No
						Tusc3	0.661893	30.8068	5.54051	0.662893	30.8078	5.53837583	0.00018329	No
						Twist1	0	13.4576	inf	0.001	13.4586	13.7162407	0.00018329	No
						Twistnb	9.26355	3.31035	-1.48458	9.26455	3.31135	-1.4843014	0.00018329	No
						Twsg1	3.79578	17.7397	2.22451	3.79678	17.7407	2.22421462	0.00018329	No
						Txk	88.6284	17.3503	-2.35281	88.6294	17.3513	-2.3527416	0.00018329	No
						Txlng	17.2018	4.29398	-2.00217	17.2028	4.29498	-2.0019201	0.00709238	No
						Txn1	256.751	635.451	1.30741	256.752	635.452	1.30740764	0.00018329	No
						Txn2	42.7142	113.011	1.40368	42.7152	113.012	1.40365453	0.00018329	No
						Txndc16	19.2615	3.83577	-2.32813	19.2625	3.83677	-2.3278308	0.00018329	No
						Txndc17	22.8373	47.2941	1.05027	22.8383	47.2951	1.05023546	0.00051281	No
						Txndc5	18.6632	30.1088	0.689992	18.6642	30.1098	0.68995945	0.019979	No
						Txnip	2217.64	277.744	-2.99719	2217.641	277.745	-2.997193	0.00018329	No
						Txn1	39.4916	64.572	0.709364	39.4926	64.573	0.7093487	0.0160313	No
						Txnrd1	12.2301	40.1345	1.71441	12.2311	40.1355	1.71432471	0.00018329	No
						Tyms	1.21042	6.38554	2.3993	1.21142	6.38654	2.39833541	0.0144181	No
						Tyro3	0.108497	3.42044	4.97845	0.109497	3.42144	4.9656404	0.00035173	No
						Tyrobp	15.0885	185.038	3.6163	15.0895	185.039	3.61621247	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						U2af2	159.526	64.2774	-1.31141	159.527	64.2784	-1.3113947	0.00018329	No
						Uaca	0	6.99084	inf	0.001	6.99184	12.7714565	0.00018329	No
						Uap1	4.5716	9.72554	1.08908	4.5726	9.72654	1.08891197	0.00035173	No
						Uba2	53.9809	21.4618	-1.33068	53.9819	21.4628	-1.3306375	0.00018329	No
						Uba52	4180.29	1899.94	-1.13765	4180.291	1899.941	-1.1376488	0.00066911	No
						Uba6	6.76826	3.12865	-1.11324	6.76926	3.12965	-1.1129968	0.00406781	No
						Ubac1	21.9836	34.2363	0.639099	21.9846	34.2373	0.63907565	0.02372737	No
						Ubald2	492.906	111.284	-2.14706	492.907	111.285	-2.1470563	0.00018329	No
						Ubap1	12.1365	18.1412	0.579913	12.1375	18.1422	0.57987812	0.0379652	No
						Ubap2l	39.0202	25.3658	-0.621333	39.0212	25.3668	-0.6213166	0.0273913	No
						Ubc	81.8328	185.054	1.17719	81.8338	185.055	1.17718537	0.00018329	No
						Ubd	13.1531	33.4639	1.3472	13.1541	33.4649	1.34713616	0.00035173	No
						Ube2b	84.2695	51.5805	-0.708186	84.2705	51.5815	-0.708174	0.00458064	No
						Ube2d1	19.77	9.74766	-1.02018	19.771	9.74866	-1.02011	0.0146209	No
						Ube2d3	265.883	116.093	-1.19552	265.884	116.094	-1.1955036	0.00018329	No
						Ube2e2	3.18292	23.59	2.88975	3.18392	23.591	2.88936058	0.00018329	No
						Ube2f	16.7785	32.7007	0.962705	16.7795	32.7017	0.96266591	0.00481718	No
						Ube2g1	54.8834	24.1388	-1.18502	54.8844	24.1398	-1.1849824	0.00018329	No
						Ube2h	60.1775	20.5596	-1.54942	60.1785	20.5606	-1.5493658	0.00018329	No
						Ube2i	176.118	97.9006	-0.847152	176.119	97.9016	-0.8471462	0.00959787	No
						Ube2j1	27.5584	16.162	-0.769889	27.5594	16.163	-0.7698495	0.00303839	No
						Ube2j2	107.336	55.7652	-0.944692	107.337	55.7662	-0.9446846	0.00238141	No
						Ube2l6	1.76129	8.45466	2.26311	1.76229	8.45566	2.26246602	0.00018329	No
						Ube2o	29.3006	12.1217	-1.27334	29.3016	12.1227	-1.2732684	0.00018329	No
						Ube2r2	165.856	111.13	-0.577689	165.857	111.131	-0.5776786	0.0399588	No
						Ube2t	0.213429	1.72834	3.01756	0.214429	1.72934	3.0116496	0.030375	No
						Ube3b	24.7339	36.2872	0.552975	24.7349	36.2882	0.55295243	0.0481525	No
						Ube4a	18.9379	9.09024	-1.05888	18.9389	9.09124	-1.0588035	0.00018329	No
						Ubl4a	7.68999	14.0425	0.868751	7.69099	14.0435	0.86866132	0.00303839	No
						Ubn1	18.634	7.06544	-1.39908	18.635	7.06644	-1.3989593	0.00018329	No
						Ubn2	8.24344	4.16879	-0.983618	8.24444	4.16979	-0.9834468	0.00051281	No
						Ubp1	69.829	29.2683	-1.25449	69.83	29.2693	-1.2544587	0.00018329	No
						Ubr1	16.6854	8.97462	-0.894661	16.6864	8.97562	-0.8945892	0.00303839	No
						Ubr2	26.4172	14.2044	-0.895143	26.4182	14.2054	-0.8950927	0.0016929	No
						Ubr4	55.9757	30.9605	-0.854372	55.9767	30.9615	-0.8543511	0.0404374	No
						Ubr7	16.9668	8.69454	-0.96453	16.9678	8.69554	-0.964452	0.00018329	No
						Ubxn11	0.262991	2.26497	3.10641	0.263991	2.26597	3.10156811	0.00197017	No
						Ubxn7	6.73706	2.68912	-1.32498	6.73806	2.69012	-1.3246627	0.0340896	No
						Ubxn8	4.10108	10.0649	1.29526	4.10208	10.0659	1.29504864	0.00018329	No
						Uchl1	8.63003	109.537	3.66591	8.63103	109.538	3.6657549	0.00018329	No
						Uchl5	24.7027	16.0478	-0.622286	24.7037	16.0488	-0.6222617	0.02885	No
						UCMA	0	6.49368	inf	0.001	6.49468	12.6650427	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ucp2	636.396	141.943	-2.16462	636.397	141.944	-2.1646052	0.00018329	No
						Ufsp1	2.71762	6.17509	1.18412	2.71862	6.17609	1.18381927	0.022325	No
						Ugcg	38.4842	18.0273	-1.09409	38.4852	18.0283	-1.0940404	0.00018329	No
						Ugdh	13.7521	28.3352	1.04295	13.7531	28.3362	1.04288946	0.00035173	No
						Uggt1	25.3301	9.72704	-1.38078	25.3311	9.72804	-1.3806887	0.00018329	No
						Ugp2	28.0198	41.0928	0.552437	28.0208	41.0938	0.5524226	0.043182	No
						Ugt1a2	1.25627	78.1026	5.95815	1.25727	78.1036	5.95702264	0.00018329	No
						Ugt2b35	0	13.846	inf	0.001	13.847	13.7572858	0.00018329	No
						Ugt8	0	23.6459	inf	0.001	23.6469	14.5293634	0.00018329	No
						Uhrf1bp1	0.116047	5.89327	5.66629	0.117047	5.89427	5.65415329	0.00018329	No
						Uhrf2	115.225	38.9111	-1.56619	115.226	38.9121	-1.5661755	0.00018329	No
						Ulk1	13.2303	28.2014	1.09191	13.2313	28.2024	1.09186312	0.00051281	No
						Ulk2	12.7389	6.69597	-0.927874	12.7399	6.69697	-0.9277735	0.00140841	No
						Unc13b	1.09229	4.27025	1.96696	1.09329	4.27125	1.96598221	0.00018329	No
						Unc5b	3.55399	1.24179	-1.51702	3.55499	1.24279	-1.516263	0.00035173	No
						Unc5cl	1.824	7.59562	2.05806	1.825	7.59662	2.05746119	0.00018329	No
						Unc93b1	2.87583	19.6214	2.77038	2.87683	19.6224	2.76994963	0.00018329	No
						Ung	11.4666	22.3048	0.959915	11.4676	22.3058	0.9598554	0.00238141	No
						Unk	17.5284	9.17644	-0.933692	17.5294	9.17744	-0.9336129	0.00686277	No
						Unkl	25.9833	8.04628	-1.69119	25.9843	8.04728	-1.6910671	0.00018329	No
						Upf2	45.0877	22.528	-1.00101	45.0887	22.529	-1.0009826	0.00066911	No
						Upf3b	43.5376	13.3426	-1.70623	43.5386	13.3436	-1.7061471	0.00018329	No
						Upk1a	0.470093	53.4615	6.82941	0.471093	53.4625	6.8263716	0.00251301	No
						Upk1b	0	15.646	inf	0.001	15.647	13.9335985	0.00018329	No
						Upk2	0	36.647	inf	0.001	36.648	15.1614468	0.00018329	No
						Upk3bl	0	10.4818	inf	0.001	10.4828	13.3557365	0.00018329	No
						Upp1	0.882625	19.0294	4.43029	0.883625	19.0304	4.42872784	0.00018329	No
						UQCRB	65.2301	234.178	1.844	65.2311	234.179	1.84397985	0.00018329	No
						Uqcrc1	94.0616	276.489	1.55555	94.0626	276.49	1.55553419	0.00018329	No
						Uqcrc2	71.9258	112.546	0.645931	71.9268	112.547	0.64592628	0.0455598	No
						Uqcrfs1	108.139	203.533	0.912369	108.14	203.534	0.91236955	0.00035173	No
						Uqcrq	319.897	1501.77	2.23098	319.898	1501.771	2.23098096	0.00018329	No
						Urad	0	13.4428	inf	0.001	13.4438	13.7146534	0.00018329	No
						Urb1	5.61978	1.51729	-1.88902	5.62078	1.51829	-1.888323	0.00018329	No
						Urgcp	6.49551	12.7173	0.969276	6.49651	12.7183	0.96916905	0.00251301	No
						Uri1	49.8338	16.471	-1.5972	49.8348	16.472	-1.5971378	0.00018329	No
						Urod	37.8544	76.7689	1.02006	37.8554	76.7699	1.02004166	0.00035173	No
						Use1	156.052	229.07	0.553768	156.053	229.071	0.55375874	0.046635	No
						Usmg5	527.928	1717	1.70148	527.929	1717.001	1.70147506	0.00018329	No
						Usp1	22.2752	9.22517	-1.27179	22.2762	9.22617	-1.2716994	0.00018329	No
						Usp14	31.1998	15.9258	-0.970172	31.2008	15.9268	-0.9701266	0.0245258	No
						Usp15	23.2386	15.0978	-0.622186	23.2396	15.0988	-0.6221513	0.0231105	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Usp2	0.137375	3.21756	4.54978	0.138375	3.21856	4.53976014	0.00111812	No
						Usp20	7.14765	13.7739	0.946394	7.14865	13.7749	0.94629912	0.00197017	No
						Usp25	37.332	16.1687	-1.20721	37.333	16.1697	-1.2071585	0.00111812	No
						Usp28	76.6442	9.71474	-2.97993	76.6452	9.71574	-2.9797997	0.00018329	No
						Usp31	2.00022	0.848755	-1.23674	2.00122	0.849755	-1.2357609	0.00035173	No
						USP34	15.7939	4.43741	-1.83158	15.7949	4.43841	-1.831344	0.0402454	No
						Usp37	7.01839	3.38902	-1.05027	7.01939	3.39002	-1.0500519	0.00615197	No
						Usp38	20.9903	5.78081	-1.86038	20.9913	5.78181	-1.8601984	0.00018329	No
						USP39	23.7797	11.0705	-1.10301	23.7807	11.0715	-1.1029405	0.00506686	No
						Usp40	41.8496	11.3067	-1.88803	41.8506	11.3077	-1.8879428	0.00018329	No
						Usp43	0	3.28416	inf	0.001	3.28516	11.6817479	0.00018329	No
						Usp45	10.7753	2.63654	-2.03101	10.7763	2.63754	-2.030597	0.00018329	No
						Usp48	67.5905	23.6291	-1.51626	67.5915	23.6301	-1.5162161	0.00018329	No
						Usp53	4.62293	9.57724	1.0508	4.62393	9.57824	1.05064103	0.00197017	No
						Usp6nl	9.37908	4.3017	-1.12454	9.38008	4.3027	-1.124358	0.00018329	No
						Usp7	74.7399	34.0143	-1.13574	74.7409	34.0153	-1.1357141	0.00018329	No
						Usp9x	18.8846	10.1341	-0.897986	18.8856	10.1351	-0.8979263	0.00097029	No
						Ust	5.35749	1.07998	-2.31056	5.35849	1.08098	-2.3094867	0.00018329	No
						Utp14a	17.2051	8.03426	-1.0986	17.2061	8.03526	-1.0985035	0.00035173	No
						Utp15	9.29364	4.7277	-0.975106	9.29464	4.7287	-0.9749554	0.00154856	No
						Utp18	18.1706	5.9564	-1.60909	18.1716	5.9574	-1.6089307	0.00018329	No
						Utp20	5.60875	2.51547	-1.15685	5.60975	2.51647	-1.1565351	0.00018329	No
						Utp3	47.0741	29.8688	-0.656292	47.0751	29.8698	-0.6562766	0.0190448	No
						Utrn	48.4048	24.5014	-0.982286	48.4058	24.5024	-0.9822569	0.0262294	No
						Vamp1	58.8058	11.5555	-2.34738	58.8068	11.5565	-2.3472785	0.00018329	No
						Vamp4	20.1802	6.68249	-1.59449	20.1812	6.68349	-1.5943384	0.00018329	No
						Vamp8	101.212	224.703	1.15064	101.213	224.704	1.1506312	0.00506686	No
						Vangl1	0.218466	4.27732	4.29122	0.219466	4.27832	4.28497504	0.00018329	No
						Vapb	23.3914	38.6285	0.723689	23.3924	38.6295	0.72366312	0.0168685	No
						Vash1	0	0.664251	inf	0.001	0.665251	9.37775496	0.00018329	No
						Vash2	0.0948197	5.21562	5.78151	0.0958197	5.21662	5.76664924	0.00066911	No
						Vasp	99.1938	52.1301	-0.928134	99.1948	52.1311	-0.9281202	0.00097029	No
						Vav1	37.1214	7.2575	-2.35471	37.1224	7.2585	-2.3545466	0.00018329	No
						Vcam1	0.0404593	1.60848	5.31308	0.0414593	1.60948	5.27875508	0.00615197	No
						Vcan	0.0928418	4.03951	5.44326	0.0938418	4.04051	5.42816291	0.00018329	No
						Vcl	1.44447	9.33787	2.69256	1.44547	9.33887	2.69170933	0.00018329	No
						Vcpip1	15.9001	5.63568	-1.49637	15.9011	5.63668	-1.496209	0.00018329	No
						Vdac1	25.4087	205.442	3.01534	25.4097	205.443	3.01528693	0.00018329	No
						Vdac2	96.7965	149.687	0.628918	96.7975	149.688	0.62891688	0.0272082	No
						Vdac3	93.2794	137.999	0.56503	93.2804	138	0.56502239	0.0335274	No
						Vdr	0.219594	34.2851	7.2866	0.220594	34.2861	7.28008645	0.00018329	No
						Vegfa	0.170853	77.4068	8.82356	0.171853	77.4078	8.8151601	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Vegfb	2.62161	47.0437	4.16547	2.62261	47.0447	4.16495701	0.00018329	No
						Vegfc	0.159855	2.4649	3.9467	0.160855	2.4659	3.93828161	0.00140841	No
						Veph1	0	8.4193	inf	0.001	8.4203	13.0396559	0.00018329	No
						VeZF1	27.3509	16.5251	-0.726927	27.3519	16.5261	-0.7268948	0.0121287	No
						VeZt	3.57175	5.80868	0.701579	3.57275	5.80968	0.70142374	0.0394791	No
						Vill	0	50.1591	inf	0.001	50.1601	15.6142526	0.00018329	No
						Vipr1	3.22864	0.14103	-4.51685	3.22964	0.14203	-4.5071058	0.036101	No
						Vipr2	4.61048	0.839467	-2.45737	4.61148	0.840467	-2.4559668	0.00018329	No
						Vkorc1	7.34524	68.035	3.21139	7.34624	68.036	3.21122039	0.00018329	No
						Vkorc1l1	2.19441	4.31546	0.97568	2.19541	4.31646	0.97535823	0.0313274	No
						Vmac	17.0332	28.3457	0.734776	17.0342	28.3467	0.7347466	0.00834357	No
						Vnn1	0.745854	10.644	3.83501	0.746854	10.645	3.8332059	0.00018329	No
						Vom2r44	0.925902	0.425566	-1.12148	0.926902	0.426566	-1.1196478	0.0484218	No
						Vopp1	69.9476	28.2092	-1.31011	69.9486	28.2102	-1.3100783	0.00018329	No
						Vprbp	20.7477	10.6567	-0.961195	20.7487	10.6577	-0.9611248	0.0476294	No
						Vps13a	26.3776	11.0239	-1.25868	26.3786	11.0249	-1.2586024	0.00018329	No
						Vps18	1.92698	4.91044	1.34951	1.92798	4.91144	1.34905599	0.00018329	No
						Vps25	62.6227	132.753	1.08398	62.6237	132.754	1.08397468	0.00251301	No
						Vps29	26.3352	60.8078	1.20726	26.3362	60.8088	1.20723292	0.00018329	No
						Vps36	54.1329	31.628	-0.775303	54.1339	31.629	-0.7752844	0.0136625	No
						Vps37b	90.3394	10.572	-3.0951	90.3404	10.573	-3.0949865	0.00018329	No
						Vps45	10.3578	27.6064	1.41429	10.3588	27.6074	1.41419814	0.00290302	No
						Vps54	41.3059	21.6854	-0.929621	41.3069	21.6864	-0.9295922	0.0393915	No
						Vps9d1	10.7423	31.35	1.54516	10.7433	31.351	1.54507425	0.00018329	No
						Vrk1	36.2022	17.1949	-1.0741	36.2032	17.1959	-1.0740526	0.00051281	No
						Vsig10l	0.869964	12.1483	3.80365	0.870964	12.1493	3.80211629	0.00018329	No
						Vsig2	0	5.1861	inf	0.001	5.1871	12.3407125	0.00018329	No
						Vtcn1	0	1.67653	inf	0.001	1.67753	10.7121229	0.00018329	No
						Vwa7	0.0314075	4.03241	7.00439	0.0324075	4.03341	6.95952852	0.0248275	No
						Vwa8	7.88766	24.5365	1.63726	7.88866	24.5375	1.6371361	0.00018329	No
						Vwf	16.541	3.84043	-2.1067	16.542	3.84143	-2.1064183	0.00018329	No
						Wac	106.417	35.3132	-1.59145	106.418	35.3142	-1.5914219	0.00018329	No
						Wapal	37.2859	12.0137	-1.63396	37.2869	12.0147	-1.6338682	0.00018329	No
						Was	116.879	27.4316	-2.0911	116.88	27.4326	-2.0910648	0.00018329	No
						Wasf1	0.0620662	1.11036	4.16108	0.0630662	1.11136	4.1393154	0.00251301	No
						Wasf2	34.7196	12.917	-1.42648	34.7206	12.918	-1.4264092	0.00018329	No
						Wasf3	0	4.24091	inf	0.001	4.24191	12.0504983	0.00018329	No
						Wbp1	63.2984	98.6018	0.639446	63.2994	98.6028	0.63943679	0.0207821	No
						Wbp1l	70.6241	25.0566	-1.49497	70.6251	25.0576	-1.4949328	0.00018329	No
						Wbp5	12.4043	160.701	3.69547	12.4053	160.702	3.69535935	0.00018329	No
						Wbscr27	12.0796	23.9458	0.987199	12.0806	23.9468	0.98714077	0.00380824	No
						Wbscr28	0	0.678907	inf	0.001	0.679907	9.40919361	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wdfy1	1.59078	10.7187	2.75232	1.59178	10.7197	2.75155167	0.00018329	No
						Wdfy2	7.63407	11.638	0.60832	7.63507	11.639	0.60825382	0.0300303	No
						Wdfy3	0.026308	9.83279	8.54596	0.027308	9.83379	8.49228008	0.00018329	No
						Wdhd1	4.68421	1.20893	-1.95408	4.68521	1.20993	-1.9531901	0.00018329	No
						Wdpcp	0.642242	2.17918	1.7626	0.643242	2.18018	1.76101374	0.04193	No
						Wdr11	6.70421	21.2945	1.66734	6.70521	21.2955	1.66719418	0.00018329	No
						Wdr12	22.3896	11.2408	-0.994077	22.3906	11.2418	-0.9940201	0.02885	No
						Wdr19	0.268391	1.85897	2.7921	0.269391	1.85997	2.78750579	0.00018329	No
						Wdr20	17.2306	9.47936	-0.862114	17.2316	9.48036	-0.8620429	0.02885	No
						Wdr25	21.9017	6.60189	-1.73009	21.9027	6.60289	-1.7299392	0.00744054	No
						Wdr26	70.9843	16.9943	-2.06245	70.9853	16.9953	-2.0623845	0.00018329	No
						Wdr3	18.5113	6.54101	-1.50082	18.5123	6.54201	-1.5006783	0.00018329	No
						Wdr35	0.677686	10.9493	4.01408	0.678686	10.9503	4.01208233	0.00018329	No
						Wdr37	11.2463	6.1897	-0.861514	11.2473	6.1907	-0.8614043	0.00342383	No
						Wdr41	15.8641	9.2733	-0.774613	15.8651	9.2743	-0.7745463	0.018938	No
						Wdr43	32.6523	12.2209	-1.41784	32.6533	12.2219	-1.4177602	0.00018329	No
						Wdr44	6.37246	2.3126	-1.46233	6.37346	2.3136	-1.4619373	0.00018329	No
						Wdr45	54.0201	35.5114	-0.605214	54.0211	35.5124	-0.6052002	0.0482423	No
						Wdr5	27.7989	14.8324	-0.906269	27.7999	14.8334	-0.9062304	0.00082046	No
						Wdr54	0.0966592	18.9415	7.61443	0.0976592	18.9425	7.59965507	0.00111812	No
						WDR55	128.145	68.2314	-0.909268	128.146	68.2324	-0.9092596	0.00082046	No
						Wdr60	0.328451	3.55338	3.43544	0.329451	3.55438	3.43146212	0.00018329	No
						Wdr61	25.1669	40.6457	0.691577	25.1679	40.6467	0.69155338	0.0287615	No
						Wdr7	4.87889	2.65467	-0.878021	4.87989	2.65567	-0.8777727	0.0036827	No
						Wdr70	21.271	13.0651	-0.703177	21.272	13.0661	-0.7031271	0.0422061	No
						Wdr72	0	14.6668	inf	0.001	14.6678	13.8403649	0.00018329	No
						Wdr73	6.40889	13.0231	1.02293	6.40989	13.0241	1.02281218	0.0218106	No
						Wdr75	28.4698	14.7086	-0.952775	28.4708	14.7096	-0.952725	0.00018329	No
						Wdr76	4.71053	1.00351	-2.23083	4.71153	1.00451	-2.2297037	0.00018329	No
						Wdr91	13.5079	32.5048	1.26685	13.5089	32.5058	1.26678696	0.00981659	No
						Wdr92	8.50718	4.66039	-0.868231	8.50818	4.66139	-0.8680903	0.010379	No
						Wdsub1	1.87838	7.94719	2.08096	1.87938	7.94819	2.08036956	0.00018329	No
						Wdte1	29.2541	17.6387	-0.729896	29.2551	17.6397	-0.7298621	0.00615197	No
						Wfdc1	0	9.90711	inf	0.001	9.90811	13.2743942	0.00018329	No
						Wfdc10	0	3.6374	inf	0.001	3.6384	11.8290884	0.00018329	No
						Wfdc3	0	2.23542	inf	0.001	2.23642	11.1269754	0.0180048	No
						Wfs1	0.579222	6.85034	3.56399	0.580222	6.85134	3.56170928	0.00018329	No
						Whsc1	3.98294	10.8027	1.43949	3.98394	10.8037	1.43925766	0.0109365	No
						Wibg	124.318	38.214	-1.70187	124.319	38.215	-1.7018359	0.00018329	No
						WIF1	0.157708	0.581836	1.88336	0.158708	0.582836	1.87671514	0.0433593	No
						Wipf3	6.76833	0.888359	-2.92959	6.76933	0.889359	-2.9281752	0.00018329	No
						Wisp3	7.43132	2.35015	-1.66086	7.43232	2.35115	-1.660446	0.0326623	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wls	5.32765	108.795	4.35197	5.32865	108.796	4.35171163	0.00018329	No
						Wnt4	0	2.22436	inf	0.001	2.22536	11.119823	0.00018329	No
						Wnt5a	0	1.64941	inf	0.001	1.65041	10.6886088	0.00018329	No
						Wnt7a	0	0.618608	inf	0.001	0.619608	9.27521196	0.00018329	No
						Wrap73	15.5939	7.25139	-1.10465	15.5949	7.25239	-1.1045459	0.00354878	No
						Wrb	4.21694	9.23388	1.13074	4.21794	9.23488	1.13055464	0.00066911	No
						Wrn	10.5014	4.17932	-1.32924	10.5024	4.18032	-1.3290338	0.00018329	No
						Wsb2	8.21819	41.2855	2.32874	8.21919	41.2865	2.32860199	0.00018329	No
						Wscd1	0.103888	8.3257	6.32447	0.104888	8.3267	6.31082331	0.00018329	No
						Wt1	0	3.12219	inf	0.001	3.12319	11.6088046	0.00018329	No
						Wtap	63.6457	22.213	-1.51866	63.6467	22.214	-1.5186165	0.00018329	No
						Wwc1	0.102262	72.197	9.46353	0.103262	72.198	9.44950562	0.00018329	No
						Wwc2	0.126122	21.2616	7.39729	0.127122	21.2626	7.38596048	0.00018329	No
						Wwc3	1.09388	4.86969	2.15437	1.09488	4.87069	2.15335341	0.00018329	No
						Wwox	3.58995	7.32806	1.02947	3.59095	7.32906	1.02926261	0.0358173	No
						Wwp1	0.834341	19.2504	4.5281	0.835341	19.2514	4.52645431	0.00018329	No
						XAF1	20.0634	6.10478	-1.71655	20.0644	6.10578	-1.7163905	0.00506686	No
						XBP1	24.3082	63.1528	1.3774	24.3092	63.1538	1.37736713	0.00018329	No
						Xcl1	1.34508	59.7225	5.47251	1.34608	59.7235	5.47146266	0.00018329	No
						Xdh	0.659323	7.40446	3.48934	0.660323	7.40546	3.48734555	0.00018329	No
						Xiap	19.002	9.05149	-1.06993	19.003	9.05249	-1.0698406	0.00543198	No
						Xkrx	21.9649	0.86901	-4.65968	21.9659	0.87001	-4.6580898	0.00018329	No
						Xpnpep1	17.5353	79.7613	2.18542	17.5363	79.7623	2.18536263	0.00018329	No
						Xpnpep2	0.203947	7.71155	5.24075	0.204947	7.71255	5.23388516	0.00018329	No
						Xpo1	38.1125	18.5392	-1.03969	38.1135	18.5402	-1.0396453	0.00018329	No
						Xpo4	9.67917	3.13275	-1.62745	9.68017	3.13375	-1.6271423	0.00018329	No
						Xrcc1	27.7477	50.0019	0.849615	27.7487	50.0029	0.84959158	0.0018326	No
						Xrcc6bp1	9.46459	54.3095	2.52059	9.46559	54.3105	2.52046681	0.00018329	No
						Xrn2	51.797	14.0395	-1.88337	51.798	14.0405	-1.8833021	0.00018329	No
						Xxylt1	5.68364	15.0318	1.40313	5.68464	15.0328	1.40297286	0.00018329	No
						Xylt2	26.7277	10.7464	-1.31449	26.7287	10.7474	-1.314402	0.00018329	No
						Yae1d1	4.61419	8.71	0.916594	4.61519	8.711	0.9164483	0.00354878	No
						Ybey	1.04736	1.92267	0.876356	1.04836	1.92367	0.87572712	0.0432746	No
						Ybx1	151.918	323.581	1.09083	151.919	323.582	1.09082904	0.00018329	No
						Ybx3	41.4063	92.7554	1.16358	41.4073	92.7564	1.16356169	0.00018329	No
						Yeats4	49.5629	25.8914	-0.936784	49.5639	25.8924	-0.936761	0.00111812	No
						Yes1	0	6.7562	inf	0.001	6.7572	12.7222098	0.00018329	No
						Yif1a	12.3226	30.7378	1.31871	12.3236	30.7388	1.31863708	0.00018329	No
						Yif1b	28.3883	51.2276	0.851626	28.3893	51.2286	0.85160219	0.0281852	No
						YME1L1	13.5285	6.52682	-1.05155	13.5295	6.52782	-1.0514353	0.00066911	No
						Ypel1	0.282821	3.59409	3.66766	0.283821	3.59509	3.66297464	0.031236	No
						Ypel3	371.714	134.31	-1.46863	371.715	134.311	-1.4686194	0.00018329	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Yrdc	39.7581	19.6678	-1.01542	39.7591	19.6688	-1.0153762	0.0086849	No
						Ythdc1	79.849	39.3115	-1.02232	79.85	39.3125	-1.0223043	0.00018329	No
						Ythdc2	9.12847	3.28567	-1.47418	9.12947	3.28667	-1.4739045	0.00018329	No
						Ythdf1	32.1256	18.3935	-0.804529	32.1266	18.3945	-0.8044938	0.0018326	No
						Ythdf2	20.1088	10.331	-0.960854	20.1098	10.332	-0.9607792	0.0181001	No
						Ythdf3	24.051	14.8626	-0.694409	24.052	14.8636	-0.6943733	0.0237237	No
						Ywhab	128.414	80.4569	-0.674515	128.415	80.4579	-0.6745077	0.0136625	No
						Ywhae	125.373	279.989	1.15914	125.374	279.99	1.15913711	0.00018329	No
						Ywhag	12.5807	45.7244	1.86176	12.5817	45.7254	1.86166892	0.00018329	No
						Ywhah	171.728	118.17	-0.539262	171.729	118.171	-0.5392577	0.0426676	No
						YWHAZ	357.405	202.456	-0.819954	357.406	202.457	-0.8199483	0.0145263	No
						Yy1	50.848	26.3456	-0.948631	50.849	26.3466	-0.9486026	0.0372165	No
						Zak	0.871947	7.72199	3.14666	0.872947	7.72299	3.14519353	0.00018329	No
						Zap70	137.039	34.6289	-1.98453	137.04	34.6299	-1.9845069	0.00018329	No
						Zbed3	6.06974	16.8627	1.47413	6.07074	16.8637	1.47397682	0.00018329	No
						Zbed4	5.43753	2.87391	-0.919935	5.43853	2.87491	-0.9197	0.00380824	No
						Zbp1	60.3111	35.7318	-0.755214	60.3121	35.7328	-0.7551985	0.0151736	No
						Zbtb1	26.4126	7.4075	-1.83417	26.4136	7.4085	-1.8340276	0.0290402	No
						Zbtb11	12.6634	5.06034	-1.32336	12.6644	5.06134	-1.3231874	0.0413654	No
						Zbtb32	6.72332	3.83832	-0.808699	6.72432	3.83932	-0.8085376	0.0433593	No
						Zbtb33	1.11686	0.407178	-1.45571	1.11786	0.408178	-1.4534692	0.033435	No
						Zbtb34	5.86155	1.13871	-2.36389	5.86255	1.13971	-2.3628615	0.00018329	No
						Zbtb38	2.34656	6.16667	1.39395	2.34756	6.16767	1.39356354	0.00018329	No
						Zbtb4	9.63428	14.8643	0.6256	9.63528	14.8653	0.62555008	0.0458374	No
						Zbtb40	23.3696	8.60734	-1.44099	23.3706	8.60834	-1.4408878	0.00018329	No
						Zbtb43	6.15297	3.98666	-0.626101	6.15397	3.98766	-0.625975	0.0369285	No
						Zbtb44	22.1766	7.33104	-1.59695	22.1776	7.33204	-1.5968167	0.00018329	No
						Zbtb6	7.34312	3.29184	-1.1575	7.34412	3.29284	-1.1572572	0.00140841	No
						Zbtb7c	0.0319874	0.831253	4.69971	0.0329874	0.832253	4.65703519	0.0162458	No
						Zbtb8a	0.343578	3.66089	3.41348	0.344578	3.66189	3.40968596	0.00018329	No
						Zc3h11a	57.253	27.9554	-1.03422	57.254	27.9564	-1.0341979	0.00018329	No
						Zc3h12a	7.2298	11.487	0.667975	7.2308	11.488	0.66790048	0.0354586	No
						Zc3h12d	37.802	7.771	-2.28229	37.803	7.772	-2.2821429	0.00018329	No
						Zc3h15	81.6894	38.3906	-1.0894	81.6904	38.3916	-1.0893759	0.00018329	No
						Zc3h4	23.3896	12.6946	-0.881646	23.3906	12.6956	-0.8816003	0.00126492	No
						Zc3h7a	91.7961	29.9669	-1.61506	91.7971	29.9679	-1.6150306	0.00018329	No
						Zc4h2	7.19192	3.18731	-1.17404	7.19292	3.18831	-1.1737856	0.00018329	No
						Zcchc11	11.4402	4.33788	-1.39905	11.4412	4.33888	-1.3988438	0.00018329	No
						Zcchc12	0.336767	1.53459	2.18803	0.337767	1.53559	2.18469278	0.0026435	No
						Zcchc18	5.4461	0.259685	-4.39039	5.4471	0.260685	-4.3851089	0.00788539	No
						Zcchc2	23.9031	6.00158	-1.99378	23.9041	6.00258	-1.9936035	0.00018329	No
						Zcchc24	0.238709	0.814656	1.77093	0.239709	0.815656	1.76667675	0.00224282	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zcchc7	52.2229	23.451	-1.15504	52.2239	23.452	-1.1549992	0.00937155	No
						Zcchc8	28.6761	16.464	-0.800529	28.6771	16.465	-0.8004966	0.00603614	No
						Zcchc9	30.3691	16.8928	-0.846194	30.3701	16.8938	-0.8461578	0.00543198	No
						Zdhhc1	0.49142	26.3761	5.74613	0.49242	26.3771	5.74325279	0.00018329	No
						Zdhhc15	0.350338	3.62978	3.37306	0.351338	3.63078	3.36934799	0.0341877	No
						ZDHHC2	0.0983927	5.19146	5.72144	0.0993927	5.19246	5.70713449	0.00018329	No
						Zdhhc20	9.52482	6.02369	-0.661044	9.52582	6.02469	-0.6609563	0.0480627	No
						Zdhhc23	0.840354	6.3556	2.91896	0.841354	6.3566	2.91747046	0.00018329	No
						Zdhhc9	4.35115	7.54179	0.793508	4.35215	7.54279	0.79336998	0.0160313	No
						Zeb1	7.66384	2.31821	-1.72506	7.66484	2.31921	-1.7246222	0.00018329	No
						Zeb2	0.214474	1.33236	2.63511	0.215474	1.33336	2.62948065	0.00035173	No
						Zfand3	62.8287	35.1526	-0.837794	62.8297	35.1536	-0.8377743	0.00290302	No
						Zfand4	2.41177	4.43441	0.878651	2.41277	4.43541	0.87837707	0.0328513	No
						Zfand5	22.852	39.0037	0.771294	22.853	39.0047	0.77126441	0.00591487	No
						Zfand6	119.4	61.3284	-0.961179	119.401	61.3294	-0.9611642	0.00066911	No
						Zfat	49.0326	3.58766	-3.77262	49.0336	3.58866	-3.7722535	0.00018329	No
						Zfc3h1	52.8486	11.3818	-2.21513	52.8496	11.3828	-2.2150371	0.00018329	No
						Zfhx3	0.0523793	0.730224	3.80127	0.0533793	0.731224	3.77596113	0.00018329	No
						Zfp101	8.24722	1.52333	-2.43668	8.24822	1.52433	-2.4359075	0.00018329	No
						Zfp110	25.1051	10.783	-1.21922	25.1061	10.784	-1.2191455	0.00018329	No
						Zfp112	0.580487	1.44991	1.32063	0.581487	1.45091	1.31913919	0.0119236	No
						Zfp120	7.95348	2.83959	-1.4859	7.95448	2.84059	-1.485577	0.00018329	No
						Zfp128	4.54947	2.13147	-1.09385	4.55047	2.13247	-1.0934901	0.00469886	No
						Zfp13	0	0.78128	inf	0.001	0.78228	9.61154127	0.00018329	No
						Zfp131	27.9384	8.39715	-1.73428	27.9394	8.39815	-1.7341576	0.00018329	No
						Zfp142	16.3037	10.1871	-0.678458	16.3047	10.1881	-0.6784029	0.0197773	No
						Zfp143	9.85262	6.02353	-0.709897	9.85362	6.02453	-0.7098051	0.0172708	No
						Zfp157	6.93398	2.96908	-1.22367	6.93498	2.97008	-1.2233899	0.00140841	No
						Zfp167	0.271216	0.816893	1.5907	0.272216	0.817893	1.58716025	0.0139848	No
						Zfp169	2.86082	0.972388	-1.55682	2.86182	0.973388	-1.555846	0.00018329	No
						Zfp180	18.7348	12.7677	-0.553223	18.7358	12.7687	-0.5531859	0.0429385	No
						Zfp182	9.75099	5.4737	-0.833032	9.75199	5.4747	-0.8329167	0.00530972	No
						Zfp185	0.0416001	6.47177	7.28143	0.0426001	6.47277	7.24738261	0.00035173	No
						Zfp187	47.4825	12.8308	-1.88778	47.4835	12.8318	-1.8877027	0.00018329	No
						ZFP212	13.3978	6.29196	-1.09041	13.3988	6.29296	-1.0902931	0.00066911	No
						Zfp236	10.8431	3.55777	-1.60774	10.8441	3.55877	-1.6074597	0.00035173	No
						Zfp238	27.3309	8.01049	-1.77057	27.3319	8.01149	-1.7704433	0.00018329	No
						Zfp239	1.812	4.34819	1.26283	1.813	4.34919	1.26236781	0.0374015	No
						Zfp251	6.47913	3.73874	-0.793248	6.48013	3.73974	-0.7930848	0.0198773	No
						Zfp259	57.0932	27.734	-1.04166	57.0942	27.735	-1.0416365	0.00018329	No
						Zfp26	7.23563	2.41598	-1.58251	7.23663	2.41698	-1.5821125	0.00018329	No
						Zfp263	7.22365	4.26003	-0.761864	7.22465	4.26103	-0.7617255	0.0260458	No

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						Zfp275	5.59524	1.61904	-1.78907	5.59624	1.62004	-1.7884284	0.00018329	No
						Zfp280c	3.76193	1.41755	-1.40807	3.76293	1.41855	-1.4074394	0.00925991	No
						Zfp280d	20.6217	8.943	-1.20533	20.6227	8.944	-1.2052411	0.00238141	No
						Zfp281	7.47734	2.16969	-1.78504	7.47834	2.17069	-1.7845644	0.00018329	No
						Zfp282	2.64694	4.10622	0.633484	2.64794	4.10722	0.63329179	0.0485114	No
						Zfp287	5.7536	2.40946	-1.25575	5.7546	2.41046	-1.2554072	0.00732142	No
						Zfp292	11.1237	3.1702	-1.81099	11.1247	3.1712	-1.8106657	0.00018329	No
						Zfp3	12.6524	4.88745	-1.37226	12.6534	4.88845	-1.3720761	0.00018329	No
						Zfp316	0.892565	2.60584	1.54572	0.893565	2.60684	1.54465745	0.00018329	No
						Zfp317	8.8561	4.12812	-1.10119	8.8571	4.12912	-1.1010001	0.00035173	No
						Zfp346	5.47075	8.84925	0.693817	5.47175	8.85025	0.69371589	0.0309526	No
						Zfp354a	0.656287	9.94001	3.92085	0.657287	9.94101	3.91879708	0.00018329	No
						Zfp354b	0.11428	0.917374	3.00493	0.11528	0.918374	2.99393956	0.00579773	No
						Zfp354c	3.79318	1.15475	-1.71582	3.79418	1.15575	-1.7149588	0.00018329	No
						Zfp3612	485.118	111.825	-2.1171	485.119	111.826	-2.117083	0.00018329	No
						Zfp382	2.05865	0.668872	-1.6219	2.05965	0.669872	-1.6204418	0.00393885	No
						Zfp383	5.13707	2.71178	-0.921706	5.13807	2.71278	-0.9214545	0.0102693	No
						Zfp384	30.2402	18.175	-0.734512	30.2412	18.176	-0.7344806	0.00902869	No
						Zfp385b	0	5.67627	inf	0.001	5.67727	12.4709816	0.00018329	No
						Zfp385c	13.7965	1.97279	-2.80599	13.7975	1.97379	-2.8053665	0.0145263	No
						Zfp386	53.979	21.2054	-1.34797	53.98	21.2064	-1.3479252	0.00018329	No
						Zfp394	15.4439	6.08091	-1.34468	15.4449	6.08191	-1.3445342	0.00018329	No
						Zfp398	3.11908	1.48348	-1.07213	3.12008	1.48448	-1.0716254	0.0086849	No
						Zfp40	2.46104	0.585769	-2.07087	2.46204	0.586769	-2.0689896	0.00035173	No
						Zfp407	9.15621	3.51247	-1.38226	9.15721	3.51347	-1.3820115	0.00018329	No
						Zfp418	0.305184	0.819494	1.42505	0.306184	0.820494	1.42209389	0.00615197	No
						Zfp449	0	0.884872	inf	0.001	0.885872	9.79095445	0.00018329	No
						Zfp455	37.6697	12.8037	-1.55685	37.6707	12.8047	-1.5567694	0.00018329	No
						Zfp462	0.0576798	8.42858	7.19108	0.0586798	8.42958	7.16645299	0.00018329	No
						Zfp467	5.67488	13.1902	1.21681	5.67588	13.1912	1.21665982	0.00018329	No
						Zfp472	22.5295	4.63858	-2.28006	22.5305	4.63958	-2.2798132	0.00018329	No
						Zfp503	0.12897	23.9543	7.53711	0.12997	23.9553	7.52602242	0.00018329	No
						Zfp518a	5.30352	2.18818	-1.27722	5.30452	2.18918	-1.2768316	0.00018329	No
						Zfp523	4.81774	19.0439	1.9829	4.81874	19.0449	1.98267685	0.00018329	No
						Zfp54	52.5686	18.0436	-1.54271	52.5696	18.0446	-1.5426616	0.00018329	No
						Zfp574	3.15116	13.2988	2.07734	3.15216	13.2998	2.07699188	0.00018329	No
						Zfp592	11.1298	6.59882	-0.754141	11.1308	6.59982	-0.7540587	0.00494262	No
						Zfp597	5.05884	1.33725	-1.91953	5.05984	1.33825	-1.9187441	0.00018329	No
						Zfp606	18.2507	8.15653	-1.16193	18.2517	8.15753	-1.1618266	0.0150649	No
						Zfp608	1.43415	4.55949	1.66867	1.43515	4.56049	1.66798731	0.00290302	No
						Zfp612	1.34494	4.88972	1.86221	1.34594	4.89072	1.86143277	0.00018329	No
						Zfp618	0	1.75978	inf	0.001	1.76078	10.7819989	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp626	2.45997	0.862899	-1.51138	2.46097	0.863899	-1.5102925	0.00082046	No
						Zfp628	7.08279	3.16102	-1.16393	7.08379	3.16202	-1.163675	0.00066911	No
						Zfp654	8.44773	2.9592	-1.51336	8.44873	2.9602	-1.5130398	0.00018329	No
						Zfp664	5.69365	18.2424	1.67987	5.69465	18.2434	1.67969555	0.00051281	No
						Zfp668	4.82077	2.67315	-0.850721	4.82177	2.67415	-0.8504824	0.0338104	No
						Zfp68	12.7497	6.34214	-1.00743	12.7507	6.34314	-1.0073074	0.00018329	No
						Zfp691	3.115	11.378	1.86894	3.116	11.379	1.86860664	0.00018329	No
						Zfp709	7.0176	2.11394	-1.73104	7.0186	2.11494	-1.7305665	0.00018329	No
						Zfp715	17.9498	4.64438	-1.95041	17.9508	4.64538	-1.9501796	0.00018329	No
						Zfp740	30.5015	13.87	-1.13691	30.5025	13.871	-1.1368557	0.00251301	No
						Zfp746	14.0454	8.552	-0.715767	14.0464	8.553	-0.715698	0.0217091	No
						Zfp768	0.278274	9.99631	5.16682	0.279274	9.99731	5.16178679	0.00018329	No
						Zfp775	6.12564	14.2615	1.21919	6.12664	14.2625	1.2190589	0.00035173	No
						Zfp777	17.2611	9.54323	-0.854972	17.2621	9.54423	-0.8549073	0.00567465	No
						Zfp788	12.7695	5.44058	-1.23087	12.7705	5.44158	-1.2307175	0.0076683	No
						Zfp799	3.0274	1.55641	-0.959854	3.0284	1.55741	-0.959407	0.00822601	No
						Zfp800	15.6959	3.4759	-2.17493	15.6969	3.4769	-2.1746062	0.00018329	No
						Zfp821	10.6462	22.579	1.08465	10.6472	22.58	1.08457141	0.00154856	No
						Zfp830	19.1997	11.2336	-0.773265	19.2007	11.2346	-0.7732101	0.0146209	No
						Zfp84	7.54557	4.36194	-0.790661	7.54657	4.36294	-0.7905204	0.00543198	No
						Zfp85	3.50887	0.982772	-1.83608	3.50987	0.983772	-1.8350217	0.00224282	No
						Zfp850	3.89051	1.64265	-1.24393	3.89151	1.64365	-1.2434269	0.00469886	No
						Zfp853	0.172981	1.38258	2.99868	0.173981	1.38358	2.9914044	0.00303839	No
						Zfp862	3.86443	0.758767	-2.34853	3.86543	0.759767	-2.347	0.00018329	No
						Zfp866	5.2634	2.217	-1.24739	5.2644	2.218	-1.2470097	0.00126492	No
						Zfp867	0.192267	0.812178	2.07869	0.193267	0.813178	2.07297586	0.0317095	No
						Zfp868	88.0693	24.8613	-1.82474	88.0703	24.8623	-1.8246958	0.00018329	No
						ZFP87	13.8391	6.52503	-1.0847	13.8401	6.52603	-1.0845768	0.00097029	No
						Zfp870	0.274342	1.91614	2.80416	0.275342	1.91714	2.7996591	0.00018329	No
						Zfp871	12.3427	5.02715	-1.29584	12.3437	5.02815	-1.2956753	0.00018329	No
						Zfp873	4.15491	1.59496	-1.3813	4.15591	1.59596	-1.3807399	0.0194611	No
						Zfp882	2.65387	1.26669	-1.06703	2.65487	1.26769	-1.0664392	0.0183081	No
						Zfp94	6.43255	3.51605	-0.871436	6.43355	3.51705	-0.8712492	0.0153859	No
						Zfp943	8.70824	3.23264	-1.42967	8.70924	3.23364	-1.4293878	0.0063852	No
						Zfp956	9.22664	2.34788	-1.97444	9.22764	2.34888	-1.9739887	0.00018329	No
						Zfp961	4.2619	2.12244	-1.00577	4.2629	2.12344	-1.0054319	0.0127876	No
						Zfpm1	22.7998	10.7978	-1.07828	22.8008	10.7988	-1.0782134	0.00018329	No
						Zfx	14.1011	5.77538	-1.28782	14.1021	5.77638	-1.2876725	0.00018329	No
						Zfyve16	1.01018	4.64341	2.20058	1.01118	4.64441	2.1994555	0.00018329	No
						Zfyve21	3.228	38.0038	3.55743	3.229	38.0048	3.5570223	0.00018329	No
						Zfyve9	0.070625	4.12259	5.86723	0.071625	4.12359	5.84729385	0.00018329	No
						Zim1	0	0.896933	inf	0.001	0.897933	9.81046399	0.00018329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zkscan4	0	0.978476	inf	0.001	0.979476	9.93586633	0.00018329	No
						Zmym1	17.9164	7.26029	-1.30318	17.9174	7.26129	-1.3030635	0.00018329	No
						Zmym2	28.145	11.006	-1.35459	28.146	11.007	-1.3545086	0.00018329	No
						Zmynd15	0.0660398	8.43082	6.99619	0.0670398	8.43182	6.97468241	0.00822601	No
						Zmynd8	46.4291	27.3463	-0.763682	46.4301	27.3473	-0.763662	0.0121287	No
						Znhit1	34.911	74.0729	1.08526	34.912	74.0739	1.08524229	0.0487801	No
						Znrd1	117.57	62.242	-0.917554	117.571	62.243	-0.9175487	0.0036827	No
						Znrf2	40.1164	13.1212	-1.61229	40.1174	13.1222	-1.6122185	0.00018329	No
						Zp4	0	0.704744	inf	0.001	0.705744	9.46300115	0.00018329	No
						Zrsr2	24.6533	15.2088	-0.696875	24.6543	15.2098	-0.6968381	0.0333394	No
						ZSCAN12	3.80934	9.80901	1.36457	3.81034	9.81001	1.36433487	0.00051281	No
						Zscan20	1.05382	2.7634	1.39081	1.05482	2.7644	1.38996955	0.00097029	No
						Zscan21	4.93766	8.71385	0.819484	4.93866	8.71485	0.81935618	0.0486948	No
						Zscan22	5.19626	2.82851	-0.877432	5.19726	2.82951	-0.877199	0.010379	No
						Zswim6	15.2498	5.37507	-1.50443	15.2508	5.37607	-1.5042611	0.0086849	No
						Zufsp	39.2837	23.022	-0.770917	39.2847	23.023	-0.7708917	0.0460114	No
						Zw10	12.5074	7.13849	-0.809089	12.5084	7.13949	-0.8090043	0.00834357	No
						Zzef1	12.3276	5.51496	-1.16048	12.3286	5.51596	-1.1603251	0.00018329	No
						Zzz3	19.5078	9.48796	-1.03988	19.5088	9.48896	-1.0398032	0.0063852	No

Figure 3C CRLS

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
42986	0.097982	0.027279	-0.070703	0.00047568	Yes	42986	0.0731072	21.4235	8.19496	0.0741072	21.4245	8.1754321	0.00014629	Yes
42987	0.7161	0.032604	-0.683496	1.63E-09	Yes	42987	261.022	40.4962	-2.68831	261.023	40.4972	-2.6882829	0.00014629	Yes
Abcc8	0.11053	0.014335	-0.096195	1.12E-06	Yes	Abcc8	0	3.37213	inf	0.001	3.37313	11.7198722	0.00014629	Yes
Abhd14a	0.14826	0.014664	-0.133596	2.65E-11	Yes	Abhd14a	2.35408	87.1499	5.21026	2.35508	87.1509	5.20966759	0.00014629	Yes
Abhd8	0.30123	0.12544	-0.17579	0.0027754	Yes	Abhd8	5.05203	14.8269	1.55328	5.05303	14.8279	1.55309364	0.00014629	Yes
Acbd4	0.84939	0.075115	-0.774275	1.69E-12	Yes	Acbd4	10.2701	96.6158	3.23382	10.2711	96.6168	3.23368337	0.00014629	Yes
Acer2	0.25743	0.10149	-0.15594	0.00076943	Yes	Acer2	0.058954	10.2969	7.4484	0.059954	10.2979	7.42427844	0.00014629	Yes
Acot12	0.58489	0.083502	-0.501388	3.61E-07	Yes	Acot12	0	1.78534	inf	0.001	1.78634	10.802791	0.00014629	Yes
Acy3	0.21095	0.017141	-0.193809	5.68E-07	Yes	Acy3	0.63484	238.441	8.55302	0.63584	238.442	8.55075889	0.00014629	Yes
Adam15	0.68143	0.088017	-0.593413	1.61E-12	Yes	Adam15	0.154797	11.777	6.24945	0.155797	11.778	6.24028332	0.00285806	Yes
Adam19	0.13369	0.052908	-0.080782	0.0030913	Yes	Adam19	72.566	0.861559	-6.3962	72.567	0.862559	-6.3945467	0.00014629	Yes
Adamts15	0.12772	0.013215	-0.114505	9.67E-08	Yes	Adamts15	0	2.2128	inf	0.001	2.2138	11.1123092	0.00014629	Yes
Adamts5	0.13969	0.052022	-0.087668	0.00051431	Yes	Adamts5	0	11.2542	inf	0.001	11.2552	13.4583041	0.00014629	Yes
Adcy3	0.10573	0.01555	-0.09018	5.90E-08	Yes	Adcy3	12.2412	0.370198	-5.0473	12.2422	0.371198	-5.0435301	0.0102511	Yes
Adora2a	0.5196	0.094887	-0.424713	4.59E-07	Yes	Adora2a	9.26299	1.46839	-2.65724	9.26399	1.46939	-2.6564163	0.00014629	Yes
Adprhl2	0.85179	0.6633	-0.18849	0.00130689	Yes	Adprhl2	23.3116	34.8853	0.581571	23.3126	34.8863	0.58155068	0.0137192	Yes
Adra2b	0.070571	0.0067331	-0.0638379	2.70E-09	Yes	Adra2b	0	3.94377	inf	0.001	3.94477	11.9457255	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Aes	0.0020015	0.32484	0.3228385	3.61E-07	Yes	Aes	208.753	301.896	0.532258	208.754	301.897	0.53225258	0.00864487	Yes
Aff3	0.95426	0.59916	-0.3551	4.32E-09	Yes	Aff3	13.2707	1.44624	-3.19786	13.2717	1.44724	-3.1969771	0.00014629	Yes
Agap2	0.86095	0.083335	-0.777615	1.61E-12	Yes	Agap2	20.886	2.12857	-3.29458	20.887	2.12957	-3.2939712	0.00014629	Yes
Agmat	0.73351	0.10767	-0.62584	1.85E-09	Yes	Agmat	0	80.4975	inf	0.001	80.4985	16.2966743	0.00533979	Yes
Agtr1a	0.065697	0.0079654	-0.0577316	5.68E-07	Yes	Agtr1a	0	4.07786	inf	0.001	4.07886	11.9939503	0.00014629	Yes
Akap12	0.76573	0.27129	-0.49444	5.25E-05	Yes	Akap12	0.299409	29.8386	6.63892	0.300409	29.8396	6.63415635	0.00014629	Yes
Akr7a3	0.11087	0.0083184	-0.1025516	5.23E-07	Yes	Akr7a3	2.49069	396.258	7.31375	2.49169	396.259	7.3131753	0.016608	Yes
Aldh1a2	0.065071	0.0098857	-0.0551853	0.00021752	Yes	Aldh1a2	0	9.82461	inf	0.001	9.82561	13.2623313	0.00014629	Yes
Aldoa	0.62633	0.20752	-0.41881	1.05E-06	Yes	Aldoa	133.66	986.908	2.88435	133.661	986.909	2.88433849	0.00014629	Yes
Amn	0.13304	0.018169	-0.114871	2.10E-06	Yes	Amn	0.133107	154.644	10.1822	0.134107	154.645	10.1713599	0.00533979	Yes
Amotl2	0.14948	0.01617	-0.13331	2.08E-10	Yes	Amotl2	0.187199	52.858	8.14141	0.188199	52.859	8.13374636	0.00028114	Yes
Ank3	0.77247	0.1137	-0.65877	1.63E-09	Yes	Ank3	0.157216	45.3559	8.17239	0.158216	45.3569	8.16328273	0.00014629	Yes
Ankra2	0.13311	0.031828	-0.101282	4.32E-09	Yes	Ankra2	15.8475	8.11929	-0.964829	15.8485	8.12029	-0.9647431	0.00102864	Yes
Ankrd33b	0.067092	2.50E-07	-0.0670918	0.00039347	Yes	Ankrd33b	0.320499	9.42627	4.87829	0.321499	9.42727	4.87395389	0.00053701	Yes
Anxa6	0.0047445	0.095454	0.0907095	0.00293459	Yes	Anxa6	193.476	57.3913	-1.75325	193.477	57.3923	-1.753233	0.00014629	Yes
Ap1m2	0.56914	0.086897	-0.482243	1.61E-12	Yes	Ap1m2	0.746351	35.736	5.58138	0.747351	35.737	5.57948874	0.00014629	Yes
Aph1b	0.082648	0.014933	-0.067715	6.76E-05	Yes	Aph1b	32.2338	13.5457	-1.25074	32.2348	13.5467	-1.2506776	0.00014629	Yes
Apobec3b	0.057361	0.14684	0.089479	0.00157493	Yes	Apobec3b	12.2841	1.61235	-2.92955	12.2851	1.61335	-2.9287782	0.00014629	Yes
Apoe	0.070991	0.011997	-0.058994	2.63E-05	Yes	Apoe	11.4593	339.118	4.88719	11.4603	339.119	4.8870749	0.00014629	Yes
Arf6	0.32686	0.088683	-0.238177	0.03210797	Yes	Arf6	194.066	54.1065	-1.84267	194.067	54.1075	-1.8426543	0.00014629	Yes
Arfgap1	0.39051	0.098269	-0.292241	7.90E-07	Yes	Arfgap1	26.4435	40.8476	0.627337	26.4445	40.8486	0.62731894	0.00374149	Yes
Arhgap25	0	0.3236	0.3236	0.00082506	Yes	Arhgap25	42.6369	5.44337	-2.96953	42.6379	5.44437	-2.9692994	0.00014629	Yes
Arhgef15	0.62398	0.12644	-0.49754	3.20E-09	Yes	Arhgef15	0.25028	16.3765	6.03194	0.25128	16.3775	6.02627549	0.00014629	Yes
Arhgef16	0.14541	0.060632	-0.084778	0.02954396	Yes	Arhgef16	0.016813	15.2187	9.82205	0.017813	15.2197	9.7387937	0.0319849	Yes
Arhgef2	0.0016556	0.14262	0.1409644	3.61E-07	Yes	Arhgef2	24.923	13.1657	-0.920696	24.924	13.1667	-0.9206418	0.00014629	Yes
Arhgef25	0.11686	0.4062	0.28934	0.0017172	Yes	Arhgef25	0.318731	6.49336	4.34856	0.319731	6.49436	4.34425682	0.00618538	Yes
Arhgef3	0.0025664	0.15313	0.1505636	4.26E-07	Yes	Arhgef3	88.7794	12.9671	-2.77537	88.7804	12.9681	-2.7752741	0.00014629	Yes
Arhgef40	0.082052	0.0063493	-0.0757027	0.00226691	Yes	Arhgef40	0.186477	10.7799	5.85321	0.187477	10.7809	5.8456202	0.00014629	Yes
Arl4d	0.41776	0.083136	-0.334624	1.61E-12	Yes	Arl4d	3.02456	49.8593	4.04306	3.02556	49.8603	4.04261746	0.00014629	Yes
Arvcf	0.13473	0.0093865	-0.1253435	1.80E-06	Yes	Arvcf	1.85105	23.4783	3.66491	1.85205	23.4793	3.66419444	0.00014629	Yes
Asb2	0.80492	0.13391	-0.67101	2.62E-08	Yes	Asb2	1.47453	28.5087	4.27308	1.47553	28.5097	4.2721477	0.00014629	Yes
Atmin	0.3066	0.13607	-0.17053	1.61E-12	Yes	Atmin	8.59836	5.5434	-0.63329	8.59936	5.5444	-0.6331979	0.00934853	Yes
Atp11a	0.069445	0.0086397	-0.0608053	1.15E-05	Yes	Atp11a	10.2855	83.0116	3.0127	10.2865	83.0126	3.01257815	0.00014629	Yes
Atp2a3	2.00E-07	0.051959	0.0519588	0.00389713	Yes	Atp2a3	99.1926	20.3481	-2.28534	99.1936	20.3491	-2.2852821	0.00014629	Yes
Atp5g1	0.28769	0.026252	-0.261438	1.11E-08	Yes	Atp5g1	81.6206	835.544	3.35571	81.6216	835.545	3.35569463	0.00014629	Yes
Atp5g2	0.2815	0.068281	-0.213219	6.26E-05	Yes	Atp5g2	437.432	592.875	0.43867	437.433	592.876	0.43866834	0.0284321	Yes
Atp6v1c2	0.14077	0.074831	-0.065939	0.00049782	Yes	Atp6v1c2	1.78469	22.8705	3.67974	1.78569	22.8715	3.67899743	0.00014629	Yes
Auh	0.8307	0.56515	-0.26555	8.78E-05	Yes	AUH	24.1712	82.3013	1.76762	24.1722	82.3023	1.76758396	0.00014629	Yes
Axin2	0.0072961	0.059222	0.0519259	0.00088718	Yes	Axin2	26.2459	0.811792	-5.01484	26.2469	0.812792	-5.013117	0.0100448	Yes
B3gnt7	0.28721	0.11681	-0.1704	0.00023951	Yes	B3gnt7	0.69745	4.5918	2.7189	0.69845	4.5928	2.71714521	0.00014629	Yes
B9d1	0.07272	0.0098291	-0.0628909	8.52E-05	Yes	B9d1	0.911475	10.361	3.50682	0.912475	10.362	3.50537365	0.00161718	Yes
Bag3	0.36748	0.037176	-0.330304	1.27E-07	Yes	Bag3	17.2845	30.931	0.839573	17.2855	30.932	0.83953778	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Bcat2	0.41274	0.12642	-0.28632	0.00259554	Yes	Bcat2	14.0469	55.071	1.97104	14.0479	55.072	1.97096452	0.00014629	Yes
Bckdk	0.94626	0.27799	-0.66827	3.61E-07	Yes	Bckdk	44.808	121.355	1.43741	44.809	121.356	1.437385	0.00014629	Yes
Bcor	0.013513	0.31019	0.296677	0.00033082	Yes	Bcor	6.70582	3.39245	-0.983085	6.70682	3.39345	-0.9828761	0.00014629	Yes
Begain	0.061697	0.009281	-0.052416	0.00357821	Yes	Begain	3.29344	1.1442	-1.52526	3.29444	1.1452	-1.5244337	0.00296747	Yes
Bhmt	0.77199	0.33124	-0.44075	1.72E-11	Yes	Bhmt	0.452216	16.2392	5.16633	0.453216	16.2402	5.1632268	0.00014629	Yes
Bmp2	0.0824	0.021375	-0.061025	1.73E-05	Yes	Bmp2	0	1.28297	inf	0.001	1.28397	10.3263958	0.00730705	Yes
Bmp7	0.062671	0.0072487	-0.0554223	2.26E-06	Yes	Bmp7	2.69627	26.9319	3.32028	2.69727	26.9329	3.31979773	0.00014629	Yes
Btbd3	0.78833	0.033239	-0.755091	1.63E-09	Yes	Btbd3	0.924974	4.10522	2.14997	0.925974	4.10622	2.14876733	0.00014629	Yes
C1qtnf3	0.71978	0.12955	-0.59023	7.44E-07	Yes	C1qtnf3	0	5.47247	inf	0.001	5.47347	12.41824	0.00014629	Yes
C1r	0.50809	0.22454	-0.28355	0.00803385	Yes	C1r	0.318656	2.53344	2.99102	0.319656	2.53444	2.98707493	0.00126596	Yes
Cabp7	0.038771	0.015753	-0.023018	0.00119585	Yes	Cabp7	1.3727	3.96348	1.52975	1.3737	3.96448	1.52906468	0.0284321	Yes
Cactin	0.80656	0.64676	-0.1598	0.00095974	Yes	Cactin	30.879	14.5115	-1.08943	30.88	14.5125	-1.0893767	0.00014629	Yes
Cadm4	0.28853	0.49233	0.2038	0.00021752	Yes	Cadm4	0	2.87478	inf	0.001	2.87578	11.4897376	0.00014629	Yes
Camk2n1	0.3376	0.12055	-0.21705	0.00063283	Yes	Camk2n1	2.41818	187.855	6.27955	2.41918	187.856	6.27896527	0.00028114	Yes
Car3	0.12908	0.020073	-0.109007	5.68E-07	Yes	Car3	0	2.99564	inf	0.001	2.99664	11.5491301	0.00014629	Yes
Car4	0.10127	0.019981	-0.081289	3.03E-05	Yes	Car4	0	87.0787	inf	0.001	87.0797	16.4100488	0.00014629	Yes
Card10	0.90896	0.21481	-0.69415	3.61E-07	Yes	Card10	0.0416845	50.5456	10.2439	0.0426845	50.5466	10.2096861	0.00066215	Yes
Casr	0.12514	0.025532	-0.099608	9.67E-08	Yes	Casr	0	8.62489	inf	0.001	8.62589	13.0744576	0.00014629	Yes
Cbx2	0.0017991	0.11125	0.1094509	0.00063283	Yes	Cbx2	21.3109	1.86216	-3.51654	21.3119	1.86316	-3.5158357	0.00014629	Yes
Ccbl1	0.70742	0.49264	-0.21478	0.00014495	Yes	Ccbl1	28.5099	252.933	3.14922	28.5109	252.934	3.14917549	0.00014629	Yes
Ccdc64b	0.13772	0.037222	-0.100498	8.95E-06	Yes	Ccdc64b	0.443773	5.45025	3.61843	0.444773	5.45125	3.61544597	0.00014629	Yes
Ccl27	0.20018	0.023902	-0.176278	6.94E-09	Yes	Ccl27	0.0145023	15.6115	10.0721	0.0155023	15.6125	9.97600358	0.0340023	Yes
Cd151	0.77956	0.14532	-0.63424	1.61E-12	Yes	Cd151	0.633381	3.93606	2.63561	0.634381	3.93706	2.63369723	0.00014629	Yes
Cd164l2	0.58885	0.15094	-0.43791	3.61E-07	Yes	Cd164l2	7.46526	2.40571	-1.63373	7.46626	2.40671	-1.6333234	0.0360576	Yes
Cd37	0.010505	0.58537	0.574865	3.61E-07	Yes	Cd37	400.121	28.0534	-3.83419	400.122	28.0544	-3.834141	0.00014629	Yes
Cd38	0	0.086833	0.086833	2.66E-05	Yes	Cd38	89.8692	2.16689	-5.37413	89.8702	2.16789	-5.3734794	0.00944816	Yes
Cd48	0.00028412	0.06705	0.06676588	0.03595682	Yes	Cd48	180.974	32.6723	-2.46964	180.975	32.6733	-2.4696063	0.00014629	Yes
Cd8a	0.52218	0.67527	0.15309	0.00655153	Yes	Cd8a	422.239	43.5444	-3.2775	422.24	43.5454	-3.277471	0.00014629	Yes
Cdh3	0.51101	0.014369	-0.496641	4.05E-07	Yes	Cdh3	0	4.46533	inf	0.001	4.46633	12.1248741	0.00014629	Yes
Cdkn1c	0.12504	0.038532	-0.086508	2.56E-07	Yes	Cdkn1c	0.803272	2.55936	1.67182	0.804272	2.56036	1.67059128	0.027611	Yes
Cebpa	0.080753	0.0045455	-0.0762075	0.00357821	Yes	Cebpa	0.186625	7.75077	5.37613	0.187625	7.75177	5.36860179	0.00576532	Yes
Cebpb	0.26969	0.024567	-0.245123	6.26E-05	Yes	Cebpb	6.4684	71.0827	3.45802	6.4694	71.0837	3.45781496	0.00014629	Yes
Celsr2	0.06849	0.010606	-0.057884	0.002433	Yes	Celsr2	2.10354	37.5021	4.15608	2.10454	37.5031	4.15543302	0.00014629	Yes
Cep112	0.32741	0.044987	-0.282423	8.52E-05	Yes	Cep112	0.206794	2.64544	3.67724	0.207794	2.64644	3.67082704	0.00307875	Yes
Cers4	0.0021101	0.12301	0.1208999	1.63E-09	Yes	Cers4	5.54016	1.72096	-1.68671	5.54116	1.72196	-1.6861364	0.00014629	Yes
Cflar	0.81869	0.13138	-0.68731	5.76E-10	Yes	CFLAR	105.457	38.3703	-1.45859	105.458	38.3713	-1.458569	0.00014629	Yes
Chmp4bl1	0.37367	0.051207	-0.322463	1.61E-12	Yes	Chmp4bl1	179.126	93.3501	-0.940248	179.127	93.3511	-0.9402439	0.00014629	Yes
Ciao1	0.4158	0.25306	-0.16274	0.00092018	Yes	Ciao1	17.731	38.4083	1.11515	17.732	38.4093	1.1151004	0.00014629	Yes
Ckap4	0.82986	0.17429	-0.65557	4.65E-06	Yes	Ckap4	1.51312	11.4488	2.91961	1.51412	11.4498	2.91877094	0.00014629	Yes
Ckb	0.28005	0.13598	-0.14407	0.03705648	Yes	Ckb	4.43448	197.99	5.48052	4.43548	197.991	5.4802008	0.00014629	Yes
Cldn1	0.098626	0.033673	-0.064953	0.00020994	Yes	Cldn1	0	10.3478	inf	0.001	10.3488	13.3371759	0.00014629	Yes
Cldn7	0.017915	0.18418	0.166265	0.0179568	Yes	Cldn7	0	37.4661	inf	0.001	37.4671	15.1933367	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cmb1	0.59037	0.085969	-0.504401	9.66E-07	Yes	Cmb1	0.875962	176.918	7.65799	0.876962	176.919	7.65635895	0.00066215	Yes
Cmtm8	0.076764	0.014999	-0.061765	0.00389713	Yes	Cmtm8	0.798742	10.6761	3.74051	0.799742	10.6771	3.73884138	0.0335581	Yes
Cndp2	0.2483	0.027119	-0.221181	4.88E-08	Yes	Cndp2	13.1737	250.41	4.24856	13.1747	250.411	4.24845592	0.00014629	Yes
Cnnm2	0.5819	0.090075	-0.491825	4.70E-09	Yes	Cnnm2	0.64436	7.38001	3.51768	0.64536	7.38101	3.51564218	0.00014629	Yes
Col16a1	0.347	0.031672	-0.315328	1.61E-12	Yes	Col16a1	0	2.32057	inf	0.001	2.32157	11.1808851	0.00014629	Yes
Col18a1	0.099644	0.02031	-0.079334	0.00039347	Yes	Col18a1	0.0731062	94.9098	10.3423	0.0741062	94.9108	10.3227623	0.00014629	Yes
Col27a1	0.29926	0.038175	-0.261085	2.08E-10	Yes	Col27a1	0.473398	79.4857	7.3915	0.474398	79.4867	7.38847175	0.00014629	Yes
Coq2	0.13192	0.032595	-0.099325	3.66E-07	Yes	Coq2	7.35172	42.629	2.53568	7.35272	42.63	2.5355191	0.00014629	Yes
Coro6	0.36901	0.12959	-0.23942	0.00343039	Yes	Coro6	0.747051	5.32785	2.83428	0.748051	5.32885	2.83261569	0.00014629	Yes
Cplx3	0.089097	0.034335	-0.054762	0.00033082	Yes	Cplx3	0.087146	1.66393	4.25502	0.088146	1.66493	4.23942261	0.00448672	Yes
Cpt1b	0.78151	0.15958	-0.62193	6.57E-07	Yes	Cpt1b	1.9887	5.30176	1.41465	1.9897	5.30276	1.41419253	0.00041099	Yes
Crb3	0.13559	0.020639	-0.114951	0.00039347	Yes	Crb3	0.332246	51.572	7.27819	0.333246	51.573	7.2738846	0.00014629	Yes
Crip1	0.013321	0.47397	0.460649	4.91E-09	Yes	Crip1	608.096	98.8833	-2.6205	608.097	98.8843	-2.6204881	0.00014629	Yes
Crip2	0.17936	0.018416	-0.160944	2.53E-08	Yes	Crip2	0.849929	126.627	7.21903	0.850929	126.628	7.21734197	0.00014629	Yes
Crlf2	0.025238	0.18711	0.161872	5.25E-05	Yes	Crlf2	18.5989	11.7418	-0.663568	18.5999	11.7428	-0.6635184	0.0304953	Yes
Crmp1	0.067525	0.01153	-0.055995	0.00021752	Yes	Crmp1	6.09566	0.27188	-4.48674	6.09666	0.27288	-4.4816805	0.00090728	Yes
Crnk1	0.40595	0.16285	-0.2431	1.63E-09	Yes	Crnk1	15.5637	7.34448	-1.08345	15.5647	7.34548	-1.0833491	0.00014629	Yes
Crygs	0.79144	0.061821	-0.729619	3.61E-07	Yes	Crygs	0.452254	5.19259	3.52125	0.453254	5.19359	3.51834047	0.00974684	Yes
Ctgf	0.81099	0.57848	-0.23251	0.00165151	Yes	Ctgf	0	21.1564	inf	0.001	21.1574	14.3688747	0.00014629	Yes
Ctsa	0.23357	0.025845	-0.207725	0.00057442	Yes	Ctsa	127.239	366.719	1.52713	127.24	366.72	1.52712667	0.00014629	Yes
Ctnn	0.52133	0.0065984	-0.5147316	1.63E-09	Yes	Ctnn	0.0171912	1.08782	5.98363	0.0181912	1.08882	5.90338095	0.0497484	Yes
Cwc27	0.29402	0.15218	-0.14184	3.61E-07	Yes	Cwc27	16.8165	113.431	2.75387	16.8175	113.432	2.75379253	0.00014629	Yes
Cx3cl1	0.76526	0.024379	-0.740881	1.63E-09	Yes	Cx3cl1	0	17.2529	inf	0.001	17.2539	14.0746349	0.00014629	Yes
Cxxc5	0.5933	0.24631	-0.34699	2.70E-09	Yes	CXXC5	17.4937	76.7534	2.1334	17.4947	76.7544	2.13333153	0.00014629	Yes
Cybb	0.04262	0.69849	0.65587	3.61E-07	Yes	Cybb	5.94742	4.05429	-0.552815	5.94842	4.05529	-0.5527014	0.0425528	Yes
Cyld	0.87279	0.75138	-0.12141	0.02065846	Yes	Cyld	28.9656	5.37657	-2.42958	28.9666	5.37757	-2.4293641	0.00014629	Yes
Cyp24a1	0.081963	0.0309	-0.051063	0.02194182	Yes	Cyp24a1	0	3.25107	inf	0.001	3.25207	11.6671426	0.00014629	Yes
Cyth2	0.95779	0.26151	-0.69628	6.20E-11	Yes	Cyth2	42.8314	78.5976	0.875816	42.8324	78.5986	0.8758011	0.00028114	Yes
Dab2ip	0.72257	0.36097	-0.3616	0.00092018	Yes	Dab2ip	0.15625	13.9833	6.48371	0.15725	13.9843	6.47460421	0.00014629	Yes
Dact2	0.13019	0.018111	-0.112079	5.60E-12	Yes	Dact2	0	15.5306	inf	0.001	15.5316	13.9229188	0.00014629	Yes
Dcxr	0.71679	0.065341	-0.651449	1.61E-12	Yes	Dcxr	9.89177	411.488	5.37848	9.89277	411.489	5.37833552	0.00014629	Yes
Ddah2	0.69264	0.31891	-0.37373	1.86E-07	Yes	Ddah2	0.13885	86.8375	9.28865	0.13985	86.8385	9.27831074	0.031283	Yes
Ddr1	0.7146	0.071559	-0.643041	5.23E-07	Yes	Ddr1	0.0245799	17.8034	9.50046	0.0255799	17.8044	9.44300748	0.00014629	Yes
Ddx54	0.95342	0.29732	-0.6561	3.41E-06	Yes	Ddx54	26.8196	14.4523	-0.891983	26.8206	14.4533	-0.8919426	0.00014629	Yes
Ddx6	0.31063	0.036118	-0.274512	1.61E-12	Yes	Ddx6	88.6571	9.5528	-3.21424	88.6581	9.5538	-3.2141059	0.00014629	Yes
Dgat1	0.063408	0	-0.063408	4.44E-05	Yes	Dgat1	2.31385	15.5823	2.75154	2.31485	15.5833	2.75101016	0.00014629	Yes
Dhcr24	0.36702	0.072444	-0.294576	1.73E-12	Yes	Dhcr24	11.9136	28.7276	1.26982	11.9146	28.7286	1.26975717	0.00014629	Yes
Dleu7	0.074432	0.019213	-0.055219	0.02194182	Yes	Dleu7	0	9.14941	inf	0.001	9.15041	13.1596207	0.00014629	Yes
Dlgap4	0.28875	0.14172	-0.14703	0.00500595	Yes	Dlgap4	15.8806	27.5926	0.797013	15.8816	27.5936	0.79697743	0.00028114	Yes
Dll4	0.036918	0.12542	0.088502	5.25E-05	Yes	Dll4	0	1.4003	inf	0.001	1.4013	10.4525501	0.00014629	Yes
Dmrt2	0.1401	0.017984	-0.122116	2.88E-05	Yes	Dmrt2	0	2.79397	inf	0.001	2.79497	11.4486171	0.00014629	Yes
Dnajb5	0.5097	0.034515	-0.475185	1.92E-08	Yes	Dnajb5	4.28585	7.76037	0.856544	4.28685	7.76137	0.8563934	0.00459197	Yes

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Dnmt3a	0.050918	0.23974	0.188822	0.00057442	Yes	Dnmt3a	20.7462	3.61121	-2.52229	20.7472	3.61221	-2.521963	0.00014629	Yes
Dock1	0.15391	0.0023998	-0.1515102	3.02E-06	Yes	Dock1	0.195274	26.7011	7.09525	0.196274	26.7021	7.08794032	0.00028114	Yes
Dock9	0.1212	0.018802	-0.102398	0.00033082	Yes	Dock9	2.18655	15.3309	2.80971	2.18755	15.3319	2.8091486	0.00014629	Yes
Dohh	0.069933	0.0091894	-0.0607436	0.00226691	Yes	Dohh	13.0165	33.9817	1.38442	13.0175	33.9827	1.38434808	0.00014629	Yes
Dok2	0.19113	0.67448	0.48335	9.03E-12	Yes	Dok2	108.01	8.85159	-3.60909	108.011	8.85259	-3.6089348	0.00014629	Yes
Dok3	0.69783	0.4477	-0.25013	0.0053408	Yes	Dok3	3.79836	12.2928	1.69437	3.79936	12.2938	1.6941026	0.00014629	Yes
Dok4	0.089017	0.01105	-0.077967	6.30E-06	Yes	Dok4	0.164009	9.02537	5.78214	0.165009	9.02637	5.7735293	0.00618538	Yes
Dolk	0.26737	0.082122	-0.185248	0.02194182	Yes	Dolk	1.29494	10.7511	3.05352	1.29594	10.7521	3.05254763	0.00014629	Yes
Dpys	0.57928	0.11727	-0.46201	5.23E-07	Yes	Dpys	0	47.4611	inf	0.001	47.4621	15.5344883	0.00014629	Yes
Dtx4	0.0010417	0.069391	0.0683493	0.0030913	Yes	Dtx4	0.537395	2.62173	2.28647	0.538395	2.62273	2.28433238	0.0310191	Yes
Duoxa1	0.21755	0.05804	-0.15951	0.01079042	Yes	Duoxa1	0	1.05153	inf	0.001	1.05253	10.0396456	0.00014629	Yes
Dusp14	0.19557	0.042773	-0.152797	1.77E-11	Yes	Dusp14	0.456434	2.31829	2.34458	0.457434	2.31929	2.34204772	0.00954394	Yes
Dusp3	0.23387	0.056585	-0.177285	0.004217	Yes	Dusp3	7.59341	21.3369	1.49053	7.59441	21.3379	1.49040841	0.00014629	Yes
E2f4	0.32434	0.077373	-0.246967	0.00069112	Yes	E2f4	41.9578	79.9851	0.930792	41.9588	79.9861	0.93077589	0.00161718	Yes
Ebpl	0.67409	0.037171	-0.636919	3.61E-07	Yes	Ebpl	10.2364	4.43415	-1.20698	10.2374	4.43515	-1.2067946	0.00405996	Yes
Eci1	0.060718	2.50E-07	-0.0607178	4.97E-05	Yes	Eci1	18.9654	151.307	2.99604	18.9664	151.308	2.9959705	0.00014629	Yes
Edc4	0.061839	0.0086963	-0.0531427	0.00037405	Yes	Edc4	15.4364	270.884	4.13326	15.4374	270.885	4.13317881	0.00014629	Yes
Eef1g	0.88233	0.22532	-0.65701	4.05E-07	Yes	Eef1g	1327.81	265.723	-2.32105	1327.811	265.724	-2.3210494	0.00014629	Yes
Eef2	0.10012	0.011091	-0.089029	1.11E-08	Yes	Eef2	1658.92	381.494	-2.12051	1658.921	381.495	-2.1205091	0.00014629	Yes
Efna1	0.58558	0.092876	-0.492704	3.05E-07	Yes	Efna1	0.15368	14.6327	6.57312	0.15468	14.6337	6.56386411	0.00014629	Yes
Efna5	0.37117	0.093821	-0.277349	2.69E-06	Yes	Efna5	0	4.21448	inf	0.001	4.21548	12.0414812	0.00014629	Yes
Efs	0.17918	0.065554	-0.113626	3.93E-06	Yes	Efs	0	1.52154	inf	0.001	1.52254	10.5722644	0.00014629	Yes
Egr1	0.62847	0.059988	-0.568482	9.26E-09	Yes	Egr1	1.23366	44.6092	5.17633	1.23466	44.6102	5.1751879	0.00014629	Yes
Eif5	0.085727	0.01717	-0.068557	2.14E-07	Yes	Eif5	136.43	50.036	-1.44712	136.431	50.037	-1.4471043	0.00014629	Yes
Elac1	0.070861	0.011364	-0.059497	0.00099362	Yes	Elac1	0.674398	2.28527	1.76069	0.675398	2.28627	1.75918598	0.00126596	Yes
Emid1	0.92159	0.15008	-0.77151	8.00E-12	Yes	Emid1	29.7443	13.7766	-1.11039	29.7453	13.7776	-1.1103371	0.00102864	Yes
Eml2	0.10319	0.022575	-0.080615	1.37E-06	Yes	Eml2	2.18248	11.9029	2.44727	2.18348	11.9039	2.44673309	0.00014629	Yes
Emx2	0.098364	0.0094566	-0.0889074	7.81E-09	Yes	Emx2	0	13.4644	inf	0.001	13.4654	13.7169695	0.00014629	Yes
Eng	0.16594	0.43381	0.26787	1.22E-05	Yes	Eng	0.0790009	11.1551	7.14162	0.0800009	11.1561	7.12360083	0.00448672	Yes
Eno2	0.83005	0.64431	-0.18574	0.0030913	Yes	Eno2	1.5763	0.687945	-1.19618	1.5773	0.688945	-1.1949964	0.0489756	Yes
Epcam	0.80828	0.17472	-0.63356	4.59E-07	Yes	Epcam	0.154013	462.132	11.551	0.155013	462.133	11.5417032	0.0077167	Yes
Epn2	0.15166	0.018206	-0.133454	1.48E-08	Yes	Epn2	0.140171	9.25644	6.0452	0.141171	9.25744	6.03509763	0.00014629	Yes
Epsti1	0.030972	0.39743	0.366458	1.66E-08	Yes	Epsti1	68.3723	2.64708	-4.69094	68.3733	2.64808	-4.6904144	0.00014629	Yes
Esam	0.096512	0.012916	-0.083596	1.02E-08	Yes	Esam	0.0437167	63.5454	10.5054	0.0447167	63.5464	10.472781	0.0222999	Yes
Espn	0.53618	0.05853	-0.47765	3.61E-07	Yes	Espn	0.108371	100.577	9.85811	0.109371	100.578	9.8448688	0.0230496	Yes
Esrrg	0.7322	0.084439	-0.647761	8.91E-08	Yes	Esrrg	0	135.784	inf	0.001	135.785	17.0509646	0.00014629	Yes
Esyt1	0	0.050568	0.050568	0.01079042	Yes	Esyt1	132.706	14.6797	-3.17635	132.707	14.6807	-3.1762518	0.00014629	Yes
Etaa1	0.50829	0.45464	-0.05365	0.0053408	Yes	Etaa1	8.72893	0.822529	-3.40767	8.72993	0.823529	-3.4060787	0.00014629	Yes
Ethe1	0.96203	0.26058	-0.70145	3.61E-07	Yes	Ethe1	6.2344	165.759	4.73269	6.2354	165.76	4.73246999	0.00014629	Yes
Etv3	0.21887	0.70197	0.4831	3.61E-07	Yes	Etv3	29.4436	3.61404	-3.02627	29.4446	3.61504	-3.0259196	0.00014629	Yes
Etv5	0.16574	0.046881	-0.118859	0.00053593	Yes	Etv5	0.659624	3.62508	2.4583	0.660624	3.62608	2.45650947	0.00014629	Yes
Exoc3l4	0.14251	0.051517	-0.090993	0.01079042	Yes	Exoc3l4	0	1.26985	inf	0.001	1.27085	10.311578	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
F2rl1	0.10025	0.021901	-0.078349	2.69E-06	Yes	F2rl1	0.114635	6.33116	5.78734	0.115635	6.33216	5.77504767	0.00028114	Yes
Fam101a	0.53455	0.079927	-0.454623	2.57E-05	Yes	Fam101a	13.6352	0.836394	-4.02701	13.6362	0.837394	-4.0253913	0.0192184	Yes
Fam101b	0.19628	0.044676	-0.151604	8.00E-12	Yes	Fam101b	53.7124	5.02685	-3.41753	53.7134	5.02785	-3.4172685	0.00014629	Yes
Fam110a	0.080935	0.27166	0.190725	0.00015888	Yes	Fam110a	2.04523	5.27312	1.36639	2.04623	5.27412	1.36596208	0.00173187	Yes
Fam129b	0.26441	0.11921	-0.1452	0.02954396	Yes	Fam129b	1.50082	16.5582	3.46372	1.50182	16.5592	3.46284916	0.00014629	Yes
Fam189b	0.47212	0.16506	-0.30706	4.59E-07	Yes	Fam189b	181.408	14.0576	-3.68982	181.409	14.0586	-3.6897212	0.00014629	Yes
Fam19a5	0.17538	0.026857	-0.148523	1.64E-06	Yes	Fam19a5	0	3.27665	inf	0.001	3.27765	11.6784461	0.00014629	Yes
Fam213b	0.1699	0.025119	-0.144781	0.00013121	Yes	Fam213b	4.15593	73.7612	4.14962	4.15693	73.7622	4.14929133	0.00014629	Yes
Fam217a	0.31223	0.059011	-0.253219	9.70E-11	Yes	FAM217A	0.212123	4.15479	4.2918	0.213123	4.15579	4.28536455	0.00184429	Yes
Fam43a	0.46466	0.14299	-0.32167	0.00119585	Yes	Fam43a	1.54452	20.0601	3.6991	1.54552	20.0611	3.69823649	0.00014629	Yes
Fam69b	0.48103	0.23298	-0.24805	0.00041578	Yes	Fam69b	0.313631	3.26986	3.38209	0.314631	3.27086	3.37793728	0.00459197	Yes
Fam83f	0.32509	0.024946	-0.300144	1.51E-10	Yes	Fam83f	0.040468	8.0897	7.64316	0.041468	8.0907	7.60812225	0.00330073	Yes
Fam83h	0.080816	0.014451	-0.066365	1.61E-12	Yes	Fam83h	0.419452	8.75524	4.38357	0.420452	8.75624	4.38029849	0.00014629	Yes
Fam84a	0.11197	0.020122	-0.091848	8.95E-06	Yes	Fam84a	0	8.54844	inf	0.001	8.54944	13.0616142	0.00014629	Yes
Fancd2os	0.88698	0.13979	-0.74719	1.61E-12	Yes	Fancd2os	0.00917893	21.3889	11.1862	0.01017893	21.3899	11.0371281	0.0320714	Yes
Fance	0.42189	0.18478	-0.23711	7.78E-05	Yes	Fance	27.5252	58.5112	1.08796	27.5262	58.5122	1.087932	0.00597292	Yes
Fbln5	0.08912	0.018225	-0.070895	6.03E-11	Yes	Fbln5	0	3.31694	inf	0.001	3.31794	11.6960721	0.00014629	Yes
Fbp1	0.34892	0.044182	-0.304738	6.86E-09	Yes	Fbp1	0.0643415	819.662	13.637	0.0653415	819.663	13.6147437	0.00014629	Yes
Fbxl15	0.056498	0.023111	-0.033387	0.00045717	Yes	Fbxl15	1.05752	10.2859	3.28192	1.05852	10.2869	3.28068785	0.00028114	Yes
Fbxl17	0.32688	0.040452	-0.286428	0.0001045	Yes	Fbxl17	18.1008	12.5047	-0.533576	18.1018	12.5057	-0.5335473	0.0178218	Yes
Fbxo46	0.66876	0.14513	-0.52363	9.54E-11	Yes	Fbxo46	6.28648	2.47789	-1.34314	6.28748	2.47889	-1.3427877	0.00014629	Yes
Fcgr2a	0.08097	0.021753	-0.059217	0.00683403	Yes	FCGR2A	1.7273	5.54893	1.68369	1.7283	5.54993	1.68311591	0.0089386	Yes
Fez1	0.35613	0.1021	-0.25403	4.95E-06	Yes	Fez1	1.30649	0	-inf	1.30749	0.001	-10.352584	0.00014629	Yes
Fgd3	0.007757	0.56564	0.557883	1.80E-12	Yes	Fgd3	38.9189	8.97354	-2.11672	38.9199	8.97454	-2.1165981	0.00014629	Yes
Fhod1	0.5538	0.10267	-0.45113	7.96E-06	Yes	Fhod1	26.2873	15.9248	-0.723092	26.2883	15.9258	-0.723055	0.0108581	Yes
Fli1	0.0036242	0.054215	0.0505908	0.01439246	Yes	Fli1	67.2849	3.80299	-4.14508	67.2859	3.80399	-4.1447189	0.0272509	Yes
Fn3k	0.96323	0.3781	-0.58513	0.00043492	Yes	Fn3k	0	57.5224	inf	0.001	57.5234	15.8118613	0.00014629	Yes
Fn3krp	0.078392	0.013511	-0.064881	0.0001045	Yes	Fn3krp	3.87509	14.8835	1.94141	3.87609	14.8845	1.94113678	0.00014629	Yes
Fnbp1l	0.94638	0.12038	-0.826	2.62E-08	Yes	Fnbp1l	0.725854	20.6406	4.82966	0.726854	20.6416	4.82774539	0.00014629	Yes
Foxn4	0.12951	0.016095	-0.113415	0.00011677	Yes	Foxn4	0	4.67678	inf	0.001	4.67778	12.1916083	0.00014629	Yes
Foxo3	0.031079	0.14705	0.115971	8.83E-12	Yes	Foxo3	26.3258	12.1115	-1.1201	26.3268	12.1125	-1.1200355	0.00014629	Yes
Frg1	0.51843	0.11598	-0.40245	0.00013121	Yes	Frg1	73.5918	41.6398	-0.82158	73.5928	41.6408	-0.8215668	0.00028114	Yes
Fscn2	0.96829	0.88361	-0.08468	3.93E-06	Yes	Fscn2	1.34257	6.89435	2.36042	1.34357	6.89535	2.3595523	0.0380901	Yes
Ftl1	0.6255	0.4123	-0.2132	5.68E-07	Yes	FTL1	228.942	3411.65	3.89742	228.943	3411.651	3.89740971	0.00014629	Yes
Fundc2	0.16842	0.051765	-0.116655	1.02E-05	Yes	Fundc2	11.412	35.4778	1.63636	11.413	35.4788	1.63627915	0.00014629	Yes
Fxyd2	0.7951	0.49178	-0.30332	5.48E-05	Yes	FXYD2	0.466577	2441.59	12.3534	0.467577	2441.591	12.35033	0.00014629	Yes
Fxyd6	0.42419	0.20431	-0.21988	0.01439246	Yes	Fxyd6	0	5.06977	inf	0.001	5.07077	12.3079891	0.00014629	Yes
Gab1	0.18912	0.048777	-0.140343	0.00157493	Yes	Gab1	0.100807	12.667	6.97333	0.101807	12.668	6.9592082	0.00028114	Yes
Gal3st1	0.46119	0.087532	-0.373658	1.00E-06	Yes	Gal3st1	0.0728402	23.1744	8.31358	0.0738402	23.1754	8.29397206	0.016989	Yes
Galnt14	0.13565	0.018068	-0.117582	0.00023951	Yes	Galnt14	0	46.7267	inf	0.001	46.7277	15.5119904	0.00014629	Yes
Gamt	0.14677	0.018307	-0.128463	2.36E-08	Yes	Gamt	6.6528	94.4769	3.82793	6.6538	94.4779	3.82772649	0.00014629	Yes
Gapdh	0.50305	0.019791	-0.483259	3.61E-07	Yes	Gapdh	348.651	1436.51	2.04271	348.652	1436.511	2.04270938	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gas2l1	0.80733	0.54018	-0.26715	3.41E-06	Yes	Gas2l1	0.299861	17.4994	5.86687	0.300861	17.5004	5.86214698	0.00014629	Yes
Gata3	0.0047962	0.10958	0.1047838	1.49E-06	Yes	Gata3	52.4201	12.8181	-2.03194	52.4211	12.8191	-2.0318527	0.00014629	Yes
Gata5	0.061171	0.0067139	-0.0544571	5.05E-07	Yes	Gata5	0	1.13944	inf	0.001	1.14044	10.1553748	0.00014629	Yes
Gatsl3	0.11889	0.020131	-0.098759	4.27E-06	Yes	Gatsl3	8.97677	95.2922	3.40809	8.97777	95.2932	3.40794423	0.00014629	Yes
Gcnt2	0.026738	0.1624	0.135662	0.00775212	Yes	Gcnt2	0.0616222	10.7043	7.44052	0.0626222	10.7053	7.41743532	0.00014629	Yes
Gfer	0.38138	0.012242	-0.369138	2.62E-08	Yes	Gfer	13.3608	21.8784	0.711504	13.3618	21.8794	0.71145881	0.00874754	Yes
Gfra1	0.066788	0.0021439	-0.0646441	2.28E-05	Yes	Gfra1	0	1.62216	inf	0.001	1.62316	10.6645895	0.00014629	Yes
Glb1l	0.15132	0.0131	-0.13822	8.95E-06	Yes	Glb1l	1.02545	11.6868	3.51055	1.02645	11.6878	3.50926814	0.00700299	Yes
Glb1l2	0.084558	0.016146	-0.068412	0.00069112	Yes	Glb1l2	0	7.04646	inf	0.001	7.04746	12.7828877	0.00014629	Yes
Glis2	0.64624	0.044801	-0.601439	6.96E-06	Yes	Glis2	0.123279	40.6648	8.36571	0.124279	40.6658	8.35408965	0.00053701	Yes
Gna14	0.022144	0.082543	0.060399	8.78E-05	Yes	Gna14	0.187713	1.70053	3.17938	0.188713	1.70153	3.17256687	0.00802631	Yes
Gna15	0.11859	0.44072	0.32213	4.05E-07	Yes	Gna15	3.8133	8.8603	1.21631	3.8143	8.8613	1.21610005	0.00126596	Yes
Gnal	0.079272	0.014998	-0.064274	4.90E-11	Yes	Gnal	30.0066	18.7584	-0.677747	30.0076	18.7594	-0.6777143	0.00252712	Yes
Gpc1	0.029021	0.0036637	-0.0253573	4.26E-07	Yes	Gpc1	0.124059	1.95365	3.97707	0.125059	1.95465	3.96622951	0.00330073	Yes
Gpc3	0.085253	0.0051852	-0.0800678	3.08E-05	Yes	Gpc3	0	90.0601	inf	0.001	90.0611	16.4586165	0.00014629	Yes
Gpd1	0.36134	0.032351	-0.328989	2.70E-09	Yes	Gpd1	0.244558	59.2229	7.91983	0.245558	59.2239	7.91397186	0.00028114	Yes
Gpr135	0.09057	0.039147	-0.051423	0.00043492	Yes	Gpr135	0	1.04786	inf	0.001	1.04886	10.0346064	0.00014629	Yes
Gpr137	0.2054	0.021753	-0.183647	3.61E-07	Yes	Gpr137	2.50748	30.3557	3.59766	2.50848	30.3567	3.59712963	0.00014629	Yes
Gpr146	0.58051	0.020045	-0.560465	1.63E-09	Yes	Gpr146	6.94037	2.86695	-1.2755	6.94137	2.86795	-1.2752006	0.00114835	Yes
Gpr150	0.23374	0.077452	-0.156288	3.91E-05	Yes	Gpr150	3.22076	0	-inf	3.22176	0.001	-11.653633	0.00014629	Yes
Gpr27	0.10802	0.033416	-0.074604	0.00035126	Yes	Gpr27	0	1.37974	inf	0.001	1.38074	10.431226	0.00014629	Yes
Gpr4	0.8835	0.82197	-0.06153	0.02834942	Yes	Gpr4	0	2.0616	inf	0.001	2.0626	11.0102484	0.00014629	Yes
Gprc5c	0.061396	0.0061584	-0.0552376	2.28E-05	Yes	Gprc5c	0	71.92	inf	0.001	71.921	16.1341255	0.00014629	Yes
Gpsm3	0.01555	0.1457	0.13015	0.02450594	Yes	Gpsm3	128.26	20.9671	-2.61288	128.261	20.9681	-2.6128145	0.0377543	Yes
Gramd1b	0.00014401	0.077124	0.07697999	1.61E-12	Yes	Gramd1b	6.80767	39.6393	2.5417	6.80867	39.6403	2.54152296	0.00014629	Yes
Grasp	0.020977	0.3319	0.310923	3.61E-07	Yes	Grasp	1.75721	0.343797	-2.35366	1.75821	0.344797	-2.3502883	0.00149937	Yes
Grik2	0.095929	0.026172	-0.069757	0.00546968	Yes	Grik2	0	2.35408	inf	0.001	2.35508	11.2015604	0.00014629	Yes
Grik5	0.071363	0.014375	-0.056988	0.00015508	Yes	Grik5	0.0265777	18.3757	9.43337	0.0275777	18.3767	9.38015986	0.0299771	Yes
Grk5	0.23476	0.011897	-0.222863	6.30E-06	Yes	Grk5	2.15596	4.99024	1.21078	2.15696	4.99124	1.21039885	0.00241835	Yes
Grtp1	0.056559	0.002	-0.054559	0.00157493	Yes	Grtp1	0.0621628	162.213	11.3495	0.0631628	162.214	11.3265356	0.00014629	Yes
Gtf2ird1	0.042738	0.10592	0.063182	0.00935402	Yes	Gtf2ird1	5.26251	15.1945	1.52973	5.26351	15.1955	1.52954705	0.00014629	Yes
Gtpbp3	0.10184	0.011125	-0.090715	2.28E-05	Yes	Gtpbp3	2.74393	7.02231	1.3557	2.74493	7.02331	1.35538176	0.00014629	Yes
H1f0	0.091616	0.028616	-0.063	0.00047568	Yes	H1f0	14.3301	100.275	2.80684	14.3311	100.276	2.8067551	0.00014629	Yes
Habp4	0.40871	0.041116	-0.367594	6.96E-06	Yes	Habp4	6.4225	15.5995	1.28029	6.4235	15.6005	1.28016076	0.00014629	Yes
Hcn2	0.074941	0.0050865	-0.0698545	1.75E-08	Yes	Hcn2	0.371867	15.5018	5.3815	0.372867	15.5028	5.37772388	0.00014629	Yes
Hcst	0.06855	0.59292	0.52437	6.57E-07	Yes	Hcst	264.442	31.5853	-3.06562	264.443	31.5863	-3.0655859	0.00014629	Yes
Hid1	0.3081	0.087392	-0.220708	0.00226691	Yes	Hid1	0.0866141	5.14006	5.89104	0.0876141	5.14106	5.87475897	0.0373152	Yes
Hint1	0.36276	0.23482	-0.12794	0.00130689	Yes	Hint1	364.359	497.455	0.449206	364.36	497.456	0.44920434	0.0217546	Yes
Hint2	0.32844	0.059567	-0.268873	0.02954396	Yes	Hint2	50.4726	368.364	2.86756	50.4736	368.365	2.8675351	0.00014629	Yes
Hipk2	0.36968	0.2338	-0.13588	0.02954396	Yes	Hipk2	2.43722	6.11155	1.3263	2.43822	6.11255	1.32594606	0.00014629	Yes
Hlx	0.1811	0.035308	-0.145792	1.27E-11	Yes	Hlx	0.133156	1.28888	3.27493	0.134156	1.28988	3.26525337	0.00994441	Yes
Hmg20b	0.72207	0.2652	-0.45687	3.08E-05	Yes	Hmg20b	15.1147	64.0647	2.08357	15.1157	64.0657	2.08350437	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hnf1a	0.82272	0.054992	-0.767728	1.61E-12	Yes	Hnf1a	3.83337	16.3405	2.09176	3.83437	16.3415	2.09147895	0.00014629	Yes
Hnf1b	0.22456	0.040504	-0.184056	0.00051431	Yes	Hnf1b	0	205.551	inf	0.001	205.552	17.6491439	0.00014629	Yes
Hnf4g	0.069169	0.0092366	-0.0599324	4.59E-07	Yes	Hnf4g	0	2.1945	inf	0.001	2.1955	11.1003338	0.00014629	Yes
Hnrnpa3	0.57243	0.32055	-0.25188	0.00043492	Yes	Hnrnpa3	11.6418	1.66172	-2.80857	11.6428	1.66272	-2.8078209	0.00014629	Yes
Hoga1	0.77944	0.6056	-0.17384	0.03705648	Yes	Hoga1	0.748181	179.388	7.90548	0.749181	179.389	7.9035614	0.00014629	Yes
Hoxa2	0.13593	0.4814	0.34547	6.37E-09	Yes	Hoxa2	0	2.29515	inf	0.001	2.29615	11.1650012	0.00014629	Yes
Hoxb3	0.73271	0.11973	-0.61298	1.61E-12	Yes	HOXB3	0.164914	87.7956	9.05629	0.165914	87.7966	9.04758563	0.00014629	Yes
Hoxb5	0.605	0.3014	-0.3036	4.17E-11	Yes	Hoxb5	0	94.9452	inf	0.001	94.9462	16.5348226	0.00014629	Yes
Hoxb7	0.12542	0.027265	-0.098155	0.00014495	Yes	Hoxb7	0	47.6755	inf	0.001	47.6765	15.5409907	0.00014629	Yes
Hoxb9	0.023473	0.11347	0.089997	0.04431681	Yes	Hoxb9	0	15.135	inf	0.001	15.136	13.8856964	0.00014629	Yes
Hoxc10	0.19235	0.47544	0.28309	0.00500595	Yes	Hoxc10	0	6.67425	inf	0.001	6.67525	12.7046062	0.00014629	Yes
Hoxc5	0.052851	0.17021	0.117359	5.48E-05	Yes	Hoxc5	4.31263	23.0582	2.41864	4.31363	23.0592	2.41836812	0.00014629	Yes
Hoxd10	0.12158	0.019525	-0.102055	3.08E-05	Yes	Hoxd10	0	36.818	inf	0.001	36.819	15.1681628	0.00014629	Yes
Hoxd3	0.14285	0.51039	0.36754	6.96E-06	Yes	Hoxd3	0	19.562	inf	0.001	19.563	14.25584	0.00014629	Yes
Hpn	0.66937	0.042957	-0.626413	1.61E-12	Yes	Hpn	0	71.4425	inf	0.001	71.4435	16.1245151	0.00014629	Yes
Hs6st1	0.10354	0.023481	-0.080059	0.00014495	Yes	Hs6st1	6.02509	25.2028	2.06453	6.02609	25.2038	2.06434714	0.00014629	Yes
Hsd17b1	0.84931	0.21197	-0.63734	1.61E-12	Yes	Hsd17b1	0.53749	7.78698	3.85675	0.53849	7.78798	3.85425772	0.00184429	Yes
Hspa12a	0.20616	0.064338	-0.141822	8.52E-05	Yes	Hspa12a	0	16.0945	inf	0.001	16.0955	13.9743698	0.00014629	Yes
Hspa2	0.14931	0.03135	-0.11796	9.32E-05	Yes	Hspa2	0.421187	22.7909	5.75786	0.422187	22.7919	5.75449523	0.00994441	Yes
Id4	0.058555	0.016432	-0.042123	1.02E-05	Yes	Id4	0	45.2923	inf	0.001	45.2933	15.46701	0.00014629	Yes
Ifi30	0.2992	0.51081	0.21161	0.02194182	Yes	Ifi30	17.301	67.1237	1.95597	17.302	67.1247	1.95590492	0.00014629	Yes
Ifitm3	0.26654	0.10419	-0.16235	0.01658745	Yes	Ifitm3	0	32.8868	inf	0.001	32.8878	15.0052649	0.00014629	Yes
Igf2r	0.39349	0.018088	-0.375402	3.61E-07	Yes	Igf2r	12.3634	67.8475	2.45623	12.3644	67.8485	2.45612469	0.00014629	Yes
Igfbp3	0.054329	0.025197	-0.029132	0.00043492	Yes	Igfbp3	0	1.40738	inf	0.001	1.40838	10.4598209	0.00014629	Yes
Ihh	0.104	0.016057	-0.087943	0.00069112	Yes	Ihh	0.561358	8.60067	3.93746	0.562358	8.60167	3.93505603	0.00014629	Yes
Il27ra	0.8084	0.32548	-0.48292	1.60E-05	Yes	Il27ra	31.8586	1.12948	-4.81796	31.8596	1.13048	-4.8167208	0.00014629	Yes
Il3ra	0.15958	0.024283	-0.135297	5.68E-07	Yes	Il3ra	2.20418	137.325	5.9612	2.20518	137.326	5.96056457	0.00014629	Yes
Ino80d	0.92495	0.095065	-0.829885	3.61E-07	Yes	Ino80d	11.5454	1.50601	-2.93851	11.5464	1.50701	-2.9376822	0.00014629	Yes
Inpp1	0.31275	0.030757	-0.281993	7.44E-07	Yes	Inpp1	10.4374	26.195	1.32752	10.4384	26.196	1.32744594	0.00014629	Yes
Insl3	0.7195	0.11794	-0.60156	2.36E-06	Yes	Insl3	95.8544	24.8247	-1.94907	95.8554	24.8257	-1.9490253	0.00014629	Yes
Irf2bp1	0.74617	0.037592	-0.708578	1.61E-12	Yes	Irf2bp1	7.23264	11.2307	0.634857	7.23364	11.2317	0.6347826	0.0149808	Yes
Irf2bp1	0.81443	0.035703	-0.778727	1.61E-12	Yes	Irf2bp1	8.58803	17.7069	1.04391	8.58903	17.7079	1.04382602	0.00014629	Yes
Irf4	0.11134	0.013871	-0.097469	0.00057442	Yes	Irf4	1.94638	0.523805	-1.89369	1.94738	0.524805	-1.8916811	0.00041099	Yes
Irx2	0.26004	0.039419	-0.220621	3.27E-07	Yes	Irx2	0	10.6692	inf	0.001	10.6702	13.3812996	0.00014629	Yes
Irx3	0.10395	0.014087	-0.089863	2.49E-07	Yes	Irx3	0	36.9339	inf	0.001	36.9349	15.1726971	0.00014629	Yes
Isoc2b	0.067298	0.007956	-0.059342	6.57E-07	Yes	Isoc2b	14.0628	72.9412	2.37485	14.0638	72.9422	2.37476725	0.00014629	Yes
Itgal	0.073193	0.53923	0.466037	1.64E-06	Yes	Itgal	73.0225	2.72752	-4.74268	73.0235	2.72852	-4.7421703	0.00014629	Yes
Itgb4	0.080997	0.01935	-0.061647	0.01439246	Yes	Itgb4	0.0516549	9.60133	7.53819	0.0526549	9.60233	7.51067291	0.0146937	Yes
Itpkb	0.00046729	0.065021	0.06455371	6.26E-05	Yes	Itpkb	83.9856	16.9852	-2.30587	83.9866	16.9862	-2.305796	0.00014629	Yes
Junb	0.29348	0.0082614	-0.2852186	1.61E-12	Yes	Junb	48.7687	109.986	1.1733	48.7697	109.987	1.17327601	0.00014629	Yes
Kazn	0.12136	0.012893	-0.108467	2.57E-05	Yes	KAZN	0.0450448	33.2115	9.5261	0.0460448	33.2125	9.49447237	0.0221218	Yes
Kcna3	0.21327	0.3798	0.16653	0.01520153	Yes	Kcna3	4.0282	0.0920338	-5.45183	4.0292	0.0930338	-5.4365947	0.0135258	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kcnc3	0.076263	0.026063	-0.0502	2.10E-06	Yes	Kcnc3	0	4.86756	inf	0.001	4.86856	12.2492794	0.00014629	Yes
Kcnp4	0.098769	0.023036	-0.075733	3.95E-10	Yes	Kcnp4	0	2.96149	inf	0.001	2.96249	11.5325946	0.00014629	Yes
Kcnn4	0.033318	0.72094	0.687622	1.09E-10	Yes	Kcnn4	173.958	23.3092	-2.89977	173.959	23.3102	-2.899714	0.00014629	Yes
Kdm2a	0.14012	0.057546	-0.082574	1.11E-08	Yes	Kdm2a	60.2117	17.271	-1.80169	60.2127	17.272	-1.8016327	0.00014629	Yes
Kdm6b	0.91204	0.3671	-0.54494	1.92E-07	Yes	Kdm6b	18.2521	8.74084	-1.06222	18.2531	8.74184	-1.0621326	0.00014629	Yes
Kdsr	0.50241	0.099043	-0.403367	8.18E-10	Yes	Kdsr	10.9081	3.93282	-1.47176	10.9091	3.93382	-1.4715292	0.00014629	Yes
Khk	0.84962	0.089364	-0.760256	1.61E-12	Yes	Khk	6.57489	595.627	6.5013	6.57589	595.628	6.5010816	0.00014629	Yes
Kif12	0.84595	0.11504	-0.73091	1.61E-12	Yes	Kif12	0	520.547	inf	0.001	520.548	18.9896717	0.00014629	Yes
Kif26a	0.099198	0.036686	-0.062512	1.31E-05	Yes	Kif26a	0	1.64301	inf	0.001	1.64401	10.6830034	0.00014629	Yes
Kif3c	0.67486	0.29328	-0.38158	1.64E-06	Yes	Kif3c	3.16345	0.649908	-2.28319	3.16445	0.650908	-2.2814292	0.00053701	Yes
Kl	0.38597	0.08653	-0.29944	7.78E-05	Yes	Kl	0	22.482	inf	0.001	22.483	14.4565469	0.00014629	Yes
Klc1	0.14164	0.025854	-0.115786	1.61E-06	Yes	Klc1	54.6168	138.708	1.34463	54.6178	138.709	1.34461829	0.00041099	Yes
Klf2	0.025564	0.3207	0.295136	2.65E-11	Yes	Klf2	341.278	32.2438	-3.40386	341.279	32.2448	-3.4038132	0.00014629	Yes
Klf5	0.093584	0.031315	-0.062269	1.61E-12	Yes	Klf5	0.0695967	5.05104	6.18142	0.0705967	5.05204	6.1611215	0.0194106	Yes
Klhl29	0.084539	0.19332	0.108781	6.52E-08	Yes	Klhl29	0.0414812	1.39971	5.07653	0.0424812	1.40071	5.04318996	0.00114835	Yes
Krt19	0.12865	0.0088651	-0.1197849	1.12E-06	Yes	Krt19	0	85.9965	inf	0.001	85.9975	16.3920071	0.00014629	Yes
Krtcap3	0.85774	0.061417	-0.796323	1.61E-12	Yes	Krtcap3	1.25788	13.7446	3.4498	1.25888	13.7456	3.44875721	0.00014629	Yes
Lactb2	0.11325	0.0097412	-0.1035088	1.92E-07	Yes	Lactb2	16.348	183.913	3.49183	16.349	183.914	3.49175701	0.00014629	Yes
Lama1	0.15966	0.014773	-0.144887	0.00069112	Yes	Lama1	1.04101	9.56793	3.20022	1.04201	9.56893	3.19898849	0.00014629	Yes
Lamb2	0.17383	0.0057692	-0.1680608	3.65E-05	Yes	Lamb2	0.0100164	53.2785	12.377	0.0110164	53.2795	12.239712	0.0133356	Yes
Lamc1	0.064518	0.0064117	-0.0581063	3.87E-06	Yes	Lamc1	1.27062	7.4366	2.54911	1.27162	7.4376	2.54816955	0.00014629	Yes
Large	0.18791	0.11024	-0.07767	0.04666269	Yes	Large	0.478815	7.28096	3.92659	0.479815	7.28196	3.92377665	0.00014629	Yes
Lat	0	0.27605	0.27605	0.00013121	Yes	Lat	455.416	88.3074	-2.36658	455.417	88.3084	-2.3665656	0.00014629	Yes
Lats2	0.11426	0.29152	0.17726	0.00019529	Yes	Lats2	0.100968	11.631	6.84793	0.101968	11.632	6.83383889	0.00384649	Yes
Lbh	0.0018406	0.10025	0.0984094	0.00063283	Yes	Lbh	132.518	9.36804	-3.8223	132.519	9.36904	-3.8221542	0.00014629	Yes
Lgalsl	0.77184	0.016399	-0.755441	1.63E-09	Yes	Lgalsl	0.435879	17.5386	5.33047	0.436879	17.5396	5.32723828	0.00014629	Yes
Loxl1	0.50177	0.32319	-0.17858	5.76E-05	Yes	Loxl1	0	2.96112	inf	0.001	2.96212	11.5324144	0.00014629	Yes
Lrrc24	0.097182	0.023113	-0.074069	0.00157493	Yes	Lrrc24	9.37316	42.9244	2.19519	9.37416	42.9254	2.19507025	0.00014629	Yes
Lrrc71	0.63085	0.06732	-0.56353	2.36E-06	Yes	Lrrc71	3.10157	14.1001	2.18464	3.10257	14.1011	2.18427204	0.00014629	Yes
Lrrc8c	0.0034483	0.065871	0.0624227	0.00935402	Yes	Lrrc8c	44.8247	2.72082	-4.04218	44.8257	2.72182	-4.0416825	0.00014629	Yes
Lrrfip1	0.0061042	0.20789	0.2017858	0.00015888	Yes	Lrrfip1	61.4164	32.2544	-0.929127	61.4174	32.2554	-0.9291067	0.00230432	Yes
Ltbp3	0.38448	0.22772	-0.15676	0.0017172	Yes	Ltbp3	0.02699	14.4978	9.06919	0.02799	14.4988	9.0168063	0.00184429	Yes
Ltbp4	0.16073	0.029324	-0.131406	4.44E-05	Yes	Ltbp4	0.357678	26.0584	6.18694	0.358678	26.0594	6.1829708	0.00014629	Yes
Ltbr	0.70273	0.076991	-0.625739	4.59E-07	Yes	Ltbr	0.16655	25.4669	7.25653	0.16755	25.4679	7.24794451	0.00014629	Yes
Lurap1l	0.066137	0.0093714	-0.0567656	1.61E-12	Yes	Lurap1l	0	4.80136	inf	0.001	4.80236	12.2295278	0.00014629	Yes
Lypd6b	0.11364	0.029871	-0.083769	2.06E-07	Yes	Lypd6b	0	4.23877	inf	0.001	4.23977	12.0497703	0.00014629	Yes
Lzts3	0.68831	0.11225	-0.57606	1.61E-12	Yes	Lzts3	1.34555	74.0137	5.78152	1.34655	74.0147	5.78047213	0.00014629	Yes
Map4k2	0.76826	0.19821	-0.57005	1.51E-09	Yes	Map4k2	54.8368	4.65501	-3.55829	54.8378	4.65601	-3.5580046	0.00014629	Yes
Mapk1ip1l	0.15846	0.077514	-0.080946	1.19E-07	Yes	Mapk1ip1l	28.5437	10.7903	-1.40344	28.5447	10.7913	-1.4033542	0.00014629	Yes
Mapk4	0.92735	0.22632	-0.70103	1.95E-09	Yes	Mapk4	0	3.38869	inf	0.001	3.38969	11.7269376	0.00014629	Yes
Mavs	0.082117	0.0036303	-0.0784867	8.75E-07	Yes	Mavs	6.53813	31.1865	2.25397	6.53913	31.1875	2.2537973	0.00014629	Yes
Mbtps2	0.21237	0.13235	-0.08002	0.01439246	Yes	Mbtps2	7.91087	1.60307	-2.30299	7.91187	1.60407	-2.3022816	0.00014629	Yes

RRBS						RNAseq								
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Mcm3ap	0.83216	0.52459	-0.30757	0.00154772	Yes	Mcm3ap	16.6715	10.3117	-0.6931	16.6725	10.3127	-0.6930484	0.00066215	Yes
Mef2d	0.16753	0.085685	-0.081845	0.03460571	Yes	Mef2d	46.0966	8.43342	-2.45047	46.0976	8.43442	-2.4503309	0.00014629	Yes
Megf8	0.3498	0.035423	-0.314377	3.61E-07	Yes	Megf8	0.0197574	4.88238	7.94904	0.0207574	4.88338	7.87811049	0.00459197	Yes
Mesdc1	0.1508	0.04631	-0.10449	4.05E-07	Yes	Mesdc1	7.97735	4.01958	-0.988864	7.97835	4.02058	-0.9886868	0.0421247	Yes
Metrn	0.47432	0.16531	-0.30901	1.20E-08	Yes	Metrn	0.374384	43.2342	6.85151	0.375384	43.2352	6.84769539	0.00384649	Yes
Mfhas1	0.49353	0.18878	-0.30475	0.00051431	Yes	Mfhas1	0.426776	5.40952	3.66395	0.427776	5.41052	3.66083981	0.00014629	Yes
Mgarp	0.52387	0.26635	-0.25752	0.01164415	Yes	Mgarp	0.202678	1.20713	2.57432	0.203678	1.20813	2.56841364	0.0329554	Yes
Mlycd	0.18939	0.045194	-0.144196	0.00082506	Yes	Mlycd	6.41126	30.8746	2.26774	6.41226	30.8756	2.26756234	0.00014629	Yes
Mmp11	0.44186	0.041025	-0.400835	1.00E-06	Yes	Mmp11	0.670619	8.47745	3.66007	0.671619	8.47845	3.65808559	0.00014629	Yes
Moap1	0.40746	0.073979	-0.333481	0.00051431	Yes	Moap1	8.4288	37.3676	2.14839	8.4298	37.3686	2.14825621	0.00014629	Yes
Mob3a	0.00067568	0.20591	0.20523432	3.61E-07	Yes	Mob3a	47.4586	7.11734	-2.73726	47.4596	7.11834	-2.7370872	0.00014629	Yes
Mpped1	0.34626	0.25004	-0.09622	0.03210797	Yes	Mpped1	0	5.98843	inf	0.001	5.98943	12.548203	0.00014629	Yes
Mpst	0.92928	0.25173	-0.67755	1.27E-10	Yes	MPST	14.1905	214.629	3.91884	14.1915	214.63	3.91875275	0.00014629	Yes
Mrap	0.69954	0.14649	-0.55305	8.75E-07	Yes	Mrap	0	7.26606	inf	0.001	7.26706	12.8271561	0.00014629	Yes
Mrap2	0.49727	0.29953	-0.19774	0.00226691	Yes	Mrap2	4.95458	0.228583	-4.43798	4.95558	0.229583	-4.4319662	0.0229551	Yes
Mrpl38	0.7695	0.072748	-0.696752	3.61E-07	Yes	Mrpl38	13.3844	50.8824	1.92662	13.3854	50.8834	1.92653482	0.00014629	Yes
Msrb2	0.73387	0.13377	-0.6001	5.23E-07	Yes	Msrb2	13.8957	33.139	1.2539	13.8967	33.14	1.25383127	0.00014629	Yes
Mxd3	0.077707	0.0078733	-0.0698337	0.00259554	Yes	Mxd3	0.170418	2.15753	3.66223	0.171418	2.15853	3.65445863	0.0208247	Yes
Myh10	0.11963	0.018655	-0.100975	0.00028703	Yes	Myh10	0.351081	7.23288	4.36469	0.352081	7.23388	4.36079039	0.00884407	Yes
Myh11	0.91494	0.3407	-0.57424	2.88E-05	Yes	Myh11	1.34364	5.65843	2.07426	1.34464	5.65943	2.07343678	0.00014629	Yes
Myo1c	0.76691	0.47977	-0.28714	0.03705648	Yes	Myo1c	5.24612	34.2751	2.70784	5.24712	34.2761	2.70760528	0.00014629	Yes
Myo1e	0.06275	0.01053	-0.05222	0.00546968	Yes	Myo1e	0.911098	15.7347	4.1102	0.912098	15.7357	4.10870871	0.00014629	Yes
Myo5b	0.20034	0.026472	-0.173868	2.26E-06	Yes	Myo5b	0.0120537	28.7774	11.2212	0.0130537	28.7784	11.1063119	0.023691	Yes
N4bp3	0.91586	0.7234	-0.19246	0.01210159	Yes	N4bp3	0.154502	3.23976	4.39019	0.155502	3.24076	4.38132714	0.00374149	Yes
Naa25	0.37387	0.077358	-0.296512	3.61E-07	Yes	Naa25	10.1236	3.17114	-1.67464	10.1246	3.17214	-1.6743366	0.00014629	Yes
Nav2	0.20754	0.028634	-0.178906	0.00119585	Yes	Nav2	0.83728	16.4792	4.29879	0.83828	16.4802	4.29715773	0.00014629	Yes
Nbl1	0.18343	0.078561	-0.104869	0.01079042	Yes	Nbl1	0.140501	36.6005	8.02514	0.141501	36.6015	8.01494672	0.00041099	Yes
Ndrp4	0.19546	0.10719	-0.08827	0.00022947	Yes	Ndrp4	0.795515	10.9778	3.78656	0.796515	10.9788	3.78487503	0.00014629	Yes
Ndufb4	0.46327	0.20798	-0.25529	6.26E-05	Yes	Ndufb4	138.744	493.378	1.83027	138.745	493.379	1.83026053	0.00014629	Yes
Nefm	0.06293	0.0098781	-0.0530519	1.49E-07	Yes	Nefm	0	1.74893	inf	0.001	1.74993	10.7730815	0.00014629	Yes
Nelfb	0.80427	0.38949	-0.41478	2.19E-08	Yes	Nelfb	23.9074	34.1939	0.516282	23.9084	34.1949	0.51626359	0.0275289	Yes
Nfix	0.10311	0.18889	0.08578	0.02954396	Yes	Nfix	1.41145	7.329	2.37643	1.41245	7.33	2.3756134	0.00014629	Yes
Nfkb1	0.087607	0.0093198	-0.0782872	2.28E-05	Yes	Nfkb1	55.9095	15.6794	-1.83422	55.9105	15.6804	-1.8341569	0.00014629	Yes
Nipsnap1	0.095586	0.01032	-0.085266	0.0001045	Yes	Nipsnap1	20.6495	81.5044	1.98077	20.6505	81.5054	1.98071893	0.00014629	Yes
Nkain4	0.11739	0.018695	-0.098695	2.69E-06	Yes	Nkain4	0	2.6907	inf	0.001	2.6917	11.3943019	0.00014629	Yes
Nkx2-1	0.083932	0.029551	-0.054381	0.00028703	Yes	Nkx2-1	0.312282	142.096	8.8298	0.313282	142.097	8.8251985	0.00014629	Yes
Nlk	0.14439	0.039156	-0.105234	2.62E-08	Yes	Nlk	21.9354	6.32003	-1.79526	21.9364	6.32103	-1.7950952	0.00014629	Yes
Nmrk1	0.40242	0.13054	-0.27188	8.75E-07	Yes	Nmrk1	0.664022	23.9676	5.17371	0.665022	23.9686	5.17159977	0.00195831	Yes
Notch1	0.11041	0.35195	0.24154	3.84E-08	Yes	Notch1	36.5751	5.16419	-2.82425	36.5761	5.16519	-2.8240079	0.00014629	Yes
Nox4	0.10234	0.020486	-0.081854	3.80E-10	Yes	Nox4	0	23.9141	inf	0.001	23.9151	14.5456342	0.00014629	Yes
Npas2	0.061184	0.011024	-0.05016	1.82E-05	Yes	Npas2	0.271967	13.9905	5.68487	0.272967	13.9915	5.67968028	0.00014629	Yes
Npb	0.77799	0.12983	-0.64816	1.61E-12	Yes	Npb	0.910052	0	-inf	0.911052	0.001	-9.8313896	0.00405996	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Npr2	0.15735	0.065373	-0.091977	0.00057442	Yes	Npr2	0.949437	8.70054	3.19596	0.950437	8.70154	3.19460785	0.00014629	Yes
Nr1d1	0.068795	0.0018755	-0.0669195	2.88E-05	Yes	Nr1d1	5.90543	48.782	3.04623	5.90643	48.783	3.04602019	0.00014629	Yes
Nr1h3	0.48807	0.13181	-0.35626	8.05E-05	Yes	Nr1h3	0.163515	37.6782	7.84817	0.164515	37.6792	7.83940539	0.00066215	Yes
Nr2f6	0.76255	0.035386	-0.727164	1.61E-12	Yes	Nr2f6	2.91245	100.87	5.11412	2.91345	100.871	5.1136391	0.00014629	Yes
Nr4a2	0.33845	0.12895	-0.2095	0.00357821	Yes	Nr4a2	0.279983	1.79136	2.67764	0.280983	1.79236	2.67330568	0.00307875	Yes
Nrg1	0.12116	0.027103	-0.094057	3.08E-05	Yes	Nrg1	0.0243718	3.41014	7.12847	0.0253718	3.41114	7.07088428	0.00041099	Yes
Nrp1	0.66967	0.059784	-0.609886	2.62E-08	Yes	Nrp1	3.14772	10.1102	1.68344	3.14872	10.1112	1.68311685	0.00014629	Yes
Nsd1	0.16706	0.4302	0.26314	0.00343039	Yes	Nsd1	20.3323	4.43615	-2.19639	20.3333	4.43715	-2.1961391	0.004167	Yes
Nt5dc2	0.76954	0.033282	-0.736258	8.00E-12	Yes	Nt5dc2	2.26768	7.62388	1.74931	2.26868	7.62488	1.7488615	0.00028114	Yes
Ntf3	0.12711	0.027263	-0.099847	6.26E-05	Yes	Ntf3	0	8.32559	inf	0.001	8.32659	13.0235101	0.00014629	Yes
Ntn4	0.23972	0.086487	-0.153233	0.00357821	Yes	Ntn4	0	15.638	inf	0.001	15.639	13.9328606	0.00014629	Yes
Ntng2	0.48434	0.1047	-0.37964	1.61E-12	Yes	Ntng2	60.2241	0.904731	-6.05671	60.2251	0.905731	-6.0551384	0.00944816	Yes
Nudt22	0.90594	0.69978	-0.20616	0.00389713	Yes	Nudt22	5.26328	18.1234	1.78382	5.26428	18.1244	1.7836251	0.00014629	Yes
Olfm1	0.30507	0.076756	-0.228314	0.0017172	Yes	Olfm1	8.71494	2.38113	-1.87185	8.71594	2.38213	-1.8714041	0.00014629	Yes
Olfml2a	0.93443	0.36702	-0.56741	3.61E-07	Yes	Olfml2a	0	1.40385	inf	0.001	1.40485	10.4562004	0.00014629	Yes
Orc2	0.90101	0.79573	-0.10528	0.00039347	Yes	Orc2	27.4545	12.4747	-1.13804	27.4555	12.4757	-1.1379744	0.00014629	Yes
Pabpc4	0.18138	0.039883	-0.141497	1.61E-12	Yes	Pabpc4	47.1984	146.682	1.63589	47.1994	146.683	1.63586125	0.00014629	Yes
Pacsin3	0.65659	0.095351	-0.561239	6.57E-07	Yes	Pacsin3	0.11514	23.5406	7.67561	0.11614	23.5416	7.66320363	0.00041099	Yes
Palm	0.6336	0.07147	-0.56213	4.05E-07	Yes	Palm	2.56108	120.636	5.55777	2.56208	120.637	5.55721312	0.00014629	Yes
Paqr6	0.81372	0.06096	-0.75276	3.61E-07	Yes	Paqr6	0.690529	15.5563	4.49365	0.691529	15.5573	4.49165814	0.00014629	Yes
Paqr7	0.77622	0.10418	-0.67204	3.61E-07	Yes	Paqr7	8.5257	20.9471	1.29686	8.5267	20.9481	1.29675999	0.00014629	Yes
Pard3	0.0785	0.0092396	-0.0692604	1.61E-12	Yes	Pard3	0.0327306	17.4109	9.05513	0.0337306	17.4119	9.01179994	0.00405996	Yes
Pard6b	0.12122	0.019968	-0.101252	4.27E-06	Yes	Pard6b	5.16036	40.424	2.96967	5.16136	40.425	2.96942461	0.00014629	Yes
Parp3	0.65595	0.38378	-0.27217	0.00357821	Yes	Parp3	2.80134	11.9341	2.0909	2.80234	11.9351	2.09050674	0.00014629	Yes
Pawr	0.070024	0.010186	-0.059838	0.00035126	Yes	Pawr	0	18.1142	inf	0.001	18.1152	14.1449131	0.00014629	Yes
Pax2	0.12355	0.012516	-0.111034	0.00014495	Yes	Pax2	0	24.5909	inf	0.001	24.5919	14.5858956	0.00014629	Yes
Pced1b	0.74204	0.49992	-0.24212	0.01931414	Yes	Pced1b	52.8244	5.13518	-3.36272	52.8254	5.13618	-3.3624641	0.00014629	Yes
Pck1	0.77672	0.088397	-0.688323	1.09E-10	Yes	Pck1	0	324.434	inf	0.001	324.435	18.3075699	0.00014629	Yes
Pcsk5	0.096679	0.019317	-0.077362	0.00047568	Yes	Pcsk5	0	2.91521	inf	0.001	2.91621	11.5098789	0.00014629	Yes
Pde2a	0.36984	0.12977	-0.24007	0.00043492	Yes	Pde2a	104.749	3.38366	-4.95221	104.75	3.38466	-4.9517955	0.00014629	Yes
Pde4a	0.076338	0.0074737	-0.0688643	0.00015888	Yes	Pde4a	0.208095	1.70586	3.03519	0.209095	1.70686	3.02911426	0.00974684	Yes
Pde4d	0.32964	0.060496	-0.269144	3.61E-07	Yes	Pde4d	58.1294	4.45161	-3.70687	58.1304	4.45261	-3.7065697	0.00014629	Yes
Pde8a	0.063473	0.0044961	-0.0589769	0.00014495	Yes	Pde8a	0.367814	16.9854	5.52918	0.368814	16.9864	5.5253429	0.00014629	Yes
Pdlim2	0.31464	0.049973	-0.264667	1.64E-07	Yes	Pdlim2	50.2984	26.4701	-0.92615	50.2994	26.4711	-0.926123	0.00014629	Yes
Pdlim4	0.062332	0.0085736	-0.0537584	2.10E-06	Yes	Pdlim4	0	9.49132	inf	0.001	9.49232	13.212545	0.00014629	Yes
Pdzd3	0.85983	0.29859	-0.56124	1.12E-06	Yes	Pdzd3	0.167827	39.2824	7.87077	0.168827	39.2834	7.86223034	0.0348116	Yes
Pdzrn3	0.27547	0.077796	-0.197674	0.01344183	Yes	Pdzrn3	0	1.69237	inf	0.001	1.69337	10.7256815	0.00014629	Yes
Peli1	0.09525	0.042323	-0.052927	3.37E-06	Yes	Peli1	40.5775	4.45731	-3.18644	40.5785	4.45831	-3.1861467	0.00014629	Yes
Pex10	0.76473	0.60284	-0.16189	0.03347526	Yes	Pex10	1.85326	9.07813	2.29233	1.85426	9.07913	2.29171051	0.00014629	Yes
Pfkl	0.65013	0.20882	-0.44131	3.87E-06	Yes	Pfkl	18.5567	43.9974	1.24548	18.5577	43.9984	1.24543314	0.00014629	Yes
Pgm3	0.27458	0.11616	-0.15842	0.02954396	Yes	Pgm3	1.07687	9.72782	3.17527	1.07787	9.72882	3.17408164	0.0132409	Yes
Phpt1	0.3285	0.10279	-0.22571	0.00119585	Yes	Phpt1	57.7572	200.576	1.79608	57.7582	200.577	1.7960585	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pik3cd	0.87283	0.15064	-0.72219	1.61E-12	Yes	Pik3cd	310.031	13.1237	-4.56217	310.032	13.1247	-4.5620608	0.00014629	Yes
Pim3	0.94532	0.065709	-0.879611	1.63E-09	Yes	Pim3	8.95299	39.1659	2.12916	8.95399	39.1669	2.12903233	0.00014629	Yes
Pip5k1c	0.065911	0.0066316	-0.0592794	0.00063283	Yes	PIP5K1C	32.1142	13.649	-1.23442	32.1152	13.65	-1.2343553	0.00014629	Yes
Pitx2	0.13839	0.037828	-0.100562	0.00014495	Yes	Pitx2	0	27.0389	inf	0.001	27.0399	14.7228022	0.00014629	Yes
Piwil1	0.63472	0.14484	-0.48988	4.97E-05	Yes	Piwil1	0.217012	7.46793	5.10486	0.218012	7.46893	5.09842212	0.00014629	Yes
Pklr	0.73249	0.10811	-0.62438	2.62E-08	Yes	Pklr	0.120447	43.8081	8.50666	0.121447	43.8091	8.49475991	0.00126596	Yes
Plac9	0.22851	0.049937	-0.178573	5.62E-06	Yes	Plac9	0	1.8912	inf	0.001	1.8922	10.8858489	0.00014629	Yes
Plcb1	0.054966	2.50E-07	-0.0549658	1.00E-06	Yes	Plcb1	0.0187386	13.8282	9.52738	0.0197386	13.8292	9.45248232	0.0161245	Yes
Plce1	0.0643	0.012138	-0.052162	0.00210055	Yes	Plce1	0	0.875142	inf	0.001	0.876142	9.7750209	0.00014629	Yes
Pld4	0.34643	0.76929	0.42286	2.36E-06	Yes	Pld4	0.805077	7.66448	3.25099	0.806077	7.66548	3.24938657	0.00014629	Yes
Plec	0.95823	0.85316	-0.10507	0.01931414	Yes	Plec	16.4682	7.23473	-1.18667	16.4692	7.23573	-1.18656	0.00014629	Yes
Plekha5	0.16177	0.03662	-0.12515	2.10E-06	Yes	Plekha5	1.16769	32.622	4.80412	1.16869	32.623	4.80292525	0.00014629	Yes
Plekhg2	0.00067204	0.07497	0.07429796	1.63E-09	Yes	Plekhg2	13.3421	2.95632	-2.17411	13.3431	2.95732	-2.1737316	0.00014629	Yes
Plekhh1	0.56146	0.045708	-0.515752	0.00063283	Yes	Plekhh1	0.0517313	6.21851	6.90939	0.0527313	6.21951	6.88199755	0.00078603	Yes
Plekhh3	0.18467	0.010064	-0.174606	3.61E-07	Yes	Plekhh3	1.21473	24.1802	4.31512	1.21573	24.1812	4.31399108	0.00014629	Yes
Polg2	0.37325	0.018503	-0.354747	0.0001045	Yes	Polg2	23.2105	40.5479	0.804849	23.2115	40.5489	0.80482302	0.00173187	Yes
Polr2i	0.27993	0.14892	-0.13101	0.02834942	Yes	Polr2i	6.1552	14.8294	1.26858	6.1562	14.8304	1.2684455	0.00384649	Yes
Polr2k	0.25483	0.07751	-0.17732	1.27E-07	Yes	Polr2k	31.9918	88.0244	1.4602	31.9928	88.0254	1.46017262	0.00014629	Yes
Pomc	0.36245	0.057764	-0.304686	8.75E-07	Yes	Pomc	0.858757	18.0376	4.39261	0.859757	18.0386	4.39101461	0.00149937	Yes
Pou2f2	0.70429	0.42286	-0.28143	0.00470016	Yes	POU2F2	5.4322	0.659846	-3.04134	5.4332	0.660846	-3.0394161	0.00014629	Yes
Pou3f3	0.078569	0.026202	-0.052367	0.01344183	Yes	Pou3f3	0	38.2469	inf	0.001	38.2479	15.2230929	0.00014629	Yes
Ppp1cc	0.87437	0.63636	-0.23801	0.00143157	Yes	PPP1CC	221.404	138.631	-0.675436	221.405	138.632	-0.6754275	0.00126596	Yes
Ppp1r15a	0.39162	0.18596	-0.20566	0.0017172	Yes	Ppp1r15a	17.494	79.2504	2.17955	17.495	79.2514	2.17949376	0.00014629	Yes
Ppp1r9b	0.032165	0.14226	0.110095	0.00035126	Yes	Ppp1r9b	65.4145	10.2696	-2.67124	65.4155	10.2706	-2.6711121	0.00014629	Yes
Ppp2r5b	0.74717	0.018657	-0.728513	3.61E-07	Yes	Ppp2r5b	1.78603	5.8471	1.71096	1.78703	5.8481	1.71040413	0.00014629	Yes
Pramef8	0.14353	0.03103	-0.1125	0.00033082	Yes	Pramef8	0.436542	3.25978	2.90058	0.437542	3.26078	2.89772369	0.00014629	Yes
Prdm1	0.31069	0.1626	-0.14809	0.00357821	Yes	Prdm1	2.23667	0.220145	-3.34482	2.23767	0.221145	-3.3389328	0.00028114	Yes
Proc	0.71499	0.12037	-0.59462	2.98E-07	Yes	Proc	0	42.5699	inf	0.001	42.5709	15.37758	0.00014629	Yes
Prodh	0.33432	0.10596	-0.22836	0.00092018	Yes	Prodh	0.141225	82.3687	9.18796	0.142225	82.3697	9.17779484	0.00263402	Yes
Proz	0.74707	0.19648	-0.55059	1.57E-07	Yes	Proz	0.22978	4.85214	4.4003	0.23078	4.85314	4.39432837	0.00041099	Yes
Prr13	0.65049	0.45793	-0.19256	0.00997853	Yes	Prr13	217.76	52.2957	-2.05797	217.761	52.2967	-2.0579538	0.00014629	Yes
Prrc2c	0.44927	0.067848	-0.381422	3.61E-07	Yes	Prrc2c	38.7933	4.57228	-3.08482	38.7943	4.57328	-3.0845435	0.00014629	Yes
Prss23	0.10355	0.052646	-0.050904	0.02194182	Yes	Prss23	0	49.7334	inf	0.001	49.7344	15.6019565	0.00014629	Yes
Prss36	0.97705	0.62965	-0.3474	3.61E-07	Yes	Prss36	1.07205	7.92854	2.88668	1.07305	7.92954	2.88551987	0.00014629	Yes
Psd4	0.093764	0.025741	-0.068023	0.00743291	Yes	Psd4	44.1419	3.71332	-3.57137	44.1429	3.71432	-3.5710114	0.00014629	Yes
Psmb10	0.72871	0.02414	-0.70457	2.62E-08	Yes	Psmb10	137.613	43.0241	-1.6774	137.614	43.0251	-1.6773768	0.00014629	Yes
Psmb8	0.00082573	0.053261	0.05243527	0.00105382	Yes	Psmb8	165.669	34.205	-2.27602	165.67	34.206	-2.2759911	0.00014629	Yes
Psme2	0.21123	0.037629	-0.173601	0.00069112	Yes	Psme2	160.258	81.6437	-0.97298	160.259	81.6447	-0.9729742	0.00689996	Yes
Ptgds	0.87624	0.57855	-0.29769	0.00051431	Yes	Ptgds	0	35.7157	inf	0.001	35.7167	15.1243112	0.00014629	Yes
Ptk7	0.0075585	0.22602	0.2184615	2.10E-06	Yes	Ptk7	0.156831	1.99423	3.66855	0.157831	1.99523	3.66010256	0.00053701	Yes
Ptma	0.43586	0.12671	-0.30915	1.09E-10	Yes	Ptma	947.064	672.105	-0.494775	947.065	672.106	-0.4947747	0.0252454	Yes
Ptprs	0.78301	0.10502	-0.67799	2.70E-09	Yes	Ptprs	27.5615	6.39427	-2.1078	27.5625	6.39527	-2.1076296	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ptrf	0.068869	0.011965	-0.056904	0.00187484	Yes	Ptrf	0.0626656	55.8301	9.79915	0.0636656	55.8311	9.7763392	0.0266914	Yes
Purg	0.67603	0.14391	-0.53212	4.05E-07	Yes	Purg	0.972231	2.55233	1.39244	0.973231	2.55333	1.39152583	0.0361509	Yes
Pvrl2	0.31248	0.19351	-0.11897	0.01008382	Yes	Pvrl2	0	22.0699	inf	0.001	22.0709	14.4298578	0.00014629	Yes
Pxdc1	0.31536	0.16154	-0.15382	0.0017172	Yes	Pxdc1	2.96935	7.34924	1.30745	2.97035	7.35024	1.30715842	0.00195831	Yes
Rab20	0.25387	0.0061508	-0.2477192	3.77E-07	Yes	Rab20	2.95855	25.8743	3.12855	2.95955	25.8753	3.12812585	0.00014629	Yes
Rab31	0.69035	0.43275	-0.2576	0.01658745	Yes	Rab31	1.51476	3.07651	1.0222	1.51576	3.07751	1.0217222	0.00812679	Yes
Rab34	0.58432	0.063857	-0.520463	6.65E-08	Yes	Rab34	0	69.1684	inf	0.001	69.1694	16.0778463	0.00014629	Yes
Rab3a	0.75114	0.41998	-0.33116	0.0001045	Yes	Rab3a	1.82997	19.3237	3.40048	1.83097	19.3247	3.39976596	0.00014629	Yes
Rai1	0.62909	0.21069	-0.4184	1.44E-06	Yes	Rai1	24.2839	9.95884	-1.28595	24.2849	9.95984	-1.2858651	0.0110564	Yes
Ramp1	0.00098039	0.23647	0.23548961	4.95E-06	Yes	Ramp1	154.388	7.84245	-4.29911	154.389	7.84345	-4.2989378	0.00014629	Yes
Ramp3	0.0045455	0.057089	0.0525435	0.00861735	Yes	Ramp3	2.80568	6.42711	1.19582	2.80668	6.42811	1.19553003	0.00659461	Yes
Rap1gap	0.12813	0.017589	-0.110541	5.68E-07	Yes	RAP1GAP	0.0991757	40.8289	8.68539	0.1001757	40.8299	8.67094963	0.00014629	Yes
Rara	0.3588	0.086878	-0.271922	0.00033082	Yes	Rara	32.7305	16.7582	-0.965764	32.7315	16.7592	-0.9657264	0.00014629	Yes
Rbpms2	0.49659	0.1789	-0.31769	2.18E-06	Yes	Rbpms2	0.063712	47.2567	9.53474	0.064712	47.2577	9.51230043	0.00014629	Yes
Rcan1	0.14057	0.002174	-0.138396	2.88E-05	Yes	Rcan1	6.3815	64.6624	3.34096	6.3825	64.6634	3.34075583	0.00014629	Yes
Rdh10	0.23474	0.019568	-0.215172	1.12E-06	Yes	Rdh10	4.86377	8.67558	0.834886	4.86477	8.67658	0.8347549	0.0421247	Yes
Ret	0.064545	0.0099319	-0.0546131	0.00500595	Yes	RET	11.7312	0	-inf	11.7322	0.001	-13.518186	0.00014629	Yes
Rfx3	0.23934	0.071964	-0.167376	9.50E-05	Yes	Rfx3	6.51406	0.946754	-2.7825	6.51506	0.947754	-2.7811939	0.00014629	Yes
RGD1305347	0.18764	0.050059	-0.137581	0.00082506	Yes	RGD1305347	0	66.134	inf	0.001	66.135	16.0131264	0.00014629	Yes
RGD1310587	0.74687	0.041545	-0.705325	3.61E-07	Yes	RGD1310587	0	32.0979	inf	0.001	32.0989	14.9702362	0.00014629	Yes
RGD1560394	0.073559	0.018777	-0.054782	0.00226691	Yes	RGD1560394	0	2.45131	inf	0.001	2.45231	11.2599256	0.00014629	Yes
RGD1562218	0.79871	0.42194	-0.37677	0.00069112	Yes	RGD1562218	16.0892	9.82302	-0.711853	16.0902	9.82402	-0.7117969	0.00041099	Yes
RGD1566239	0.76696	0.37931	-0.38765	2.94E-05	Yes	RGD1566239	22.6248	42.9938	0.926228	22.6258	42.9948	0.92619338	0.00041099	Yes
Rgl1	0.27629	0.026798	-0.249492	3.61E-07	Yes	Rgl1	0.0578792	21.307	8.52407	0.0588792	21.308	8.4994214	0.00014629	Yes
Rgl3	0.18077	0.079441	-0.101329	0.00546968	Yes	Rgl3	0	57.6912	inf	0.001	57.6922	15.8160887	0.00014629	Yes
Rhcg	0.10762	0.02495	-0.08267	0.00011677	Yes	Rhcg	0	20.7418	inf	0.001	20.7428	14.340323	0.00014629	Yes
Rhobtb1	0.079233	0.0027735	-0.0764595	4.95E-06	Yes	Rhobtb1	3.75846	40.1361	3.41669	3.75946	40.1371	3.41633903	0.00014629	Yes
Rilpl1	0.16772	0.020498	-0.147222	3.61E-07	Yes	Rilpl1	0.364349	18.9742	5.70258	0.365349	18.9752	5.69869602	0.00028114	Yes
Rmdn3	0.60924	0.2267	-0.38254	0.00039347	Yes	Rmdn3	7.28598	15.1309	1.0543	7.28698	15.1319	1.05420021	0.00014629	Yes
Rnd2	0.33599	0.11811	-0.21788	0.00039347	Yes	Rnd2	0.16398	12.6295	6.26714	0.16498	12.6305	6.2584768	0.0234023	Yes
Rnf144b	0.2936	0.16394	-0.12966	0.0179568	Yes	Rnf144b	2.37468	4.31893	0.86294	2.37568	4.31993	0.86266741	0.00263402	Yes
Rnf186	0.91354	0.30255	-0.61099	8.91E-08	Yes	Rnf186	0.183748	6.2778	5.09446	0.184748	6.2788	5.08685821	0.0368719	Yes
Rnf26	0.61754	0.27838	-0.33916	0.00076943	Yes	Rnf26	11.7295	5.646	-1.05484	11.7305	5.647	-1.054708	0.00330073	Yes
Robo2	0.29403	0.068328	-0.225702	4.95E-06	Yes	Robo2	0	0.972359	inf	0.001	0.973359	9.9268282	0.00014629	Yes
Rpl13	0.38988	0.032722	-0.357158	0.00035126	Yes	Rpl13	4233.35	884.686	-2.25856	4233.351	884.687	-2.2585611	0.00014629	Yes
Rpl6	0.80487	0.48956	-0.31531	2.52E-06	Yes	Rpl6	2182.51	444.334	-2.29627	2182.511	444.335	-2.2962692	0.00014629	Yes
Rplp0	0.80835	0.46149	-0.34686	9.64E-09	Yes	Rplp0	3780.23	1189.29	-1.66838	3780.231	1189.291	-1.6683726	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rps10	0.50606	0.27025	-0.23581	8.00E-12	Yes	Rps10	2287.65	658.014	-1.79768	2287.651	658.015	-1.7976746	0.00014629	Yes
Rps17	0.69209	0.33615	-0.35594	1.09E-10	Yes	Rps17	6928.99	1739.39	-1.99407	6928.991	1739.391	-1.994063	0.00014629	Yes
Rps29	0.48962	0.084866	-0.404754	1.61E-12	Yes	RPS29	65.3857	6.04974	-3.43403	65.3867	6.05074	-3.4338137	0.00014629	Yes
Rps4y2	0.82803	0.29621	-0.53182	5.50E-09	Yes	Rps4y2	2.0375	18.0157	3.14438	2.0385	18.0167	3.14375492	0.00014629	Yes
Rsph9	0.35496	0.011181	-0.343779	1.61E-12	Yes	Rsph9	0.125601	20.33	7.33862	0.126601	20.331	7.32724857	0.00448672	Yes
RT1-Bb	0.23325	0.040943	-0.192307	5.48E-05	Yes	RT1-Bb	25.0908	36.2717	0.531686	25.0918	36.2727	0.53166817	0.0287968	Yes
Rtn1	0.059693	0.0076381	-0.0520549	2.05E-05	Yes	RTN1	0	2.33176	inf	0.001	2.33276	11.1878222	0.00014629	Yes
Runx1	0.38853	0.14262	-0.24591	5.11E-08	Yes	Runx1	25.2317	2.20708	-3.51502	25.2327	2.20808	-3.5144302	0.00014629	Yes
Runx3	0.68469	0.065701	-0.618989	2.57E-05	Yes	Runx3	38.8654	4.17573	-3.21838	38.8664	4.17673	-3.2180777	0.00014629	Yes
Sall1	0.0824	0.014767	-0.067633	9.67E-08	Yes	Sall1	0	22.2329	inf	0.001	22.2339	14.4404734	0.00014629	Yes
Sardh	0.13534	0.021818	-0.113522	0.00051431	Yes	Sardh	0.0442622	17.1325	8.59644	0.0452622	17.1335	8.56429747	0.00207488	Yes
Scin	0.67514	0.35674	-0.3184	0.00099362	Yes	Scin	1.61627	21.9409	3.76288	1.61727	21.9419	3.762056	0.00014629	Yes
Scrn1	0.11626	0.0494	-0.06686	0.00546968	Yes	Scrn1	14.2389	1.95079	-2.86771	14.2399	1.95179	-2.8670693	0.00014629	Yes
Scx	0.62119	0.072438	-0.548752	1.61E-12	Yes	Scx	0.507789	21.5333	5.4062	0.508789	21.5343	5.40342514	0.00751085	Yes
Sdc4	0.077069	0.0070465	-0.0700225	2.27E-09	Yes	Sdc4	0.301529	254.425	9.72073	0.302529	254.426	9.71595695	0.00041099	Yes
Sdccag3	0.44527	0.096683	-0.348587	3.61E-07	Yes	Sdccag3	28.5941	62.2855	1.12318	28.5951	62.2865	1.12315156	0.00014629	Yes
Sec23ip	0.62235	0.38351	-0.23884	0.02065846	Yes	Sec23ip	23.1676	11.5195	-1.00803	23.1686	11.5205	-1.0079675	0.00014629	Yes
Sema3b	0.75911	0.062356	-0.696754	9.47E-12	Yes	Sema3b	0.0323874	23.351	9.49384	0.0333874	23.352	9.45002665	0.00014629	Yes
Senp3	0.76163	0.48196	-0.27967	0.00470016	Yes	Senp3	27.6424	19.7992	-0.481445	27.6434	19.8002	-0.4814201	0.0341756	Yes
Serinc5	0.1055	0.0031512	-0.1023488	1.15E-05	Yes	Serinc5	2.53485	3.88386	0.615591	2.53585	3.88486	0.6153932	0.0296199	Yes
Serpinf2	0.82137	0.22827	-0.5931	5.62E-06	Yes	Serpinf2	22.3162	144.866	2.69856	22.3172	144.867	2.69850106	0.00014629	Yes
Serping1	0.35745	0.13825	-0.2192	0.00861735	Yes	Serping1	0	6.11266	inf	0.001	6.11366	12.5778206	0.00014629	Yes
Serpinh1	0.68389	0.034668	-0.649222	2.05E-11	Yes	Serpinh1	0	57.7257	inf	0.001	57.7267	15.8169511	0.00014629	Yes
Sertad1	0.062175	0.010397	-0.051778	0.00593418	Yes	Sertad1	2.59522	31.1349	3.5846	2.59622	31.1359	3.58409444	0.00014629	Yes
Sertad4	0.39093	0.68496	0.29403	0.00130689	Yes	Sertad4	0	1.07593	inf	0.001	1.07693	10.0727088	0.00014629	Yes
Sfrp1	0.087142	0.01069	-0.076452	3.21E-12	Yes	Sfrp1	0	2.06299	inf	0.001	2.06399	11.0112203	0.00014629	Yes
Shank2	0.075722	0.29953	0.223808	8.91E-08	Yes	Shank2	0	13.04	inf	0.001	13.041	13.6707669	0.00014629	Yes
Sipa1l2	0.093001	0.027723	-0.065278	0.00389713	Yes	Sipa1l2	0.0311292	2.39998	6.26861	0.0321292	2.40098	6.22359452	0.0248769	Yes
Slc12a3	0.7886	0.57737	-0.21123	0.02954396	Yes	Slc12a3	6.48119	17.5376	1.43612	6.48219	17.5386	1.43598038	0.0233164	Yes
Slc13a2	0.24207	0.074405	-0.167665	3.08E-05	Yes	Slc13a2	0	34.6164	inf	0.001	34.6174	15.0792098	0.00014629	Yes
Slc13a3	0.69516	0.2554	-0.43976	0.00099362	Yes	Slc13a3	0	152.583	inf	0.001	152.584	17.2192442	0.00014629	Yes
Slc21a4	0.89371	0.37705	-0.51666	3.66E-10	Yes	Slc21a4	0	30.0905	inf	0.001	30.0915	14.8770684	0.00014629	Yes
Slc22a4	0.09929	0.0087417	-0.0905483	0.00063283	Yes	Slc22a4	0.221183	7.64641	5.11147	0.222183	7.64741	5.10515088	0.0177285	Yes
Slc22a8	0.76452	0.041624	-0.722896	4.09E-10	Yes	Slc22a8	0	216.556	inf	0.001	216.557	17.7243873	0.00014629	Yes
Slc25a21	0.27258	0.067218	-0.205362	1.61E-12	Yes	Slc25a21	0	1.04573	inf	0.001	1.04673	10.0316736	0.0165164	Yes
Slc25a23	0.64865	0.078006	-0.570644	3.61E-07	Yes	Slc25a23	15.8464	99.0188	2.64355	15.8474	99.0198	2.64347087	0.00014629	Yes
Slc25a4	0.53341	0.18366	-0.34975	0.00057442	Yes	Slc25a4	43.2263	248.288	2.52204	43.2273	248.289	2.52200571	0.00014629	Yes
Slc26a1	0.76198	0.041468	-0.720512	0.00017692	Yes	Slc26a1	0.181472	21.3351	6.87734	0.182472	21.3361	6.86947758	0.00102864	Yes
Slc26a10	0.08041	0.012806	-0.067604	0.00014495	Yes	Slc26a10	67.5262	31.8455	-1.08436	67.5272	31.8465	-1.0843339	0.00041099	Yes
Slc2a8	0.074975	0.014944	-0.060031	2.88E-05	Yes	Slc2a8	2.77681	8.39304	1.59576	2.77781	8.39404	1.59541741	0.00014629	Yes
Slc30a2	0.073742	0.018082	-0.05566	7.78E-05	Yes	Slc30a2	0.101941	8.21487	6.33243	0.102941	8.21587	6.31852375	0.00014629	Yes
Slc34a2	0.079446	0.011462	-0.067984	2.51E-10	Yes	Slc34a2	0	27.6229	inf	0.001	27.6239	14.7536294	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc36a4	0.00049086	0.066974	0.06648314	1.61E-12	Yes	Slc36a4	5.96973	2.35708	-1.34066	5.97073	2.35808	-1.3402947	0.00014629	Yes
Slc38a3	0.068309	0.0086869	-0.0596221	0.00014495	Yes	Slc38a3	0	20.4031	inf	0.001	20.4041	14.3165715	0.00014629	Yes
Slc44a2	0.65508	0.12126	-0.53382	2.01E-08	Yes	Slc44a2	215.919	21.5627	-3.32388	215.92	21.5637	-3.3238202	0.00014629	Yes
Slc47a1	0.062221	0	-0.062221	1.46E-05	Yes	Slc47a1	0	67.5603	inf	0.001	67.5613	16.0439095	0.00014629	Yes
Slc9a3	0.087392	0.020217	-0.067175	2.57E-05	Yes	Slc9a3	0	18.58	inf	0.001	18.581	14.1815405	0.00014629	Yes
Smarcc1	0.44318	0.036773	-0.406407	1.63E-09	Yes	Smarcc1	24.968	6.89171	-1.85715	24.969	6.89271	-1.8569948	0.00014629	Yes
Smim3	0.0024607	0.36207	0.3596093	5.48E-05	Yes	Smim3	2.85858	21.3257	2.89922	2.85958	21.3267	2.89878557	0.00066215	Yes
Smim5	0.33783	0.13679	-0.20104	0.0030913	Yes	SMIM5	0.171086	14.1512	6.37005	0.172086	14.1522	6.3617528	0.00014629	Yes
Smyd2	0.77798	0.090983	-0.686997	3.61E-07	Yes	Smyd2	91.3593	50.4395	-0.856999	91.3603	50.4405	-0.8569848	0.0175479	Yes
Snx10	0.00041322	0.13397	0.13355678	0.00015888	Yes	Snx10	8.43812	1.94729	-2.11545	8.43912	1.94829	-2.1148841	0.00014629	Yes
Snx33	0.35	0.017169	-0.332831	1.63E-09	Yes	Snx33	1.94607	12.6028	2.69511	1.94707	12.6038	2.69448211	0.00014629	Yes
Socs3	0.047699	0.40942	0.361721	2.49E-07	Yes	Socs3	24.3041	72.909	1.58489	24.3051	72.91	1.58485763	0.00014629	Yes
Sox11	0.08258	0.011846	-0.070734	0.0001045	Yes	Sox11	0	2.00063	inf	0.001	2.00163	10.9669596	0.00014629	Yes
Sox17	0.3498	0.094459	-0.255341	0.02324623	Yes	Sox17	0	4.50243	inf	0.001	4.50343	12.1368085	0.00014629	Yes
Sox18	0.32511	0.054054	-0.271056	1.00E-06	Yes	Sox18	0	3.43878	inf	0.001	3.43978	11.7481006	0.00014629	Yes
Sp5	0.084078	0.030715	-0.053363	2.66E-10	Yes	Sp5	0	1.55232	inf	0.001	1.55332	10.6011394	0.00014629	Yes
Speg	0.30059	0.18799	-0.1126	0.03460571	Yes	Speg	2.81445	0.626856	-2.16665	2.81545	0.627856	-2.1648599	0.0317197	Yes
Sphk1	0.080036	0.01322	-0.066816	0.02450594	Yes	Sphk1	5.16074	28.3327	2.45682	5.16174	28.3337	2.45658963	0.00014629	Yes
Spint1	0.36172	0.029278	-0.332442	2.62E-08	Yes	Spint1	1.53966	33.5897	4.44734	1.54066	33.5907	4.44644144	0.00014629	Yes
Spock2	0.53083	0.16956	-0.36127	5.48E-05	Yes	Spock2	0.732438	3.3795	2.20603	0.733438	3.3805	2.20448973	0.00014629	Yes
Spry4	0.65982	0.27309	-0.38673	6.79E-09	Yes	Spry4	0.140068	1.06367	2.92485	0.141068	1.06467	2.91594366	0.0171742	Yes
Spryd3	0.37249	0.12574	-0.24675	5.62E-06	Yes	Spryd3	9.15533	25.3443	1.46898	9.15633	25.3453	1.46887688	0.00659461	Yes
Spsb4	0.14337	0.025151	-0.118219	4.95E-06	Yes	Spsb4	0	18.4925	inf	0.001	18.4935	14.1747307	0.00014629	Yes
Srsf12	0.0069033	0.089563	0.0826597	5.62E-06	Yes	Srsf12	27.7828	4.02513	-2.78708	27.7838	4.02613	-2.7867783	0.00014629	Yes
Ssh3	0.19762	0.02171	-0.17591	2.36E-08	Yes	Ssh3	2.14291	17.8294	3.05662	2.14391	17.8304	3.05602282	0.00014629	Yes
Ssr3	0.63955	0.52687	-0.11268	0.02592069	Yes	Ssr3	31.3961	17.647	-0.831165	31.3971	17.648	-0.8311266	0.00014629	Yes
St6galnac2	0.35208	0.16362	-0.18846	0.00210055	Yes	St6galnac2	0.0953604	52.3293	9.10001	0.0963604	52.3303	9.08499043	0.0115547	Yes
Stard10	0.10259	0.023899	-0.078691	0.00639124	Yes	Stard10	28.7123	229.394	2.99809	28.7133	229.395	2.99804289	0.00014629	Yes
Steap1	0.080845	0.021552	-0.059293	0.00187484	Yes	Steap1	0	3.38712	inf	0.001	3.38812	11.7262693	0.00014629	Yes
Stk3	0.35315	0.12538	-0.22777	4.59E-07	Yes	Stk3	2.10732	10.2324	2.27966	2.10832	10.2334	2.27911979	0.00014629	Yes
Stox2	0.030852	0.1776	0.146748	8.18E-10	Yes	Stox2	2.69889	0.500101	-2.43207	2.69989	0.501101	-2.4297273	0.00014629	Yes
Stub1	0.088032	0.01161	-0.076422	0.01658745	Yes	Stub1	63.1705	119.78	0.923062	63.1715	119.781	0.92305335	0.00296747	Yes
Stx16	0.16564	0.083194	-0.082446	0.00609843	Yes	Stx16	27.0166	14.9337	-0.855271	27.0176	14.9347	-0.8552313	0.00014629	Yes
Stx3	0.80513	0.33197	-0.47316	4.97E-05	Yes	Stx3	6.36819	15.2611	1.2609	6.36919	15.2621	1.26077167	0.00014629	Yes
Sult2b1	0.18082	0.070836	-0.109984	1.64E-07	Yes	Sult2b1	7.04219	41.7397	2.56732	7.04319	41.7407	2.56715389	0.00014629	Yes
Surf6	0.37755	0.00097656	-0.3765734	1.09E-10	Yes	Surf6	26.9335	15.8709	-0.763012	26.9345	15.8719	-0.7629804	0.00090728	Yes
Susd2	0.6173	0.11217	-0.50513	2.10E-08	Yes	Susd2	0.979213	39.9772	5.35141	0.980213	39.9782	5.34997443	0.00014629	Yes
Syne4	0.79242	0.041074	-0.751346	1.61E-12	Yes	Syne4	0.341571	6.60168	4.27258	0.342571	6.60268	4.2685768	0.0151721	Yes
Syngap1	0.017731	0.25091	0.233179	5.08E-11	Yes	Syngap1	0.571168	1.40262	1.29613	0.572168	1.40362	1.29464169	0.038868	Yes
Tacc1	0.00097471	0.076745	0.07577029	0.00021752	Yes	Tacc1	24.669	6.43589	-1.93849	24.67	6.43689	-1.938322	0.00014629	Yes
Tagln2	0.098853	0.013676	-0.085177	0.00041578	Yes	Tagln2	376.909	152.791	-1.30265	376.91	152.792	-1.3026511	0.00014629	Yes
Taok3	0.0010695	0.24762	0.2465505	0.00063283	Yes	Taok3	19.2168	1.04478	-4.20109	19.2178	1.04578	-4.1997919	0.0304953	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tbc1d9	0.22043	0.069546	-0.150884	0.00092018	Yes	Tbc1d9	0.0520793	6.58421	6.98216	0.0530793	6.58521	6.95493629	0.0494924	Yes
Tbkbp1	0.29027	0.05344	-0.23683	0.00130689	Yes	Tbkbp1	4.68399	0.842541	-2.47492	4.68499	0.843541	-2.4735159	0.00014629	Yes
Tbrg1	0.35162	0.13113	-0.22049	1.63E-09	Yes	Tbrg1	43.9343	29.1438	-0.592161	43.9353	29.1448	-0.592142	0.00649695	Yes
Tbx3	0.090594	0.025592	-0.065002	3.92E-09	Yes	Tbx3	0	1.02157	inf	0.001	1.02257	9.99798389	0.00014629	Yes
Tcf20	0.36918	0.16629	-0.20289	0.002433	Yes	Tcf20	33.0539	3.91097	-3.07922	33.0549	3.91197	-3.0788969	0.00014629	Yes
Tctex1d2	0.13743	0.010045	-0.127385	7.58E-05	Yes	Tctex1d2	0.259677	17.4295	6.06867	0.260677	17.4305	6.06320685	0.00586782	Yes
Tead1	0.10857	0.019364	-0.089206	0.00033082	Yes	Tead1	0.228931	11.1158	5.60155	0.229931	11.1168	5.59539677	0.00014629	Yes
Tfe3	0.063398	0.0059874	-0.0574106	0.00293459	Yes	Tfe3	4.78916	8.48773	0.825608	4.79016	8.48873	0.82547488	0.00352183	Yes
Tgfb1	0.78438	0.64748	-0.1369	0.03460571	Yes	Tgfb1	0.876669	5.55396	2.66341	0.877669	5.55496	2.66202767	0.00014629	Yes
Thbs2	0.36478	0.13662	-0.22816	0.00099362	Yes	Thbs2	0	1.82565	inf	0.001	1.82665	10.8349845	0.00014629	Yes
Thtpa	0.095996	0.018361	-0.077635	0.00743291	Yes	Thtpa	10.0229	22.6605	1.17688	10.0239	22.6615	1.17679943	0.0234023	Yes
Tifa	0.021044	0.16615	0.145106	2.69E-06	Yes	Tifa	1.73215	13.8481	2.99905	1.73315	13.8491	2.9983238	0.00149937	Yes
Tigd5	0.13504	0.077918	-0.057122	0.00455939	Yes	Tigd5	0.118511	1.14764	3.27557	0.119511	1.14864	3.26471139	0.0077167	Yes
Timm23	0.34451	0.042611	-0.301899	1.63E-09	Yes	Timm23	66.4009	124.939	0.911955	66.4019	124.94	0.91193901	0.00014629	Yes
Tk1	0.8054	0.42295	-0.38245	0.01439246	Yes	Tk1	1.26598	8.614	2.76643	1.26698	8.615	2.76545705	0.00014629	Yes
Tm4sf1	0.75085	0.20831	-0.54254	1.11E-08	Yes	Tm4sf1	0	11.9374	inf	0.001	11.9384	13.5433219	0.00014629	Yes
Tmc8	0.00064935	0.19485	0.19420065	3.61E-07	Yes	Tmc8	81.2836	9.84248	-3.04587	81.2846	9.84348	-3.0457417	0.00014629	Yes
Tmem104	0.12763	0.024825	-0.102805	0.00069112	Yes	Tmem104	10.3571	2.68538	-1.94742	10.3581	2.68638	-1.9470241	0.00014629	Yes
Tmem150a	0.095324	0.010392	-0.084932	0.00017692	Yes	Tmem150a	1.10721	147.647	7.05908	1.10821	147.648	7.05778671	0.00114835	Yes
Tmem163	0.22891	0.062262	-0.166648	0.002433	Yes	Tmem163	9.0628	0.198593	-5.51207	9.0638	0.199593	-5.504983	0.00384649	Yes
Tmem171	0.046135	0.0094451	-0.0366899	2.31E-06	Yes	Tmem171	0	71.7637	inf	0.001	71.7647	16.1309868	0.00014629	Yes
Tmem184a	0.66197	0.39193	-0.27004	0.00500595	Yes	Tmem184a	0	11.0855	inf	0.001	11.0865	13.4365164	0.00014629	Yes
Tmem231	0.2522	0.084765	-0.167435	7.78E-05	Yes	Tmem231	0.133483	2.5432	4.25192	0.134483	2.5442	4.24171637	0.0457453	Yes
Tmem30b	0.35996	0.1537	-0.20626	2.57E-05	Yes	Tmem30b	0	6.06845	inf	0.001	6.06945	12.5673501	0.00014629	Yes
Tmem45b	0.085103	0.022244	-0.062859	0.00039347	Yes	Tmem45b	0.0627473	3.49801	5.80084	0.0637473	3.49901	5.77843874	0.0182057	Yes
Tmem47	0.069289	0.013246	-0.056043	1.25E-06	Yes	Tmem47	0	3.00861	inf	0.001	3.00961	11.5553608	0.00014629	Yes
Tmem69	0.5575	0.083097	-0.474403	3.61E-07	Yes	Tmem69	3.69512	9.18386	1.31348	3.69612	9.18486	1.31324613	0.00014629	Yes
Tmod1	0.091389	0.031856	-0.059533	0.01439246	Yes	Tmod1	1.70375	8.95836	2.39452	1.70475	8.95936	2.39383549	0.00028114	Yes
Tmod4	0.89647	0.71135	-0.18512	2.00E-06	Yes	Tmod4	0.339061	7.17103	4.40256	0.340061	7.17203	4.39851606	0.00459197	Yes
Tmprss2	0.14603	0.031455	-0.114575	0.00343039	Yes	Tmprss2	0.131538	39.6216	8.23467	0.132538	39.6226	8.22377369	0.00014629	Yes
Tmsb4x	0	0.17762	0.17762	6.28E-09	Yes	Tmsb4x	17182	2492.34	-2.78532	17182.001	2492.341	-2.7853247	0.00014629	Yes
Tnfaip8	0.26234	0.032966	-0.229374	1.61E-12	Yes	Tnfaip8	82.5433	136.832	0.729179	82.5443	136.833	0.72917571	0.00014629	Yes
Tnfrsf9	0.83925	0.34403	-0.49522	6.57E-07	Yes	Tnfrsf9	3.43126	31.9068	3.21706	3.43226	31.9078	3.21667839	0.00014629	Yes
Tnfsf12	0.12249	0.0166	-0.10589	0.00063283	Yes	Tnfsf12	0.920806	20.5009	4.47665	0.921806	20.5019	4.47515065	0.00014629	Yes
Tpbp	0.13154	0.044116	-0.087424	0.00026594	Yes	Tpbp	0.590071	6.07879	3.36482	0.591071	6.07979	3.36261815	0.00014629	Yes
Tpm2	0.68723	0.25768	-0.42955	1.00E-06	Yes	Tpm2	0.134804	4.00893	4.89429	0.135804	4.00993	4.88397917	0.0128484	Yes
Tprn	0.19824	0.049562	-0.148678	0.0030913	Yes	Tprn	4.04678	16.0853	1.99089	4.04778	16.0863	1.99062975	0.00014629	Yes
Tpt1	0.38976	0.21776	-0.172	5.19E-08	Yes	Tpt1	12335.9	2883.56	-2.09694	12335.901	2883.561	-2.0969396	0.00014629	Yes
Trak2	0.41336	0.12056	-0.2928	8.00E-12	Yes	Trak2	18.3941	26.9421	0.55062	18.3951	26.9431	0.55059433	0.0330385	Yes
Trappc6a	0.77955	0.08109	-0.69846	1.61E-12	Yes	Trappc6a	39.9916	125.868	1.65415	39.9926	125.869	1.65411803	0.00014629	Yes
Trpm4	0.12342	0.018198	-0.105222	0.0179568	Yes	Trpm4	0.061637	2.62179	5.41061	0.062637	2.62279	5.38794337	0.00330073	Yes
Tsen54	0.124	0.0063575	-0.1176425	7.68E-06	Yes	Tsen54	9.78547	32.7282	1.74182	9.78647	32.7292	1.74171786	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tspan33	0.16384	0.0069273	-0.1569127	5.19E-08	Yes	Tspan33	0.441589	33.3759	6.23996	0.442589	33.3769	6.23673856	0.00014629	Yes
Tspan9	0.0073592	0.14054	0.1331808	0.00500595	Yes	Tspan9	0.146434	7.44203	5.66737	0.147434	7.44303	5.65774888	0.00014629	Yes
Ttc22	0.34319	0.2263	-0.11689	0.02834942	Yes	Ttc22	0.254439	2.34922	3.20679	0.255439	2.35022	3.2017451	0.00934853	Yes
Ttc39b	0.11598	0.005981	-0.109999	4.05E-07	Yes	Ttc39b	0.252429	3.57531	3.82412	0.253429	3.57631	3.81881827	0.00491494	Yes
Tuba1c	0.46002	0.16763	-0.29239	0.00047568	Yes	Tuba1c	113.483	224.518	0.984361	113.484	224.519	0.98434863	0.00014629	Yes
Tuba4a	0.80982	0.21494	-0.59488	3.61E-07	Yes	Tuba4a	32.2808	149.986	2.21608	32.2818	149.987	2.21604453	0.00014629	Yes
Tubb2a	0.0639	0.0062508	-0.0576492	0.00019529	Yes	Tubb2a	3.69481	60.6759	4.03755	3.69581	60.6769	4.03718488	0.00014629	Yes
Twf1	0.2904	0.13425	-0.15615	0.00082506	Yes	Twf1	28.4636	61.2743	1.10616	28.4646	61.2753	1.10613682	0.00014629	Yes
Twf2	0.35928	0.1517	-0.20758	0.00389713	Yes	Twf2	48.7576	7.90031	-2.62565	48.7586	7.90131	-2.6254929	0.00014629	Yes
Twist1	0.16078	0.014671	-0.146109	0.00011677	Yes	Twist1	0	5.52263	inf	0.001	5.52363	12.431401	0.00014629	Yes
Tysnd1	0.46787	0.061289	-0.406581	1.64E-06	Yes	Tysnd1	5.90745	26.0367	2.13994	5.90845	26.0377	2.1397504	0.00014629	Yes
Ubash3a	0.027829	0.22017	0.192341	0.00037405	Yes	Ubash3a	21.8853	1.08801	-4.3302	21.8863	1.08901	-4.328939	0.00014629	Yes
Ublcp1	0.12094	0.0048133	-0.1161267	7.96E-06	Yes	Ublcp1	14.588	21.2452	0.54236	14.589	21.2462	0.54232383	0.0196905	Yes
Uchl1	0.0034286	0.067537	0.0641084	0.0017172	Yes	Uchl1	5.7876	77.1663	3.73693	5.7886	77.1673	3.73670326	0.00014629	Yes
Ugt8	0.16622	0.024564	-0.141656	6.76E-05	Yes	Ugt8	0	24.4265	inf	0.001	24.4275	14.5762186	0.00014629	Yes
Uqcr11	0.15126	0.0333	-0.11796	0.00047568	Yes	Uqcr11	102.052	664.305	2.70254	102.053	664.306	2.70252935	0.00014629	Yes
Ush1c	0.30856	0.030655	-0.277905	2.62E-08	Yes	Ush1c	0	124.269	inf	0.001	124.27	16.9231185	0.00014629	Yes
Ushbp1	0.8022	0.43375	-0.36845	0.00051431	Yes	Ushbp1	0	2.34265	inf	0.001	2.34365	11.1945414	0.00014629	Yes
Usp44	0.0066809	0.13926	0.1325791	0.00343039	Yes	Usp44	27.6854	0.994837	-4.79852	27.6864	0.995837	-4.797124	0.00014629	Yes
Vasn	0.73109	0.11197	-0.61912	1.63E-09	Yes	Vasn	0.335289	9.59409	4.83867	0.336289	9.59509	4.83452284	0.00782085	Yes
Vat1	0.092361	0.0051713	-0.0871897	0.002433	Yes	Vat1	6.48751	41.3814	2.67325	6.48851	41.3824	2.67305819	0.00014629	Yes
Vav2	0.65857	0.10235	-0.55622	1.51E-10	Yes	Vav2	2.16754	9.55337	2.13995	2.16854	9.55437	2.13943669	0.00014629	Yes
Vps37d	0.90848	0.036118	-0.872362	1.61E-12	Yes	Vps37d	0.321132	27.6163	6.42621	0.322132	27.6173	6.42177649	0.00149937	Yes
Vstm2b	0.073837	0.010723	-0.063114	0.00017692	Yes	Vstm2b	0	2.77616	inf	0.001	2.77716	11.4393946	0.00014629	Yes
Wfdc2	0.54769	0.32565	-0.22204	0.00095974	Yes	Wfdc2	1.34916	155.749	6.85101	1.35016	155.75	6.84995797	0.00014629	Yes
Wipf1	0.0019208	0.28516	0.2832392	4.73E-05	Yes	Wipf1	87.899	3.38161	-4.70007	87.9	3.38261	-4.6996544	0.00014629	Yes
Wnt5a	0.061065	0.0068004	-0.0542646	5.62E-06	Yes	Wnt5a	0	1.51926	inf	0.001	1.52026	10.5701024	0.00014629	Yes
Wrap73	0.064918	0.013882	-0.051036	0.01658745	Yes	Wrap73	13.3836	5.03167	-1.41136	13.3846	5.03267	-1.4111781	0.00523722	Yes
Wt1	0.1233	0.02118	-0.10212	0.00259554	Yes	Wt1	0	2.87086	inf	0.001	2.87186	11.4877697	0.00014629	Yes
Xkr6	0.14834	0.01603	-0.13231	1.28E-06	Yes	Xkr6	0	2.44001	inf	0.001	2.44101	11.2532625	0.00618538	Yes
Yap1	0.13543	0.015252	-0.120178	2.36E-06	Yes	Yap1	0	26.111	inf	0.001	26.112	14.6724253	0.00014629	Yes
Ybx2	0.47938	0.13295	-0.34643	3.11E-08	Yes	Ybx2	0.687913	4.52265	2.71687	0.688913	4.52365	2.7150936	0.00014629	Yes
Zbtb10	0.17524	0.026708	-0.148532	0.00023951	Yes	Zbtb10	0.66379	1.47456	1.15149	0.66479	1.47556	1.150292	0.0343574	Yes
Zbtb17	0.41341	0.1645	-0.24891	0.01439246	Yes	Zbtb17	15.4209	29.5237	0.93699	15.4219	29.5247	0.93694188	0.00014629	Yes
Zc2hc1c	0.36849	0.032315	-0.336175	8.75E-07	Yes	Zc2hc1c	0.421191	3.3011	2.9704	0.422191	3.3021	2.96741608	0.0494924	Yes
Zc3h7b	0.6805	0.32766	-0.35284	0.00063283	Yes	Zc3h7b	14.1849	22.8208	0.685995	14.1859	22.8218	0.6859549	0.00207488	Yes
Zfp110	0.11203	0.017115	-0.094915	0.0030913	Yes	Zfp110	27.8523	7.34051	-1.92385	27.8533	7.34151	-1.9236995	0.00014629	Yes
Zfp148	0.11832	0.024077	-0.094243	0.00187484	Yes	Zfp148	22.6257	11.888	-0.928455	22.6267	11.889	-0.9283988	0.00126596	Yes
Zfp219	0.8395	0.25266	-0.58684	1.85E-09	Yes	Zfp219	15.1581	24.1755	0.673458	15.1591	24.1765	0.6734213	0.00802631	Yes
Zfp3	0.58366	0.18394	-0.39972	0.00051431	Yes	Zfp3	9.74629	4.21155	-1.2105	9.74729	4.21255	-1.2103074	0.00028114	Yes
Zfp358	0.52915	0.23406	-0.29509	0.00076943	Yes	Zfp358	6.69115	13.9139	1.0562	6.69215	13.9149	1.05608885	0.00014629	Yes
Zfp385a	0.069068	0.25313	0.184062	0.00357821	Yes	Zfp385a	0.366465	5.73701	3.96855	0.367465	5.73801	3.96487173	0.00014629	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Zfp46	0.89575	0.74741	-0.14834	0.02194182	Yes	Zfp46	2.03308	3.35965	0.724644	2.03408	3.36065	0.72436388	0.0184724	Yes
Zfp513	0.96346	0.11068	-0.85278	3.61E-07	Yes	Zfp513	31.9723	45.1278	0.497195	31.9733	45.1288	0.49718076	0.0320714	Yes
Zfp579	0.97001	0.86721	-0.1028	0.01139461	Yes	Zfp579	7.62405	15.3234	1.00711	7.62505	15.3244	1.00701189	0.00014629	Yes
Zfp703	0.2451	0.098371	-0.146729	0.00119585	Yes	Zfp703	0.907332	5.10786	2.49301	0.908332	5.10886	2.49170979	0.00014629	Yes
Zkscan5	0.37613	0.11471	-0.26142	1.00E-06	Yes	Zkscan5	4.15056	8.46827	1.02876	4.15156	8.46927	1.02858407	0.00028114	Yes
Zrsr1	0.49257	0.070708	-0.421862	2.65E-11	Yes	Zrsr1	11.8663	3.40281	-1.80207	11.8673	3.40381	-1.8017693	0.0245032	Yes
42795	0.35	0.031492	-0.318508	6.57E-07	No	42796	39.7484	98.375	1.3074	39.7494	98.376	1.30737331	0.00014629	No
Aaas	0.18974	0.051024	-0.138716	1.46E-05	No	42796	65.18	88.6817	0.444206	65.181	88.6827	0.44420121	0.0492361	No
Aard	0.077853	0.010119	-0.067734	5.90E-09	No	42801	89.6084	17.934	-2.32093	89.6094	17.935	-2.3208723	0.00014629	No
Aatk	0.6253	0.26249	-0.36281	4.44E-05	No	42802	2.20523	18.9882	3.1061	2.20623	18.9892	3.10552402	0.00014629	No
Abcb9	0.60879	0.20298	-0.40581	5.48E-05	No	42803	7.05119	17.5139	1.31256	7.05219	17.5149	1.3124395	0.00014629	No
Abcc9	0.064891	0.012375	-0.052516	1.61E-12	No	42979	368.106	49.5936	-2.8919	368.107	49.5946	-2.8918702	0.00014629	No
Abcg4	0.25387	0.063271	-0.190599	0.00157493	No	42982	0.114749	146.197	10.3152	0.115749	146.198	10.3027081	0.00184429	No
Abhd15	0.034686	0.19407	0.159384	1.61E-12	No	42984	171.977	2.38373	-6.17285	171.978	2.38473	-6.1722543	0.00014629	No
Abhd16b	0.88417	0.67258	-0.21159	0.00226691	No	42985	115.082	30.0401	-1.9377	115.083	30.0411	-1.9376652	0.00014629	No
Abo	0.16123	0.019654	-0.141576	0.00043492	No	42988	0.0993699	3.71424	5.22412	0.1003699	3.71524	5.21005682	0.0077167	No
Acot5	0.19576	0.075417	-0.120343	0.00051431	No	0610030E20 Rik	18.6022	7.8339	-1.24767	18.6032	7.8349	-1.247564	0.00090728	No
Acta1	0.2083	0.084999	-0.123301	9.50E-05	No	1100001G20 Rik	0	2.29835	inf	0.001	2.29935	11.1670104	0.00014629	No
Acta2	0.91311	0.14043	-0.77268	3.61E-07	No	1110034G24 Rik	17.1015	2.5068	-2.77021	17.1025	2.5078	-2.769713	0.00014629	No
Actn3	0.24313	0.10141	-0.14172	0.00016895	No	1110058L19 Rik	18.3963	72.179	1.97217	18.3973	72.18	1.97210509	0.00014629	No
Actr3b	0.72601	0.59318	-0.13283	0.02834942	No	1500011K16 Rik	63.7609	118.386	0.892754	63.7619	118.387	0.89274414	0.00053701	No
Adamts14	0.59811	0.3912	-0.20691	0.00851	No	1600014C10 Rik	18.5333	10.1954	-0.862205	18.5343	10.1964	-0.8621378	0.00014629	No
Adamts19	0.1202	0.054725	-0.065475	0.00187484	No	1700019D03 Rik	0.142184	14.6852	6.69046	0.143184	14.6862	6.68044705	0.0166081	No
Adamts4	0.54049	0.14512	-0.39537	4.13E-12	No	1700021F05 Rik	8.13722	23.2711	1.51593	8.13822	23.2721	1.51581621	0.00014629	No
Adamts4	0.15431	0.021994	-0.132316	0.002433	No	1700112E06 Rik	0.694122	49.9986	6.17056	0.695122	49.9996	6.16850654	0.0257873	No
Adamts5	0.10111	0.027737	-0.073373	0.00063283	No	1810009A15 Rik	51.7601	27.3924	-0.918067	51.7611	27.3934	-0.9180399	0.00041099	No
Adarb1	0.031527	0.13438	0.102853	0.00389713	No	1810037I17 Rik	32.9199	96.0088	1.54421	32.9209	96.0098	1.5441779	0.00014629	No
Adcy2	0.076913	0.018314	-0.058599	2.64E-06	No	1810043H04 Rik	45.6593	154.768	1.76113	45.6603	154.769	1.76110429	0.00028114	No
Adcy5	0.038538	0.098504	0.059966	0.01247474	No	2200002D01 Rik	0.703075	183.718	8.0296	0.704075	183.719	8.027556	0.0143044	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Adgrb2	0.73057	0.39639	-0.33418	0.02065846	No	2210018M11Rik	11.5322	3.29478	-1.80741	11.5332	3.29578	-1.807101	0.00014629	No
Adgre5	0.029176	0.41	0.380824	4.59E-07	No	2310030G06Rik	0.941749	33.7569	5.1637	0.942749	33.7579	5.16220763	0.00014629	No
Adgrl4	0.17718	0.091584	-0.085596	1.17E-06	No	2310067B10Rik	22.9091	12.6314	-0.858913	22.9101	12.6324	-0.858855	0.0158416	No
Ado	0.426	0.13222	-0.29378	0.00028703	No	2510003E04Rik	14.0883	21.3285	0.598285	14.0893	21.3295	0.59825021	0.00864487	No
Adprhl1	0.80706	0.4922	-0.31486	0.00084567	No	2610008E11Rik	9.4224	2.54091	-1.89075	9.4234	2.54191	-1.8903347	0.00014629	No
Adra1a	0.097888	0.29155	0.193662	0.00013873	No	2700089E24Rik	65.6329	49.2248	-0.415032	65.6339	49.2258	-0.4150265	0.0465228	No
Adra1d	0.15316	0.085299	-0.067861	0.00026594	No	2810408A11Rik	2.42139	36.7496	3.92382	2.42239	36.7506	3.92326474	0.00014629	No
Adra2c	0.21843	0.0396	-0.17883	6.57E-07	No	3110052M02Rik	14.2069	1.54327	-3.20253	14.2079	1.54427	-3.2016964	0.00014629	No
Adrb1	0.14329	0.03537	-0.10792	2.70E-08	No	3110057O12Rik	20.8663	2.57506	-3.0185	20.8673	2.57606	-3.0180058	0.00014629	No
Afap1l2	0.058534	0.0083147	-0.0502193	2.88E-05	No	3110082I17Rik	6.08617	14.1746	1.2197	6.08717	14.1756	1.21956624	0.011151	No
Agap3	0.021691	0.13812	0.116429	6.30E-06	No	4921507P07Rik	3.21893	1.43175	-1.1688	3.21993	1.43275	-1.1682424	0.0261464	No
Agxt	0.67299	0.3364	-0.33659	0.00357821	No	4930432K21Rik	1.59289	2.92105	0.874837	1.59389	2.92205	0.8744288	0.0469811	No
Ahnak	0.072469	0.0026667	-0.0698023	1.82E-05	No	4930451G09Rik	0.289337	1.57986	2.44897	0.290337	1.58086	2.44490927	0.0307655	No
Ajap1	0.31894	0.49064	0.1717	0.01344183	No	4930523C07Rik	22.0276	13.5481	-0.701225	22.0286	13.5491	-0.7011808	0.00161718	No
Ajuba	0.10746	0.017556	-0.089904	1.31E-09	No	4933426M11Rik	38.7204	14.0732	-1.46014	38.7214	14.0742	-1.4600782	0.00014629	No
Alg3	0.83824	0.58955	-0.24869	0.002433	No	5730508B09Rik	17.4127	6.07569	-1.51902	17.4137	6.07669	-1.5188652	0.00263402	No
Alox12b	0.19883	0.062123	-0.136707	0.00082506	No	5830473C10Rik	0.295128	43.1979	7.19347	0.296128	43.1989	7.18862986	0.00014629	No
Alox15b	0.22793	0.10543	-0.1225	0.00039347	No	5S_rRNA	46.7696	14.7306	-1.66675	46.7706	14.7316	-1.6666878	0.00014629	No
Alox5	0.11639	0.029013	-0.087377	1.60E-05	No	6430531B16Rik	0.590716	9.97539	4.07784	0.591716	9.97639	4.07554105	0.00576532	No
Alpi	0.67911	0.43142	-0.24769	0.00639124	No	9330171B17Rik	0.89338	4.96228	2.47366	0.89438	4.96328	2.47233401	0.0136225	No
Alpk3	0.79825	0.63337	-0.16488	0.01468717	No	9330182L06Rik	0	4.45714	inf	0.001	4.45814	12.1222262	0.00014629	No
Alx1	0.06049	0.0093208	-0.0511692	5.91E-10	No	A1cf	0	1.61526	inf	0.001	1.61626	10.6584436	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Alx4	0.24092	0.10146	-0.13946	0.04431681	No	A330021E22Rik	0	10.1137	inf	0.001	10.1147	13.3041659	0.00014629	No
Amigo2	0.8125	0.59722	-0.21528	0.00129612	No	A830010M2ORik	3.48758	1.07611	-1.6964	3.48858	1.07711	-1.6954743	0.00014629	No
Amigo3	0.88479	0.63013	-0.25466	0.00293459	No	Aacs	17.326	4.74584	-1.86821	17.327	4.74684	-1.8679826	0.00014629	No
Amz2	0.88355	0.70078	-0.18277	3.03E-05	No	Aadac	0	1.61823	inf	0.001	1.61923	10.6610922	0.00014629	No
Angpt4	0.76887	0.56824	-0.20063	0.02065846	No	Aadat	0	250.72	inf	0.001	250.721	17.9357233	0.00014629	No
Ank1	0.10857	0.024108	-0.084462	6.26E-05	No	Aaed1	1.45805	27.0391	4.21294	1.45905	27.0401	4.21199926	0.00014629	No
Ankrd23	0.89062	0.079875	-0.810745	3.61E-07	No	Aagab	34.2132	20.4691	-0.741102	34.2142	20.4701	-0.7410771	0.0183831	No
Ankrd34a	0.18492	0.063654	-0.121266	0.00092018	No	Aamdc	6.92282	31.912	2.20467	6.92382	31.913	2.20450411	0.00014629	No
Ankrd34b	0.080858	0.0055668	-0.0752912	8.95E-06	No	AAR2	5.50829	9.88825	0.844113	5.50929	9.88925	0.84399471	0.00053701	No
Anks1b	0.16758	0.093072	-0.074508	0.00546968	No	Aars	18.7258	103.399	2.46512	18.7268	103.4	2.46505988	0.00014629	No
Ano4	0.11896	0.014847	-0.104113	7.96E-08	No	Aarsd1	30.4481	43.4069	0.511573	30.4491	43.4079	0.51155804	0.0325224	No
Ap1s3	0.72074	0.45443	-0.26631	0.01344183	No	Aasdhppt	25.6884	36.5243	0.50774	25.6894	36.5253	0.50772293	0.0425528	No
Ap3b1	0.0757	0.022468	-0.053232	5.48E-05	No	Aass	0	58.4486	inf	0.001	58.4496	15.8349055	0.00014629	No
Ap3d1	0.35565	0.13481	-0.22084	7.96E-08	No	Abat	0.610551	26.8074	5.45637	0.611551	26.8084	5.45406849	0.00014629	No
Apc2	0.65345	0.088363	-0.565087	4.05E-07	No	Abca2	19.6492	54.244	1.46499	19.6502	54.245	1.46494617	0.00014629	No
Apob	0.83607	0.21984	-0.61623	3.61E-07	No	ABCA3	11.6641	31.6899	1.44194	11.6651	31.6909	1.44186996	0.00014629	No
Aqp1	0.77857	0.1825	-0.59607	3.61E-07	No	Abcb10	4.14868	8.6369	1.05786	4.14968	8.6379	1.05768053	0.00014629	No
Aqp5	0.17605	0.057739	-0.118311	5.48E-05	No	Abcb6	1.29654	49.222	5.24657	1.29754	49.223	5.24548167	0.00014629	No
Ar	0.15365	0.066924	-0.086726	0.01344183	No	Abcb7	11.3765	5.27576	-1.10861	11.3775	5.27676	-1.1084593	0.00041099	No
Arfrp1	0.46753	0.22703	-0.2405	0.01931414	No	Abcc1	12.3728	2.10961	-2.55212	12.3738	2.11061	-2.5515567	0.00014629	No
Arhgap27	0.77252	0.29279	-0.47973	8.91E-08	No	Abcc2	0.260665	1.12413	2.10854	0.261665	1.12513	2.10429883	0.00649695	No
Arhgap8	0.37482	0.20799	-0.16683	0.01008382	No	ABCC4	4.93591	25.5605	2.37253	4.93691	25.5615	2.37229225	0.00014629	No
Arhgef37	0.52004	0.15241	-0.36763	3.91E-05	No	Abcc5	42.8427	16.5684	-1.37061	42.8437	16.5694	-1.3705617	0.0419596	No
Arid3a	0.82568	0.60802	-0.21766	2.35E-07	No	Abcc6	0	20.7362	inf	0.001	20.7372	14.3399335	0.00014629	No
Arntl	0.063418	0.010854	-0.052564	0.00803385	No	Abcd1	12.2949	4.16084	-1.56311	12.2959	4.16184	-1.5628839	0.018934	No
Art1	0.69269	0.47076	-0.22193	6.26E-05	No	Abcd3	14.491	32.053	1.1453	14.492	32.054	1.14524769	0.00014629	No
Art4	0.085862	0.27154	0.185678	0.00683403	No	Abcd4	6.63617	11.5177	0.795436	6.63717	11.5187	0.79533777	0.00843988	No
Asb10	0.41736	0.058746	-0.358614	6.76E-05	No	Abce1	31.6187	14.7476	-1.1003	31.6197	14.7486	-1.1002457	0.00014629	No
Ascl1	0.11596	0.2214	0.10544	0.00834984	No	Abcf3	29.7905	46.7082	0.648823	29.7915	46.7092	0.64880597	0.0221218	No
Asic1	0.064389	0.014113	-0.050276	0.00259554	No	Abcg1	34.4469	5.43709	-2.66347	34.4479	5.43809	-2.6632441	0.00014629	No
Asic2	0.078896	0.022318	-0.056578	0.00130689	No	Abcg2	0.117935	19.7476	7.38754	0.118935	19.7486	7.37543324	0.00014629	No
Asic4	0.38102	0.67649	0.29547	4.97E-05	No	Abhd10	13.6123	6.33068	-1.10448	13.6133	6.33168	-1.1043566	0.00740907	No
Asmt	0.92467	0.80269	-0.12198	0.00059604	No	Abhd11	14.2549	34.0875	1.25778	14.2559	34.0885	1.257726	0.00014629	No
Asna1	0.62174	0.41959	-0.20215	0.01079042	No	Abhd12	11.6816	19.3046	0.724708	11.6826	19.3056	0.72465801	0.00395247	No
Asphd2	0.27328	0.058968	-0.214312	3.54E-07	No	Abhd13	8.49142	4.84428	-0.809724	8.49242	4.84528	-0.8095957	0.00720409	No
Astn1	0.071988	0.014874	-0.057114	1.61E-12	No	Abhd14b	0.497779	162.903	8.35429	0.498779	162.904	8.35140559	0.00014629	No
Atf7ip2	0.086067	0.010425	-0.075642	4.20E-05	No	Abhd17a	43.2646	103.933	1.2644	43.2656	103.934	1.26437537	0.00014629	No
Atp12a	0.061922	0.010001	-0.051921	0.00043492	No	Abhd17b	16.0806	9.37381	-0.77861	16.0816	9.37481	-0.7785496	0.00041099	No
Atp2b2	0.078454	0.0091742	-0.0692798	1.61E-12	No	Abhd17c	24.3317	166.646	2.77588	24.3327	166.647	2.77582703	0.00014629	No
Atp2c2	0.1792	0.014801	-0.164399	3.20E-09	No	Abhd2	7.35635	3.2444	-1.18104	7.35735	3.2454	-1.1807899	0.00126596	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Atp6v1g2	0.077112	0.0046357	-0.0724763	1.42E-11	No	Abhd3	0.132796	4.58743	5.11041	0.133796	4.58843	5.09989371	0.00352183	No
Azin2	0.30006	0.5305	0.23044	0.00546968	No	Abhd4	13.7689	32.0167	1.21741	13.7699	32.0177	1.21735159	0.00014629	No
B3galt4	0.14711	0.063331	-0.083779	0.00546968	No	Abhd5	6.03371	18.4438	1.61202	6.03471	18.4448	1.6118578	0.00014629	No
B3gat2	0.10798	0.018349	-0.089631	4.97E-05	No	Abi1	69.8286	13.8568	-2.33322	69.8296	13.8578	-2.3331405	0.00014629	No
B3gnt3	0.14208	0.031956	-0.110124	1.60E-05	No	Abi2	1.64556	3.8589	1.22961	1.64656	3.8599	1.22910839	0.00066215	No
B3gnt5	0.083884	0.025607	-0.058277	0.00099362	No	Abi3	16.8413	41.9161	1.3155	16.8423	41.9171	1.31544974	0.00078603	No
B3gnt8	0.73192	0.47089	-0.26103	0.00226691	No	Abl1	6.40303	8.89362	0.474017	6.40403	8.89462	0.47395291	0.0448712	No
B4galt2	0.11349	0.026243	-0.087247	1.12E-06	No	Ablim1	177.317	47.9359	-1.88715	177.318	47.9369	-1.8871305	0.00014629	No
B4gat1	0.33361	0.014412	-0.319198	4.05E-07	No	Ablim3	0	35.4432	inf	0.001	35.4442	15.1132619	0.00014629	No
Bace1	0.22401	0.051875	-0.172135	0.00293459	No	Abr	27.25	5.92254	-2.20197	27.251	5.92354	-2.2017777	0.00014629	No
Bace2	0.12243	0.031107	-0.091323	2.05E-05	No	Abrac1	286.602	73.8843	-1.95571	286.603	73.8853	-1.9556944	0.00014629	No
Barhl1	0.14645	0.061042	-0.085408	0.00039347	No	Abt1	34.4879	15.911	-1.11607	34.4889	15.912	-1.1160169	0.00014629	No
Batf3	0.10115	0.015047	-0.086103	3.83E-06	No	Abtb2	15.4447	7.19595	-1.10185	15.4457	7.19695	-1.1017477	0.00014629	No
Bbs4	0.64304	0.34742	-0.29562	4.63E-09	No	Acaa1a	19.4791	143.776	2.88383	19.4801	143.777	2.88375992	0.00014629	No
Bbs7	0.13649	0.013489	-0.123001	1.00E-06	No	Acaa2	32.3879	208.994	2.68994	32.3889	208.995	2.68989705	0.00014629	No
Bcan	0.079289	0.019893	-0.059396	1.09E-06	No	Acaca	4.54207	2.22327	-1.03067	4.54307	2.22427	-1.0303356	0.00014629	No
Bcat1	0.58632	0.18865	-0.39767	2.28E-07	No	Acacb	0.0816637	25.8066	8.30383	0.0826637	25.8076	8.28632633	0.00014629	No
Bcl3	0.13023	0.036049	-0.094181	2.28E-11	No	Acad10	4.67253	19.5617	2.06575	4.67353	19.5627	2.06552094	0.00014629	No
Bdh1	0.032074	0.21771	0.185636	0.00470016	No	Acad11	2.92872	22.2426	2.92498	2.92972	22.2436	2.9245556	0.00014629	No
Bdnf	0.11746	0.031031	-0.086429	4.44E-05	No	Acad9	10.2233	15.5784	0.607692	10.2243	15.5794	0.6076376	0.0114542	No
Bfsp1	0.21828	0.11755	-0.10073	0.00546968	No	Acadl	28.4837	124.918	2.13277	28.4847	124.919	2.13273381	0.00014629	No
Bhlhe23	0.070242	0.0096828	-0.0605592	2.81E-09	No	Acadm	45.2924	231.886	2.35607	45.2934	231.887	2.3560492	0.00014629	No
Bhmt2	0.6759	0.056997	-0.618903	3.61E-07	No	Acads	12.8531	58.1081	2.17662	12.8541	58.1091	2.17653551	0.00014629	No
Bik	0.02888	0.13346	0.10458	3.08E-05	No	Acadsb	3.20408	11.6561	1.8631	3.20508	11.6571	1.86277665	0.00014629	No
Bmi1	0.036057	0.12072	0.084663	1.86E-07	No	Acadvl	30.9427	95.918	1.6322	30.9437	95.919	1.63217091	0.00014629	No
Bmp3	0.10529	0.01409	-0.0912	4.44E-05	No	Acap1	418.374	267.545	-0.645009	418.375	267.546	-0.6450097	0.00689996	No
Bmp6	0.075607	0.010015	-0.065592	3.02E-06	No	Acap2	11.5088	3.34906	-1.78092	11.5098	3.35006	-1.7806039	0.00014629	No
Bmp8a	0.13625	0.044907	-0.091343	3.91E-05	No	Acap3	7.22378	12.4691	0.787535	7.22478	12.4701	0.78744747	0.00649695	No
Bmyc	0.101	0.029587	-0.071413	9.28E-06	No	Acat1	50.943	285.264	2.48534	50.944	285.265	2.4853186	0.00014629	No
Bnc1	0.12344	0.065183	-0.058257	0.03705648	No	Acbd3	23.4653	16.6237	-0.49729	23.4663	16.6247	-0.4972621	0.0343574	No
Boll	0.25654	0.09255	-0.16399	4.80E-08	No	Ace2	0	1.02927	inf	0.001	1.03027	10.0088068	0.00014629	No
Borcs6	0.18647	0.003354	-0.183116	8.95E-06	No	Ace3	0	1.25808	inf	0.001	1.25908	10.2981542	0.00014629	No
Borcs7	0.65081	0.3572	-0.29361	0.00343039	No	Acly	63.2474	34.6184	-0.869465	63.2484	34.6194	-0.8694483	0.00126596	No
Bpi	0.08006	0.015294	-0.064766	0.00593418	No	Acmsd	0	84.5415	inf	0.001	84.5425	16.3673892	0.00014629	No
Bpifb3	0.9333	0.66832	-0.26498	1.28E-06	No	Acn9	5.62881	67.4691	3.58333	5.62981	67.4701	3.58309016	0.00014629	No
Btbd16	0.56758	0.2643	-0.30328	3.65E-05	No	Aco1	6.24815	127.898	4.35542	6.24915	127.899	4.3552012	0.00014629	No
C1ql1	0.098434	0.025051	-0.073383	0.0001045	No	Aco2	43.6906	197.162	2.17398	43.6916	197.163	2.17396099	0.00014629	No
C1ql2	0.11704	0.020177	-0.096863	1.83E-06	No	Acot1	15.7328	96.0881	2.61059	15.7338	96.0891	2.61050564	0.00014629	No
C1qtnf2	0.47023	0.099843	-0.370387	4.44E-05	No	Acot13	5.99772	52.7799	3.1375	5.99872	52.7809	3.13728935	0.00014629	No
C1qtnf5	0.89271	0.38405	-0.50866	8.32E-09	No	Acot4	0	10.8043	inf	0.001	10.8053	13.3994515	0.0333784	No
C2cd4c	0.83021	0.22041	-0.6098	1.61E-12	No	Acot7	143.46	23.4744	-2.61149	143.461	23.4754	-2.6114369	0.00014629	No
Cacna1e	0.40191	0.12664	-0.27527	4.05E-07	No	Acot8	11.5472	39.4746	1.77339	11.5482	39.4756	1.7732932	0.00285806	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cacna1i	0.86519	0.1458	-0.71939	1.17E-11	No	Acox1	12.5341	91.2969	2.86471	12.5351	91.2979	2.86460817	0.00014629	No
Cacna1s	0.095408	0.023824	-0.071584	8.72E-09	No	Acox3	8.89017	18.8006	1.08049	8.89117	18.8016	1.08041026	0.00014629	No
Cacna2d1	0.071647	0.01786	-0.053787	4.97E-05	No	Acp1	40.0307	86.9841	1.11965	40.0317	86.9851	1.11962541	0.00014629	No
Cacna2d2	0.10411	0.0059998	-0.0981102	0.00293459	No	Acp2	4.60183	44.6198	3.2774	4.60283	44.6208	3.27712332	0.00014629	No
Cadm3	0.095697	0.007103	-0.088594	0.00039347	No	Acp5	72.0812	46.2284	-0.640844	72.0822	46.2294	-0.6408324	0.00219102	No
Calb1	0.063351	0.011228	-0.052123	1.55E-05	No	Acpl2	17.9693	5.434	-1.72545	17.9703	5.435	-1.7252626	0.00014629	No
Calb2	0.24221	0.032278	-0.209932	1.00E-06	No	Acpp	7.6894	2.64412	-1.54008	7.6904	2.64512	-1.5397255	0.00014629	No
Calcr	0.2174	0.089767	-0.127633	0.0090968	No	Acrbp	43.3953	64.7548	0.577446	43.3963	64.7558	0.57743737	0.0348116	No
Calhm1	0.7913	0.45609	-0.33521	2.34E-05	No	Acsf2	8.76896	12.8375	0.549881	8.76996	12.8385	0.54983449	0.0455798	No
Camk2n2	0.27751	0.086827	-0.190683	4.05E-07	No	Acsf3	4.50276	57.2839	3.66925	4.50376	57.2849	3.66895305	0.00014629	No
Cap2	0.090068	0.019933	-0.070135	1.82E-05	No	Acs1	3.50764	24.617	2.81108	3.50864	24.618	2.81072973	0.00014629	No
Capn3	0.76883	0.57881	-0.19002	0.01079042	No	Acs13	4.60664	9.79886	1.0889	4.60764	9.79986	1.08873314	0.00028114	No
Car13	0.63071	0.15071	-0.48	0.00051431	No	Acs14	7.54137	12.2373	0.698382	7.54237	12.2383	0.69831334	0.00090728	No
Car9	0.32101	0.043102	-0.277908	0.00082506	No	Acs15	39.3232	23.2588	-0.757605	39.3242	23.2598	-0.7575787	0.00028114	No
Cartpt	0.27015	0.077199	-0.192951	0.00357821	No	Acsm1	0	17.4576	inf	0.001	17.4586	14.0916503	0.00014629	No
Cass4	0.0021086	0.097697	0.0955884	0.00063283	No	Acsm2a	0	199.263	inf	0.001	199.264	17.6043216	0.00014629	No
Cav3	0.87613	0.42089	-0.45524	2.36E-06	No	Acsm3	0.0302228	83.6339	11.4342	0.0312228	83.6349	11.3872895	0.0399122	No
Cbln1	0.12363	0.02783	-0.0958	4.94E-10	No	ACSM5	0	13.4078	inf	0.001	13.4088	13.7108925	0.00014629	No
Cbln4	0.06961	0.012006	-0.057604	1.61E-12	No	Acss1	81.8414	54.3965	-0.589317	81.8424	54.3975	-0.5893081	0.00374149	No
Ccdc105	0.12677	0.051338	-0.075432	0.03705648	No	Acss2	4.36684	59.9177	3.77832	4.36784	59.9187	3.77801441	0.00014629	No
Ccdc166	0.39854	0.14118	-0.25736	0.00099362	No	Acss3	0	33.3944	inf	0.001	33.3954	15.0273618	0.00014629	No
Ccdc184	0.07753	0.016871	-0.060659	0.00639124	No	Actb	4001.73	1237.56	-1.69312	4001.731	1237.561	-1.6931246	0.00014629	No
Ccdc24	0.65661	0.18414	-0.47247	1.11E-08	No	Actg1	446.203	877.323	0.975406	446.204	877.324	0.97540629	0.00014629	No
Ccdc67	0.6091	0.037203	-0.571897	2.62E-08	No	Actn4	69.4088	137.714	0.988483	69.4098	137.715	0.98847443	0.00014629	No
Ccdc89	0.29309	0.031634	-0.261456	3.61E-07	No	Actr1b	14.8995	24.2263	0.701306	14.9005	24.2273	0.70127289	0.00078603	No
Ccer1	0.56743	0.67272	0.10529	0.00147059	No	Actr2	204.022	52.1984	-1.96664	204.023	52.1994	-1.9666267	0.00014629	No
Cd248	0.61631	0.12249	-0.49382	1.06E-11	No	Actr3	396.463	88.4937	-2.16354	396.464	88.4947	-2.1635269	0.00014629	No
Cd300lb	0.77157	0.69812	-0.07345	0.004217	No	Actr8	17.6032	36.1792	1.03932	17.6042	36.1802	1.03928072	0.00984666	No
Cd52	0.68059	0.46217	-0.21842	1.00E-06	No	Acvr1b	6.83945	11.3629	0.732377	6.84045	11.3639	0.7322949	0.0160279	No
Cd7	0.010817	0.16777	0.156953	0.02194182	No	Acvr2a	10.4452	4.33807	-1.26771	10.4462	4.33907	-1.2675205	0.0210972	No
Cdc42ep3	0.116	0.013636	-0.102364	3.65E-05	No	Acy1	14.1531	611.499	5.43316	14.1541	611.5	5.43306058	0.00014629	No
Cdc42ep5	0.67359	0.13324	-0.54035	1.80E-06	No	Acyp2	0.262948	10.1375	5.26878	0.263948	10.1385	5.26344668	0.00014629	No
Cdh13	0.48549	0.27771	-0.20778	9.32E-05	No	Ada	21.0652	10.7514	-0.970334	21.0662	10.7524	-0.9702714	0.00053701	No
Cdh22	0.11089	0.0086671	-0.1022229	2.90E-09	No	Adal	5.73041	1.1933	-2.26369	5.73141	1.1943	-2.2627248	0.00053701	No
Cdh8	0.13636	0.028301	-0.108059	0.00293459	No	Adam10	69.1067	7.47446	-3.20878	69.1077	7.47546	-3.2086122	0.00014629	No
Cdk5r1	0.24658	0.11331	-0.13327	0.00022947	No	Adam17	17.9345	9.46366	-0.922269	17.9355	9.46466	-0.9221954	0.00014629	No
Cdk5r2	0.09488	0.0209	-0.07398	2.28E-05	No	Adam22	0.00368189	7.71689	11.0334	0.00468189	7.71789	10.6868997	0.00014629	No
Cdx2	0.059802	0.025048	-0.034754	0.00039347	No	Adam23	0.0637067	3.59188	5.81715	0.0647067	3.59288	5.79508184	0.00761239	No
Ceacam4	0.82612	0.7481	-0.07802	0.01931414	No	Adam33	0	1.9645	inf	0.001	1.9655	10.9406806	0.00533979	No
Cebpe	0.91511	0.49261	-0.4225	1.80E-06	No	Adam9	2.17136	7.37744	1.76452	2.17236	7.37844	1.76405262	0.00014629	No
Cela1	0.0133	0.1098	0.0965	0.00389713	No	Adamts1	0	11.6196	inf	0.001	11.6206	13.5043969	0.00014629	No
Celf3	0.32118	0.16024	-0.16094	0.0017172	No	Adamts10	52.8873	23.2184	-1.18765	52.8883	23.2194	-1.1876179	0.00513162	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Celf4	0.060739	0.0086462	-0.0520928	0.0001045	No	Adamts16	0.00456002	0.924368	7.66328	0.00556002	0.925368	7.37879333	0.0145969	No
Celsr3	0.084172	0.02416	-0.060012	1.94E-10	No	Adamts9	0	1.15044	inf	0.001	1.15144	10.1692235	0.00014629	No
Cfb	0.52427	0.26904	-0.25523	0.02450594	No	Adamts1	0	1.10179	inf	0.001	1.10279	10.1069424	0.00544794	No
Cfd	0.32391	0.078984	-0.244926	2.45E-08	No	Adap1	1.68624	10.0366	2.57338	1.68724	10.0376	2.57267725	0.00014629	No
Chad	0.93621	0.80895	-0.12726	0.00546968	No	Adar	35.8505	13.9455	-1.3622	35.8515	13.9465	-1.3621304	0.00014629	No
Chd5	0.25831	0.045453	-0.212857	1.60E-05	No	Adat1	2.27328	0.793024	-1.51934	2.27428	0.794024	-1.5181554	0.0184724	No
Chmp4c	0.083385	0.02398	-0.059405	7.96E-06	No	Adat2	26.6154	3.96432	-2.74712	26.6164	3.96532	-2.7468063	0.00014629	No
Chrd	0.038494	0.18759	0.149096	0.00186957	No	Adc	0	0.967004	inf	0.001	0.968004	9.9188692	0.00014629	No
Chrm1	0.64198	0.35578	-0.2862	0.0017172	No	Adck1	4.42768	13.6173	1.62082	4.42868	13.6183	1.62059796	0.00014629	No
Chrm4	0.10844	0.022671	-0.085769	0.00470016	No	Adck3	9.84271	27.8641	1.50128	9.84371	27.8651	1.50118527	0.00014629	No
Chrna3	0.087169	0.026695	-0.060474	0.00546968	No	Adck4	12.3909	57.3335	2.2101	12.3919	57.3345	2.21000611	0.00014629	No
Chrna4	0.22647	0.14577	-0.0807	0.00071224	No	Adck5	20.8832	58.2785	1.48062	20.8842	58.2795	1.48057662	0.0181078	No
Chst5	0.092974	0.031115	-0.061859	0.00099362	No	Adcy4	1.31761	8.18366	2.63482	1.31861	8.18466	2.63390456	0.00078603	No
Chst8	0.15165	0.024699	-0.126951	9.50E-05	No	Adcy7	50.5002	5.70459	-3.14609	50.5012	5.70559	-3.1458697	0.00502315	No
Ciart	0.12868	0.036986	-0.091694	0.04893177	No	Add1	204.493	138.794	-0.559104	204.494	138.795	-0.5591029	0.0143989	No
Cilp2	0.12704	0.0154	-0.11164	0.00011677	No	Add3	203.964	31.5277	-2.69362	203.965	31.5287	-2.693584	0.00014629	No
Ckmt1b	0.147	0.020622	-0.126378	3.08E-05	No	Adh1	0	71.291	inf	0.001	71.292	16.1214526	0.00014629	No
Cks1b	0.26557	0.051817	-0.213753	0.00130689	No	Adhfe1	0.0877421	101.094	10.1701	0.0887421	101.095	10.1538053	0.00597292	No
Cldn11	0.05724	0.0049746	-0.0522654	7.90E-07	No	Adi1	24.8243	106.319	2.09858	24.8253	106.32	2.09852995	0.00014629	No
Cldn3	0.12108	0.042708	-0.078372	0.00935402	No	Adipor1	40.4839	90.5817	1.16187	40.4849	90.5827	1.16185163	0.00014629	No
Cldn4	0.42149	0.090576	-0.330914	1.61E-12	No	Adipor2	30.3727	17.4924	-0.796044	30.3737	17.4934	-0.7960119	0.00014629	No
Cldn5	0.1159	0.041338	-0.074562	0.00259554	No	Adk	34.2319	87.3959	1.35222	34.2329	87.3969	1.35219859	0.00014629	No
Cldn8	0.86964	0.55211	-0.31753	0.00015888	No	Adm2	0	64.834	inf	0.001	64.835	15.9844852	0.00014629	No
Clec14a	0.11169	0.029976	-0.081714	2.05E-05	No	Adora1	0	4.26814	inf	0.001	4.26914	12.0597298	0.00014629	No
Clic6	0.10064	0.027005	-0.073635	0.00090703	No	Adpgk	14.353	3.71552	-1.94972	14.354	3.71652	-1.9494285	0.00014629	No
Clmp	0.1319	0.037712	-0.094188	1.02E-05	No	Adprh	34.0636	14.1764	-1.26474	34.0646	14.1774	-1.2646803	0.00014629	No
Clps	0.7218	0.26667	-0.45513	1.61E-12	No	Adprm	26.2586	17.5352	-0.582543	26.2596	17.5362	-0.5825088	0.0228585	No
Clvs2	0.17951	0.01834	-0.16117	4.05E-07	No	Adrbk1	140.835	20.4249	-2.78561	140.836	20.4259	-2.7855446	0.00014629	No
Cmss1	0.3745	0.13032	-0.24418	1.12E-06	No	Adrm1	47.3392	95.2054	1.00801	47.3402	95.2064	1.00799276	0.00014629	No
Cnfn	0.1272	0.041303	-0.085897	0.0030913	No	Adsl	79.9029	120.486	0.592548	79.9039	120.487	0.59253967	0.00720409	No
Cnksr1	0.28005	0.023381	-0.256669	1.61E-12	No	Aebp1	0.0752093	6.33041	6.39524	0.0762093	6.33141	6.37641595	0.027611	No
Cnn1	0.081411	0.020817	-0.060594	0.00011677	No	Aebp2	16.2631	7.95434	-1.03178	16.2641	7.95534	-1.0316955	0.00014629	No
Cnm1	0.33103	0.10339	-0.22764	6.96E-06	No	Afap111	0.100217	8.89937	6.47251	0.101217	8.90037	6.45834179	0.0114542	No
Cntn4	0.05678	0.0038726	-0.0529074	2.60E-06	No	Aff1	22.4963	12.1773	-0.885491	22.4973	12.1783	-0.8854391	0.00014629	No
Col11a2	0.41158	0.15798	-0.2536	2.10E-08	No	Aff4	13.4296	5.43481	-1.30511	13.4306	5.43581	-1.3049568	0.00014629	No
Col1a1	0.47952	0.27045	-0.20907	0.00210055	No	Afg3l1	10.3167	21.7773	1.07785	10.3177	21.7783	1.07776994	0.00470105	No
Col23a1	0.094117	2.50E-07	-0.0941168	3.41E-06	No	Afmid	1.51322	49.9419	5.04456	1.51422	49.9429	5.04363286	0.00014629	No
Col26a1	0.26353	0.056015	-0.207515	2.27E-09	No	Agap1	5.65461	14.1709	1.32543	5.65561	14.1719	1.32527865	0.00014629	No
Col5a3	0.10169	0.021104	-0.080586	0.00015888	No	Agbl3	9.13853	44.0296	2.26844	9.13953	44.0306	2.26831462	0.00014629	No
Commd5	0.60442	0.11811	-0.48631	1.02E-05	No	Agfg1	25.6358	11.5838	-1.14606	25.6368	11.5848	-1.1459831	0.00014629	No
Comp	0.10324	0.051441	-0.051799	0.00082506	No	Agfg2	11.3975	19.105	0.745232	11.3985	19.106	0.74518179	0.00066215	No
Corin	0.066434	0.0094916	-0.0569424	9.50E-05	No	Ago1	20.6124	6.40821	-1.68552	20.6134	6.40921	-1.685364	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Cort	0.66829	0.40768	-0.26061	0.00861735	No	Ago2	6.19978	1.97769	-1.6484	6.20078	1.97869	-1.6479041	0.00014629	No
Cox6b2	0.90722	0.63265	-0.27457	0.00041578	No	Agpat1	27.0815	68.9997	1.34928	27.0825	69.0007	1.34925008	0.0443573	No
Cpeb1	0.091175	0.014072	-0.077103	4.27E-06	No	Agpat2	1.48295	15.2866	3.36573	1.48395	15.2876	3.36484755	0.00014629	No
Cplx1	0.16275	0.064359	-0.098391	1.46E-05	No	Agpat3	25.072	56.6505	1.17601	25.073	56.6515	1.17597953	0.00014629	No
Cpne6	0.71369	0.17734	-0.53635	9.66E-07	No	Agpat4	1.98049	7.13831	1.84972	1.98149	7.13931	1.84919896	0.00014629	No
Cpne9	0.20337	0.027038	-0.176332	6.96E-06	No	Agpat9	0.268897	7.2231	4.74749	0.269897	7.2241	4.74233702	0.00014629	No
Cpt1c	0.10485	0.0075379	-0.0973121	0.00043492	No	Agrn	1.56366	34.9667	4.48298	1.56466	34.9677	4.48210181	0.00014629	No
Cpxm2	0.12363	0.038567	-0.085063	0.01079042	No	Agtbbp1	3.99733	46.5382	3.54131	3.99833	46.5392	3.54097696	0.00014629	No
Crabp2	0.61217	0.19704	-0.41513	0.00017692	No	Agtrap	7.84099	30.6492	1.96674	7.84199	30.6502	1.96660478	0.00014629	No
Cracr2b	0.17597	0.011452	-0.164518	4.44E-05	No	Agxt2	0	324.691	inf	0.001	324.692	18.3087123	0.00014629	No
Crb2	0.64554	0.15763	-0.48791	3.61E-07	No	Ahctf1	14.1775	6.58285	-1.10682	14.1785	6.58385	-1.1067015	0.00014629	No
Creb3l4	0.80018	0.40078	-0.3994	0.00094018	No	Ahcy	37.0222	50.096	0.436305	37.0232	50.097	0.43629462	0.0399122	No
Crhbp	0.07191	0.016857	-0.055053	5.76E-05	No	Ahcyl2	8.618	41.6303	2.27221	8.619	41.6313	2.27207621	0.00014629	No
Crhr1	0.094866	0.012638	-0.082228	5.68E-07	No	Ahdc1	6.3608	12.8292	1.01215	6.3618	12.8302	1.01203674	0.0260584	No
Crnde	0.12826	0.02392	-0.10434	9.50E-05	No	Ahsa1	94.8159	70.7961	-0.421459	94.8169	70.7971	-0.421454	0.0406144	No
Crtac1	0.068268	0.013448	-0.05482	1.75E-08	No	Ahsa2	40.2191	21.5645	-0.899223	40.2201	21.5655	-0.8991915	0.0156475	No
Cryba2	0.082019	0.029372	-0.052647	0.00031034	No	Al462493	44.9647	127.389	1.50238	44.9657	127.39	1.5023552	0.00014629	No
Crygn	0.52415	0.42962	-0.09453	0.04564406	No	Al467606	68.194	18.0098	-1.92086	68.195	18.0108	-1.9208037	0.00874754	No
Csmd1	0.12442	0.043532	-0.080888	6.76E-05	No	Aida	26.4073	11.7749	-1.16523	26.4083	11.7759	-1.1651541	0.00014629	No
Cspg4	0.19871	0.096578	-0.102132	5.21E-07	No	Aif1	1.98688	22.3873	3.4941	1.98788	22.3883	3.49344241	0.0234023	No
Ctnna2	0.099694	0.017659	-0.082035	1.27E-05	No	Aif1l	0.0813081	217.863	11.3877	0.0823081	217.864	11.3701058	0.00307875	No
Cubn	0.79888	0.17071	-0.62817	7.50E-08	No	Aifm1	33.6562	61.7295	0.875091	33.6572	61.7305	0.87506832	0.00014629	No
Cuedc1	0.82166	0.56975	-0.25191	4.27E-06	No	Aifm2	0.517997	7.00732	3.75785	0.518997	7.00832	3.75527055	0.00014629	No
Cul9	0.90598	0.83118	-0.0748	0.01093755	No	Aig1	6.78595	3.35661	-1.01554	6.78695	3.35761	-1.0153287	0.0492361	No
Cux2	0.21528	0.024346	-0.190934	0.00011677	No	Aim1	2.58399	0.400187	-2.69085	2.58499	0.401187	-2.6878119	0.00014629	No
Cxcl1	0.52855	0.2297	-0.29885	0.00683403	No	Aim1l	0.409203	1.15765	1.50031	0.410203	1.15865	1.49803488	0.00649695	No
Cxcl14	0.064005	0.008908	-0.055097	4.22E-10	No	Aim2	37.1858	3.53551	-3.39476	37.1868	3.53651	-3.3943924	0.00014629	No
Cxcl6	0.083562	0.014455	-0.069107	0.00047568	No	Aimp2	21.0665	57.6898	1.45337	21.0675	57.6908	1.45332214	0.00459197	No
Cyp1b1	0.047141	0.018551	-0.02859	4.27E-06	No	Ak1	0	9.64009	inf	0.001	9.64109	13.2349805	0.00014629	No
Cyp2t1	0.25088	0.023127	-0.227753	2.94E-08	No	Ak3	63.45	233.034	1.87685	63.451	233.035	1.87683185	0.00014629	No
Cyp4x1	0.10777	0.16002	0.05225	0.01520153	No	Akap1	4.32261	9.53396	1.14117	4.32361	9.53496	1.14099049	0.00014629	No
Cysrt1	0.24407	0.021796	-0.222274	8.75E-07	No	Akap10	10.5471	5.07839	-1.0544	10.5481	5.07939	-1.054256	0.00014629	No
Dagla	0.070058	0.017995	-0.052063	1.61E-12	No	Akap13	48.6206	8.24473	-2.56002	48.6216	8.24573	-2.5598782	0.00014629	No
Dao	0.85206	0.07608	-0.77598	1.09E-11	No	Akap17b	13.1839	1.23863	-3.41196	13.1849	1.23963	-3.4109051	0.00014629	No
Dbx1	0.18193	0.026022	-0.155908	1.26E-10	No	Akap2	4.80092	29.4767	2.61819	4.80192	29.4777	2.61794069	0.00014629	No
Dcc	0.074913	0.020308	-0.054605	3.93E-06	No	Akap7	1.7063	5.80174	1.76562	1.7073	5.80274	1.7650177	0.00014629	No
Dcdc2c	0.79485	0.62299	-0.17186	0.00375402	No	Akap8	81.2538	49.594	-0.712271	81.2548	49.595	-0.7122584	0.00014629	No
Dclk2	0.099374	0.044103	-0.055271	0.00037405	No	Akirin1	54.0237	15.5002	-1.8013	54.0247	15.5012	-1.8012393	0.00014629	No
Ddx3y	0.53803	0.74489	0.20686	7.90E-07	No	Akna	58.1916	3.62165	-4.00609	58.1926	3.62265	-4.0057184	0.00014629	No
Depdc7	0.83296	0.15173	-0.68123	4.27E-06	No	Akr1a1	168.743	1009.57	2.58085	168.744	1009.571	2.58083426	0.00014629	No
Des	0.16355	0.020789	-0.142761	2.88E-05	No	Akr1b1	78.9207	34.7773	-1.18226	78.9217	34.7783	-1.1822346	0.00014629	No
Dffb	0.83329	0.70237	-0.13092	0.00834984	No	AKR1B10	0	1.26069	inf	0.001	1.26169	10.3011418	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dhh	0.094942	0.0080923	-0.0868497	6.26E-05	No	Akr1c1	0	207.598	inf	0.001	207.599	17.66344	0.00014629	No
Dkk3	0.23414	0.10272	-0.13142	0.00389713	No	Akr1c12	0	2.86202	inf	0.001	2.86302	11.483322	0.00014629	No
Dkk1	0.73046	0.45971	-0.27075	0.00259554	No	Akr1c12l1	0	208.145	inf	0.001	208.146	17.6672363	0.00014629	No
Dlg2	0.3291	0.0829	-0.2462	4.22E-08	No	Akr1e2	1.03624	48.4305	5.54649	1.03724	48.4315	5.54512403	0.00014629	No
Dlgap2	0.10802	0.026707	-0.081313	0.00051431	No	Akr7a2	17.7899	383.733	4.43098	17.7909	383.734	4.4308952	0.00014629	No
Dlk1	0.11972	0.015895	-0.103825	3.91E-05	No	Akt1s1	61.742	91.8177	0.57252	61.743	91.8187	0.57251242	0.00566132	No
Dlk2	0.15108	0.041367	-0.109713	0.002433	No	Akt2	52.1911	21.0022	-1.31327	52.1921	21.0032	-1.3132223	0.00014629	No
Dll1	0.033263	0.31517	0.281907	0.00059604	No	Akt3	16.1339	2.56102	-2.6553	16.1349	2.56202	-2.654831	0.00252712	No
Dll3	0.1577	0.04059	-0.11711	1.61E-12	No	Aktip	8.72312	99.9194	3.51785	8.72412	99.9204	3.51769773	0.00014629	No
Dlx3	0.24638	0.11695	-0.12943	0.01658745	No	Alad	5.35418	120.071	4.48707	5.35518	120.072	4.48682088	0.00014629	No
Dmrt1	0.12546	0.038926	-0.086534	0.00119585	No	Alas1	6.17348	42.1037	2.76979	6.17448	42.1047	2.76959174	0.00014629	No
Dmrta1	0.14242	0.016751	-0.125669	3.61E-07	No	Alas2	0.379239	6.28055	4.04971	0.380239	6.28155	4.04614218	0.00219102	No
Dnai2	0.73391	0.54999	-0.18392	0.01520153	No	Alcam	0.582501	3.00161	2.3654	0.583501	3.00261	2.36341007	0.00053701	No
Dock6	0.17924	0.095289	-0.083951	0.02324623	No	Aldh16a1	12.7181	62.9521	2.30737	12.7191	62.9531	2.30728083	0.00014629	No
Dok5	0.088526	0.019819	-0.068707	1.57E-06	No	Aldh18a1	7.62976	2.05149	-1.89496	7.63076	2.05249	-1.8944516	0.00014629	No
Dpm1	0.40214	0.21682	-0.18532	2.93E-07	No	Aldh1a1	0	271.146	inf	0.001	271.147	18.0487157	0.00014629	No
Dpysl4	0.07678	0.011572	-0.065208	0.00014495	No	Aldh1l1	0	265.256	inf	0.001	265.257	18.0170313	0.00014629	No
Dpysl5	0.10446	0.019483	-0.084977	7.03E-05	No	ALDH2	74.8817	134.952	0.84976	74.8827	134.953	0.84975269	0.00014629	No
Drc1	0.69213	0.065628	-0.626502	2.54E-12	No	Aldh5a1	1.66632	5.22282	1.64816	1.66732	5.22382	1.64757417	0.0319849	No
Drd2	0.098219	0.017661	-0.080558	8.52E-05	No	Aldh6a1	7.32256	143.201	4.28955	7.32356	143.202	4.28936272	0.00014629	No
Drd5	0.13424	0.027751	-0.106489	8.95E-06	No	Aldh7a1	0.879623	174.456	7.63176	0.880623	174.457	7.63013125	0.00014629	No
Drgx	0.17278	0.039618	-0.133162	0.00357821	No	Aldh9a1	30.6914	134.492	2.13162	30.6924	134.493	2.13157772	0.00014629	No
Dsc3	0.59344	0.32717	-0.26627	1.01E-08	No	Alg10	32.3134	6.24626	-2.37107	32.3144	6.24726	-2.3708817	0.00014629	No
Dscam	0.064737	0.0089098	-0.0558272	7.51E-09	No	Alg11	9.62612	15.0854	0.648123	9.62712	15.0864	0.6480724	0.029796	No
Dscam1	0.2287	0.051589	-0.177111	5.58E-08	No	Alg14	6.12253	15.1665	1.30869	6.12353	15.1675	1.30854785	0.00014629	No
Dsn1	0.47313	0.29543	-0.1777	0.04063154	No	Alg9	3.17721	13.5833	2.096	3.17821	13.5843	2.09565387	0.00014629	No
Dynl1	0.32294	0.03952	-0.28342	4.05E-07	No	Alkbh1	20.6469	6.11004	-1.75667	20.6479	6.11104	-1.7565052	0.00028114	No
Ear11	0.64018	0.29743	-0.34275	0.01008382	No	Alkbh2	9.53554	30.9238	1.69733	9.53654	30.9248	1.69722643	0.00014629	No
Ebf3	0.079528	0.021764	-0.057764	2.53E-08	No	Alkbh3	31.449	71.9953	1.19489	31.45	71.9963	1.19486275	0.00014629	No
Ecel1	0.20846	0.095944	-0.112516	0.00057442	No	Alkbh4	17.2489	3.84732	-2.16458	17.2499	3.84832	-2.1642873	0.00014629	No
Echdc2	0.339	0.096707	-0.242293	0.00011677	No	Alkbh7	26.2524	98.0228	1.90067	26.2534	98.0238	1.9006278	0.00014629	No
Edn3	0.21238	0.067868	-0.144512	0.00226691	No	Alms1	9.48636	2.74821	-1.78736	9.48736	2.74921	-1.7869896	0.00014629	No
Eef1d	0.83812	0.72738	-0.11074	0.02450594	No	Alox12	0.273703	2.07359	2.92144	0.274703	2.07459	2.91688167	0.00689996	No
Efnb3	0.15979	0.035349	-0.124441	7.90E-07	No	Aloxe3	0	1.1192	inf	0.001	1.1202	10.1295406	0.00014629	No
Egfm1	0.148	0.01303	-0.13497	3.61E-07	No	Alpl	0.304409	99.5866	8.3538	0.305409	99.5876	8.34907973	0.00014629	No
Egflam	0.086436	0.010097	-0.076339	0.00013121	No	Als2	1.1704	8.09924	2.79079	1.1714	8.10024	2.78973085	0.00014629	No
Egr3	0.33026	0.079077	-0.251183	1.61E-12	No	Amacr	6.44543	150.716	4.54741	6.44643	150.717	4.54719792	0.00014629	No
Egr4	0.1183	0.029674	-0.088626	4.27E-06	No	Amd1	18.8045	54.2493	1.52853	18.8055	54.2503	1.52847645	0.00014629	No
Ehbp1l1	0.0003629	0.051071	0.0507081	0.00683403	No	Amdhd2	8.54523	90.6482	3.40709	8.54623	90.6492	3.40693424	0.00014629	No
Eid3	0.88231	0.66491	-0.2174	0.00143157	No	Amhr2	0.601224	4.1801	2.79756	0.602224	4.1811	2.79551044	0.00066215	No
Elavl3	0.09679	0.013689	-0.083101	8.75E-07	No	Amica1	10.3	1.34849	-2.93322	10.301	1.34949	-2.9322982	0.00014629	No
Elnf1	0.13915	0.043087	-0.096063	2.08E-05	No	Amigo1	10.9207	2.80888	-1.95899	10.9217	2.80988	-1.958617	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Emc10	0.43444	0.11312	-0.32132	4.27E-06	No	Ammecr1	4.69581	0.619322	-2.92261	4.69681	0.620322	-2.920592	0.0125475	No
Emilin3	0.11829	0.066591	-0.051699	0.02194182	No	Amotl1	0.163352	3.32271	4.3463	0.164352	3.32371	4.33793359	0.00053701	No
En2	0.088321	0.011887	-0.076434	8.52E-05	No	Ampd2	15.1722	44.7338	1.55994	15.1732	44.7348	1.55987219	0.00014629	No
Endou	0.73875	0.55556	-0.18319	0.00593418	No	Ampd3	1.00092	10.485	3.38892	1.00192	10.486	3.38762523	0.00014629	No
Enpep	0.5071	0.020568	-0.486532	0.0030913	No	Amph	0	5.47949	inf	0.001	5.48049	12.4200892	0.0143044	No
Enpp3	0.17782	0.068727	-0.109093	6.96E-06	No	Amt	14.173	57.3138	2.01574	14.174	57.3148	2.01566077	0.00014629	No
Epb41l4b	0.075899	0.33176	0.255861	0.00125588	No	Anapc1	6.69107	3.04408	-1.13623	6.69207	3.04508	-1.1359724	0.00014629	No
Epha10	0.21598	0.041406	-0.174574	5.48E-05	No	Anapc10	11.901	4.32681	-1.45971	11.902	4.32781	-1.459495	0.00014629	No
Epha5	0.056479	0.0028698	-0.0536092	5.68E-07	No	Anapc13	97.4341	249.796	1.35825	97.4351	249.797	1.35824266	0.00014629	No
Ephb1	0.10582	0.032387	-0.073433	3.91E-05	No	Anapc15	37.4555	88.086	1.23373	37.4565	88.087	1.23371302	0.00014629	No
Ephb3	0.35475	0.21094	-0.14381	0.00226691	No	Anapc2	26.6744	40.0255	0.585462	26.6754	40.0265	0.58544556	0.00513162	No
Epn1	0.84738	0.051611	-0.795769	1.61E-12	No	Anapc4	24.2194	49.2169	1.02299	24.2204	49.2179	1.02296041	0.00207488	No
Epo	0.25777	0.040061	-0.217709	1.66E-08	No	Anapc5	63.449	121.194	0.933654	63.45	121.195	0.93363811	0.00014629	No
Erbp2	0.062387	0.0056051	-0.0567819	1.46E-05	No	Ang	1.72691	6.0115	1.79953	1.72791	6.0125	1.79893691	0.00149937	No
Ereg	0.68728	0.28588	-0.4014	0.00639124	No	Angel2	25.958	10.2208	-1.34467	25.959	10.2218	-1.3445855	0.00014629	No
Erf	0.75106	0.61376	-0.1373	0.01658745	No	Ank2	0.632157	2.86234	2.17884	0.633157	2.86334	2.1770638	0.00014629	No
Erich6	0.44562	0.1801	-0.26552	3.61E-07	No	Ankh	32.7702	0.960219	-5.09288	32.7712	0.961219	-5.0914195	0.00014629	No
Esm1	0.75876	0.36858	-0.39018	1.66E-08	No	Ankhd1	21.5184	88.4818	2.03981	21.5194	88.4828	2.03975919	0.00014629	No
Espnl	0.78089	0.35916	-0.42173	0.00014495	No	Ankib1	16.5265	6.07029	-1.44495	16.5275	6.07129	-1.4447935	0.00014629	No
Esrp2	0.15431	0.027924	-0.126386	1.12E-06	No	Ankle1	0.504753	3.47874	2.78491	0.505753	3.47974	2.78247464	0.0477475	No
Etv4	0.14036	0.059712	-0.080648	0.01079042	No	Ankle2	27.2608	6.51532	-2.06492	27.2618	6.51632	-2.0647515	0.00014629	No
Eva1b	0.74643	0.30958	-0.43685	1.61E-12	No	Ankrd1	0	3.2622	inf	0.001	3.2632	11.6720717	0.00014629	No
Evpl	0.61075	0.019827	-0.590923	1.63E-09	No	ANKRD10	46.4175	13.6713	-1.76352	46.4185	13.6723	-1.7634439	0.00014629	No
Eya4	0.089932	0.025992	-0.06394	0.0001045	No	Ankrd11	102.716	22.5811	-2.18547	102.717	22.5821	-2.1854234	0.00014629	No
Fabp3	0.23926	0.020658	-0.218602	9.66E-07	No	Ankrd12	16.3193	4.10365	-1.9916	16.3203	4.10465	-1.9913365	0.00014629	No
Fabp7	0.84901	0.34441	-0.5046	1.28E-06	No	Ankrd13a	158.341	61.8134	-1.35705	158.342	61.8144	-1.3570291	0.00014629	No
Fam110c	0.38197	0.072931	-0.309039	1.64E-06	No	Ankrd16	8.67773	14.8141	0.771578	8.67873	14.8151	0.77151252	0.0419596	No
Fam131b	0.121	0.025774	-0.095226	9.28E-06	No	Ankrd17	22.6981	12.4803	-0.862925	22.6991	12.4813	-0.8628669	0.00014629	No
Fam132a	0.8939	0.25969	-0.63421	8.00E-12	No	Ankrd24	0.39681	2.01997	2.34782	0.39781	2.02097	2.34489646	0.0143044	No
Fam150a	0.10756	0.016024	-0.091536	1.61E-12	No	Ankrd26	5.22247	1.93218	-1.4345	5.22347	1.93318	-1.4340325	0.00053701	No
Fam150b	0.080152	0.014646	-0.065506	0.00130689	No	Ankrd28	8.64275	5.2796	-0.711063	8.64375	5.2806	-0.7109555	0.00149937	No
Fam163b	0.13781	0.021284	-0.116526	4.44E-05	No	Ankrd29	0.220667	2.47726	3.48881	0.221667	2.47826	3.48286164	0.00544794	No
Fam193b	0.43845	0.147	-0.29145	4.44E-05	No	Ankrd32	5.142	2.62339	-0.970898	5.143	2.62439	-0.970628	0.0168962	No
Fam196a	0.076113	0.020996	-0.055117	2.57E-05	No	Ankrd37	7.09924	35.7299	2.3314	7.10024	35.7309	2.33123256	0.00014629	No
Fam20a	0.12495	0.057895	-0.067055	0.00187484	No	Ankrd40	15.9414	21.6129	0.439117	15.9424	21.6139	0.43909058	0.0482743	No
Fam221b	0.21294	0.059865	-0.153075	0.00039347	No	Ankrd44	50.9711	4.97106	-3.35805	50.9721	4.97206	-3.3577922	0.00014629	No
Fam71e2	0.90267	0.6973	-0.20537	0.00013121	No	Ankrd46	12.5003	33.084	1.40417	12.5013	33.085	1.40409915	0.00014629	No
Fam83b	0.059044	0.0035465	-0.0554975	3.87E-06	No	Ankrd50	4.09993	1.91518	-1.09812	4.10093	1.91618	-1.097718	0.00014629	No
Fam89a	0.027206	0.3864	0.359194	8.00E-12	No	Ankrd52	11.1656	3.51033	-1.66938	11.1666	3.51133	-1.6691005	0.00014629	No
Fat1	0.088688	0.013795	-0.074893	6.17E-07	No	Ankrd54	11.0702	20.873	0.914959	11.0712	20.874	0.91489548	0.00053701	No
Fat3	0.17316	0.041154	-0.132006	8.95E-06	No	Ankrd6	0.616962	1.43846	1.22127	0.617962	1.43946	1.21993767	0.0296199	No
Faxc	0.16346	0.052899	-0.110561	2.57E-05	No	Ankrd9	1.89585	6.51045	1.77991	1.89685	6.51145	1.77937325	0.0121484	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fbxw17	0.28719	0.035492	-0.251698	1.76E-06	No	Anks1a	10.7441	19.4718	0.857849	10.7451	19.4728	0.85778144	0.00149937	No
Fendrr	0.092363	0.034316	-0.058047	0.00500595	No	Anks3	16.4635	34.7759	1.07882	16.4645	34.7769	1.07877064	0.00014629	No
Fezf2	0.12136	0.017934	-0.103426	3.80E-11	No	Anks4b	0.28485	39.2154	7.10507	0.28585	39.2164	7.100055	0.0267812	No
Ffar2	0.86054	0.49826	-0.36228	1.67E-05	No	Anks6	0.55318	49.6351	6.48747	0.55418	49.6361	6.48489131	0.00014629	No
Fgf19	0.15028	0.045656	-0.104624	0.00593418	No	Ano8	14.3466	46.6767	1.702	14.3476	46.6777	1.70192405	0.00014629	No
Fgf21	0.92914	0.72595	-0.20319	0.03820617	No	Anp32a	180.68	110.591	-0.7082	180.681	110.592	-0.7081978	0.00028114	No
Fgf22	0.054563	0.0042233	-0.0503397	3.71E-09	No	Anp32b	244.939	150.23	-0.705248	244.94	150.231	-0.7052459	0.00014629	No
Fgf4	0.1267	0.010007	-0.116693	8.75E-07	No	Anp32e	97.5201	30.0741	-1.69718	97.5211	30.0751	-1.6971449	0.00014629	No
Fgf5	0.11617	0.032466	-0.083704	0.00861735	No	Anpep	0.133374	89.4284	9.38911	0.134374	89.4294	9.37835137	0.00066215	No
Fgf6	0.74083	0.055203	-0.685627	1.61E-12	No	Antxr2	25.5714	3.12511	-3.03255	25.5724	3.12611	-3.0321471	0.00014629	No
Fgf8	0.042094	0.16524	0.123146	0.04431681	No	Anxa1	26.1507	85.4229	1.70777	26.1517	85.4239	1.70773503	0.00014629	No
Fgfr3	0.070114	0.0023179	-0.0677961	6.96E-06	No	Anxa11	74.6122	175.247	1.23191	74.6132	175.248	1.23189519	0.00014629	No
Fgr	0.31031	0.043009	-0.267301	6.28E-09	No	Anxa4	3.65316	86.5676	4.56661	3.65416	86.5686	4.56623212	0.00014629	No
Fhdc1	0.09191	0.016378	-0.075532	0.00861735	No	Anxa5	5.63468	305.749	5.76187	5.63568	305.75	5.76161899	0.00014629	No
Fitm1	0.10967	0.025358	-0.084312	0.00015888	No	Anxa7	24.7335	33.93	0.456098	24.7345	33.931	0.45607921	0.0499148	No
Fkbp1	0.74549	0.12917	-0.61632	1.02E-05	No	Anxa8	0	3.92235	inf	0.001	3.92335	11.9378703	0.00014629	No
Flnc	0.11628	0.033402	-0.082878	0.00057442	No	Anxa9	0	1.48103	inf	0.001	1.48203	10.5333589	0.00014629	No
Flrt3	0.11565	0.045824	-0.069826	0.02324623	No	Aoah	0.0608577	6.88433	6.82173	0.0618577	6.88533	6.7984288	0.0256967	No
Foxa3	0.13981	0.013892	-0.125918	5.23E-07	No	Ap1ar	15.8258	10.1276	-0.643979	15.8268	10.1286	-0.6439348	0.00502315	No
Foxb2	0.087687	0.023697	-0.06399	0.03460571	No	Ap1b1	17.0225	35.1663	1.04675	17.0235	35.1673	1.04670689	0.00014629	No
Foxc2	0.10575	0.014188	-0.091562	1.64E-06	No	Ap1g2	44.1149	18.1831	-1.27867	44.1159	18.1841	-1.2786212	0.00597292	No
Foxe1	0.13395	0.037376	-0.096574	5.25E-05	No	Ap1s1	20.7976	65.1196	1.64667	20.7986	65.1206	1.64662757	0.00014629	No
Foxe3	0.19914	0.088504	-0.110636	0.00639124	No	Ap1s2	9.72031	2.05355	-2.24288	9.72131	2.05455	-2.2423283	0.00014629	No
Foxg1	0.40255	0.083738	-0.318812	3.61E-07	No	Ap2a2	18.3043	49.3614	1.4312	18.3053	49.3624	1.43115112	0.00014629	No
Foxj1	0.68545	0.25047	-0.43498	1.64E-07	No	Ap2m1	158.626	266.725	0.749723	158.627	266.726	0.74972011	0.00014629	No
Foxred2	0.47685	0.093279	-0.383571	1.61E-12	No	Ap2s1	79.3496	188.438	1.2478	79.3506	188.439	1.24778454	0.00014629	No
Foxs1	0.7735	0.59543	-0.17807	0.00156709	No	Ap3m1	18.737	11.0024	-0.76807	18.738	11.0034	-0.7680176	0.00028114	No
Frrmd3	0.12904	0.0057375	-0.1233025	1.61E-12	No	Ap3m2	11.9324	3.84547	-1.63365	11.9334	3.84647	-1.6333982	0.00102864	No
Fry	0.21752	0.15543	-0.06209	0.00357821	No	Ap3s2	8.46175	56.7341	2.74519	8.46275	56.7351	2.7450431	0.00014629	No
Fsip1	0.14888	0.0375	-0.11138	0.00028703	No	Ap4b1	37.3584	13.382	-1.48114	37.3594	13.383	-1.4810697	0.00014629	No
Fut4	0.24761	0.12101	-0.1266	0.00065385	No	Ap4e1	6.35261	2.12571	-1.5794	6.35361	2.12671	-1.5789532	0.00014629	No
Fzd10	0.0527	0.1895	0.1368	1.73E-05	No	Ap4m1	15.0106	5.02903	-1.57763	15.0116	5.03003	-1.5774388	0.00395247	No
Fzd5	0.87382	0.21596	-0.65786	1.61E-12	No	Ap4s1	15.774	33.0346	1.06643	15.775	33.0356	1.06638154	0.0499959	No
Gabra1	0.074695	0.0014227	-0.0732723	1.94E-12	No	Ap5b1	3.50305	8.6887	1.31053	3.50405	8.6897	1.31028301	0.00014629	No
Gabra4	0.061781	0.0043878	-0.0573932	2.10E-08	No	Ap5m1	10.7649	3.70817	-1.53756	10.7659	3.70917	-1.5373006	0.00014629	No
Gabra5	0.071473	0.0035759	-0.0678971	5.62E-06	No	Apaf1	21.3245	3.06685	-2.79768	21.3255	3.06785	-2.7972797	0.00014629	No
Gabrb3	0.076705	2.50E-07	-0.0767048	1.12E-06	No	Apba3	10.9146	32.2685	1.56386	10.9156	32.2695	1.56377979	0.00014629	No
Gabrg3	0.072546	0.011094	-0.061452	1.02E-10	No	Apbb1	3.73261	9.06822	1.28064	3.73361	9.06922	1.28040724	0.00014629	No
Gabrr1	0.89311	0.68611	-0.207	0.01079042	No	Apbb1ip	75.5352	3.37672	-4.48345	75.5362	3.37772	-4.4830466	0.00014629	No
Gad1	0.19322	0.025563	-0.167657	8.75E-07	No	Apbb2	8.66053	13.2082	0.608907	8.66153	13.2092	0.6088493	0.00427532	No
Gal	0.14298	0.037447	-0.105533	0.0001045	No	Apbb3	55.2455	112.485	1.0258	55.2465	112.486	1.02579048	0.0209112	No
Galnt16	0.17522	0.026787	-0.148433	3.93E-06	No	Apcdd1l	0.336485	4.75895	3.82203	0.337485	4.75995	3.81805113	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Galnt2	0.62041	0.086466	-0.533944	0.00019529	No	Apcs	0	45.3592	inf	0.001	45.3602	15.4691394	0.00014629	No
Galnt4	0.98306	0.89307	-0.08999	0.00076943	No	Apeh	26.6196	40.4248	0.602752	26.6206	40.4258	0.60273324	0.00330073	No
Galnt9	0.16151	0.046995	-0.114515	0.00026594	No	Apex2	9.38204	4.52689	-1.05138	9.38304	4.52789	-1.0512165	0.00161718	No
Galntl6	0.060965	0.0093192	-0.0516458	3.60E-08	No	Api5	38.2038	25.8078	-0.56591	38.2048	25.8088	-0.5658908	0.00395247	No
Galr1	0.12961	0.036166	-0.093444	1.39E-08	No	Apitd1	44.578	81.1612	0.86446	44.579	81.1622	0.86444372	0.00263402	No
Galr2	0.24654	0.039452	-0.207088	5.68E-07	No	Aplf	45.1973	30.1856	-0.582374	45.1983	30.1866	-0.5823602	0.0314513	No
Garem2	0.23762	0.030188	-0.207432	1.12E-06	No	Aplnr	0.182989	2.45443	3.74556	0.183989	2.45543	3.73828427	0.00384649	No
Gas2l2	0.71904	0.33085	-0.38819	4.97E-05	No	ALPL1	0.322157	7.39467	4.52065	0.323157	7.39567	4.5163737	0.00126596	No
Gas6	0.033638	0.22084	0.187202	4.59E-07	No	Aplp2	22.628	57.079	1.33485	22.629	57.08	1.3348125	0.00014629	No
Gata2	0.49049	0.20858	-0.28191	0.00026594	No	Apmap	8.32211	46.6927	2.48818	8.32311	46.6937	2.4880333	0.00014629	No
Gata6	0.15055	0.065668	-0.084882	0.00076943	No	Apoa1	0.56869	4.27428	2.90997	0.56969	4.27528	2.90776992	0.0145013	No
Gba	0.97155	0.64682	-0.32473	4.59E-07	No	APOA1BP	17.5911	41.309	1.23161	17.5921	41.31	1.23156335	0.00014629	No
Gbx1	0.10957	0.02404	-0.08553	0.00226691	No	Apobr	5.56042	1.67976	-1.72694	5.56142	1.68076	-1.7263396	0.00014629	No
Gbx2	0.12512	0.047174	-0.077946	3.38E-05	No	Apoc2	0	4.2848	inf	0.001	4.2858	12.0653488	0.00014629	No
Gcgr	0.10041	0.045079	-0.055331	0.02324623	No	Apoc3	0	19.2581	inf	0.001	19.2591	14.2332527	0.00014629	No
Gdap1	0.072004	0.01555	-0.056454	4.27E-06	No	Apol9a	0.122789	5.32587	5.43876	0.123789	5.32687	5.42733305	0.0274347	No
Gdap1l1	0.096046	0.027612	-0.068434	0.00067482	No	Apold1	0.372773	1.82938	2.29499	0.373773	1.83038	2.29190893	0.00395247	No
Gdf15	0.42392	0.097818	-0.326102	1.10E-10	No	Apom	5.52615	194.381	5.13647	5.52715	194.382	5.13621505	0.00395247	No
Gdf7	0.16223	0.073319	-0.088911	0.00210055	No	Apoo	8.59479	57.5988	2.7445	8.59579	57.5998	2.74436166	0.00014629	No
Gfod1	0.455	0.20141	-0.25359	0.004217	No	Apool	7.08004	18.5216	1.38738	7.08104	18.5226	1.38725345	0.00014629	No
Gfra4	0.12386	0.064025	-0.059835	0.00683403	No	App	55.6208	350.61	2.65617	55.6218	350.611	2.65614892	0.00014629	No
Ghsr	0.38378	0.1309	-0.25288	1.05E-06	No	Appbp2	16.7843	8.74043	-0.941333	16.7853	8.74143	-0.9412571	0.00014629	No
Gipc2	0.0823	0.01007	-0.07223	0.00017692	No	Appl2	0.620921	13.0806	4.39688	0.621921	13.0816	4.39466386	0.00014629	No
Gipc3	0.72693	0.29935	-0.42758	3.61E-07	No	Aprt	245.834	128.762	-0.932971	245.835	128.763	-0.9329722	0.00014629	No
Gja3	0.7268	0.45432	-0.27248	0.02714861	No	Aptx	15.9993	7.62836	-1.06856	16.0003	7.62936	-1.068465	0.00053701	No
Gldn	0.13223	0.027692	-0.104538	0.00051431	No	Aqp2	0	186.32	inf	0.001	186.321	17.5074308	0.00014629	No
Glra1	0.10408	0.022642	-0.081438	3.91E-05	No	Aqp3	0	40.7075	inf	0.001	40.7085	15.3130424	0.00014629	No
Gnas	0.41291	0.17673	-0.23618	1.09E-10	No	Aqp4	0	7.11904	inf	0.001	7.12004	12.7976696	0.00014629	No
Gnaz	0.54117	0.24865	-0.29252	0.00076943	No	Aqp7	0	30.5727	inf	0.001	30.5737	14.9000035	0.00014629	No
Gp1bb	0.36821	0.26701	-0.1012	0.00580037	No	Aqr	21.9618	12.0167	-0.869948	21.9628	12.0177	-0.8699012	0.0286096	No
Gpr12	0.094641	0.0029412	-0.0916998	0.00026594	No	Arap1	41.6326	22.3534	-0.897218	41.6336	22.3544	-0.8971895	0.00041099	No
Gpr139	0.065809	0.010363	-0.055446	0.00026594	No	Arap2	9.17808	2.67666	-1.77776	9.17908	2.67766	-1.7773768	0.00014629	No
Gpr158	0.24344	0.080934	-0.162506	0.00293459	No	Arap3	3.86207	8.84015	1.1947	3.86307	8.84115	1.19448622	0.00173187	No
Gpr26	0.30926	0.050868	-0.258392	2.28E-11	No	Arel1	24.065	9.58907	-1.32747	24.066	9.59007	-1.3273831	0.00014629	No
Gpr50	0.16964	0.023038	-0.146602	3.41E-06	No	Arf1	172.246	229.444	0.413667	172.247	229.445	0.41366951	0.0421247	No
Gpr6	0.19316	0.073832	-0.119328	0.00143157	No	Arf2	4.18528	8.92934	1.09323	4.18628	8.93034	1.09304629	0.00028114	No
Gpr81	0.79906	0.15202	-0.64704	4.07E-08	No	Arf4	67.6348	97.3883	0.525983	67.6358	97.3893	0.5259762	0.00924781	No
Gpr83	0.41112	0.15988	-0.25124	0.00026594	No	Arf5	135.255	181.962	0.427954	135.256	181.963	0.42795253	0.0301422	No
Gprc5a	0.36192	0.139	-0.22292	1.46E-05	No	Arfgap2	30.5611	73.7676	1.27129	30.5621	73.7686	1.27126318	0.00014629	No
Gpx2	0.72612	0.22318	-0.50294	1.12E-06	No	Arfgap3	11.2997	18.2332	0.690285	11.3007	18.2342	0.69023476	0.00307875	No
Grb10	0.68766	0.25474	-0.43292	3.61E-07	No	Arfgef1	33.083	19.7383	-0.745095	33.084	19.7393	-0.7450628	0.00241835	No
Grhl2	0.1371	0.037427	-0.099673	0.00743291	No	Arfip2	34.4244	58.7143	0.77028	34.4254	58.7153	0.77026307	0.00041099	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gria1	0.11113	0.052875	-0.058255	0.01520153	No	Arglu1	188.63	67.8828	-1.47444	188.631	67.8838	-1.4744276	0.00014629	No
Gria2	0.096488	0.026894	-0.069594	6.76E-05	No	Arhgap1	57.3182	23.0628	-1.31343	57.3192	23.0638	-1.3133882	0.00014629	No
Gria4	0.06167	0.0056071	-0.0560629	7.44E-07	No	Arhgap10	2.58018	25.7837	3.32092	2.58118	25.7847	3.3204126	0.00014629	No
Grid1	0.10798	0.024459	-0.083521	5.62E-06	No	Arhgap11a	0.469968	1.31485	1.48426	0.470968	1.31585	1.48229409	0.00629035	No
Grid2	0.050245	2.50E-07	-0.0502448	2.88E-05	No	Arhgap12	15.1425	6.70056	-1.17625	15.1435	6.70156	-1.1761298	0.00014629	No
Grik1	0.17414	0.045594	-0.128546	4.95E-06	No	Arhgap15	110.78	4.38251	-4.6598	110.781	4.38351	-4.6594801	0.00014629	No
Grik3	0.14176	0.018879	-0.122881	7.96E-06	No	Arhgap18	3.17436	18.7591	2.56305	3.17536	18.7601	2.56267545	0.00014629	No
Grin2a	0.12634	0.016173	-0.110167	6.96E-06	No	Arhgap21	0.505551	5.12115	3.34054	0.506551	5.12215	3.33797007	0.00014629	No
Grin2b	0.075642	0.013707	-0.061935	0.00039347	No	Arhgap22	0.0405112	19.6823	8.92436	0.0415112	19.6833	8.88925576	0.00066215	No
Grin2c	0.072219	0.020094	-0.052125	0.00191236	No	Arhgap24	0.228299	163.031	9.48001	0.229299	163.032	9.47370939	0.00014629	No
Grin2d	0.48887	0.066347	-0.422523	0.00051431	No	Arhgap26	4.57192	1.90419	-1.26362	4.57292	1.90519	-1.2631808	0.00090728	No
Grip2	0.090083	0.016138	-0.073945	6.76E-05	No	Arhgap29	0.0205749	26.7378	10.3438	0.0215749	26.7388	10.2753651	0.00014629	No
Grm1	0.21597	0.041088	-0.174882	6.96E-06	No	Arhgap30	106.9	184.945	0.790831	106.901	184.946	0.79082875	0.0141124	No
Grm7	0.15648	0.017981	-0.138499	1.63E-09	No	Arhgap32	0.00419429	4.07527	9.92425	0.00519429	4.07627	9.61610734	0.00448672	No
Grp	0.078228	0.010109	-0.068119	2.06E-09	No	Arhgap35	2.3762	9.67526	2.02565	2.3772	9.67626	2.02518625	0.00014629	No
Gsc	0.12653	0.044524	-0.082006	0.00043492	No	Arhgap39	1.35574	3.01129	1.1513	1.35674	3.01229	1.15071639	0.00114835	No
Gspt2	0.068078	0.010804	-0.057274	2.63E-05	No	Arhgap4	113.259	74.6317	-0.601767	113.26	74.6327	-0.6017587	0.00307875	No
Gstt3	0.28757	0.034367	-0.253203	3.91E-05	No	Arhgap44	0.0583909	3.32249	5.83038	0.0593909	3.32349	5.80631331	0.00014629	No
Gsx1	0.11088	0.02083	-0.09005	8.18E-10	No	Arhgap5	0.278707	16.4947	5.88711	0.279707	16.4957	5.88202983	0.00014629	No
Gtpbp6	0.069724	0.0042186	-0.0655054	1.94E-10	No	Arhgap9	157.261	73.3622	-1.10006	157.262	73.3632	-1.1000416	0.00014629	No
Guca1a	0.011364	0.31115	0.299786	3.61E-07	No	Arhgdia	259.577	165.92	-0.64568	259.578	165.921	-0.6456716	0.00352183	No
Gucy1a2	0.06352	0.012938	-0.050582	2.96E-12	No	Arhgdiib	1892.78	111.495	-4.08546	1892.781	111.496	-4.0854436	0.00014629	No
Gucy2e	0.18865	0.11769	-0.07096	5.76E-05	No	Arhgef1	512.483	76.3392	-2.74701	512.484	76.3402	-2.7469921	0.00014629	No
H2afx	0.059985	0.0080728	-0.0519122	1.73E-05	No	Arhgef10l	0.139092	32.1436	7.85235	0.140092	32.1446	7.84205802	0.00014629	No
H2afy2	0.20472	0.056828	-0.147892	2.78E-07	No	Arhgef11	3.00224	11.4805	1.93508	3.00324	11.4815	1.93471946	0.0265991	No
Haoa	0.9257	0.28107	-0.64463	1.69E-12	No	Arhgef12	1.24359	8.42314	2.75985	1.24459	8.42414	2.75885885	0.00014629	No
Hamp	0.80598	0.22943	-0.57655	3.61E-07	No	Arhgef18	56.4584	10.31	-2.45314	56.4594	10.311	-2.4530295	0.00014629	No
Hand1	0.26953	0.09803	-0.1715	0.00043492	No	Arhgef6	59.1059	3.80374	-3.95781	59.1069	3.80474	-3.9574568	0.00014629	No
Hand2	0.11381	0.045288	-0.068522	4.44E-05	No	Arid1a	65.0694	11.154	-2.54443	65.0704	11.155	-2.5443109	0.00014629	No
Hapln4	0.087267	0.020818	-0.066449	0.00075499	No	Arid3b	13.6537	2.42045	-2.49594	13.6547	2.42145	-2.4954545	0.00014629	No
Has3	0.25615	0.063382	-0.192768	0.00051431	No	Arid4a	29.9981	5.20559	-2.52674	29.9991	5.20659	-2.5265085	0.00102864	No
Hcn1	0.055575	0.0021741	-0.0534009	1.44E-06	No	Arid4b	12.8753	3.09934	-2.05457	12.8763	3.10034	-2.0542198	0.00014629	No
Hdac5	0.72472	0.51831	-0.20641	0.00683403	No	Arid5a	13.78	2.6281	-2.39049	13.781	2.6291	-2.3900397	0.00014629	No
Hes2	0.10509	0.050732	-0.054358	0.02834942	No	Arid5b	19.7243	3.93059	-2.32716	19.7253	3.93159	-2.3268625	0.00014629	No
Hes7	0.72924	0.26893	-0.46031	7.44E-07	No	Arih1	24.6433	11.2202	-1.1351	24.6443	11.2212	-1.135027	0.00014629	No
Hfe2	0.040082	0.23203	0.191948	4.97E-05	No	Arih2	29.3687	19.1347	-0.61809	29.3697	19.1357	-0.6180619	0.00263402	No
Hhatl	0.81398	0.13724	-0.67674	3.61E-07	No	Arl1	22.8332	76.1826	1.73833	22.8342	76.1836	1.73828422	0.00014629	No
Hhex	0.048622	0.25249	0.203868	1.83E-06	No	ARL10	2.73932	4.79142	0.806638	2.74032	4.79242	0.80640998	0.0184724	No
Hic1	0.52679	0.17331	-0.35348	1.83E-06	No	Arl14ep	16.0558	10.3526	-0.6331	16.0568	10.3536	-0.6330519	0.0408729	No
Hist1h1b	0.018874	0.20903	0.190156	5.48E-05	No	Arl15	8.66418	16.3858	0.919306	8.66518	16.3868	0.91923253	0.0167972	No
Hist1h2bo	0.02259	0.13062	0.10803	0.00210055	No	Arl2	23.7482	113.296	2.25421	23.7492	113.297	2.25415884	0.00014629	No
Hmx1	0.15828	0.030663	-0.127617	6.96E-06	No	Arl2bp	34.222	56.9905	0.735799	34.223	56.9915	0.73578053	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hnf4a	0.77152	0.20476	-0.56676	1.95E-09	No	Arl3	55.8217	139.241	1.31869	55.8227	139.242	1.31867063	0.00014629	No
Hoxa11	0.0079878	0.06152	0.0535322	2.63E-05	No	Arl4a	16.3993	8.19228	-1.0013	16.4003	8.19328	-1.0012092	0.00066215	No
Hoxa6	0.5075	0.13396	-0.37354	3.61E-09	No	ARL5A	21.7603	13.9131	-0.645256	21.7613	13.9141	-0.6452171	0.00330073	No
Hoxb13	0.088581	0.0208	-0.067781	0.00033082	No	Arl5b	6.10674	3.32361	-0.877652	6.10774	3.32461	-0.8774535	0.00028114	No
Hoxb4	0.21998	0.01545	-0.20453	1.61E-12	No	Arl5c	92.8638	7.37384	-3.65463	92.8648	7.37484	-3.6544482	0.00014629	No
Hoxc11	0.13606	0.032642	-0.103418	3.08E-05	No	ARL6	1.5035	15.7067	3.38499	1.5045	15.7077	3.38411594	0.00014629	No
Hoxc12	0.1269	0.034391	-0.092509	2.15E-09	No	Arl6ip1	26.2252	44.2451	0.754566	26.2262	44.2461	0.75454151	0.00014629	No
Hoxc4	0.038371	0.12277	0.084399	0.03460571	No	Arl6ip4	37.383	76.7146	1.03712	37.384	76.7156	1.03709904	0.00014629	No
Hoxc9	0.06737	0.0091475	-0.0582225	2.05E-05	No	Arl6ip5	146.362	32.6591	-2.16399	146.363	32.6601	-2.1639498	0.00014629	No
Hoxd1	0.13988	0.034253	-0.105627	2.36E-06	No	Armc1	10.4407	18.3831	0.816163	10.4417	18.3841	0.81610194	0.00274649	No
Hoxd12	0.21122	0.68154	0.47032	3.27E-08	No	Armc5	19.4538	32.1752	0.725896	19.4548	32.1762	0.72586781	0.00161718	No
Hoxd9	0.21402	0.49109	0.27707	3.41E-06	No	Armc9	5.30932	18.4021	1.79327	5.31032	18.4031	1.7930781	0.00014629	No
Hpd1	0.30751	0.067492	-0.240018	1.27E-05	No	Armcx3	2.095	8.87917	2.08347	2.096	8.88017	2.08294858	0.00014629	No
Hpgd	0.06884	0.0074275	-0.0614125	4.44E-05	No	Armcx5	21.5131	11.5258	-0.900353	21.5141	11.5268	-0.9002904	0.00014629	No
Hrasls	0.13516	0.032823	-0.102337	1.15E-05	No	Arnt2	0	11.8692	inf	0.001	11.8702	13.5350566	0.00014629	No
Hrk	0.081451	0.019746	-0.061705	4.97E-05	No	Arpc1a	71.7181	138.637	0.9509	71.7191	138.638	0.95089346	0.00014629	No
Hs3st2	0.14637	0.01055	-0.13582	4.59E-07	No	Arpc1b	735.092	100.833	-2.86596	735.093	100.834	-2.8659446	0.00014629	No
Hsbp11	0.096536	0.018458	-0.078078	2.44E-06	No	Arpc2	918.887	339.544	-1.43629	918.888	339.545	-1.4362862	0.00014629	No
Hsd17b14	0.74411	0.077239	-0.666871	2.05E-05	No	Arpc3	359.009	146.341	-1.29468	359.01	146.342	-1.2946801	0.00014629	No
Hsf4	0.64943	0.1336	-0.51583	1.61E-12	No	Arpc4	156.301	105.722	-0.564062	156.302	105.723	-0.564047	0.00384649	No
Hspb1	0.058331	0.0073148	-0.0510162	6.30E-06	No	Arpc5	243.568	71.7811	-1.76265	243.569	71.7821	-1.7626345	0.00014629	No
Htr1a	0.099938	0.013835	-0.086103	3.41E-09	No	Arpp21	105.804	5.42177	-4.28649	105.805	5.42277	-4.286234	0.00014629	No
Htr6	0.071994	0.011378	-0.060616	1.46E-05	No	Arrib1	16.5986	8.28161	-1.00308	16.5996	8.28261	-1.0029911	0.00028114	No
Htra3	0.066076	0.0109	-0.055176	1.77E-11	No	Arrib2	159.411	19.839	-3.00633	159.412	19.84	-3.0062763	0.00014629	No
Ibsp	0.69716	0.11775	-0.57941	0.00063283	No	Arrdc1	34.6064	47.1556	0.44639	34.6074	47.1566	0.44637915	0.0378376	No
Icam4	0.40118	0.061079	-0.340101	3.61E-07	No	Arrdc2	34.8119	10.6807	-1.70457	34.8129	10.6817	-1.7044807	0.00014629	No
Icmt	0.053413	0.0027693	-0.0506437	0.00226691	No	Arrdc3	31.5279	63.4357	1.00867	31.5289	63.4367	1.00864289	0.00014629	No
Ido1	0.71486	0.29882	-0.41604	5.25E-05	No	Arrdc4	0.3696	2.93345	2.98856	0.3706	2.93445	2.98515534	0.00014629	No
Igf2	0.59613	0.15397	-0.44216	1.02E-05	No	Arsa	3.16089	30.1662	3.25453	3.16189	30.1672	3.25412171	0.00014629	No
Igf2bp1	0.063445	0.012799	-0.050646	0.00803385	No	Arsb	4.83679	30.7729	2.66954	4.83779	30.7739	2.66928724	0.00014629	No
Igf2bp2	0.16228	0.013831	-0.148449	2.36E-08	No	Arse	6.15994	21.0165	1.77053	6.16094	21.0175	1.77036868	0.00014629	No
Igfbp6	0.37616	0.12768	-0.24848	1.27E-05	No	Arsk	7.63187	3.0555	-1.32063	7.63287	3.0565	-1.3203451	0.00053701	No
Igfbp7	0.094885	0.010972	-0.083913	1.60E-05	No	Art2b	207.963	3.78685	-5.77918	207.964	3.78785	-5.7788108	0.00014629	No
Igsf21	0.20675	0.07193	-0.13482	0.00028703	No	Artn	0	1.14897	inf	0.001	1.14997	10.1673805	0.00014629	No
Il11	0.26243	0.070274	-0.192156	2.27E-08	No	Arv1	28.4117	51.76	0.86535	28.4127	51.761	0.86532956	0.00149937	No
Il17c	0.82573	0.68447	-0.14126	0.00639124	No	As3mt	9.08518	57.9219	2.67252	9.08618	57.9229	2.67238804	0.00014629	No
Il4	0.76534	0.18648	-0.57886	0.00051431	No	Asah1	4.85184	24.5122	2.3369	4.85284	24.5132	2.33665763	0.00014629	No
Ina	0.083524	0.029065	-0.054459	3.91E-05	No	Asah2	0	1.20999	inf	0.001	1.21099	10.2419712	0.00014629	No
Inha	0.0011905	0.076711	0.0755205	0.0030913	No	Asap1	29.8169	4.20241	-2.82684	29.8179	4.20341	-2.8265466	0.00014629	No
Inhbb	0.10449	0.028995	-0.075495	1.61E-12	No	Asap2	0.0964724	6.98893	6.17881	0.0974724	6.98993	6.16414043	0.00014629	No
Inhbe	0.46645	0.056041	-0.410409	7.44E-07	No	Asap3	0.380932	3.24452	3.0904	0.381932	3.24552	3.08706194	0.00028114	No
Inpp5a	0.6797	0.38193	-0.29777	0.00033082	No	Asb1	2.89604	1.61958	-0.838456	2.89704	1.62058	-0.8380694	0.00730705	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Insig1	0.25633	0.16005	-0.09628	0.01079042	No	Asb13	41.3689	22.732	-0.863823	41.3699	22.733	-0.8637934	0.00014629	No
Irf5	0.090321	0.25786	0.167539	0.03460571	No	Asb3	10.6467	3.89707	-1.44995	10.6477	3.89807	-1.4497099	0.00184429	No
Irf6	0.24877	0.040923	-0.207847	5.62E-06	No	Ascc2	12.8731	19.966	0.633181	12.8741	19.967	0.63314601	0.0303176	No
Irf8	0.63818	0.32276	-0.31542	1.57E-08	No	Ascc3	18.7437	6.78448	-1.4661	18.7447	6.78548	-1.46596	0.00014629	No
Irgm	0.00072674	0.11671	0.11598326	3.65E-05	No	Asf1a	8.93593	4.94602	-0.853351	8.93693	4.94702	-0.8532196	0.0158416	No
Irs1	0.062859	0.011141	-0.051718	0.00059604	No	Asgr1	0	4.82242	inf	0.001	4.82342	12.2358407	0.00014629	No
Irx4	0.089979	0.014897	-0.075082	7.96E-06	No	Ash1l	11.496	2.67082	-2.10577	11.497	2.67182	-2.1053627	0.00740907	No
Irx6	0.077017	0.016759	-0.060258	5.05E-07	No	Asl	6.61626	227.852	5.10594	6.61726	227.853	5.10572559	0.00014629	No
Isg20l2	0.27504	0.019996	-0.255044	1.95E-09	No	Asmtl	27.5247	97.4886	1.82451	27.5257	97.4896	1.82446907	0.00014629	No
Isl1	0.067965	1.50E-07	-0.0679649	4.05E-07	No	Aspa	0.233275	129.399	9.11558	0.234275	129.4	9.10941889	0.00090728	No
Itga8	0.82342	0.25126	-0.57216	2.69E-06	No	Aspdh	13.9635	187.807	3.74952	13.9645	187.808	3.74942269	0.00014629	No
Itgb1	0.6627	0.3202	-0.3425	1.44E-06	No	Aspg	0.0399191	97.3198	11.2514	0.0409191	97.3208	11.2157581	0.0393825	No
Itih1	0.77313	0.5833	-0.18983	0.00192825	No	ASPH	0.763717	7.4865	3.29318	0.764717	7.4875	3.29148625	0.00014629	No
Itpka	0.4416	0.13981	-0.30179	1.92E-07	No	Aspscr1	29.545	162.029	2.45526	29.546	162.03	2.45522622	0.00014629	No
Itpripl2	0.70595	0.30608	-0.39987	7.27E-08	No	Asun	27.1225	13.1584	-1.0435	27.1235	13.1594	-1.0434496	0.00014629	No
Izumo1	0.15176	0.019582	-0.132178	4.97E-05	No	Asxl1	39.6095	9.73483	-2.02462	39.6105	9.73583	-2.024507	0.00014629	No
Jmjd6	0.094118	0.0056178	-0.0885002	1.46E-05	No	Asxl2	10.7342	4.15559	-1.36909	10.7352	4.15659	-1.3688767	0.00090728	No
Jmjd8	0.95675	0.69118	-0.26557	1.82E-05	No	Atad1	31.6851	23.3686	-0.439235	31.6861	23.3696	-0.4392171	0.0416357	No
Jph3	0.079788	0.022955	-0.056833	9.28E-06	No	Atad2	12.1374	0.811509	-3.90271	12.1384	0.812509	-3.9010507	0.00014629	No
Jph4	0.49907	0.28782	-0.21125	0.00389713	No	Atad3a	16.0279	31.9947	0.997251	16.0289	31.9957	0.99720261	0.00014629	No
Kat8	0.076326	0.0077327	-0.0685933	0.01439246	No	Atat1	12.5157	7.43551	-0.751235	12.5167	7.43651	-0.7511566	0.0245032	No
Katnal1	0.22779	0.027069	-0.200721	2.88E-05	No	Ate1	11.3249	4.12745	-1.45617	11.3259	4.12845	-1.4559536	0.0333784	No
Kbtbd4	0.57701	0.27889	-0.29812	0.02714861	No	Atf1	54.7342	22.7067	-1.26933	54.7352	22.7077	-1.2692873	0.00014629	No
Kbtbd6	0.31381	0.11142	-0.20239	1.19E-07	No	Atf2	27.4755	12.2214	-1.16873	27.4765	12.2224	-1.1686706	0.00363169	No
Kbtbd7	0.31381	0.11142	-0.20239	1.19E-07	No	Atf5	4.07714	14.2103	1.80131	4.07814	14.2113	1.80105533	0.00639443	No
Kcna1	0.09455	0.013489	-0.081061	1.61E-12	No	Atf6	7.8435	4.41701	-0.828429	7.8445	4.41801	-0.8282848	0.00014629	No
Kcna5	0.2212	0.45855	0.23735	0.00226691	No	Atf7	12.7695	42.2823	1.72735	12.7705	42.2833	1.72727296	0.027886	No
Kcna6	0.088336	0.021067	-0.067269	0.00069112	No	Atf7ip	56.6582	17.6081	-1.68604	56.6592	17.6091	-1.6859891	0.00014629	No
Kcna7	0.061261	0.0061979	-0.0550631	4.97E-05	No	ATG101	26.1216	53.6966	1.03959	26.1226	53.6976	1.03955911	0.00014629	No
Kcnab1	0.06971	0.015124	-0.054586	0.00021752	No	Atg12	43.1206	17.6651	-1.28748	43.1216	17.6661	-1.2874271	0.00014629	No
Kcnb1	0.48109	0.12156	-0.35953	3.20E-09	No	Atg13	25.1223	16.748	-0.584977	25.1233	16.749	-0.584951	0.00513162	No
Kcnc1	0.53025	0.18149	-0.34876	3.41E-06	No	Atg14	7.40212	5.18992	-0.512226	7.40312	5.19092	-0.5121432	0.0454894	No
Kcnc4	0.2947	0.14137	-0.15333	0.00210055	No	Atg2b	12.0274	4.89379	-1.2973	12.0284	4.89479	-1.2971259	0.00014629	No
Kcnd2	0.059392	0.0042511	-0.0551409	0.00035126	No	Atg4c	5.729	9.04005	0.658046	5.73	9.04105	0.65795519	0.0366018	No
Kcnd3	0.073229	0.0028883	-0.0703407	1.82E-05	No	Atg4d	12.4392	52.2004	2.06917	12.4402	52.2014	2.06907882	0.00014629	No
Kcne2	0.73291	0.26556	-0.46735	2.43E-07	No	Atg9a	33.2756	18.5034	-0.846677	33.2766	18.5044	-0.8466397	0.00014629	No
Kcne5	0.66682	0.39588	-0.27094	0.02954396	No	Atic	47.7482	29.7398	-0.683052	47.7492	29.7408	-0.6830331	0.00028114	No
Kcnf1	0.74048	0.55758	-0.1829	0.02194182	No	Atl1	0.281116	1.17141	2.059	0.282116	1.17241	2.05511678	0.027611	No
Kcng1	0.11948	0.33394	0.21446	1.60E-05	No	Atl2	31.247	9.67431	-1.69149	31.248	9.67531	-1.6913841	0.00014629	No
Kcnh3	0.1664	0.04818	-0.11822	0.00014495	No	ATL3	12.4431	5.26846	-1.2399	12.4441	5.26946	-1.2397349	0.00014629	No
Kcnh5	0.079204	0.0041241	-0.0750799	1.28E-06	No	Atm	29.3814	2.07766	-3.82187	29.3824	2.07866	-3.8212265	0.00014629	No
Kcnh7	0.14908	0.027108	-0.121972	7.96E-06	No	Atoh8	0	0.902089	inf	0.001	0.903089	9.81872436	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kcnp1	0.11322	0.015894	-0.097326	7.10E-11	No	Atox1	58.8411	197.571	1.74748	58.8421	197.572	1.74745786	0.00014629	No
Kcnj3	0.10551	0.015908	-0.089602	0.002433	No	Atp10a	2.67874	1.19376	-1.16604	2.67974	1.19476	-1.1653722	0.00230432	No
Kcnj5	0.10438	0.0069143	-0.0974657	2.10E-06	No	ATP11B	39.2832	6.38201	-2.62183	39.2842	6.38301	-2.6216404	0.00014629	No
Kcnk13	0.090674	0.40188	0.311206	3.52E-06	No	Atp11c	2.56474	0.942584	-1.44412	2.56574	0.943584	-1.4431521	0.00014629	No
Kcnk2	0.076433	0.018517	-0.057916	1.21E-10	No	Atp13a1	74.015	44.6392	-0.729507	74.016	44.6402	-0.7294937	0.00053701	No
Kcnk3	0.096121	0.012258	-0.083863	9.50E-05	No	Atp13a2	21.5899	36.7584	0.76772	21.5909	36.7594	0.76768984	0.00102864	No
Kcnk4	0.22386	0.067955	-0.155905	0.01344183	No	Atp13a3	15.7375	7.08764	-1.15083	15.7385	7.08864	-1.1507173	0.00014629	No
Kcnk9	0.16528	0.047732	-0.117548	0.00143157	No	Atp1a1	82.0805	534.218	2.70232	82.0815	534.219	2.70230229	0.00014629	No
Kcnma1	0.081338	0.01188	-0.069458	2.98E-07	No	Atp1b1	2.73345	694.153	7.98838	2.73445	694.154	7.98786127	0.00014629	No
Kcnn1	0.37052	0.067074	-0.303446	1.20E-08	No	Atp1b2	0.0846228	4.75528	5.81234	0.0856228	4.75628	5.79569482	0.00792329	No
Kcnn2	0.10058	0.013044	-0.087536	3.61E-07	No	Atp1b3	125.525	95.8301	-0.389418	125.526	95.8311	-0.3894204	0.0494924	No
Kcns2	0.1237	0.030387	-0.093313	0.02324623	No	Atp2b1	15.6138	4.4988	-1.79521	15.6148	4.4998	-1.7949813	0.00014629	No
Kctd11	0.78783	0.29333	-0.4945	6.37E-09	No	Atp2b3	0	1.2516	inf	0.001	1.2526	10.2907101	0.00014629	No
Kctd15	0.075872	0.017454	-0.058418	9.50E-05	No	Atp2b4	9.84736	2.12285	-2.21374	9.84836	2.12385	-2.2132016	0.00014629	No
Kctd8	0.084684	0.0083916	-0.0762924	1.02E-05	No	Atp2c1	8.13915	20.3334	1.3209	8.14015	20.3344	1.32079514	0.00014629	No
Kdf1	0.6603	0.030498	-0.629802	1.61E-12	No	Atp5a1	241.272	971.208	2.00912	241.273	971.209	2.00911531	0.00014629	No
Khdrbs2	0.12313	0.022512	-0.100618	0.00015888	No	Atp5b	333.707	2036.96	2.60976	333.708	2036.961	2.60976018	0.00014629	No
Khdrbs3	0.14976	0.054414	-0.095346	0.01658745	No	Atp5c1	133.296	565.273	2.08432	133.297	565.274	2.08430603	0.00014629	No
Kiaa0895l	0.22499	0.015535	-0.209455	2.15E-09	No	Atp5d	121.658	618.366	2.34563	121.659	618.367	2.34562028	0.00014629	No
Kif2b	0.95859	0.49749	-0.4611	4.59E-07	No	Atp5e	758.876	2078.01	1.45327	758.877	2078.011	1.45326532	0.00014629	No
Kirrel2	0.13602	0.028827	-0.107193	0.00092018	No	ATP5F1	61.4265	178.484	1.53886	61.4275	178.485	1.53884626	0.00014629	No
Klf14	0.29535	0.077067	-0.218283	3.84E-08	No	ATP5G3	208.124	1611.52	2.95291	208.125	1611.521	2.95290081	0.00014629	No
Klhl1	0.062961	0.0065067	-0.0564543	0.0030913	No	Atp5i	439.239	3089.41	2.81425	439.24	3089.411	2.81425047	0.00014629	No
Krt25	0.75784	0.55872	-0.19912	0.01164415	No	Atp5j	295.233	1101.16	1.8991	295.234	1101.161	1.89909464	0.00014629	No
Krt72	0.85528	0.52054	-0.33474	3.65E-05	No	Atp5j2	524.273	1862.31	1.8287	524.274	1862.311	1.82870111	0.00014629	No
Krt75	0.76077	0.50836	-0.25241	0.00803385	No	Atp5l	314.356	1238.11	1.97766	314.357	1238.111	1.97766487	0.00014629	No
Krt8	0.84598	0.39946	-0.44652	6.76E-05	No	Atp5o	125.954	926.911	2.87953	125.955	926.912	2.87952398	0.00014629	No
Krt81	0.60076	0.31235	-0.28841	4.94E-10	No	Atp6ap1	71.062	47.3908	-0.58447	71.063	47.3918	-0.5844611	0.00252712	No
Krt83	0.79139	0.19648	-0.59491	1.61E-12	No	Atp6ap2	17.2826	66.0033	1.93322	17.2836	66.0043	1.93315627	0.00014629	No
Krtap16-5	0.9561	0.75786	-0.19824	0.04063154	No	Atp6v0a1	2.51442	16.2545	2.69254	2.51542	16.2555	2.69205672	0.00014629	No
L3hypdh	0.64126	0.060504	-0.580756	2.28E-11	No	Atp6v0a2	21.496	7.74436	-1.47285	21.497	7.74536	-1.4727311	0.00014629	No
Lamp5	0.14684	0.024846	-0.121994	2.10E-06	No	Atp6v0a4	0.0320407	50.2036	10.6137	0.0330407	50.2046	10.5693596	0.00014629	No
Lancl3	0.078586	0.0028015	-0.0757845	1.12E-06	No	Atp6v0b	46.0096	209.387	2.18617	46.0106	209.388	2.18614059	0.00014629	No
Lbhd1	0.065696	0.015261	-0.050435	0.002433	No	Atp6v0c	141.012	464.111	1.71865	141.013	464.112	1.71864483	0.00014629	No
Lbx1	0.11097	0.023917	-0.087053	0.00051431	No	Atp6v0d1	102.754	337.88	1.71732	102.755	337.881	1.71730663	0.00014629	No
Lbx2	0.10204	0.033257	-0.068783	7.03E-05	No	Atp6v0d2	0	24.2735	inf	0.001	24.2745	14.567154	0.00014629	No
Lca5	0.80381	0.38269	-0.42112	2.15E-09	No	Atp6v0e1	92.847	188.206	1.01938	92.848	188.207	1.01937755	0.00014629	No
Lect1	0.84643	0.76128	-0.08515	0.00803385	No	Atp6v0e2	15.0308	62.0386	2.04524	15.0318	62.0396	2.04517161	0.00014629	No
Lefty1	0.56139	0.33083	-0.23056	0.00935402	No	Atp6v1a	9.0483	54.1929	2.58239	9.0493	54.1939	2.58225237	0.00014629	No
Lgals7	0.84657	0.5385	-0.30807	2.05E-05	No	Atp6v1b1	0.0342558	62.5538	10.8345	0.0352558	62.5548	10.7930443	0.00090728	No
Lgi2	0.22129	0.03715	-0.18414	0.00063283	No	Atp6v1b2	26.8257	128.487	2.25993	26.8267	128.488	2.25989212	0.00014629	No
Lhx1	0.081347	0.010622	-0.070725	0.00057442	No	Atp6v1c1	31.4989	59.513	0.917903	31.4999	59.514	0.91788184	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Lhx4	0.39661	0.16654	-0.23007	0.004217	No	Atp6v1d	37.1633	84.5419	1.18579	37.1643	84.5429	1.18576617	0.00014629	No
Lhx5	0.12969	0.011075	-0.118615	2.36E-06	No	Atp6v1e1	30.9115	170.04	2.45966	30.9125	170.041	2.45962041	0.00014629	No
Lif	0.33366	0.12392	-0.20974	0.00743291	No	Atp6v1f	85.0348	203.184	1.25666	85.0358	203.185	1.25665165	0.00014629	No
Lin7a	0.093929	0.018502	-0.075427	4.73E-05	No	Atp6v1h	17.0232	33.4285	0.97358	17.0242	33.4295	0.97353477	0.00014629	No
Lingo3	0.16513	0.023123	-0.142007	6.96E-06	No	Atp8a1	16.5411	5.75947	-1.52205	16.5421	5.76047	-1.521884	0.00014629	No
Lmx1a	0.089382	0.027435	-0.061947	0.00067482	No	Atp8b1	0	2.07939	inf	0.001	2.08039	11.0226383	0.00014629	No
Lmx1b	0.087385	0.018544	-0.068841	1.61E-12	No	Atp8b2	10.0178	1.76517	-2.50468	10.0188	1.76617	-2.5040136	0.00014629	No
LOC100125362	0.19408	0.10086	-0.09322	0.00743291	No	Atp8b5	0.322299	4.25883	3.72399	0.323299	4.25983	3.71985491	0.0256967	No
LOC100125364	0.12125	0.031538	-0.089712	0.01931414	No	Atp9a	0.597241	33.2325	5.79814	0.598241	33.2335	5.79576764	0.00014629	No
LOC100909539	0.14317	0.019892	-0.123278	1.24E-09	No	Atp9b	15.1652	29.8814	0.978478	15.1662	29.8824	0.97843637	0.00252712	No
LOC100911068	0.95493	0.71728	-0.23765	0.00013873	No	Atpaf1	5.78365	12.3861	1.09867	5.78465	12.3871	1.09853689	0.00014629	No
LOC106182250	0.64874	0.16971	-0.47903	6.26E-05	No	Atpaf2	15.6399	37.5166	1.2623	15.6409	37.5176	1.26224401	0.00014629	No
LOC106736471	0.69391	0.42725	-0.26666	0.02065846	No	Atpif1	185.262	815.972	2.13895	185.263	815.973	2.13894663	0.00014629	No
LOC257642	0.37653	0.20743	-0.1691	3.61E-07	No	Atr	3.20278	1.04962	-1.60945	3.20378	1.05062	-1.6085341	0.00014629	No
LOC310926	0.36026	0.084576	-0.275684	1.61E-12	No	Atraid	9.80319	27.3168	1.47847	9.80419	27.3178	1.47837095	0.00184429	No
LOC500077	0.38085	0.14661	-0.23424	3.08E-05	No	Atrip	13.2122	50.7101	1.9404	13.2132	50.7111	1.94032167	0.00014629	No
LOC500331	0.96194	0.16674	-0.7952	1.61E-12	No	Atrn	4.96229	9.75835	0.975632	4.96329	9.75935	0.97548831	0.00014629	No
LOC500684	0.81196	0.6976	-0.11436	0.04666269	No	Atrnl1	0.509251	7.35883	3.85303	0.510251	7.35983	3.85039343	0.00014629	No
LOC681383	0.4041	0.10518	-0.29892	5.62E-06	No	Atrx	30.2347	6.98515	-2.11384	30.2357	6.98615	-2.1136835	0.00014629	No
LOC681766	0.47046	0.18457	-0.28589	1.95E-09	No	Atxn10	34.1792	47.6243	0.478581	34.1802	47.6253	0.47856734	0.0251567	No
LOC682102	0.093415	0.032404	-0.061011	1.61E-12	No	Atxn2	14.8853	36.8699	1.30856	14.8863	36.8709	1.30849742	0.00078603	No
LOC688765	0.10211	0.038059	-0.064051	0.00013121	No	Atxn2l	90.958	22.4152	-2.02073	90.959	22.4162	-2.0206747	0.00014629	No
LOC690435	0.70318	0.080659	-0.622521	3.90E-12	No	Atxn7	18.9834	3.40628	-2.47847	18.9844	3.40728	-2.478122	0.00014629	No
LOC690617	0.84869	0.21115	-0.63754	1.61E-12	No	ATXN7L2	23.6746	9.21585	-1.36115	23.6756	9.21685	-1.3610553	0.00014629	No
LOC691153	0.93234	0.12963	-0.80271	3.61E-07	No	Atxn7l3	27.9263	12.3006	-1.18289	27.9273	12.3016	-1.1828301	0.00014629	No
Lonrf3	0.089143	0.0026317	-0.0865113	0.00015888	No	Atxn7l4	17.3386	2.26055	-2.93924	17.3396	2.26155	-2.9386868	0.00014629	No
Loxl4	0.16962	0.030108	-0.139512	7.96E-06	No	AU040320	10.3477	26.1234	1.33603	10.3487	26.1244	1.33594835	0.00014629	No
Lrat	0.18845	0.055957	-0.132493	0.00017692	No	Aup1	106.087	159.876	0.591709	106.088	159.877	0.59170093	0.0298866	No
Lrfn3	0.1453	0.08179	-0.06351	0.00259554	No	Aurkaip1	72.0971	137.496	0.931381	72.0981	137.497	0.931367	0.00014629	No
Lrfn4	0.0022851	0.59894	0.5966549	3.61E-07	No	Aurkb	2.63189	0.963211	-1.45017	2.63289	0.964211	-1.4492265	0.0175479	No
Lrfn5	0.070023	0.010242	-0.059781	0.00026594	No	Avpi1	7.35203	39.5586	2.42777	7.35303	39.5596	2.42761706	0.00014629	No
Lrg1	0.083998	0.0086157	-0.0753823	5.48E-05	No	Avpr2	4.07819	8.15274	0.999357	4.07919	8.15374	0.99917925	0.0437514	No
Lrp4	0.12528	0.026911	-0.098369	1.27E-07	No	Axin1	32.5944	14.0853	-1.21043	32.5954	14.0863	-1.2103757	0.00014629	No
Lrrc23	0.026036	0.15823	0.132194	0.00099362	No	Azi1	4.66125	23.8061	2.35254	4.66225	23.8071	2.35229362	0.00014629	No
Lrrc26	0.18566	0.062399	-0.123261	4.24E-09	No	Azi2	44.8074	20.4713	-1.13014	44.8084	20.4723	-1.130096	0.00014629	No
Lrrc38	0.10996	0.014488	-0.095472	2.10E-06	No	Azin1	17.0698	11.5882	-0.5588	17.0708	11.5892	-0.5587497	0.0077167	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Lrrc4b	0.083412	0.019162	-0.06425	1.41E-05	No	B230118H07Rik	5.19988	88.1328	4.08313	5.20088	88.1338	4.08286775	0.00014629	No
Lrrc55	0.082917	0.02617	-0.056747	0.00119585	No	B2m	3090.92	349.364	-3.14523	3090.921	349.365	-3.1452298	0.00014629	No
Lrrc8d	0.87404	0.12961	-0.74443	3.61E-07	No	B3galnt1	0.0802281	4.0725	5.66566	0.0812281	4.0735	5.6481462	0.00014629	No
Lrrc8e	0.50079	0.038915	-0.461875	1.83E-06	No	B3galt5	1.89139	4.54836	1.2659	1.89239	4.54936	1.26545416	0.00014629	No
Lrrn4cl	0.78561	0.70379	-0.08182	0.02834942	No	B3gat1	0	7.69244	inf	0.001	7.69344	12.9094131	0.00014629	No
LRRTM1	0.12671	0.029798	-0.096912	0.00023951	No	B3gnt2	94.2739	6.61626	-3.83277	94.2749	6.61726	-3.8325678	0.00014629	No
Ltb4r	0.093099	0.0013298	-0.0917692	8.03E-08	No	B4galnt1	54.7036	4.20213	-3.70244	54.7046	4.20313	-3.7021262	0.00629035	No
Ltbp2	0.2461	0.053205	-0.192895	1.46E-05	No	B4galnt2	0.203853	1.15763	2.50557	0.204853	1.15863	2.499759	0.0266914	No
Lypd3	0.1091	0.042573	-0.066527	0.00143157	No	B4galnt4	0.587443	2.11816	1.85029	0.588443	2.11916	1.84851794	0.0368719	No
Lymr1	0.25705	0.073048	-0.184002	1.61E-12	No	B4galt1	37.2856	13.3026	-1.48691	37.2866	13.3036	-1.4868406	0.00014629	No
Mab21l2	0.017837	0.33256	0.314723	1.61E-12	No	B4galt3	17.689	39.9973	1.17705	17.69	39.9983	1.17700464	0.00014629	No
Mafb	0.24564	0.066077	-0.179563	2.49E-07	No	B4galt4	0.317948	4.43296	3.80141	0.318948	4.43396	3.79720262	0.0260584	No
Map10	0.42965	0.19089	-0.23876	8.75E-07	No	B4galt6	0.0976036	5.60793	5.84439	0.0986036	5.60893	5.82994145	0.00555587	No
Map3k10	0.43873	0.1453	-0.29343	3.91E-05	No	B630005N14Rik	12.3802	4.74166	-1.38457	12.3812	4.74266	-1.3843828	0.00014629	No
Map3k6	0.10583	0.020347	-0.085483	4.20E-05	No	B930041F14Rik	0	1.1331	inf	0.001	1.1341	10.1473321	0.00014629	No
Map3k9	0.10242	0.042766	-0.059654	0.02324623	No	Baat	0.0625264	1.73706	4.79603	0.0635264	1.73806	4.77397781	0.0180197	No
Map6	0.10815	0.03298	-0.07517	0.00047568	No	Babam1	45.8489	83.5844	0.866347	45.8499	83.5854	0.86633238	0.00014629	No
Mapk12	0.1471	0.018133	-0.128967	1.83E-06	No	Bach1	9.89319	3.67602	-1.42829	9.89419	3.67702	-1.4280446	0.00014629	No
Mapk9	0.10269	0.021339	-0.081351	0.00047568	No	Bach2	30.616	2.2299	-3.77923	30.617	2.2309	-3.7786352	0.00014629	No
Marveld2	0.21672	0.022625	-0.194095	8.75E-07	No	Bad	21.888	49.4475	1.17575	21.889	49.4485	1.17572071	0.00014629	No
Marveld3	0.10732	0.015303	-0.092017	1.61E-12	No	Bag2	0.686991	8.67855	3.65909	0.687991	8.67955	3.65715865	0.00014629	No
Matn3	0.43847	0.1681	-0.27037	0.00639124	No	Bag4	8.65367	5.77961	-0.58234	8.65467	5.78061	-0.5822571	0.0120521	No
Mb21d2	0.52405	0.15494	-0.36911	7.44E-07	No	Bai1	0	3.40854	inf	0.001	3.40954	11.7353614	0.00014629	No
Mc3r	0.77175	0.59202	-0.17973	0.00015888	No	Baiap2	5.16478	40.316	2.96457	5.16578	40.317	2.96433018	0.00014629	No
Mcoln2	0.15106	0.053925	-0.097135	0.00389713	No	Baiap2l1	1.17459	11.2233	3.25626	1.17559	11.2243	3.25516858	0.00014629	No
Mdga2	0.089387	0.032118	-0.057269	8.52E-05	No	Baiap2l2	1.81701	437.991	7.91319	1.81801	437.992	7.91240057	0.00014629	No
Mdk	0.95813	0.10894	-0.84919	3.61E-07	No	Baiap3	45.278	3.08061	-3.87752	45.279	3.08161	-3.8770859	0.00014629	No
Megf6	0.09543	0.027474	-0.067956	0.00019529	No	Bak1	30.569	13.9166	-1.13526	30.57	13.9176	-1.1352061	0.00014629	No
Meox1	0.1317	0.0040648	-0.1276352	3.08E-05	No	Bambi	0.482414	27.9522	5.85655	0.483414	27.9532	5.85361038	0.00041099	No
Mfap2	0.49365	0.20457	-0.28908	1.52E-05	No	Banp	21.5496	14.3763	-0.58397	21.5506	14.3773	-0.5839353	0.0171742	No
Mfge8	0.025332	0.31744	0.292108	0.0017172	No	Barx2	0	4.96161	inf	0.001	4.96261	12.2768834	0.00014629	No
Mfsd2a	0.1991	0.095599	-0.103501	0.0030913	No	Batf	30.5331	2.9102	-3.39118	30.5341	2.9112	-3.3907355	0.00066215	No
Mgat4c	0.64354	0.19044	-0.4531	0.00099362	No	Baz1a	21.3701	3.29039	-2.69926	21.3711	3.29139	-2.6988923	0.00014629	No
Mgat4d	0.50777	0.13551	-0.37226	4.96E-07	No	Baz1b	37.6158	17.3583	-1.11571	37.6168	17.3593	-1.1156684	0.00014629	No
MGC114492	0.85387	0.67097	-0.1829	0.00157493	No	Baz2a	72.4974	9.85562	-2.87891	72.4984	9.85662	-2.8787842	0.00014629	No
MGC94207	0.79137	0.14572	-0.64565	1.61E-12	No	Baz2b	36.9637	11.4965	-1.68492	36.9647	11.4975	-1.684828	0.00014629	No
MGC95208	0.40421	0.074249	-0.329961	1.44E-06	No	Bbc3	26.3191	9.80056	-1.42517	26.3201	9.80156	-1.4250817	0.00014629	No
Miat	0.10129	0.026394	-0.074896	2.94E-08	No	Bbs1	0.40517	9.49117	4.54998	0.40617	9.49217	4.54658235	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mir10b	0.029576	0.21029	0.180714	0.00293459	No	Bbs10	15.097	5.54645	-1.44462	15.098	5.54745	-1.4444608	0.0118533	No
Mir1199	0.10776	0.014616	-0.093144	7.96E-06	No	Bbs2	8.47563	66.8681	2.97993	8.47663	66.8691	2.97977698	0.00014629	No
Mir1247	0.093826	0.013637	-0.080189	1.61E-12	No	Bbs5	1.20076	13.4649	3.48719	1.20176	13.4659	3.48608994	0.00014629	No
Mir126	0.9668	0.89439	-0.07241	0.01931414	No	Bbx	5.98451	3.08182	-0.957451	5.98551	3.08282	-0.9572235	0.00014629	No
Mir129-2	0.067511	0.012459	-0.055052	6.57E-07	No	BC005537	109.149	63.7066	-0.776785	109.15	63.7076	-0.7767747	0.00014629	No
Mir137	0.092379	0.03426	-0.058119	0.00803385	No	BC005561	1.41942	0.316918	-2.16311	1.42042	0.317918	-2.159591	0.00041099	No
Mir138-2	0.19371	0.45856	0.26485	3.91E-05	No	BC021891	0	9.55048	inf	0.001	9.55148	13.2215086	0.00014629	No
Mir141	0.77394	0.60506	-0.16888	0.00055788	No	BC049762	0.146021	10.2887	6.13874	0.147021	10.2897	6.12903487	0.0103501	No
Mir146b	0.2423	0.070685	-0.171615	0.00580037	No	BC068281	1.19084	6.86157	2.52656	1.19184	6.86257	2.52555839	0.00014629	No
Mir149	0.078919	0.29049	0.211571	0.00057442	No	Bcam	0	128.986	inf	0.001	128.987	16.9768661	0.00014629	No
Mir196a	0.035073	0.1654	0.130327	0.01079042	No	Bcap29	79.8494	6.77038	-3.55997	79.8504	6.77138	-3.5597778	0.00014629	No
Mir196b	0.12856	0.032857	-0.095703	0.00012705	No	Bcap31	160.614	70.7706	-1.18237	160.615	70.7716	-1.1823642	0.00014629	No
Mir196c	0.11319	0.39646	0.28327	3.23E-10	No	Bcar1	0.0329527	52.3715	10.6342	0.0339527	52.3725	10.5910675	0.00307875	No
Mir203	0.09603	0.011306	-0.084724	3.00E-09	No	Bcar3	0.697948	6.45597	3.20944	0.698948	6.45697	3.20760029	0.00014629	No
Mir25	0.88591	0.62936	-0.25655	0.00051431	No	Bcas2	95.6031	39.0896	-1.29027	95.6041	39.0906	-1.2902508	0.00014629	No
Mir295-1	0.7963	0.59674	-0.19956	0.0179568	No	Bckdha	27.9811	136.284	2.2841	27.9821	136.285	2.28405064	0.00014629	No
Mir2964	0.81169	0.39774	-0.41395	1.61E-12	No	Bckdhb	22.4962	127.672	2.50469	22.4972	127.673	2.5046361	0.00014629	No
Mir3065	0.78627	0.090699	-0.695571	1.61E-12	No	Bcl10	26.0173	18.5101	-0.491157	26.0183	18.5111	-0.4911361	0.038868	No
Mir3072	0.27958	0.10243	-0.17715	0.04063154	No	BCL11B	61.0008	1.53259	-5.31479	61.0018	1.53359	-5.3138671	0.00014629	No
Mir326	0.78588	0.25181	-0.53407	0.00014495	No	Bcl2	27.3651	2.636	-3.37591	27.3661	2.637	-3.3754204	0.00014629	No
Mir341	0.3854	0.15557	-0.22983	1.61E-12	No	Bcl2l1	4.83115	102.876	4.4124	4.83215	102.877	4.41211143	0.00014629	No
Mir346	0.083183	0.024073	-0.05911	0.00157493	No	BCL2L11	9.65586	1.23928	-2.96191	9.65686	1.24028	-2.9608883	0.00014629	No
Mir34a	0.84489	0.6281	-0.21679	0.02065846	No	Bcl2l14	0.1654	3.28124	4.31021	0.1664	3.28224	4.3019534	0.0159399	No
Mir3547	0.87044	0.56836	-0.30208	0.004217	No	Bcl2l2	238.166	366.993	0.623785	238.167	366.994	0.62378295	0.0270645	No
Mir3569	0.55186	0.040726	-0.511134	2.38E-10	No	Bcl7a	1.2971	8.98168	2.7917	1.2981	8.98268	2.79074441	0.00014629	No
Mir3590	0.31921	0.0304	-0.28881	3.61E-07	No	Bcl7c	31.7741	53.5605	0.753315	31.7751	53.5615	0.7532997	0.00586782	No
Mir378	0.55051	0.046329	-0.504181	3.61E-07	No	Bcl9l	31.2006	8.70749	-1.84125	31.2016	8.70849	-1.8411255	0.00014629	No
Mir380	0.96267	0.90048	-0.06219	0.00143157	No	Bclaf1	93.8446	35.2268	-1.4136	93.8456	35.2278	-1.4135747	0.00041099	No
Mir455	0.78846	0.37714	-0.41132	3.38E-05	No	Bcs1l	2.50289	8.32418	1.73372	2.50389	8.32518	1.73331028	0.00014629	No
Mir6314	0.43147	0.2059	-0.22557	0.00157493	No	Bdh2	2.53529	98.1856	5.27529	2.53629	98.1866	5.27473453	0.00014629	No
Mir6328	0.0056803	0.34678	0.3410997	8.00E-12	No	Bdp1	12.1852	2.63691	-2.20821	12.1862	2.63791	-2.2077811	0.00014629	No
Mir6333	0.52305	0.084991	-0.438059	7.44E-07	No	Becn1	59.0215	42.1116	-0.487022	59.0225	42.1126	-0.4870131	0.016989	No
Mir9-1	0.12866	0.01963	-0.10903	1.33E-06	No	Bend3	1.19723	0.208231	-2.52344	1.19823	0.209231	-2.5177363	0.0220286	No
Mir9-3	0.2253	0.052944	-0.172356	0.00039347	No	Bend5	3.10667	28.4604	3.19551	3.10767	28.4614	3.19510141	0.00014629	No
Mir99b	0.81799	0.32448	-0.49351	1.61E-12	No	Bend7	0	8.14962	inf	0.001	8.15062	12.9926941	0.00014629	No
Misp	0.79754	0.067171	-0.730369	1.15E-05	No	Bex1	9.32465	29.9982	1.68575	9.32565	29.9992	1.68564784	0.00014629	No
Mlst8	0.4806	0.32063	-0.15997	0.00593418	No	Bex2	2.33739	12.4056	2.40803	2.33839	12.4066	2.40752033	0.00014629	No
Mlxipl	0.15876	0.019843	-0.138917	4.95E-06	No	Bhlhe22	2.71618	0	-inf	2.71718	0.001	-11.407894	0.00014629	No
Mmd2	0.1625	0.027242	-0.135258	1.02E-05	No	Bhlhe40	4.17477	38.8994	3.21998	4.17577	38.9004	3.21967083	0.00014629	No
Mmp14	0.13362	0.025455	-0.108165	0.00259554	No	Bicc1	0.13346	24.5637	7.52397	0.13446	24.5647	7.51326576	0.00014629	No
Mmp16	0.066712	0.0091333	-0.0575787	1.61E-12	No	Bicd2	10.1687	32.1974	1.66281	10.1697	32.1984	1.66271188	0.00274649	No
Mmp23	0.11419	0.031509	-0.082681	0.00043492	No	Bid	40.1331	9.13398	-2.13548	40.1341	9.13498	-2.1353551	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mmp9	0.18496	0.1034	-0.08156	0.00389713	No	Bin3	20.3529	29.5628	0.538547	20.3539	29.5638	0.53852646	0.0221218	No
Mn1	0.88336	0.12091	-0.76245	1.61E-12	No	Birc2	25.413	13.413	-0.921931	25.414	13.414	-0.921884	0.00014629	No
Mrc2	0.80172	0.3498	-0.45192	0.00063283	No	Birc6	14.912	1.63167	-3.19205	14.913	1.63267	-3.1912654	0.00053701	No
Mrgprf	0.13601	0.051569	-0.084441	0.0013856	No	BIVM	6.60649	13.9967	1.08313	6.60749	13.9977	1.08301555	0.00041099	No
Mrpl14	0.085316	0.011757	-0.073559	0.00019529	No	Blcap	18.6482	42.8154	1.19909	18.6492	42.8164	1.19904976	0.00014629	No
Msc	0.32935	0.082677	-0.246673	8.52E-05	No	Blnk	2.09184	14.7078	2.81374	2.09284	14.7088	2.81314563	0.00014629	No
Mst1r	0.54439	0.15845	-0.38594	6.57E-07	No	Bloc1s1	63.2135	228.652	1.85485	63.2145	228.653	1.85483242	0.00014629	No
Mt1	0.31472	0.066022	-0.248698	1.57E-07	No	Bloc1s2	59.0769	24.9529	-1.24339	59.0779	24.9539	-1.2433532	0.00014629	No
Mtnr1b	0.43665	0.75934	0.32269	2.10E-06	No	Bloc1s3	8.54841	16.2112	0.923263	8.54941	16.2122	0.92318311	0.0411275	No
Murc	0.87886	0.69412	-0.18474	0.00935402	No	Bloc1s5	10.0754	24.4148	1.27692	10.0764	24.4158	1.27683475	0.00014629	No
Mvp	0.83763	0.27104	-0.56659	7.44E-07	No	Bloc1s6	6.52309	10.2664	0.654307	6.52409	10.2674	0.65422231	0.0185598	No
Myadml2	0.87177	0.66658	-0.20519	0.00013121	No	Blvra	15.6019	45.141	1.53272	15.6029	45.142	1.53265614	0.00014629	No
Mycs	0.073413	0.0025166	-0.0708964	5.62E-06	No	BLVRB	6.24294	21.4739	1.78229	6.24394	21.4749	1.78212283	0.00014629	No
Myh14	0.1446	0.038319	-0.106281	0.00500595	No	Blzf1	13.5044	5.19827	-1.37732	13.5054	5.19927	-1.3771554	0.00014629	No
Myh6	0.52745	0.14355	-0.3839	4.27E-06	No	Bmf	1.27647	3.02456	1.24456	1.27747	3.02556	1.24391278	0.0185598	No
Myocd	0.32235	0.073254	-0.249096	3.87E-06	No	Bmp1	0.621668	13.9892	4.49202	0.622668	13.9902	4.48980964	0.00014629	No
Myod1	0.10925	0.029857	-0.079393	0.00035126	No	Bmp4	0.458379	47.3843	6.69172	0.459379	47.3853	6.68861085	0.00014629	No
Mypn	0.8064	0.65593	-0.15047	0.01247474	No	Bmpr1a	0.0654591	7.15305	6.77182	0.0664591	7.15405	6.75014964	0.0105557	No
Myt1l	0.069946	0.015206	-0.05474	2.98E-07	No	Bmpr2	3.27436	5.23046	0.675725	3.27536	5.23146	0.67556015	0.00700299	No
Nacad	0.13506	0.053874	-0.081186	0.00028703	No	Bms1	30.331	16.7487	-0.856741	30.332	16.7497	-0.8567054	0.00014629	No
Nags	0.11927	0.04384	-0.07543	0.00051431	No	Bnip2	34.1305	12.3912	-1.46174	34.1315	12.3922	-1.4616715	0.00014629	No
Nalcn	0.17055	0.032518	-0.138032	1.61E-12	No	Bnip3	1.95965	108.079	5.78535	1.96065	108.08	5.78462375	0.00014629	No
Nap1l5	0.44036	0.6691	0.22874	0.00039347	No	Bnip3l	59.3431	30.9768	-0.937892	59.3441	30.9778	-0.9378699	0.00014629	No
Naprt	0.50661	0.042238	-0.464372	2.94E-10	No	Boc	0.282792	3.91255	3.79029	0.283792	3.91355	3.78557205	0.00014629	No
Nat8f5	0.78252	0.066778	-0.715742	3.61E-07	No	BOD1	6.90989	28.8135	2.06001	6.91089	28.8145	2.05985156	0.00014629	No
Ncan	0.089917	0.018648	-0.071269	8.66E-06	No	Bod1l	30.409	8.42026	-1.85256	30.41	8.42126	-1.8524378	0.00014629	No
Nccrp1	0.01646	0.078504	0.062044	0.00500595	No	Bola1	18.1934	52.6668	1.53348	18.1944	52.6678	1.53342672	0.00014629	No
Nck2	0.0047342	0.093602	0.0888678	0.00082506	No	Bola3	24.4567	70.0772	1.51872	24.4577	70.0782	1.51867698	0.00014629	No
Ndn	0.26102	0.092119	-0.168901	0.00076943	No	Bora	7.78149	1.21147	-2.68329	7.78249	1.21247	-2.6822828	0.00274649	No
Ndnf2	0.080783	0.0086732	-0.0721098	6.30E-06	No	Bpgm	12.2056	29.2674	1.26175	12.2066	29.2684	1.26168247	0.00014629	No
Ndr3	0.06424	0.0074932	-0.0567468	0.00210055	No	Bphl	0.58759	73.1406	6.95972	0.58859	73.1416	6.95728534	0.00014629	No
Ndufa10l1	0.69311	0.07015	-0.62296	8.00E-12	No	Bpnt1	9.91785	24.5748	1.30908	9.91885	24.5758	1.30899361	0.00014629	No
Ndufs6	0.97976	0.87168	-0.10808	0.00057442	No	Braf	3.6093	1.63459	-1.14279	3.6103	1.63559	-1.1423076	0.00138312	No
Necab2	0.009303	0.091158	0.081855	0.0017172	No	Brp	22.9079	10.9582	-1.06384	22.9089	10.9592	-1.0637657	0.0264168	No
Negr1	0.068333	0.0010592	-0.0672738	3.61E-07	No	Brd1	39.8309	12.2276	-1.70374	39.8319	12.2286	-1.7036651	0.00014629	No
Neil2	0.47017	0.056058	-0.414112	1.63E-09	No	Brd3	12.4204	7.98001	-0.638249	12.4214	7.98101	-0.6381846	0.00792329	No
Nell2	0.10578	0.0099459	-0.0958341	4.59E-07	No	Brd4	46.8841	11.9036	-1.9777	46.8851	11.9046	-1.9776104	0.00014629	No
Neurl1	0.18594	0.085032	-0.100908	0.02324623	No	Bre	23.8563	39.2932	0.719908	23.8573	39.2942	0.7198856	0.00448672	No
Neurod2	0.11098	0.018606	-0.092374	2.28E-05	No	Brf1	34.5993	114.588	1.72764	34.6003	114.589	1.72761211	0.00014629	No
Neurog1	0.15364	0.011928	-0.141712	4.24E-09	No	Brf2	10.516	6.16389	-0.770675	10.517	6.16489	-0.7705762	0.0204477	No
Neurog3	0.17572	0.0075456	-0.1681744	1.44E-06	No	Bri3	55.1294	330.348	2.58309	55.1304	330.349	2.583071	0.00014629	No
Nfasc	0.2048	0.047264	-0.157536	2.91E-05	No	Bricd5	5.64048	31.8252	2.49628	5.64148	31.8262	2.49606931	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ngb	0.2791	0.1049	-0.1742	6.76E-05	No	Brox	25.7394	17.7603	-0.535317	25.7404	17.7613	-0.5352973	0.0117565	No
Ngfr	0.10898	0.0133	-0.09568	0.00099362	No	Brpf1	16.942	8.00603	-1.08144	16.943	8.00703	-1.0813502	0.00014629	No
Nhlh2	0.053316	0.039949	-0.013367	0.00082506	No	Brpf3	10.0187	4.2378	-1.2413	10.0197	4.2388	-1.2411115	0.00014629	No
Nhlrc1	0.42174	0.22016	-0.20158	0.00051431	No	Brwd1	15.8588	7.8176	-1.02048	15.8598	7.8186	-1.0203924	0.00263402	No
Nipsnap3a	0.89324	0.71493	-0.17831	2.05E-05	No	Brwd3	3.34664	1.04986	-1.67251	3.34764	1.05086	-1.6715739	0.00352183	No
Nkain3	0.077716	0.0094153	-0.0683007	1.28E-06	No	Bscl2	36.0085	84.4542	1.22983	36.0095	84.4552	1.22980869	0.00014629	No
Nkx1-2	0.10496	0.022805	-0.082155	0.00935402	No	Bsdc1	9.01123	17.3167	0.942366	9.01223	17.3177	0.9422913	0.00014629	No
Nkx2-3	0.10331	0.043921	-0.059389	0.00143157	No	Bsg	84.3055	562.774	2.73886	84.3065	562.775	2.73884247	0.00014629	No
Nkx2-5	0.47752	0.18214	-0.29538	0.00015888	No	Bsnd	0	12.8415	inf	0.001	12.8425	13.6486385	0.00014629	No
Nkx2-8	0.093689	0.02334	-0.070349	3.43E-12	No	Bspry	3.70598	44.3949	3.58247	3.70698	44.3959	3.58211021	0.00014629	No
Nkx3-1	0.11858	0.022464	-0.096116	4.96E-07	No	Bst1	6.2635	78.4781	3.64725	6.2645	78.4791	3.64703723	0.00014629	No
Nkx6-2	0.084738	0.012855	-0.071883	2.01E-08	No	Bst2	69.6163	41.3039	-0.753147	69.6173	41.3049	-0.7531329	0.00102864	No
Nlgn3	0.22191	0.078333	-0.143577	0.00023889	No	Btaf1	11.6106	4.91803	-1.23929	11.6116	4.91903	-1.239121	0.00014629	No
Nlrp6	0.20098	0.052134	-0.148846	0.00039347	No	Btbd1	42.3434	20.2344	-1.06533	42.3444	20.2354	-1.0652898	0.00014629	No
Nmnat2	0.072344	0.016001	-0.056343	5.62E-06	No	Btbd2	14.2826	33.4914	1.22953	14.2836	33.4924	1.22947412	0.00014629	No
Nnat	0.36957	0.13194	-0.23763	1.61E-12	No	Btbd6	3.41237	24.3703	2.83628	3.41337	24.3713	2.8359145	0.00114835	No
Nobox	0.46343	0.33333	-0.1301	0.04893177	No	Btbd7	5.95244	3.78449	-0.653382	5.95344	3.78549	-0.6532435	0.00480938	No
Nodal	0.45864	0.17323	-0.28541	0.00021752	No	Btc	0	2.72801	inf	0.001	2.72901	11.414162	0.00014629	No
Nog	0.05598	2.50E-07	-0.0559798	5.23E-07	No	Btd	5.1182	29.4217	2.52317	5.1192	29.4227	2.52293937	0.00014629	No
Nol3	0.18276	0.36199	0.17923	0.01194539	No	Btf3	656.083	308.102	-1.09047	656.084	308.103	-1.0904678	0.00014629	No
Nol4	0.1263	0.022887	-0.103413	6.17E-07	No	Btg1	1406.67	104.448	-3.75142	1406.671	104.449	-3.7514144	0.00014629	No
Nop10	0.41667	0.12829	-0.28838	3.61E-07	No	Btg2	327.826	45.8794	-2.83701	327.827	45.8804	-2.8369848	0.00014629	No
Npas4	0.24137	0.067713	-0.173657	5.27E-11	No	Btg3	2.68678	16.0555	2.57912	2.68778	16.0565	2.57867049	0.00014629	No
Npffr1	0.091197	0.040825	-0.050372	0.00210055	No	Btla	13.2536	0.190383	-6.12134	13.2546	0.191383	-6.1138866	0.0242332	No
Npr1	0.44452	0.2598	-0.18472	0.01931414	No	Bzw1	74.5542	41.721	-0.837517	74.5552	41.722	-0.8375007	0.00014629	No
Nptx2	0.14001	0.043441	-0.096569	4.27E-06	No	Bzw2	48.9953	15.0675	-1.7012	48.9963	15.0685	-1.701137	0.00014629	No
Npw	0.1821	0.053705	-0.128395	0.00343039	No	C1galt1	14.3548	4.8619	-1.56194	14.3558	4.8629	-1.5617449	0.00014629	No
Npy5r	0.12741	0.031722	-0.095688	1.80E-10	No	C1galt1c1	5.25646	14.5529	1.46915	5.25746	14.5539	1.46896793	0.00014629	No
Nr2e1	0.086669	0.033348	-0.053321	1.64E-07	No	C1qa	0	7.47158	inf	0.001	7.47258	12.8673907	0.00014629	No
Nr2f2	0.11717	0.013308	-0.103862	4.95E-06	No	C1qb	0	4.76754	inf	0.001	4.76854	12.2193319	0.00014629	No
Nradd	0.93149	0.014806	-0.916684	8.00E-12	No	C1qc	0	11.9256	inf	0.001	11.9266	13.5418952	0.00014629	No
Nrk	0.082858	0.018069	-0.064789	2.80E-10	No	C2	0.441654	3.22232	2.86711	0.442654	3.22332	2.86429606	0.00014629	No
Nrsn2	0.84205	0.4007	-0.44135	5.68E-07	No	C3	0.307186	2.47803	3.01201	0.308186	2.47903	3.0079025	0.00014629	No
Nt5c1a	0.39953	0.12882	-0.27071	0.00051431	No	C330018D20 Rik	14.4057	23.5674	0.710152	14.4067	23.5684	0.71011391	0.00864487	No
Ntn1	0.1107	0.041498	-0.069202	0.00017692	No	C4b	0.677755	13.2952	4.29399	0.678755	13.2962	4.29197926	0.00296747	No
Ntn3	0.14516	0.039709	-0.105451	2.57E-05	No	C5	0.0678092	3.21919	5.56907	0.0688092	3.22019	5.54840053	0.00126596	No
Ntrk2	0.12413	0.013228	-0.110902	2.94E-08	No	Caap1	15.0815	7.8018	-0.9509	15.0825	7.8028	-0.9508118	0.00078603	No
Nuak1	0.092056	0.030681	-0.061375	0.00022224	No	Cab39	57.6708	30.4063	-0.923471	57.6718	30.4073	-0.9234483	0.00014629	No
Numbl	0.9689	0.75962	-0.20928	0.00743291	No	Cabin1	12.1888	18.7672	0.622649	12.1898	18.7682	0.62261584	0.0392145	No
Nvl	0.85873	0.70407	-0.15466	0.02194182	No	Cables1	0.10742	4.92046	5.51746	0.10842	4.92146	5.50438355	0.00161718	No
Nxph3	0.11042	0.02792	-0.0825	0.01008382	No	Cabp1	0.645658	53.4386	6.37097	0.646658	53.4396	6.36876249	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nyap1	0.065007	0.012113	-0.052894	0.0179568	No	Cacfd1	4.86374	23.3648	2.2642	4.86474	23.3658	2.26396383	0.00014629	No
Odf3b	0.089748	0.013088	-0.07666	0.00019529	No	Cacna1d	0.100514	1.22502	3.60734	0.101514	1.22602	3.5942319	0.00014629	No
Ogfod1	0.21136	0.048341	-0.163019	3.61E-07	No	Cacna1h	0.0921492	1.21565	3.72161	0.0931492	1.21665	3.70722701	0.00014629	No
Olig2	0.088043	0.024389	-0.063654	0.00063283	No	Cacna2d3	0	0.998428	inf	0.001	0.999428	9.96495883	0.00014629	No
Olr1462	0.61975	0.34747	-0.27228	0.00047568	No	Cacnb2	0.543117	1.50758	1.4729	0.544117	1.50858	1.4712024	0.00533979	No
Olr857	0.632	0.27805	-0.35395	0.00165151	No	Cacng5	0	5.37109	inf	0.001	5.37209	12.3912678	0.00014629	No
Olr877	0.96556	0.86789	-0.09767	0.00082506	No	Cacul1	25.5747	10.6469	-1.26428	25.5757	10.6479	-1.2642048	0.00014629	No
Opcml	0.080205	0.020865	-0.05934	9.70E-11	No	Cad	26.392	9.13572	-1.53051	26.393	9.13672	-1.5304071	0.00014629	No
Oprm1	0.063356	0.012555	-0.050801	0.00024415	No	Cadm1	0.203617	4.40029	4.43366	0.204617	4.40129	4.42692852	0.00014629	No
Osbpl8	0.27691	0.063676	-0.213234	1.12E-06	No	Cadps2	0.061785	7.19528	6.86365	0.062785	7.19628	6.84068759	0.00014629	No
Osm	0.0049708	0.42874	0.4237692	6.30E-06	No	Calcoco1	21.6392	13.5373	-0.676714	21.6402	13.5383	-0.6766672	0.00126596	No
Otop1	0.075302	0.0082995	-0.0670025	1.44E-06	No	Calcr1	7.70883	1.40817	-2.45269	7.70983	1.40917	-2.4518534	0.0273452	No
Otop2	0.45054	0.29917	-0.15137	0.03210797	No	Cald1	0.0260675	60.4542	11.1794	0.0270675	60.4552	11.1250891	0.0261464	No
Otop3	0.1613	0.095189	-0.066111	0.04431681	No	Calhm2	3.3901	1.56498	-1.11519	3.3911	1.56598	-1.1146875	0.018934	No
Otp	0.17875	0.057166	-0.121584	2.28E-07	No	Caln1	252.273	125.431	-1.00809	252.274	125.432	-1.0080861	0.00014629	No
Otulin	0.094038	0.0024165	-0.0916215	6.26E-05	No	Caln3	70.7617	170.732	1.2707	70.7627	170.733	1.27068093	0.00014629	No
Ovol1	0.14018	0.022285	-0.117895	0.00069112	No	Caln13	0	1.53161	inf	0.001	1.53261	10.5817749	0.00014629	No
Oxct2a	0.57584	0.19636	-0.37948	9.50E-05	No	Caln14	1.09711	232.453	7.72709	1.09811	232.454	7.72577886	0.00014629	No
Oxtr	0.15528	0.046921	-0.108359	0.00099362	No	Caln1	0	4.55803	inf	0.001	4.55903	12.1545112	0.00014629	No
P2rx2	0.73747	0.46674	-0.27073	0.02065846	No	Calu	20.1235	14.6421	-0.458765	20.1245	14.6431	-0.4587319	0.0335581	No
P2rx7	0.7473	0.27413	-0.47317	1.59E-10	No	Camk1	0.302681	34.6488	6.83886	0.303681	34.6498	6.83414657	0.00053701	No
P2ry2	0.13497	0.01254	-0.12243	1.11E-08	No	Camk1d	4.43757	0.172694	-4.68348	4.43857	0.173694	-4.6754751	0.00014629	No
P3h2	0.11724	0.027619	-0.089621	0.00069112	No	Camk2d	21.9125	7.48405	-1.54986	21.9135	7.48505	-1.5497361	0.00014629	No
P4ha2	0.29119	0.10735	-0.18384	0.00470016	No	Camk2g	29.9991	9.41558	-1.6718	30.0001	9.41658	-1.6716922	0.00014629	No
Pabpc5	0.13943	0.023819	-0.115611	4.95E-06	No	Camk4	52.1784	4.82037	-3.43624	52.1794	4.82137	-3.4359653	0.00014629	No
Pak7	0.098157	0.031539	-0.066618	2.40E-06	No	Camkk2	4.06576	2.03377	-0.999364	4.06676	2.03477	-0.9990141	0.0109563	No
Palm2	0.28186	0.084989	-0.196871	0.03705648	No	Camta1	7.99358	0.246593	-5.01864	7.99458	0.247593	-5.0129798	0.00014629	No
Palmd	0.51266	0.13604	-0.37662	6.26E-05	No	Cand2	0.587076	1.53966	1.39099	0.588076	1.54066	1.389474	0.00470105	No
Papalb	0.40337	0.1799	-0.22347	9.66E-07	No	Canx	115.709	76.6787	-0.593604	115.71	76.6797	-0.593597	0.00363169	No
Pappa	0.13877	0.070175	-0.068595	0.002433	No	Cap1	189.72	51.1706	-1.89049	189.721	51.1716	-1.8904641	0.00014629	No
Paqr4	0.36035	0.24453	-0.11582	0.00082506	No	Capg	12.6092	33.8621	1.42519	12.6102	33.8631	1.42512289	0.00014629	No
Pax1	0.067989	0.024501	-0.043488	1.22E-05	No	Capn13	0	1.57618	inf	0.001	1.57718	10.6231316	0.00014629	No
Pax3	0.077528	0.025744	-0.051784	0.00389713	No	Capn2	26.09	36.1714	0.47135	26.091	36.1724	0.47133708	0.0183831	No
Pax7	0.11006	0.045257	-0.064803	5.68E-07	No	Capn6	0	1.18482	inf	0.001	1.18582	10.2116693	0.00014629	No
Pcdh20	0.3051	0.18136	-0.12374	0.04431681	No	Caprin1	75.3545	48.711	-0.629446	75.3555	48.712	-0.6294356	0.0105557	No
Pcdh8	0.18786	0.056827	-0.131033	7.78E-05	No	Caprin2	6.12544	15.7978	1.36684	6.12644	15.7988	1.36669409	0.00028114	No
Pcdh9	0.034848	0.19726	0.162412	5.68E-07	No	Capza1	152.945	21.4563	-2.83354	152.946	21.4573	-2.8334819	0.00014629	No
Pcdha8	0.47914	0.32837	-0.15077	0.04794029	No	Capza2	94.1076	48.6117	-0.953008	94.1086	48.6127	-0.9529933	0.00014629	No
Pcdha9	0.34102	0.17207	-0.16895	3.93E-06	No	Capzb	351.957	161.919	-1.12013	351.958	161.92	-1.1201221	0.00014629	No
Pcdhac1	0.30044	0.16166	-0.13878	0.00110448	No	Car11	1.91835	22.9725	3.58197	1.91935	22.9735	3.58128095	0.00014629	No
Pcdhac2	0.10801	0.019817	-0.088193	1.15E-05	No	Car12	0.350227	242.526	9.43564	0.351227	242.527	9.4315259	0.00014629	No
Pcdhga10	0.4566	0.13292	-0.32368	6.57E-07	No	Car14	2.81137	31.9587	3.50686	2.81237	31.9597	3.50639555	0.0330385	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pcdhga2	0.50509	0.38226	-0.12283	0.00487164	No	Car2	38.5928	355.011	3.20146	38.5938	355.012	3.20142679	0.00014629	No
Pcdhga3	0.45753	0.28265	-0.17488	3.65E-05	No	Car5b	0.14673	38.5831	8.03866	0.14773	38.5841	8.02889982	0.00014629	No
Pcdhga8	0.47742	0.22871	-0.24871	5.48E-05	No	Car6	5.80166	30.0957	2.37502	5.80266	30.0967	2.37481901	0.00014629	No
Pcdhgb7	0.67331	0.45641	-0.2169	0.00226691	No	Card11	30.904	4.1397	-2.90019	30.905	4.1407	-2.8998937	0.00014629	No
Pclo	0.1537	0.019153	-0.134547	5.62E-06	No	Card6	28.2667	1.10388	-4.67844	28.2677	1.10488	-4.6771929	0.00014629	No
Pcsk1n	0.1762	0.03849	-0.13771	1.53E-06	No	Card9	0.150398	12.236	6.34621	0.151398	12.237	6.33675996	0.0175479	No
Pcsk2	0.085077	0.019632	-0.065445	6.76E-05	No	Carf	5.6929	1.41506	-2.0083	5.6939	1.41606	-2.0075348	0.00184429	No
Pcsk9	0.13346	0.04015	-0.09331	0.00226691	No	Carkd	27.1479	43.587	0.683058	27.1489	43.588	0.68303726	0.0251567	No
Pde10a	0.3215	0.19987	-0.12163	0.01247474	No	Carm1	38.223	22.2234	-0.782361	38.224	22.2244	-0.7823343	0.00459197	No
Pde1b	0.30426	0.080165	-0.224095	0.0013856	No	Cars	5.33944	11.6625	1.12711	5.34044	11.6635	1.12697026	0.00014629	No
Pde3a	0.11444	0.019805	-0.094635	0.00043492	No	Casc3	24.459	6.06381	-2.01207	24.46	6.06481	-2.01189	0.00014629	No
Pdx1	0.15534	0.045594	-0.109746	0.00187484	No	Casd1	28.9767	2.81171	-3.36538	28.9777	2.81271	-3.3649104	0.00014629	No
Peg12	0.16415	0.068874	-0.095276	3.68E-06	No	Caskin2	0.222488	11.2278	5.6572	0.223488	11.2288	5.65086258	0.0151721	No
Peg3	0.44977	0.27299	-0.17678	0.00021752	No	Casp1	72.2712	9.19148	-2.97505	72.2722	9.19248	-2.9749148	0.00014629	No
Perp	0.13216	0.022439	-0.109721	0.00021752	No	Casp12	0.789918	6.23618	2.98089	0.790918	6.23718	2.97929386	0.0145969	No
Pex5l	0.065843	0.010752	-0.055091	1.61E-12	No	Casp3	16.0864	6.53592	-1.29938	16.0874	6.53692	-1.2992482	0.00014629	No
Pgbd5	0.13556	0.03665	-0.09891	3.65E-05	No	Casp7	5.81459	9.68216	0.735652	5.81559	9.68316	0.73555237	0.0108581	No
Pgc	0.83418	0.75959	-0.07459	0.03705648	No	Casp8ap2	6.7839	1.40472	-2.27183	6.7849	1.40572	-2.2710183	0.00014629	No
Pgf	0.0077193	0.062551	0.0548317	0.0030913	No	Casp9	3.80306	8.69828	1.19357	3.80406	8.69928	1.193356	0.00014629	No
Pgp	0.22331	0.03072	-0.19259	1.61E-12	No	Cast	24.1481	12.0731	-1.00011	24.1491	12.0741	-1.0000538	0.00710369	No
Phf1	0.76005	0.43868	-0.32137	0.00067482	No	Casz1	0.781638	6.21837	2.99196	0.782638	6.21937	2.99035138	0.00014629	No
Phldb3	0.32343	0.022479	-0.300951	3.08E-05	No	Cat	23.0781	308.027	3.73846	23.0791	308.028	3.73840263	0.00014629	No
Phlpp1	0.65532	0.13151	-0.52381	2.62E-08	No	Catsper4	0	2.74159	inf	0.001	2.74259	11.4213232	0.00014629	No
Phox2a	0.26698	0.062328	-0.204652	2.36E-06	No	Cav1	0.102332	5.61414	5.77773	0.103332	5.61514	5.76396299	0.00184429	No
Pif1	0.0059077	0.35913	0.3532223	2.10E-06	No	Cav2	1.02501	8.12197	2.98619	1.02601	8.12297	2.98496252	0.00014629	No
Pih1d3	0.10468	0.011651	-0.093029	7.96E-06	No	Cbfa2t3	2.2029	0.810247	-1.44297	2.2039	0.811247	-1.4418456	0.00014629	No
Pinlyp	0.91554	0.62837	-0.28717	0.00019529	No	Cbfb	72.7816	10.3768	-2.81022	72.7826	10.3778	-2.810093	0.00014629	No
Pkib	0.10415	0.030832	-0.073318	0.00017692	No	Cbl	19.1064	1.38592	-3.78514	19.1074	1.38692	-3.784175	0.00014629	No
Pkn1	0.17967	0.10375	-0.07592	0.03210797	No	Cblb	30.8258	4.74911	-2.69841	30.8268	4.75011	-2.6981523	0.00014629	No
Pkp3	0.85596	0.013756	-0.842204	1.61E-12	No	Cblc	0	5.60724	inf	0.001	5.60824	12.4533324	0.00014629	No
Pla2g10	0.38855	0.060144	-0.328406	0.00157493	No	Cbll1	18.1534	3.45509	-2.39345	18.1544	3.45609	-2.3931066	0.00014629	No
Pla2g3	0.47155	0.28947	-0.18208	0.01164415	No	CBR1	8.76642	17.1073	0.964549	8.76742	17.1083	0.96447214	0.00586782	No
Plagl1	0.37429	0.10093	-0.27336	1.61E-12	No	Cbr4	2.10295	10.361	2.30067	2.10395	10.362	2.30013016	0.00884407	No
Plaur	0.10629	0.027413	-0.078877	0.00015888	No	Cbs	0.0211215	122.517	12.502	0.0221215	122.518	12.4352569	0.0102511	No
Plcg2	0.0083135	0.11161	0.1032965	0.00500595	No	Cbx1	45.8684	22.8928	-1.0026	45.8694	22.8938	-1.0025751	0.00219102	No
Plek2	0.1053	0.012572	-0.092728	1.64E-06	No	Cbx3	139.67	72.3692	-0.948577	139.671	72.3702	-0.9485648	0.00014629	No
Plip	0.17293	0.031492	-0.141438	0.00076943	No	Cbx4	34.0517	4.47611	-2.92741	34.0527	4.47711	-2.9271295	0.00014629	No
Plod1	0.07239	0.005974	-0.066416	0.00683403	No	Cbx5	12.8745	21.0296	0.707901	12.8755	21.0306	0.70786155	0.0160279	No
Plpp3	0.054337	0.0031626	-0.0511744	2.98E-07	No	Cbx6	2.36381	26.5183	3.4878	2.36481	26.5193	3.48724651	0.00014629	No
Plpp6	0.10185	0.014898	-0.086952	0.00013121	No	Cbx7	44.0162	15.7463	-1.48302	44.0172	15.7473	-1.4829629	0.00014629	No
Plpp7	0.75392	0.27208	-0.48184	3.80E-11	No	CBY1	4.18657	20.9572	2.32361	4.18757	20.9582	2.3233296	0.00014629	No
Plppr2	0.76287	0.56516	-0.19771	0.02450594	No	Cc2d1a	14.7614	143.865	3.28482	14.7624	143.866	3.28472649	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Plppr5	0.065023	0.010773	-0.05425	1.61E-12	No	Cc2d2a	0.0677769	18.2082	8.06958	0.0687769	18.2092	8.04852773	0.00014629	No
Plvap	0.33009	0.096151	-0.233939	1.33E-06	No	Ccar1	29.2658	17.3879	-0.751129	29.2668	17.3889	-0.7510983	0.00014629	No
Plxdc1	0.064116	2.50E-07	-0.0641158	4.97E-05	No	Ccbl2	5.10086	16.9889	1.73578	5.10186	16.9899	1.73558215	0.00053701	No
Plxna2	0.12028	0.043367	-0.076913	0.00035126	No	CCDC101	40.8641	23.491	-0.798724	40.8651	23.492	-0.7986997	0.00102864	No
Plxnb2	0.075987	0.01604	-0.059947	0.00026594	No	Ccdc103	0	1.94356	inf	0.001	1.94456	10.925228	0.00014629	No
Plxnd1	0.24566	0.11239	-0.13327	0.00743291	No	Ccdc104	15.7659	49.8089	1.65959	15.7669	49.8099	1.65953348	0.00014629	No
Pmaip1	0.55135	0.16278	-0.38857	1.61E-12	No	Ccdc107	38.151	24.4148	-0.643967	38.152	24.4158	-0.6439436	0.0241459	No
Pnck	0.71973	0.46525	-0.25448	0.00861735	No	Ccdc108	0	8.84882	inf	0.001	8.84982	13.1114324	0.00513162	No
Pnkp	0.36643	0.052608	-0.313822	0.00043492	No	Ccdc111	2.79246	1.21899	-1.19585	2.79346	1.21999	-1.1951838	0.027611	No
Pnmt	0.19322	0.48187	0.28865	0.00041578	No	Ccdc113	0.629839	36.5652	5.85935	0.630839	36.5662	5.85709504	0.00173187	No
Pnpla1	0.53894	0.11495	-0.42399	3.61E-07	No	CCDC115	60.7155	25.8814	-1.23015	60.7165	25.8824	-1.2301172	0.00014629	No
Pou3f2	0.14123	0.019959	-0.121271	1.65E-12	No	Ccdc12	46.8186	79.2676	0.759649	46.8196	79.2686	0.75963689	0.00102864	No
Pou4f2	0.076297	0.013794	-0.062503	1.61E-12	No	Ccdc124	44.0742	117.21	1.41109	44.0752	117.211	1.41106895	0.00014629	No
Ppara	0.46532	0.056693	-0.408627	3.92E-09	No	Ccdc126	2.06042	7.01543	1.76759	2.06142	7.01643	1.76709869	0.00014629	No
Ppfia2	0.091002	0.011161	-0.079841	0.00011929	No	Ccdc127	2.77855	5.93092	1.09392	2.77955	5.93192	1.09364781	0.0124494	No
Ppfia3	0.12598	0.036787	-0.089193	7.44E-07	No	Ccdc130	12.5245	19.9436	0.671168	12.5255	19.9446	0.67112999	0.0158416	No
Ppm1n	0.072473	0.020617	-0.051856	0.00081137	No	Ccdc137	12.1491	6.4153	-0.921259	12.1501	6.4163	-0.9211547	0.00184429	No
Ppp1r14a	0.76426	0.4305	-0.33376	7.05E-07	No	Ccdc138	0.403796	2.31728	2.52073	0.404796	2.31828	2.51778789	0.0104529	No
Ppp1r14b	0.38214	0.11015	-0.27199	3.61E-07	No	Ccdc15	2.86215	0.105743	-4.75847	2.86315	0.106743	-4.7453899	0.00014629	No
Ppp1r3b	0.081257	0.014129	-0.067128	2.28E-05	No	Ccdc157	0.605253	2.633	2.12109	0.606253	2.634	2.11926346	0.00173187	No
Ppp1r3d	0.37227	0.058473	-0.313797	1.61E-12	No	Ccdc163	2.43899	7.67753	1.65436	2.43999	7.67853	1.65395491	0.00041099	No
Prim2	0.74301	0.55778	-0.18523	0.00028703	No	Ccdc17	19.7624	49.0091	1.31029	19.7634	49.0101	1.31024793	0.00241835	No
Prkag3	0.035604	0.10121	0.065606	0.0027754	No	Ccdc181	5.42091	19.9304	1.87836	5.42191	19.9314	1.87816998	0.00014629	No
Prkcdbp	0.47179	0.24451	-0.22728	2.37E-05	No	Ccdc23	11.9203	20.2871	0.767135	11.9213	20.2881	0.76709219	0.0416357	No
Prkce	0.35778	0.018967	-0.338813	1.65E-10	No	Ccdc27	0.0203412	3.10189	7.2526	0.0213412	3.10289	7.18382744	0.0138196	No
Prlhr	0.095536	0.026152	-0.069384	7.78E-05	No	Ccdc28b	35.9397	18.7565	-0.938186	35.9407	18.7575	-0.9381509	0.00014629	No
Prmt8	0.082044	0.019311	-0.062733	6.00E-09	No	Ccdc30	0.548403	8.2459	3.91037	0.549403	8.2469	3.90791522	0.00014629	No
Proca1	0.10252	0.014052	-0.088468	2.70E-09	No	Ccdc37	0.778147	8.93144	3.52078	0.779147	8.93244	3.51908687	0.00904412	No
Prok2	0.4325	0.1979	-0.2346	0.00546968	No	Ccdc41	15.8415	10.8042	-0.552125	15.8425	10.8052	-0.5520742	0.0291608	No
Prom2	0.49018	0.12833	-0.36185	1.15E-05	No	Ccdc47	42.5682	27.9662	-0.606091	42.5692	27.9672	-0.6060742	0.00138312	No
Proser3	0.10968	0.0051426	-0.1045374	2.69E-06	No	Ccdc51	3.048	10.1875	1.74087	3.049	10.1885	1.74053361	0.00014629	No
Prpf3	0.43296	0.22038	-0.21258	0.00357821	No	Ccdc53	29.7175	69.4778	1.22524	29.7185	69.4788	1.22521154	0.00014629	No
Prpf31	0.51461	0.35257	-0.16204	1.13E-05	No	Ccdc57	1.59081	6.53653	2.03876	1.59181	6.53753	2.03807752	0.0421247	No
Prph	0.077544	0.012638	-0.064906	0.00057442	No	Ccdc6	11.3583	99.8985	3.13671	11.3593	99.8995	3.13660352	0.00014629	No
Prr18	0.12597	0.022187	-0.103783	0.00470016	No	Ccdc62	9.63544	21.1326	1.13305	9.63644	21.1336	1.13296637	0.00066215	No
Prss34	0.70956	0.52995	-0.17961	0.04324438	No	Ccdc64	102.181	20.9954	-2.28298	102.182	20.9964	-2.2829272	0.00014629	No
Prss41	0.74398	0.86842	0.12444	0.00057442	No	Ccdc68	0	8.38789	inf	0.001	8.38889	13.0342642	0.00014629	No
Psapl1	0.75756	0.52745	-0.23011	0.04063154	No	Ccdc69	57.3476	5.69248	-3.3326	57.3486	5.69348	-3.3323756	0.00014629	No
Psd	0.63974	0.44142	-0.19832	0.03210797	No	Ccdc71l	11.9022	2.6263	-2.18012	11.9032	2.6273	-2.1796966	0.00720409	No
Psenen	0.58267	0.34417	-0.2385	0.00110448	No	Ccdc77	3.57534	1.90897	-0.905285	3.57634	1.90997	-0.9049339	0.019026	No
Ptgr1	0.085384	0.025308	-0.060076	0.00143157	No	Ccdc82	34.4965	4.4242	-2.96296	34.4975	4.4252	-2.9626772	0.00014629	No
Pth2	0.15331	0.059086	-0.094224	0.00039347	No	Ccdc86	12.1517	20.865	0.779932	12.1527	20.866	0.77987719	0.00523722	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pth2r	0.098377	0.018322	-0.080055	4.27E-06	No	Ccdc88a	0.263971	1.97086	2.90038	0.264971	1.97186	2.89565075	0.0329554	No
Ptpn14	0.19734	0.037355	-0.159985	3.66E-10	No	Ccdc88b	43.6919	9.3839	-2.21911	43.6929	9.3849	-2.2189856	0.00014629	No
Ptprn	0.084924	0.02671	-0.058214	0.0179568	No	Ccdc88c	33.9141	12.0232	-1.49606	33.9151	12.0242	-1.4959868	0.00014629	No
Ptx3	0.020114	0.082463	0.062349	1.68E-12	No	Ccdc91	15.8713	23.2732	0.552253	15.8723	23.2742	0.55222038	0.0183831	No
Pwvp2b	0.10636	0.28864	0.18228	0.00082506	No	Ccdc92	0.63054	4.7788	2.92199	0.63154	4.7798	2.92000423	0.00014629	No
Rab15	0.11471	0.030992	-0.083718	0.00023889	No	Ccdc94	24.2057	11.1369	-1.12	24.2067	11.1379	-1.1199292	0.00014629	No
Rab24	0.472	0.20718	-0.26482	1.59E-05	No	Ccdc97	113.029	55.2403	-1.03291	113.03	55.2413	-1.0328866	0.00066215	No
Rabep2	0.12293	0.0067231	-0.1162069	2.57E-05	No	Cchcr1	6.64077	30.2615	2.18806	6.64177	30.2625	2.1878915	0.00014629	No
Radil	0.1767	0.050699	-0.126001	0.00293459	No	Ccl21	0	1.16204	inf	0.001	1.16304	10.183685	0.00014629	No
Rasef	0.21183	0.053198	-0.158632	2.69E-06	No	Ccl3	26.8535	93.8814	1.80573	26.8545	93.8824	1.80569086	0.00014629	No
Rasgef1c	0.041766	0.52905	0.487284	3.61E-07	No	Ccl4	5.679	14.8244	1.38427	5.68	14.8254	1.3841082	0.0351683	No
Rasgrp4	0.9152	0.65823	-0.25697	0.00015508	No	Ccl5	252.154	123.535	-1.02939	252.155	123.536	-1.0293793	0.00014629	No
Rasl10b	0.021438	0.2792	0.257762	8.75E-07	No	Ccl6	1.86335	5.6151	1.59141	1.86435	5.6161	1.5908959	0.00502315	No
Rassf1	0.002879	0.076473	0.073594	2.44E-05	No	Ccl9	2.39424	17.0027	2.82813	2.39524	17.0037	2.82760659	0.00014629	No
Rassf4	0.09966	0.0014706	-0.0981894	2.57E-05	No	Ccm2	70.6203	33.8832	-1.05951	70.6213	33.8842	-1.0594907	0.00014629	No
Rax	0.16513	0.033974	-0.131156	4.97E-05	No	Ccnb1ip1	3.12585	0.444258	-2.81478	3.12685	0.445258	-2.8119966	0.019026	No
Rbfox3	0.71367	0.10549	-0.60818	1.17E-11	No	Ccnb2	0.65501	3.5556	2.4405	0.65601	3.5566	2.43870902	0.03862	No
Rbm20	0.12323	0.026996	-0.096234	1.02E-08	No	Ccnc	25.5713	9.474	-1.43248	25.5723	9.475	-1.4323841	0.00459197	No
Rbm46	0.18202	0.055	-0.12702	6.26E-05	No	Ccnd1	0.0688133	47.8645	9.44205	0.0698133	47.8655	9.42126856	0.00066215	No
Rbp3	0.87385	0.7742	-0.09965	0.00861735	No	CCND2	13.0592	1.19408	-3.45109	13.0602	1.19508	-3.4499979	0.00014629	No
Rbpjl	0.074493	0.29319	0.218697	1.46E-05	No	Ccnd3	50.37	25.545	-0.979526	50.371	25.546	-0.979496	0.00053701	No
Rcor2	0.20963	0.070969	-0.138661	2.23E-10	No	Ccng2	27.5131	14.6847	-0.905808	27.5141	14.6857	-0.9057591	0.00014629	No
Reln	0.077523	0.006933	-0.07059	4.10E-07	No	CCNJ	6.54396	1.93451	-1.7582	6.54496	1.93551	-1.7576706	0.00014629	No
Rem1	0.48988	0.11147	-0.37841	2.10E-08	No	Ccnl1	151.659	62.0654	-1.28897	151.66	62.0664	-1.2889563	0.00014629	No
Retn	0.6915	0.32131	-0.37019	5.23E-07	No	Ccnt2	34.2048	6.18149	-2.46817	34.2058	6.18249	-2.4679811	0.00014629	No
RGD1309036	0.71513	0.41188	-0.30325	6.76E-05	No	Ccny	44.7311	26.5275	-0.753787	44.7321	26.5285	-0.7537674	0.00102864	No
RGD1309049	0.95728	0.9062	-0.05108	0.00057442	No	Ccp110	5.95893	2.79175	-1.09389	5.95993	2.79275	-1.093609	0.00285806	No
RGD1560108	0.90524	0.18838	-0.71686	1.61E-12	No	Ccpg1	88.5201	19.4193	-2.18851	88.5211	19.4203	-2.1884559	0.00014629	No
RGD1561149	0.71958	0.029621	-0.689959	3.27E-08	No	Ccpg1os	2.70584	18.382	2.76415	2.70684	18.383	2.76369071	0.00014629	No
RGD1561870	0.53553	0.20219	-0.33334	0.00069112	No	Ccr10	1.63544	7.09733	2.1176	1.63644	7.09833	2.11691894	0.0160279	No
RGD1562114	0.90372	0.13595	-0.76777	1.61E-12	No	Ccr5	3.46299	1.42997	-1.27603	3.46399	1.43097	-1.2754413	0.00126596	No
RGD1562726	0.73442	0.20158	-0.53284	1.61E-12	No	Ccr6	6.92874	0.777303	-3.15605	6.92974	0.778303	-3.1543974	0.0302247	No
RGD1563072	0.15032	0.015533	-0.134787	3.87E-06	No	Ccr7	323.56	1.55432	-7.70161	323.561	1.55532	-7.7006825	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
RGD1563348	0.50038	0.29953	-0.20085	0.00226691	No	Ccr9	15.8753	0.149492	-6.73057	15.8763	0.150492	-6.7210441	0.00149937	No
RGD1564053	0.084821	0.013447	-0.071374	4.05E-07	No	Ccr12	0.625003	3.58385	2.51958	0.626003	3.58485	2.51767128	0.00149937	No
RGD1564482	0.76703	0.14897	-0.61806	1.28E-06	No	Ccsap	11.5468	0.646022	-4.15976	11.5478	0.647022	-4.1576594	0.0122504	No
RGD1566401	0.47982	0.26342	-0.2164	2.43E-07	No	Ccser1	0.277911	1.94122	2.80427	0.278911	1.94222	2.79982989	0.0196905	No
Rgma	0.10114	0.022452	-0.078688	0.0001045	No	Ccser2	6.66458	13.8616	1.05651	6.66558	13.8626	1.05639555	0.00014629	No
Rgn	0.53608	0.053903	-0.482177	1.94E-12	No	Cct2	139.568	74.4356	-0.906906	139.569	74.4366	-0.9068945	0.00014629	No
Rgs20	0.11361	0.015469	-0.098141	7.96E-06	No	Cct4	171.615	94.7489	-0.856994	171.616	94.7499	-0.8569877	0.00014629	No
Rhbd1	0.30232	0.059561	-0.242759	1.39E-08	No	Cct5	224.248	127.126	-0.818841	224.249	127.127	-0.8188311	0.00263402	No
Rhoc	0.64902	0.016006	-0.633014	3.61E-07	No	Cct7	107.634	62.9662	-0.773491	107.635	62.9672	-0.7734749	0.00066215	No
Ric3	0.093565	0.041699	-0.051866	0.01658745	No	Cct8	100.212	68.9184	-0.540102	100.213	68.9194	-0.5400876	0.0211873	No
Rin1	0.50295	0.074654	-0.428296	3.61E-07	No	Cd14	0.387659	7.78913	4.3286	0.388659	7.79013	4.32507057	0.0116551	No
Ripk4	0.12984	0.013739	-0.116101	3.02E-06	No	Cd160	3.49837	0.436684	-3.00202	3.49937	0.437684	-2.9991337	0.0365085	No
Rmrp	0.39019	0.22634	-0.16385	0.00143157	No	Cd164	128.208	81.4196	-0.655034	128.209	81.4206	-0.6550318	0.00114835	No
Rn28s	0.22251	0.30137	0.07886	0.04431681	No	Cd1d1	16.2905	2.91248	-2.48371	16.2915	2.91348	-2.4833041	0.00014629	No
Rn45s	0.29785	0.097628	-0.200222	1.61E-12	No	Cd2	293.085	19.0544	-3.94313	293.086	19.0554	-3.9430523	0.00014629	No
Rn5-8s	0.5816	0.19454	-0.38706	5.62E-06	No	Cd200	3.54406	5.93176	0.74306	3.54506	5.93276	0.74289338	0.034633	No
Rn7sl1	0.51751	0.087484	-0.430026	1.61E-12	No	Cd200r1	7.13864	0.876579	-3.02569	7.13964	0.877579	-3.0242504	0.0402534	No
Rnase17	0.64018	0.29743	-0.34275	0.01008382	No	Cd226	27.3384	0.523944	-5.70537	27.3394	0.524944	-5.7026742	0.00014629	No
Rnf113a2	0.36701	0.076245	-0.290765	1.63E-09	No	Cd24	2.30659	411.948	7.48056	2.30759	411.949	7.47993501	0.00014629	No
Rnf151	0.77451	0.5548	-0.21971	0.02954396	No	Cd244	7.27475	1.45273	-2.32413	7.27575	1.45373	-2.3233366	0.0222129	No
Rnf165	0.11836	0.03362	-0.08474	0.00143157	No	Cd247	274.211	7.50219	-5.19183	274.212	7.50319	-5.1916438	0.00014629	No
Rnf225	0.75081	0.43375	-0.31706	0.00187484	No	Cd27	257.647	7.27548	-5.14621	257.648	7.27648	-5.1460169	0.00014629	No
Robo4	0.95726	0.68413	-0.27313	0.0017172	No	Cd274	21.4472	1.19566	-4.16491	21.4482	1.19666	-4.1637714	0.00014629	No
Rogdi	0.65206	0.22567	-0.42639	8.52E-05	No	Cd28	148.207	2.05752	-6.17056	148.208	2.05852	-6.169872	0.00014629	No
Rom1	0.23274	0.019581	-0.213159	8.75E-07	No	Cd2ap	49.8924	34.7435	-0.522079	49.8934	34.7445	-0.5220644	0.00823262	No
Ropn1	0.79137	0.33136	-0.46001	0.00019529	No	Cd302	0.847653	13.4129	3.98401	0.848653	13.4139	3.98241016	0.00014629	No
Ror2	0.4207	0.18462	-0.23608	3.02E-06	No	Cd320	75.6784	248.884	1.71752	75.6794	248.885	1.71750673	0.00014629	No
Rpl39l	0.76126	0.90881	0.14755	0.01164415	No	Cd36	0.197632	1.34195	2.76344	0.198632	1.34295	2.75723562	0.0452219	No
Rpp25l	0.086305	0.021773	-0.064532	0.03210797	No	Cd3d	690.457	30.0826	-4.52055	690.458	30.0836	-4.5205045	0.00014629	No
Rprm	0.086871	0.019811	-0.06706	0.00039347	No	Cd3e	739.808	24.2325	-4.93214	739.809	24.2335	-4.9320782	0.00014629	No
Rsph6a	0.77755	0.41614	-0.36141	0.00092018	No	Cd3eap	9.39717	38.899	2.04944	9.39817	38.9	2.04931839	0.00014629	No
Rspo2	0.055867	0.0051186	-0.0507484	1.61E-12	No	Cd3g	1102.07	31.6863	-5.12021	1102.071	31.6873	-5.1201686	0.00014629	No
Rspo3	0.088374	0.027628	-0.060746	0.01164415	No	Cd4	134.501	4.69756	-4.83957	134.502	4.69856	-4.8392651	0.00014629	No
RT1-M5	0.081694	0.017998	-0.063696	6.17E-07	No	Cd40	0.934471	5.81668	2.63797	0.935471	5.81768	2.63667911	0.00041099	No
RT1-M6-2	0.79295	0.71545	-0.0775	0.03595682	No	Cd40lg	131.532	2.04587	-6.00655	131.533	2.04687	-6.0058615	0.0100448	No
RT1-T18	0.45732	0.17979	-0.27753	0.00021752	No	Cd44	139.996	11.1734	-3.64724	139.997	11.1744	-3.6471266	0.00014629	No
Rtkn	0.4566	0.08503	-0.37157	3.61E-07	No	Cd47	105.54	17.6853	-2.57717	105.541	17.6863	-2.5770994	0.00014629	No
Rtn4r	0.063976	0.011653	-0.052323	7.96E-06	No	Cd5	14.2659	0.307696	-5.53493	14.2669	0.308696	-5.5303413	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rtn4r1	0.10887	0.027196	-0.081674	0.00014495	No	Cd53	429.335	11.2169	-5.25835	429.336	11.2179	-5.2582326	0.00014629	No
Rxfp3	0.66685	0.42995	-0.2369	0.00210055	No	Cd59	1.61933	108.665	6.06834	1.62033	108.666	6.06746914	0.00014629	No
S100a16	0.58987	0.090296	-0.499574	0.00861735	No	Cd6	127.069	15.3236	-3.05179	127.07	15.3246	-3.0517021	0.00014629	No
S1pr4	0.20637	0.59023	0.38386	6.26E-05	No	Cd63	5.47032	510.318	6.54363	5.47132	510.319	6.54336661	0.00014629	No
Sall3	0.89257	0.57578	-0.31679	4.31E-07	No	Cd68	1.95362	6.44993	1.72314	1.95462	6.45093	1.722619	0.00066215	No
Samd14	0.23012	0.085966	-0.144154	2.47E-05	No	Cd69	142.877	12.5029	-3.51445	142.878	12.5039	-3.5143337	0.00014629	No
Scarf2	0.41201	0.098276	-0.313734	0.00023951	No	Cd74	198.93	278.397	0.484885	198.931	278.398	0.48488073	0.0140162	No
Scn2b	0.23761	0.092451	-0.145159	0.0017172	No	Cd79b	25.5473	3.33791	-2.93615	25.5483	3.33891	-2.9357782	0.00014629	No
Scn4a	0.74478	0.27524	-0.46954	3.31E-09	No	Cd8b	88.0239	3.26839	-4.75124	88.0249	3.26939	-4.7508183	0.00014629	No
Scrt1	0.16032	0.044309	-0.116011	1.60E-05	No	Cd9	20.5401	64.4219	1.64911	20.5411	64.4229	1.64906016	0.00014629	No
Scube3	0.80814	0.453	-0.35514	4.95E-06	No	Cd96	44.9981	2.64641	-4.08775	44.9991	2.64741	-4.0872426	0.00014629	No
Sdr42e1	0.28583	0.1981	-0.08773	0.00293459	No	Cd97	175.144	21.5876	-3.02027	175.145	21.5886	-3.0202082	0.00014629	No
Sds	0.69048	0.52918	-0.1613	0.01079042	No	Cd99	32.392	310.811	3.26233	32.393	310.812	3.26228821	0.00014629	No
Sec1	0.91598	0.83313	-0.08285	0.00259554	No	Cdc14a	8.17876	2.93527	-1.47839	8.17976	2.93627	-1.4780739	0.00014629	No
Selv	0.073133	0.022369	-0.050764	0.00143157	No	Cdc14b	6.4425	14.474	1.16777	6.4435	14.475	1.16764689	0.00330073	No
Sema3e	0.10297	0.013827	-0.089143	1.34E-07	No	Cdc20	0.999346	6.22996	2.64017	1.000346	6.23096	2.63895537	0.00014629	No
Sema5b	0.070764	0.012755	-0.058009	1.15E-05	No	Cdc23	26.8814	13.5125	-0.99231	26.8824	13.5135	-0.9922606	0.00014629	No
Sema6d	0.083144	0.014713	-0.068431	0.00076943	No	Cdc25a	3.45462	6.28696	0.863835	3.45562	6.28796	0.86364746	0.00318982	No
Sez6l	0.2555	0.080289	-0.175211	4.97E-05	No	Cdc25b	111.29	1.72932	-6.00798	111.291	1.73032	-6.0071542	0.00014629	No
Sfrp5	0.083679	0.018217	-0.065462	0.00051431	No	Cdc25c	4.15318	1.49999	-1.46927	4.15418	1.50099	-1.4686494	0.00014629	No
Sftpa1	0.88809	0.41626	-0.47183	2.77E-06	No	Cdc26	25.5169	16.9546	-0.589778	25.5179	16.9556	-0.5897478	0.0133356	No
Sgk2	0.6089	0.050478	-0.558422	1.61E-12	No	Cdc27	9.69035	4.64892	-1.05965	9.69135	4.64992	-1.0594918	0.00014629	No
Sh2d4a	0.099488	0.017744	-0.081744	0.00546968	No	Cdc42	616.808	190.224	-1.69712	616.809	190.225	-1.697117	0.00014629	No
Sh3bp2	0.10072	0.0318	-0.06892	0.00389713	No	Cdc42bpa	0.0851517	14.3789	7.3997	0.0861517	14.3799	7.38295866	0.00041099	No
Shank1	0.080856	0.015387	-0.065469	6.26E-05	No	Cdc42bpb	0.0394516	19.2069	8.92733	0.0404516	19.2079	8.89128732	0.00405996	No
Shc4	0.68447	0.1475	-0.53697	1.00E-06	No	Cdc42bpg	2.5801	12.6595	2.29473	2.5811	12.6605	2.29427644	0.00014629	No
Shcbp1l	0.24031	0.089876	-0.150434	0.00259554	No	Cdc42ep2	0.0918134	21.1647	7.84874	0.0928134	21.1657	7.83317938	0.0195955	No
Shd	0.9133	0.27355	-0.63975	1.75E-12	No	Cdc42ep4	0.320239	4.61828	3.85014	0.321239	4.61928	3.84594904	0.00639443	No
Shisa6	0.088826	0.017303	-0.071523	1.60E-05	No	Cdc42se1	262.953	79.541	-1.72504	262.954	79.542	-1.7250217	0.00014629	No
Shisa7	0.50426	0.098618	-0.405642	1.61E-12	No	Cdc42se2	165.483	22.9759	-2.84849	165.484	22.9769	-2.8484357	0.00014629	No
Shisa8	0.017432	0.0075514	-0.0098806	0.00343039	No	Cdc5l	30.5347	21.5856	-0.500379	30.5357	21.5866	-0.5003609	0.0160279	No
Sim1	0.085069	0.0063395	-0.0787295	1.95E-09	No	Cdc6	0.700566	8.35518	3.57608	0.701566	8.35618	3.57419283	0.00014629	No
Sim2	0.077887	0.026248	-0.051639	0.00935402	No	Cdca3	0.936796	4.3632	2.21958	0.937796	4.3642	2.21837119	0.00138312	No
Sirt4	0.77362	0.12292	-0.6507	3.61E-07	No	Cdca7	4.5565	0.23987	-4.2476	4.5575	0.24087	-4.241916	0.00126596	No
Six2	0.088848	0.012285	-0.076563	2.36E-06	No	Cdca7l	29.8726	3.21408	-3.21634	29.8736	3.21508	-3.2159446	0.00014629	No
Six3	0.074042	0.0061612	-0.0678808	1.83E-06	No	Cdcp1	0	2.30155	inf	0.001	2.30255	11.1690168	0.00014629	No
Six6	0.15762	0.024798	-0.132822	3.91E-05	No	Cdh1	0.097819	21.4822	7.77881	0.098819	21.4832	7.76420473	0.00679736	No
Slc10a4	0.11234	0.02746	-0.08488	0.00039347	No	Cdh11	0	3.47299	inf	0.001	3.47399	11.7623779	0.00014629	No
Slc12a5	0.063973	0.026094	-0.037879	6.30E-06	No	Cdh5	0	3.58346	inf	0.001	3.58446	11.8075401	0.00014629	No
Slc13a5	0.14819	0.068383	-0.079807	0.02834942	No	Cdhr1	0.427771	2.72486	2.67127	0.428771	2.72586	2.66843223	0.00014629	No
Slc15a1	0.12725	0.05083	-0.07642	1.57E-08	No	Cdhr2	0.11956	5.15562	5.43034	0.12056	5.15662	5.41860251	0.00078603	No
Slc16a2	0.12681	0.047763	-0.079047	0.00935402	No	Cdip1	10.349	27.5512	1.41263	10.35	27.5522	1.41253675	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc16a3	0.064854	0.0048439	-0.0600101	1.59E-05	No	Cdk1	1.07798	4.71583	2.12918	1.07898	4.71683	2.12814948	0.00384649	No
Slc17a6	0.08649	0.030091	-0.056399	1.39E-08	No	CDK12	26.2138	7.35565	-1.8334	26.2148	7.35665	-1.8332607	0.00014629	No
Slc18a3	0.12118	0.037059	-0.084121	1.57E-07	No	Cdk13	50.1365	8.01187	-2.64565	50.1375	8.01287	-2.6454991	0.00014629	No
Slc19a3	0.096956	0.0082693	-0.0886867	1.12E-06	No	Cdk17	19.9902	5.8773	-1.76607	19.9912	5.8783	-1.7658942	0.00014629	No
Slc22a17	0.73598	0.23742	-0.49856	2.88E-05	No	Cdk18	0	28.5174	inf	0.001	28.5184	14.7996054	0.00014629	No
Slc22a6	0.69184	0.097827	-0.594013	3.71E-09	No	Cdk19	34.5748	7.58032	-2.18939	34.5758	7.58132	-2.1892417	0.00014629	No
Slc25a34	0.72904	0.17473	-0.55431	1.61E-12	No	Cdk2	26.012	5.25861	-2.30642	26.013	5.25961	-2.3062051	0.00014629	No
Slc27a2	0.47715	0.043529	-0.433621	1.61E-12	No	Cdk20	7.16598	19.6456	1.45497	7.16698	19.6466	1.45484243	0.00014629	No
Slc29a1	0.096609	0.022523	-0.074086	1.35E-09	No	Cdk2ap2	52.4452	130.664	1.31698	52.4462	130.665	1.3169626	0.00014629	No
Slc29a2	0.16929	0.090849	-0.078441	0.04324438	No	Cdk4	48.742	69.8501	0.519098	48.743	69.8511	0.51908779	0.0267812	No
Slc30a3	0.059925	0.21094	0.151015	3.08E-05	No	Cdk5	23.485	37.8668	0.689193	23.486	37.8678	0.68917058	0.0248769	No
Slc35e4	0.066784	0.0026227	-0.0641613	9.50E-05	No	Cdk5rap1	12.9128	58.4228	2.17773	12.9138	58.4238	2.17764261	0.00014629	No
Slc35f1	0.073011	0.011168	-0.061843	7.44E-07	No	Cdk6	8.9148	4.08119	-1.12721	8.9158	4.08219	-1.1270209	0.00659461	No
Slc35g2	0.62995	0.06933	-0.56062	3.87E-06	No	Cdk7	15.7416	24.1384	0.616752	15.7426	24.1394	0.61671599	0.0184724	No
Slc38a4	0.6803	0.51807	-0.16223	0.04431681	No	Cdk9	83.4576	62.8399	-0.409364	83.4586	62.8409	-0.4093569	0.0435806	No
Slc3a1	0.79978	0.11118	-0.6886	3.51E-10	No	Cdkl1	0.0270907	481.754	14.1182	0.0280907	481.755	14.0659194	0.00014629	No
Slc44a4	0.72684	0.32795	-0.39889	0.00051431	No	Cdkn1a	0.209483	5.56548	4.7316	0.210483	5.56648	4.7249897	0.00014629	No
Slc45a1	0.13678	0.054064	-0.082716	0.00259554	No	Cdkn1b	238.829	36.4248	-2.71298	238.83	36.4258	-2.7129515	0.00014629	No
Slc46a2	0.091338	0.026524	-0.064814	5.62E-06	No	Cdkn2aip	17.9654	5.08588	-1.82065	17.9664	5.08688	-1.8204484	0.00014629	No
Slc47a2	0.010987	0.077505	0.066518	0.00015888	No	Cdkn2aipnl	48.6002	32.2263	-0.592724	48.6012	32.2273	-0.5927086	0.00363169	No
Slc4a10	0.67312	0.0098816	-0.6632384	4.44E-05	No	Cdo1	0.202709	15.8968	6.29318	0.203709	15.8978	6.2861736	0.00014629	No
Slc4a2	0.23204	0.0014286	-0.2306114	1.64E-06	No	Cdr2	1.34899	20.9294	3.95558	1.34999	20.9304	3.95457926	0.00014629	No
Slc5a5	0.16095	0.089861	-0.071089	0.04063154	No	Cdr2l	0.13637	1.53486	3.4925	0.13737	1.53586	3.48290784	0.0183831	No
Slc5a7	0.066615	0.013535	-0.05308	1.61E-12	No	Cds2	24.4732	9.49673	-1.3657	24.4742	9.49773	-1.3656071	0.00014629	No
Slc6a15	0.11234	0.012903	-0.099437	1.42E-07	No	Cdv3	53.7712	19.9441	-1.43087	53.7722	19.9451	-1.4308261	0.00014629	No
Slc6a2	0.12624	0.026671	-0.099569	2.57E-05	No	Cdyl	9.57041	3.91047	-1.29124	9.57141	3.91147	-1.2910206	0.00014629	No
Slc6a3	0.24194	0.055731	-0.186209	0.00099362	No	Cdyl2	8.74929	1.31733	-2.73155	8.75029	1.31833	-2.7306193	0.00184429	No
Slc6a5	0.096743	0.02737	-0.069373	0.01439246	No	Ceacam1	1.10336	3.7525	1.76595	1.10436	3.7535	1.76502594	0.00014629	No
Slc6a7	0.30374	0.039062	-0.264678	0.00057442	No	Ceacam18	2.32592	10.1033	2.11895	2.32692	10.1043	2.11847586	0.00014629	No
Slc7a10	0.072719	0.016506	-0.056213	3.91E-05	No	Cebpz	36.4049	15.27	-1.25344	36.4059	15.271	-1.2533777	0.00014629	No
Slc7a14	0.14381	0.036184	-0.107626	4.05E-07	No	Celf1	41.6468	21.874	-0.928986	41.6478	21.875	-0.9289573	0.004167	No
Slco2a1	0.10362	0.011182	-0.092438	6.76E-05	No	Celf2	60.7892	3.85733	-3.97814	60.7902	3.85833	-3.9777903	0.00014629	No
Slit1	0.088873	0.025061	-0.063812	0.00082506	No	Cenpb	27.2458	42.0877	0.627363	27.2468	42.0887	0.62734615	0.0265045	No
Slit2	0.098609	2.50E-07	-0.0986088	3.61E-07	No	Cenpc	8.74919	2.76076	-1.66408	8.75019	2.76176	-1.6637264	0.00014629	No
Smad3	0.60744	0.15667	-0.45077	1.83E-06	No	Cenpn	3.31838	12.0179	1.85664	3.31938	12.0189	1.85631916	0.00041099	No
Smim17	0.12464	0.06281	-0.06183	0.04431681	No	Cenpo	5.79741	1.76118	-1.71887	5.79841	1.76218	-1.7182961	0.0191214	No
Smo	0.096166	0.04245	-0.053716	0.01039117	No	Cenpp	1.4733	51.8677	5.13771	1.4743	51.8687	5.13676218	0.00014629	No
Smoc2	0.10931	0.03341	-0.0759	6.76E-05	No	Cenpv	6.52677	22.212	1.7669	6.52777	22.213	1.76674212	0.00090728	No
Smpd3	0.098759	0.028838	-0.069921	1.85E-05	No	Cep104	4.99136	12.4005	1.31289	4.99236	12.4015	1.31272075	0.00014629	No
Smug1	0.90723	0.41002	-0.49721	3.61E-07	No	Cep120	18.2979	6.6656	-1.45687	18.2989	6.6666	-1.4567339	0.00014629	No
Snai1	0.69783	0.26428	-0.43355	6.96E-06	No	Cep135	2.89897	0.50839	-2.51153	2.89997	0.50939	-2.5091954	0.00014629	No
Snhg11	0.089792	0.021578	-0.068214	4.65E-06	No	Cep164	8.17624	4.46339	-0.873296	8.17724	4.46439	-0.8731509	0.00041099	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Snrpc	0.92018	0.30594	-0.61424	5.23E-07	No	CEP170	7.25352	1.02881	-2.81771	7.25452	1.02981	-2.816502	0.00014629	No
Snrpn	0.397	0.31507	-0.08193	0.03460571	No	Cep170b	2.62694	17.0903	2.70172	2.62794	17.0913	2.70125789	0.00014629	No
Sntg2	0.061365	0.0061344	-0.0552306	9.22E-07	No	Cep19	9.31915	27.8982	1.5819	9.32015	27.8992	1.58179867	0.00014629	No
Snx22	0.18058	0.060319	-0.120261	0.00134669	No	Cep350	12.6554	3.4901	-1.85841	12.6564	3.4911	-1.8581135	0.00014629	No
Soat2	0.78928	0.4047	-0.38458	0.00014495	No	Cep41	9.65532	1.09279	-3.14331	9.65632	1.09379	-3.1421377	0.00014629	No
Sorcs3	0.095284	0.014454	-0.08083	3.66E-10	No	Cep44	8.95356	4.91646	-0.864843	8.95456	4.91746	-0.8647092	0.0334697	No
Sox10	0.85235	0.64588	-0.20647	0.00051431	No	Cep70	2.06061	13.4468	2.70612	2.06161	13.4478	2.70552683	0.00028114	No
Sox14	0.078857	0.017058	-0.061799	3.29E-06	No	Cep78	6.20367	11.1423	0.844848	6.20467	11.1433	0.84475015	0.0214664	No
Sox15	0.83627	0.19768	-0.63859	3.61E-07	No	Cep85	16.9868	7.78936	-1.12483	16.9878	7.79036	-1.1247371	0.00014629	No
Sox2	0.10385	0.046303	-0.057547	0.00935402	No	Cep85l	5.02178	0.874626	-2.52146	5.02278	0.875626	-2.5200994	0.00014629	No
Spaca1	0.91372	0.76347	-0.15025	0.00343039	No	Cep89	3.53999	13.2893	1.90845	3.54099	13.2903	1.908149	0.00014629	No
Spag4	0.3375	0.044825	-0.292675	3.41E-06	No	Cep97	12.2555	2.11548	-2.53438	12.2565	2.11648	-2.5338083	0.00014629	No
Spag8	0.68606	0.30864	-0.37742	0.00639124	No	Cerk	41.0541	3.17045	-3.69477	41.0551	3.17145	-3.6943469	0.00014629	No
Sparcl1	0.51006	0.12736	-0.3827	3.91E-05	No	Cers2	29.03	53.8034	0.890151	29.031	53.8044	0.89012989	0.00405996	No
Spata1	0.20919	0.030233	-0.178957	3.61E-07	No	Cers5	38.5305	10.6522	-1.85485	38.5315	10.6532	-1.8547515	0.00014629	No
Spata3	0.29003	0.16909	-0.12094	0.00470016	No	Ces1d	0	25.5568	inf	0.001	25.5578	14.641476	0.00014629	No
Spata32	0.28678	0.063003	-0.223777	1.47E-10	No	Ces1e	0	17.416	inf	0.001	17.417	14.0882085	0.00014629	No
Spock3	0.10075	0.01401	-0.08674	2.96E-12	No	CES2C	0	4.894	inf	0.001	4.895	12.2570931	0.0494924	No
Sppl2c	0.78961	0.86166	0.07205	0.02065846	No	Ces2g	0	14.5007	inf	0.001	14.5017	13.8239344	0.00014629	No
Sprn	0.41818	0.032119	-0.386061	7.44E-07	No	CES2H	0	16.0315	inf	0.001	16.0325	13.9687118	0.00014629	No
Spryd4	0.16867	0.078704	-0.089966	0.00226691	No	Ces4a	0	1.35389	inf	0.001	1.35489	10.40396	0.00014629	No
Spx	0.15577	0.044409	-0.111361	1.44E-06	No	Cesl1	0.00722008	168.962	14.5143	0.00822008	168.963	14.3271954	0.00480938	No
Srek1ip1	0.5082	0.28903	-0.21917	3.61E-07	No	Cfdp1	64.8168	116.207	0.842251	64.8178	116.208	0.84224743	0.0130449	No
Srgap1	0.072609	0.012941	-0.059668	0.00210055	No	Cfh	0.108389	2.0281	4.22584	0.109389	2.0291	4.21330039	0.00173187	No
Srms	0.074909	0.023866	-0.051043	0.00226691	No	Cfl1	1460.22	619.133	-1.23787	1460.221	619.134	-1.2378631	0.00014629	No
Srp19	0.11767	0.05314	-0.06453	0.01247474	No	Cfl2	3.6494	25.0446	2.77877	3.6504	25.0456	2.77843071	0.00014629	No
Sstr1	0.13541	0.059748	-0.075662	3.41E-06	No	Cfp	4.50962	35.2878	2.96809	4.51062	35.2888	2.96781272	0.00014629	No
Sstr4	0.21848	0.087564	-0.130916	0.00803385	No	Cggbp1	51.746	10.8453	-2.25438	51.747	10.8463	-2.2542722	0.00014629	No
Sstr5	0.12432	0.016352	-0.107968	0.00019529	No	Cgn	0.0365605	11.5458	8.30287	0.0375605	11.5468	8.26406111	0.00395247	No
St6gal2	0.067342	0.010164	-0.057178	3.84E-08	No	Cgnl1	55.0028	134.588	1.29098	55.0038	134.589	1.29095731	0.00014629	No
St8sia2	0.076088	0.013056	-0.063032	8.95E-06	No	Cgrrf1	13.1014	25.5483	0.963511	13.1024	25.5493	0.96345267	0.00053701	No
St8sia3	0.15912	0.024455	-0.134665	5.48E-05	No	Chac1	0.167764	1.95454	3.54233	0.168764	1.95554	3.53448795	0.00679736	No
Steap4	0.097693	0.022991	-0.074702	2.08E-10	No	Chadl	0.0696179	1.35789	4.28576	0.0706179	1.35889	4.26625095	0.0256152	No
Stoml3	0.73419	0.3157	-0.41849	0.00226691	No	Chchd1	56.4752	92.593	0.713286	56.4762	92.594	0.71327569	0.00318982	No
Stx2	0.067353	0.010543	-0.05681	1.02E-05	No	Chchd10	41.9255	1203	4.84266	41.9265	1203.001	4.84263163	0.00014629	No
Stxbp5l	0.099154	0.021271	-0.077883	0.00143157	No	Chchd4	6.76876	20.8567	1.62355	6.76976	20.8577	1.62340349	0.00014629	No
Sv2c	0.059761	0.0041016	-0.0556594	1.17E-06	No	Chchd6	6.27468	13.1681	1.06944	6.27568	13.1691	1.06931306	0.00448672	No
Syce2	0.49209	0.16431	-0.32778	4.87E-12	No	Chd1	51.4243	7.03041	-2.87077	51.4253	7.03141	-2.8705924	0.00014629	No
Sycp1	0.84475	0.69736	-0.14739	0.00157493	No	Chd1l	15.3728	117.351	2.93238	15.3738	117.352	2.93229672	0.00014629	No
Syk	0.11679	0.61502	0.49823	2.96E-12	No	Chd2	241.328	46.9371	-2.3622	241.329	46.9381	-2.3621699	0.00014629	No
Sync	0.2565	0.094332	-0.162168	0.002433	No	Chd3	193.752	22.5986	-3.0999	193.753	22.5996	-3.0998495	0.00014629	No
Synm	0.08816	0.013206	-0.074954	1.44E-06	No	Chd4	81.5735	45.2419	-0.850441	81.5745	45.2429	-0.8504268	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Syp	0.10104	0.03028	-0.07076	0.01520153	No	Chd6	23.149	6.93956	-1.73803	23.15	6.94056	-1.7378882	0.00014629	No
Syp12	0.11646	0.014661	-0.101799	0.00014495	No	Chd7	7.85923	2.24752	-1.80606	7.86023	2.24852	-1.8055958	0.00014629	No
Syt1	0.10575	0.031163	-0.074587	1.57E-07	No	Chd8	38.8692	13.9662	-1.47669	38.8702	13.9672	-1.4766217	0.00014629	No
Syt6	0.11752	0.038098	-0.079422	0.03210797	No	Chd9	2.26845	0.581314	-1.96431	2.26945	0.582314	-1.9624735	0.00984666	No
Syt13	0.80628	0.29972	-0.50656	2.34E-12	No	Chek1	3.91646	0.746206	-2.3919	3.91746	0.747206	-2.3903406	0.00173187	No
T	0.14015	0.021619	-0.118531	6.57E-07	No	Chek2	3.88676	1.58548	-1.29365	3.88776	1.58648	-1.2931098	0.00384649	No
Tac1	0.3679	0.23099	-0.13691	0.00470016	No	Chfr	21.7653	5.85921	-1.89325	21.7663	5.86021	-1.8930719	0.00114835	No
Tacr3	0.21911	0.10848	-0.11063	0.00033082	No	Chic2	62.2306	14.586	-2.09304	62.2316	14.587	-2.0929641	0.00014629	No
Tal1	0.22254	0.061751	-0.160789	1.82E-05	No	Chka	7.6036	31.0608	2.03034	7.6046	31.0618	2.03019717	0.00014629	No
Tapbp	0.75885	0.10279	-0.65606	1.61E-12	No	Chkb	42.5988	99.7172	1.22703	42.5998	99.7182	1.22701018	0.00014629	No
Tbc1d10b	0.23245	0.34864	0.11619	0.0179568	No	Chm	17.7805	4.29819	-2.04849	17.7815	4.29919	-2.0482403	0.00014629	No
Tbcb	0.28392	0.14801	-0.13591	0.02194182	No	Chmp2a	121.175	317.494	1.38964	121.176	317.495	1.38962988	0.00014629	No
Tbx1	0.074462	0.2535	0.179038	0.00035126	No	Chmp2b	7.98398	19.8034	1.31057	7.98498	19.8044	1.31046029	0.00014629	No
Tbx18	0.11678	0.048936	-0.067844	0.00389713	No	Chmp3	79.7172	147.713	0.889839	79.7182	147.714	0.88982553	0.00014629	No
Tbx2	0.076922	0.020928	-0.055994	0.00023889	No	Chmp5	23.4521	71.1842	1.60184	23.4531	71.1852	1.6017987	0.00014629	No
Tbx5	0.32636	0.062143	-0.264217	4.05E-07	No	Chmp6	12.947	19.2799	0.574478	12.948	19.2809	0.57444313	0.02588	No
Tbx6	0.40586	0.082205	-0.323655	5.58E-08	No	Chn2	5.47587	14.757	1.43024	5.47687	14.758	1.43007368	0.00014629	No
Tcerg1l	0.098916	0.018812	-0.080104	2.10E-06	No	Chordc1	33.1431	16.1772	-1.03475	33.1441	16.1782	-1.034701	0.00014629	No
Tcf19	0.69908	0.43912	-0.25996	0.01093755	No	Chp1	23.2332	56.8107	1.28997	23.2342	56.8117	1.2899381	0.00014629	No
Tdh	0.083942	0.02633	-0.057612	7.03E-05	No	Chpt1	1.55939	55.8749	5.16315	1.56039	55.8759	5.1622476	0.00014629	No
Tdrd5	0.6013	0.090237	-0.511063	4.05E-07	No	Chrm3	0	1.3611	inf	0.001	1.3621	10.4116169	0.00014629	No
Tdrd6	0.52689	0.32305	-0.20384	0.004217	No	Chrnb1	0.186455	3.18319	4.09357	0.187455	3.18419	4.08631021	0.00263402	No
Tead2	0.074214	0.017698	-0.056516	0.02194182	No	Chst1	0.957539	1.95107	1.02686	0.958539	1.95207	1.02609575	0.0399122	No
Tekt4	0.51256	0.092753	-0.419807	2.94E-08	No	Chst11	9.27388	4.13161	-1.16647	9.27488	4.13261	-1.1662754	0.00586782	No
Tescl	0.55495	0.40057	-0.15438	0.00683403	No	Chst15	5.1576	1.16382	-2.14783	5.1586	1.16482	-2.1468726	0.00014629	No
Tfap2c	0.15254	0.019582	-0.132958	0.00157493	No	Chst2	3.00901	6.70964	1.15694	3.01001	6.71064	1.15668208	0.00241835	No
Tfap2e	0.11731	0.030789	-0.086521	0.00033082	No	Chst9	0	13.7511	inf	0.001	13.7521	13.7473643	0.00014629	No
Tgfb1i1	0.22632	0.091122	-0.135198	1.31E-05	No	Chsy1	9.52642	1.32251	-2.84865	9.52742	1.32351	-2.8477165	0.00014629	No
Tgfb3	0.65404	0.34758	-0.30646	0.01079042	No	Chtf8	48.7282	28.4768	-0.77497	48.7292	28.4778	-0.7749488	0.0293375	No
Thegl	0.89159	0.45126	-0.44033	0.0001045	No	Churc1	119.092	236.238	0.988164	119.093	236.239	0.98815854	0.00014629	No
Thpo	0.47832	0.19658	-0.28174	0.00039347	No	Ciapin1	15.2399	69.0507	2.1798	15.2409	69.0517	2.17972883	0.00014629	No
Tifab	0.80956	0.67432	-0.13524	0.04063154	No	Cib1	99.3867	193.071	0.958007	99.3877	193.072	0.95799973	0.00014629	No
Tle1	0.071306	0	-0.071306	0.00092018	No	Cic	38.9153	17.8334	-1.12576	38.9163	17.8344	-1.1257119	0.0140162	No
Tlx1	0.075557	0.031443	-0.044114	0.00517217	No	Cideb	0.397485	22.9138	5.84917	0.398485	22.9148	5.84561047	0.00448672	No
Tm6sf2	0.74173	0.021395	-0.720335	2.62E-08	No	Ciita	1.09939	0.467336	-1.23417	1.10039	0.468336	-1.2323991	0.0496631	No
Tmcc2	0.6275	0.21468	-0.41282	4.97E-05	No	Cir1	62.2391	19.9542	-1.64113	62.2401	19.9552	-1.6410796	0.00014629	No
Tmem114	0.1909	0.016625	-0.174275	3.08E-05	No	Cirh1a	41.4685	20.0875	-1.04572	41.4695	20.0885	-1.0456808	0.00138312	No
Tmem119	0.86545	0.37952	-0.48593	1.27E-05	No	Cisd1	71.9235	502.282	2.80396	71.9245	502.283	2.80394526	0.00014629	No
Tmem132d	0.10515	0.02633	-0.07882	0.00546968	No	Cisd3	24.8768	169.548	2.76882	24.8778	169.549	2.76877146	0.00014629	No
Tmem132e	0.080602	0.025257	-0.055345	0.00187484	No	Cish	10.8018	32.8862	1.60621	10.8028	32.8872	1.60612089	0.00014629	No
Tmem151b	0.64337	0.18907	-0.4543	1.69E-12	No	Cited1	0	5.46714	inf	0.001	5.46814	12.4168345	0.00014629	No
Tmem178a	0.34258	0.03943	-0.30315	2.66E-10	No	Cited2	47.3585	75.3942	0.67083	47.3595	75.3952	0.67081883	0.00114835	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tmem200a	0.088171	0.024277	-0.063894	1.71E-07	No	Ciz1	22.6257	58.4951	1.37035	22.6267	58.4961	1.37031425	0.00184429	No
Tmem229a	0.1954	0.058185	-0.137215	0.00063283	No	Ckap2	2.29667	0.90343	-1.34606	2.29767	0.90443	-1.3450909	0.0132409	No
Tmem230	0.067793	0.017204	-0.050589	0.00683403	No	Cklf	21.3874	4.22329	-2.34032	21.3884	4.22429	-2.3400478	0.00263402	No
Tmem88	0.89618	0.26465	-0.63153	1.61E-12	No	Cks2	2.94523	15.5214	2.39781	2.94623	15.5224	2.39740967	0.00066215	No
Tnf	0.74301	0.64217	-0.10084	0.02954396	No	CLASP1	13.5422	6.10669	-1.149	13.5432	6.10769	-1.1488699	0.00014629	No
Tnfrsf10b	0.07626	0.026105	-0.050155	7.58E-05	No	Clasp2	11.3344	5.94086	-0.931968	11.3354	5.94186	-0.9318488	0.00014629	No
Tnfrsf12a	0.15725	0.021233	-0.136017	4.97E-05	No	Clasrp	65.1131	99.8817	0.617272	65.1141	99.8827	0.61726484	0.00296747	No
Tnfrsf25	0.0053553	0.15668	0.1513247	2.05E-05	No	Clca2	0	1.18212	inf	0.001	1.18312	10.2083807	0.00014629	No
Tnfsf8	0.0071308	0.33786	0.3307292	1.46E-05	No	Clcn4	0.455869	3.55634	2.9637	0.456869	3.55734	2.96094641	0.00014629	No
Tnnc2	0.12711	0.011709	-0.115401	8.61E-10	No	Clcn6	12.779	23.6435	0.887673	12.78	23.6445	0.8876168	0.00014629	No
Tor1a	0.3562	0.069832	-0.286368	3.29E-06	No	Clcn7	21.2397	29.3771	0.467925	21.2407	29.3781	0.46790978	0.0381731	No
Tppp3	0.22599	0.072221	-0.153769	8.52E-05	No	Clcnka	0	6.74818	inf	0.001	6.74918	12.7204965	0.00014629	No
Tradd	0.48552	0.088179	-0.397341	1.61E-12	No	Clcnkb	0.174658	319.839	10.8386	0.175658	319.84	10.8303654	0.00014629	No
Tram1l1	0.078858	0.016598	-0.06226	0.00081137	No	Cldn10	2.52577	147.204	5.86495	2.52677	147.205	5.86438852	0.00014629	No
Trank1	0.26957	0.040194	-0.229376	0.00017692	No	Cldn16	0	31.883	inf	0.001	31.884	14.960545	0.00014629	No
Trim15	0.093315	0.028647	-0.064668	6.26E-05	No	Cldn17	0	19.0621	inf	0.001	19.0631	14.2184951	0.00014629	No
Trim36	0.11932	0.031861	-0.087459	2.48E-06	No	Cldn19	0	48.734	inf	0.001	48.735	15.5726706	0.00014629	No
Trim6	0.8595	0.21827	-0.64123	2.53E-08	No	Cldn2	0.0153654	143.914	13.1932	0.0163654	143.915	13.1022805	0.00014629	No
Trim63	0.85184	0.21053	-0.64131	1.86E-12	No	Cldn6	0.233631	1.46736	2.65091	0.234631	1.46836	2.64574018	0.00792329	No
Trip6	0.7033	0.04923	-0.65407	1.61E-12	No	Cldnd1	37.3855	16.1867	-1.20767	37.3865	16.1877	-1.2076194	0.00014629	No
Trmt61a	0.67152	0.44415	-0.22737	0.01658745	No	Clec10a	0.275615	1.81364	2.71817	0.276615	1.81464	2.71373207	0.0176431	No
Trpm2	0.64748	0.39167	-0.25581	0.01658745	No	Clec16a	4.64228	8.92977	0.943788	4.64328	8.93077	0.94364029	0.00053701	No
Tshz3	0.058687	0.0073458	-0.0513412	0.00110448	No	Clec1b	2.46368	0.723532	-1.76769	2.46468	0.724532	-1.766279	0.0139199	No
Tsku	0.31014	0.043872	-0.266268	2.98E-07	No	Clec2d2	33.6474	0.670757	-5.64856	33.6484	0.671757	-5.6464546	0.00014629	No
Tspan11	0.15639	0.032123	-0.124267	0.00226691	No	Clec2g	82.4849	14.9713	-2.46193	82.4859	14.9723	-2.4618517	0.00014629	No
Tspy26	0.00091036	0.072712	0.07180164	0.00021752	No	Clec4a1	0.789354	3.40988	2.11098	0.790354	3.41088	2.10957311	0.00149937	No
Tssk3	0.68825	0.13011	-0.55814	1.61E-12	No	Clec7a	0.372145	1.10516	1.57031	0.373145	1.10616	1.56775182	0.0301422	No
Tst	0.68696	0.10083	-0.58613	1.61E-12	No	Clic2	0.642947	12.4752	4.27822	0.643947	12.4762	4.27609282	0.00066215	No
Ttc12	0.088965	0.036811	-0.052154	0.02592069	No	Clic4	7.01113	136.791	4.28618	7.01213	136.792	4.28598731	0.00014629	No
Tubb2b	0.021521	0.0875	0.065979	0.04063154	No	CLIC5	1.46962	3.67242	1.32129	1.47062	3.67342	1.32069935	0.00184429	No
Tubg2	0.10588	0.019564	-0.086316	1.61E-12	No	Clip1	12.9897	7.48898	-0.794523	12.9907	7.48998	-0.7944454	0.00014629	No
Tug1	0.22208	0.060643	-0.161437	8.15E-11	No	Clip2	3.3665	7.40735	1.13771	3.3675	7.40835	1.13747431	0.00014629	No
Ubb	0.12969	0.049066	-0.080624	0.02194182	No	Clk1	177.861	119.379	-0.575201	177.862	119.38	-0.5751972	0.00544794	No
Ube2q11	0.10599	0.02156	-0.08443	0.00593418	No	Clk2	75.4376	48.9033	-0.625352	75.4386	48.9043	-0.6253416	0.00330073	No
Ubfd1	0.30937	0.044429	-0.264941	1.09E-10	No	Clk3	65.4695	108.827	0.733147	65.4705	108.828	0.73313289	0.00173187	No
Ubxn10	0.0075458	0.55487	0.5473242	1.30E-08	No	Clmn	0	16.1784	inf	0.001	16.1794	13.9818705	0.00014629	No
Ucn	0.26581	0.063673	-0.202137	4.44E-05	No	Cln3	12.692	20.4629	0.689085	12.693	20.4639	0.68904803	0.0134314	No
Uhmk1	0.34158	0.57242	0.23084	0.00226691	No	Cln5	0.959922	3.59311	1.90424	0.960922	3.59411	1.90314333	0.004167	No
Unc5c	0.065398	0.011055	-0.054343	0.00076943	No	Clns1a	69.3989	39.1273	-0.826736	69.3999	39.1283	-0.8267212	0.00014629	No
Unc5d	0.10709	0.028219	-0.078871	3.23E-10	No	Clp1	10.83	5.8588	-0.88635	10.831	5.8598	-0.8862431	0.0118533	No
Uncx	0.087243	0.027522	-0.059721	0.00047568	No	Clpb	6.93831	37.415	2.43096	6.93931	37.416	2.43079121	0.00014629	No
Usp46	0.66931	0.21588	-0.45343	1.27E-05	No	Clpp	46.9282	75.3249	0.682672	46.9292	75.3259	0.68266014	0.00230432	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Utf1	0.11655	0.024776	-0.091774	7.78E-05	No	Clpx	18.7638	60.1816	1.68137	18.7648	60.1826	1.68131752	0.00014629	No
Utp15	0.12732	0.034919	-0.092401	4.90E-11	No	Clrn3	0	5.13778	inf	0.001	5.13878	12.3272102	0.00014629	No
Vax1	0.15719	0.049634	-0.107556	0.00035126	No	Clstn3	1.09991	0	-inf	1.10091	0.001	-10.104481	0.00014629	No
Vgf	0.096322	0.0067982	-0.0895238	0.00023951	No	Clta	153.139	306.959	1.0032	153.14	306.96	1.00319951	0.00014629	No
Vipr1	0.064566	0.0097938	-0.0547722	0.00154772	No	Cltb	18.6113	69.3402	1.89751	18.6123	69.3412	1.89745646	0.00014629	No
Vldlr	0.071692	0.48142	0.409728	4.27E-06	No	Cltc	24.6513	90.6849	1.8792	24.6523	90.6859	1.879156	0.00014629	No
Vom2r26	0.87191	0.79077	-0.08114	0.00563666	No	Clu	1.7056	164.335	6.59022	1.7066	164.336	6.58937979	0.00014629	No
Vom2r65	0.8669	0.73722	-0.12968	0.03460571	No	Cluh	12.9901	101.286	2.96295	12.9911	101.287	2.96285352	0.00014629	No
Vpreb1	0.9789	0.8435	-0.1354	0.02194182	No	Clvs1	0.219041	1.15668	2.40072	0.220041	1.15768	2.39539226	0.0227639	No
Vpreb2	0.84192	0.73322	-0.1087	0.02065846	No	Clybl	0.112536	51.3086	8.83267	0.113536	51.3096	8.81993515	0.0146937	No
Vsir	0.00091157	0.084076	0.08316443	0.00759103	No	Cmah	76.8841	7.25342	-3.40595	76.8851	7.25442	-3.4057719	0.00014629	No
Vsx2	0.22896	0.077752	-0.151208	2.05E-05	No	Cmas	33.6228	22.4106	-0.585258	33.6238	22.4116	-0.5852371	0.0126456	No
Vwc2	0.15231	0.023367	-0.128943	4.94E-10	No	CMC2	19.2675	76.9042	1.99689	19.2685	76.9052	1.99683688	0.00014629	No
Vwc2l	0.17963	0.050469	-0.129161	5.48E-05	No	Cml1	0.206461	10.7806	5.70642	0.207461	10.7816	5.69958733	0.00944816	No
Wbscr17	0.25322	0.068124	-0.185096	0.00028703	No	Cmpk1	72.9194	99.6108	0.45	72.9204	99.6118	0.44999418	0.0253385	No
Wfdc15b	0.93583	0.86586	-0.06997	0.00500595	No	Cmpk2	5.80775	2.64768	-1.13325	5.80875	2.64868	-1.1329542	0.00053701	No
Wnk2	0.23526	0.056802	-0.178458	1.65E-10	No	Cmtm3	15.5324	2.36104	-2.71778	15.5334	2.36204	-2.7172683	0.00014629	No
Wnt1	0.15496	0.024386	-0.130574	0.00021752	No	Cmtm6	44.7377	22.1406	-1.0148	44.7387	22.1416	-1.0147639	0.00014629	No
Wnt10a	0.3824	0.1382	-0.2442	0.00028703	No	Cmtm7	93.7237	27.6399	-1.76166	93.7247	27.6409	-1.7616247	0.00014629	No
Wnt10b	0.060258	0.010245	-0.050013	1.51E-09	No	Cmtr2	5.0829	1.76115	-1.52913	5.0839	1.76215	-1.5285989	0.00014629	No
Wnt3a	0.2403	0.16395	-0.07635	0.04666269	No	Cnbp	415.294	194.106	-1.09728	415.295	194.107	-1.0972844	0.00014629	No
Wnt5b	0.17092	0.083024	-0.087896	1.49E-05	No	Cndp1	0	9.00924	inf	0.001	9.01024	13.1373498	0.00014629	No
Wnt6	0.086486	0.0221	-0.064386	4.73E-05	No	Cnih1	46.5096	31.5035	-0.562019	46.5106	31.5045	-0.5620016	0.00944816	No
Wnt8a	0.48349	0.13622	-0.34727	4.97E-05	No	Cnih4	41.2412	17.2133	-1.26056	41.2422	17.2143	-1.2605138	0.00014629	No
Wnt9b	0.079419	0.012084	-0.067335	0.00021752	No	Cnksr3	5.39609	11.2767	1.06336	5.39709	11.2777	1.06321922	0.00053701	No
Ydjc	0.078809	0.27864	0.199831	0.00014495	No	Cnn3	27.92	163.77	2.5523	27.921	163.771	2.55225739	0.00014629	No
Zbtb24	0.76438	0.17125	-0.59313	1.00E-06	No	Cnm4	5.94611	9.37387	0.656697	5.94711	9.37487	0.65660992	0.0240648	No
Zbtb7b	0.80334	0.88113	0.07779	0.01240395	No	Cnot2	59.9643	32.8414	-0.868589	59.9653	32.8424	-0.8685683	0.00014629	No
Zcrb1	0.12284	0.030955	-0.091885	0.00047568	No	Cnot3	30.1781	11.6491	-1.37328	30.1791	11.6501	-1.3732074	0.00014629	No
Zdhhc19	0.57493	0.16264	-0.41229	1.83E-06	No	Cnot4	17.7002	5.49888	-1.68656	17.7012	5.49988	-1.6863751	0.00014629	No
Zfp37	0.37406	0.040717	-0.333343	4.27E-06	No	Cnot6l	30.3916	5.34787	-2.50664	30.3926	5.34887	-2.5064141	0.00014629	No
Zfp57	0.13589	0.074797	-0.061093	0.04666269	No	Cnot7	44.0362	20.6757	-1.09075	44.0372	20.6767	-1.0907168	0.00014629	No
Zfp575	0.92751	0.70618	-0.22133	0.00021752	No	Cnot8	35.4115	22.5502	-0.651076	35.4125	22.5512	-0.6510545	0.0121484	No
Zfp622	0.27115	0.00049505	-0.270655	3.61E-07	No	Cnp	119.553	8.25699	-3.85589	119.554	8.25799	-3.8557279	0.00014629	No
Zfp641	0.058997	0.008185	-0.050812	0.00069112	No	Cnppd1	125.879	37.5901	-1.74361	125.88	37.5911	-1.743586	0.00014629	No
Zfp772	0.77903	0.60577	-0.17326	0.01344183	No	Cnpy1	0	15.5297	inf	0.001	15.5307	13.9228352	0.00014629	No
Zfp93	0.10762	0.036328	-0.071292	0.00051431	No	Cnpy2	82.3624	130.656	0.665718	82.3634	130.657	0.66570913	0.00184429	No
Zfp949	0.079537	0.0085019	-0.0710351	0.00043492	No	Cnpy4	13.7631	6.60624	-1.05891	13.7641	6.60724	-1.0587906	0.00053701	No
Zic1	0.091028	0.032894	-0.058134	0.00019529	No	Cnst	16.8129	8.87412	-0.921892	16.8139	8.87512	-0.9218159	0.00629035	No
Zic3	0.065794	0.0076131	-0.0581809	2.01E-08	No	Cntf	38.1489	74.4327	0.964296	38.1499	74.4337	0.96427668	0.00014629	No
Zic4	0.16356	0.061616	-0.101944	0.00389713	No	Cntnap1	1.88573	26.8068	3.8294	1.88673	26.8078	3.82869294	0.00014629	No
Zic5	0.081986	0.028373	-0.053613	0.00051431	No	Cntnap4	0	1.1422	inf	0.001	1.1432	10.1588621	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Znrf4	0.51037	0.22996	-0.28041	5.26E-08	No	Cntrl	26.7136	5.02284	-2.411	26.7146	5.02384	-2.410766	0.00014629	No
Zranb2	0.32269	0.1248	-0.19789	2.88E-05	No	Coa3	40.6428	133.87	1.71977	40.6438	133.871	1.71973627	0.00014629	No
						Coa4	4.7137	26.5997	2.49648	4.7147	26.6007	2.49622633	0.00014629	No
						Coa5	23.893	57.1803	1.25893	23.894	57.1813	1.25889503	0.0419596	No
						Coasy	27.7777	73.7418	1.40855	27.7787	73.7428	1.40852311	0.00014629	No
						Cobl	0	15.7668	inf	0.001	15.7678	13.9446938	0.00014629	No
						Cobl1	2.86678	33.2533	3.53599	2.86778	33.2543	3.53553464	0.00014629	No
						Cog1	45.9238	28.8805	-0.669146	45.9248	28.8815	-0.6691278	0.0381731	No
						Cog3	14.916	6.07069	-1.29693	14.917	6.07169	-1.2967874	0.00014629	No
						Cog4	15.1578	26.8401	0.82433	15.1588	26.8411	0.82428825	0.00126596	No
						Cog7	6.84129	19.5679	1.51615	6.84229	19.5689	1.51601151	0.0483641	No
						Cog8	12.5508	18.4126	0.552916	12.5518	18.4136	0.55287744	0.0218441	No
						Col20a1	2.19985	6.28041	1.51346	2.20085	6.28141	1.51302762	0.0167972	No
						COL4A3	62.4254	115.442	0.88697	62.4264	115.443	0.88695252	0.00014629	No
						Col4a3bp	27.9917	9.83438	-1.50909	27.9927	9.83538	-1.5089979	0.00014629	No
						Col4a5	0	31.8754	inf	0.001	31.8764	14.9602011	0.00014629	No
						Commd1	37.2098	75.1984	1.01502	37.2108	75.1994	1.01499974	0.00730705	No
						Commd10	19.1083	34.0499	0.83345	19.1093	34.0509	0.833418	0.00066215	No
						Commd2	11.4861	7.73431	-0.570549	11.4871	7.73531	-0.5704836	0.0243269	No
						Commd3	30.9746	114.883	1.891	30.9756	114.884	1.89097375	0.00014629	No
						Commd4	89.1837	190.073	1.0917	89.1847	190.074	1.09169306	0.00014629	No
						Commd7	80.2809	27.0721	-1.56825	80.2819	27.0731	-1.5682147	0.00014629	No
						Commd8	30.1154	20.1	-0.583301	30.1164	20.101	-0.5832821	0.0128484	No
						Commd9	29.4404	90.3407	1.61758	29.4414	90.3417	1.61754579	0.00014629	No
						Comt	23.7429	211.312	3.15381	23.7439	211.313	3.1537527	0.00014629	No
						COPE	56.265	117.14	1.05793	56.266	117.141	1.05791081	0.00014629	No
						Copg1	34.9761	53.4407	0.611569	34.9771	53.4417	0.61155522	0.00195831	No
						Coprs	18.5262	134.055	2.85518	18.5272	134.056	2.85511902	0.00014629	No
						Cops4	68.5808	111.73	0.704137	68.5818	111.731	0.70413185	0.00053701	No
						Cops6	48.9529	90.5284	0.886975	48.9539	90.5294	0.88696259	0.00014629	No
						Cops7a	15.957	47.7617	1.58166	15.958	47.7627	1.58160454	0.00014629	No
						Cops7b	13.2698	8.03819	-0.723201	13.2708	8.03919	-0.7231333	0.00448672	No
						Copz1	85.3404	114.063	0.418537	85.3414	114.064	0.41852585	0.0376711	No
						Coq10a	12.5345	18.9832	0.598821	12.5355	18.9842	0.59877966	0.0478294	No
						Coq10b	10.3906	19.0698	0.876012	10.3916	19.0708	0.87594756	0.00138312	No
						Coq3	5.89225	20.6695	1.81061	5.89325	20.6705	1.81043791	0.00014629	No
						Coq5	11.1863	32.872	1.55513	11.1873	32.873	1.55504123	0.00014629	No
						Coq6	17.0404	32.0888	0.913109	17.0414	32.0898	0.91307094	0.0185598	No
						Coq7	7.99972	39.0938	2.28892	8.00072	39.0948	2.28877499	0.00014629	No
						Coq9	19.8228	113.255	2.51434	19.8238	113.256	2.51428204	0.00014629	No
						Coro1a	1050.59	84.2085	-3.64109	1050.591	84.2095	-3.6410743	0.00014629	No
						Coro2a	5.37448	0.541857	-3.31014	5.37548	0.542857	-3.3077495	0.0219354	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Coro2b	5.50168	0.711021	-2.95191	5.50268	0.712021	-2.9501427	0.00014629	No
						Coro7	59.4838	17.087	-1.7996	59.4848	17.088	-1.7995375	0.00263402	No
						Cotl1	413.004	189.831	-1.12144	413.005	189.832	-1.121436	0.00014629	No
						Cox15	11.9297	17.2775	0.534336	11.9307	17.2785	0.53429929	0.0184724	No
						Cox16	35.2896	74.602	1.07997	35.2906	74.603	1.07994969	0.00090728	No
						Cox17	157.245	432.252	1.45886	157.246	432.253	1.45885266	0.00014629	No
						Cox18	24.8962	13.5077	-0.882141	24.8972	13.5087	-0.8820947	0.00252712	No
						Cox19	18.7051	68.8796	1.88065	18.7061	68.8806	1.8805889	0.00014629	No
						Cox4i1	657.334	1572.84	1.25867	657.335	1572.841	1.25867213	0.00014629	No
						Cox5a	216.634	897.519	2.05068	216.635	897.52	2.05067774	0.00014629	No
						Cox5b	257.767	961.524	1.89926	257.768	961.525	1.89925119	0.00014629	No
						Cox6a1	373.191	944.119	1.33905	373.192	944.12	1.33905218	0.00014629	No
						COX6A2	0	2.1962	inf	0.001	2.1972	11.1014505	0.00014629	No
						Cox6b1	302.648	950.085	1.65042	302.649	950.086	1.65041253	0.0112518	No
						Cox6c	511.398	1549.92	1.59967	511.399	1549.921	1.59967344	0.00014629	No
						Cox7a2	131.51	507.542	1.94836	131.511	507.543	1.94834658	0.00014629	No
						Cox7a2l	398.561	118.867	-1.74546	398.562	118.868	-1.7454438	0.00014629	No
						Cox7a2l2	20.6248	98.5175	2.256	20.6258	98.5185	2.25594458	0.00014629	No
						Cox7b	361.207	1669.94	2.2089	361.208	1669.941	2.20889538	0.00014629	No
						Cox7c	336.862	1256.03	1.89864	336.863	1256.031	1.89863819	0.00014629	No
						Cox8a	253.506	1627.76	2.6828	253.507	1627.761	2.6827914	0.00014629	No
						Cox8b	0	2.38209	inf	0.001	2.38309	11.2186177	0.00014629	No
						Cp	0.381026	7.64924	4.32735	0.382026	7.65024	4.32376227	0.00195831	No
						Cpd	13.1142	7.28144	-0.848839	13.1152	7.28244	-0.848746	0.00014629	No
						Cpe	1.0739	4.00617	1.89937	1.0749	4.00717	1.89838127	0.00078603	No
						Cpeb2	8.58877	4.6575	-0.882895	8.58977	4.6585	-0.882754	0.00053701	No
						Cpeb3	0.736202	6.30934	3.09932	0.737202	6.31034	3.09758585	0.00014629	No
						Cpeb4	14.2657	23.5079	0.72059	14.2667	23.5089	0.72055537	0.00114835	No
						Cplx2	0	2.36503	inf	0.001	2.36603	11.2082527	0.00014629	No
						Cpm	0.390105	2.7678	2.82681	0.391105	2.7688	2.82363296	0.00014629	No
						Cpne3	8.5577	12.9324	0.595698	8.5587	12.9334	0.595638	0.00427532	No
						Cpne8	0.25158	1.89124	2.91024	0.25258	1.89224	2.90528277	0.00078603	No
						Cpped1	0.667736	31.1282	5.5428	0.668736	31.1292	5.54068791	0.00014629	No
						Cpq	0	82.4672	inf	0.001	82.4682	16.3315503	0.00014629	No
						Cpsf2	14.9909	5.85915	-1.35533	14.9919	5.86015	-1.3551737	0.00014629	No
						Cpsf6	34.0535	5.48704	-2.6337	34.0545	5.48804	-2.6334825	0.00014629	No
						Cpsf7	57.1538	21.2406	-1.42802	57.1548	21.2416	-1.4279822	0.00014629	No
						Cpt2	1.94171	18.9579	3.2874	1.94271	18.9589	3.2867328	0.00014629	No
						Cr1l	79.9317	31.1971	-1.35736	79.9327	31.1981	-1.3573277	0.00014629	No
						Crabp1	0	1.12792	inf	0.001	1.12892	10.1407275	0.00014629	No
						Cradd	9.73003	3.42695	-1.50552	9.73103	3.42795	-1.5052465	0.0107557	No
						Cramp1l	11.7822	2.0204	-2.5439	11.7832	2.0214	-2.5433047	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Crat	2.32466	67.3401	4.85638	2.32566	67.3411	4.85577518	0.00014629	No
						Creb1	14.5911	2.75643	-2.40422	14.5921	2.75743	-2.4037914	0.00014629	No
						Creb3l1	0.0756111	5.46089	6.17439	0.0766111	5.46189	6.15570301	0.00384649	No
						Creb3l2	1.28106	15.0998	3.55912	1.28206	15.1008	3.5580893	0.00014629	No
						Crebbp	81.7874	18.6794	-2.13043	81.7884	18.6804	-2.1303709	0.00102864	No
						Crebrf	38.1349	3.78236	-3.33375	38.1359	3.78336	-3.3334098	0.00014629	No
						CREBZF	52.1784	7.94661	-2.71504	52.1794	7.94761	-2.7148874	0.00014629	No
						Creg1	2.08149	12.9564	2.63798	2.08249	12.9574	2.63739479	0.00014629	No
						Crelid1	3.05018	15.1358	2.31099	3.05118	15.1368	2.31062105	0.00014629	No
						Crelid2	10.4785	30.6413	1.54805	10.4795	30.6423	1.54795471	0.00014629	No
						Crim1	0.823979	22.3696	4.76279	0.824979	22.3706	4.76110275	0.00014629	No
						Cript	62.2051	30.7283	-1.01746	62.2061	30.7293	-1.0174412	0.00014629	No
						Crispld2	0.365252	3.90614	3.41878	0.366252	3.90714	3.41520441	0.00014629	No
						Crk	14.8905	25.6437	0.784212	14.8915	25.6447	0.78417161	0.00028114	No
						Crkl	44.765	22.7034	-0.979463	44.766	22.7044	-0.9794315	0.00078603	No
						Crif3	192.626	6.48868	-4.89174	192.627	6.48968	-4.8915188	0.00014629	No
						Crls1	17.8666	54.8484	1.61818	17.8676	54.8494	1.61812998	0.00014629	No
						Crocc	3.60224	58.6341	4.02477	3.60324	58.6351	4.02439789	0.00014629	No
						Crot	11.7233	25.9557	1.14667	11.7243	25.9567	1.14660519	0.00090728	No
						Crtam	11.6488	0.606655	-4.26316	11.6498	0.607655	-4.2609089	0.0453124	No
						CRTAP	10.4374	172.537	4.04707	10.4384	172.538	4.04694164	0.00014629	No
						Crtc1	11.3294	4.64512	-1.28628	11.3304	4.64612	-1.2861005	0.00014629	No
						Crtc2	53.9081	33.6378	-0.68042	53.9091	33.6388	-0.6804026	0.00700299	No
						Cryaa	0	3.54696	inf	0.001	3.54796	11.792774	0.00014629	No
						Cryab	0.0375773	1161.14	14.9153	0.0385773	1161.141	14.8774315	0.00126596	No
						Cryba4	1.69677	7.98098	2.23377	1.69777	7.98198	2.23310564	0.0121484	No
						Cryga	0	66.2321	inf	0.001	66.2331	16.0152648	0.00014629	No
						Cryl1	4.46597	206.061	5.52796	4.46697	206.062	5.52763811	0.00014629	No
						Cryz	0.702955	207.941	8.20852	0.703955	207.942	8.20648226	0.00014629	No
						Cryzl1	6.30897	12.628	1.00115	6.30997	12.629	1.00103536	0.00090728	No
						Csad	5.84166	29.3648	2.32964	5.84266	29.3658	2.3294397	0.00041099	No
						Csdc2	1.72448	3.28419	0.929377	1.72548	3.28519	0.92897906	0.0260584	No
						Csde1	120.497	69.6873	-0.790032	120.498	69.6883	-0.7900208	0.00014629	No
						Cse1l	24.3802	9.1973	-1.40643	24.3812	9.1983	-1.40633	0.00014629	No
						Csf1	0.449261	4.40988	3.29511	0.450261	4.41088	3.29223308	0.00014629	No
						Csf1r	2.63326	20.0159	2.92622	2.63426	20.0169	2.92574891	0.00014629	No
						Csf2ra	2.00311	5.6568	1.49774	2.00411	5.6578	1.49727948	0.0137192	No
						Csf2rb	0.275112	23.0942	6.39137	0.276112	23.0952	6.38619564	0.00014629	No
						Csgalnact1	0.136313	0.977245	2.84179	0.137313	0.978245	2.83272761	0.0121484	No
						Csgalnact2	10.0542	2.17535	-2.20847	10.0552	2.17635	-2.2079593	0.00014629	No
						Csk	180.077	39.6905	-2.18175	180.078	39.6915	-2.1817199	0.00014629	No
						Csnk1a1	96.2657	45.0564	-1.09529	96.2667	45.0574	-1.0952728	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Csnk1e	29.1382	8.81539	-1.72482	29.1392	8.81639	-1.7247013	0.00014629	No
						Csnk1g1	6.53007	1.77826	-1.87663	6.53107	1.77926	-1.876042	0.00014629	No
						Csnk1g2	133.464	101.39	-0.396543	133.465	101.391	-0.3965319	0.0470633	No
						Csnk1g3	46.7043	13.5409	-1.78623	46.7053	13.5419	-1.7861561	0.00014629	No
						Csnk2a1	43.8321	16.2181	-1.43438	43.8331	16.2191	-1.4343269	0.00014629	No
						Csrnp1	19.2551	11.4849	-0.745503	19.2561	11.4859	-0.7454516	0.00126596	No
						Csrp1	29.8449	62.0256	1.05538	29.8459	62.0266	1.05535429	0.00014629	No
						Csrp2	0.400007	106.687	8.05915	0.401007	106.688	8.05555478	0.0116551	No
						Cst3	69.302	280.305	2.01603	69.303	280.306	2.01601292	0.00014629	No
						Cst7	6.78223	1.7546	-1.95062	6.78323	1.7556	-1.9500082	0.00078603	No
						Cstb	73.4555	215.149	1.55039	73.4565	215.15	1.55038078	0.00014629	No
						Cstf2t	12.6403	8.44316	-0.58217	12.6413	8.44416	-0.582119	0.0106553	No
						Ctage5	60.5054	23.7796	-1.34734	60.5064	23.7806	-1.3473026	0.00014629	No
						Ctbp2	0.5235	24.6762	5.55879	0.5245	24.6772	5.55609213	0.00014629	No
						Ctbs	4.90172	20.2226	2.04461	4.90272	20.2236	2.04438556	0.00014629	No
						Ctc1	8.75256	43.0245	2.29738	8.75356	43.0255	2.29725018	0.00014629	No
						Ctcf	55.95	17.418	-1.68356	55.951	17.419	-1.6835021	0.00014629	No
						Ctdnep1	79.4496	48.1527	-0.722423	79.4506	48.1537	-0.7224115	0.00053701	No
						Ctdp1	32.4157	15.247	-1.08816	32.4167	15.248	-1.0881172	0.00014629	No
						Ctdsp2	71.1198	31.4496	-1.17721	71.1208	31.4506	-1.177184	0.00014629	No
						Ctdspl	0.149114	22.8339	7.25861	0.150114	22.8349	7.24903813	0.00028114	No
						Ctdspl2	15.4477	4.03411	-1.93707	15.4487	4.03511	-1.9368055	0.00014629	No
						Ctf1	0.627254	16.4772	4.71528	0.628254	16.4782	4.7130669	0.00014629	No
						Cth	0.634902	93.9293	7.2089	0.635902	93.9303	7.20664236	0.00014629	No
						Ctif	0.339624	1.93312	2.50892	0.340624	1.93412	2.50542531	0.0132409	No
						Ctla2a	63.0735	21.0731	-1.58163	63.0745	21.0741	-1.5815858	0.00014629	No
						Ctla4	29.8174	1.8161	-4.03724	29.8184	1.8171	-4.0364931	0.00014629	No
						Ctnna1	3.24689	79.153	4.60752	3.24789	79.154	4.60708758	0.00014629	No
						Ctnna3	0	1.14007	inf	0.001	1.14107	10.1561716	0.00014629	No
						Ctnnal1	3.74327	22.0067	2.55557	3.74427	22.0077	2.555252	0.00014629	No
						Ctnnbip1	0.144206	8.61502	5.90065	0.145206	8.61602	5.89084863	0.00014629	No
						Ctnnb1	45.3836	24.3061	-0.900851	45.3846	24.3071	-0.9008251	0.00014629	No
						Ctnnd1	16.7206	28.9909	0.793977	16.7216	28.9919	0.79393699	0.00014629	No
						Ctps2	26.5244	16.415	-0.692303	26.5254	16.416	-0.6922719	0.0089386	No
						Ctr9	30.4265	17.0775	-0.833227	30.4275	17.0785	-0.8331945	0.00014629	No
						Ctsb	69.25	448.989	2.69679	69.251	448.99	2.6967765	0.00014629	No
						Ctsc	42.9807	28.4582	-0.594845	42.9817	28.4592	-0.5948274	0.00285806	No
						Ctsd	31.9297	130.786	2.03424	31.9307	130.787	2.03420306	0.00014629	No
						Ctse	167.393	10.359	-4.01429	167.394	10.36	-4.0141519	0.00014629	No
						Ctsh	5.72043	551.181	6.59026	5.72143	551.182	6.59000919	0.00014629	No
						Ctsl1	22.2195	1065.47	5.58352	22.2205	1065.471	5.58345624	0.00014629	No
						Ctss	90.9471	14.577	-2.64133	90.9481	14.578	-2.6412507	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ctsw	239.197	48.7072	-2.29599	239.198	48.7082	-2.2959688	0.00014629	No
						Cttnbp2	0.24047	2.72823	3.50404	0.24147	2.72923	3.49857811	0.00014629	No
						Ctu1	4.2783	2.22577	-0.94273	4.2793	2.22677	-0.9424223	0.0257873	No
						Ctxn1	0.230896	1.92803	3.06181	0.231896	1.92903	3.05632574	0.0173652	No
						Cul3	74.2092	38.4662	-0.948005	74.2102	38.4672	-0.9479887	0.00014629	No
						Cul4b	24.2432	9.01696	-1.42687	24.2442	9.01796	-1.4267666	0.00014629	No
						Cul5	21.2731	7.28418	-1.54619	21.2741	7.28518	-1.5460616	0.00014629	No
						Cul7	2.14046	5.08338	1.24786	2.14146	5.08438	1.24747713	0.00014629	No
						Cuta	70.8019	124.255	0.811441	70.8029	124.256	0.81143516	0.00014629	No
						Cux1	26.408	57.5715	1.12438	26.409	57.5725	1.12435019	0.00014629	No
						Cwc15	84.7492	237.841	1.48873	84.7502	237.842	1.48871482	0.00014629	No
						Cwc22	33.8354	18.7948	-0.848203	33.8364	18.7958	-0.8481658	0.00114835	No
						Cwf19l2	3.5202	2.30904	-0.60836	3.5212	2.31004	-0.6081493	0.0241459	No
						Cwh43	0.131428	7.71098	5.87457	0.132428	7.71198	5.86382121	0.00405996	No
						Cxcl10	0.892907	11.0077	3.62386	0.893907	11.0087	3.62237556	0.00014629	No
						Cxcl12	0	37.2919	inf	0.001	37.2929	15.1866134	0.00014629	No
						Cxcl16	0.596081	85.0657	7.15693	0.597081	85.0667	7.15452402	0.00014629	No
						Cxcl17	2.8264	0	-inf	2.8274	0.001	-11.46526	0.00014629	No
						Cxcl2	0.428121	5.44221	3.6681	0.429121	5.44321	3.66500129	0.00241835	No
						Cxcr3	20.3593	4.2541	-2.25876	20.3603	4.2551	-2.2584939	0.00014629	No
						Cxcr4	424.901	36.371	-3.54627	424.902	36.372	-3.54623	0.00014629	No
						Cxxc1	39.5319	22.4918	-0.813618	39.5329	22.4928	-0.8135905	0.00014629	No
						Cyb5a	45.3278	361.569	2.9958	45.3288	361.57	2.99577511	0.00014629	No
						Cyb5b	24.2937	131.807	2.43977	24.2947	131.808	2.43972441	0.00014629	No
						Cyb5r1	4.89894	19.4055	1.98593	4.89994	19.4065	1.98570396	0.00014629	No
						Cyb5r2	0	1.96149	inf	0.001	1.96249	10.9384696	0.00014629	No
						Cyb5r3	17.1694	64.2405	1.90364	17.1704	64.2415	1.90358193	0.00014629	No
						Cyba	98.1677	237.879	1.27691	98.1687	237.88	1.27689897	0.00014629	No
						Cybrd1	3.47469	0.318809	-3.44612	3.47569	0.319809	-3.442017	0.00014629	No
						CYC1	59.7216	284.847	2.25386	59.7226	284.848	2.2538434	0.00014629	No
						Cycs	44.3902	603.807	3.76577	44.3912	603.808	3.76574426	0.00014629	No
						Cyfp1	2.51977	25.6111	3.3454	2.52077	25.6121	3.34488915	0.00014629	No
						Cyfp2	97.301	37.0888	-1.39147	97.302	37.0898	-1.391447	0.00014629	No
						Cyp20a1	6.48335	11.0658	0.771302	6.48435	11.0668	0.77120425	0.013146	No
						Cyp27a1	0.0987102	12.1051	6.9382	0.0997102	12.1061	6.92377736	0.00195831	No
						Cyp2c11	0	1.18821	inf	0.001	1.18921	10.2157878	0.00014629	No
						Cyp2c24	0	6.89972	inf	0.001	6.90072	12.7525312	0.00014629	No
						Cyp2d2	2.14478	87.5822	5.35173	2.14578	87.5832	5.35108009	0.00014629	No
						Cyp2d4	0.206467	3.17988	3.94499	0.207467	3.18088	3.93847216	0.00384649	No
						Cyp2j10	0	1.35112	inf	0.001	1.35212	10.4010075	0.00679736	No
						Cyp2r1	1.17612	8.37303	2.83172	1.17712	8.37403	2.83066068	0.00161718	No
						Cyp2s1	36.8263	8.64048	-2.09155	36.8273	8.64148	-2.0914253	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Cyp2u1	12.4117	3.4543	-1.84524	12.4127	3.4553	-1.8449341	0.00066215	No
						Cyp39a1	0	2.16001	inf	0.001	2.16101	11.07749	0.00014629	No
						Cyp4a1	0	19.4324	inf	0.001	19.4334	14.2462507	0.00014629	No
						Cyp4a2	0	956.835	inf	0.001	956.836	19.8679121	0.00014629	No
						Cyp4f1	0	56.5352	inf	0.001	56.5362	15.7868873	0.00014629	No
						Cyp4f17	18.095	3.02513	-2.58052	18.096	3.02613	-2.580125	0.00014629	No
						Cyp4f6	5.729	47.9306	3.06459	5.73	47.9316	3.06437006	0.00014629	No
						Cyp4v3	20.2772	12.1123	-0.743389	20.2782	12.1133	-0.7433376	0.00014629	No
						Cystm1	0.421501	154.128	8.51438	0.422501	154.129	8.51096786	0.00014629	No
						Cyth1	50.7567	9.40355	-2.43232	50.7577	9.40455	-2.4321959	0.00014629	No
						Cyth3	8.49707	3.65293	-1.21791	8.49807	3.65393	-1.2176862	0.0182057	No
						Cyth4	30.8545	10.2641	-1.58788	30.8555	10.2651	-1.58778	0.00014629	No
						Cytip	453.832	23.2598	-4.28624	453.833	23.2608	-4.2861889	0.00014629	No
						Cytl1	0	1.99937	inf	0.001	2.00037	10.9660512	0.00014629	No
						D030056L22 Rik	19.3917	7.27121	-1.41517	19.3927	7.27221	-1.4150479	0.00014629	No
						D2hgdh	3.08505	16.9161	2.45503	3.08605	16.9171	2.45464894	0.00014629	No
						D5Erttd579e	18.5369	34.2229	0.884565	18.5379	34.2239	0.88452635	0.00014629	No
						D630039A0 3Rik	0	7.13387	inf	0.001	7.13487	12.8006714	0.00014629	No
						D930015E06 Rik	66.5389	22.7158	-1.5505	66.5399	22.7168	-1.5504601	0.00014629	No
						Daam1	3.90364	6.57864	0.752968	3.90464	6.57964	0.75281911	0.0164185	No
						Dab2	0.328315	202.525	9.2688	0.329315	202.526	9.26442319	0.00014629	No
						Dach1	0	5.44865	inf	0.001	5.44965	12.4119479	0.00014629	No
						Dad1	123.134	189.839	0.624548	123.135	189.84	0.62454311	0.0109563	No
						Dag1	11.7962	62.2581	2.39995	11.7972	62.2591	2.39984024	0.00014629	No
						DAGLB	1.10924	9.77762	3.13991	1.11024	9.77862	3.1387593	0.00014629	No
						Dak	2.60223	75.4039	4.85682	2.60323	75.4049	4.85628359	0.00014629	No
						Dap	24.6566	108.67	2.13991	24.6576	108.671	2.1398627	0.00014629	No
						Dapk1	2.61007	6.20053	1.2483	2.61107	6.20153	1.24798306	0.00014629	No
						Dapk2	16.4567	47.0537	1.51563	16.4577	47.0547	1.5155761	0.00014629	No
						Dapk3	45.9046	142.146	1.63066	45.9056	142.147	1.63064159	0.00014629	No
						Dapl1	0	41.821	inf	0.001	41.822	15.3519744	0.00014629	No
						Dapp1	18.5044	2.0259	-3.19123	18.5054	2.0269	-3.1905995	0.00014629	No
						Dars2	7.35761	12.349	0.747083	7.35861	12.35	0.74700586	0.0350837	No
						Dazap2	351.288	191.385	-0.87618	351.289	191.386	-0.8761731	0.00014629	No
						Dbf4	2.52035	0.41672	-2.59648	2.52135	0.41772	-2.5935883	0.0107557	No
						Dbi	58.5849	854.449	3.86639	58.5859	854.45	3.86637068	0.00014629	No
						Dbn1	0.266446	10.0181	5.23263	0.267446	10.0191	5.22736148	0.00014629	No
						Dbnnd2	2.05534	43.4661	4.40244	2.05634	43.4671	4.40177312	0.00014629	No
						Dbt	9.6406	18.7496	0.959665	9.6416	18.7506	0.95959228	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dcaf10	4.80288	2.607	-0.881511	4.80388	2.608	-0.8812562	0.00307875	No
						Dcaf15	35.5897	20.4134	-0.80194	35.5907	20.4144	-0.8019131	0.00041099	No
						Dcaf17	7.74254	2.44923	-1.66048	7.74354	2.45023	-1.6600761	0.00014629	No
						Dcaf5	15.8261	6.68379	-1.24356	15.8271	6.68479	-1.2434428	0.00014629	No
						Dcaf7	15.0582	9.73028	-0.629999	15.0592	9.73128	-0.6299436	0.00274649	No
						Dcakd	3.94252	22.279	2.49849	3.94352	22.28	2.49819337	0.00041099	No
						Dcbld1	13.2879	7.8868	-0.7526	13.2889	7.8878	-0.7525268	0.00533979	No
						Dck	22.0407	1.67156	-3.72091	22.0417	1.67256	-3.7201056	0.00014629	No
						Dclk1	0.118385	2.09219	4.14346	0.119385	2.09319	4.13200978	0.00028114	No
						Dclk3	0	34.4867	inf	0.001	34.4877	15.0737943	0.00014629	No
						Dclre1a	3.90617	21.6695	2.47184	3.90717	21.6705	2.47153651	0.00014629	No
						Dclre1b	7.21997	1.92782	-1.90502	7.22097	1.92882	-1.9044741	0.00195831	No
						Dclre1c	18.9249	6.86747	-1.46243	18.9259	6.86847	-1.4623012	0.00014629	No
						Dcn	0	3.62428	inf	0.001	3.62528	11.8238767	0.00014629	No
						Dcp1b	10.4573	6.38691	-0.711319	10.4583	6.38791	-0.7112325	0.0232282	No
						Dcp2	1.55989	0.260278	-2.58332	1.56089	0.261278	-2.5787113	0.0141124	No
						Dcps	40.4471	14.9772	-1.43327	40.4481	14.9782	-1.4332077	0.00014629	No
						Dctd	15.2545	6.42784	-1.24683	15.2555	6.42884	-1.2466991	0.00014629	No
						Dctn2	55.683	100.213	0.847757	55.684	100.214	0.84774931	0.00523722	No
						Dctn3	32.3078	65.0277	1.00917	32.3088	65.0287	1.00914942	0.00014629	No
						Dctpp1	3.31045	9.5289	1.52528	3.31145	9.5299	1.524998	0.0202551	No
						Dcun1d1	12.8995	7.38984	-0.803695	12.9005	7.39084	-0.8036167	0.0150758	No
						Dcun1d4	3.87116	10.8575	1.48785	3.87216	10.8585	1.48761435	0.00014629	No
						Dcun1d5	65.8126	41.7259	-0.65742	65.8136	41.7269	-0.657408	0.00173187	No
						Ddah1	0.350506	166.091	8.88832	0.351506	166.092	8.88421756	0.00014629	No
						Ddb2	17.4467	2.46359	-2.82412	17.4477	2.46459	-2.8236173	0.00296747	No
						Ddc	0.054505	75.1561	10.4293	0.055505	75.1571	10.4030759	0.00090728	No
						Ddhd1	17.9504	5.70409	-1.65394	17.9514	5.70509	-1.6537748	0.00014629	No
						Ddhd2	21.7782	7.99985	-1.44484	21.7792	8.00085	-1.4447258	0.00014629	No
						Ddi2	11.4055	21.0593	0.884721	11.4065	21.0603	0.88466981	0.00219102	No
						DDIT3	19.2264	116.821	2.60313	19.2274	116.822	2.60307639	0.00014629	No
						Ddit4	39.5688	15.7787	-1.32638	39.5698	15.7797	-1.32633	0.00014629	No
						Ddit4l	0	4.38513	inf	0.001	4.38613	12.0987329	0.00014629	No
						Ddrnk1	32.8952	51.9228	0.658493	32.8962	51.9238	0.65847503	0.00252712	No
						Ddt	63.5969	736.936	3.53451	63.5979	736.937	3.53449026	0.00014629	No
						Ddx1	18.3894	26.6507	0.535295	18.3904	26.6517	0.5352747	0.0104529	No
						Ddx10	11.659	3.65726	-1.67261	11.66	3.65826	-1.6723383	0.00014629	No
						Ddx11	7.82944	2.33286	-1.74681	7.83044	2.33386	-1.7463754	0.00028114	No
						Ddx17	201.624	68.5053	-1.55738	201.625	68.5063	-1.557366	0.00014629	No
						Ddx18	21.6926	11.8344	-0.874213	21.6936	11.8354	-0.874161	0.00014629	No
						Ddx19a	27.7022	97.6181	1.81715	27.7032	97.6191	1.81711082	0.00014629	No
						Ddx20	32.5803	7.73204	-2.07508	32.5813	7.73304	-2.0749366	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ddx21	47.4771	6.20253	-2.9363	47.4781	6.20353	-2.9361009	0.00014629	No
						Ddx24	31.1747	64.5586	1.05023	31.1757	64.5596	1.05020969	0.00028114	No
						Ddx26b	58.1318	12.0083	-2.27529	58.1328	12.0093	-2.2752003	0.00014629	No
						Ddx27	38.4424	16.8515	-1.18982	38.4434	16.8525	-1.1897733	0.00014629	No
						DDX39A	82.9648	51.845	-0.678295	82.9658	51.846	-0.6782841	0.00285806	No
						DDX3X	97.2824	49.4585	-0.975959	97.2834	49.4595	-0.975946	0.00014629	No
						Ddx42	46.7879	12.9686	-1.85111	46.7889	12.9696	-1.8510323	0.00014629	No
						Ddx5	760.267	201.067	-1.91883	760.268	201.068	-1.9188246	0.00014629	No
						Ddx50	42.2081	27.6388	-0.610823	42.2091	27.6398	-0.6108069	0.0274347	No
						Ddx52	36.9892	22.0593	-0.745714	36.9902	22.0603	-0.7456907	0.00374149	No
						Deb1	39.1778	104.074	1.4095	39.1788	104.075	1.40947844	0.00014629	No
						Decr1	26.0255	115.544	2.15045	26.0265	115.545	2.15040161	0.00014629	No
						Decr2	1.31564	304.49	7.85448	1.31664	304.491	7.85339484	0.00014629	No
						Dedd2	30.6491	18.2425	-0.748542	30.6501	18.2435	-0.7485092	0.00954394	No
						Def6	54.3446	9.39673	-2.5319	54.3456	9.39773	-2.531779	0.00014629	No
						Def8	2.33177	32.2607	3.79028	2.33277	32.2617	3.78970649	0.00014629	No
						Defb1	0	538.992	inf	0.001	538.993	19.039907	0.00014629	No
						Defb28	0	13.785	inf	0.001	13.786	13.7509163	0.00014629	No
						Defb29	0	9.1148	inf	0.001	9.1158	13.1541536	0.00014629	No
						Dek	63.8548	35.5127	-0.846462	63.8558	35.5137	-0.846442	0.00014629	No
						Dennd1a	4.75377	15.2136	1.67822	4.75477	15.2146	1.67800894	0.00014629	No
						Dennd1b	10.2853	5.51164	-0.900029	10.2863	5.51264	-0.8999088	0.0119499	No
						Dennd1c	417.356	66.2124	-2.65611	417.357	66.2134	-2.6560868	0.00014629	No
						Dennd2d	120.916	18.2244	-2.73006	120.917	18.2254	-2.7299947	0.00802631	No
						Dennd4a	5.92868	1.88292	-1.65474	5.92968	1.88392	-1.6542165	0.00014629	No
						Dennd4b	57.4799	12.5968	-2.19	57.4809	12.5978	-2.1899108	0.00014629	No
						Dennd4c	9.13329	3.36064	-1.4424	9.13429	3.36164	-1.4421274	0.00014629	No
						Dennd5b	0.309117	2.358	2.93134	0.310117	2.359	2.9272909	0.00330073	No
						Dennd6a	43.6346	13.2906	-1.71507	43.6356	13.2916	-1.7149909	0.00014629	No
						Dennd6b	7.20772	19.547	1.43933	7.20872	19.548	1.43920599	0.00014629	No
						Denr	69.0613	39.1184	-0.820031	69.0623	39.1194	-0.8200141	0.0234023	No
						Depdc5	9.16383	5.52852	-0.729057	9.16483	5.52952	-0.7289539	0.0211873	No
						DEPP	0.00763997	6.92045	9.82308	0.00863997	6.92145	9.64583229	0.0162226	No
						Deptor	0.227052	12.2711	5.7561	0.228052	12.2721	5.74987551	0.00014629	No
						Dera	34.9141	65.5797	0.909442	34.9151	65.5807	0.9094202	0.00014629	No
						Desi1	6.8213	10.8011	0.663061	6.8223	10.8021	0.66298171	0.0328695	No
						Desi2	13.1828	5.71565	-1.20566	13.1838	5.71665	-1.2055244	0.00576532	No
						Det1	6.82354	3.11051	-1.13337	6.82454	3.11151	-1.1331169	0.00090728	No
						Dexi	22.9993	42.7082	0.892922	23.0003	42.7092	0.8928942	0.00014629	No
						Dfna5	0.400633	11.586	4.85395	0.401633	11.587	4.85048546	0.00028114	No
						Dfnb31	2.31011	7.16998	1.63401	2.31111	7.17098	1.63358437	0.00014629	No
						Dgat2	0.394324	9.86443	4.64478	0.395324	9.86543	4.64127449	0.00014629	No

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						Dgcr6	3.58391	78.0031	4.44392	3.58491	78.0041	4.44354115	0.00014629	No
						Dgcr8	11.9301	5.52292	-1.1111	11.9311	5.52392	-1.1109627	0.00014629	No
						Dgka	438.343	59.5263	-2.88046	438.344	59.5273	-2.8804401	0.00014629	No
						Dgkd	23.26	10.9347	-1.08893	23.261	10.9357	-1.0888675	0.00014629	No
						Dgke	6.29439	1.27284	-2.30601	6.29539	1.27384	-2.3051117	0.00014629	No
						Dgkg	1.06348	7.66894	2.85023	1.06448	7.66994	2.84906645	0.00014629	No
						Dgkq	11.2199	22.3604	0.994884	11.2209	22.3614	0.99482212	0.00102864	No
						Dgkz	185.93	35.2214	-2.40023	185.931	35.2224	-2.4002022	0.00014629	No
						Dguok	30.2149	51.7255	0.775617	30.2159	51.7265	0.77559566	0.00161718	No
						Dhcr7	3.58911	9.44825	1.39642	3.59011	9.44925	1.39617178	0.00014629	No
						Dhdds	4.63232	32.2132	2.79784	4.63332	32.2142	2.79757854	0.00014629	No
						Dhfr	4.32386	49.5587	3.51875	4.32486	49.5597	3.51844212	0.00014629	No
						Dhrs1	20.2309	45.8524	1.18044	20.2319	45.8534	1.1803969	0.00014629	No
						Dhrs3	2.50428	70.9355	4.82404	2.50528	70.9365	4.82348439	0.00014629	No
						Dhrs4	12.1207	102.275	3.0769	12.1217	102.276	3.0768037	0.00014629	No
						Dhrs7	41.4893	86.4605	1.0593	41.4903	86.4615	1.05928378	0.00014629	No
						DHRSX	64.8711	106.432	0.714284	64.8721	106.433	0.71427549	0.00184429	No
						Dhx15	93.8465	40.1353	-1.22543	93.8475	40.1363	-1.2254107	0.00014629	No
						Dhx16	38.0247	20.6907	-0.877953	38.0257	20.6917	-0.8779226	0.00586782	No
						Dhx29	11.5422	6.54457	-0.818542	11.5432	6.54557	-0.8184525	0.00395247	No
						Dhx36	25.9169	8.09732	-1.67837	25.9179	8.09832	-1.6782543	0.00014629	No
						Dhx37	8.39683	4.82717	-0.798667	8.39783	4.82817	-0.7985401	0.00566132	No
						Dhx38	17.8762	10.5695	-0.758129	17.8772	10.5705	-0.7580772	0.00041099	No
						Dhx57	7.03742	10.8218	0.620828	7.03842	10.8228	0.62075028	0.0119499	No
						Dhx8	14.0688	7.46081	-0.915091	14.0698	7.46181	-0.9150043	0.00028114	No
						Dhx9	47.5016	14.0586	-1.75652	47.5026	14.0596	-1.7564509	0.00014629	No
						Diablo	39.075	56.2154	0.524717	39.076	56.2164	0.52470828	0.0228585	No
						Diap1	28.7573	16.0643	-0.840067	28.7583	16.0653	-0.8400305	0.00041099	No
						Dido1	17.5924	5.16508	-1.76809	17.5934	5.16608	-1.7678924	0.00014629	No
						Diexf	15.095	6.1913	-1.28575	15.096	6.1923	-1.2856191	0.00014629	No
						Dip2a	1.5441	3.66357	1.24648	1.5451	3.66457	1.24594371	0.00014629	No
						Dip2b	18.4806	3.24832	-2.50824	18.4816	3.24932	-2.5078799	0.00014629	No
						Dip2c	0.851181	1.53718	0.852748	0.852181	1.53818	0.85199255	0.0423845	No
						Dis3	10.2915	2.34703	-2.13255	10.2925	2.34803	-2.1320707	0.00014629	No
						Dis3l	6.58704	55.0503	3.06305	6.58804	55.0513	3.06285541	0.00014629	No
						Dixdc1	0.156513	2.44671	3.96649	0.157513	2.44771	3.95788983	0.00053701	No
						Dkc1	90.9528	244.952	1.42931	90.9538	244.953	1.42929914	0.00014629	No
						Dlat	7.47075	29.6683	1.9896	7.47175	29.6693	1.9894528	0.00014629	No
						Dld	39.1096	77.997	0.995893	39.1106	77.998	0.99587746	0.00014629	No
						Dlg4	7.52251	0.803124	-3.22752	7.52351	0.804124	-3.225916	0.00014629	No
						Dlgap5	3.19856	1.74868	-0.871155	3.19956	1.74968	-0.8707824	0.0254337	No
						Dlst	27.1241	81.8057	1.59263	27.1251	81.8067	1.59259055	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dmap1	12.7105	24.3176	0.935985	12.7115	24.3186	0.93592589	0.00014629	No
						DMD	0.124468	1.60924	3.69253	0.125468	1.61024	3.68188437	0.0150758	No
						Dmgdh	0	58.6483	inf	0.001	58.6493	15.8398263	0.00014629	No
						Dmpk	0.209352	25.5653	6.93211	0.210352	25.5663	6.92529404	0.00014629	No
						Dmrtc1c1	0	13.1318	inf	0.001	13.1328	13.6808869	0.00014629	No
						Dmrtc2	11.4689	0.52396	-4.45213	11.4699	0.52496	-4.4495015	0.00230432	No
						Dmtf1	39.9851	8.39868	-2.25123	39.9861	8.39968	-2.2510923	0.00014629	No
						Dmtn	0.0714115	103.777	10.505	0.0724115	103.778	10.4849942	0.00944816	No
						Dmx1	7.72953	2.57838	-1.58392	7.73053	2.57938	-1.583543	0.00014629	No
						Dna2	19.5953	12.0809	-0.69778	19.5963	12.0819	-0.6977339	0.00090728	No
						DNAH17	5.3381	0.289372	-4.20533	5.3391	0.290372	-4.2006223	0.0107557	No
						Dnaja1	111.552	173.858	0.640199	111.553	173.859	0.64018844	0.00184429	No
						Dnaja2	80.47	59.9992	-0.423508	80.471	60.0002	-0.4235017	0.0378376	No
						Dnaja3	29.8088	81.0881	1.44375	29.8098	81.0891	1.4437213	0.00090728	No
						Dnaja4	17.0579	40.2903	1.23999	17.0589	40.2913	1.23994373	0.00014629	No
						Dnajib1	22.191	51.6701	1.21936	22.192	51.6711	1.2193179	0.00014629	No
						Dnajib2	27.3853	68.5942	1.32469	27.3863	68.5952	1.32465326	0.00053701	No
						Dnajib4	31.8491	15.7421	-1.01663	31.8501	15.7431	-1.0165782	0.00014629	No
						Dnajib6	103.568	31.6408	-1.71072	103.569	31.6418	-1.7106887	0.00014629	No
						Dnajib9	14.6781	10.1625	-0.530411	14.6791	10.1635	-0.5303662	0.0423845	No
						Dnajc11	17.203	31.39	0.867648	17.204	31.391	0.86760695	0.00363169	No
						Dnajc12	2.2156	25.2759	3.51199	2.2166	25.2769	3.51139918	0.00014629	No
						Dnajc15	14.5552	54.0051	1.89156	14.5562	54.0061	1.89148859	0.00014629	No
						Dnajc17	23.4479	52.4404	1.16122	23.4489	52.4414	1.16118595	0.00066215	No
						Dnajc25	0.519114	1.9372	1.89985	0.520114	1.9382	1.89781767	0.0216554	No
						Dnajc28	0.43295	7.28471	4.0726	0.43395	7.28571	4.06946884	0.00184429	No
						Dnajc3	36.1214	18.2279	-0.986704	36.1224	18.2289	-0.9866662	0.00014629	No
						Dnajc4	5.42142	33.4144	2.62373	5.42242	33.4154	2.62350438	0.00014629	No
						Dnajc5	42.2481	18.0863	-1.22398	42.2491	18.0873	-1.2239435	0.00014629	No
						Dnajc5b	0	1.14691	inf	0.001	1.14791	10.1647938	0.00014629	No
						Dnajc7	132.16	55.4301	-1.25354	132.161	55.4311	-1.253529	0.00014629	No
						Dnajc8	124.548	71.4138	-0.802425	124.549	71.4148	-0.8024184	0.027611	No
						DNAJC9	68.5402	23.761	-1.52835	68.5412	23.762	-1.5283152	0.00014629	No
						Dnal4	1.26362	11.639	3.20333	1.26462	11.64	3.20231521	0.00014629	No
						Dnase1	0.204709	95.0684	8.85924	0.205709	95.0694	8.85223233	0.00028114	No
						Dnase1l1	41.1999	14.533	-1.5033	41.2009	14.534	-1.503244	0.00014629	No
						Dnase2	26.4835	16.5014	-0.682506	26.4845	16.5024	-0.6824724	0.00669647	No
						DNLZ	23.1804	115.651	2.3188	23.1814	115.652	2.31875061	0.00014629	No
						Dnm1	0.773392	20.9565	4.76005	0.774392	20.9575	4.75825877	0.00014629	No
						Dnm1l	16.1756	10.3388	-0.645742	16.1766	10.3398	-0.6457001	0.00649695	No
						Dnm3	0	12.6685	inf	0.001	12.6695	13.629072	0.00014629	No
						Dnmbp	1.0398	14.0994	3.76126	1.0408	14.1004	3.75997132	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dnmt1	23.5593	6.16262	-1.93468	23.5603	6.16362	-1.9345081	0.00014629	No
						Dnmt3b	10.1277	1.70075	-2.57407	10.1287	1.70175	-2.573358	0.00014629	No
						Dnpep	97.4877	144.372	0.566502	97.4887	144.373	0.56649405	0.00438237	No
						Dnph1	0.519013	11.6625	4.48996	0.520013	11.6635	4.48730928	0.0387854	No
						Dnttip1	21.6469	51.5572	1.25201	21.6479	51.5582	1.25197482	0.00014629	No
						Dnttip2	25.5767	13.0902	-0.966343	25.5777	13.0912	-0.9662892	0.00014629	No
						Doc2g	21.0439	47.3502	1.16997	21.0449	47.3512	1.16993033	0.00014629	No
						Dock11	46.092	3.37821	-3.77019	46.093	3.37921	-3.7697898	0.00014629	No
						Dock2	93.2815	6.44004	-3.85645	93.2825	6.44104	-3.8562409	0.00014629	No
						Dock7	1.10056	8.05731	2.87206	1.10156	8.05831	2.87092923	0.00014629	No
						Dock8	64.0068	38.2494	-0.74279	64.0078	38.2504	-0.7427729	0.0299771	No
						Dok1	5.20123	1.457	-1.83585	5.20223	1.458	-1.8351395	0.00102864	No
						Dolpp1	3.41613	6.06355	0.827801	3.41713	6.06455	0.82761546	0.0175479	No
						Donson	14.9246	2.07417	-2.84708	14.9256	2.07517	-2.8464875	0.0147863	No
						Dopey1	24.1875	10.7986	-1.16342	24.1885	10.7996	-1.1633434	0.00710369	No
						Dpagt1	10.3428	27.8076	1.42685	10.3438	27.8086	1.42676483	0.00014629	No
						Dpcd	7.65081	45.561	2.57411	7.65181	45.562	2.57395812	0.00014629	No
						Dpep2	0.479415	1.86557	1.96027	0.480415	1.86657	1.95803651	0.0222129	No
						Dpf2	52.7754	29.6439	-0.832132	52.7764	29.6449	-0.832109	0.00014629	No
						Dph2	6.24093	3.93544	-0.665237	6.24193	3.93644	-0.6651007	0.0408729	No
						Dph5	14.6296	5.45787	-1.42248	14.6306	5.45887	-1.4223147	0.00014629	No
						Dpm2	14.3147	31.3723	1.13199	14.3157	31.3733	1.13193907	0.00014629	No
						Dpp7	42.0609	178.044	2.08168	42.0619	178.045	2.081656	0.00014629	No
						Dpp8	27.0861	13.7753	-0.975468	27.0871	13.7763	-0.9754175	0.00014629	No
						Dpp9	38.0721	26.3171	-0.53273	38.0731	26.3181	-0.5327167	0.0171742	No
						Dpy19l3	7.36486	14.0914	0.936087	7.36586	14.0924	0.93599145	0.0265045	No
						Dpy30	159.408	94.3282	-0.756961	159.409	94.3292	-0.7569567	0.00028114	No
						Dpyd	0	1.60041	inf	0.001	1.60141	10.645127	0.00014629	No
						Dpysl2	39.7632	26.7021	-0.574481	39.7642	26.7031	-0.5744629	0.00341151	No
						Dqx1	6.85257	17.325	1.33814	6.85357	17.326	1.33801104	0.00014629	No
						Dr1	22.8719	8.72824	-1.38981	22.8729	8.72924	-1.3897113	0.00014629	No
						Dram1	1.4031	5.22077	1.89565	1.4041	5.22177	1.89489323	0.00138312	No
						Dram2	12.2211	36.8354	1.59172	12.2221	36.8364	1.59163988	0.00566132	No
						Drg1	34.0226	22.5524	-0.593211	34.0236	22.5534	-0.5931909	0.00974684	No
						Drosha	22.2251	36.4334	0.713076	22.2261	36.4344	0.71304641	0.0201642	No
						Dse	11.7838	2.08329	-2.49986	11.7848	2.08429	-2.4992993	0.00014629	No
						Dsg2	0	1.32156	inf	0.001	1.32256	10.3691175	0.00014629	No
						Dst	26.5602	62.5284	1.23525	26.5612	62.5294	1.23521435	0.00014629	No
						Dstn	96.4818	165.771	0.780858	96.4828	165.772	0.78085667	0.00014629	No
						Dstyk	3.26639	5.31262	0.701728	3.26739	5.31362	0.70155639	0.0475835	No
						Dtd1	41.3484	21.1686	-0.965906	41.3494	21.1696	-0.9658724	0.00014629	No
						Dtna	0	3.08977	inf	0.001	3.09077	11.5937506	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dtnb	14.8955	52.5471	1.81873	14.8965	52.5481	1.8186652	0.00014629	No
						Dtnbp1	3.57881	15.9306	2.15425	3.57981	15.9316	2.15393624	0.00014629	No
						Dtx1	9.14336	0.409256	-4.48165	9.14436	0.410256	-4.4782859	0.0125475	No
						Dtx3	17.7556	55.1587	1.63531	17.7566	55.1597	1.63525925	0.00014629	No
						Dtx3l	9.76487	1.11818	-3.12644	9.76587	1.11918	-3.1253065	0.019873	No
						Dus3l	27.3605	87.5983	1.67881	27.3615	87.5993	1.67877202	0.00014629	No
						Dusp1	27.2859	167.561	2.61846	27.2869	167.562	2.6184146	0.00014629	No
						Dusp10	9.58945	1.4829	-2.69302	9.59045	1.4839	-2.6922046	0.00014629	No
						Dusp16	7.0178	3.17395	-1.14474	7.0188	3.17495	-1.1444905	0.00014629	No
						Dusp2	29.283	15.9605	-0.875558	29.284	15.9615	-0.8755164	0.00053701	No
						Dusp22	8.18807	22.7202	1.47238	8.18907	22.7212	1.47226751	0.00014629	No
						Dusp5	5.64429	11.1463	0.981695	5.64529	11.1473	0.98157472	0.00041099	No
						Dusp6	6.38018	17.6687	1.46953	6.38118	17.6697	1.46938241	0.00014629	No
						Dusp7	20.9152	31.0595	0.570483	20.9162	31.0605	0.57046028	0.0185598	No
						Dusp9	0	1.14591	inf	0.001	1.14691	10.1635365	0.00014629	No
						Dut	29.193	90.6219	1.63423	29.194	90.6229	1.63420376	0.00014629	No
						Dvl1	25.6028	88.2001	1.78448	25.6038	88.2011	1.7844387	0.00014629	No
						Dvl3	20.0971	7.86156	-1.3541	20.0981	7.86256	-1.3539881	0.00014629	No
						Dxo	8.21356	16.7202	1.02551	8.21456	16.7212	1.02542318	0.0332271	No
						Dync1h1	30.0135	18.8301	-0.672566	30.0145	18.8311	-0.6725424	0.00053701	No
						Dync1i2	42.4488	27.0635	-0.649376	42.4498	27.0645	-0.649356	0.00184429	No
						Dync2li1	0.156743	12.0293	6.262	0.157743	12.0303	6.25295282	0.00014629	No
						Dynll2	24.5988	111.558	2.18113	24.5998	111.559	2.18108842	0.00014629	No
						Dynlrb1	153.374	243.219	0.665201	153.375	243.22	0.66519852	0.00102864	No
						Dynlt1	23.5392	60.3248	1.35769	23.5402	60.3258	1.35764856	0.00126596	No
						DYRK1A	40.3266	10.3204	-1.96623	40.3276	10.3214	-1.9661289	0.00014629	No
						Dyrk1b	5.59891	9.54566	0.769698	5.59991	9.54666	0.76959244	0.0332271	No
						Dyrk2	100.141	7.54845	-3.72971	100.142	7.54945	-3.7295318	0.00014629	No
						Dysf	0	14.1704	inf	0.001	14.1714	13.7906947	0.00014629	No
						Dzip1l	0	9.69437	inf	0.001	9.69537	13.2430802	0.00014629	No
						Dzip3	6.88799	1.93777	-1.82969	6.88899	1.93877	-1.8291508	0.00014629	No
						E2f2	15.0262	2.71816	-2.46677	15.0272	2.71916	-2.4663433	0.00014629	No
						E4f1	23.7172	66.8129	1.4942	23.7182	66.8139	1.49415375	0.00014629	No
						Eaf1	4.8502	11.8097	1.28385	4.8512	11.8107	1.28368091	0.00014629	No
						Eapp	50.4743	27.8972	-0.855432	50.4753	27.8982	-0.8554055	0.0152626	No
						Ebag9	30.3373	14.3304	-1.08201	30.3383	14.3314	-1.0819607	0.00014629	No
						Ebf4	0	6.67223	inf	0.001	6.67323	12.7041695	0.00014629	No
						Ech1	78.8191	174.55	1.14703	78.8201	174.551	1.14701314	0.00014629	No
						Eci2	13.2039	65.4745	2.30997	13.2049	65.4755	2.3098818	0.00014629	No
						Eci3	5.07512	313.37	5.94828	5.07612	313.371	5.94800169	0.00014629	No
						Ecm1	2.32359	5.8444	1.3307	2.32459	5.8454	1.33032547	0.00066215	No
						Escr	0	2.54042	inf	0.001	2.54142	11.3114191	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ecsit	10.8146	56.204	2.37769	10.8156	56.205	2.37758478	0.00014629	No
						Ect2	0.182075	1.25801	2.78854	0.183075	1.25901	2.78178304	0.0134314	No
						Edaradd	0.896564	0	-inf	0.897564	0.001	-9.809871	0.00028114	No
						Edem1	47.3457	13.0752	-1.8564	47.3467	13.0762	-1.8563205	0.00014629	No
						Edem3	8.86858	3.98342	-1.1547	8.86958	3.98442	-1.1544961	0.00014629	No
						Edn1	0	1.98908	inf	0.001	1.99008	10.9586107	0.00014629	No
						Ednra	0	1.78208	inf	0.001	1.78308	10.8001557	0.00014629	No
						Ednrb	0	2.6179	inf	0.001	2.6189	11.3547453	0.00014629	No
						Eed	27.3641	17.1646	-0.672849	27.3651	17.1656	-0.6728168	0.00330073	No
						Eef1a1	8891.14	1928.88	-2.20461	8891.141	1928.881	-2.2046044	0.00014629	No
						Eef1a2	0	3.96159	inf	0.001	3.96259	11.952228	0.00014629	No
						Eef1b2	1017.39	275.493	-1.88478	1017.391	275.494	-1.8847814	0.00014629	No
						EEF1B2L	0	1.54628	inf	0.001	1.54728	10.5955186	0.00014629	No
						Eef1e1	13.3975	31.0769	1.21388	13.3985	31.0779	1.21381753	0.00307875	No
						Eefsec	11.0292	23.6236	1.0989	11.0302	23.6246	1.09883095	0.00066215	No
						Efcab4a	0.202722	13.4272	6.04951	0.203722	13.4282	6.04252033	0.00720409	No
						Efcab4b	15.4237	0.681902	-4.49944	15.4247	0.682902	-4.4974201	0.0202551	No
						Efcab7	1.53565	3.38556	1.14055	1.53665	3.38656	1.14003195	0.0136225	No
						Efemp1	0	30.8884	inf	0.001	30.8894	14.9148242	0.00014629	No
						EFEMP2	1.46001	11.834	3.01889	1.46101	11.835	3.01802175	0.00014629	No
						Efhd2	61.6892	21.757	-1.50354	61.6902	21.758	-1.5034954	0.00014629	No
						Efna4	0.340287	4.50552	3.72687	0.341287	4.50652	3.72295643	0.0211873	No
						Efnb1	0.490776	15.1264	4.94586	0.491776	15.1274	4.94301891	0.00014629	No
						Efnb2	0.581586	5.37626	3.20854	0.582586	5.37726	3.20632829	0.00014629	No
						Efr3a	26.0227	11.913	-1.12723	26.0237	11.914	-1.1271682	0.00014629	No
						Eftud2	35.0418	24.9648	-0.489185	35.0428	24.9658	-0.4891649	0.0171742	No
						Egf	0.138662	13.8746	6.64473	0.139662	13.8756	6.63446681	0.0143044	No
						Egfl8	8.80672	49.9478	2.50374	8.80772	49.9488	2.50360951	0.00149937	No
						Egfr	0	1.00502	inf	0.001	1.00602	9.97444327	0.00014629	No
						Egln3	1.92702	4.46631	1.21271	1.92802	4.46731	1.21228635	0.00138312	No
						Ehbp1	0.892007	8.34666	3.22607	0.893007	8.34766	3.22462845	0.00014629	No
						Ehd1	8.56981	58.5457	2.77223	8.57081	58.5467	2.77208439	0.00014629	No
						Ehd3	75.8587	10.2767	-2.88393	75.8597	10.2777	-2.8838162	0.00014629	No
						Ehd4	4.46604	6.76772	0.599674	4.46704	6.76872	0.59956387	0.0293375	No
						Ehf	0	14.9227	inf	0.001	14.9237	13.8653176	0.00014629	No
						Ehhadh	1.91823	26.9075	3.81016	1.91923	26.9085	3.80946245	0.00014629	No
						Ehmt1	12.6042	4.48697	-1.4901	12.6052	4.48797	-1.4898841	0.00014629	No
						Eid2b	7.85539	3.00471	-1.38646	7.85639	3.00571	-1.3861607	0.00078603	No
						Eif1	588.438	405.528	-0.537089	588.439	405.529	-0.5370878	0.0118533	No
						Eif1ad	25.8602	13.6737	-0.919331	25.8612	13.6747	-0.91928	0.0394714	No
						Eif1b	47.8204	128.726	1.4286	47.8214	128.727	1.42858641	0.00014629	No
						Eif2ak2	9.42447	5.98985	-0.653893	9.42547	5.99085	-0.6538038	0.00700299	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eif2ak3	20.5544	5.5289	-1.89438	20.5554	5.5299	-1.8941921	0.00014629	No
						Eif2b1	15.8829	30.1332	0.923882	15.8839	30.1342	0.92383658	0.00014629	No
						Eif2b3	13.1868	7.12095	-0.888958	13.1878	7.12195	-0.8888597	0.004167	No
						Eif2b4	21.3813	41.074	0.941878	21.3823	41.075	0.94184353	0.00028114	No
						Eif2b5	17.5444	24.3008	0.469996	17.5454	24.3018	0.46997034	0.0353465	No
						Eif2s2	93.0943	59.0246	-0.657375	93.0953	59.0256	-0.6573675	0.00090728	No
						Eif2s3	109.33	26.2232	-2.05978	109.331	26.2242	-2.0597319	0.00014629	No
						Eif3a	66.8356	30.5763	-1.1282	66.8366	30.5773	-1.1281773	0.00014629	No
						Eif3c	77.6017	54.2135	-0.517435	77.6027	54.2145	-0.5174281	0.0283457	No
						Eif3d	74.4554	55.3919	-0.4267	74.4564	55.3929	-0.4266948	0.0327779	No
						Eif3e	356.145	81.002	-2.13644	356.146	81.003	-2.1364215	0.00014629	No
						Eif3F	282.533	118.955	-1.24801	282.534	118.956	-1.2479964	0.00014629	No
						Eif3g	247.021	163.759	-0.593055	247.022	163.76	-0.5930565	0.00263402	No
						Eif3h	194.234	84.2146	-1.20565	194.235	84.2156	-1.2056438	0.00014629	No
						Eif3i	138.457	84.4248	-0.713699	138.458	84.4258	-0.7136926	0.00330073	No
						Eif3j	42.2687	20.6604	-1.03273	42.2697	20.6614	-1.0326859	0.00384649	No
						Eif3m	256.064	115.005	-1.1548	256.065	115.006	-1.1548009	0.00014629	No
						Eif4a1	206.568	152.45	-0.438287	206.569	152.451	-0.4382782	0.0241459	No
						Eif4b	183.352	73.8242	-1.31245	183.353	73.8252	-1.3124386	0.00014629	No
						Eif4e	41.3233	24.5205	-0.752966	41.3243	24.5215	-0.7529431	0.00014629	No
						Eif4e2	60.7957	39.1053	-0.636603	60.7967	39.1063	-0.636592	0.00659461	No
						Eif4e3	9.27099	3.16982	-1.54832	9.27199	3.17082	-1.548023	0.00014629	No
						Eif4ebp1	36.1058	15.4188	-1.22754	36.1068	15.4198	-1.2274865	0.00014629	No
						Eif4ebp2	45.5948	20.242	-1.17152	45.5958	20.243	-1.1714778	0.0218441	No
						Eif4enif1	22.0421	10.8264	-1.02571	22.0431	10.8274	-1.0256403	0.00014629	No
						Eif4g1	25.7593	10.9642	-1.2323	25.7603	10.9652	-1.2322173	0.00014629	No
						Eif4g3	32.099	13.7764	-1.22033	32.1	13.7774	-1.2202696	0.00041099	No
						Eif4h	157.364	97.6446	-0.688497	157.365	97.6456	-0.6884878	0.00014629	No
						Eif5a2	0.902723	0	-inf	0.903723	0.001	-9.8197368	0.00138312	No
						Eif5b	34.5351	70.1767	1.02293	34.5361	70.1777	1.02290749	0.00028114	No
						Eif6	89.2559	167.551	0.908577	89.2569	167.552	0.9085733	0.00014629	No
						Elavl1	41.4386	21.9491	-0.916815	41.4396	21.9501	-0.9167826	0.00014629	No
						Elf1	82.6105	8.05421	-3.35851	82.6115	8.05521	-3.3583485	0.00014629	No
						Elf2	51.8774	7.66243	-2.75923	51.8784	7.66343	-2.7590718	0.00014629	No
						Elf4	35.7794	1.93283	-4.21034	35.7804	1.93383	-4.2096366	0.00014629	No
						Elk1	27.9838	59.2735	1.08279	27.9848	59.2745	1.08276815	0.00014629	No
						Elk3	34.1942	5.76355	-2.56872	34.1952	5.76455	-2.5685139	0.00014629	No
						Elk4	44.9082	3.70649	-3.59885	44.9092	3.70749	-3.5984963	0.00014629	No
						Ell3	2.91625	28.7516	3.30145	2.91725	28.7526	3.30101149	0.00014629	No
						Elmo1	22.295	0.78315	-4.83129	22.296	0.78415	-4.8295114	0.0103501	No
						Elmod2	6.78084	3.03108	-1.16163	6.78184	3.03208	-1.1613689	0.00014629	No
						Elmod3	3.60733	7.41701	1.03991	3.60833	7.41801	1.03970093	0.00274649	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Elmsan1	22.6875	3.90545	-2.53834	22.6885	3.90645	-2.5380312	0.00014629	No
						Eln	0	3.67488	inf	0.001	3.67588	11.843874	0.00014629	No
						Elof1	22.8928	92.2761	2.01106	22.8938	92.2771	2.01101572	0.00014629	No
						Elov1	65.7656	179.737	1.45048	65.7666	179.738	1.45046846	0.00014629	No
						Elov15	164.28	15.2778	-3.42665	164.281	15.2788	-3.4265625	0.00014629	No
						Elp5	17.6693	33.3779	0.917645	17.6703	33.3789	0.91760988	0.00028114	No
						Elp6	13.6415	37.0614	1.44191	13.6425	37.0624	1.44184826	0.00014629	No
						Elt1	0	3.01913	inf	0.001	3.02013	11.5603949	0.00014629	No
						Emb	3.16261	21.9363	2.79413	3.16361	21.9373	2.79374231	0.00014629	No
						Emc2	28.5805	47.9782	0.74735	28.5815	47.9792	0.74732747	0.00480938	No
						Emcn	0	21.7403	inf	0.001	21.7413	14.4081506	0.00014629	No
						Emd	25.2589	10.0734	-1.32624	25.2599	10.0744	-1.326155	0.00014629	No
						Emilin1	0.348904	3.20023	3.19727	0.349904	3.20123	3.19359527	0.00041099	No
						Eml1	0	2.35707	inf	0.001	2.35807	11.2033908	0.00014629	No
						Eml4	42.2598	9.51783	-2.15058	42.2608	9.51883	-2.1504639	0.00014629	No
						Emp3	200.616	33.1379	-2.59789	200.617	33.1389	-2.5978462	0.00014629	No
						Emr1	0.264542	1.20069	2.1823	0.265542	1.20169	2.1780528	0.00679736	No
						Emx1	0	23.5006	inf	0.001	23.5016	14.5204714	0.00014629	No
						Enah	0.0581745	6.53122	6.81082	0.0591745	6.53222	6.78645396	0.00078603	No
						Enc1	0.099393	3.16351	4.99224	0.100393	3.16451	4.97825154	0.00078603	No
						Endod1	1.42123	10.8224	2.92881	1.42223	10.8234	2.92792707	0.00014629	No
						Endov	5.93025	13.7316	1.21133	5.93125	13.7326	1.21119671	0.00126596	No
						Enkd1	0.342627	24.131	6.13811	0.343627	24.132	6.13396028	0.00184429	No
						Eno1	214.191	1026.54	2.26083	214.192	1026.541	2.26081475	0.00014629	No
						Enox1	0	4.75336	inf	0.001	4.75436	12.2150354	0.00014629	No
						Enpp4	5.56428	3.15431	-0.818869	5.56528	3.15531	-0.8186725	0.00173187	No
						Enpp5	1.21288	23.4072	4.27044	1.21388	23.4082	4.26931629	0.00014629	No
						Enpp6	0	29.7836	inf	0.001	29.7846	14.862279	0.00014629	No
						Enthd2	15.8258	44.4494	1.48988	15.8268	44.4504	1.48982681	0.00066215	No
						Entpd2	4.55038	123.975	4.76792	4.55138	123.976	4.76761301	0.00014629	No
						Entpd6	5.16462	1.95604	-1.40072	5.16562	1.95704	-1.4002683	0.00114835	No
						Eny2	23.6652	32.7878	0.470389	23.6662	32.7888	0.47037503	0.0307655	No
						Eomes	9.38714	1.01099	-3.21491	9.38814	1.01199	-3.2136443	0.015456	No
						EP300	10.9469	1.87084	-2.54877	10.9479	1.87184	-2.5481251	0.00014629	No
						Ep400	23.6205	9.22668	-1.35616	23.6215	9.22768	-1.3560607	0.00014629	No
						Epas1	0.447369	26.0948	5.86615	0.448369	26.0958	5.86298729	0.00014629	No
						Epb4.1	114.682	29.2946	-1.96893	114.683	29.2956	-1.9688956	0.00014629	No
						Epb4.115	1.76415	18.6972	3.40578	1.76515	18.6982	3.4050367	0.00014629	No
						Epb4111	0.0679112	47.9876	9.4648	0.0689112	47.9886	9.44373753	0.00914429	No
						Epb4112	29.7888	6.79089	-2.13309	29.7898	6.79189	-2.1329334	0.00014629	No
						EPC1	76.0083	17.8119	-2.09331	76.0093	17.8129	-2.0932535	0.00014629	No
						Epc2	34.4232	9.63921	-1.83639	34.4242	9.64021	-1.8362866	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Epg5	15.2313	2.97791	-2.35466	15.2323	2.97891	-2.3542774	0.00014629	No
						Epha1	0.25624	11.8374	5.52972	0.25724	11.8384	5.5242153	0.00014629	No
						Epha4	0	6.34947	inf	0.001	6.35047	12.6326477	0.00014629	No
						Epha7	0	7.73832	inf	0.001	7.73932	12.9179911	0.00014629	No
						Ephb6	16.9389	2.12974	-2.99159	16.9399	2.13074	-2.9909989	0.00014629	No
						Ephx1	4.61476	55.3589	3.58449	4.61576	55.3599	3.58420122	0.00014629	No
						Epm2aip1	11.506	7.82795	-0.555683	11.507	7.82895	-0.555621	0.00639443	No
						Epn3	0	24.8905	inf	0.001	24.8915	14.6033656	0.00014629	No
						Eprs	35.1479	25.5323	-0.461118	35.1489	25.5333	-0.4610995	0.019504	No
						Eps15	35.2686	12.2567	-1.52481	35.2696	12.2577	-1.5247369	0.00014629	No
						Eps8	0.398035	23.6679	5.89389	0.399035	23.6689	5.89033356	0.00014629	No
						Eps8l1	0.0501365	12.6192	7.97555	0.0511365	12.6202	7.94716564	0.00028114	No
						Eps8l2	0.17103	154.847	9.82238	0.17203	154.848	9.81397686	0.00252712	No
						Ept1	10.3286	2.29631	-2.16926	10.3296	2.29731	-2.1687669	0.00014629	No
						ErbB2ip	68.0314	25.4323	-1.41954	68.0324	25.4333	-1.4195033	0.00014629	No
						ErbB3	0.229542	4.39496	4.25902	0.230542	4.39596	4.25307675	0.00014629	No
						ErbB4	0	1.7552	inf	0.001	1.7562	10.7782414	0.00014629	No
						Erc1	2.9438	1.89936	-0.632168	2.9448	1.90036	-0.6318969	0.0134314	No
						Ercc1	6.945	25.5532	1.87946	6.946	25.5542	1.87930611	0.00041099	No
						Ercc6	11.8905	4.60539	-1.36841	11.8915	4.60639	-1.3682222	0.00014629	No
						Ercc6l	0.883447	0.131932	-2.74335	0.884447	0.132932	-2.7340873	0.0130449	No
						Ercc6l2	10.9308	6.38958	-0.77461	10.9318	6.39058	-0.7745122	0.0134314	No
						Erg	0	1.79036	inf	0.001	1.79136	10.8068396	0.00014629	No
						Ergic3	40.3089	69.0005	0.77551	40.3099	69.0015	0.77549352	0.00014629	No
						Erh	195.966	117.795	-0.734328	195.967	117.796	-0.7343202	0.00028114	No
						Eri1	17.7628	8.90523	-0.996133	17.7638	8.90623	-0.9960535	0.00014629	No
						Eri2	2.50874	40.6578	4.0185	2.50974	40.6588	4.01795782	0.00014629	No
						Eri3	19.3463	73.9841	1.93515	19.3473	73.9851	1.93510251	0.00014629	No
						Erlec1	20.4627	30.1851	0.560838	20.4637	30.1861	0.56081736	0.0130449	No
						Erlin1	5.5165	8.22952	0.577054	5.5175	8.23052	0.57696886	0.0265045	No
						Erlin2	4.26073	9.4841	1.15441	4.26173	9.4851	1.15422379	0.00014629	No
						Ero1l	11.5661	4.81286	-1.26494	11.5671	4.81386	-1.2647611	0.00014629	No
						Erp29	23.6996	92.9169	1.97108	23.7006	92.9179	1.97103297	0.00014629	No
						ERRFI1	1.93877	101.157	5.70531	1.93977	101.158	5.70458101	0.00014629	No
						Esco1	25.1533	13.585	-0.888736	25.1543	13.586	-0.8886843	0.00608077	No
						Esd	22.7805	222.859	3.29026	22.7815	222.86	3.29020305	0.00014629	No
						Esf1	13.0205	6.62554	-0.974679	13.0215	6.62654	-0.974568	0.00014629	No
						Esrp1	0	2.89465	inf	0.001	2.89565	11.4996715	0.00014629	No
						Esrra	6.02394	44.8979	2.89787	6.02494	44.8989	2.89766132	0.00041099	No
						Esrrb	0	1.69632	inf	0.001	1.69732	10.7290429	0.00149937	No
						Esyt2	95.6665	10.8356	-3.14224	95.6675	10.8366	-3.1421167	0.00014629	No
						Etf1	53.6614	34.1856	-0.650493	53.6624	34.1866	-0.6504806	0.00263402	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Etfa	35.2728	219.616	2.63835	35.2738	219.617	2.63832083	0.00014629	No
						Etfb	25.448	402.767	3.98432	25.449	402.768	3.98426819	0.00014629	No
						Etfdh	10.5359	41.4062	1.97453	10.5369	41.4072	1.97443117	0.00014629	No
						Etnk1	75.1588	31.7618	-1.24265	75.1598	31.7628	-1.2426231	0.00014629	No
						Etnk2	0	6.85886	inf	0.001	6.85986	12.7439634	0.00014629	No
						Etnppl	0	18.5816	inf	0.001	18.5826	14.1816648	0.00014629	No
						Ets1	639.329	15.6923	-5.34843	639.33	15.6933	-5.3483401	0.00014629	No
						Ets2	4.32796	20.5534	2.24762	4.32896	20.5544	2.24735488	0.00014629	No
						Etv6	19.6678	10.5011	-0.905296	19.6688	10.5021	-0.9052311	0.0267812	No
						Evc	0	40.3177	inf	0.001	40.3187	15.2991615	0.00014629	No
						Evc2	0	3.87655	inf	0.001	3.87755	11.9209297	0.00014629	No
						Evi2a	48.6173	2.02096	-4.58836	48.6183	2.02196	-4.5876731	0.0166081	No
						Evi2b	40.9504	2.02243	-4.33971	40.9514	2.02343	-4.3390379	0.00384649	No
						Evi5	4.71822	45.2845	3.2627	4.71922	45.2855	3.26242885	0.00014629	No
						Evl	620.647	84.3593	-2.87915	620.648	84.3603	-2.8791391	0.00014629	No
						Ewsr1	7.36255	2.18632	-1.7517	7.36355	2.18732	-1.7512372	0.00014629	No
						Exd2	7.94339	4.07586	-0.962651	7.94439	4.07686	-0.962478	0.00207488	No
						Exoc1	23.0212	50.7981	1.14181	23.0222	50.7991	1.14177723	0.00014629	No
						Exoc2	15.3002	10.7464	-0.509705	15.3012	10.7474	-0.5096571	0.046797	No
						Exoc3	19.9624	39.6735	0.990889	19.9634	39.6745	0.99085459	0.00014629	No
						Exoc3l1	1.57249	8.049	2.35576	1.57349	8.05	2.35502077	0.00014629	No
						Exoc3l2	0.155017	3.78819	4.61101	0.156017	3.78919	4.60211434	0.015456	No
						Exoc4	11.0283	6.16472	-0.839109	11.0293	6.16572	-0.839	0.00078603	No
						Exoc5	18.2779	11.9861	-0.608737	18.2789	11.9871	-0.6086966	0.00802631	No
						Exoc6	7.00484	32.6389	2.22017	7.00584	32.6399	2.22000669	0.00014629	No
						EXOC7	3.03082	8.87231	1.5496	3.03182	8.87331	1.54928827	0.0194106	No
						Exog	3.38934	1.30549	-1.37641	3.39034	1.30649	-1.3757339	0.00014629	No
						Exosc1	39.6513	21.3886	-0.890528	39.6523	21.3896	-0.890495	0.00066215	No
						Exosc5	35.2418	65.0118	0.883413	35.2428	65.0128	0.88339524	0.0390364	No
						Exosc9	30.0198	11.2981	-1.40983	30.0208	11.2991	-1.4097546	0.00014629	No
						Exph5	0.0643508	1.56831	4.60711	0.0653508	1.56931	4.58578166	0.00014629	No
						Extl3	9.87842	3.49029	-1.50093	9.87942	3.49129	-1.5006661	0.0151721	No
						Eya3	14.0035	5.83627	-1.26267	14.0045	5.83727	-1.2625248	0.00014629	No
						Ezr	306.849	484.784	0.659812	306.85	484.785	0.65981148	0.00710369	No
						F11r	0.7447	56.485	6.24506	0.7457	56.486	6.24315419	0.00184429	No
						F13b	0	4.12147	inf	0.001	4.12247	12.0092933	0.00014629	No
						F2	0.119789	3.31197	4.78913	0.120789	3.31297	4.77756416	0.00395247	No
						F3	0	23.2646	inf	0.001	23.2656	14.5059108	0.00014629	No
						F5	2.52894	0.864465	-1.54865	2.52994	0.865465	-1.5475558	0.00533979	No
						F8	9.06985	2.45396	-1.88597	9.07085	2.45496	-1.8855382	0.00014629	No
						Fa2h	0	4.50374	inf	0.001	4.50474	12.1372281	0.00014629	No
						Fabp4	0	3.26914	inf	0.001	3.27014	11.6751367	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fabp5	2.76615	29.4984	3.41468	2.76715	29.4994	3.41421286	0.00053701	No
						Fadd	4.39729	2.40488	-0.870649	4.39829	2.40588	-0.870378	0.00586782	No
						Fads3	0.24755	30.1616	6.92885	0.24855	30.1626	6.92308088	0.00374149	No
						Fads6	0.150189	1.50403	3.32398	0.151189	1.50503	3.31536716	0.0124494	No
						Faf2	17.8223	9.11001	-0.968158	17.8233	9.11101	-0.9680816	0.00285806	No
						Fah	11.4977	346.455	4.91325	11.4987	346.456	4.91312947	0.00014629	No
						Fahd1	8.61196	120.741	3.80943	8.61296	120.742	3.80927466	0.00014629	No
						Fahd2a	16.5422	119.97	2.85845	16.5432	119.971	2.85837548	0.00014629	No
						Faim3	16.9535	2.106	-3.00901	16.9545	2.107	-3.008406	0.00014629	No
						FALZ	38.7412	5.82897	-2.73256	38.7422	5.82997	-2.7323455	0.00014629	No
						Fam102a	62.8541	8.62826	-2.86487	62.8551	8.62926	-2.8647211	0.00014629	No
						Fam105a	130.598	4.33676	-4.91237	130.599	4.33776	-4.9120498	0.00014629	No
						Fam105b	84.9414	14.5962	-2.54088	84.9424	14.5972	-2.5407932	0.00014629	No
						Fam109a	0.635414	4.99888	2.97583	0.636414	4.99988	2.97385599	0.012747	No
						Fam110b	0.383395	5.89773	3.94325	0.384395	5.89873	3.9397429	0.00285806	No
						Fam115c	12.1524	2.35489	-2.36751	12.1534	2.35589	-2.3670159	0.00014629	No
						Fam117a	130.594	12.6766	-3.36485	130.595	12.6776	-3.3647461	0.00014629	No
						Fam117b	27.8585	4.51877	-2.62412	27.8595	4.51977	-2.6238481	0.00014629	No
						Fam118a	9.45464	1.42002	-2.73511	9.45564	1.42102	-2.7342482	0.00014629	No
						Fam118b	17.0218	7.33916	-1.2137	17.0228	7.34016	-1.2135849	0.0356993	No
						Fam120a	76.4217	47.6164	-0.682522	76.4227	47.6174	-0.6825124	0.00263402	No
						FAM120C	0.706951	2.52143	1.83456	0.707951	2.52243	1.83309282	0.00014629	No
						Fam126a	5.15964	0.970933	-2.40983	5.16064	0.971933	-2.4086212	0.00014629	No
						Fam127b	41.9806	96.2247	1.19669	41.9816	96.2257	1.19666511	0.00014629	No
						Fam129a	21.5414	15.6161	-0.464076	21.5424	15.6171	-0.4640524	0.0372317	No
						Fam131c	0	1.20939	inf	0.001	1.21039	10.2412563	0.00014629	No
						Fam133b	29.0731	20.0375	-0.536985	29.0741	20.0385	-0.53696	0.0181078	No
						Fam134b	11.5659	25.6722	1.15033	11.5669	25.6732	1.15026086	0.00014629	No
						Fam134c	58.5522	11.0609	-2.40426	58.5532	11.0619	-2.4041488	0.00014629	No
						Fam135a	0.0574483	8.01869	7.12496	0.0584483	8.01969	7.1002416	0.00964777	No
						Fam136a	5.29457	12.1302	1.19602	5.29557	12.1312	1.19586438	0.00028114	No
						Fam13a	0.0106523	7.25453	9.41157	0.0116523	7.25553	9.28232244	0.0134314	No
						Fam13b	42.3367	16.1078	-1.39415	42.3377	16.1088	-1.3940939	0.00014629	No
						Fam149a	0.0538625	20.3983	8.56495	0.0548625	20.3993	8.53848357	0.00028114	No
						Fam151a	0.664235	75.1242	6.82144	0.665235	75.1252	6.81928904	0.00014629	No
						Fam160a1	0	2.35443	inf	0.001	2.35543	11.2017747	0.00014629	No
						Fam162a	76.1019	139.467	0.873923	76.1029	139.468	0.87391081	0.00041099	No
						Fam168a	8.63971	5.36939	-0.686225	8.64071	5.37039	-0.686123	0.00274649	No
						Fam168b	68.6369	18.8235	-1.86645	68.6379	18.8245	-1.8663939	0.00014629	No
						Fam169b	81.2353	3.51497	-4.53052	81.2363	3.51597	-4.5301299	0.00014629	No
						Fam171a2	1.59093	10.6715	2.74583	1.59193	10.6725	2.74504936	0.00014629	No
						Fam172a	19.6169	6.32775	-1.63233	19.6179	6.32875	-1.6321781	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam173a	30.9734	44.8929	0.535457	30.9744	44.8939	0.53544309	0.0401648	No
						Fam173b	8.99196	20.1633	1.16502	8.99296	20.1643	1.16493537	0.00014629	No
						Fam178a	12.5108	3.73723	-1.74313	12.5118	3.73823	-1.7428621	0.00014629	No
						Fam179b	13.8401	6.26677	-1.14306	13.8411	6.26777	-1.1429345	0.00014629	No
						Fam184a	0.141652	12.8505	6.50334	0.142652	12.8515	6.49329297	0.00296747	No
						Fam185a	34.4987	7.91776	-2.12338	34.4997	7.91876	-2.1232374	0.00014629	No
						Fam188a	12.1502	23.5669	0.955779	12.1512	23.5679	0.95572442	0.00014629	No
						Fam188b	0.400654	1.97815	2.30373	0.401654	1.97915	2.30085581	0.00195831	No
						Fam195a	0.966804	74.3757	6.26546	0.967804	74.3767	6.26399203	0.00014629	No
						Fam195b	33.8532	92.5334	1.45068	33.8542	92.5344	1.45065496	0.00014629	No
						Fam198b	0.0649737	1.08152	4.05706	0.0659737	1.08252	4.03635885	0.00502315	No
						Fam204a	6.03248	2.14337	-1.49287	6.03348	2.14437	-1.4924365	0.00014629	No
						Fam208a	38.8824	8.71092	-2.15822	38.8834	8.71192	-2.1580918	0.00014629	No
						Fam20c	0.138522	106.063	9.58058	0.139522	106.064	9.57022672	0.00014629	No
						Fam211b	41.3353	70.3288	0.76674	41.3363	70.3298	0.76672686	0.00014629	No
						Fam213a	1.66349	8.6678	2.38145	1.66449	8.6688	2.3807521	0.00014629	No
						Fam214b	1.22872	16.784	3.77187	1.22972	16.785	3.77077077	0.00014629	No
						Fam216a	4.14147	18.8229	2.18428	4.14247	18.8239	2.18400241	0.00014629	No
						Fam217b	0.961395	0	-inf	0.962395	0.001	-9.9104853	0.00014629	No
						Fam21c	46.3583	69.9132	0.592738	46.3593	69.9142	0.59272672	0.0207324	No
						Fam221a	0.186858	5.71404	4.9345	0.187858	5.71504	4.92704914	0.00078603	No
						Fam229a	1.62409	5.76499	1.82769	1.62509	5.76599	1.82704872	0.0244119	No
						Fam26f	96.7983	5.54708	-4.12518	96.7993	5.54808	-4.1249361	0.00014629	No
						Fam46a	2.05891	1.23164	-0.741306	2.05991	1.23264	-0.7408298	0.0261464	No
						Fam46c	21.1562	4.32198	-2.29132	21.1572	4.32298	-2.2910506	0.00014629	No
						FAM49B	132.37	14.2203	-3.21855	132.371	14.2213	-3.2184618	0.00014629	No
						Fam53a	38.8177	16.4759	-1.23636	38.8187	16.4769	-1.236307	0.019873	No
						Fam53b	11.6402	3.71538	-1.64754	11.6412	3.71638	-1.6472699	0.00014629	No
						Fam53c	14.3191	8.14782	-0.813452	14.3201	8.14882	-0.8133785	0.00014629	No
						Fam60a	19.9178	9.66652	-1.04299	19.9188	9.66752	-1.042913	0.00014629	No
						Fam63a	9.84043	29.4913	1.5835	9.84143	29.4923	1.58339847	0.00014629	No
						Fam65b	140.704	2.14875	-6.03302	140.705	2.14975	-6.0323609	0.00014629	No
						Fam71a	0	2.24656	inf	0.001	2.24756	11.1341439	0.00014629	No
						Fam71b	2.0547	0	-inf	2.0557	0.001	-11.005414	0.00014629	No
						Fam73b	9.30347	29.4099	1.66046	9.30447	29.4109	1.66035505	0.00014629	No
						Fam76b	19.6756	5.48861	-1.84189	19.6766	5.48961	-1.8417054	0.00014629	No
						Fam78a	30.1928	0.71884	-5.39239	30.1938	0.71984	-5.3904323	0.00014629	No
						Fam81a	0.0660792	28.3298	8.74391	0.0670792	28.3308	8.72229014	0.0418048	No
						Fam84b	30.4755	15.4466	-0.98036	30.4765	15.4476	-0.9803145	0.00014629	No
						Fam89b	54.158	29.1175	-0.895289	54.159	29.1185	-0.8952651	0.00014629	No
						Fam8a1	21.1398	5.71728	-1.88656	21.1408	5.71828	-1.8863768	0.00014629	No
						Fam92a1	11.2211	46.5144	2.05147	11.2221	46.5154	2.05136576	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam96b	25.7814	85.5375	1.73023	25.7824	85.5385	1.73018734	0.00014629	No
						Fanca	3.85911	15.3107	1.9882	3.86011	15.3117	1.9879206	0.0157431	No
						Fancb	5.09343	1.11971	-2.18551	5.09443	1.12071	-2.1845077	0.00102864	No
						Fancc	1.7259	4.31262	1.32121	1.7269	4.31362	1.32071455	0.00195831	No
						Fancg	3.36751	0.259355	-3.69868	3.36851	0.260355	-3.6935586	0.00138312	No
						Far1	15.7118	6.39386	-1.29709	15.7128	6.39486	-1.2969556	0.00014629	No
						Farp1	0.630165	26.2286	5.37927	0.631165	26.2296	5.37703479	0.00102864	No
						Fars2	8.47296	33.1168	1.96662	8.47396	33.1178	1.96649861	0.00014629	No
						Fas	1.92311	0.612685	-1.65023	1.92411	0.613685	-1.6486211	0.0211873	No
						Faslg	2.59188	1.01204	-1.35673	2.59288	1.01304	-1.3558643	0.0176431	No
						Fasn	8.64977	5.59336	-0.628946	8.65077	5.59436	-0.6288555	0.00296747	No
						Fastkd1	27.967	16.1713	-0.790286	27.968	16.1723	-0.7902522	0.0155518	No
						Fau	3760.69	1907.32	-0.979454	3760.691	1907.321	-0.9794501	0.00014629	No
						Fbf1	11.1217	46.7495	2.07157	11.1227	46.7505	2.07147475	0.00014629	No
						Fbl	117.082	51.8807	-1.17425	117.083	51.8817	-1.174234	0.00014629	No
						Fbp2	0.773832	4.26437	2.46224	0.774832	4.26537	2.46071545	0.00230432	No
						Fbrs	49.1641	8.0566	-2.60936	49.1651	8.0576	-2.6092125	0.00014629	No
						Fbxl12	59.001	11.4818	-2.36139	59.002	11.4828	-2.3612894	0.00014629	No
						Fbxl20	21.2254	3.59196	-2.56295	21.2264	3.59296	-2.5626149	0.00014629	No
						Fbxl22	77.4574	30.7725	-1.33176	77.4584	30.7735	-1.3317332	0.00363169	No
						Fbxl3	50.335	23.5184	-1.09777	50.336	23.5194	-1.0977393	0.00659461	No
						Fbxl5	25.9421	37.0898	0.515729	25.9431	37.0908	0.5157105	0.0118533	No
						Fbxo11	27.4647	9.05389	-1.60097	27.4657	9.05489	-1.600862	0.00014629	No
						Fbxo16	0	3.41077	inf	0.001	3.41177	11.7363047	0.00014629	No
						Fbxo21	5.73692	15.9071	1.47132	5.73792	15.9081	1.47116178	0.00014629	No
						Fbxo3	73.636	32.6075	-1.17521	73.637	32.6085	-1.1751828	0.00014629	No
						Fbxo33	22.8386	5.99063	-1.93069	22.8396	5.99163	-1.9305169	0.00014629	No
						Fbxo34	10.6995	4.95179	-1.11152	10.7005	4.95279	-1.1113649	0.00014629	No
						Fbxo38	20.1121	13.2981	-0.596839	20.1131	13.2991	-0.5968068	0.0191214	No
						Fbxo39	7.31761	2.54895	-1.52147	7.31861	2.54995	-1.5211007	0.00263402	No
						Fbxo4	0.788521	11.433	3.85792	0.789521	11.434	3.85620875	0.00014629	No
						Fbxo44	20.348	70.5304	1.79336	20.349	70.5314	1.79330778	0.00014629	No
						Fbxo5	3.66091	1.11711	-1.71244	3.66191	1.11811	-1.7115342	0.00126596	No
						Fbxo9	30.699	58.1567	0.921753	30.7	58.1577	0.92173156	0.00014629	No
						Fbxw2	40.4406	29.3378	-0.463043	40.4416	29.3388	-0.4630302	0.0297106	No
						Fbxw4	47.3747	84.0466	0.827072	47.3757	84.0476	0.82705936	0.00184429	No
						Fbxw5	32.6961	83.0947	1.34564	32.6971	83.0957	1.34561114	0.00014629	No
						Fbxw7	12.9157	21.3856	0.727508	12.9167	21.3866	0.72746961	0.00576532	No
						Fbxw8	0.43679	13.7102	4.97217	0.43779	13.7112	4.96897203	0.00173187	No
						Fcgr1a	0.527788	3.82914	2.85899	0.528788	3.83014	2.85663578	0.0139199	No
						Fcgrt	6.61112	61.6564	3.22128	6.61212	61.6574	3.22108924	0.00014629	No
						Fcho1	70.5175	11.6708	-2.59508	70.5185	11.6718	-2.5949747	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fcho2	12.4218	20.6428	0.732758	12.4228	20.6438	0.73271818	0.00318982	No
						Fchsd1	8.41754	12.6306	0.585458	8.41854	12.6316	0.58539543	0.0159399	No
						Fchsd2	25.7093	7.19817	-1.83659	25.7103	7.19917	-1.836444	0.00014629	No
						Fcrl5	3.16564	0.339995	-3.21891	3.16664	0.340995	-3.2151304	0.0314513	No
						Fcrla	8.78891	1.09275	-3.00772	8.78991	1.09375	-3.0065654	0.0435806	No
						Fdft1	7.8229	32.5785	2.05815	7.8239	32.5795	2.05800463	0.00014629	No
						Fdps	53.1431	77.6704	0.547482	53.1441	77.6714	0.54747394	0.00864487	No
						Fdx1	10.6837	75.4724	2.82054	10.6847	75.4734	2.82042187	0.00014629	No
						Fdx1l	30.4842	71.3805	1.22747	30.4852	71.3815	1.22744121	0.00014629	No
						Fdxr	9.26563	20.9127	1.17442	9.26663	20.9137	1.17433165	0.031283	No
						Fech	4.21932	16.8244	1.99548	4.22032	16.8254	1.9952165	0.00014629	No
						Fem1a	11.7339	19.5628	0.737431	11.7349	19.5638	0.73738107	0.00274649	No
						Fem1b	20.2318	7.0816	-1.51448	20.2328	7.0826	-1.514345	0.00014629	No
						Fem1c	5.63199	3.1304	-0.847297	5.63299	3.1314	-0.8470931	0.00014629	No
						Fermt2	1.0547	34.9204	5.04916	1.0557	34.9214	5.04783957	0.00014629	No
						Fermt3	101.597	19.8709	-2.35413	101.598	19.8719	-2.3540703	0.00014629	No
						Fert2	0.0485319	1.12401	4.53357	0.0495319	1.12501	4.50543605	0.00438237	No
						Fes	0.482741	10.5616	4.45144	0.483741	10.5626	4.44858637	0.00014629	No
						Fetub	0	8.34553	inf	0.001	8.34653	13.0269608	0.00014629	No
						FEZ2	5.11871	30.8672	2.59222	5.11971	30.8682	2.59198736	0.00014629	No
						Fgd1	0.017544	1.16153	6.0489	0.018544	1.16253	5.97017166	0.0256152	No
						Fgf1	0	27.5946	inf	0.001	27.5956	14.7521506	0.00014629	No
						Fgf12	0	5.0275	inf	0.001	5.0285	12.2959124	0.00014629	No
						Fgf13	0.403027	9.26178	4.52234	0.404027	9.26278	4.51892164	0.00014629	No
						Fgf9	0	41.1006	inf	0.001	41.1016	15.3269069	0.00014629	No
						Fgfbp3	0.645025	2.08787	1.6946	0.646025	2.08887	1.69306081	0.0244119	No
						Fgfr1	0.577132	22.1282	5.26084	0.578132	22.1292	5.25840856	0.00014629	No
						Fgfr1op	13.2597	5.16975	-1.35888	13.2607	5.17075	-1.3587115	0.00053701	No
						Fgfr1op2	39.4134	15.91	-1.30875	39.4144	15.911	-1.3086983	0.00014629	No
						Fgfrl1	0.259515	10.2866	5.30881	0.260515	10.2876	5.3033962	0.0089386	No
						Fggy	3.89414	81.4252	4.3861	3.89514	81.4262	4.38574599	0.00014629	No
						Fgl2	65.7975	3.3992	-4.27477	65.7985	3.4002	-4.2743632	0.00014629	No
						Fh	12.3715	128.262	3.374	12.3725	128.263	3.37389611	0.00014629	No
						Fhit	5.68189	65.7815	3.53324	5.68289	65.7825	3.53300714	0.00014629	No
						Fhl1	0.200839	4.78844	4.57545	0.201839	4.78944	4.56858011	0.00066215	No
						Fhod3	0	18.5602	inf	0.001	18.5612	14.1800024	0.00126596	No
						Fip1l1	33.6998	20.9424	-0.686314	33.7008	20.9434	-0.6862872	0.0417203	No
						Fitm2	1.00257	3.75758	1.9061	1.00357	3.75858	1.90504646	0.00014629	No
						Fjx1	0	3.96313	inf	0.001	3.96413	11.9527886	0.00014629	No
						Fkbp10	0.459365	1.97346	2.10301	0.460365	1.97446	2.10060808	0.0085437	No
						Fkbp14	21.137	3.84887	-2.45726	21.138	3.84987	-2.4569572	0.00014629	No
						Fkbp2	25.6459	103.473	2.01246	25.6469	103.474	2.01241195	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fkbp5	25.8446	8.32661	-1.63406	25.8456	8.32761	-1.6339443	0.00014629	No
						Fkrp	6.32026	2.93732	-1.10549	6.32126	2.93832	-1.1052206	0.00114835	No
						Flna	150.641	16.7916	-3.16531	150.642	16.7926	-3.1652265	0.00014629	No
						Flnb	0.160124	16.255	6.66555	0.161124	16.256	6.65665709	0.00014629	No
						FLOT2	68.1221	41.0026	-0.732406	68.1231	41.0036	-0.7323935	0.00028114	No
						Flrt1	0.00417774	2.86525	9.42172	0.00517774	2.86625	9.11262621	0.0245946	No
						Flt3l	25.493	12.9202	-0.980471	25.494	12.9212	-0.9804177	0.00914429	No
						Flvcr2	3.03963	16.3248	2.4251	3.04063	16.3258	2.42471151	0.0341756	No
						Flywch1	14.186	60.9709	2.10365	14.187	60.9719	2.10357496	0.00014629	No
						Flywch2	0	14.5933	inf	0.001	14.5943	13.8331174	0.00014629	No
						Fmn1l	239.349	50.1315	-2.25533	239.35	50.1325	-2.2553037	0.00014629	No
						Fmn12	0.82804	3.48107	2.07176	0.82904	3.48207	2.07043159	0.00427532	No
						Fmn13	28.3803	15.5726	-0.865883	28.3813	15.5736	-0.8658382	0.0089386	No
						Fmo1	0	154.218	inf	0.001	154.219	17.234621	0.00014629	No
						Fmo2	0	11.6179	inf	0.001	11.6189	13.5041859	0.00014629	No
						Fmo3	0	75.2178	inf	0.001	75.2188	16.1988057	0.00014629	No
						Fmo4	0.42403	59.7049	7.13754	0.42503	59.7059	7.13416502	0.00041099	No
						FMR1	39.1519	7.41497	-2.40057	39.1529	7.41597	-2.4004119	0.00014629	No
						Fnbp1	76.3218	10.456	-2.86777	76.3228	10.457	-2.8676451	0.00014629	No
						Fnbp4	126.697	24.1755	-2.38977	126.698	24.1765	-2.3897164	0.00014629	No
						Fndc3a	12.5624	8.73377	-0.52444	12.5634	8.73477	-0.5243853	0.02588	No
						Fndc3b	0.174979	8.8394	5.65869	0.175979	8.8404	5.65063646	0.00014629	No
						Fnip1	15.9373	2.61646	-2.60672	15.9383	2.61746	-2.6062584	0.00014629	No
						Fnip2	1.35686	17.4618	3.68586	1.35786	17.4628	3.68487825	0.00014629	No
						Fnta	24.273	50.6915	1.06239	24.274	50.6925	1.06236045	0.00014629	No
						Fntb	25.0716	3.05222	-3.03812	25.0726	3.05322	-3.0377082	0.00014629	No
						Folh1	0	5.81126	inf	0.001	5.81226	12.5048835	0.00014629	No
						FOLR2	0.369269	423.53	10.1636	0.370269	423.531	10.1596781	0.00014629	No
						Fos	4.70734	228.499	5.60113	4.70834	228.5	5.60083185	0.00014629	No
						Fosb	0.832817	38.6453	5.53615	0.833817	38.6463	5.5344557	0.00014629	No
						Fosl2	1.29569	9.75234	2.91203	1.29669	9.75334	2.91106273	0.00523722	No
						Foxh1	1.01458	21.6553	4.41577	1.01558	21.6563	4.41441098	0.00014629	No
						Foxi1	0.167683	5.14636	4.93974	0.168683	5.14736	4.9314462	0.00502315	No
						Foxj2	18.5928	9.28144	-1.00233	18.5938	9.28244	-1.0022457	0.00014629	No
						Foxk1	18.0976	4.77909	-1.92099	18.0986	4.78009	-1.9207684	0.00014629	No
						Foxn2	31.7212	5.84196	-2.44092	31.7222	5.84296	-2.4407215	0.00014629	No
						Foxn3	32.4976	7.15624	-2.18306	32.4986	7.15724	-2.1829023	0.00014629	No
						Foxo1	64.8227	4.14372	-3.9675	64.8237	4.14472	-3.9671748	0.00014629	No
						Foxp1	50.9804	8.09455	-2.65492	50.9814	8.09555	-2.65477	0.00014629	No
						Foxp3	13.5198	7.15759	-0.917532	13.5208	7.15859	-0.9174332	0.0146937	No
						Foxp4	18.8334	10.5264	-0.839281	18.8344	10.5274	-0.8392209	0.00014629	No
						Fpgs	4.02295	28.2067	2.80971	4.02395	28.2077	2.80940475	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fra10ac1	13.7966	21.1553	0.616701	13.7976	21.1563	0.61667	0.0234023	No
						Fras1	0	1.90605	inf	0.001	1.90705	10.897127	0.00014629	No
						Frat2	43.5118	3.65898	-3.5719	43.5128	3.65998	-3.5715322	0.00014629	No
						Frem2	0	0.954931	inf	0.001	0.955931	9.90076268	0.00014629	No
						Frg1l1	15.2945	4.2886	-1.83444	15.2955	4.2896	-1.8341922	0.00014629	No
						Frk	0	1.92793	inf	0.001	1.92893	10.9135851	0.00014629	No
						Frmd4a	0.665447	3.74972	2.49439	0.666447	3.75072	2.49260551	0.0261464	No
						Frmd4b	2.43719	20.7728	3.0914	2.43819	20.7738	3.09088268	0.00014629	No
						Frmd6	8.79121	3.29854	-1.41424	8.79221	3.29954	-1.4139609	0.00014629	No
						Frmd8	12.9882	19.6644	0.598382	12.9892	19.6654	0.59834695	0.0089386	No
						Frs2	6.64145	2.73816	-1.27829	6.64245	2.73916	-1.2779819	0.00014629	No
						Frs3	1.2007	8.84295	2.88066	1.2017	8.84395	2.87961409	0.00014629	No
						Fryl	23.04	6.35486	-1.85821	23.041	6.35586	-1.8580441	0.00014629	No
						Fst	0.277258	321.479	10.1793	0.278258	321.48	10.1740901	0.0171742	No
						Ftcd	2.09616	20.7097	3.30449	2.09716	20.7107	3.30386748	0.00173187	No
						Fth1	613.339	5774.84	3.23502	613.34	5774.841	3.23502228	0.00014629	No
						Ftl	22.6847	303.493	3.74187	22.6857	303.494	3.74181291	0.00014629	No
						Ftsj2	2.10059	5.33676	1.34517	2.10159	5.33776	1.3447532	0.00263402	No
						Ftsj3	36.0795	10.2158	-1.82037	36.0805	10.2168	-1.8202759	0.00014629	No
						Fubp1	41.7236	17.7786	-1.23072	41.7246	17.7796	-1.2306754	0.00934853	No
						Fubp3	22.8097	11.0027	-1.05179	22.8107	11.0037	-1.051722	0.00173187	No
						Fuca2	1.0753	14.3144	3.73465	1.0763	14.3154	3.73341582	0.00014629	No
						Fundc1	41.5306	12.391	-1.74488	41.5316	12.392	-1.7448004	0.00014629	No
						Fuom	2.31017	21.985	3.25045	2.31117	21.986	3.24988987	0.00014629	No
						Fut8	16.9833	10.1363	-0.744588	16.9843	10.1373	-0.7445283	0.00241835	No
						Fv1	30.3474	10.1636	-1.57815	30.3484	10.1646	-1.578067	0.00014629	No
						Fxn	18.3232	45.2522	1.30431	18.3242	45.2532	1.3042696	0.00014629	No
						Fxr1	62.2554	36.7095	-0.762044	62.2564	36.7105	-0.7620294	0.00864487	No
						Fxyd4	0.0902721	56.2958	9.28453	0.0912721	56.2968	9.26866328	0.0381731	No
						Fxyd5	587.093	50.9848	-3.52545	587.094	50.9858	-3.5254241	0.00014629	No
						Fyb	160.773	2.58632	-5.95798	160.774	2.58732	-5.9574318	0.00014629	No
						Fyco1	26.7717	10.1938	-1.39302	26.7727	10.1948	-1.3929292	0.00014629	No
						Fyn	114.688	8.04407	-3.83365	114.689	8.04507	-3.8334782	0.00014629	No
						Fytd1	36.5804	15.4606	-1.24248	36.5814	15.4616	-1.2424207	0.00014629	No
						Fzd1	0	20.1518	inf	0.001	20.1528	14.2986927	0.00014629	No
						Fzd3	0.0833645	0.874356	3.39072	0.0843645	0.875356	3.37516191	0.0119499	No
						Fzd8	0.125143	1.17135	3.22653	0.126143	1.17235	3.21627129	0.00994441	No
						G0s2	1.14718	179.03	7.28596	1.14818	179.031	7.28471678	0.00014629	No
						G2E3	7.85824	1.2039	-2.70649	7.85924	1.2049	-2.7054764	0.00014629	No
						G3bp2	34.5167	17.9683	-0.941845	34.5177	17.9693	-0.9418021	0.00014629	No
						G6pc3	22.3778	34.212	0.612434	22.3788	34.213	0.61241194	0.00730705	No
						G6pd	44.4144	23.2152	-0.935956	44.4154	23.2162	-0.9359281	0.00014629	No

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gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gaa	2.5089	16.1395	2.68547	2.5099	16.1405	2.68498348	0.00014629	No
						Gabarap	243.465	468.621	0.944709	243.466	468.622	0.94470437	0.00014629	No
						Gabarapl1	30.6914	219.574	2.8388	30.6924	219.575	2.83876044	0.00014629	No
						Gabarapl2	37.0811	57.2384	0.6263	37.0821	57.2394	0.6262856	0.00173187	No
						Gabbr1	61.2944	10.6886	-2.51968	61.2954	10.6896	-2.5195709	0.00014629	No
						Gabpb1	20.3887	5.85591	-1.79981	20.3897	5.85691	-1.7996289	0.00014629	No
						Gabpb1l	5.47	2.04633	-1.4185	5.471	2.04733	-1.4180609	0.00843988	No
						Gabpb2	13.5938	4.55269	-1.57816	13.5948	4.55369	-1.5779469	0.00263402	No
						Gabrp	0	2.84838	inf	0.001	2.84938	11.4764323	0.00014629	No
						Gadd45a	34.4034	144.475	2.07019	34.4044	144.476	2.07016487	0.00014629	No
						Gadd45b	2.06324	29.9691	3.8605	2.06424	29.9701	3.85984128	0.00014629	No
						Gadd45g	1.69282	392.631	7.8576	1.69382	392.632	7.85675338	0.00014629	No
						Gadd45gip1	57.3585	111.445	0.958253	57.3595	111.446	0.95824048	0.00014629	No
						Gak	59.2693	38.5697	-0.61982	59.2703	38.5707	-0.619804	0.0191214	No
						Galc	2.94053	6.82741	1.21526	2.94153	6.82841	1.21498294	0.00014629	No
						Galk1	11.2128	36.317	1.6955	11.2138	36.318	1.69540951	0.00014629	No
						Galk2	20.3604	59.6889	1.5517	20.3614	59.6899	1.55165008	0.00028114	No
						Galm	11.9027	97.763	3.038	11.9037	97.764	3.03789324	0.00014629	No
						Galnt1	42.3199	12.4794	-1.76178	42.3209	12.4804	-1.7617061	0.00014629	No
						Galnt10	24.8967	6.05632	-2.03944	24.8977	6.05732	-2.0392609	0.00014629	No
						Galnt11	24.9799	55.5491	1.15299	24.9809	55.5501	1.15296405	0.00014629	No
						Galnt12	10.4462	1.74068	-2.58526	10.4472	1.74168	-2.5845648	0.00014629	No
						Galnt13	0	6.78959	inf	0.001	6.79059	12.7293212	0.00041099	No
						Galnt18	0	85.3911	inf	0.001	85.3921	16.381815	0.00014629	No
						Galnt3	0.126258	6.82363	5.7561	0.127258	6.82463	5.74492257	0.00014629	No
						Galnt6	34.6224	5.77991	-2.58259	34.6234	5.78091	-2.5823789	0.00014629	No
						Galnt7	7.48309	2.28374	-1.71224	7.48409	2.28474	-1.7117969	0.00014629	No
						Galt	26.2075	112.124	2.09704	26.2085	112.125	2.09700129	0.00014629	No
						Gan	3.08056	1.77008	-0.79938	3.08156	1.77108	-0.7990315	0.00053701	No
						Ganab	69.9574	40.3958	-0.792272	69.9584	40.3968	-0.7922563	0.00014629	No
						Ganc	11.897	5.93773	-1.00262	11.898	5.93873	-1.0024927	0.0412124	No
						Gapvd1	17.6591	12.1556	-0.538788	17.6601	12.1566	-0.5387537	0.0333042	No
						Garnl3	7.3764	23.8384	1.6923	7.3774	23.8394	1.69216356	0.0209112	No
						Gart	33.8833	9.58535	-1.82167	33.8843	9.58635	-1.8215634	0.00014629	No
						Gas1	0	3.61742	inf	0.001	3.61842	11.8211442	0.00014629	No
						Gas2	0.179052	8.66575	5.59687	0.180052	8.66675	5.58900556	0.00014629	No
						Gas7	1.26362	0.498154	-1.3429	1.26462	0.499154	-1.341147	0.00207488	No
						Gas8	0.631403	6.48682	3.36088	0.632403	6.48782	3.35881768	0.00363169	No
						Gatad2a	30.0856	13.9006	-1.11393	30.0866	13.9016	-1.1138701	0.00014629	No
						Gatad2b	68.5618	10.0674	-2.76772	68.5628	10.0684	-2.7675916	0.00014629	No
						Gatc	7.34877	17.0568	1.21477	7.34977	17.0578	1.21466058	0.00513162	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gatm	0.143314	977.487	12.7357	0.144314	977.488	12.725652	0.00195831	No
						Gatsl2	3.26681	0.465444	-2.81121	3.26781	0.466444	-2.8085483	0.00014629	No
						Gba3	0	95.9269	inf	0.001	95.9279	16.5496629	0.00014629	No
						Gbas	38.4679	82.3779	1.0986	38.4689	82.3789	1.09858229	0.00014629	No
						Gbp2	30.1225	6.42831	-2.22833	30.1235	6.42931	-2.2281536	0.00014629	No
						Gbp4	3.83517	1.75745	-1.12581	3.83617	1.75845	-1.1253623	0.00566132	No
						Gbp5	40.0261	1.76648	-4.50199	40.0271	1.76748	-4.5012113	0.00014629	No
						Gbp7	81.8746	2.55467	-5.00221	81.8756	2.55567	-5.0016601	0.00014629	No
						Gc	0	2.66033	inf	0.001	2.66133	11.3779317	0.00014629	No
						Gca	0.74498	15.3921	4.36884	0.74598	15.3931	4.36700304	0.00014629	No
						Gcat	0.541143	23.7035	5.45294	0.542143	23.7045	5.45034371	0.00028114	No
						Gcc2	5.59255	3.98232	-0.4899	5.59355	3.98332	-0.4897928	0.0343574	No
						Gcdh	11.6419	198.373	4.09082	11.6429	198.374	4.0907006	0.00014629	No
						Gcfc2	7.73722	3.70373	-1.06284	7.73822	3.70473	-1.0626333	0.00014629	No
						Gclc	11.5001	250.494	4.44506	11.5011	250.495	4.44493805	0.00014629	No
						Gclm	7.93706	138.877	4.12905	7.93806	138.878	4.1288878	0.00014629	No
						Gcm1	0	1.49421	inf	0.001	1.49521	10.5461324	0.00014629	No
						Gcsh	6.95554	224.03	5.00939	6.95654	224.031	5.00918464	0.00014629	No
						Gda	8.35839	1.302	-2.6825	8.35939	1.303	-2.6815606	0.0301422	No
						Gdap2	6.91872	3.9908	-0.793829	6.91972	3.9918	-0.7936742	0.00618538	No
						Gde1	21.3022	65.4579	1.61956	21.3032	65.4589	1.6195192	0.00014629	No
						Gdi1	241.225	100.235	-1.267	241.226	100.236	-1.2669847	0.00014629	No
						Gdpd5	0.37551	2.59319	2.78781	0.37651	2.59419	2.78452406	0.00066215	No
						Gemin2	23.7334	13.4181	-0.822738	23.7344	13.4191	-0.8226917	0.00207488	No
						Gemin6	6.01532	34.2779	2.51057	6.01632	34.2789	2.51036761	0.00014629	No
						Gemin8	7.58307	15.9904	1.07635	7.58407	15.9914	1.07625206	0.00173187	No
						Get4	13.147	21.2701	0.694093	13.148	21.2711	0.69405128	0.00230432	No
						Gfm1	13.4346	33.0644	1.29932	13.4356	33.0654	1.2992616	0.00014629	No
						Gfra2	0.110125	1.08877	3.30549	0.111125	1.08977	3.29376836	0.00761239	No
						Gfra3	73.5854	32.2078	-1.19201	73.5864	32.2088	-1.1919842	0.00014629	No
						Gga1	26.2681	45.1667	0.781951	26.2691	45.1677	0.78192468	0.00296747	No
						Gga2	21.7106	35.0042	0.689129	21.7116	35.0052	0.6891032	0.00138312	No
						Ggact	19.7835	56.143	1.50481	19.7845	56.144	1.50476125	0.00014629	No
						Ggct	22.3259	409.554	4.19726	22.3269	409.555	4.19720235	0.00014629	No
						Ggcx	4.6626	11.1978	1.26401	4.6636	11.1988	1.26382819	0.00014629	No
						Ggh	2.44591	45.1659	4.20679	2.44691	45.1669	4.20623296	0.00014629	No
						GGNBP2	60.6504	27.113	-1.16153	60.6514	27.114	-1.161503	0.00014629	No
						Ggps1	14.7441	3.60447	-2.03228	14.7451	3.60547	-2.0319764	0.00014629	No
						Ggt1	2.6323	129.918	5.62513	2.6333	129.919	5.62459673	0.00014629	No
						Ggt6	0	1.21892	inf	0.001	1.21992	10.2525708	0.00014629	No
						Ggt7	2.02048	0.290347	-2.79885	2.02148	0.291347	-2.7946016	0.0117565	No
						Ghdc	1.449	5.48353	1.92004	1.45	5.48453	1.91931509	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ghitm	120.392	199.056	0.725429	120.393	199.057	0.72543009	0.00114835	No
						Ghrhr	0	24.7614	inf	0.001	24.7624	14.5958635	0.00014629	No
						Gimap1	77.0562	6.79624	-3.5031	77.0572	6.79724	-3.5029088	0.00014629	No
						Gimap4	194.447	7.41394	-4.71299	194.448	7.41494	-4.7128056	0.00014629	No
						GIMAP5	189.663	3.81246	-5.63657	189.664	3.81346	-5.6362015	0.00014629	No
						Gimap6	154.421	4.78241	-5.01299	154.422	4.78341	-5.012695	0.00014629	No
						Gimap7	487.976	13.5221	-5.17342	487.977	13.5231	-5.1733153	0.00014629	No
						Gimap8	86.8439	1.65854	-5.71044	86.8449	1.65954	-5.7095858	0.00014629	No
						Gimap9	98.2154	2.42046	-5.3426	98.2164	2.42146	-5.3420149	0.00014629	No
						Ginm1	17.3246	28.2234	0.704066	17.3256	28.2244	0.7040376	0.00405996	No
						Giot1	10.1462	2.40665	-2.07584	10.1472	2.40765	-2.0753841	0.00014629	No
						Gipc1	21.0959	51.3204	1.28257	21.0969	51.3214	1.2825295	0.00014629	No
						Git1	20.4854	27.3146	0.415078	20.4864	27.3156	0.41505863	0.0401648	No
						Git2	113.843	35.1187	-1.69673	113.844	35.1197	-1.6967058	0.00014629	No
						Gja1	0.0675297	1.91407	4.82498	0.0685297	1.91507	4.80452395	0.00491494	No
						Gja4	0	4.81165	inf	0.001	4.81265	12.2326158	0.00014629	No
						Gjb2	0.175878	12.5269	6.15431	0.176878	12.5279	6.14624617	0.00138312	No
						Gjb4	0	2.07694	inf	0.001	2.07794	11.0209383	0.00014629	No
						Gk	2.73227	30.734	3.49166	2.73327	30.735	3.4911826	0.00014629	No
						Gkap1	8.25261	46.2578	2.48677	8.25361	46.2588	2.48663067	0.00014629	No
						Glb1	34.4467	328.351	3.2528	34.4477	328.352	3.25276368	0.00014629	No
						Glcci1	32.2819	8.39096	-1.94382	32.2829	8.39196	-1.9436905	0.00014629	No
						Glce	10.9934	2.85499	-1.94509	10.9944	2.85599	-1.944706	0.00014629	No
						Gldc	0.143724	15.1299	6.71795	0.144724	15.1309	6.7080498	0.00114835	No
						Gle1	47.6746	26.4311	-0.850984	47.6756	26.4321	-0.85096	0.00384649	No
						Glg1	15.8346	4.47299	-1.82377	15.8356	4.47399	-1.8235376	0.00014629	No
						Glpr1	177.937	4.53446	-5.29429	177.938	4.53546	-5.293982	0.00014629	No
						Glo1	120.365	85.6069	-0.491616	120.366	85.6079	-0.4916121	0.016989	No
						Glod5	12.2656	83.3469	2.76452	12.2666	83.3479	2.76441043	0.00014629	No
						Glrx	67.505	14.0567	-2.26374	67.506	14.0577	-2.2636552	0.00014629	No
						Glrx5	31.173	162.201	2.37942	31.174	162.202	2.37937642	0.00014629	No
						Gls2	0.328393	2.72024	3.05023	0.329393	2.72124	3.0463824	0.00502315	No
						Glt1d1	0	1.42255	inf	0.001	1.42355	10.4752775	0.00761239	No
						Glt8d1	11.0722	21.9996	0.990534	11.0732	22.0006	0.99047067	0.00352183	No
						GltP	53.4669	37.4175	-0.514936	53.4679	37.4185	-0.5149213	0.0122504	No
						Gltscr1	26.2449	8.69904	-1.59311	26.2459	8.70004	-1.5929981	0.00014629	No
						Gltscr2	186.96	133.272	-0.488354	186.961	133.273	-0.4883528	0.0105557	No
						Glud1	94.6631	160.874	0.765055	94.6641	160.875	0.76505084	0.00041099	No
						Glul	180.492	308.494	0.773304	180.493	308.495	0.77330422	0.00014629	No
						Glyatl2	0	41.9757	inf	0.001	41.9767	15.3573011	0.00014629	No
						Glyctk	1.66495	67.0177	5.33099	1.66595	67.0187	5.3301467	0.00014629	No
						Glyr1	59.8425	197.831	1.72503	59.8435	197.832	1.72500935	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gm101	0	3.83367	inf	0.001	3.83467	11.9048867	0.00014629	No
						Gm11992	7.78618	33.7585	2.11626	7.78718	33.7595	2.11612066	0.00014629	No
						Gm14378	42.832	9.80422	-2.12721	42.833	9.80522	-2.1271008	0.00014629	No
						Gm17615	2.90988	66.5523	4.51546	2.91088	66.5533	4.51498293	0.00014629	No
						Gm20654	0.241438	6.91127	4.83922	0.242438	6.91227	4.83347182	0.0252454	No
						Gm2a	76.5822	36.8131	-1.05679	76.5832	36.8141	-1.0567695	0.00014629	No
						Gm527	1.89705	0.749958	-1.33887	1.89805	0.750958	-1.3377139	0.029796	No
						Gmcl1	37.6619	21.7548	-0.79177	37.6629	21.7558	-0.791744	0.00014629	No
						Gmds	7.83217	16.7397	1.09579	7.83317	16.7407	1.09569168	0.00491494	No
						Gmeb2	10.3472	3.42027	-1.59706	10.3482	3.42127	-1.596776	0.00014629	No
						Gmfb	42.5997	22.637	-0.912161	42.6007	22.638	-0.9121306	0.00014629	No
						Gmfg	820.799	84.4939	-3.28011	820.8	84.4949	-3.2800946	0.00014629	No
						Gmppa	18.086	68.59	1.92312	18.087	68.591	1.92306615	0.00014629	No
						Gmpr	0.351219	22.2149	5.98301	0.352219	22.2159	5.97897604	0.00066215	No
						Gna11	5.61175	26.1088	2.21801	5.61275	26.1098	2.2178117	0.037924	No
						Gna12	3.37386	51.185	3.92325	3.37486	51.186	3.92284971	0.00014629	No
						Gna13	39.569	10.625	-1.89691	39.57	10.626	-1.8968084	0.00014629	No
						Gnai1	0.46161	28.9886	5.97267	0.46261	28.9896	5.96959516	0.00014629	No
						Gnai2	366.744	92.365	-1.98935	366.745	92.366	-1.9893435	0.00014629	No
						Gnai3	70.4853	31.7873	-1.14887	70.4863	31.7883	-1.148847	0.00014629	No
						Gnb1	98.0332	63.677	-0.622498	98.0342	63.678	-0.6224901	0.00597292	No
						Gnb2l1	2380.29	503.33	-2.24156	2380.291	503.331	-2.2415586	0.00014629	No
						Gne	41.3859	24.943	-0.730506	41.3869	24.944	-0.7304814	0.0336436	No
						Gng10	23.1088	41.7522	0.853407	23.1098	41.7532	0.853382	0.00014629	No
						Gng12	28.6232	113.83	1.99163	28.6242	113.831	1.99158623	0.0125475	No
						Gng2	36.4048	2.13037	-4.09496	36.4058	2.13137	-4.0943153	0.00014629	No
						Gng5	38.8881	59.9095	0.623457	38.8891	59.9105	0.62344303	0.0233164	No
						Gng7	0	7.62147	inf	0.001	7.62247	12.8960429	0.00014629	No
						Gnl3	59.2059	20.9838	-1.49646	59.2069	20.9848	-1.4964206	0.00066215	No
						Gnl3l	35.2616	14.5827	-1.27384	35.2626	14.5837	-1.2737821	0.00014629	No
						Gnpda1	14.0448	66.8566	2.25103	14.0458	66.8576	2.25095277	0.00014629	No
						Gnpda2	23.5811	3.92718	-2.58607	23.5821	3.92818	-2.5857593	0.00014629	No
						Gnptab	25.7463	11.1469	-1.20772	25.7473	11.1479	-1.2076492	0.0443573	No
						Gnptg	17.7619	56.5151	1.66985	17.7629	56.5161	1.66979478	0.00114835	No
						Golga7	73.7806	52.1752	-0.499877	73.7816	52.1762	-0.4998692	0.0119499	No
						Golgb1	8.26013	60.9931	2.88441	8.26113	60.9941	2.88425866	0.00014629	No
						Golm1	33.7269	20.8017	-0.6972	33.7279	20.8027	-0.6971717	0.00041099	No
						Golt1a	0	23.9258	inf	0.001	23.9268	14.5463398	0.00014629	No
						Golt1b	20.2942	8.9082	-1.18786	20.2952	8.9092	-1.1877708	0.00014629	No
						Gon4l	14.5775	7.72388	-0.916344	14.5785	7.72488	-0.9162579	0.0423845	No
						Gopc	15.9656	10.9704	-0.541359	15.9666	10.9714	-0.5413095	0.00984666	No
						Gorasp1	0.542908	21.1364	5.28288	0.543908	21.1374	5.28029147	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gosr2	38.8039	64.871	0.741371	38.8049	64.872	0.74135708	0.00014629	No
						Got1	22.8071	98.2968	2.10766	22.8081	98.2978	2.10761286	0.00014629	No
						Got2	53.1143	129.069	1.28097	53.1153	129.07	1.28095431	0.00014629	No
						Gp2	0	7.64996	inf	0.001	7.65096	12.9014251	0.00014629	No
						Gpam	0.898536	7.22227	3.0068	0.899536	7.22327	3.00539917	0.00014629	No
						Gpatch2l	14.3506	6.20474	-1.20967	14.3516	6.20574	-1.2095364	0.00078603	No
						Gpatch8	18.7187	6.05522	-1.62823	18.7197	6.05622	-1.6280678	0.00014629	No
						Gbp1	63.8495	22.7025	-1.49183	63.8505	22.7035	-1.4917832	0.00014629	No
						GPBP1L1	68.1148	20.6863	-1.71929	68.1158	20.6873	-1.7192441	0.00014629	No
						Gpc4	0	55.8171	inf	0.001	55.8181	15.7684454	0.00014629	No
						Gpcpd1	42.5697	10.8504	-1.97208	42.5707	10.8514	-1.9719796	0.00014629	No
						Gpd1l	9.32205	18.1523	0.961434	9.32305	18.1533	0.96135792	0.00014629	No
						Gphn	1.49342	17.3615	3.53919	1.49442	17.3625	3.53831712	0.00014629	No
						Gpi	200.853	325.582	0.696885	200.854	325.583	0.69687818	0.00014629	No
						Gpkow	16.5281	7.40839	-1.15769	16.5291	7.40939	-1.1575815	0.00014629	No
						Gpld1	1.23647	4.87322	1.97865	1.23747	4.87422	1.97777782	0.00090728	No
						Gpm6a	0	11.0682	inf	0.001	11.0692	13.4342633	0.00014629	No
						Gpnmb	0.171377	3.6692	4.42022	0.172377	3.6702	4.41221949	0.00195831	No
						Gpr108	52.4072	109.234	1.05959	52.4082	109.235	1.05957072	0.00090728	No
						Gpr114	7.80336	0.911296	-3.0981	7.80436	0.912296	-3.0967064	0.0418048	No
						Gpr116	0	8.13683	inf	0.001	8.13783	12.9904284	0.00014629	No
						Gpr125	0.291132	28.8616	6.63133	0.292132	28.8626	6.62643706	0.00014629	No
						Gpr126	0.00685739	7.09262	10.0144	0.00785739	7.09362	9.81825616	0.0370518	No
						Gpr132	33.4021	2.50934	-3.73456	33.4031	2.51034	-3.7340273	0.00014629	No
						Gpr133	1.59655	0.507542	-1.65335	1.59755	0.508542	-1.6514223	0.00618538	No
						Gpr137b	0.134382	13.3932	6.63902	0.135382	13.3942	6.62842867	0.00014629	No
						Gpr171	30.249	3.08688	-3.29266	30.25	3.08788	-3.2922465	0.00014629	No
						Gpr174	16.2073	0.275586	-5.87799	16.2083	0.276586	-5.8728608	0.00014629	No
						Gpr176	0.101489	2.78037	4.77588	0.102489	2.78137	4.7622547	0.00126596	No
						Gpr183	34.3548	2.15877	-3.99223	34.3558	2.15977	-3.9916041	0.00438237	No
						Gpr25	1.28984	0	-inf	1.29084	0.001	-10.334094	0.00014629	No
						Gpr35	0.917515	0	-inf	0.918515	0.001	-9.8431595	0.00014629	No
						Gpr55	0.943215	0	-inf	0.944215	0.001	-9.8829716	0.00014629	No
						Gpr56	0.121759	110.713	9.82857	0.122759	110.714	9.81679315	0.00014629	No
						Gpr65	10.0949	0.65247	-3.95158	10.0959	0.65347	-3.9495047	0.00014629	No
						Gpr68	21.058	0.715159	-4.87996	21.059	0.716159	-4.8780132	0.00014629	No
						Gprin3	4.53663	0.235091	-4.27033	4.53763	0.236091	-4.264524	0.00014629	No
						Gps1	29.6578	55.8277	0.912567	29.6588	55.8287	0.91254674	0.00014629	No
						Gpsm2	0.439405	1.91458	2.1234	0.440405	1.91558	2.12087852	0.00669647	No
						Gpt	0.959077	21.7787	4.50513	0.960077	21.7797	4.50369015	0.00014629	No
						Gpx1	129.628	1169.58	3.17354	129.629	1169.581	3.17353137	0.00014629	No
						GPX4	102.589	491.577	2.26054	102.59	491.578	2.26053024	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gpx8	0	25.5969	inf	0.001	25.5979	14.6437378	0.00014629	No
						Gramd1a	238.069	54.6326	-2.12354	238.07	54.6336	-2.1235254	0.00014629	No
						Gramd3	0.185005	7.02256	5.24636	0.186005	7.02356	5.23878916	0.00014629	No
						Gramd4	49.5334	10.5262	-2.23442	49.5344	10.5272	-2.234309	0.00014629	No
						Grap	135.924	8.19615	-4.05171	135.925	8.19715	-4.0515446	0.00014629	No
						Grap2	99.4777	2.12536	-5.54859	99.4787	2.12636	-5.5479299	0.00014629	No
						Grb14	0.521493	2.49174	2.25643	0.522493	2.49274	2.2542488	0.00395247	No
						Grb2	90.7953	37.0091	-1.29474	90.7963	37.0101	-1.2947145	0.00014629	No
						Grb7	0.47475	26.3299	5.79339	0.47575	26.3309	5.79040937	0.00014629	No
						Greb1	0.14464	0.891423	2.62364	0.14564	0.892423	2.61532105	0.00149937	No
						GREM1	0	5.62688	inf	0.001	5.62788	12.4583759	0.00014629	No
						Grhl3	0.534553	2.08438	1.96322	0.535553	2.08538	1.96120904	0.00207488	No
						Grhpr	6.91318	1019.59	7.20443	6.91418	1019.591	7.20421667	0.00014629	No
						Grina	92.726	163.795	0.820845	92.727	163.796	0.82083874	0.00014629	No
						Grip1	0.00775651	1.43051	7.5269	0.00875651	1.43151	7.35296605	0.0294333	No
						Gripap1	32.5744	17.4987	-0.896488	32.5754	17.4997	-0.8964527	0.00014629	No
						Grk6	266.104	25.913	-3.36025	266.105	25.914	-3.360192	0.00014629	No
						Grn	25.9043	96.5686	1.89836	25.9053	96.5696	1.89832181	0.00014629	No
						Grpel1	25.8002	89.2339	1.79021	25.8012	89.2349	1.7901699	0.00014629	No
						Gsdma	4.31597	24.4034	2.49933	4.31697	24.4044	2.49905031	0.00014629	No
						Gsdmd	20.0771	4.38541	-2.19477	20.0781	4.38641	-2.1945102	0.00014629	No
						Gsg2	29.2313	1.53668	-4.24963	29.2323	1.53768	-4.2487361	0.0115547	No
						Gsk3a	64.2724	26.9107	-1.25602	64.2734	26.9117	-1.2559883	0.00014629	No
						Gsk3b	19.1163	10.1675	-0.910838	19.1173	10.1685	-0.9107719	0.00078603	No
						Gsn	29.5904	42.5277	0.523273	29.5914	42.5287	0.5232588	0.0089386	No
						GSPT1	55.9228	32.8672	-0.766786	55.9238	32.8682	-0.7667699	0.00184429	No
						Gsr	20.4402	133.941	2.71212	20.4412	133.942	2.71205662	0.00014629	No
						Gss	7.54502	153.267	4.34437	7.54602	153.268	4.34419678	0.00014629	No
						GSTA1	0	403.109	inf	0.001	403.11	18.620814	0.00363169	No
						Gsta3	0	53.0091	inf	0.001	53.0101	15.6939796	0.0108581	No
						Gsta4	0	309.035	inf	0.001	309.036	18.2374154	0.00014629	No
						GSTA6	8.1418	47.8279	2.55443	8.1428	47.8289	2.55428574	0.00014629	No
						Gstk1	1.76768	54.3526	4.94242	1.76868	54.3536	4.94163064	0.00014629	No
						Gstm4	8.52164	15.5888	0.871308	8.52264	15.5898	0.87123012	0.00149937	No
						Gstm7	0.776869	27.456	5.14331	0.777869	27.457	5.14150298	0.00014629	No
						Gstp1	239.296	431.065	0.849109	239.297	431.066	0.84910647	0.00014629	No
						GSTT2	12.2343	58.2924	2.25238	12.2353	58.2934	2.25228307	0.00014629	No
						Gstz1	6.50631	63.0932	3.27757	6.50731	63.0942	3.2773742	0.00041099	No
						Gtdc1	10.534	4.84346	-1.12095	10.535	4.84446	-1.1207825	0.00078603	No
						Gtf2e1	6.36556	3.93361	-0.694434	6.36656	3.93461	-0.6942934	0.0182953	No
						Gtf2f1	27.7008	86.0278	1.63487	27.7018	86.0288	1.63483999	0.00014629	No
						Gtf2h1	23.2747	12.6596	-0.878532	23.2757	12.6606	-0.8784788	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gtf2h4	6.08967	17.8787	1.55381	6.09067	17.8797	1.55364969	0.00014629	No
						Gtf2h5	17.7024	36.7496	1.05378	17.7034	36.7506	1.05374134	0.00014629	No
						Gtf2i	144.695	87.8588	-0.719757	144.696	87.8598	-0.7197499	0.004167	No
						GTF2IRD2	8.66573	3.16329	-1.4539	8.66673	3.16429	-1.4536059	0.00014629	No
						Gtf3c1	27.3569	10.9175	-1.32527	27.3579	10.9185	-1.3251828	0.00014629	No
						Gtf3c2	81.8847	40.1398	-1.02856	81.8857	40.1408	-1.0285422	0.00219102	No
						Gtf3c4	7.69852	2.74846	-1.48596	7.69952	2.74946	-1.4856202	0.00014629	No
						Gtpbp1	16.6831	11.9563	-0.480618	16.6841	11.9573	-0.4805822	0.0391221	No
						Gtpbp4	20.3204	11.061	-0.877447	20.3214	11.062	-0.8773875	0.00149937	No
						Guca2b	0	3.98774	inf	0.001	3.98874	11.9617174	0.00014629	No
						GUCD1	6.56122	27.3205	2.05795	6.56222	27.3215	2.05778083	0.00014629	No
						Gucy1b2	0.032288	40.4566	10.2912	0.033288	40.4576	10.2471928	0.00014629	No
						Guk1	56.83	125.181	1.1393	56.831	125.182	1.13927712	0.00014629	No
						Gulp1	0	7.56272	inf	0.001	7.56372	12.8848802	0.00014629	No
						Gxylt1	18.4434	5.60678	-1.71786	18.4444	5.60778	-1.7176812	0.00014629	No
						Gyg1	7.22062	14.9749	1.05235	7.22162	14.9759	1.05224829	0.00126596	No
						Gylt1b	1.62196	17.1085	3.3989	1.62296	17.1095	3.39809825	0.00014629	No
						Gypc	9.07741	2.56433	-1.8237	9.07841	2.56533	-1.8232952	0.00014629	No
						Gys1	0.650273	7.64282	3.55499	0.651273	7.64382	3.55295948	0.00014629	No
						Gzma	7.18957	2.36505	-1.60403	7.19057	2.36605	-1.6036256	0.0119499	No
						Gzmk	25.1843	4.33209	-2.53939	25.1853	4.33309	-2.5391138	0.00014629	No
						Gzmm	103.235	21.0377	-2.29489	103.236	21.0387	-2.2948287	0.00014629	No
						H1fx	22.5734	56.7527	1.33006	22.5744	56.7537	1.33002681	0.00014629	No
						H2afj	42.7099	182.321	2.09384	42.7109	182.322	2.09381245	0.00014629	No
						H2afy	181.589	70.8232	-1.35838	181.59	70.8242	-1.3583705	0.0119499	No
						H2afz	194.633	73.7475	-1.40009	194.634	73.7485	-1.4000781	0.00014629	No
						H3f3b	720.761	502.209	-0.521232	720.762	502.21	-0.5212322	0.0209112	No
						H3f3c	322.498	169.77	-0.925708	322.499	169.771	-0.9257046	0.00014629	No
						H6pd	0.496811	10.1971	4.35931	0.497811	10.1981	4.35655847	0.00014629	No
						Hacl1	2.40606	22.3115	3.21304	2.40706	22.3125	3.21250816	0.00014629	No
						Hadh	20.134	170.811	3.0847	20.135	170.812	3.08463195	0.00014629	No
						Hadha	66.1764	154.477	1.223	66.1774	154.478	1.22299087	0.00014629	No
						Hadhb	44.432	106.221	1.25739	44.433	106.222	1.25737914	0.00014629	No
						Hagh	12.0787	153.58	3.66846	12.0797	153.581	3.66834322	0.00014629	No
						Hap1	10.664	0.529087	-4.3331	10.665	0.530087	-4.330511	0.0184724	No
						Haus1	6.6922	1.54163	-2.11803	6.6932	1.54263	-2.1173041	0.00014629	No
						Haus6	3.78577	0.879401	-2.10599	3.78677	0.880401	-2.1047351	0.00014629	No
						HAUS7	6.55534	23.3271	1.83126	6.55634	23.3281	1.83110623	0.0132409	No
						Haus8	8.90946	23.9566	1.42702	8.91046	23.9576	1.42691157	0.00041099	No
						Havcr1	0.151148	4.86318	5.00787	0.152148	4.86418	4.99864934	0.00028114	No
						Hba1	42.6238	1542.76	5.17771	42.6248	1542.761	5.17767771	0.00014629	No
						Hba2	22.3302	877.818	5.29686	22.3312	877.819	5.29679081	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hbb	18.8887	362.412	4.26203	18.8897	362.413	4.26196301	0.00014629	No
						Hbp1	35.3236	21.7175	-0.701771	35.3246	21.7185	-0.7017488	0.00184429	No
						Hck	1.72563	3.6908	1.09681	1.72663	3.6918	1.09636544	0.0167011	No
						Hcls1	120.335	23.499	-2.35638	120.336	23.5	-2.3563356	0.00014629	No
						Hdac1	88.1833	40.4459	-1.12451	88.1843	40.4469	-1.1244927	0.00014629	No
						Hdac11	0.229504	21.8959	6.576	0.230504	21.8969	6.56979104	0.00014629	No
						Hdac2	60.2698	37.2153	-0.69554	60.2708	37.2163	-0.6955246	0.00053701	No
						Hdac4	7.28812	1.75495	-2.05412	7.28912	1.75595	-2.0534929	0.00014629	No
						Hdac7	47.6057	10.5606	-2.17244	47.6067	10.5616	-2.1723362	0.00014629	No
						Hddc3	3.03282	36.7536	3.59916	3.03382	36.7546	3.59871742	0.00014629	No
						Hdgfrp3	9.59196	2.28295	-2.07093	9.59296	2.28395	-2.070445	0.00014629	No
						Hdhd3	0.310256	15.8565	5.67547	0.311256	15.8575	5.67091988	0.0223869	No
						Hdlbp	33.9815	64.3063	0.920212	33.9825	64.3073	0.92019053	0.00014629	No
						Heatr3	8.75967	3.49382	-1.32607	8.76067	3.49482	-1.3258231	0.00296747	No
						Heatr5b	6.56139	3.67573	-0.83597	6.56239	3.67673	-0.8357981	0.00028114	No
						Heatr6	8.10561	5.43982	-0.575362	8.10661	5.44082	-0.5752746	0.0327779	No
						HEBP1	1.25059	7.81292	2.64325	1.25159	7.81392	2.64228445	0.00138312	No
						Hebp2	5.62104	1.99146	-1.49701	5.62204	1.99246	-1.496543	0.00823262	No
						Heca	197.634	8.05497	-4.61681	197.635	8.05597	-4.6166363	0.00014629	No
						Hectd1	34.0542	14.0351	-1.27879	34.0552	14.0361	-1.278733	0.00014629	No
						Helb	23.4517	4.21808	-2.47504	23.4527	4.21908	-2.4747537	0.00014629	No
						Helz	17.466	5.44117	-1.68256	17.467	5.44217	-1.6823779	0.00014629	No
						Helz2	26.9544	6.90138	-1.96556	26.9554	6.90238	-1.9654085	0.00014629	No
						Hemk1	7.30321	15.2692	1.06403	7.30421	15.2702	1.06391881	0.00184429	No
						Hepacam2	3.07538	10.2625	1.73854	3.07638	10.2635	1.73821717	0.0129486	No
						Herc1	50.9293	10.2623	-2.31115	50.9303	10.2633	-2.3110295	0.00296747	No
						Herc2	35.843	16.2975	-1.13704	35.844	16.2985	-1.1369924	0.00241835	No
						Herc3	14.1449	6.91088	-1.03334	14.1459	6.91188	-1.0332339	0.00041099	No
						Herc4	29.4955	10.0693	-1.55054	29.4965	10.0703	-1.5504371	0.00014629	No
						Herc6	20.9614	2.19586	-3.25488	20.9624	2.19686	-3.2542891	0.00014629	No
						Herpud2	40.3695	12.2293	-1.72293	40.3705	12.2303	-1.7228417	0.00014629	No
						Hes1	0.149132	55.281	8.53405	0.150132	55.282	8.52443449	0.00864487	No
						Hes6	21.2604	89.3916	2.07197	21.2614	89.3926	2.07191881	0.00014629	No
						Hexa	20.9903	118.112	2.49236	20.9913	118.113	2.49230434	0.00014629	No
						Hexb	6.38688	62.7849	3.29723	6.38788	62.7859	3.29703149	0.00014629	No
						Hexdc	50.1905	162.616	1.69598	50.1915	162.617	1.69596312	0.00014629	No
						Hey1	0	1.1931	inf	0.001	1.1941	10.2217079	0.00014629	No
						Heyl	0	4.9266	inf	0.001	4.9276	12.2666694	0.00014629	No
						Hfe	0.0591171	1.50713	4.67209	0.0601171	1.50813	4.64884157	0.0380071	No
						Hgd	0	423.203	inf	0.001	423.204	18.6909937	0.00014629	No
						Hgfac	0	5.25616	inf	0.001	5.25716	12.3600679	0.00014629	No
						Hgs	19.9122	74.4443	1.90251	19.9132	74.4453	1.90245569	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hgsnat	43.3354	19.8256	-1.12818	43.3364	19.8266	-1.128142	0.00014629	No
						Hhat	0.558009	12.0546	4.43315	0.559009	12.0556	4.43068813	0.0431512	No
						Hiat1	42.4669	16.4006	-1.37259	42.4679	16.4016	-1.3725362	0.00014629	No
						Hiat1l	15.2098	8.94979	-0.765074	15.2108	8.95079	-0.7650091	0.00149937	No
						Hibadh	39.9078	203.562	2.35073	39.9088	203.563	2.35069655	0.00014629	No
						Hibch	8.27232	16.7329	1.01632	8.27332	16.7339	1.01623543	0.00066215	No
						Hif1a	51.9426	18.8476	-1.46254	51.9436	18.8486	-1.4624886	0.00014629	No
						Higd1a	20.498	53.9417	1.39592	20.499	53.9427	1.3958742	0.00028114	No
						Higd2a	76.3144	131.803	0.788355	76.3154	131.804	0.78834804	0.00028114	No
						Hint3	9.65569	16.2966	0.755117	9.65669	16.2976	0.75505886	0.0243269	No
						Hip1	0.352399	3.29601	3.22544	0.353399	3.29701	3.2217884	0.00014629	No
						Hip1r	32.8646	11.3502	-1.53381	32.8656	11.3512	-1.5337335	0.00014629	No
						Hipk1	70.6734	12.2603	-2.52717	70.6744	12.2613	-2.5270758	0.00014629	No
						Hipk4	0.0677659	1.46994	4.43906	0.0687659	1.47094	4.41890126	0.0287968	No
						Hira	12.1667	4.6885	-1.37575	12.1677	4.6895	-1.3755505	0.00014629	No
						Hist1h2ail1	1.01518	5.41987	2.41652	1.01618	5.42087	2.41536843	0.038352	No
						Hist1h2bq	49.3657	151.381	1.6166	49.3667	151.382	1.61658356	0.00078603	No
						HIST1H4B	1.18449	11.3793	3.26407	1.18549	11.3803	3.26298319	0.0229551	No
						Hist2h2aa3	34.9764	294.108	3.07189	34.9774	294.109	3.07185598	0.00014629	No
						HIST2H3C2	1.83136	9.66286	2.39954	1.83236	9.66386	2.39889658	0.0281556	No
						Hist3h2a	7.70657	28.8588	1.90485	7.70757	28.8598	1.90471331	0.00014629	No
						Hist3h2ba	9.45108	3.17212	-1.57503	9.45208	3.17312	-1.5747298	0.043497	No
						Hivep1	5.7558	2.50219	-1.20182	5.7568	2.50319	-1.2014993	0.00014629	No
						Hivep2	10.7154	1.66978	-2.68196	10.7164	1.67078	-2.6812267	0.00014629	No
						Hk1	28.8811	44.8458	0.634849	28.8821	44.8468	0.6348294	0.00207488	No
						Hk2	5.61767	1.21125	-2.21348	5.61867	1.21225	-2.2125414	0.00014629	No
						Hlcs	4.65683	1.70902	-1.44618	4.65783	1.71002	-1.4456448	0.00014629	No
						Hltf	30.1207	4.98375	-2.59545	30.1217	4.98475	-2.5952101	0.00014629	No
						Hm13	96.1599	219.455	1.19042	96.1609	219.456	1.19040941	0.00014629	No
						Hmbox1	16.0463	4.99499	-1.68369	16.0473	4.99599	-1.6834881	0.00014629	No
						Hmbs	10.167	29.7217	1.54762	10.168	29.7227	1.54752924	0.00014629	No
						Hmces	14.0544	24.9496	0.827992	14.0554	24.9506	0.82795	0.00597292	No
						Hmcn2	0	1.67965	inf	0.001	1.68065	10.7148036	0.00014629	No
						Hmg20a	53.8142	9.8829	-2.44498	53.8152	9.8839	-2.4448614	0.00014629	No
						HMGB1	100.006	69.0956	-0.533417	100.007	69.0966	-0.5334144	0.0251567	No
						Hmgb2	470.719	39.9272	-3.55942	470.72	39.9282	-3.5593892	0.00014629	No
						Hmgcl	18.8086	86.9685	2.2091	18.8096	86.9695	2.20904037	0.00014629	No
						Hmgcr	15.4825	10.895	-0.506977	15.4835	10.896	-0.506933	0.029796	No
						Hmgn2	167.993	109.748	-0.614212	167.994	109.749	-0.6142019	0.00078603	No
						Hmgn3	24.1369	50.0259	1.05143	24.1379	50.0269	1.05140389	0.00014629	No
						Hmgxb3	10.6185	17.8904	0.752616	10.6195	17.8914	0.75255044	0.00149937	No
						Hmha1	329.165	57.6433	-2.51358	329.166	57.6443	-2.5135655	0.0313726	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hmox1	0.216679	7.76034	5.16249	0.217679	7.76134	5.15603162	0.00066215	No
						Hmox2	19.7631	56.6452	1.51915	19.7641	56.6462	1.51909692	0.00014629	No
						Hn1	105.998	40.5672	-1.38566	105.999	40.5682	-1.3856295	0.00014629	No
						Hnmt	0	18.7404	inf	0.001	18.7414	14.1939411	0.00014629	No
						Hnrnpa0	455.491	117.618	-1.95331	455.492	117.619	-1.9533046	0.00014629	No
						HNRNPA1	879.999	114.722	-2.93936	880	114.723	-2.9393489	0.00014629	No
						Hnrnpa2b1	639.67	238.945	-1.42065	639.671	238.946	-1.4206455	0.00014629	No
						Hnrnpab	136.753	92.5853	-0.562715	136.754	92.5863	-0.5627124	0.00395247	No
						Hnrnpdl	153.577	38.2425	-2.00572	153.578	38.2435	-2.0056851	0.00014629	No
						Hnrnpf	318.468	104.571	-1.60667	318.469	104.572	-1.6066563	0.00014629	No
						Hnrnp1	235.722	105.452	-1.16049	235.723	105.453	-1.1604924	0.00014629	No
						Hnrnp2	46.4451	23.2584	-0.997773	46.4461	23.2594	-0.9977436	0.00014629	No
						HNRNPH3	34.241	21.5406	-0.66867	34.242	21.5416	-0.6686416	0.00263402	No
						Hnrnpk	323.824	156.405	-1.04992	323.825	156.406	-1.0499185	0.00014629	No
						Hnrnpl	346.8	211.905	-0.710686	346.801	211.906	-0.7106836	0.00014629	No
						Hnrnpm	176.12	85.7644	-1.03811	176.121	85.7654	-1.0380993	0.00014629	No
						Hnrnpr	61.7512	31.1475	-0.987352	61.7522	31.1485	-0.9873278	0.00014629	No
						Hnrnpu	250.642	74.6828	-1.74678	250.643	74.6838	-1.7467667	0.00014629	No
						Hnrnpul2	94.3878	25.0291	-1.915	94.3888	25.0301	-1.9149516	0.00014629	No
						Hnrpd	215.786	72.5006	-1.57354	215.787	72.5016	-1.5735232	0.00014629	No
						Homer1	0.183187	2.35114	3.68198	0.184187	2.35214	3.67473079	0.00502315	No
						Homer2	0	9.26571	inf	0.001	9.26671	13.1778415	0.00014629	No
						Homer3	5.90972	27.1188	2.19813	5.91072	27.1198	2.19794075	0.00014629	No
						Hook1	0.450686	8.31838	4.20611	0.451686	8.31938	4.20308391	0.00014629	No
						Hook2	2.46954	83.1768	5.07387	2.47054	83.1778	5.07330021	0.00014629	No
						Hopx	10.5806	4.91944	-1.10486	10.5816	4.92044	-1.1046986	0.00438237	No
						Hormad2	1.64679	11.5149	2.80577	1.64779	11.5159	2.80502287	0.00014629	No
						Hoxa3	0	2.23519	inf	0.001	2.23619	11.1268271	0.00014629	No
						Hoxb2	0	36.1562	inf	0.001	36.1572	15.1419953	0.00014629	No
						Hp1bp3	89.5138	231.328	1.36976	89.5148	231.329	1.369748	0.0325224	No
						Hpgds	1.00902	0	-inf	1.01002	0.001	-9.9801681	0.00014629	No
						HPS1	17.6246	26.9467	0.612518	17.6256	26.9477	0.61248977	0.0355245	No
						Hps3	21.424	8.64415	-1.30943	21.425	8.64515	-1.3093323	0.0393825	No
						Hps4	9.52967	31.1478	1.70863	9.53067	31.1488	1.70852704	0.00014629	No
						Hps6	3.69503	2.07703	-0.831062	3.69603	2.07803	-0.83076	0.031196	No
						Hpse	19.7468	1.57908	-3.64446	19.7478	1.58008	-3.6436224	0.00014629	No
						Hr	0.170024	1.89615	3.47927	0.171024	1.89715	3.47156305	0.00341151	No
						Hrct1	0	9.07479	inf	0.001	9.07579	13.1478075	0.00014629	No
						Hrg	0	3.49745	inf	0.001	3.49845	11.7725002	0.00014629	No
						Hrsp12	33.9993	2042.46	5.90866	34.0003	2042.461	5.90861724	0.00014629	No
						Hs1bp3	5.6766	16.1372	1.50729	5.6776	16.1382	1.50712656	0.00014629	No
						Hs2st1	16.9023	6.23201	-1.43945	16.9033	6.23301	-1.439304	0.00014629	No

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						Hs3st1	4.10718	0.857804	-2.25943	4.10818	0.858804	-2.2580986	0.031283	No
						Hsbp1	68.7685	276.27	2.00626	68.7695	276.271	2.00624337	0.00014629	No
						Hscb	37.3424	20.3152	-0.878254	37.3434	20.3162	-0.8782227	0.00114835	No
						Hsd11b1	5.86357	151.755	4.69382	5.86457	151.756	4.69358442	0.00014629	No
						Hsd17b10	81.024	251.898	1.63642	81.025	251.899	1.63640637	0.00014629	No
						Hsd17b11	19.1968	36.9401	0.944318	19.1978	36.9411	0.94428583	0.00014629	No
						Hsd17b2	0	3.74535	inf	0.001	3.74635	11.87127	0.00014629	No
						Hsd17b4	16.5369	86.5899	2.38851	16.5379	86.5909	2.38843937	0.00014629	No
						Hsd17b8	71.3095	121.957	0.774206	71.3105	121.958	0.77419797	0.015456	No
						Hsd3b7	29.7914	16.9968	-0.809633	29.7924	16.9978	-0.8095963	0.00041099	No
						Hsdl1	20.3689	10.0765	-1.01537	20.3699	10.0775	-1.0153011	0.00014629	No
						Hsdl2	7.15028	42.5139	2.57186	7.15128	42.5149	2.57169515	0.00014629	No
						Hsf2	3.82572	9.33758	1.28732	3.82672	9.33858	1.28709485	0.00014629	No
						Hsh2d	23.7581	3.71684	-2.67627	23.7591	3.71784	-2.6759436	0.00014629	No
						Hsp90aa1	102.201	193.462	0.920635	102.202	193.463	0.92063425	0.00014629	No
						Hsp90b1	96.0101	126.85	0.401865	96.0111	126.851	0.40186178	0.0409578	No
						Hspa5	202.352	148.532	-0.446091	202.353	148.533	-0.4460907	0.024968	No
						Hspa9	54.085	100.488	0.893728	54.086	100.489	0.89371048	0.00014629	No
						Hspb6	5.16532	26.3134	2.34887	5.16632	26.3144	2.34864359	0.00014629	No
						Hspb8	0	3.01204	inf	0.001	3.01304	11.5570041	0.00014629	No
						Hspbap1	29.7255	44.6163	0.58587	29.7265	44.6173	0.5858536	0.0371418	No
						Hsbbp1	15.4944	42.8842	1.4687	15.4954	42.8852	1.46863985	0.00014629	No
						Hspd1	64.7021	190.754	1.55983	64.7031	190.755	1.55981413	0.00014629	No
						Hspe1	200.31	593.166	1.5662	200.311	593.167	1.56619669	0.00014629	No
						Hspg2	0.0131609	28.9012	11.1007	0.0141609	28.9022	10.9950506	0.00014629	No
						Htati2	15.8625	10.245	-0.630694	15.8635	10.246	-0.6306503	0.0360576	No
						Htatsf1	43.5132	23.1165	-0.912531	43.5142	23.1175	-0.9125009	0.00014629	No
						Htra1	0	37.2557	inf	0.001	37.2567	15.1852123	0.00014629	No
						Htt	8.91824	3.31844	-1.42626	8.91924	3.31944	-1.4259809	0.00014629	No
						Hunk	0	1.04009	inf	0.001	1.04109	10.0238791	0.00138312	No
						Huwe1	122.624	25.1295	-2.28679	122.625	25.1305	-2.2867419	0.00014629	No
						Hvcn1	3.55184	0	-inf	3.55284	0.001	-11.794757	0.0183831	No
						Hyal1	12.268	22.3554	0.865722	12.269	22.3564	0.86567023	0.00090728	No
						Hyal2	0.646683	14.9662	4.53251	0.647683	14.9672	4.53037267	0.00014629	No
						Hyi	8.08329	49.4398	2.61266	8.08429	49.4408	2.61250911	0.00659461	No
						Hykk	0	39.7313	inf	0.001	39.7323	15.2780247	0.00014629	No
						Hyou1	14.644	10.8218	-0.436363	14.645	10.8228	-0.4363344	0.0464366	No
						Hypk	174.704	244.423	0.484465	174.705	244.424	0.48446505	0.0333784	No
						lah1	81.4029	308.961	1.92427	81.4039	308.962	1.92425959	0.00014629	No
						lars	17.5474	9.5726	-0.874276	17.5484	9.5736	-0.8742061	0.00161718	No
						lba57	2.78386	9.68865	1.79921	2.78486	9.68965	1.79883975	0.00014629	No
						lbtck	18.5647	9.9236	-0.903624	18.5657	9.9246	-0.9035588	0.00028114	No

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						lca1	0.367115	10.1112	4.78357	0.368115	10.1122	4.77979655	0.00014629	No
						lcam1	3.75343	12.4917	1.73468	3.75443	12.4927	1.73441952	0.00014629	No
						lcam2	154.405	40.9071	-1.9163	154.406	40.9081	-1.9162704	0.00014629	No
						lcos	42.0106	2.26106	-4.21568	42.0116	2.26206	-4.2150786	0.00014629	No
						lcoslg	3.25919	28.0926	3.10761	3.26019	28.0936	3.10721356	0.00014629	No
						lct1	36.9819	91.7465	1.31083	36.9829	91.7475	1.31081049	0.00014629	No
						ld3	55.3925	104.04	0.909379	55.3935	104.041	0.90936357	0.00014629	No
						lde	18.5889	32.721	0.815774	18.5899	32.722	0.81574192	0.00241835	No
						ldh1	6.10627	210.965	5.11057	6.10727	210.966	5.11033907	0.00014629	No
						ldh2	13.6484	560.971	5.36112	13.6494	560.972	5.36101932	0.00014629	No
						ldh3a	34.0231	63.6013	0.902542	34.0241	63.6023	0.90252194	0.00014629	No
						ldh3B	58.9919	159.467	1.43467	58.9929	159.468	1.43465371	0.00014629	No
						ldh3g	94.2013	293.636	1.64021	94.2023	293.637	1.64019958	0.00014629	No
						ldi1	3.30207	9.14992	1.47039	3.30307	9.15092	1.47010925	0.00078603	No
						lds	15.4539	9.08817	-0.765913	15.4549	9.08917	-0.7658439	0.0257873	No
						ldua	40.4732	19.3983	-1.06103	40.4742	19.3993	-1.060998	0.00014629	No
						ler2	30.2398	66.5579	1.13816	30.2408	66.5589	1.13813529	0.00014629	No
						ler3	1.46117	77.3081	5.72542	1.46217	77.3091	5.72445528	0.00014629	No
						ler5	20.2757	9.13784	-1.14982	20.2767	9.13884	-1.1497399	0.00263402	No
						lffo1	51.5788	31.0057	-0.734245	51.5798	31.0067	-0.7342262	0.00427532	No
						lfi202b	352.79	5.90347	-5.9011	352.791	5.90447	-5.9008624	0.00014629	No
						lfi27	388.133	143.721	-1.43328	388.134	143.722	-1.4332739	0.00014629	No
						lfi27l2b	1246.8	70.0984	-4.1527	1246.801	70.0994	-4.1526853	0.00014629	No
						lfi44	81.2149	32.096	-1.33935	81.2159	32.097	-1.3393237	0.00014629	No
						lfi44l	60.7211	4.4038	-3.78538	60.7221	4.4048	-3.7850733	0.00014629	No
						lfi47	51.7713	3.8774	-3.73899	51.7723	3.8784	-3.7386469	0.00014629	No
						lfih1	6.66198	1.75594	-1.92371	6.66298	1.75694	-1.9231026	0.00014629	No
						lfit1b	10.7404	27.6897	1.3663	10.7414	27.6907	1.36621948	0.00014629	No
						lfitm1	450.799	22.8669	-4.30115	450.8	22.8679	-4.3010917	0.00014629	No
						lfitm2	161.933	239.895	0.567007	161.934	239.896	0.56700317	0.0426261	No
						lFNAR1	55.4321	7.75274	-2.83794	55.4331	7.75374	-2.8377834	0.00014629	No
						lfnar2	12.3754	3.65002	-1.7615	12.3764	3.65102	-1.7612203	0.00014629	No
						lfngr1	57.5058	20.2187	-1.50802	57.5068	20.2197	-1.507971	0.00014629	No
						lfngr2	22.1721	9.19586	-1.26969	22.1731	9.19686	-1.2695972	0.00014629	No
						lft122	0.821527	22.642	4.78455	0.822527	22.643	4.78285827	0.00014629	No
						lft140	4.06529	15.2868	1.91086	4.06629	15.2878	1.9105958	0.00014629	No
						lft172	2.67776	35.4565	3.72695	2.67876	35.4575	3.72645358	0.00014629	No
						lft20	46.8723	71.4836	0.608876	46.8733	71.4846	0.60886611	0.00384649	No
						lft27	9.38508	15.6277	0.735661	9.38608	15.6287	0.73560312	0.0213766	No
						lft43	0.75274	17.3122	4.5235	0.75374	17.3132	4.52166164	0.00014629	No
						lft46	13.3589	49.6694	1.89455	13.3599	49.6704	1.89447716	0.00014629	No
						lft52	14.6071	27.5681	0.916327	14.6081	27.5691	0.91628362	0.00028114	No

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						lft57	0.8235	19.4497	4.56183	0.8245	19.4507	4.56015877	0.00014629	No
						lft74	11.7217	3.95096	-1.56891	11.7227	3.95196	-1.5686646	0.00864487	No
						lft80	25.1092	5.93806	-2.08015	25.1102	5.93906	-2.079967	0.00014629	No
						lft81	2.05338	11.6743	2.50726	2.05438	11.6753	2.50668465	0.00014629	No
						lgbp1	64.8243	37.1505	-0.803154	64.8253	37.1515	-0.8031365	0.00102864	No
						lgf1	0	13.9831	inf	0.001	13.9841	13.7714998	0.00014629	No
						lgf1r	13.6871	4.54894	-1.58921	13.6881	4.54994	-1.5890028	0.00014629	No
						lgfals	0.264035	4.29443	4.02367	0.265035	4.29543	4.01854776	0.00274649	No
						lgfbp1	0	19.4981	inf	0.001	19.4991	14.2511199	0.00014629	No
						lgfbp2	0	47.8148	inf	0.001	47.8158	15.5451998	0.00014629	No
						lgfbp4	1.28494	28.5643	4.47444	1.28594	28.5653	4.47336845	0.00014629	No
						IGG-2A	252.382	24.8478	-3.34442	252.383	24.8488	-3.3443666	0.00014629	No
						IGJ	22.1131	2.18655	-3.33818	22.1141	2.18755	-3.3375786	0.0242332	No
						lgkc	140.927	6.87068	-4.35835	140.928	6.87168	-4.3581516	0.00014629	No
						lglon5	0.149914	2.01156	3.74611	0.150914	2.01256	3.73723324	0.0166081	No
						lgsf1	0	1.83386	inf	0.001	1.83486	10.8414543	0.00669647	No
						lgsf23	1.93613	5.4168	1.48426	1.93713	5.4178	1.48378636	0.0177285	No
						lgsf3	0.0345367	4.78436	7.11405	0.0355367	4.78536	7.07317394	0.00014629	No
						lgsf9	1.3354	9.61252	2.84765	1.3364	9.61352	2.84671288	0.00014629	No
						lgtp	38.859	23.3209	-0.736628	38.86	23.3219	-0.7366006	0.00090728	No
						lkbip	4.25887	8.97602	1.07561	4.25987	8.97702	1.07542721	0.0113536	No
						lkbkap	8.1464	3.86588	-1.07537	8.1474	3.86688	-1.0751697	0.0280617	No
						lkbkb	55.9435	33.9067	-0.722399	55.9445	33.9077	-0.7223834	0.00066215	No
						lkbke	113.279	60.7838	-0.898119	113.28	60.7848	-0.8981107	0.00161718	No
						lkbkg	13.9057	6.02296	-1.20713	13.9067	6.02396	-1.206996	0.00352183	No
						lkzf1	225.896	7.59397	-4.89466	225.897	7.59497	-4.894477	0.00014629	No
						lkzf2	11.5365	0.915951	-3.6548	11.5375	0.916951	-3.6533422	0.00014629	No
						lkzf3	57.5038	1.6404	-5.13154	57.5048	1.6414	-5.1306836	0.00014629	No
						lkzf5	14.3221	3.22506	-2.15085	14.3231	3.22606	-2.1504986	0.00014629	No
						ll10rb	26.7237	12.0434	-1.14988	26.7247	12.0444	-1.1498112	0.00014629	No
						ll11ra1	0.0556842	44.169	9.63155	0.0566842	44.17	9.60590446	0.0309347	No
						ll12rb1	2.61862	11.9397	2.18889	2.61962	11.9407	2.18845796	0.00014629	No
						ll12rb2	3.33953	1.18835	-1.49069	3.34053	1.18935	-1.4899037	0.00252712	No
						ll13ra1	0.150426	9.274	5.94607	0.151426	9.275	5.93666244	0.00802631	No
						ll16	43.9923	3.21903	-3.77255	43.9933	3.22003	-3.7721378	0.00014629	No
						ll17ra	35.7794	25.2664	-0.501908	35.7804	25.2674	-0.5018923	0.0153615	No
						ll17re	0.151209	7.23568	5.58051	0.152209	7.23668	5.57120241	0.00184429	No
						ll18bp	8.24956	20.1341	1.28725	8.25056	20.1351	1.28714869	0.00041099	No
						ll18r1	19.2966	1.17029	-4.04341	19.2976	1.17129	-4.0422512	0.00014629	No
						ll18RAP	10.1826	1.93826	-2.39326	10.1836	1.93926	-2.3926695	0.00014629	No
						ll1b	2.14395	9.16459	2.0958	2.14495	9.16559	2.09528373	0.00014629	No
						ll1rn	0.510103	2.22164	2.12276	0.511103	2.22264	2.12058833	0.00812679	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Il21r	150.871	2.80913	-5.74705	150.872	2.81013	-5.7465444	0.00014629	No
						Il2ra	19.0893	5.0514	-1.91801	19.0903	5.0524	-1.917799	0.00014629	No
						Il2rb	81.9105	8.04803	-3.34734	81.9115	8.04903	-3.3471792	0.00014629	No
						Il2rg	523.462	17.9089	-4.86934	523.463	17.9099	-4.8692584	0.00014629	No
						Il33	0.143291	21.357	7.21962	0.144291	21.358	7.20965143	0.0285184	No
						Il34	0.113609	25.257	7.79647	0.114609	25.258	7.78387626	0.00207488	No
						Il4r	152.813	27.9284	-2.45196	152.814	27.9294	-2.4519202	0.00014629	No
						Il6r	53.0728	1.01911	-5.7026	53.0738	1.02011	-5.7012032	0.00014629	No
						Il6st	29.035	7.14201	-2.02339	29.036	7.14301	-2.0232387	0.00014629	No
						Illdr1	0.403027	16.0852	5.31872	0.404027	16.0862	5.31522804	0.00053701	No
						Ilf2	41.1182	65.8898	0.680278	41.1192	65.8908	0.68026485	0.00078603	No
						Ilf3	29.3542	18.9347	-0.632533	29.3552	18.9357	-0.6325073	0.0380901	No
						Ilvbl	5.86542	11.6682	0.992276	5.86642	11.6692	0.99215339	0.00028114	No
						Immmp2l	7.02281	43.5701	2.63322	7.02381	43.5711	2.63304581	0.00149937	No
						Immt	53.2332	149.687	1.49155	53.2342	149.688	1.49153327	0.00014629	No
						Imp3	52.2675	72.0939	0.463964	52.2685	72.0949	0.46395545	0.0400829	No
						Impa2	15.4252	56.0088	1.86036	15.4262	56.0098	1.86029656	0.00014629	No
						Impact	94.8081	9.39405	-3.33519	94.8091	9.39505	-3.3350528	0.00014629	No
						Impdh1	45.8676	5.94623	-2.94743	45.8686	5.94723	-2.9472171	0.00014629	No
						Impdh2	285.654	62.179	-2.19977	285.655	62.18	-2.1997513	0.00014629	No
						Inadl	6.6235	32.4825	2.294	6.6245	32.4835	2.29382361	0.00014629	No
						Ing1	86.1111	18.2272	-2.24011	86.1121	18.2282	-2.2400439	0.00014629	No
						Ing3	21.4419	3.99879	-2.4228	21.4429	3.99979	-2.4225039	0.00014629	No
						Ing5	11.1683	4.81018	-1.21524	11.1693	4.81118	-1.2150761	0.00028114	No
						Inmt	0	70.9119	inf	0.001	70.9129	16.1137605	0.00014629	No
						Ino80	16.3794	5.27656	-1.63421	16.3804	5.27756	-1.6340276	0.00014629	No
						Ino80b	23.9582	15.365	-0.640871	23.9592	15.366	-0.6408381	0.0218441	No
						Inpp4b	31.1967	1.23681	-4.6567	31.1977	1.23781	-4.6555779	0.00014629	No
						Inpp5d	28.8598	2.38752	-3.59547	28.8608	2.38852	-3.5949224	0.00014629	No
						Inpp5j	0	15.3491	inf	0.001	15.3501	13.9059604	0.00014629	No
						Inpp5k	29.8404	12.8858	-1.21149	29.8414	12.8868	-1.2114212	0.00014629	No
						Insig2	5.40237	8.7207	0.690851	5.40337	8.7217	0.69074989	0.0123523	No
						Ints1	22.4003	67.022	1.58112	22.4013	67.023	1.58107381	0.00014629	No
						Ints10	22.9469	14.5801	-0.654294	22.9479	14.5811	-0.6542626	0.0116551	No
						Ints2	5.7993	1.94885	-1.57325	5.8003	1.94985	-1.5727644	0.00138312	No
						INTS6	36.8102	5.71049	-2.68842	36.8112	5.71149	-2.6882057	0.00014629	No
						Ints7	7.94647	5.40234	-0.556729	7.94747	5.40334	-0.5566442	0.0226712	No
						Ip6k1	62.678	34.8087	-0.84851	62.679	34.8097	-0.8484928	0.00014629	No
						Ip6k2	50.3408	29.8459	-0.754195	50.3418	29.8469	-0.7541757	0.00114835	No
						Ipcef1	27.0239	0.474722	-5.83101	27.0249	0.475722	-5.8280267	0.00014629	No
						Ipmk	5.24038	22.1962	2.08257	5.24138	22.1972	2.08235909	0.00014629	No
						Ipo5	35.4674	23.7877	-0.576277	35.4684	23.7887	-0.5762578	0.00395247	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lpo7	26.8167	13.8856	-0.949539	26.8177	13.8866	-0.9494921	0.00014629	No
						lpo8	9.46914	5.12444	-0.885838	9.47014	5.12544	-0.8857099	0.00363169	No
						lpo9	30.1395	7.64671	-1.97874	30.1405	7.64771	-1.9786036	0.00014629	No
						lpp	10.0737	27.5522	1.45158	10.0747	27.5532	1.451483	0.00014629	No
						lqcb1	7.4797	3.74151	-0.999361	7.4807	3.74251	-0.9991671	0.00173187	No
						lqce	1.20512	7.86152	2.70563	1.20612	7.86252	2.70461833	0.00014629	No
						lqch	11.8039	55.4696	2.23244	11.8049	55.4706	2.23233751	0.00014629	No
						lqgap1	57.7906	10.7288	-2.42935	57.7916	10.7298	-2.4292366	0.00014629	No
						lqgap2	46.4239	10.6078	-2.12975	46.4249	10.6088	-2.1296373	0.00014629	No
						lqsec1	3.50927	54.9752	3.96954	3.51027	54.9762	3.96915328	0.00014629	No
						lqsec2	1.05771	5.4851	2.37458	1.05871	5.4861	2.37347346	0.00014629	No
						lqub	0.659199	4.8484	2.87872	0.660199	4.8494	2.8768334	0.00207488	No
						Irak1	44.3295	24.3677	-0.863297	44.3305	24.3687	-0.8632703	0.00014629	No
						IRAK1BP1	0.33533	21.0777	5.97399	0.33633	21.0787	5.96976461	0.00014629	No
						Irak2	9.73396	15.0007	0.62393	9.73496	15.0017	0.62387904	0.0175479	No
						Irak3	17.302	6.12854	-1.49733	17.303	6.12954	-1.4971715	0.00014629	No
						Irak4	14.077	3.84783	-1.87123	14.078	3.84883	-1.8709505	0.00014629	No
						lreb2	17.5757	8.8537	-0.989228	17.5767	8.8547	-0.9891489	0.00014629	No
						lrf2	95.4762	8.08624	-3.5616	95.4772	8.08724	-3.5614369	0.00014629	No
						lrf3	221.208	378.942	0.776569	221.209	378.943	0.77657077	0.00014629	No
						lrf9	54.6207	13.8603	-1.97849	54.6217	13.8613	-1.9784116	0.00014629	No
						lrgq	7.63	4.85236	-0.652996	7.631	4.85336	-0.6528883	0.00438237	No
						lrx1	0	40.0085	inf	0.001	40.0095	15.288055	0.00014629	No
						lrx5	0	17.916	inf	0.001	17.917	14.1290415	0.00014629	No
						lsca1	28.9126	71.7222	1.31072	28.9136	71.7232	1.31069161	0.00014629	No
						lsca2	32.0924	77.4025	1.27015	32.0934	77.4035	1.27012217	0.00014629	No
						lscu	47.893	260.262	2.44208	47.894	260.263	2.44205339	0.00014629	No
						lsg20	23.2612	14.4313	-0.688725	23.2622	14.4323	-0.6886863	0.0428013	No
						lsm1	0	1.6377	inf	0.001	1.6387	10.678336	0.0204477	No
						lsoc1	13.67	36.7708	1.42754	13.671	36.7718	1.42748102	0.00014629	No
						lsoc2a	26.0812	73.2207	1.48924	26.0822	73.2217	1.48920571	0.00014629	No
						lsy1	84.058	34.5535	-1.28255	84.059	34.5545	-1.2825287	0.00014629	No
						lsyna1	46.191	72.308	0.646544	46.192	72.309	0.64653221	0.00173187	No
						ltch	29.143	13.0792	-1.15587	29.144	13.0802	-1.1558143	0.00014629	No
						ltfg1	6.74251	22.9784	1.76892	6.74351	22.9794	1.76876951	0.00014629	No
						ltfg2	5.39471	11.7802	1.12675	5.39571	11.7812	1.12660178	0.00014629	No
						ltfg3	1.43168	35.7939	4.64394	1.43268	35.7949	4.64296574	0.00014629	No
						ltga1	10.595	47.8168	2.17413	10.596	47.8178	2.17402801	0.00014629	No
						ltga2b	1.95133	7.09177	1.86169	1.95233	7.09277	1.86115223	0.00014629	No
						ltga3	2.26801	19.217	3.08288	2.26901	19.218	3.08232333	0.00014629	No
						ltga4	81.2168	1.39006	-5.86856	81.2178	1.39106	-5.8675394	0.00014629	No
						ltga5	0.0985222	1.40625	3.83527	0.0995222	1.40725	3.82171646	0.00252712	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Itga7	0	23.8532	inf	0.001	23.8542	14.5419557	0.00014629	No
						Itgav	5.20892	16.6098	1.67298	5.20992	16.6108	1.67278843	0.00014629	No
						Itgb2	111.598	5.46203	-4.35273	111.599	5.46303	-4.3524789	0.00014629	No
						Itgb3	16.758	4.5176	-1.89122	16.759	4.5186	-1.8909883	0.00114835	No
						Itgb5	0.659027	44.3151	6.07132	0.660027	44.3161	6.06916207	0.0327779	No
						Itgb7	115.805	12.2237	-3.24395	115.806	12.2247	-3.243839	0.00014629	No
						Itgb8	0.15385	4.53723	4.88222	0.15485	4.53823	4.87318644	0.00014629	No
						Itih5	0	34.5771	inf	0.001	34.5781	15.077571	0.00014629	No
						Itk	121.617	3.87252	-4.97294	121.618	3.87352	-4.9725678	0.00014629	No
						Itm2a	70.3123	2.19449	-5.00182	70.3133	2.19549	-5.0011827	0.00792329	No
						Itm2b	413.706	565.641	0.451281	413.707	565.642	0.45127988	0.0387854	No
						Itm2c	48.7581	139.293	1.51441	48.7591	139.294	1.51438971	0.00014629	No
						Itpa	39.1306	61.5485	0.653426	39.1316	61.5495	0.65341304	0.00263402	No
						Itpkc	1.80609	4.5368	1.3288	1.80709	4.5378	1.32832467	0.00014629	No
						Itpr1	11.2539	19.7745	0.813222	11.2549	19.7755	0.81316093	0.0150758	No
						Itpr2	14.0823	1.76193	-2.99866	14.0833	1.76293	-2.9979383	0.00014629	No
						Itpr3	30.4565	9.8704	-1.62557	30.4575	9.8714	-1.6254709	0.00014629	No
						Itsn1	16.6216	193.202	3.53898	16.6226	193.203	3.53889953	0.00014629	No
						Itsn2	89.6198	50.7209	-0.821238	89.6208	50.7219	-0.8212248	0.0424758	No
						Ivd	18.9196	74.5915	1.97913	18.9206	74.5925	1.97907274	0.00014629	No
						IVNS1ABP_P REDICTED	47.5515	145.392	1.61238	47.5525	145.393	1.61236472	0.00014629	No
						Iws1	12.9213	7.24811	-0.83407	12.9223	7.24911	-0.8339871	0.0257873	No
						Iyd	0	12.4616	inf	0.001	12.4626	13.6053175	0.00014629	No
						Jag1	0.0331487	26.2351	9.62833	0.0341487	26.2361	9.58550691	0.0204477	No
						Jag2	0.252836	3.69958	3.87109	0.253836	3.70058	3.86578281	0.00014629	No
						Jak1	249.658	20.9083	-3.57781	249.659	20.9093	-3.5777422	0.00014629	No
						Jak2	38.4517	4.09965	-3.22947	38.4527	4.10065	-3.2291604	0.00014629	No
						Jakmip1	51.2365	1.74158	-4.87871	51.2375	1.74258	-4.8779033	0.00014629	No
						Jarid2	11.8419	4.93074	-1.26403	11.8429	4.93174	-1.2638538	0.00014629	No
						Jmjd1c	49.9951	19.4286	-1.36361	49.9961	19.4296	-1.3635594	0.00491494	No
						Jmjd7	9.43729	5.53447	-0.769927	9.43829	5.53547	-0.7698197	0.0136225	No
						Jun	31.1576	245.62	2.97877	31.1586	245.621	2.9787316	0.00014629	No
						Jund	261.558	173.369	-0.593284	261.559	173.37	-0.5932821	0.00114835	No
						Jup	25.0796	45.8374	0.870012	25.0806	45.8384	0.86998483	0.00014629	No
						Kank1	0.0951615	36.9289	8.60015	0.0961615	36.9299	8.58511424	0.00014629	No
						Kank2	0.470847	9.23563	4.29388	0.471847	9.23663	4.29097554	0.00014629	No
						Kank3	0.687339	6.85547	3.31816	0.688339	6.85647	3.31627485	0.00041099	No
						Kansl1	97.3723	16.8369	-2.53189	97.3733	16.8379	-2.531814	0.00014629	No
						Kansl1l	3.39014	13.0012	1.93923	3.39114	13.0022	1.9389135	0.00014629	No
						Kap	0	2087.69	inf	0.001	2087.691	20.9934768	0.00014629	No
						Kars	73.1884	51.8117	-0.498338	73.1894	51.8127	-0.498329	0.0116551	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kat2a	27.8801	12.9239	-1.10919	27.8811	12.9249	-1.1091344	0.00014629	No
						Kat6a	25.3894	4.98333	-2.34905	25.3904	4.98433	-2.3488116	0.00014629	No
						Kat7	33.8472	14.36	-1.23698	33.8482	14.361	-1.2369229	0.00014629	No
						Katna1	22.8053	10.4241	-1.12945	22.8063	10.4251	-1.1293712	0.00014629	No
						Katnbl1	5.45759	2.15644	-1.33962	5.45859	2.15744	-1.3392079	0.0117565	No
						Kbtbd11	40.8037	6.27041	-2.70207	40.8047	6.27141	-2.7018736	0.00014629	No
						Kbtbd12	0	1.7053	inf	0.001	1.7063	10.7366556	0.00014629	No
						Kbtbd2	41.976	8.75703	-2.26105	41.977	8.75803	-2.2609208	0.00014629	No
						Kbtbd3	5.75716	3.51135	-0.713332	5.75816	3.51235	-0.7131713	0.0322469	No
						Kbtbd8	3.05161	0.627611	-2.28163	3.05261	0.628611	-2.2798039	0.00014629	No
						Kcnab2	60.7707	3.09891	-4.29354	60.7717	3.09991	-4.2931014	0.00014629	No
						Kcnab3	1.22963	0.241703	-2.34692	1.23063	0.242703	-2.3421332	0.0222129	No
						Kcng4	0.782007	5.63508	2.84918	0.783007	5.63608	2.84759498	0.00014629	No
						Kcnj1	0.01825	48.7007	11.3818	0.01925	48.7017	11.304898	0.00014629	No
						Kcnj16	0	226.274	inf	0.001	226.275	17.7877177	0.00014629	No
						Kcnj9	1.05056	3.70041	1.81653	1.05156	3.70141	1.81554378	0.004167	No
						Kcnk1	0.576225	41.1725	6.1589	0.577225	41.1735	6.1564385	0.00014629	No
						Kcnk5	0.56915	30.8485	5.76025	0.57015	30.8495	5.75776177	0.00014629	No
						Kcnk6	8.06024	1.95311	-2.04505	8.06124	1.95411	-2.0444901	0.00014629	No
						Kcnmb4	11.2441	6.08059	-0.88689	11.2451	6.08159	-0.886776	0.0335581	No
						Kcnt1	0	114.473	inf	0.001	114.474	16.8046604	0.00014629	No
						Kctd1	3.98742	32.5699	3.03001	3.98842	32.5709	3.02969434	0.00014629	No
						Kctd17	0.86875	74.8648	6.4292	0.86975	74.8658	6.42756224	0.00014629	No
						Kctd18	28.9829	7.33301	-1.98272	28.9839	7.33401	-1.9825776	0.00014629	No
						Kctd2	12.3135	22.0526	0.840709	12.3145	22.0536	0.84065613	0.0313726	No
						Kctd20	17.3953	6.38355	-1.44627	17.3963	6.38455	-1.4461236	0.00014629	No
						Kctd3	8.46252	15.4348	0.867025	8.46352	15.4358	0.86695054	0.00014629	No
						Kctd5	4.36251	9.40985	1.10901	4.36351	9.41085	1.10883593	0.00014629	No
						Kctd6	4.7903	30.3114	2.66167	4.7913	30.3124	2.66141903	0.00014629	No
						KDELC1	10.3886	22.441	1.11114	10.3896	22.442	1.11106114	0.00090728	No
						Kdelc2	2.88105	8.65844	1.58751	2.88205	8.65944	1.58717837	0.00014629	No
						Kdelr1	29.1893	61.1988	1.06806	29.1903	61.1998	1.0680379	0.00014629	No
						Kdm1b	26.6586	7.63275	-1.80433	26.6596	7.63375	-1.8041913	0.00014629	No
						KDM2B	12.5983	5.49192	-1.19785	12.5993	5.49292	-1.1976984	0.00014629	No
						Kdm3a	60.3983	19.1479	-1.65732	60.3993	19.1489	-1.6572703	0.00014629	No
						Kdm3b	27.4555	8.78828	-1.64344	27.4565	8.78928	-1.6433308	0.00014629	No
						Kdm4a	37.5106	10.6191	-1.82064	37.5116	10.6201	-1.8205394	0.00014629	No
						Kdm4c	11.7339	3.95426	-1.56921	11.7349	3.95526	-1.5689611	0.00014629	No
						Kdm5a	31.5551	4.90464	-2.68565	31.5561	4.90564	-2.6854056	0.00014629	No
						Kdm5b	16.6044	6.61703	-1.32731	16.6054	6.61803	-1.3271787	0.00014629	No
						Kdm5c	12.0749	4.56009	-1.40487	12.0759	4.56109	-1.4046802	0.00014629	No
						Kdm6a	25.5155	4.53147	-2.49332	25.5165	4.53247	-2.4930611	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kdm7a	16.0181	1.72721	-3.21319	16.0191	1.72821	-3.2124427	0.00014629	No
						Khdrbs1	78.1654	29.0037	-1.43029	78.1664	29.0047	-1.4302619	0.00014629	No
						Khsrp	41.1883	20.4395	-1.01087	41.1893	20.4405	-1.0108391	0.00041099	No
						Kidins220	31.6644	8.1162	-1.96399	31.6654	8.1172	-1.9638532	0.00014629	No
						Kif11	0.902781	5.89922	2.70808	0.903781	5.90022	2.70672362	0.00014629	No
						Kif13a	4.03355	6.58632	0.707423	4.03455	6.58732	0.70728387	0.0116551	No
						Kif13b	7.01132	12.1518	0.793414	7.01232	12.1528	0.79332501	0.00014629	No
						Kif15	3.48442	0.743846	-2.22784	3.48542	0.744846	-2.2263184	0.00014629	No
						Kif16b	2.91939	7.47044	1.35553	2.92039	7.47144	1.35522528	0.00014629	No
						Kif1c	11.8044	97.0904	3.04	11.8054	97.0914	3.03989659	0.00014629	No
						Kif21b	59.2432	2.87769	-4.36367	59.2442	2.87869	-4.3631896	0.00014629	No
						Kif22	0.358824	2.53949	2.82319	0.359824	2.54049	2.81974346	0.0185598	No
						Kif2a	20.9332	4.88852	-2.09832	20.9342	4.88952	-2.098097	0.00014629	No
						Kif3a	2.09094	3.63685	0.798539	2.09194	3.63785	0.79824458	0.0400829	No
						Kif5b	21.0853	15.0913	-0.482526	21.0863	15.0923	-0.4824933	0.0253385	No
						Kifap3	4.87749	20.1977	2.04998	4.87849	20.1987	2.04975587	0.00014629	No
						Kifc1	3.49398	20.8171	2.57482	3.49498	20.8181	2.5744823	0.00014629	No
						Kifc2	4.48721	14.7996	1.72166	4.48821	14.8006	1.72144358	0.00053701	No
						Kifc3	0.803871	93.5175	6.86213	0.804871	93.5185	6.8603504	0.00014629	No
						Kirrel	0	1.12722	inf	0.001	1.12822	10.1398327	0.00014629	No
						Kitlg	0.271666	6.78716	4.6429	0.272666	6.78816	4.63781385	0.00014629	No
						Klc2	14.8346	36.9479	1.31652	14.8356	36.9489	1.31646814	0.00014629	No
						Klc4	12.2722	90.6208	2.88445	12.2732	90.6218	2.88434669	0.00014629	No
						Klf10	2.57643	5.15274	0.999965	2.57743	5.15374	0.99968651	0.00149937	No
						Klf11	11.0291	5.0499	-1.12699	11.0301	5.0509	-1.1268335	0.00014629	No
						Klf12	9.66365	1.84977	-2.38522	9.66465	1.85077	-2.3845919	0.00014629	No
						Klf13	55.0119	4.11871	-3.73948	55.0129	4.11971	-3.7391553	0.00014629	No
						Klf3	91.8341	23.9089	-1.94148	91.8351	23.9099	-1.9414376	0.00014629	No
						Klf4	1.67808	25.6451	3.9338	1.67908	25.6461	3.93299658	0.00014629	No
						KLF6	59.1866	32.0516	-0.884871	59.1876	32.0526	-0.8848536	0.00014629	No
						KLF7	6.4846	1.96403	-1.7232	6.4856	1.96503	-1.7226887	0.00014629	No
						Klf9	45.072	25.4866	-0.82249	45.073	25.4876	-0.8224679	0.00014629	No
						KLHDC1	12.9478	1.81997	-2.83072	12.9488	1.82097	-2.8300393	0.00014629	No
						Klhdc10	7.22314	15.1208	1.06584	7.22414	15.1218	1.06573212	0.00014629	No
						KLHDC2	74.9654	25.3878	-1.56209	74.9664	25.3888	-1.5620519	0.00014629	No
						Klhdc4	14.6296	35.1651	1.26525	14.6306	35.1661	1.26519641	0.00014629	No
						Klhdc7a	0	18.6866	inf	0.001	18.6876	14.1897937	0.00014629	No
						Klhl11	6.42145	2.37496	-1.435	6.42245	2.37596	-1.4346132	0.00041099	No
						Klhl12	9.9615	39.4031	1.98387	9.9625	39.4041	1.98376603	0.00576532	No
						Klhl13	0.0426999	1.98124	5.53602	0.0436999	1.98224	5.50335786	0.00884407	No
						Klhl14	0.146996	6.53162	5.47359	0.147996	6.53262	5.46403163	0.00014629	No
						Klhl15	6.21677	1.72773	-1.84729	6.21777	1.72873	-1.8466847	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Klhl2	33.502	14.0807	-1.25053	33.503	14.0817	-1.2504688	0.00014629	No
						Klhl20	15.4238	2.75471	-2.48518	15.4248	2.75571	-2.4847558	0.00014629	No
						Klhl22	7.56169	15.8003	1.06317	7.56269	15.8013	1.06307187	0.00014629	No
						Klhl23	0.137985	1.38145	3.3236	0.138985	1.38245	3.31422621	0.00659461	No
						Klhl24	33.6432	15.934	-1.0782	33.6442	15.935	-1.0781588	0.00102864	No
						Klhl25	3.29236	23.0396	2.80692	3.29336	23.0406	2.80654616	0.00014629	No
						Klhl26	0.50213	4.17189	3.05457	0.50313	4.17289	3.05204377	0.00014629	No
						Klhl28	4.65619	1.03866	-2.16443	4.65719	1.03966	-2.1633479	0.00014629	No
						Klhl42	21.7288	54.2329	1.31956	21.7298	54.2339	1.31952002	0.00014629	No
						Klhl5	13.5331	6.75505	-1.00245	13.5341	6.75605	-1.002347	0.00639443	No
						Klhl6	51.1972	1.58979	-5.00916	51.1982	1.59079	-5.0082778	0.00014629	No
						Klhl8	6.59732	11.0457	0.743535	6.59832	11.0467	0.7434448	0.00252712	No
						Klk1	0	57.9976	inf	0.001	57.9986	15.8237305	0.00014629	No
						Klk1b3	0	66.8971	inf	0.001	66.8981	16.0296776	0.00014629	No
						Klk1c10	0	3.38339	inf	0.001	3.38439	11.7246801	0.00028114	No
						Klra17	8.5526	23.9959	1.48835	8.5536	23.9969	1.4882444	0.00014629	No
						Klra22	111.772	31.0654	-1.84718	111.773	31.0664	-1.8471448	0.00014629	No
						Klrb1a	30.0174	8.03679	-1.90111	30.0184	8.03779	-1.9009763	0.00014629	No
						Klrb1c	72.9052	1.94048	-5.23153	72.9062	1.94148	-5.2308128	0.00014629	No
						Klrc1	3.9665	0.640838	-2.62984	3.9675	0.641838	-2.6279491	0.0210052	No
						Klrd1	84.7816	6.99531	-3.59929	84.7826	6.99631	-3.5991021	0.00014629	No
						Klre1	20.8116	10.5043	-0.986401	20.8126	10.5053	-0.9863398	0.0317197	No
						Klrg2	0.154052	2.96133	4.26476	0.155052	2.96233	4.25590832	0.00285806	No
						Klrk1	188.732	6.02597	-4.96901	188.733	6.02697	-4.96877	0.00014629	No
						Kmo	0.0546693	41.8205	9.57926	0.0556693	41.8215	9.55314715	0.00149937	No
						Kmt2a	17.8287	3.94078	-2.17765	17.8297	3.94178	-2.1773633	0.00014629	No
						Kmt2b	24.3607	10.7758	-1.17676	24.3617	10.7768	-1.176686	0.0106553	No
						Kmt2c	45.1724	7.32392	-2.62475	45.1734	7.32492	-2.6245886	0.00014629	No
						Kmt2e	60.3242	14.1753	-2.08935	60.3252	14.1763	-2.0892798	0.00014629	No
						KNG1L1	0	36.3069	inf	0.001	36.3079	15.1479959	0.00014629	No
						Kpna1	31.8516	5.63132	-2.49982	31.8526	5.63232	-2.4996099	0.00014629	No
						Kpna2	10.4861	21.0219	1.00342	10.4871	21.0229	1.00334591	0.00874754	No
						Kpna3	12.4924	7.92798	-0.656026	12.4934	7.92898	-0.655959	0.0145969	No
						Kpna4	29.1845	15.6549	-0.898588	29.1855	15.6559	-0.8985453	0.00252712	No
						Kpna5	17.5203	3.12024	-2.4893	17.5213	3.12124	-2.4889186	0.00014629	No
						Kpnb1	72.1644	29.3848	-1.29622	72.1654	29.3858	-1.2961881	0.00241835	No
						KPTN	11.4713	37.2879	1.70068	11.4723	37.2889	1.70059158	0.00014629	No
						Kras	20.1905	8.77801	-1.20171	20.1915	8.77901	-1.2016179	0.00954394	No
						Kremen1	5.59477	2.02342	-1.46728	5.59577	2.02442	-1.466828	0.00014629	No
						Kri1	48.586	18.0153	-1.43132	48.587	18.0163	-1.4312676	0.00884407	No
						Krit1	30.0564	7.08208	-2.08543	30.0574	7.08308	-2.0852715	0.00014629	No
						Krt10	3.75696	11.3266	1.59208	3.75796	11.3276	1.59182061	0.00263402	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Krt14	0	4.83318	inf	0.001	4.83418	12.2390555	0.004167	No
						Krt15	0	16.4079	inf	0.001	16.4089	14.0021909	0.00014629	No
						Krt18	2.60811	52.4698	4.33041	2.60911	52.4708	4.32988511	0.00014629	No
						Krt23	0	7.55531	inf	0.001	7.55631	12.8834662	0.00014629	No
						Krt5	0.0522854	2.27882	5.44573	0.0532854	2.27982	5.41903582	0.0166081	No
						Krt80	0	5.44768	inf	0.001	5.44868	12.411691	0.00014629	No
						Ktn1	35.6531	22.84	-0.642465	35.6541	22.841	-0.6424422	0.0436642	No
						Kynu	0.32668	34.8637	6.7377	0.32768	34.8647	6.73333564	0.0328695	No
						L1cam	4.42346	19.9105	2.17028	4.42446	19.9115	2.17002862	0.00014629	No
						L2hgdh	1.88367	5.41933	1.52457	1.88467	5.42033	1.52406875	0.00014629	No
						L3mbtl2	34.0764	18.4954	-0.881602	34.0774	18.4964	-0.8815708	0.00014629	No
						L3mbtl3	62.3722	3.51602	-4.14889	62.3732	3.51702	-4.1485008	0.00014629	No
						Lace1	4.05998	56.7511	3.8051	4.06098	56.7521	3.80477395	0.00014629	No
						Lactb	8.49651	44.1235	2.37661	8.49751	44.1245	2.37646787	0.00014629	No
						Lag3	39.7484	26.2703	-0.597465	39.7494	26.2713	-0.5974455	0.00566132	No
						Lage3	36.0718	75.8264	1.07183	36.0728	75.8274	1.07180785	0.00014629	No
						Lama5	0.179056	27.6999	7.27333	0.180056	27.7009	7.26534336	0.00014629	No
						Lamb1	0.0362536	18.1843	8.97036	0.0372536	18.1853	8.93117716	0.00014629	No
						Lamp1	98.4866	272.445	1.46797	98.4876	272.446	1.46795631	0.00014629	No
						Lamp2	26.5178	51.8845	0.96834	26.5188	51.8855	0.96831592	0.00014629	No
						Lamtor1	51.2799	149.974	1.54825	51.2809	149.975	1.54822854	0.00014629	No
						Lamtor2	210.706	286.051	0.441042	210.707	286.052	0.44103919	0.031283	No
						Lamtor3	15.9435	35.941	1.17266	15.9445	35.942	1.17261183	0.00014629	No
						Lamtor4	47.9564	138.855	1.53378	47.9574	138.856	1.53376417	0.00014629	No
						Lamtor5	50.8956	134.839	1.40562	50.8966	134.84	1.40560734	0.00014629	No
						Lap3	19.5638	71.8638	1.87708	19.5648	71.8648	1.87702494	0.00014629	No
						Laptm4a	91.2689	195.245	1.09709	91.2699	195.246	1.09708194	0.00014629	No
						Laptm4b	1.34279	15.4712	3.52628	1.34379	15.4722	3.52529874	0.0202551	No
						Laptm5	607.925	39.0675	-3.95985	607.926	39.0685	-3.959818	0.00014629	No
						Larp1	51.3754	21.1181	-1.2826	51.3764	21.1191	-1.2825574	0.00014629	No
						Larp1b	30.8478	13.0012	-1.24652	30.8488	13.0022	-1.2464586	0.00014629	No
						Larp4	10.8822	2.74722	-1.98593	10.8832	2.74822	-1.9855334	0.00041099	No
						Lars	32.9013	17.2131	-0.934642	32.9023	17.2141	-0.9345977	0.00014629	No
						LAS2	5.23265	1.04721	-2.32099	5.23365	1.04821	-2.3198897	0.00090728	No
						Lat2	14.1714	5.99433	-1.24131	14.1724	5.99533	-1.241173	0.0156475	No
						Lax1	17.8862	1.33339	-3.74567	17.8872	1.33439	-3.7446753	0.00014629	No
						Lbp	0.170564	4.07375	4.57797	0.171564	4.07475	4.56989278	0.00053701	No
						Lbr	68.2651	5.15422	-3.72732	68.2661	5.15522	-3.7270634	0.00014629	No
						Lcat	6.36249	29.8508	2.23011	6.36349	29.8518	2.2299278	0.00014629	No
						Lck	498.925	30.179	-4.04721	498.926	30.18	-4.0471611	0.00014629	No
						Lclat1	1.85997	10.9826	2.56187	1.86097	10.9836	2.56122429	0.00014629	No
						Lcor	12.6931	1.82622	-2.79711	12.6941	1.82722	-2.7964359	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lcorl	4.73175	1.57434	-1.58763	4.73275	1.57534	-1.5870155	0.00028114	No
						Lcp1	373.655	15.4431	-4.59667	373.656	15.4441	-4.596583	0.00014629	No
						Lcp2	97.9007	7.47561	-3.71106	97.9017	7.47661	-3.7108777	0.00014629	No
						Ldb1	296.729	23.4976	-3.65856	296.73	23.4986	-3.6585041	0.00014629	No
						Ldha	239.71	159.627	-0.586587	239.711	159.628	-0.5865824	0.00263402	No
						Ldhb	9.1354	832.46	6.50977	9.1364	832.461	6.50961306	0.00014629	No
						Ldhd	0.95796	55.6196	5.85949	0.95896	55.6206	5.85800486	0.00014629	No
						Ldlr	1.64524	4.63358	1.49383	1.64624	4.63458	1.49326393	0.00014629	No
						Ldlrad3	0.489633	1.82143	1.8953	0.490633	1.82243	1.89314722	0.0475835	No
						Ldlrap1	145.637	9.2186	-3.98168	145.638	9.2196	-3.9815389	0.00014629	No
						Lef1	223.825	4.3255	-5.69336	223.826	4.3265	-5.6930334	0.00014629	No
						Lemd3	11.9776	3.85348	-1.63611	11.9786	3.85448	-1.6358512	0.00014629	No
						Leng8	225.906	36.5795	-2.62662	225.907	36.5805	-2.6265823	0.00014629	No
						Lepre1	4.62982	24.3121	2.39264	4.63082	24.3131	2.39239427	0.00014629	No
						Leprel1	0	23.1728	inf	0.001	23.1738	14.500207	0.00014629	No
						Leprel2	0.0838384	51.06	9.25037	0.0848384	51.061	9.23328866	0.00041099	No
						Leprel4	0.202163	1.3161	2.70268	0.203163	1.3171	2.6966553	0.0239709	No
						Leprotl1	126.242	47.9542	-1.39646	126.243	47.9552	-1.3964442	0.00014629	No
						Letm1	17.2687	46.7294	1.43617	17.2697	46.7304	1.43611836	0.00184429	No
						Letm2	7.16529	3.0722	-1.22175	7.16629	3.0732	-1.2214848	0.0387027	No
						Lfng	41.6993	1.83243	-4.50819	41.7003	1.83343	-4.5074407	0.00014629	No
						Lgals1	421.68	121.112	-1.79981	421.681	121.113	-1.7997983	0.00014629	No
						Lgals3	2.20118	34.2134	3.95821	2.20218	34.2144	3.95759935	0.00014629	No
						Lgals3bp	38.3813	27.4762	-0.482222	38.3823	27.4772	-0.4822062	0.0256152	No
						Lgals8	14.3982	23.6868	0.718188	14.3992	23.6878	0.71815556	0.00149937	No
						Lgals9	174.155	23.4132	-2.89498	174.156	23.4142	-2.8949245	0.00014629	No
						Lgmn	66.672	284.64	2.09398	66.673	284.641	2.09396894	0.00014629	No
						Lgr4	0.653304	18.4002	4.81582	0.654304	18.4012	4.81369495	0.00014629	No
						Lhfp	0.114276	5.99738	5.71374	0.115276	5.99838	5.70140883	0.00405996	No
						Lhpp	2.29165	34.0504	3.89321	2.29265	34.0514	3.89262608	0.00014629	No
						Lias	4.59274	14.9981	1.70735	4.59374	14.9991	1.70713483	0.00014629	No
						Lifr	0.0737512	36.9118	8.9672	0.0747512	36.9128	8.94780872	0.00195831	No
						Lig1	14.5242	57.96	1.9966	14.5252	57.961	1.99652446	0.00102864	No
						Lig3	7.72985	3.65439	-1.08081	7.73085	3.65539	-1.0806017	0.0330385	No
						Lig4	49.664	10.0858	-2.29988	49.665	10.0868	-2.299761	0.00014629	No
						Lilrb4	2.21775	48.4173	4.44835	2.21875	48.4183	4.4477334	0.00014629	No
						Lima1	0.4707	7.45308	3.98496	0.4717	7.45408	3.9820888	0.00014629	No
						Limch1	0	9.71083	inf	0.001	9.71183	13.2455275	0.00014629	No
						Limd1	12.5757	7.87578	-0.675149	12.5767	7.87678	-0.6750755	0.00230432	No
						Limd2	732.614	18.9321	-5.27414	732.615	18.9331	-5.2740727	0.00014629	No
						Limk1	4.28945	1.29969	-1.72262	4.29045	1.30069	-1.7218518	0.00014629	No
						Lims1	23.4847	7.38662	-1.66874	23.4857	7.38762	-1.668601	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lims2	0	68.6511	inf	0.001	68.6521	16.0670162	0.00014629	No
						Lin52	9.21459	28.1298	1.61011	9.21559	28.1308	1.61000214	0.00318982	No
						Lin54	5.01589	2.21732	-1.17769	5.01689	2.21832	-1.1773258	0.00014629	No
						Lipt1	2.66882	1.19067	-1.16442	2.66982	1.19167	-1.1637577	0.0106553	No
						Litaf	37.3945	58.1395	0.636694	37.3955	58.1405	0.63667881	0.00207488	No
						Lix1l	2.18091	5.34615	1.29357	2.18191	5.34715	1.29317855	0.00014629	No
						Llgl1	14.896	7.06898	-1.07535	14.897	7.06998	-1.0752438	0.0182057	No
						Llgl2	8.60452	62.6554	2.86427	8.60552	62.6564	2.8641276	0.00014629	No
						Llph	106.562	39.4261	-1.43447	106.563	39.4271	-1.4344471	0.00014629	No
						Lman1	9.49867	16.6697	0.811429	9.49967	16.6707	0.81136538	0.00639443	No
						Lman2	64.8785	114.031	0.813619	64.8795	114.032	0.81360413	0.00014629	No
						Lman2l	10.9526	29.1987	1.41464	10.9536	29.1997	1.41454844	0.00014629	No
						Lmbr1	6.19218	3.26958	-0.921341	6.19318	3.27058	-0.9211339	0.00363169	No
						Lmbrd2	2.26284	0.500303	-2.17726	2.26384	0.501303	-2.1750172	0.00114835	No
						Lmcd1	0	16.7066	inf	0.001	16.7076	14.0282169	0.00014629	No
						Lmf1	5.85446	15.21	1.37742	5.85546	15.211	1.37726058	0.00014629	No
						Lmna	1.14231	33.6377	4.88005	1.14331	33.6387	4.87883341	0.00014629	No
						Lmnb1	11.469	2.93881	-1.96444	11.47	2.93981	-1.9640706	0.00014629	No
						Lmo1	0	1.47751	inf	0.001	1.47851	10.5299283	0.00014629	No
						Lmo2	4.40696	8.67699	0.977411	4.40796	8.67799	0.97724979	0.0126456	No
						Lmo4	38.1032	60.0564	0.656405	38.1042	60.0574	0.65639199	0.00102864	No
						Lmo7	2.4577	27.3715	3.4773	2.4587	27.3725	3.47675959	0.00014629	No
						Lnp	3.11868	1.45888	-1.09607	3.11968	1.45988	-1.0955483	0.00679736	No
						Lnx2	15.3883	5.13746	-1.58271	15.3893	5.13846	-1.5825197	0.00014629	No
						Lonp1	36.9501	59.0883	0.677294	36.9511	59.0893	0.6772796	0.00053701	No
						Lonp2	18.0319	90.5456	2.3281	18.0329	90.5466	2.32802904	0.00014629	No
						Lpar2	0.86738	0	-inf	0.86838	0.001	-9.7621827	0.00014629	No
						Lpar3	0	3.1244	inf	0.001	3.1254	11.6098251	0.00014629	No
						Lpar6	49.135	8.46927	-2.53644	49.136	8.47027	-2.5363006	0.00014629	No
						Lpcat1	12.1352	5.62859	-1.10836	12.1362	5.62959	-1.108215	0.00053701	No
						Lpcat4	19.9135	5.3273	-1.90227	19.9145	5.3283	-1.902072	0.00014629	No
						Lpgat1	4.89925	13.7673	1.49062	4.90025	13.7683	1.49042318	0.00014629	No
						Lphn2	0.062364	4.57507	6.19694	0.063364	4.57607	6.1743019	0.00014629	No
						Lpin1	25.5267	5.67842	-2.16845	25.5277	5.67942	-2.168248	0.00041099	No
						Lpin2	4.50104	6.72979	0.580303	4.50204	6.73079	0.58019697	0.015456	No
						Lpin3	14.7966	36.3133	1.29524	14.7976	36.3143	1.29517456	0.00014629	No
						Lpl	0	12.6429	inf	0.001	12.6439	13.6261539	0.00014629	No
						Lpxn	123.776	5.54119	-4.48139	123.777	5.54219	-4.4811433	0.00014629	No
						Lrch1	12.5866	2.58961	-2.28109	12.5876	2.59061	-2.2806395	0.00014629	No
						Lrch3	19.0522	4.64309	-2.0368	19.0532	4.64409	-2.0365655	0.00014629	No
						Lrch4	81.3053	19.0206	-2.09579	81.3063	19.0216	-2.0957285	0.00014629	No
						Lrif1	10.311	4.23069	-1.28522	10.312	4.23169	-1.2850183	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lrig1	57.0414	6.51467	-3.13025	57.0424	6.51567	-3.1300492	0.00014629	No
						Lrig2	10.2133	2.51214	-2.02345	10.2143	2.51314	-2.0230274	0.00014629	No
						Lrmp	39.0271	8.26186	-2.23994	39.0281	8.26286	-2.2398001	0.00090728	No
						Lrp1	0.173195	1.08087	2.64173	0.174195	1.08187	2.63475203	0.00014629	No
						Lrp12	0.212759	2.44605	3.52316	0.213759	2.44705	3.51698651	0.00014629	No
						Lrp5	1.79967	27.8324	3.95097	1.80067	27.8334	3.95021144	0.00014629	No
						Lrp6	8.80285	4.21077	-1.06389	8.80385	4.21177	-1.0637079	0.00014629	No
						Lrpap1	11.2817	116.155	3.36399	11.2827	116.156	3.36387942	0.00014629	No
						Lrrc1	10.1907	17.737	0.799503	10.1917	17.738	0.79944864	0.00114835	No
						Lrrc16a	0.28065	14.1925	5.66021	0.28165	14.1935	5.65518311	0.00014629	No
						Lrrc19	0.049196	14.5744	8.21067	0.050196	14.5754	8.18174736	0.019026	No
						Lrrc2	0.115914	2.38637	4.36369	0.116914	2.38737	4.35190257	0.00274649	No
						Lrrc25	0.176782	1.42703	3.01298	0.177782	1.42803	3.00584512	0.00566132	No
						Lrrc27	0	2.29629	inf	0.001	2.29729	11.1657173	0.00523722	No
						Lrrc29	0.654346	3.28878	2.32943	0.655346	3.28978	2.3276624	0.00161718	No
						Lrrc34	24.0075	2.76914	-3.11597	24.0085	2.77014	-3.1155145	0.0136225	No
						Lrrc39	6.11782	2.24924	-1.44358	6.11882	2.25024	-1.4431746	0.00195831	No
						Lrrc40	13.9441	6.51292	-1.09828	13.9451	6.51392	-1.0981604	0.00053701	No
						Lrrc45	29.7821	56.4306	0.922032	29.7831	56.4316	0.92200933	0.00014629	No
						Lrrc46	0.519101	2.4736	2.25253	0.520101	2.4746	2.25033163	0.0464366	No
						Lrrc47	31.6656	70.6531	1.15784	31.6666	70.6541	1.15781131	0.00014629	No
						Lrrc58	0.379955	3.58172	3.23675	0.380955	3.58272	3.2333628	0.00994441	No
						Lrrc59	15.4329	23.5343	0.608761	15.4339	23.5353	0.60872358	0.00470105	No
						Lrrc61	0.188343	1.84966	3.29582	0.189343	1.85066	3.28896588	0.00944816	No
						Lrrc66	0.0756528	1.8926	4.64483	0.0766528	1.8936	4.62664931	0.00914429	No
						Lrrc8a	30.0511	290.176	3.27144	30.0521	290.177	3.27139546	0.00014629	No
						Lrrc8b	35.9168	4.7238	-2.92664	35.9178	4.7248	-2.9263738	0.00014629	No
						Lrrfip2	12.2573	28.1656	1.2003	12.2583	28.1666	1.20022651	0.00014629	No
						Lrrk1	0.554349	7.99935	3.85102	0.555349	8.00035	3.84859652	0.00014629	No
						Lrrk2	1.15554	7.68061	2.73265	1.15654	7.68161	2.73159356	0.00014629	No
						Lrsam1	2.26223	13.6562	2.59374	2.26323	13.6572	2.59320662	0.00014629	No
						Lrtm2	0.18956	2.97688	3.97308	0.19056	2.97788	3.9659684	0.00014629	No
						Lrwd1	43.1695	15.2231	-1.50375	43.1705	15.2241	-1.5036889	0.00184429	No
						Lsg1	17.693	12.4615	-0.505702	17.694	12.4625	-0.5056667	0.0336436	No
						Lsm12	60.52	36.686	-0.722181	60.521	36.687	-0.7221669	0.00014629	No
						Lsm14a	71.4559	25.7488	-1.47255	71.4569	25.7498	-1.4725121	0.00014629	No
						Lsm14b	49.7879	15.2721	-1.70489	49.7889	15.2731	-1.7048312	0.00014629	No
						Lsm3	80.4187	48.7768	-0.721337	80.4197	48.7778	-0.7213243	0.00195831	No
						Lsm4	159.502	110.67	-0.527305	159.503	110.671	-0.5273063	0.0109563	No
						Lsm5	157.054	68.3313	-1.20064	157.055	68.3323	-1.2006303	0.00014629	No
						Lsm6	8.29979	3.54243	-1.22834	8.30079	3.54343	-1.2281021	0.0152626	No
						LSP1	223.428	22.7717	-3.2945	223.429	22.7727	-3.2944392	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lsr	2.28131	43.3346	4.24759	2.28231	43.3356	4.24698601	0.00014629	No
						Lta4h	14.9057	22.7222	0.608239	14.9067	22.7232	0.6082051	0.00833592	No
						Ltb	308.546	9.63928	-5.00042	308.547	9.64028	-5.0002714	0.00066215	No
						Ltn1	18.3875	7.79276	-1.23852	18.3885	7.79376	-1.2384124	0.00014629	No
						Ltv1	22.3823	14.3378	-0.642531	22.3833	14.3388	-0.6424985	0.0100448	No
						Luc7l3	112.278	42.7411	-1.39338	112.279	42.7421	-1.3933584	0.00014629	No
						LY49S6	8.34484	0.280052	-4.89712	8.34584	0.281052	-4.8921483	0.0417203	No
						Ly6al	0.460859	12.6751	4.78153	0.461859	12.6761	4.77851465	0.00014629	No
						Ly6c	292.381	61.5261	-2.24858	292.382	61.5271	-2.2485606	0.00014629	No
						Ly6e	573.579	94.797	-2.59708	573.58	94.798	-2.5970662	0.00014629	No
						Ly6i	0.13295	63.7043	8.90437	0.13395	63.7053	8.89357501	0.0106553	No
						Ly75	7.95354	0.469721	-4.08172	7.95454	0.470721	-4.0788344	0.00014629	No
						Ly9	84.0582	1.61143	-5.70498	84.0592	1.61243	-5.7040973	0.00014629	No
						Lyar	20.0214	7.88723	-1.34395	20.0224	7.88823	-1.3438414	0.00014629	No
						Lyl1	2.06011	10.0976	2.29322	2.06111	10.0986	2.29266189	0.0077167	No
						Lynx1	0.209296	7.95015	5.24736	0.210296	7.95115	5.24067022	0.0213766	No
						Lyplal1	0.492325	31.1087	5.98156	0.493325	31.1097	5.97868227	0.00041099	No
						Lyrn2	17.5058	28.7667	0.716565	17.5068	28.7677	0.71653448	0.00102864	No
						Lyrn7	3.66626	9.59353	1.38775	3.66726	9.59453	1.38750958	0.00014629	No
						Lyrn9	4.09346	11.3544	1.47186	4.09446	11.3554	1.47163343	0.00363169	No
						Lysmd2	9.40486	2.53231	-1.89295	9.40586	2.53331	-1.8925362	0.00014629	No
						Lysmd3	7.18434	2.50603	-1.51945	7.18534	2.50703	-1.5190772	0.00014629	No
						Lyve1	0.0858528	1.32435	3.94728	0.0868528	1.32535	3.93165723	0.00384649	No
						Lyz2	41.3177	89.9528	1.12241	41.3187	89.9538	1.12238936	0.00014629	No
						Lzic	16.6276	6.21752	-1.41917	16.6286	6.21852	-1.4190235	0.00014629	No
						Lztf1	2.97229	30.5771	3.36281	2.97329	30.5781	3.36236668	0.00014629	No
						Lzts2	3.61025	16.6532	2.20563	3.61125	16.6542	2.20531585	0.00014629	No
						M6pr	40.5706	28.7321	-0.497772	40.5716	28.7331	-0.4977565	0.0151721	No
						MacroD1	1.41931	100.149	6.14081	1.42031	100.15	6.13981276	0.00014629	No
						Mad1l1	13.9215	8.45882	-0.71879	13.9225	8.45982	-0.7187194	0.0192184	No
						Mad2l1	7.00714	2.6159	-1.42152	7.00814	2.6169	-1.4211728	0.0126456	No
						Madd	38.3111	12.7768	-1.58424	38.3121	12.7778	-1.5841606	0.00014629	No
						Maea	35.922	134.622	1.90598	35.923	134.623	1.90594517	0.00014629	No
						Maf	6.9898	138.822	4.31184	6.9908	138.823	4.31164524	0.00014629	No
						Maf1	140.74	80.6521	-0.803248	140.741	80.6531	-0.8032408	0.00114835	No
						Mafg	3.13264	22.5817	2.8497	3.13364	22.5827	2.84930663	0.00014629	No
						Maged2	3.71914	14.2736	1.94031	3.72014	14.2746	1.9400215	0.00014629	No
						Mageh1	1.85051	17.4087	3.23381	1.85151	17.4097	3.2331171	0.00014629	No
						Magi1	0.226938	12.0472	5.73025	0.227938	12.0482	5.72403235	0.00014629	No
						Magi3	3.8962	12.7962	1.71558	3.8972	12.7972	1.71531831	0.00014629	No
						Magoh	100.88	60.4303	-0.739302	100.881	60.4313	-0.7392866	0.00090728	No
						Magohb	26.6773	7.72249	-1.78848	26.6783	7.72349	-1.7883419	0.00028114	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Magt1	22.118	15.4163	-0.520769	22.119	15.4173	-0.520736	0.0270645	No
						Mak16	16.5666	9.53067	-0.797625	16.5676	9.53167	-0.7975637	0.0172634	No
						Mal	0.737938	88.8031	6.91097	0.738938	88.8041	6.90902915	0.00014629	No
						Mal2	0	16.093	inf	0.001	16.094	13.9742353	0.00014629	No
						Malsu1	9.98989	35.8109	1.84186	9.99089	35.8119	1.84175396	0.00014629	No
						Malt1	25.8877	3.22933	-3.00296	25.8887	3.23033	-3.0025691	0.00014629	No
						Mamdc4	0.964669	3.30587	1.77692	0.965669	3.30687	1.77586566	0.0298866	No
						Maml1	10.0303	2.60812	-1.94329	10.0313	2.60912	-1.9428734	0.0242332	No
						Maml2	10.8742	1.31489	-3.04789	10.8752	1.31589	-3.0469311	0.00014629	No
						Man1a1	63.6594	2.87786	-4.46731	63.6604	2.87886	-4.4668267	0.00014629	No
						Man1a2	15.0722	7.08327	-1.0894	15.0732	7.08427	-1.0892946	0.00459197	No
						Man1c1	24.2481	14.2419	-0.767731	24.2491	14.2429	-0.7676883	0.00230432	No
						Man2a1	37.5794	7.88561	-2.25265	37.5804	7.88661	-2.2525032	0.00014629	No
						Man2b1	103.739	150.193	0.53385	103.74	150.194	0.53385491	0.031633	No
						Man2c1	38.7248	78.8467	1.02579	38.7258	78.8477	1.02577363	0.00833592	No
						Manba	11.1532	25.8642	1.2135	11.1542	25.8652	1.2134253	0.00014629	No
						Manbal	24.5861	49.9561	1.02282	24.5871	49.9571	1.02278815	0.00014629	No
						Mansc1	0.0898733	8.03375	6.48204	0.0908733	8.03475	6.46625285	0.015456	No
						Maoa	0.148642	9.6164	6.01559	0.149642	9.6174	6.00605987	0.00374149	No
						Map1lc3a	12.622	115.919	3.19911	12.623	115.92	3.19900277	0.00014629	No
						Map1lc3b	105.814	183.898	0.79738	105.815	183.899	0.79736948	0.00195831	No
						Map2	0	0.951435	inf	0.001	0.952435	9.89547683	0.00533979	No
						Map2k2	55.291	284.516	2.36339	55.292	284.517	2.36337219	0.00014629	No
						Map2k3	3.45659	13.9951	2.01749	3.45759	13.9961	2.01718617	0.00014629	No
						Map2k4	18.1741	9.9412	-0.870392	18.1751	9.9422	-0.8703263	0.00555587	No
						Map2k5	13.1756	52.0714	1.98262	13.1766	52.0724	1.98254075	0.00014629	No
						Map2k6	20.6205	10.4533	-0.980114	20.6215	10.4543	-0.9800528	0.00053701	No
						Map3k1	35.9548	16.5341	-1.12074	35.9558	16.5351	-1.1206927	0.00014629	No
						Map3k11	11.4013	27.1146	1.24987	11.4023	27.1156	1.24979823	0.00014629	No
						Map3k14	19.5923	4.4708	-2.13169	19.5933	4.4718	-2.1314328	0.00014629	No
						Map3k2	11.9824	3.71596	-1.68911	11.9834	3.71696	-1.6888422	0.00014629	No
						Map3k3	26.2472	8.13934	-1.68918	26.2482	8.14034	-1.6890575	0.0178218	No
						Map3k5	14.8007	29.2015	0.980381	14.8017	29.2025	0.980329	0.00014629	No
						Map3k7cl	0	19.5404	inf	0.001	19.5414	14.2542462	0.0499148	No
						Map3k8	9.43587	2.38549	-1.98387	9.43687	2.38649	-1.9834181	0.00014629	No
						MAP4	26.7128	16.8543	-0.664416	26.7138	16.8553	-0.6643829	0.00066215	No
						Map4k1	64.2758	14.0604	-2.19264	64.2768	14.0614	-2.1925579	0.00014629	No
						Map4k3	7.21417	38.7076	2.42371	7.21517	38.7086	2.42354884	0.00014629	No
						Map4k4	53.8112	7.84409	-2.77823	53.8122	7.84509	-2.7780714	0.00014629	No
						Map4k5	1.14368	5.8819	2.3626	1.14468	5.8829	2.36158317	0.00014629	No
						Map7	0.424694	42.7452	6.65319	0.425694	42.7462	6.64983561	0.00014629	No
						Map7d1	33.9063	21.7941	-0.637614	33.9073	21.7951	-0.6375921	0.00161718	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mapk1	33.1967	19.7222	-0.751219	33.1977	19.7232	-0.7511897	0.00184429	No
						Mapk3	20.181	50.7359	1.33001	20.182	50.7369	1.32996622	0.00014629	No
						Mapk6	23.5912	14.1537	-0.737068	23.5922	14.1547	-0.7370288	0.0113536	No
						Mapk7	0.996552	2.91824	1.55008	0.997552	2.91924	1.54912887	0.00149937	No
						Mapk8	12.7574	4.53385	-1.49253	12.7584	4.53485	-1.4923207	0.00014629	No
						Mapk8ip1	0.203186	49.3092	7.92292	0.204186	49.3102	7.91585834	0.00014629	No
						Mapk8ip3	29.8632	15.091	-0.984682	29.8642	15.092	-0.9846331	0.00014629	No
						Mapkbp1	7.89487	1.99396	-1.98528	7.89587	1.99496	-1.9847384	0.00014629	No
						Mapre1	61.3142	27.5518	-1.15407	61.3152	27.5528	-1.1540458	0.00014629	No
						Mapre2	58.7132	18.1751	-1.69173	58.7142	18.1761	-1.6916668	0.00014629	No
						Mapre3	2.68539	28.374	3.40136	2.68639	28.375	3.40087972	0.00014629	No
						Mapt	0.117802	22.2002	7.55806	0.118802	22.2012	7.54593472	0.00014629	No
						Marcks	1.26198	5.11503	2.01906	1.26298	5.11603	2.01819293	0.0167011	No
						Marcksl1	3.69077	10.4632	1.50332	3.69177	10.4642	1.50307744	0.00041099	No
						Marf1	18.4897	9.1463	-1.01546	18.4907	9.1473	-1.015382	0.00041099	No
						Mark2	48.5265	32.8182	-0.564279	48.5275	32.8192	-0.5642625	0.0135258	No
						Mars	26.2795	77.0959	1.55272	26.2805	77.0969	1.55268013	0.00341151	No
						Marveld1	0.500406	3.91985	2.96963	0.501406	3.92085	2.96711528	0.0146937	No
						Mast2	6.40826	22.6946	1.82435	6.40926	22.6956	1.82418293	0.00014629	No
						Mast3	32.6429	21.7723	-0.584276	32.6439	21.7733	-0.5842533	0.00730705	No
						Mast4	0	6.93686	inf	0.001	6.93786	12.760275	0.00014629	No
						Matk	0.58144	2.79015	2.26264	0.58244	2.79115	2.26067832	0.00740907	No
						Matr3	106.95	35.5661	-1.58836	106.951	35.5671	-1.5883347	0.00014629	No
						Max	175.202	35.8747	-2.28798	175.203	35.8757	-2.2879486	0.00014629	No
						Maz	92.996	40.2498	-1.20819	92.997	40.2508	-1.2081667	0.00014629	No
						MBD3	67.313	98.1745	0.544463	67.314	98.1755	0.54445645	0.00679736	No
						Mbd4	5.69968	1.81398	-1.65172	5.70068	1.81498	-1.6511804	0.00639443	No
						Mbd5	5.06912	1.17574	-2.10816	5.07012	1.17674	-2.1072243	0.00014629	No
						Mbd6	21.6268	70.4125	1.70301	21.6278	70.4135	1.70296514	0.0107557	No
						Mbip	9.86485	5.52174	-0.837175	9.86585	5.52274	-0.8370591	0.00629035	No
						Mbl1	0	3.4502	inf	0.001	3.4512	11.7528824	0.00014629	No
						Mbnl1	399.125	40.6865	-3.29422	399.126	40.6875	-3.2941867	0.00014629	No
						Mbnl3	3.66382	0.747928	-2.29238	3.66482	0.748928	-2.2908434	0.00014629	No
						Mboat1	1.72909	8.98715	2.37785	1.73009	8.98815	2.37717711	0.00014629	No
						Mboat2	0.0474785	9.84808	7.69642	0.0484785	9.84908	7.6665001	0.00126596	No
						MBP	66.8227	6.89295	-3.27714	66.8237	6.89395	-3.2769571	0.00014629	No
						Mbtd1	22.0503	7.98971	-1.46458	22.0513	7.99071	-1.4644681	0.00014629	No
						Mbtps1	154	63.2977	-1.28271	154.001	63.2987	-1.2826919	0.00014629	No
						Mcam	0.544785	1.79437	1.71972	0.545785	1.79537	1.71787654	0.00812679	No
						Mcart1	6.75963	32.3602	2.25921	6.76063	32.3612	2.25903551	0.00014629	No
						Mcart1l	45.5192	0.502385	-6.50154	45.5202	0.503385	-6.4987009	0.00014629	No
						Mcat	9.57862	14.9054	0.637946	9.57962	14.9064	0.63789154	0.0150758	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mccc1	27.6338	109.065	1.98069	27.6348	109.066	1.98064335	0.00014629	No
						Mccc2	4.08658	49.7404	3.60545	4.08758	49.7414	3.60512824	0.00014629	No
						Mcee	6.3318	88.3232	3.8021	6.3328	88.3242	3.80189335	0.00014629	No
						Mcf2l	1.1992	14.0089	3.54619	1.2002	14.0099	3.54509992	0.00014629	No
						Mcm2	14.6006	6.40114	-1.18962	14.6016	6.40214	-1.1895003	0.00014629	No
						Mcm3	32.861	3.60274	-3.18921	32.862	3.60374	-3.1888535	0.00014629	No
						Mcm4	12.7063	3.23189	-1.97509	12.7073	3.23289	-1.9747612	0.00014629	No
						Mcm5	10.9083	5.25848	-1.05271	10.9093	5.25948	-1.0525665	0.00448672	No
						Mcm6	17.8081	3.81671	-2.22213	17.8091	3.81771	-2.2218352	0.00014629	No
						Mcm7	38.2965	14.8421	-1.36752	38.2975	14.8431	-1.3674578	0.00014629	No
						Mcoln1	9.01864	37.7466	2.06536	9.01964	37.7476	2.06524316	0.00014629	No
						Mcoln3	0	1.89341	inf	0.001	1.89441	10.8875329	0.00014629	No
						Mcrs1	26.0677	49.2345	0.917409	26.0687	49.2355	0.91738027	0.0117565	No
						Mcts1	43.9885	30.1794	-0.543561	43.9895	30.1804	-0.5435473	0.0287057	No
						Mcur1	9.91837	14.0344	0.500788	9.91937	14.0354	0.50074978	0.046797	No
						Mdc1	4.17054	1.90722	-1.12877	4.17154	1.90822	-1.1283526	0.00014629	No
						Mdfic	1.25988	6.6021	2.38963	1.26088	6.6031	2.38871252	0.00014629	No
						Mdh1	83.1781	910.199	3.45191	83.1791	910.2	3.45189061	0.00014629	No
						Mdh2	106.616	318.616	1.5794	106.617	318.617	1.57938575	0.00014629	No
						Mdm2	28.6707	17.1548	-0.740963	28.6717	17.1558	-0.740931	0.00090728	No
						Mdm4	99.2264	8.80187	-3.49484	99.2274	8.80287	-3.4946927	0.00014629	No
						Mdp1	17.8247	8.23929	-1.11329	17.8257	8.24029	-1.1131917	0.00438237	No
						Me1	0.153243	39.6989	8.01713	0.154243	39.6999	8.00778655	0.00041099	No
						Me2	12.2432	5.92729	-1.04654	12.2442	5.92829	-1.0464106	0.00014629	No
						Me3	0	9.65077	inf	0.001	9.65177	13.2365778	0.00014629	No
						Meaf6	27.9554	43.1267	0.625457	27.9564	43.1277	0.62543619	0.0279702	No
						Mecom	0	33.1105	inf	0.001	33.1115	15.0150447	0.00014629	No
						Mecr	4.0195	21.5954	2.42564	4.0205	21.5964	2.42534401	0.00014629	No
						Med1	26.7759	8.26492	-1.69586	26.7769	8.26592	-1.6957416	0.00014629	No
						Med12	56.9458	36.2112	-0.653153	56.9468	36.2122	-0.6531389	0.0266914	No
						Med13	15.5548	3.57578	-2.12103	15.5558	3.57678	-2.1207193	0.00014629	No
						Med13l	12.877	3.12277	-2.04389	12.878	3.12377	-2.0435484	0.00014629	No
						Med14	29.7949	15.5171	-0.941204	29.7959	15.5181	-0.9411619	0.00427532	No
						Med15	70.403	36.3951	-0.95189	70.404	36.3961	-0.9518735	0.00014629	No
						Med18	43.7943	14.6176	-1.58304	43.7953	14.6186	-1.5829709	0.00014629	No
						MED20	6.33257	17.1348	1.43607	6.33357	17.1358	1.43592272	0.00014629	No
						Med22	4.55445	14.9587	1.71564	4.55545	14.9597	1.71541576	0.00014629	No
						Med23	19.683	11.0085	-0.83833	19.684	11.0095	-0.8382745	0.0109563	No
						Med25	51.4533	129.965	1.33679	51.4543	129.966	1.3367707	0.00014629	No
						Med29	54.4785	147.714	1.43905	54.4795	147.715	1.43903097	0.00014629	No
						Med31	19.3374	72.8741	1.91401	19.3384	72.8751	1.91395752	0.00014629	No
						Med9	2.91443	9.00623	1.62771	2.91543	9.00723	1.62737482	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Medag	0	3.90549	inf	0.001	3.90649	11.9316572	0.00014629	No
						Mef2a	21.5791	8.0245	-1.42715	21.5801	8.0255	-1.4270384	0.00014629	No
						Megf9	0.72434	2.31167	1.67419	0.72534	2.31267	1.6728301	0.00090728	No
						Meis3	17.8109	10.024	-0.829302	17.8119	10.025	-0.8292392	0.00274649	No
						Melk	0.376087	7.77077	4.36892	0.377087	7.77177	4.36527389	0.00252712	No
						Memo1	73.3415	40.0552	-0.87264	73.3425	40.0562	-0.8726239	0.00053701	No
						Mep1a	0	99.8444	inf	0.001	99.8454	16.6074083	0.00014629	No
						Mep1b	0	19.6531	inf	0.001	19.6541	14.2625427	0.00014629	No
						Mesdc2	20.1592	33.4095	0.728817	20.1602	33.4105	0.72879162	0.00041099	No
						Mest	0.278013	3.42581	3.62322	0.279013	3.42681	3.61846196	0.0145969	No
						Met	0	22.3559	inf	0.001	22.3569	14.4484325	0.00014629	No
						Metap1	29.2508	20.3532	-0.523226	29.2518	20.3542	-0.5231989	0.0126456	No
						Metrnl	1.64658	16.3213	3.30921	1.64758	16.3223	3.30842394	0.00014629	No
						Mettl13	10.9577	6.36203	-0.784391	10.9587	6.36303	-0.7842908	0.00263402	No
						Mettl14	26.9826	14.3517	-0.910804	26.9836	14.3527	-0.9107607	0.00014629	No
						Mettl16	11.2012	6.91531	-0.695789	11.2022	6.91631	-0.6957077	0.0114542	No
						Mettl20	25.5381	11.2338	-1.18481	25.5391	11.2348	-1.1847332	0.00014629	No
						Mettl23	49.1647	23.6326	-1.05684	49.1657	23.6336	-1.0568128	0.00014629	No
						Mettl7a	14.0549	21.8701	0.637883	14.0559	21.8711	0.63784995	0.0124494	No
						Mettl7b	0	25.9086	inf	0.001	25.9096	14.6611991	0.00014629	No
						Mettl8	46.8457	25.1256	-0.898761	46.8467	25.1266	-0.898732	0.00649695	No
						Mettl9	18.4482	60.2383	1.7072	18.4492	60.2393	1.70714675	0.00014629	No
						Mex3b	6.93682	0.468646	-3.88771	6.93782	0.469646	-3.8848368	0.00014629	No
						Mfap3l	0.0570195	15.8096	8.11513	0.0580195	15.8106	8.09013854	0.0256152	No
						Mfng	44.0191	5.1425	-3.09759	44.0201	5.1435	-3.0973401	0.00014629	No
						Mfrp	0	2.07515	inf	0.001	2.07615	11.019695	0.00014629	No
						Mfsd1	14.0954	25.6418	0.863268	14.0964	25.6428	0.86322703	0.00014629	No
						Mfsd10	15.1516	4.60645	-1.71775	15.1526	4.60745	-1.7175249	0.00014629	No
						Mfsd3	19.3302	39.7673	1.04073	19.3312	39.7683	1.04068769	0.00053701	No
						Mfsd4	64.8308	9.9232	-2.7078	64.8318	9.9242	-2.7076789	0.00014629	No
						Mfsd6	16.5363	7.40138	-1.15977	16.5373	7.40238	-1.1596626	0.00041099	No
						Mfsd7	0.257009	1.78334	2.79469	0.258009	1.78434	2.78989725	0.0218441	No
						Mfsd8	14.2307	5.25515	-1.4372	14.2317	5.25615	-1.4370297	0.00028114	No
						Mfsd9	2.70817	1.15281	-1.23216	2.70917	1.15381	-1.2314453	0.00241835	No
						Mga	17.2511	4.93083	-1.80679	17.2521	4.93183	-1.806577	0.00014629	No
						Mgam	0.0542016	50.2524	9.85664	0.0552016	50.2534	9.83029541	0.00014629	No
						Mgat1	40.8684	25.6282	-0.673255	40.8694	25.6292	-0.6732326	0.00126596	No
						Mgat2	20.1014	8.69443	-1.20913	20.1024	8.69543	-1.2090385	0.00014629	No
						Mgat4b	5.20908	65.3021	3.64803	5.21008	65.3031	3.64777405	0.00014629	No
						MGC105649	19.8474	4.16151	-2.25377	19.8484	4.16251	-2.2534971	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						MGC108823	57.5077	6.12279	-3.2315	57.5087	6.12379	-3.2312835	0.00014629	No
						MGC112715	126.424	9.17059	-3.78511	126.425	9.17159	-3.7849661	0.00014629	No
						MGC112830	24.1411	16.5362	-0.545862	24.1421	16.5372	-0.5458362	0.0119499	No
						MGC116121	8.53655	16.0061	0.9069	8.53755	16.0071	0.90681793	0.00374149	No
						MGC125239	12.944	22.2945	0.784408	12.945	22.2955	0.78435759	0.00252712	No
						MGC94199	1.27766	9.90712	2.95497	1.27866	9.90812	2.95397864	0.00014629	No
						MGC94335	15.2979	24.7971	0.696845	15.2989	24.7981	0.69680166	0.0389571	No
						Mgea5	68.7019	36.0399	-0.930754	68.7029	36.0409	-0.930736	0.0426261	No
						Mgll	0.118547	166.022	10.4517	0.119547	166.023	10.4395895	0.00649695	No
						Mgmt	16.7021	38.7695	1.21489	16.7031	38.7705	1.21484346	0.00014629	No
						Mgrn1	20.3942	45.079	1.1443	20.3952	45.08	1.14425786	0.00014629	No
						Mgst1	3.63344	71.894	4.30646	3.63444	71.895	4.30608645	0.00014629	No
						Mgst3	8.19161	464.762	5.8262	8.19261	464.763	5.82602827	0.00028114	No
						Mia3	32.796	17.3544	-0.918216	32.797	17.3554	-0.9181792	0.00014629	No
						Mib2	9.60666	28.8267	1.5853	9.60766	28.8277	1.58519873	0.00014629	No
						Mical1	90.9194	32.4649	-1.48571	90.9204	32.4659	-1.4856788	0.00252712	No
						Mical3	3.41868	9.57388	1.48567	3.41968	9.57488	1.48539308	0.00014629	No
						Micu1	7.14344	13.7395	0.943637	7.14444	13.7405	0.94354166	0.00053701	No
						Mid1	0.145944	2.64381	4.17913	0.146944	2.64481	4.16982573	0.00014629	No
						Mid1ip1	14.9576	39.4763	1.40011	14.9586	39.4773	1.40004816	0.00014629	No
						Mien1	24.7436	63.3439	1.35615	24.7446	63.3449	1.35611475	0.00014629	No
						Mier1	60.9541	13.0463	-2.22408	60.9551	13.0473	-2.2239956	0.00014629	No
						Mif	281.826	731.203	1.37547	281.827	731.204	1.37546413	0.00014629	No
						Mif4gd	25.8041	38.808	0.588753	25.8051	38.809	0.58873504	0.0167972	No
						MiIP	23.273	84.6599	1.86302	23.274	84.6609	1.86297664	0.00041099	No
						Milr1	22.0601	1.81549	-3.60301	22.0611	1.81649	-3.6022794	0.00014629	No
						Mink1	42.0652	31.5309	-0.415863	42.0662	31.5319	-0.4158494	0.0369619	No
						Minos1	150.614	492.459	1.70915	150.615	492.46	1.70914109	0.00014629	No
						Minpp1	4.11646	18.8314	2.19366	4.11746	18.8324	2.19339033	0.00014629	No
						Miox	0.0340819	3434.7	16.6208	0.0350819	3434.701	16.5790981	0.00944816	No
						Mipep	2.72139	26.5075	3.28399	2.72239	26.5085	3.28350937	0.00014629	No
						Mipol1	1.15373	2.92602	1.34264	1.15473	2.92702	1.34187704	0.0114542	No
						Mir186	77.9206	21.1299	-1.88272	77.9216	21.1309	-1.8826691	0.00014629	No
						Mir21	43.9619	23.7356	-0.8892	43.9629	23.7366	-0.8891733	0.00090728	No
						Mir22	1.62124	11.5729	2.83558	1.62224	11.5739	2.83481591	0.00014629	No
						Mir221	0.546107	3.74014	2.77584	0.547107	3.74114	2.77358304	0.0333042	No
						Mir349	0.751977	46.4367	5.94843	0.752977	46.4377	5.94654691	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mir632	119.246	71.3003	-0.741955	119.247	71.3013	-0.7419527	0.00078603	No
						Mir678	70.4144	38.908	-0.855804	70.4154	38.909	-0.8557871	0.0269701	No
						Mir702	18.5005	43.1275	1.22105	18.5015	43.1285	1.2209993	0.0161245	No
						Mir761	79.2285	320.756	2.01739	79.2295	320.757	2.01737115	0.00014629	No
						Mis18bp1	8.62861	0.264377	-5.02846	8.62961	0.265377	-5.0231801	0.00014629	No
						Mitd1	17.2908	9.0683	-0.931102	17.2918	9.0693	-0.9310249	0.0161245	No
						Mitf	0.0643096	9.21872	7.16339	0.0653096	9.21972	7.14128405	0.00014629	No
						Mkl1	38.262	5.40346	-2.82396	38.263	5.40446	-2.8237276	0.00014629	No
						Mkln1	20.0189	77.0482	1.9444	20.0199	77.0492	1.94434521	0.00014629	No
						Mknk1	26.4319	11.345	-1.22023	26.4329	11.346	-1.2201509	0.00014629	No
						Mknk2	116.271	38.391	-1.59865	116.272	38.392	-1.5986261	0.00014629	No
						Mkrn1	37.6402	26.5371	-0.504264	37.6412	26.5381	-0.5042475	0.0227639	No
						Mks1	3.51107	6.808	0.955319	3.51207	6.809	0.95512133	0.00263402	No
						Mlana	0	7.27784	inf	0.001	7.27884	12.8294928	0.00014629	No
						Mlec	16.8755	31.2359	0.888275	16.8765	31.2369	0.88823555	0.00028114	No
						Mlf2	72.644	189.644	1.38437	72.645	189.645	1.38436593	0.00014629	No
						Mllt10	35.502	10.4385	-1.76598	35.503	10.4395	-1.7658883	0.00014629	No
						Mllt3	17.8671	4.60287	-1.9567	17.8681	4.60387	-1.9564672	0.00014629	No
						Mllt4	0.149605	34.9378	7.86749	0.150605	34.9388	7.85791658	0.00014629	No
						Mllt6	40.7845	15.0424	-1.43899	40.7855	15.0434	-1.4389257	0.00014629	No
						Mlph	0	18.2788	inf	0.001	18.2798	14.1579627	0.00014629	No
						Mlxip	6.92628	1.01736	-2.76725	6.92728	1.01836	-2.7660413	0.00014629	No
						Mmachc	2.86141	8.33468	1.5424	2.86241	8.33568	1.54206956	0.00014629	No
						Mmadhc	14.6786	54.7437	1.89898	14.6796	54.7447	1.89890664	0.00014629	No
						Mmp12	0	1.72455	inf	0.001	1.72555	10.7528406	0.00014629	No
						Mmp15	0	9.35453	inf	0.001	9.35553	13.1916037	0.00014629	No
						Mmp24	0.66779	10.6412	3.99412	0.66879	10.6422	3.99209934	0.00014629	No
						Mmrn2	0.350754	2.41957	2.78622	0.351754	2.42057	2.78270808	0.00014629	No
						Mms22l	1.05673	0.34466	-1.61636	1.05773	0.34566	-1.6135458	0.0106553	No
						Mnat1	32.3715	16.7079	-0.95419	32.3725	16.7089	-0.954152	0.00263402	No
						Mnf1	33.7311	125.879	1.89989	33.7321	125.88	1.89985504	0.00014629	No
						Mnt	11.2089	3.54539	-1.66063	11.2099	3.54639	-1.6603503	0.00014629	No
						Mob1a	43.7168	11.1952	-1.9653	43.7178	11.1962	-1.9652116	0.00014629	No
						Mob1b	12.0619	6.20738	-0.958407	12.0629	6.20838	-0.958288	0.00014629	No
						Mob2	52.9465	29.2168	-0.857736	52.9475	29.2178	-0.857715	0.00014629	No
						Mob3b	1.03367	6.69757	2.69586	1.03467	6.69857	2.69468244	0.00014629	No
						Mob4	20.7786	12.3495	-0.750648	20.7796	12.3505	-0.7505984	0.00078603	No
						Mocos	0.186086	2.81444	3.91881	0.187086	2.81544	3.9115869	0.00330073	No
						Mocs1	6.59902	15.0738	1.19172	6.60002	15.0748	1.19159656	0.00014629	No
						Mocs2	28.9205	47.8843	0.727459	28.9215	47.8853	0.72744046	0.00090728	No
						Mok	0.142691	15.3666	6.75076	0.143691	15.3676	6.74077836	0.00014629	No
						MON1A	29.1057	129.902	2.15805	29.1067	129.903	2.15801156	0.00014629	No

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						Mon1b	14.0278	8.60607	-0.704867	14.0288	8.60707	-0.7047975	0.0147863	No
						Mon2	50.4289	15.582	-1.69437	50.4299	15.583	-1.6943064	0.00014629	No
						Morc3	65.2752	6.898	-3.24228	65.2762	6.899	-3.2420979	0.00014629	No
						MORF4L1	219.578	138.229	-0.667673	219.579	138.23	-0.6676693	0.00028114	No
						Morf4l2	45.2505	73.8296	0.706266	45.2515	73.8306	0.70625327	0.00014629	No
						Morn1	0.421376	5.25763	3.64123	0.422376	5.25863	3.63808723	0.0337348	No
						Mospd1	1.37428	4.0957	1.57543	1.37528	4.0967	1.57473687	0.00195831	No
						Mov10	99.1961	17.2791	-2.52126	99.1971	17.2801	-2.5211864	0.00014629	No
						MP68	74.515	342.248	2.19944	74.516	342.249	2.19942419	0.00014629	No
						Mpa2l	228.26	8.79008	-4.69866	228.261	8.79108	-4.6985002	0.00014629	No
						Mpc1	47.9287	591.302	3.62493	47.9297	591.303	3.62490578	0.00014629	No
						Mpc2	40.601	335.753	3.04782	40.602	335.754	3.04778189	0.00014629	No
						Mpdu1	23.8193	45.0495	0.919382	23.8203	45.0505	0.91935154	0.00014629	No
						Mpdz	0	5.92571	inf	0.001	5.92671	12.5330158	0.00014629	No
						Mphosph10	25.3134	12.6836	-0.996934	25.3144	12.6846	-0.9968803	0.00014629	No
						Mphosph6	25.3097	15.4011	-0.716661	25.3107	15.4021	-0.7166203	0.00974684	No
						Mphosph8	57.0788	34.4395	-0.728893	57.0798	34.4405	-0.7288742	0.0135258	No
						Mphosph9	9.06684	2.18087	-2.0557	9.06784	2.18187	-2.0551938	0.00555587	No
						Mpi	14.6119	39.7562	1.44403	14.6129	39.7572	1.44397364	0.00014629	No
						Mpnd	96.2035	223.011	1.21295	96.2045	223.012	1.21294506	0.00014629	No
						Mpp5	4.48007	15.8604	1.82384	4.48107	15.8614	1.82360495	0.00014629	No
						Mpp6	8.04672	26.6944	1.73006	8.04772	26.6954	1.72993915	0.00014629	No
						Mpped2	0.241626	2.52181	3.38361	0.242626	2.52281	3.37822549	0.00219102	No
						Mprip	24.0261	97.8258	2.02561	24.0271	97.8268	2.02556722	0.00014629	No
						Mpv17l	0.0837912	25.2213	8.23363	0.0847912	25.2223	8.21656958	0.0167011	No
						Mpv17l2	19.7683	54.7423	1.46947	19.7693	54.7433	1.46942062	0.00014629	No
						Mpzl1	4.26056	10.3208	1.27644	4.26156	10.3218	1.27624103	0.00014629	No
						Mpzl2	0.531389	8.6569	4.02601	0.532389	8.6579	4.02346447	0.00078603	No
						Mr1	12.9414	0.959138	-3.75411	12.9424	0.960138	-3.7527196	0.00014629	No
						Mras	0.846038	17.5319	4.37311	0.847038	17.5329	4.37149414	0.00014629	No
						Mre11a	7.66161	4.85212	-0.659034	7.66261	4.85312	-0.6589233	0.00740907	No
						Mri1	13.6765	30.6068	1.16215	13.6775	30.6078	1.1620948	0.00014629	No
						Mro	0	100.057	inf	0.001	100.058	16.610477	0.00014629	No
						Mroh1	27.1538	114.116	2.07128	27.1548	114.117	2.07123458	0.00014629	No
						Mroh2a	0.0483572	7.22551	7.22322	0.0493572	7.22651	7.19389471	0.0478294	No
						Mroh6	1.37018	8.21739	2.58432	1.37118	8.21839	2.58343782	0.00014629	No
						Mrp63	62.9412	88.1719	0.486314	62.9422	88.1729	0.48630771	0.0333042	No
						Mrpl10	18.7266	33.622	0.844322	18.7276	33.623	0.84428243	0.00014629	No
						mrpl11	27.9395	72.9865	1.38533	27.9405	72.9875	1.38529157	0.00014629	No
						Mrpl12	33.9938	199.451	2.55269	33.9948	199.452	2.5526556	0.00014629	No
						Mrpl13	38.8395	85.935	1.14572	38.8405	85.936	1.14570085	0.00053701	No

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						Mrpl15	27.1196	175.031	2.6902	27.1206	175.032	2.6901577	0.00014629	No
						Mrpl16	10.5528	48.0601	2.18722	10.5538	48.0611	2.18710712	0.00014629	No
						Mrpl17	52.6372	128.242	1.28471	52.6382	128.243	1.28469802	0.00014629	No
						Mrpl19	10.4128	15.7832	0.600032	10.4138	15.7842	0.59998454	0.0428888	No
						Mrpl2	21.8628	65.3126	1.57888	21.8638	65.3136	1.57883926	0.00014629	No
						Mrpl21	23.7758	40.2739	0.760349	23.7768	40.2749	0.76032644	0.0188385	No
						Mrpl22	24.057	66.8074	1.47355	24.058	66.8084	1.4735128	0.00014629	No
						Mrpl27	35.6865	128.751	1.85113	35.6875	128.752	1.8511041	0.00014629	No
						Mrpl28	27.4844	94.8575	1.78715	27.4854	94.8585	1.78711158	0.00014629	No
						Mrpl3	19.235	36.6835	0.931394	19.236	36.6845	0.93136179	0.00014629	No
						MRPL30	11.1239	34.5825	1.63638	11.1249	34.5835	1.63629152	0.00014629	No
						Mrpl33	114.781	160.701	0.485488	114.782	160.702	0.48549147	0.0377543	No
						Mrpl34	60.2823	122.297	1.02058	60.2833	122.298	1.02057051	0.00014629	No
						Mrpl35	23.157	41.3391	0.836061	23.158	41.3401	0.83603122	0.00207488	No
						Mrpl36	37.247	57.2564	0.620313	37.248	57.2574	0.6202992	0.00710369	No
						Mrpl39	13.923	22.5777	0.697428	13.924	22.5787	0.6973887	0.0152626	No
						Mrpl4	24.7126	46.6121	0.915458	24.7136	46.6131	0.91543028	0.00014629	No
						Mrpl40	6.09445	15.7885	1.3733	6.09545	15.7895	1.37316085	0.00014629	No
						Mrpl41	31.599	71.2496	1.173	31.6	71.2506	1.1729776	0.00014629	No
						Mrpl42	49.8082	102.381	1.0395	49.8092	102.382	1.03947795	0.00014629	No
						Mrpl44	18.6237	27.0513	0.538558	18.6247	27.0523	0.53853407	0.0327003	No
						Mrpl45	15.5664	22.7446	0.547088	15.5674	22.7456	0.54705948	0.0285184	No
						Mrpl47	11.1465	25.752	1.2081	11.1475	25.753	1.2080203	0.0255267	No
						MRPL48	23.2444	64.7391	1.47775	23.2454	64.7401	1.47771434	0.00014629	No
						Mrpl49	10.6768	33.9804	1.67023	10.6778	33.9814	1.67013086	0.00014629	No
						Mrpl50	7.84281	30.6725	1.9675	7.84381	30.6735	1.9673663	0.00014629	No
						Mrpl51	5.77881	12.9733	1.1667	5.77981	12.9743	1.16656273	0.00195831	No
						Mrpl52	47.122	101.461	1.10645	47.123	101.462	1.10643621	0.00014629	No
						Mrpl54	50.2702	174.366	1.79434	50.2712	174.367	1.79432299	0.00014629	No
						Mrpl55	26.016	79.6773	1.61477	26.017	79.6783	1.61473225	0.00014629	No
						Mrps11	16.8026	48.2952	1.52319	16.8036	48.2962	1.52313933	0.00014629	No
						Mrps12	22.2332	38.0574	0.775462	22.2342	38.0584	0.77543441	0.0380071	No
						Mrps14	15.0396	32.6071	1.11642	15.0406	32.6081	1.11636826	0.00014629	No
						Mrps15	69.5179	32.1423	-1.11291	69.5189	32.1433	-1.1128872	0.00014629	No
						Mrps16	36.5363	150.912	2.0463	36.5373	150.913	2.04627516	0.00014629	No
						Mrps17	27.2416	56.0194	1.04011	27.2426	56.0204	1.04008789	0.00014629	No
						Mrps18a	32.1379	95.5488	1.57196	32.1389	95.5498	1.5719323	0.00014629	No
						Mrps18b	34.3335	91.7963	1.41882	34.3345	91.7973	1.41879277	0.00014629	No
						Mrps18c	30.8213	57.3377	0.895558	30.8223	57.3387	0.89553467	0.00078603	No
						MRPS21	141.757	265.855	0.907221	141.758	265.856	0.90721487	0.00014629	No
						MRPS23	57.866	94.6681	0.710163	57.867	94.6691	0.71015275	0.00363169	No
						Mrps24	56.0524	81.2129	0.534932	56.0534	81.2139	0.53492479	0.0188385	No

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						Mrps25	51.9337	163.784	1.65705	51.9347	163.785	1.65703254	0.00014629	No
						Mrps28	44.2572	102.791	1.21574	44.2582	102.792	1.21571131	0.00014629	No
						Mrps31	19.3205	34.0806	0.818819	19.3215	34.0816	0.81878597	0.00028114	No
						Mrps34	55.2497	186.539	1.75544	55.2507	186.54	1.75542037	0.00014629	No
						Mrps36	30.9187	91.9266	1.572	30.9197	91.9276	1.57197175	0.00014629	No
						Mrps7	17.5798	70.9578	2.01304	17.5808	70.9588	2.01298089	0.00053701	No
						Mrvi1	0.105535	8.56826	6.34321	0.106535	8.56926	6.32977124	0.00014629	No
						Ms4a4c	218.415	2.01018	-6.7636	218.416	2.01118	-6.7628925	0.00014629	No
						Ms4a6b	291.295	9.07287	-5.00478	291.296	9.07387	-5.0046241	0.00014629	No
						Msantd2	26.685	12.1624	-1.13361	26.686	12.1634	-1.1335365	0.00014629	No
						Msantd3	0	2.5968	inf	0.001	2.5978	11.3430746	0.00014629	No
						Msantd4	5.86785	11.8079	1.00885	5.86885	11.8089	1.00872484	0.00028114	No
						Msh2	27.465	8.51009	-1.69035	27.466	8.51109	-1.690231	0.00014629	No
						Msi2	48.6854	24.5974	-0.984981	48.6864	24.5984	-0.9849543	0.0126456	No
						Msl1	57.4967	16.3618	-1.81315	57.4977	16.3628	-1.8130846	0.00014629	No
						Msl2	34.8184	9.28889	-1.90627	34.8194	9.28989	-1.9061579	0.00014629	No
						Msln	0	4.24374	inf	0.001	4.24474	12.0514605	0.00014629	No
						Mslnl	3.49659	1.23	-1.50729	3.49759	1.231	-1.5065304	0.0118533	No
						Msmo1	6.88211	22.1764	1.6881	6.88311	22.1774	1.68795777	0.00014629	No
						Msn	340.22	120.393	-1.49872	340.221	120.394	-1.4987087	0.00014629	No
						Msra	3.55642	182.8	5.6837	3.55742	182.801	5.68329884	0.00014629	No
						Mst4	72.5384	2.27344	-4.9958	72.5394	2.27444	-4.9951815	0.00014629	No
						Mt1a	66.8068	1655.75	4.63135	66.8078	1655.751	4.63132537	0.00014629	No
						Mt2A	1.69006	2122.23	10.2943	1.69106	2122.231	10.2934381	0.00102864	No
						Mta3	44.3271	18.4376	-1.26554	44.3281	18.4386	-1.2654924	0.00014629	No
						Mtap	15.4634	4.55236	-1.76417	15.4644	4.55336	-1.7639474	0.00014629	No
						Mtch1	82.884	140.083	0.757112	82.885	140.084	0.75710924	0.00014629	No
						Mtch2	28.8732	83.6214	1.53414	28.8742	83.6224	1.53410847	0.00014629	No
						Mtcp1	43.3916	74.3131	0.776199	43.3926	74.3141	0.77618693	0.0457453	No
						Mtdh	26.0921	5.05423	-2.36805	26.0931	5.05523	-2.3678197	0.00014629	No
						Mterfd2	13.3262	20.3298	0.609332	13.3272	20.3308	0.60929328	0.0321606	No
						Mterfd3	5.98011	3.35692	-0.833035	5.98111	3.35792	-0.8328454	0.0454894	No
						Mtf2	15.3089	4.36921	-1.80892	15.3099	4.37021	-1.8086903	0.00014629	No
						Mtfmt	8.39909	43.4087	2.36968	8.40009	43.4097	2.36954076	0.00014629	No
						Mtfp1	1.09203	13.7442	3.65373	1.09303	13.7452	3.652523	0.00014629	No
						Mtfr1	4.69337	11.4896	1.29163	4.69437	11.4906	1.29145067	0.0448712	No
						Mtfr1l	30.9716	44.4631	0.521662	30.9726	44.4641	0.52164849	0.0133356	No
						Mthfd1	24.9904	34.4656	0.463785	24.9914	34.4666	0.46376727	0.0243269	No
						Mthfd1l	11.2192	0.577464	-4.2801	11.2202	0.578464	-4.2777274	0.00014629	No
						Mthfd2	52.7761	8.64048	-2.6107	52.7771	8.64148	-2.6105618	0.00014629	No
						Mthfr	0.72192	9.67354	3.74413	0.72292	9.67454	3.74228516	0.00014629	No
						Mthfsd	2.31976	4.41933	0.929854	2.32076	4.42033	0.92955674	0.0242332	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mtif3	5.63267	13.9139	1.30463	5.63367	13.9149	1.30448358	0.00792329	No
						Mtm1	7.01464	19.1756	1.45083	7.01564	19.1766	1.45070033	0.00014629	No
						Mtmr10	0.841342	13.8289	4.03885	0.842342	13.8299	4.03724081	0.00014629	No
						Mtmr11	0.341591	50.9259	7.21999	0.342591	50.9269	7.21579684	0.00014629	No
						MTMR12	19.0698	5.62496	-1.76138	19.0708	5.62596	-1.7611942	0.00014629	No
						Mtmr14	19.2894	43.4162	1.17043	19.2904	43.4172	1.17038363	0.0213766	No
						Mtmr3	25.3567	16.6478	-0.607034	25.3577	16.6488	-0.6070057	0.0232282	No
						Mtmr9	6.43405	4.03887	-0.671777	6.43505	4.03987	-0.6716425	0.0225745	No
						Mtor	9.66107	20.6166	1.09355	9.66207	20.6176	1.09347219	0.00395247	No
						Mtpap	19.6356	6.8625	-1.51666	19.6366	6.8635	-1.5165288	0.00014629	No
						Mtr	7.64337	5.4259	-0.494346	7.64437	5.4269	-0.4942693	0.0428888	No
						Mtrf1	1.47857	6.53426	2.14382	1.47957	6.53526	2.14306668	0.00053701	No
						Mtrr	12.0516	6.85795	-0.81338	12.0526	6.85895	-0.8132848	0.0136225	No
						Mtus1	0.962087	15.1667	3.97859	0.963087	15.1677	3.9771924	0.00014629	No
						Mtx3	12.8276	34.554	1.4296	12.8286	34.555	1.42953074	0.0126456	No
						Muc1	0.618209	35.9917	5.86343	0.619209	35.9927	5.86113408	0.00014629	No
						Muc6	7.82051	1.04363	-2.90565	7.82151	1.04463	-2.9044551	0.0241459	No
						Mum1	31.6505	16.8015	-0.913637	31.6515	16.8025	-0.913598	0.00014629	No
						Mustn1	14.8725	8.71879	-0.770449	14.8735	8.71979	-0.7703789	0.0242332	No
						Mut	6.18442	18.3605	1.56989	6.18542	18.3615	1.56974046	0.00014629	No
						Mutyh	27.6439	4.09417	-2.75532	27.6449	4.09517	-2.7550181	0.00014629	No
						Mvb12a	19.9311	78.725	1.9818	19.9321	78.726	1.98174646	0.00014629	No
						Mvb12b	9.98518	6.48562	-0.622544	9.98618	6.48662	-0.622466	0.0103501	No
						Mvd	6.34037	19.4435	1.61665	6.34137	19.4445	1.61649568	0.0377543	No
						Mx1	156.397	4.67298	-5.06472	156.398	4.67398	-5.0644267	0.00014629	No
						Mx2	24.5519	7.94851	-1.62708	24.5529	7.94951	-1.6269556	0.0138196	No
						Mxi1	20.463	52.581	1.36152	20.464	52.582	1.36148085	0.00014629	No
						Mxra7	1.10878	13.3571	3.59056	1.10978	13.3581	3.58936921	0.00296747	No
						Mxra8	0.283975	6.69662	4.55959	0.284975	6.69762	4.55474126	0.00014629	No
						Myadm	29.1855	14.8251	-0.977203	29.1865	14.8261	-0.9771621	0.00014629	No
						Myb	19.5938	0.958339	-4.35372	19.5948	0.959339	-4.3522863	0.00014629	No
						Mybbp1a	27.4584	11.0632	-1.31149	27.4594	11.0642	-1.311401	0.00219102	No
						Myc	64.0118	19.9945	-1.67874	64.0128	19.9955	-1.6786851	0.00014629	No
						Mycbp	12.237	57.6905	2.23708	12.238	57.6915	2.23699097	0.00090728	No
						Mycbp2	57.368	6.64181	-3.1106	57.369	6.64281	-3.1104058	0.00014629	No
						Mycbpap	0.0799111	4.76328	5.89742	0.0809111	4.76428	5.87977676	0.0237851	No
						Myd88	26.1988	15.592	-0.748693	26.1998	15.593	-0.7486573	0.00114835	No
						Myef2	34.6552	22.0981	-0.649146	34.6562	22.0991	-0.6491259	0.00330073	No
						Myeov2	100.668	244.226	1.27861	100.669	244.227	1.27860321	0.00014629	No
						Myg1	29.567	53.2876	0.849811	29.568	53.2886	0.84979027	0.00014629	No
						Myh7b	0.0795472	66.8802	9.71555	0.0805472	66.8812	9.69755058	0.00252712	No
						MYH9	11.6144	3.05637	-1.92602	11.6154	3.05737	-1.9256758	0.0125475	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Myl12a	136.114	284.53	1.06377	136.115	284.531	1.06375978	0.00014629	No
						Myl12b	522.383	263.03	-0.989881	522.384	263.031	-0.9898779	0.00014629	No
						Myl9	2.08192	8.21575	1.98047	2.08292	8.21675	1.97996044	0.00053701	No
						Mylip	65.5335	10.8975	-2.58824	65.5345	10.8985	-2.588125	0.00014629	No
						Mylk	0.309749	6.85398	4.46777	0.310749	6.85498	4.4633308	0.00014629	No
						Mynn	9.74959	2.05785	-2.2442	9.75059	2.05885	-2.2436508	0.00014629	No
						Myo10	1.53622	12.4041	3.01336	1.53722	12.4051	3.01253781	0.00014629	No
						MYO18A	6.31731	25.9003	2.03559	6.31831	25.9013	2.03541388	0.00014629	No
						Myo1d	0.478834	24.65	5.68592	0.479834	24.651	5.68296697	0.00014629	No
						Myo1g	71.9889	18.6181	-1.95107	71.9899	18.6191	-1.9510112	0.00014629	No
						Myo5c	3.73784	14.1883	1.92442	3.73884	14.1893	1.92414078	0.00014629	No
						Myo6	0.0770567	41.9041	9.08695	0.0780567	41.9051	9.06838765	0.00014629	No
						Myo7b	0	4.85034	inf	0.001	4.85134	12.2441676	0.00014629	No
						Myo9a	2.67467	4.46744	0.740091	2.67567	4.46844	0.73987106	0.00102864	No
						Myo9b	87.9844	33.7223	-1.38354	87.9854	33.7233	-1.3835184	0.00014629	No
						Myof	0.311468	24.2249	6.28126	0.312468	24.2259	6.276698	0.00014629	No
						Myrf	0.264036	12.5848	5.57481	0.265036	12.5858	5.56946478	0.00014629	No
						Mysm1	18.468	4.84695	-1.92988	18.469	4.84795	-1.929659	0.00014629	No
						Mzf1	0.648479	1.76565	1.44506	0.649479	1.76665	1.44366146	0.00954394	No
						Mzt2b	21.6929	11.5889	-0.904472	21.6939	11.5899	-0.9044213	0.004167	No
						N4bp1	16.5802	7.55813	-1.13336	16.5812	7.55913	-1.1332563	0.00014629	No
						N4bp2	207.261	16.3193	-3.6668	207.262	16.3203	-3.6667162	0.00014629	No
						N4bp2l1	22.3928	3.63124	-2.6245	22.3938	3.63224	-2.6241679	0.00014629	No
						N4bp2l2	55.8389	22.8007	-1.29219	55.8399	22.8017	-1.292155	0.00014629	No
						N6amt1	9.04647	27.2124	1.58884	9.04747	27.2134	1.58873089	0.00014629	No
						Naa10	58.4756	93.734	0.680736	58.4766	93.735	0.68072841	0.00230432	No
						Naa15	15.8592	5.31946	-1.57597	15.8602	5.32046	-1.5757881	0.00014629	No
						Naa16	27.0787	9.52933	-1.50671	27.0797	9.53033	-1.5066137	0.00014629	No
						Naa20	25.8796	64.1449	1.30952	25.8806	64.1459	1.30948599	0.00014629	No
						Naa38	53.6697	23.8261	-1.17156	53.6707	23.8271	-1.1715313	0.00014629	No
						Naa40	3.18812	7.2091	1.17711	3.18912	7.2101	1.17686088	0.00028114	No
						Naaa	4.13777	1.65837	-1.31909	4.13877	1.65937	-1.3185665	0.00629035	No
						Nab1	11.0433	6.00733	-0.87837	11.0443	6.00833	-0.878266	0.00014629	No
						Nab2	38.9311	19.1485	-1.02369	38.9321	19.1495	-1.0236534	0.00700299	No
						Nabp1	19.198	55.067	1.52023	19.199	55.068	1.52018304	0.00014629	No
						Nabp2	47.9486	66.5247	0.472401	47.9496	66.5257	0.47239301	0.0413818	No
						Naca	1488.88	648.933	-1.19809	1488.881	648.934	-1.1980848	0.00014629	No
						Nacc1	24.9448	9.98824	-1.32044	24.9458	9.98924	-1.3203501	0.00014629	No
						Nacc2	0.0518511	14.5452	8.13195	0.0528511	14.5462	8.1044931	0.00566132	No
						Nadk2	21.0834	7.96609	-1.40416	21.0844	7.96709	-1.4040512	0.00014629	No
						Nadsyn1	5.54832	11.034	0.991829	5.54932	11.035	0.99170373	0.00078603	No
						Naga	5.51431	39.261	2.83184	5.51531	39.262	2.83161978	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nagk	5.78882	47.0015	3.02137	5.78982	47.0025	3.02114709	0.00014629	No
						Naglu	3.06708	12.0955	1.97953	3.06808	12.0965	1.97918167	0.00014629	No
						Nampt	9.51215	20.331	1.09584	9.51315	20.332	1.0957571	0.00014629	No
						Nanos1	1.04891	0	-inf	1.04991	0.001	-10.03605	0.00041099	No
						Nanp	9.16068	5.49631	-0.736992	9.16168	5.49731	-0.7368863	0.0356993	No
						Nans	18.4499	37.9008	1.03861	18.4509	37.9018	1.03857518	0.00014629	No
						Nap1l1	388.475	47.3604	-3.03607	388.476	47.3614	-3.0360418	0.00014629	No
						Nap1l3	0	3.16584	inf	0.001	3.16684	11.6288283	0.00014629	No
						Nap1l4	74.9103	34.0561	-1.13725	74.9113	34.0571	-1.1372278	0.00014629	No
						Napa	49.9955	113.435	1.182	49.9965	113.436	1.18197956	0.00014629	No
						Napepld	0.630191	3.10987	2.303	0.631191	3.11087	2.30116957	0.0420475	No
						Naprt1	0.485784	256.667	9.04537	0.486784	256.668	9.04240598	0.00090728	No
						Napsa	3.8955	258.288	6.05103	3.8965	258.289	6.05066358	0.00014629	No
						Narf	19.2791	13.395	-0.525335	19.2801	13.396	-0.5253103	0.0330385	No
						Narfl	11.7809	29.4563	1.32213	11.7819	29.4573	1.32205299	0.00014629	No
						Nars	43.9492	29.4697	-0.576606	43.9502	29.4707	-0.5765884	0.00405996	No
						Nasp	32.5219	14.8704	-1.12896	32.5229	14.8714	-1.1289154	0.00330073	No
						Nat14	0.309345	2.41813	2.9666	0.310345	2.41913	2.96254349	0.00659461	No
						NAT2	4.83832	7.92543	0.711984	4.83932	7.92643	0.71186689	0.0418893	No
						Nat8b	14.5563	111.054	2.93155	14.5573	111.055	2.93145965	0.00014629	No
						Nbas	7.16126	15.178	1.0837	7.16226	15.179	1.08358995	0.0233164	No
						Nbea	0.0111919	3.37177	8.23491	0.0121919	3.37277	8.11186715	0.00195831	No
						Nbeal2	55.0856	29.7666	-0.887983	55.0866	29.7676	-0.8879585	0.0478294	No
						Nbn	8.17376	12.1221	0.568572	8.17476	12.1231	0.56851038	0.0231421	No
						Nbr1	37.0259	52.4138	0.501413	37.0269	52.4148	0.50140047	0.0102511	No
						Ncald	3.85066	6.64337	0.78681	3.85166	6.64437	0.78665206	0.00566132	No
						Ncam1	0	7.04758	inf	0.001	7.04858	12.7831169	0.00014629	No
						Ncapd3	3.86963	1.77842	-1.1216	3.87063	1.77942	-1.1211613	0.00041099	No
						Ncapg2	1.63005	0.822154	-0.987431	1.63105	0.823154	-0.9865667	0.0381731	No
						Ncaph2	28.7727	15.1746	-0.923045	28.7737	15.1756	-0.9229972	0.00053701	No
						Ncbp1	38.6568	102.275	1.40366	38.6578	102.276	1.4036362	0.00014629	No
						Ncbp2	32.6971	19.5206	-0.744165	32.6981	19.5216	-0.7441355	0.00114835	No
						Ncdn	9.47361	6.40197	-0.565398	9.47461	6.40297	-0.5653253	0.0222999	No
						Ncf4	1.20252	4.56638	1.92499	1.20352	4.56738	1.92410671	0.00341151	No
						Nck1	27.9495	16.3231	-0.775909	27.9505	16.3241	-0.7758706	0.00184429	No
						Nckap1	0.856684	58.388	6.09076	0.857684	58.389	6.08910659	0.00014629	No
						Nckap1l	45.9217	2.53323	-4.18012	45.9227	2.53423	-4.1795881	0.00014629	No
						Nckap5	0	0.927439	inf	0.001	0.928439	9.85866332	0.00014629	No
						Nckap5l	6.87435	1.18728	-2.53356	6.87535	1.18828	-2.5325583	0.00014629	No
						Ncl	256.269	107.164	-1.25784	256.27	107.165	-1.2578308	0.00014629	No
						Ncln	108.328	73.5421	-0.558764	108.329	73.5431	-0.5587576	0.00751085	No
						Ncoa1	23.615	12.6267	-0.903223	23.616	12.6277	-0.9031727	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ncoa2	17.7465	3.90628	-2.18367	17.7475	3.90728	-2.1833793	0.00014629	No
						Ncoa3	48.9892	4.89923	-3.32184	48.9902	4.90023	-3.3215718	0.00014629	No
						Ncoa4	25.4294	43.7464	0.782668	25.4304	43.7474	0.78264312	0.00014629	No
						Ncoa6	13.325	5.30223	-1.32947	13.326	5.30323	-1.3293006	0.00014629	No
						NCOA7	17.5404	30.8416	0.814198	17.5414	30.8426	0.81416049	0.00114835	No
						Ndc1	5.43518	2.45443	-1.14694	5.43618	2.45543	-1.1466175	0.00014629	No
						Ndel1	37.152	57.3216	0.625637	37.153	57.3226	0.62562534	0.023691	No
						Ndr1	10.9236	785.517	6.16812	10.9246	785.518	6.16799197	0.00014629	No
						Ndr2	3.17573	51.2787	4.0132	3.17673	51.2797	4.01277344	0.00014629	No
						Ndst1	0.112935	19.3585	7.42133	0.113935	19.3595	7.40868688	0.00014629	No
						Ndst2	14.6026	6.07842	-1.26445	14.6036	6.07942	-1.2643185	0.0182953	No
						Ndufa1	291.305	676.82	1.21624	291.306	676.821	1.21623892	0.00014629	No
						Ndufa10	37.6826	109.269	1.53592	37.6836	109.27	1.53588866	0.00014629	No
						Ndufa11	80.9185	599.988	2.89039	80.9195	599.989	2.89037674	0.00014629	No
						Ndufa12	66.9565	331.658	2.3084	66.9575	331.659	2.30838311	0.00014629	No
						Ndufa13	135.381	413.957	1.61245	135.382	413.958	1.61244846	0.00014629	No
						Ndufa2	59.2899	277.219	2.22517	59.2909	277.22	2.22514874	0.00014629	No
						Ndufa3	125.395	434.515	1.79293	125.396	434.516	1.79291797	0.00014629	No
						Ndufa4	187.909	873.153	2.2162	187.91	873.154	2.21619428	0.00014629	No
						Ndufa5	55.7517	309.64	2.47351	55.7527	309.641	2.47348293	0.00014629	No
						Ndufa6	157.291	538.543	1.77562	157.292	538.544	1.77561892	0.00014629	No
						Ndufa8	49.579	164.489	1.73019	49.58	164.49	1.7301697	0.00014629	No
						Ndufa9	50.6585	164.9	1.70271	50.6595	164.901	1.7026954	0.00014629	No
						Ndufab1	63.3919	328.275	2.37254	63.3929	328.276	2.37251611	0.00014629	No
						Ndufaf1	2.51442	7.07126	1.49174	2.51542	7.07226	1.49137201	0.00041099	No
						Ndufaf4	28.993	12.7057	-1.19023	28.994	12.7067	-1.190165	0.00014629	No
						Ndufaf5	10.456	24.5217	1.22972	10.457	24.5227	1.22964881	0.00028114	No
						Ndufaf6	5.12039	13.6739	1.4171	5.12139	13.6749	1.41692295	0.00041099	No
						Ndufb10	127.099	396.905	1.64285	127.1	396.906	1.64283334	0.00014629	No
						Ndufb11	170.963	392.92	1.20055	170.964	392.921	1.20054671	0.00014629	No
						Ndufb2	130.683	522.948	2.00059	130.684	522.949	2.00058774	0.00014629	No
						Ndufb3	69.3127	285.618	2.04289	69.3137	285.619	2.04287952	0.00014629	No
						Ndufb5	53.1353	234.38	2.14111	53.1363	234.381	2.14108594	0.00014629	No
						Ndufb6	72.5795	335.363	2.20809	72.5805	335.364	2.20807393	0.00014629	No
						Ndufb7	54.4814	471.152	3.11236	54.4824	471.153	3.11233347	0.00014629	No
						Ndufb8	131.297	459.661	1.80773	131.298	459.662	1.80772846	0.00014629	No
						Ndufb9	99.4061	462.145	2.21694	99.4071	462.146	2.21692789	0.00014629	No
						Ndufc1	41.5899	425.09	3.35346	41.5909	425.091	3.35343191	0.00014629	No
						Ndufc2	94.5533	191.347	1.01699	94.5543	191.348	1.01698385	0.00014629	No
						Ndufs1	19.3091	107.547	2.47761	19.3101	107.548	2.47755316	0.00014629	No
						Ndufs2	56.4433	206.266	1.86963	56.4443	206.267	1.86961322	0.00014629	No
						Ndufs3	47.2196	289.675	2.61697	47.2206	289.676	2.61695188	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ndufs4	19.3261	61.2634	1.66447	19.3271	61.2644	1.66442381	0.00014629	No
						Ndufs5	82.5923	307.964	1.89868	82.5933	307.965	1.89866974	0.00014629	No
						Ndufs7	99.5204	640.825	2.68687	99.5214	640.826	2.686854	0.00014629	No
						Ndufs8	49.372	295.047	2.57918	49.373	295.048	2.57915547	0.00014629	No
						Ndufv1	68.1477	250.688	1.87916	68.1487	250.689	1.87914065	0.00014629	No
						Ndufv2	80.0384	334.892	2.06493	80.0394	334.893	2.06491796	0.00014629	No
						Ndufv3	45.4472	107.033	1.2358	45.4482	107.034	1.23577409	0.00014629	No
						Necap2	47.8008	25.7509	-0.892411	47.8018	25.7519	-0.8923861	0.00014629	No
						Nedd4l	1.53467	31.0488	4.33854	1.53567	31.0498	4.33764384	0.00014629	No
						Neil1	41.6516	12.8484	-1.69678	41.6526	12.8494	-1.6967056	0.00014629	No
						Nek1	2.62868	1.45079	-0.857497	2.62968	1.45179	-0.8570545	0.00812679	No
						Nek3	4.87757	19.1644	1.97419	4.87857	19.1654	1.97397387	0.00078603	No
						Nek4	1.22242	3.91328	1.67864	1.22342	3.91428	1.67782719	0.00014629	No
						NEK6	3.10838	8.18674	1.39713	3.10938	8.18774	1.39683835	0.00078603	No
						Nek7	63.6385	21.7337	-1.54997	63.6395	21.7347	-1.5499223	0.00014629	No
						Nek8	4.59799	10.5378	1.1965	4.59899	10.5388	1.19632164	0.00014629	No
						Nelfa	26.2423	15.1218	-0.79527	26.2433	15.1228	-0.7952239	0.00053701	No
						Nelfe	13.7236	32.5627	1.24656	13.7246	32.5637	1.24650053	0.00014629	No
						Nemf	34.2759	11.8012	-1.53826	34.2769	11.8022	-1.5381808	0.00014629	No
						Nenf	6.20008	65.0291	3.39073	6.20108	65.0301	3.39051624	0.00014629	No
						Neo1	0.549173	11.5395	4.39317	0.550173	11.5405	4.39067658	0.00014629	No
						Net1	5.42863	55.0661	3.34251	5.42963	55.0671	3.34226484	0.00014629	No
						Neto2	0.939885	4.28755	2.1896	0.940885	4.28855	2.18839964	0.00014629	No
						Nfam1	0.609411	1.54294	1.34019	0.610411	1.54394	1.33876382	0.0415477	No
						Nfat5	17.9446	36.0643	1.00702	17.9456	36.0653	1.00698126	0.00014629	No
						Nfatc1	54.403	5.4457	-3.3205	54.404	5.4467	-3.3202584	0.00014629	No
						Nfatc2	11.0431	1.9396	-2.50931	11.0441	1.9406	-2.5087012	0.00014629	No
						Nfatc2ip	5.63787	2.39819	-1.2332	5.63887	2.39919	-1.2328587	0.0143044	No
						Nfatc3	60.0081	4.49114	-3.74	60.0091	4.49214	-3.7397065	0.00014629	No
						NFE2L1	10.6984	30.2889	1.50139	10.6994	30.2899	1.50130692	0.00014629	No
						Nfe2l2	8.21172	45.6321	2.47429	8.21272	45.6331	2.47414865	0.0109563	No
						Nfia	1.8367	5.26547	1.51945	1.8377	5.26647	1.51893501	0.0244119	No
						Nfib	0	2.07229	inf	0.001	2.07329	11.0177062	0.00014629	No
						Nfic	4.49222	12.0436	1.42277	4.49322	12.0446	1.42256488	0.00014629	No
						Nfil3	2.58348	13.264	2.36013	2.58448	13.265	2.35967873	0.00014629	No
						Nfkb2	9.96686	21.1895	1.08814	9.96786	21.1905	1.08806192	0.00014629	No
						Nfkbia	144.201	65.4703	-1.13917	144.202	65.4713	-1.1391566	0.00014629	No
						Nfkbiz	20.1821	14.1387	-0.513424	20.1831	14.1397	-0.5133963	0.0311089	No
						Nfrkb	58.6774	6.41745	-3.19273	58.6784	6.41845	-3.1925327	0.00014629	No
						Nfs1	12.6958	169.78	3.74124	12.6968	169.781	3.74113817	0.00014629	No
						Nfx1	17.693	7.40818	-1.25599	17.694	7.40918	-1.2558744	0.00014629	No
						Nfxl1	13.0854	2.41449	-2.43817	13.0864	2.41549	-2.4376805	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nfya	13.5014	7.53877	-0.840707	13.5024	7.53977	-0.8406234	0.0209112	No
						Nfyb	20.612	6.44861	-1.67643	20.613	6.44961	-1.6762707	0.00102864	No
						Ngdn	65.7783	43.026	-0.612403	65.7793	43.027	-0.6123914	0.00924781	No
						Ngfrap1	51.9969	153.464	1.56141	51.9979	153.465	1.5613844	0.00014629	No
						Ngly1	36.6171	23.7293	-0.625847	36.6181	23.7303	-0.6258266	0.00307875	No
						NGRN	39.4577	28.4681	-0.470961	39.4587	28.4691	-0.4709465	0.0475015	No
						Nhej1	9.09347	3.70417	-1.29568	9.09447	3.70517	-1.2954498	0.00138312	No
						Nhlrc2	10.2073	30.0941	1.55988	10.2083	30.0951	1.55978598	0.0415477	No
						Nhlrc3	22.4033	4.7287	-2.24419	22.4043	4.7297	-2.2439551	0.00014629	No
						Nhp2l1	108.609	63.1053	-0.783313	108.61	63.1063	-0.783301	0.00078603	No
						Nhs	0	1.48654	inf	0.001	1.48754	10.5387127	0.00014629	No
						Nhsl1	0.429436	2.06632	2.26655	0.430436	2.06732	2.26389107	0.00041099	No
						Nid1	0	4.91456	inf	0.001	4.91556	12.2631401	0.00014629	No
						Nid2	0.0936297	74.2111	9.63045	0.0946297	74.2121	9.61514566	0.00014629	No
						Nin	5.09691	2.56539	-0.990447	5.09791	2.56639	-0.9901655	0.00618538	No
						Ninj1	4.35768	176.837	5.34272	4.35868	176.838	5.34239322	0.00014629	No
						Ninl	0.0277182	40.8861	10.5266	0.0287182	40.8871	10.4754647	0.0103501	No
						Nip30	43.718	137.396	1.65204	43.719	137.397	1.6520182	0.00014629	No
						Nip7	24.7181	13.404	-0.882904	24.7191	13.405	-0.882855	0.00138312	No
						Nipa1	0	2.38902	inf	0.001	2.39002	11.222807	0.00014629	No
						Nipal1	29.3396	2.15949	-3.76409	29.3406	2.16049	-3.7634679	0.00014629	No
						Nipal2	7.08081	23.5538	1.73397	7.08181	23.5548	1.73383104	0.00014629	No
						Nipal3	12.947	3.49171	-1.89061	12.948	3.49271	-1.8903105	0.00014629	No
						Nipbl	36.7801	8.33911	-2.14096	36.7811	8.34011	-2.1408263	0.00014629	No
						Nit1	40.9367	263.987	2.689	40.9377	263.988	2.6889704	0.00014629	No
						Nit2	45.0998	214.5	2.24978	45.1008	214.501	2.24975944	0.00014629	No
						Nkap	27.7938	6.09063	-2.1901	27.7948	6.09163	-2.1899148	0.00014629	No
						Nkd2	0.979367	6.34229	2.69508	0.980367	6.34329	2.69383747	0.00014629	No
						Nkg7	54.8047	19.0679	-1.52316	54.8057	19.0689	-1.5231043	0.00014629	No
						Nktr	30.7621	7.50688	-2.03487	30.7631	7.50788	-2.0347234	0.00014629	No
						Nle1	15.9839	6.30938	-1.34105	15.9849	6.31038	-1.3409109	0.00014629	No
						Nlrc3	29.6576	3.67995	-3.01064	29.6586	3.68095	-3.0103004	0.0407029	No
						Nlrc5	94.3638	11.1072	-3.08674	94.3648	11.1082	-3.0866237	0.00014629	No
						Nlrp1a	24.1537	1.12038	-4.43018	24.1547	1.12138	-4.4289568	0.00014629	No
						Nlrx1	0.548117	9.32788	4.08899	0.549117	9.32888	4.0865184	0.00014629	No
						Nmd3	30.9512	22.2663	-0.475134	30.9522	22.2673	-0.4751153	0.0407879	No
						Nme1	67.0398	109.797	0.711742	67.0408	109.798	0.71174051	0.00114835	No
						Nme2	302.407	720.01	1.25152	302.408	720.011	1.25152264	0.00014629	No
						NME4	5.15211	134.93	4.7109	5.15311	134.931	4.71063464	0.00014629	No
						Nme5	0	1.60989	inf	0.001	1.61089	10.6536423	0.00028114	No
						Nme6	2.99507	21.2469	2.82659	2.99607	21.2479	2.82617703	0.00014629	No
						Nmi	94.3928	20.9698	-2.17037	94.3938	20.9708	-2.1703102	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nmnat1	6.05988	18.9572	1.64539	6.06088	18.9582	1.64522281	0.00014629	No
						Nmnat3	0.19351	14.7709	6.2542	0.19451	14.7719	6.24686726	0.00028114	No
						Nmral1	4.16187	21.1331	2.3442	4.16287	21.1341	2.34392227	0.00014629	No
						Nmt2	2.88645	7.24297	1.32729	2.88745	7.24397	1.32698461	0.00014629	No
						Nnmt	0	2.39452	inf	0.001	2.39552	11.2261231	0.00014629	No
						Nnt	9.23847	39.2312	2.08628	9.23947	39.2322	2.08615624	0.00014629	No
						Noa1	11.4006	6.29928	-0.85585	11.4016	6.30028	-0.8557484	0.00184429	No
						Nob1	61.5983	102.046	0.728256	61.5993	102.047	0.72824791	0.0113536	No
						Noc2l	39.5283	25.4152	-0.637197	39.5293	25.4162	-0.6371741	0.0418893	No
						Noc3l	16.1909	6.84111	-1.24288	16.1919	6.84211	-1.2427591	0.00014629	No
						Noc4l	12.5912	20.7598	0.72138	12.5922	20.7608	0.72133168	0.0459971	No
						Nod1	3.59041	6.98392	0.95989	3.59141	6.98492	0.95969323	0.00041099	No
						Nol10	11.4473	3.99538	-1.5186	11.4483	3.99638	-1.5183677	0.00014629	No
						Nol12	14.3253	24.1878	0.755715	14.3263	24.1888	0.75567314	0.0137192	No
						NOL6	19.0607	11.1691	-0.771085	19.0617	11.1701	-0.7710347	0.0304953	No
						Nol7	121.496	67.0617	-0.857343	121.497	67.0627	-0.8573382	0.00014629	No
						Nolc1	30.7826	17.1575	-0.84327	30.7836	17.1585	-0.8432385	0.00014629	No
						Nom1	11.8011	5.09737	-1.21109	11.8021	5.09837	-1.2109356	0.00028114	No
						Nomo1	19.8851	34.9781	0.814763	19.8861	34.9791	0.8147328	0.00395247	No
						Nono	194.084	76.7093	-1.3392	194.085	76.7103	-1.3391964	0.00014629	No
						Nop2	25.0812	15.5092	-0.69348	25.0822	15.5102	-0.6934466	0.00173187	No
						Nop58	63.1941	27.6807	-1.19091	63.1951	27.6817	-1.1908802	0.00014629	No
						Nos1	0	1.0968	inf	0.001	1.0978	10.1003995	0.00954394	No
						Nos1ap	0.135404	7.06921	5.70621	0.136404	7.07021	5.69579521	0.00014629	No
						Nos3	0.0678673	3.0837	5.5058	0.0688673	3.0847	5.48516726	0.00263402	No
						NOSIP	51.0103	147.749	1.53429	51.0113	147.75	1.53426936	0.00014629	No
						Notch2	17.9639	6.49757	-1.46713	17.9649	6.49857	-1.4669867	0.00934853	No
						Npap60	18.7348	12.5248	-0.580928	18.7358	12.5258	-0.5808948	0.00974684	No
						Npat	7.31537	2.39798	-1.60911	7.31637	2.39898	-1.6087069	0.00014629	No
						Npc2	54.8629	79.4462	0.534148	54.8639	79.4472	0.5341392	0.0440092	No
						Npepl1	25.6058	43.2635	0.756682	25.6068	43.2645	0.75665675	0.00014629	No
						Npepo	3.67185	53.1648	3.85589	3.67285	53.1658	3.85552662	0.00014629	No
						Nphp1	0.149494	15.6804	6.71274	0.150494	15.6814	6.70320459	0.00014629	No
						Nphp4	0.329182	6.22815	4.24185	0.330182	6.22915	4.23770193	0.0232282	No
						Npl	0.199418	7.33357	5.20065	0.200418	7.33457	5.1936284	0.00114835	No
						Nploc4	20.482	13.4758	-0.60399	20.483	13.4768	-0.6039491	0.00352183	No
						Npm1	1034.94	199.035	-2.37845	1034.941	199.036	-2.3784472	0.00014629	No
						Npnt	0.298996	38.8346	7.02107	0.299996	38.8356	7.01629268	0.00014629	No
						Npr3	0	3.324	inf	0.001	3.325	11.6991386	0.00014629	No
						Nprl3	7.71913	21.3495	1.46769	7.72013	21.3505	1.46757281	0.00014629	No
						Nqo1	0.225854	3.53178	3.96694	0.226854	3.53278	3.96096791	0.00502315	No
						Nr0b2	0	4.47467	inf	0.001	4.47567	12.127888	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						NR1D2	20.2721	10.5698	-0.939549	20.2731	10.5708	-0.9394821	0.00090728	No
						Nr1h2	45.0082	81.0795	0.849149	45.0092	81.0805	0.84913506	0.00014629	No
						Nr1h4	0.442301	43.6931	6.62623	0.443301	43.6941	6.62300806	0.00014629	No
						Nr2c1	6.44498	3.02446	-1.0915	6.44598	3.02546	-1.0912452	0.00219102	No
						Nr2c2	15.9782	5.62925	-1.5051	15.9792	5.63025	-1.5049243	0.00014629	No
						Nr2c2ap	27.1117	51.1333	0.915348	27.1127	51.1343	0.91532256	0.00053701	No
						Nr3c1	24.0907	9.85437	-1.28964	24.0917	9.85537	-1.2895543	0.00014629	No
						Nr4a1	3.38375	16.405	2.27744	3.38475	16.406	2.27710235	0.00014629	No
						Nras	37.8595	16.1015	-1.23346	37.8605	16.1025	-1.2334088	0.00014629	No
						Nrbf2	16.777	9.05169	-0.890228	16.778	9.05269	-0.8901523	0.00114835	No
						Nrbp1	42.7596	27.5242	-0.635545	42.7606	27.5252	-0.635529	0.00241835	No
						Nrbp2	4.21587	15.1395	1.84441	4.21687	15.1405	1.8441684	0.00014629	No
						Nrf1	24.7069	9.441	-1.3879	24.7079	9.442	-1.387808	0.00014629	No
						Nrn1	0	1.287	inf	0.001	1.288	10.3309169	0.00014629	No
						Nrros	46.8502	8.73545	-2.4231	46.8512	8.73645	-2.4229669	0.00014629	No
						Nsa2	135.503	55.1155	-1.2978	135.504	55.1165	-1.2977793	0.00014629	No
						Nsfl1c	47.8593	119.539	1.32061	47.8603	119.54	1.3205921	0.00014629	No
						Nsg2	23.8083	0.715805	-5.05575	23.8093	0.716805	-5.0538007	0.00014629	No
						Nsmce2	12.1274	51.9376	2.09851	12.1284	51.9386	2.09841789	0.00014629	No
						NSMF	0.886296	4.45171	2.3285	0.887296	4.45271	2.32719628	0.00014629	No
						Nsrp1	24.9869	11.6284	-1.10353	24.9879	11.6294	-1.103453	0.00014629	No
						Nsun2	38.2989	15.5033	-1.30473	38.2999	15.5043	-1.3046722	0.00014629	No
						Nt5c	87.3221	17.4643	-2.32194	87.3231	17.4653	-2.3218719	0.00184429	No
						Nt5c2	12.3617	35.578	1.52511	12.3627	35.579	1.5250321	0.00014629	No
						Nt5c3a	26.5415	8.71199	-1.60718	26.5425	8.71299	-1.6070645	0.00014629	No
						Nt5c3b	29.3483	18.0342	-0.70254	29.3493	18.0352	-0.7025107	0.00438237	No
						Nt5dc1	31.747	11.2612	-1.49526	31.748	11.2622	-1.495177	0.00014629	No
						Nt5dc3	2.74351	1.68617	-0.702276	2.74451	1.68717	-0.7019432	0.0425528	No
						Nt5m	0.91065	11.0697	3.60358	0.91165	11.0707	3.60212258	0.00102864	No
						Ntan1	203.747	77.6702	-1.39135	203.748	77.6712	-1.3913342	0.00014629	No
						Ntmt1	8.34112	25.2513	1.59805	8.34212	25.2523	1.59792883	0.00028114	No
						Ntpcr	8.08852	37.1487	2.19936	8.08952	37.1497	2.19922455	0.00014629	No
						Nuak2	0.444067	93.1098	7.71201	0.445067	93.1108	7.70878217	0.00014629	No
						Nub1	54.3013	23.5923	-1.20267	54.3023	23.5933	-1.2026361	0.00014629	No
						Nubp1	102.329	56.7857	-0.849617	102.33	56.7867	-0.8496042	0.00014629	No
						Nubp2	30.3386	48.5568	0.678518	30.3396	48.5578	0.67850099	0.00126596	No
						Nubpl	2.91774	11.6093	1.99236	2.91874	11.6103	1.99198764	0.00014629	No
						Nucb2	6.58959	21.5892	1.71205	6.59059	21.5902	1.71189708	0.00014629	No
						Nucks1	35.3315	18.6839	-0.91916	35.3325	18.6849	-0.919123	0.00173187	No
						Nudcd3	21.1012	5.29953	-1.99339	21.1022	5.30053	-1.9931849	0.00597292	No
						Nudt1	21.1688	11.2743	-0.908906	21.1698	11.2753	-0.9088418	0.020542	No
						Nudt12	2.85569	8.0155	1.48895	2.85669	8.0165	1.48862801	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nudt16	4.31017	9.11439	1.0804	4.31117	9.11539	1.08022493	0.00195831	No
						Nudt16l1	23.6066	53.1153	1.16994	23.6076	53.1163	1.16990327	0.00014629	No
						Nudt19	8.87573	53.6788	2.59641	8.87673	53.6798	2.59627908	0.00014629	No
						Nudt2	20.6227	82.2333	1.99549	20.6237	82.2343	1.99543709	0.00014629	No
						NUDT21	72.2526	20.2619	-1.83428	72.2536	20.2629	-1.8342288	0.00014629	No
						Nudt4	32.9256	86.1106	1.38698	32.9266	86.1116	1.38695405	0.00014629	No
						Nudt7	9.51083	31.8767	1.74486	9.51183	31.8777	1.74475271	0.00014629	No
						Nudt9	21.5377	54.6114	1.34234	21.5387	54.6124	1.34229738	0.00014629	No
						Numa1	72.8056	20.4477	-1.83211	72.8066	20.4487	-1.8320601	0.00014629	No
						Numb	12.2561	25.5621	1.06051	12.2571	25.5631	1.06044512	0.00041099	No
						Nup107	8.02314	2.40701	-1.73692	8.02414	2.40801	-1.7365054	0.00014629	No
						Nup153	45.8876	6.22172	-2.88272	45.8886	6.22272	-2.8825186	0.00014629	No
						Nup155	3.64121	1.47653	-1.30221	3.64221	1.47753	-1.3016267	0.00014629	No
						Nup188	12.433	6.10876	-1.02523	12.434	6.10976	-1.0251029	0.00014629	No
						Nup210	29.0098	4.03527	-2.8458	29.0108	4.03627	-2.8454955	0.00014629	No
						Nup37	7.44195	15.0109	1.01226	7.44295	15.0119	1.01216014	0.00149937	No
						Nup54	59.4065	28.914	-1.03885	59.4075	28.915	-1.038827	0.00014629	No
						Nup62	20.7617	8.99592	-1.20658	20.7627	8.99692	-1.206491	0.00149937	No
						Nup88	25.9468	14.4805	-0.841444	25.9478	14.4815	-0.8414012	0.0152626	No
						Nup93	17.3071	6.32084	-1.45317	17.3081	6.32184	-1.4530309	0.00014629	No
						Nup98	19.3312	9.70813	-0.993663	19.3322	9.70913	-0.9935919	0.00014629	No
						Nupl1	14.9787	7.13234	-1.07046	14.9797	7.13334	-1.0703591	0.00014629	No
						NUPR1	0	61.5142	inf	0.001	61.5152	15.9086553	0.00014629	No
						Nus1	16.1855	8.83637	-0.873176	16.1865	8.83737	-0.8731021	0.00014629	No
						Nxn	4.12146	7.46129	0.856271	4.12246	7.46229	0.85611293	0.0380071	No
						Nxt1	27.0621	13.431	-1.01071	27.0631	13.432	-1.010653	0.00066215	No
						Nxt2	6.06061	1.96825	-1.62255	6.06161	1.96925	-1.6220548	0.00014629	No
						Oaf	7.02276	66.2342	3.23746	7.02376	66.2352	3.23728267	0.00014629	No
						Oas1a	12.5374	5.12178	-1.29152	12.5384	5.12278	-1.2913544	0.00555587	No
						Oas1b	8.70338	1.59145	-2.45124	8.70438	1.59245	-2.4504935	0.00014629	No
						Oas1i	2.44926	0.725034	-1.75622	2.45026	0.726034	-1.7548258	0.0193137	No
						Oasl2	17.8893	4.50851	-1.98837	17.8903	4.50951	-1.988135	0.00014629	No
						Oat	12.4802	157.773	3.66013	12.4812	157.774	3.66003093	0.00014629	No
						Oaz2	32.6844	60.0378	0.877267	32.6854	60.0388	0.87724879	0.00014629	No
						Obp1f	0	1.2855	inf	0.001	1.2865	10.3292357	0.00014629	No
						Obsl1	1.28735	9.21618	2.83976	1.28835	9.21718	2.83880085	0.00014629	No
						Ocln	6.01768	12.1473	1.01336	6.01868	12.1483	1.01323542	0.00028114	No
						Odc1	39.099	76.2049	0.962752	39.1	76.2059	0.96273409	0.00014629	No
						Ofd1	17.1736	7.6731	-1.16231	17.1746	7.6741	-1.162207	0.011151	No
						Ogdh	38.4564	110.547	1.52336	38.4574	110.548	1.52333979	0.00014629	No
						Ogdhl	0.354465	23.2798	6.03729	0.355465	23.2808	6.03328931	0.00014629	No
						Ogfod3	6.65488	36.1129	2.44003	6.65588	36.1139	2.4398529	0.0259772	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ogfr	51.7509	30.5819	-0.758905	51.7519	30.5829	-0.7588866	0.00028114	No
						Ogfr1	0.788776	14.632	4.21337	0.789776	14.633	4.21163824	0.00014629	No
						Ogn	0.0273368	4.99377	7.51314	0.0283368	4.99477	7.46159759	0.00812679	No
						Ogt	181.896	24.2815	-2.90518	181.897	24.2825	-2.9051329	0.00014629	No
						Ola1	55.0054	27.2739	-1.01205	55.0064	27.2749	-1.0120256	0.00014629	No
						Olfm4	0	2.31926	inf	0.001	2.32026	11.1800708	0.00014629	No
						Olfml1	0	17.6856	inf	0.001	17.6866	14.1103691	0.00014629	No
						Olr1	0.0961194	0.893867	3.21716	0.0971194	0.894867	3.20384186	0.00533979	No
						Olr1326	0	0.947014	inf	0.001	0.948014	9.88876455	0.0142084	No
						Olr1387	0.882368	0	-inf	0.883368	0.001	-9.7868708	0.00014629	No
						Olr1668	0	2.51625	inf	0.001	2.51725	11.2976328	0.00014629	No
						Oma1	4.2049	16.6297	1.98362	4.2059	16.6307	1.98336244	0.00014629	No
						OPA3	5.98594	16.122	1.42938	5.98694	16.123	1.42922949	0.00014629	No
						Oplah	0.990286	169.452	7.41882	0.991286	169.453	7.41736811	0.00014629	No
						Optc	8.72441	3.63502	-1.26309	8.72541	3.63602	-1.2628628	0.0364215	No
						Orai2	44.2322	2.67972	-4.04495	44.2332	2.68072	-4.0444372	0.00014629	No
						Orai3	4.65879	10.8266	1.21655	4.65979	10.8276	1.21637665	0.00014629	No
						Orc3	11.5598	5.62522	-1.03913	11.5608	5.62622	-1.0390034	0.0231421	No
						Orc4	16.7406	7.03064	-1.25162	16.7416	7.03164	-1.2515043	0.00114835	No
						Orc5	13.8232	25.153	0.863634	13.8242	25.154	0.86359184	0.0140162	No
						Ormdl1	10.4932	1.54684	-2.76206	10.4942	1.54784	-2.7612639	0.00730705	No
						Ormdl3	23.4611	35.0817	0.58045	23.4621	35.0827	0.58042763	0.00720409	No
						Os9	60.9841	29.5597	-1.0448	60.9851	29.5607	-1.0447764	0.00014629	No
						Osbpl11	12.8707	5.31302	-1.27648	12.8717	5.31402	-1.276327	0.00014629	No
						Osbpl3	3.31344	47.1312	3.83028	3.31444	47.1322	3.82987598	0.00014629	No
						Osbpl7	12.9443	8.87987	-0.543707	12.9453	8.88087	-0.5436555	0.0212829	No
						Oscar	0.216918	3.20519	3.88519	0.217918	3.20619	3.87900265	0.00195831	No
						Osgin1	0.443992	86.1114	7.59953	0.444992	86.1124	7.59629779	0.00014629	No
						Osgin2	6.83791	3.5148	-0.960114	6.83891	3.5158	-0.9599134	0.00448672	No
						Osmr	0	9.63672	inf	0.001	9.63772	13.2344762	0.00014629	No
						OST4	223.917	360.507	0.687065	223.918	360.508	0.68706077	0.00102864	No
						Otub1	31.079	45.9152	0.563033	31.08	45.9162	0.56301675	0.0135258	No
						Otud1	22.0843	9.11047	-1.27742	22.0853	9.11147	-1.2773307	0.00014629	No
						Otud3	8.45745	4.61022	-0.875388	8.45845	4.61122	-0.8752448	0.0256967	No
						Otud4	28.4945	5.74956	-2.30916	28.4955	5.75056	-2.3089597	0.00014629	No
						Otud5	169.099	100.644	-0.748605	169.1	100.645	-0.7486012	0.00161718	No
						Oxa1l	60.2675	113.589	0.914372	60.2685	113.59	0.91435977	0.00014629	No
						Oxct1	29.0539	219.278	2.91596	29.0549	219.279	2.91591426	0.00014629	No
						Oxgr1	0	1.10782	inf	0.001	1.10882	10.1148095	0.00014629	No
						Oxld1	7.48864	18.9313	1.338	7.48964	18.9323	1.33788141	0.0241459	No
						Oxnad1	9.14627	25.485	1.4784	9.14727	25.486	1.47829182	0.00014629	No
						Oxr1	37.9961	20.201	-0.911425	37.9971	20.202	-0.9113912	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Oxsm	3.08332	5.90419	0.937256	3.08432	5.90519	0.93703103	0.00689996	No
						Oxsr1	25.5243	13.2041	-0.950883	25.5253	13.2051	-0.9508327	0.00014629	No
						P2ry10	63.9658	1.66311	-5.26534	63.9668	1.66411	-5.2645006	0.00014629	No
						P2ry4	15.4286	35.7551	1.21254	15.4296	35.7561	1.21248873	0.00041099	No
						P33MONOX	13.5382	180.846	3.73965	13.5392	180.847	3.73955526	0.00014629	No
						P4ha1	8.03633	43.3414	2.43114	8.03733	43.3424	2.43099082	0.00014629	No
						P4hb	66.5	92.3148	0.473209	66.501	92.3158	0.47320155	0.0167011	No
						Pa2g4	78.7893	55.0359	-0.517626	78.7903	55.0369	-0.5176188	0.0123523	No
						Pabpc1	1320.66	126.465	-3.38445	1320.661	126.466	-3.3844387	0.00014629	No
						Pacs1	49.5264	10.244	-2.27342	49.5274	10.245	-2.2733069	0.00014629	No
						Paccin1	22.1468	3.83843	-2.52851	22.1478	3.83943	-2.5281993	0.00014629	No
						Paccin2	20.135	67.7694	1.75093	20.136	67.7704	1.75087817	0.00014629	No
						Paf1	38.4999	70.039	0.863303	38.5009	70.04	0.86328691	0.00014629	No
						Pafah1b1	64.5906	30.194	-1.09706	64.5916	30.195	-1.0970369	0.00014629	No
						Pafah1b2	18.6445	27.9617	0.5847	18.6455	27.9627	0.58467618	0.0216554	No
						Pafah1b3	37.0806	19.6727	-0.914472	37.0816	19.6737	-0.9144352	0.00138312	No
						Pag1	13.9086	5.20579	-1.41779	13.9096	5.20679	-1.4176148	0.00014629	No
						Pah	0	412.071	inf	0.001	412.072	18.6525369	0.00014629	No
						Paip2	175.825	110.163	-0.674498	175.826	110.164	-0.6744956	0.00102864	No
						Pak1	0.227007	13.0461	5.84474	0.228007	13.0471	5.83850725	0.00014629	No
						Pak1ip1	19.0582	5.10182	-1.90133	19.0592	5.10282	-1.9011209	0.00014629	No
						Pak2	4.69683	0.739237	-2.66758	4.69783	0.740237	-2.6659354	0.00028114	No
						Pak4	1.75182	18.3128	3.38592	1.75282	18.3138	3.38518142	0.00014629	No
						Palld	0.770438	5.72212	2.8928	0.771438	5.72312	2.89117974	0.00014629	No
						Palm3	0.557051	17.3285	4.95919	0.558051	17.3295	4.95668924	0.00014629	No
						Pam	0.0799148	17.2976	7.75789	0.0809148	17.2986	7.74003596	0.00041099	No
						Pamr1	0	22.1342	inf	0.001	22.1352	14.4340548	0.00014629	No
						Pan3	96.2318	15.071	-2.67474	96.2328	15.072	-2.6746578	0.00014629	No
						Pank1	1.41491	33.8365	4.57979	1.41591	33.8375	4.57882151	0.00014629	No
						Pank3	6.93117	2.32394	-1.57652	6.93217	2.32494	-1.5761135	0.00014629	No
						Papd4	23.628	8.27362	-1.51391	23.629	8.27462	-1.5137936	0.00014629	No
						Papd5	34.4684	7.05197	-2.28918	34.4694	7.05297	-2.2890134	0.00014629	No
						Papola	60.9255	27.2133	-1.16273	60.9265	27.2143	-1.1627049	0.00014629	No
						Papolg	20.4345	1.86533	-3.4535	20.4355	1.86633	-3.4528015	0.00014629	No
						Papss1	13.253	61.8965	2.22353	13.254	61.8975	2.22345332	0.00014629	No
						Papss2	0.294352	38.2175	7.02054	0.295352	38.2185	7.01569196	0.00014629	No
						Paqr3	0.291601	1.40238	2.26581	0.292601	1.40338	2.2618991	0.043497	No
						Paqr5	17.7714	26.5016	0.576522	17.7724	26.5026	0.57649538	0.00405996	No
						Paqr8	5.89704	3.59957	-0.712167	5.89804	3.60057	-0.7120103	0.0105557	No
						Paqr9	0	5.10558	inf	0.001	5.10658	12.3181417	0.00014629	No
						Parm1	0.0926872	53.896	9.18359	0.0936872	53.897	9.1681373	0.00149937	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Parn	29.3662	10.901	-1.4297	29.3672	10.902	-1.4296129	0.0170801	No
						Parp1	47.8553	24.8804	-0.943668	47.8563	24.8814	-0.9436412	0.00014629	No
						Parp10	24.2675	11.9599	-1.02083	24.2685	11.9609	-1.020759	0.00138312	No
						Parp11	17.7757	2.25921	-2.97601	17.7767	2.26021	-2.9754588	0.00014629	No
						Parp12	9.44804	5.66999	-0.736669	9.44904	5.67099	-0.7365672	0.0143989	No
						Parp14	39.9502	8.34238	-2.25967	39.9512	8.34338	-2.259535	0.00014629	No
						Parp16	0.960564	24.7646	4.68825	0.961564	24.7656	4.68681088	0.00014629	No
						Parp2	9.89265	17.9245	0.857507	9.89365	17.9255	0.85743859	0.0209112	No
						Parp8	46.5522	10.0206	-2.21588	46.5532	10.0216	-2.2157675	0.00014629	No
						Parp9	44.2966	9.3817	-2.23928	44.2976	9.3827	-2.2391535	0.00014629	No
						Parva	0	41.4904	inf	0.001	41.4914	15.3405247	0.00014629	No
						Parvb	0.225435	2.00601	3.15354	0.226435	2.00701	3.14787893	0.00984666	No
						Parvg	35.505	4.17988	-3.08649	35.506	4.18088	-3.0861843	0.00014629	No
						Patl1	22.5008	8.25359	-1.44688	22.5018	8.25459	-1.4467719	0.00014629	No
						Pax5	13.8742	28.1077	1.01856	13.8752	28.1087	1.01850817	0.00904412	No
						Pax8	0.0855663	101.468	10.2117	0.0865663	101.469	10.1949459	0.0137192	No
						Paxbp1	34.7399	19.7588	-0.814097	34.7409	19.7598	-0.8140668	0.00138312	No
						Paxip1	16.4753	4.87093	-1.75803	16.4763	4.87193	-1.757827	0.00014629	No
						Pbdc1	16.5059	7.21377	-1.19415	16.5069	7.21477	-1.1940439	0.00014629	No
						Pbk	0.230551	1.42357	2.62635	0.231551	1.42457	2.62112462	0.0255267	No
						Pbld1	0.0634891	183.905	11.5002	0.0644891	183.906	11.4776256	0.00195831	No
						Pbrm1	21.293	6.85863	-1.63439	21.294	6.85963	-1.6342443	0.00014629	No
						Pbx1	1.32343	13.5826	3.3594	1.32443	13.5836	3.35842238	0.00014629	No
						Pbx3	1.75353	7.74354	2.14273	1.75453	7.74454	2.14209493	0.00014629	No
						Pbx4	0.43173	3.90015	3.17533	0.43273	3.90115	3.17236042	0.00285806	No
						Pbxip1	158.845	56.6112	-1.48846	158.846	56.6122	-1.4884439	0.00014629	No
						Pc	0.594387	96.1976	7.33845	0.595387	96.1986	7.33604437	0.00014629	No
						Pcbd1	0.338993	323.032	9.8962	0.339993	323.033	9.89196079	0.004167	No
						Pcbd2	58.4404	120.892	1.04868	58.4414	120.893	1.04866807	0.00028114	No
						PCBP2	210.714	100.233	-1.07193	210.715	100.234	-1.0719211	0.00014629	No
						Pcbp3	3.76902	6.38032	0.75944	3.77002	6.38132	0.7592827	0.019026	No
						Pcbp4	8.14327	36.0688	2.14707	8.14427	36.0698	2.14693413	0.00014629	No
						Pcca	10.9499	69.5171	2.66645	10.9509	69.5181	2.66633921	0.00014629	No
						Pccb	9.84273	174.165	4.14525	9.84373	174.166	4.14511412	0.00014629	No
						Pcdh1	0	2.64944	inf	0.001	2.65044	11.3720162	0.00014629	No
						Pcdh12	1.01319	0.191246	-2.40541	1.01419	0.192246	-2.3993025	0.0345421	No
						Pcdh17	0	1.20903	inf	0.001	1.21003	10.2408271	0.00014629	No
						Pcf11	37.4379	5.70249	-2.71484	37.4389	5.70349	-2.7146212	0.00014629	No
						Pcgf2	2.60472	18.261	2.80956	2.60572	18.262	2.8090908	0.00014629	No
						Pcgf6	15.6652	4.84998	-1.69152	15.6662	4.85098	-1.6913071	0.00014629	No
						Pck2	1.92171	20.526	3.41699	1.92271	20.527	3.41630971	0.00014629	No
						Pcmt1	125.915	24.866	-2.3402	125.916	24.867	-2.3401572	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pcmt2	58.953	16.0161	-1.88004	58.954	16.0171	-1.8799767	0.00014629	No
						Pcna	58.5888	39.885	-0.554777	58.5898	39.886	-0.5547671	0.0112518	No
						PCOLCE2	0	17.4946	inf	0.001	17.4956	14.0947045	0.00014629	No
						Pcsk6	0	9.05094	inf	0.001	9.05194	13.1440113	0.00014629	No
						Pcyt1a	3.71008	12.4025	1.74111	3.71108	12.4035	1.74083627	0.00014629	No
						Pcyt2	25.996	135.516	2.38211	25.997	135.517	2.38205679	0.00014629	No
						Pdcd10	82.1494	35.2541	-1.22046	82.1504	35.2551	-1.2204356	0.00014629	No
						Pdcd11	19.7104	12.3033	-0.679909	19.7114	12.3043	-0.6798677	0.00241835	No
						Pdcd1lg2	3.90421	0.352479	-3.46942	3.90521	0.353479	-3.4657037	0.00230432	No
						Pdcd2	31.2598	20.9316	-0.57863	31.2608	20.9326	-0.5786032	0.0224797	No
						Pdcd4	548.523	61.6829	-3.15261	548.524	61.6839	-3.1525889	0.00014629	No
						Pdcd7	14.2168	43.0925	1.59984	14.2178	43.0935	1.59977203	0.00014629	No
						Pde12	11.8486	7.7259	-0.61694	11.8496	7.7269	-0.6168767	0.034996	No
						Pde1a	0	11.502	inf	0.001	11.503	13.4897225	0.00014629	No
						Pde1c	0.0183321	4.38365	7.90162	0.0193321	4.38465	7.82531951	0.0314513	No
						Pde3b	44.8638	1.90425	-4.55825	44.8648	1.90525	-4.5575318	0.00014629	No
						Pde4b	79.8109	2.39391	-5.05915	79.8119	2.39491	-5.0585605	0.00014629	No
						Pde4c	4.19885	22.5201	2.42315	4.19985	22.5211	2.42286759	0.00014629	No
						Pde4dip	22.2542	15.7616	-0.497665	22.2552	15.7626	-0.4976369	0.0363282	No
						Pde7a	11.2486	5.29182	-1.08791	11.2496	5.29282	-1.0877652	0.00792329	No
						Pde7b	0.318925	20.5439	6.00935	0.319925	20.5449	6.00490276	0.00014629	No
						Pde9a	0.188575	14.0456	6.21884	0.189575	14.0466	6.21130843	0.00014629	No
						Pdgfb	1.14485	12.5486	3.4543	1.14585	12.5496	3.45315128	0.00014629	No
						Pdgfra	0	2.48504	inf	0.001	2.48604	11.2796338	0.00014629	No
						Pdha1	81.5619	164.83	1.01501	81.5629	164.831	1.01500262	0.00028114	No
						Pdhb	31.5294	136.495	2.11408	31.5304	136.496	2.1140433	0.00014629	No
						Pdhx	5.25356	15.559	1.56638	5.25456	15.56	1.56620019	0.00014629	No
						Pdia3	157.067	92.5151	-0.763619	157.068	92.5161	-0.7636129	0.00014629	No
						Pdia5	0.535354	10.2273	4.25579	0.536354	10.2283	4.25323706	0.0170801	No
						Pdk1	20.5889	8.78681	-1.22845	20.5899	8.78781	-1.2283612	0.00102864	No
						Pdk2	11.0273	226.016	4.35728	11.0283	226.017	4.35714897	0.00014629	No
						Pdk4	0	7.11947	inf	0.001	7.12047	12.7977568	0.00014629	No
						Pdlim1	52.6266	11.1809	-2.23476	52.6276	11.1819	-2.2346543	0.00014629	No
						Pdlim7	24.8681	16.7711	-0.568319	24.8691	16.7721	-0.568291	0.026232	No
						Pdp1	9.83839	2.86401	-1.78039	9.83939	2.86501	-1.7800287	0.00014629	No
						Pdp2	1.75039	12.766	2.86656	1.75139	12.767	2.86584727	0.00014629	No
						Pdpk1	23.2703	9.03413	-1.36503	23.2713	9.03513	-1.3649345	0.00014629	No
						Pdpn	0	12.714	inf	0.001	12.715	13.6342438	0.00014629	No
						Pds5a	39.6669	11.7556	-1.75459	39.6679	11.7566	-1.7545011	0.00014629	No
						Pds5b	19.715	3.83205	-2.36311	19.716	3.83305	-2.3628022	0.00014629	No
						Pdss2	6.26421	9.89545	0.659632	6.26521	9.89645	0.65954824	0.0426261	No
						PDXDC1	10.5578	1.38852	-2.92669	10.5588	1.38952	-2.9257874	0.00318982	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pdxk	3.64085	37.533	3.36581	3.64185	37.534	3.36545464	0.00014629	No
						Pdzd9	11.9229	39.2585	1.71927	11.9239	39.2595	1.71918562	0.00028114	No
						Pdzk1	0.788614	432.536	9.09928	0.789614	432.537	9.09746026	0.00014629	No
						Pea15	15.0048	32.4056	1.11082	15.0058	32.4066	1.11076743	0.0327779	No
						Pebp1	91.1104	462.94	2.34514	91.1114	462.941	2.34512486	0.00014629	No
						Pecam1	32.165	13.6367	-1.238	32.166	13.6377	-1.2379362	0.00014629	No
						Pecr	12.1334	218.169	4.16838	12.1344	218.17	4.16827805	0.00014629	No
						Pef1	26.7403	42.3473	0.663257	26.7413	42.3483	0.66323445	0.00195831	No
						Peo1	4.51589	13.35	1.56376	4.51689	13.351	1.56354612	0.00014629	No
						Pepd	10.475	365.798	5.12603	10.476	365.799	5.12589126	0.00014629	No
						Per1	85.4319	50.5126	-0.758131	85.4329	50.5136	-0.7581199	0.00014629	No
						Per2	1.33844	7.56973	2.49969	1.33944	7.57073	2.49880246	0.00014629	No
						Per3	3.8134	2.31609	-0.719386	3.8144	2.31709	-0.7191421	0.0322469	No
						Perld1	3.64883	7.11348	0.963119	3.64983	7.11448	0.96292905	0.00184429	No
						Pes1	63.1773	40.4079	-0.644769	63.1783	40.4089	-0.644756	0.00078603	No
						Pet100	15.7739	52.4591	1.73366	15.7749	52.4601	1.7335897	0.00014629	No
						Pet112l	9.86816	18.8943	0.937096	9.86916	18.8953	0.93702822	0.00014629	No
						Pex1	6.11612	22.9391	1.90712	6.11712	22.9401	1.9069472	0.00014629	No
						Pex11a	0.0881448	16.4342	7.54261	0.0891448	16.4352	7.52642265	0.00533979	No
						Pex11b	42.8339	192.309	2.1666	42.8349	192.31	2.16657516	0.00014629	No
						Pex11g	0.529524	7.82044	3.88448	0.530524	7.82144	3.88194432	0.00341151	No
						Pex12	1.20918	2.72012	1.16964	1.21018	2.72112	1.16897893	0.0167011	No
						Pex13	9.59177	24.1164	1.33015	9.59277	24.1174	1.33005501	0.00014629	No
						Pex14	7.66625	14.1777	0.887033	7.66725	14.1787	0.88694414	0.00138312	No
						Pex16	17.283	31.3277	0.858087	17.284	31.3287	0.85804777	0.0216554	No
						Pex2	5.12029	15.2562	1.5751	5.12129	15.2572	1.57491106	0.00014629	No
						Pex3	11.0676	6.72497	-0.718739	11.0686	6.72597	-0.7186585	0.0167011	No
						Pex7	0.976921	10.5876	3.43799	0.977921	10.5886	3.43665012	0.00014629	No
						Pfdn5	195.684	379.215	0.954494	195.685	379.216	0.95448666	0.00014629	No
						Pfkfb2	11.2661	6.74331	-0.740462	11.2671	6.74431	-0.7403735	0.00904412	No
						Pfkfb4	0.266158	2.21754	3.05861	0.267158	2.21854	3.05384544	0.00533979	No
						Pfkm	10.2188	30.1603	1.56143	10.2198	30.1613	1.56133165	0.00014629	No
						Pfn1	2367.26	638.218	-1.8911	2367.261	638.219	-1.8910953	0.00014629	No
						Pfn2	1.2345	17.4042	3.81744	1.2355	17.4052	3.81635148	0.0214664	No
						Pfn3	0	113.633	inf	0.001	113.634	16.794035	0.00014629	No
						Pgam1	76.0704	228.481	1.58667	76.0714	228.482	1.58665445	0.00014629	No
						Pggt1b	9.28522	4.73698	-0.970969	9.28622	4.73798	-0.9708194	0.00823262	No
						Pgk1	151.895	318.69	1.06908	151.896	318.691	1.0690744	0.00014629	No
						Pgls	26.1637	52.0385	0.992011	26.1647	52.0395	0.99198538	0.00053701	No
						Pgm1	4.50013	26.9695	2.58329	4.50113	26.9705	2.58302313	0.00014629	No
						PGM2	5.59853	11.7842	1.07374	5.59953	11.7852	1.0735986	0.00014629	No
						Pgm2l1	9.30113	0.506348	-4.1992	9.30213	0.507348	-4.1965135	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pgm5	0	1.75359	inf	0.001	1.75459	10.7769182	0.00014629	No
						Pgpep1	3.1213	93.7056	4.90791	3.1223	93.7066	4.9074696	0.00014629	No
						Pgrmc1	114.784	78.1655	-0.554325	114.785	78.1665	-0.5543118	0.00252712	No
						Pgrmc2	35.6737	23.9629	-0.574056	35.6747	23.9639	-0.5740386	0.00843988	No
						Pgs1	22.3979	12.8923	-0.796857	22.3989	12.8933	-0.7968063	0.0105557	No
						Phactr4	7.60994	16.5647	1.12216	7.61094	16.5657	1.12205262	0.00014629	No
						Phb	34.3591	117.172	1.76986	34.3601	117.173	1.76983403	0.00014629	No
						Phc3	20.9812	3.62791	-2.53189	20.9822	3.62891	-2.5315578	0.00014629	No
						Phf11b	843.081	143.056	-2.55909	843.082	143.057	-2.5590829	0.00014629	No
						Phf12	38.9557	14.1844	-1.45753	38.9567	14.1854	-1.4574646	0.00014629	No
						Phf13	1.77667	3.13141	0.817636	1.77767	3.13241	0.81728553	0.0267812	No
						Phf15	24.1318	8.43205	-1.51698	24.1328	8.43305	-1.5168689	0.00014629	No
						Phf17	5.87597	8.39906	0.515399	5.87697	8.40006	0.5153271	0.0291608	No
						Phf2	30.1425	12.8201	-1.23339	30.1435	12.8211	-1.2333269	0.0152626	No
						Phf20	11.1373	5.70364	-0.965451	11.1383	5.70464	-0.9653213	0.00014629	No
						PHF20L1	26.9226	8.97275	-1.5852	26.9236	8.97375	-1.5850884	0.00014629	No
						Phf21a	34.4243	16.0744	-1.09866	34.4253	16.0754	-1.0986146	0.00014629	No
						Phf3	23.131	8.74917	-1.40261	23.132	8.75017	-1.4025071	0.00014629	No
						Phf8	27.8064	4.53701	-2.6156	27.8074	4.53801	-2.6153372	0.00014629	No
						Phgdh	19.8591	68.9982	1.79676	19.8601	68.9992	1.79670675	0.00014629	No
						Phip	25.8487	3.33858	-2.95278	25.8497	3.33958	-2.952409	0.00014629	No
						Phkb	6.78325	15.0706	1.15169	6.78425	15.0716	1.15157134	0.0446219	No
						PHKG2	4.69576	0.388968	-3.59364	4.69676	0.389968	-3.5902382	0.0085437	No
						PHLDA2	0.476115	14.6041	4.93892	0.477115	14.6051	4.93599138	0.00629035	No
						Phldb1	0.0506047	36.3873	9.48995	0.0516047	36.3883	9.46175647	0.00014629	No
						Phldb2	0.0136168	48.6111	11.8017	0.0146168	48.6121	11.6994722	0.00014629	No
						Phospho2	11.3017	7.05091	-0.680654	11.3027	7.05191	-0.6805815	0.00954394	No
						Phtf2	11.8245	3.10023	-1.93133	11.8255	3.10123	-1.9309888	0.00014629	No
						Phyh	33.2857	350.064	3.39464	33.2867	350.065	3.39460507	0.00014629	No
						Phyhipl	0	30.9671	inf	0.001	30.9681	14.9184953	0.00014629	No
						Pias1	25.7804	13.9729	-0.883648	25.7814	13.9739	-0.8835959	0.019026	No
						Pias3	3.35288	7.27572	1.11769	3.35388	7.27672	1.11745723	0.00028114	No
						Pias4	9.11577	15.5387	0.769433	9.11677	15.5397	0.76936397	0.00184429	No
						Pibf1	6.30131	3.19283	-0.980816	6.30231	3.19383	-0.9805932	0.0089386	No
						Picalm	34.5179	136.859	1.98728	34.5189	136.86	1.98724246	0.00014629	No
						Pick1	6.77664	30.2687	2.15918	6.77764	30.2697	2.15901946	0.00014629	No
						Pidd	0.193146	2.82689	3.87146	0.194146	2.82789	3.86451211	0.00405996	No
						Piezo1	13.3774	24.0492	0.846185	13.3784	24.0502	0.84614331	0.00285806	No
						Pigh	2.3096	11.3324	2.29474	2.3106	11.3334	2.2942413	0.00014629	No
						Pigk	17.4108	29.1023	0.741152	17.4118	29.1033	0.74111739	0.00296747	No
						Pigm	6.88127	2.01993	-1.76837	6.88227	2.02093	-1.7678651	0.00014629	No
						Pign	3.92215	7.55709	0.946187	3.92315	7.55809	0.9460092	0.0133356	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pigo	5.74326	3.27998	-0.808182	5.74426	3.28098	-0.8079943	0.00659461	No
						PIGP	18.4787	114.826	2.63551	18.4797	114.827	2.63544867	0.0208247	No
						Pigr	0.190498	43.9913	7.8513	0.191498	43.9923	7.8437779	0.00028114	No
						Pigt	41.3056	28.513	-0.534718	41.3066	28.514	-0.5347019	0.00964777	No
						Pigv	5.80878	11.48	0.982821	5.80978	11.481	0.98269287	0.0233164	No
						Pigx	28.3556	13.7425	-1.04499	28.3566	13.7435	-1.0449351	0.00053701	No
						Pigy	16.6078	47.9839	1.53069	16.6088	47.9849	1.53063265	0.00014629	No
						Pih1d1	7.13629	23.3766	1.71182	7.13729	23.3776	1.71167853	0.00230432	No
						Pik3c2a	8.49867	4.47966	-0.923846	8.49967	4.48066	-0.9236956	0.00014629	No
						Pik3c2b	10.1287	1.31744	-2.94263	10.1297	1.31844	-2.9416876	0.00014629	No
						PIK3CA	27.4709	10.6756	-1.36359	27.4719	10.6766	-1.3635044	0.00014629	No
						Pik3cb	2.31381	5.24832	1.18158	2.31481	5.24932	1.18123677	0.00028114	No
						Pik3cg	12.9486	0.81626	-3.98762	12.9496	0.81726	-3.9859686	0.00014629	No
						Pik3ip1	207.379	5.38886	-5.26615	207.38	5.38986	-5.2658852	0.00014629	No
						Pik3r1	82.6947	24.5307	-1.75321	82.6957	24.5317	-1.7531651	0.00014629	No
						Pik3r2	8.7635	24.894	1.50622	8.7645	24.895	1.50611232	0.00014629	No
						Pik3r5	44.5564	3.69466	-3.59212	44.5574	3.69566	-3.5917611	0.00014629	No
						Pikfyve	10.6391	5.42851	-0.970741	10.6401	5.42951	-0.9706178	0.00014629	No
						Pim1	128.205	13.6157	-3.2351	128.206	13.6167	-3.2350148	0.00014629	No
						Pim2	39.5062	12.9256	-1.61185	39.5072	12.9266	-1.6117727	0.00014629	No
						Pin1	28.0377	64.9302	1.21152	28.0387	64.9312	1.21149241	0.00014629	No
						Pin4	94.0453	140.071	0.574729	94.0463	140.072	0.5747255	0.016989	No
						Pink1	19.4448	69.3396	1.8343	19.4458	69.3406	1.83424173	0.00014629	No
						Pip4k2a	86.0725	8.81954	-3.28678	86.0735	8.82054	-3.2866302	0.00014629	No
						Pip4k2b	20.0861	5.60353	-1.84179	20.0871	5.60453	-1.841604	0.00028114	No
						Pip4k2c	12.7675	27.1427	1.08809	12.7685	27.1437	1.08802834	0.00014629	No
						Pip5k1a	20.8284	9.12821	-1.19015	20.8294	9.12921	-1.1900594	0.00014629	No
						Pitpna	186.662	57.7537	-1.69245	186.663	57.7547	-1.6924257	0.00014629	No
						Pitpnm2	60.7437	7.34972	-3.04697	60.7447	7.35072	-3.0468011	0.00014629	No
						Pitpnm3	0	3.73374	inf	0.001	3.73474	11.8667921	0.00014629	No
						Pja1	11.6425	46.4225	1.99542	11.6435	46.4235	1.9953305	0.00014629	No
						Pkd2	0.148746	12.448	6.38692	0.149746	12.449	6.37736858	0.00014629	No
						Pkdcc	3.08474	9.90867	1.68354	3.08574	9.90967	1.68322051	0.00014629	No
						Pkhd1	0	24.984	inf	0.001	24.985	14.6087746	0.00014629	No
						Pkia	0.527443	6.99052	3.72831	0.528443	6.99152	3.72578637	0.00014629	No
						Pkig	0.257706	74.8319	8.18178	0.258706	74.8329	8.17621536	0.00014629	No
						Pkn3	83.8914	30.1602	-1.47588	83.8924	30.1612	-1.4758463	0.00014629	No
						Pknox1	10.5106	5.84168	-0.847391	10.5116	5.84268	-0.8472801	0.0207324	No
						PKP2	0	14.7746	inf	0.001	14.7756	13.8509291	0.00014629	No
						Pkp4	8.5292	49.4885	2.53661	8.5302	49.4895	2.53647099	0.00014629	No
						Pla2g12a	4.58422	22.3522	2.28567	4.58522	22.3532	2.28541852	0.00014629	No
						Pla2g15	2.47211	22.9786	3.21647	2.47311	22.9796	3.21595537	0.00090728	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pla2g16	329.892	124.009	-1.41154	329.893	124.01	-1.4115417	0.00014629	No
						Pla2g4a	0.122015	2.2117	4.18003	0.123015	2.2127	4.16890171	0.00285806	No
						Pla2g6	6.78491	31.9035	2.23331	6.78591	31.9045	2.23314572	0.00014629	No
						Pla2g7	0.552623	1.80464	1.70734	0.553623	1.80564	1.7055345	0.0170801	No
						Plaa	12.7145	6.91941	-0.877754	12.7155	6.92041	-0.8776588	0.00014629	No
						Plac8	1950.26	213.314	-3.19262	1950.261	213.315	-3.1926099	0.00014629	No
						Plagl2	9.98286	2.93421	-1.76648	9.98386	2.93521	-1.766134	0.00014629	No
						Plat	1.67248	56.6745	5.08264	1.67348	56.6755	5.081802	0.00014629	No
						Plau	0	202.154	inf	0.001	202.155	17.6251024	0.00014629	No
						Plbd1	1.18622	4.41895	1.89733	1.18722	4.41995	1.89644275	0.00149937	No
						Plbd2	16.5291	40.7294	1.30106	16.5301	40.7304	1.30101053	0.00014629	No
						Plcb3	0.763731	4.98055	2.70517	0.764731	4.98155	2.70357044	0.00014629	No
						Plcb4	0.868359	2.06456	1.24947	0.869359	2.06556	1.248509	0.00533979	No
						Plcd3	0.0886586	6.69599	6.23889	0.0896586	6.69699	6.22292703	0.00014629	No
						Plcg1	192.067	36.2926	-2.40386	192.068	36.2936	-2.4038301	0.00014629	No
						Plch2	0.651812	2.82449	2.11546	0.652812	2.82549	2.1137616	0.00544794	No
						Plcl1	0.703834	4.63814	2.72024	0.704834	4.63914	2.71850196	0.00014629	No
						Plcl2	54.5366	7.83905	-2.79847	54.5376	7.84005	-2.7983165	0.00014629	No
						Plcx2	1.34502	2.22662	0.727222	1.34602	2.22762	0.7268033	0.0162226	No
						Pld1	0.0412773	3.16283	6.25972	0.0422773	3.16383	6.22564503	0.00014629	No
						Pld3	8.99932	19.7448	1.13359	9.00032	19.7458	1.13349762	0.00014629	No
						Plekha2	35.9369	10.569	-1.76563	35.9379	10.57	-1.7655307	0.00014629	No
						Plekha3	30.44	22.0773	-0.463403	30.441	22.0783	-0.4633867	0.0439257	No
						Plekha6	0.517879	32.9494	5.99149	0.518879	32.9504	5.98875402	0.00014629	No
						Plekha7	5.67871	17.4416	1.61889	5.67971	17.4426	1.61872593	0.00014629	No
						Plekha8	5.49024	3.52062	-0.641038	5.49124	3.52162	-0.6408927	0.00480938	No
						Plekhb1	0.256276	8.96055	5.12782	0.257276	8.96155	5.1223595	0.0295292	No
						Plekhb2	3.91694	96.0116	4.61541	3.91794	96.0126	4.61505654	0.00014629	No
						Plekhf2	19.1034	47.318	1.30856	19.1044	47.319	1.30851464	0.00014629	No
						Plekhg3	1.03066	34.4885	5.06448	1.03166	34.4895	5.06311772	0.00014629	No
						Plekhg5	40.7705	10.1161	-2.01087	40.7715	10.1171	-2.0107652	0.00014629	No
						Plekhh2	0	1.30146	inf	0.001	1.30246	10.3470234	0.00014629	No
						Plekhn1	16.4529	7.31622	-1.16918	16.4539	7.31722	-1.169062	0.00014629	No
						Plekhn2	23.1157	9.4996	-1.28294	23.1167	9.5006	-1.2828449	0.00014629	No
						Plekho1	2.91786	8.74261	1.58315	2.91886	8.74361	1.58282404	0.00028114	No
						Plekho2	7.56652	3.79744	-0.994602	7.56752	3.79844	-0.9944136	0.00014629	No
						Plgrkt	2.46712	12.9818	2.39559	2.46812	12.9828	2.39511712	0.00014629	No
						Plin2	1.69272	48.3313	4.83555	1.69372	48.3323	4.83472035	0.00014629	No
						Plin3	31.0804	21.5342	-0.529376	31.0814	21.5352	-0.5293548	0.0145969	No
						Plk2	0.929825	5.09131	2.45301	0.930825	5.09231	2.45173838	0.00014629	No
						Plk3	0.535693	14.454	4.75392	0.536693	14.455	4.75132773	0.00014629	No
						Plk5	0.377148	1.67437	2.15041	0.378148	1.67537	2.14745685	0.0373152	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Plod2	0.0531976	16.168	8.24757	0.0541976	16.169	8.22078577	0.00864487	No
						Pls1	0.476029	18.8077	5.30413	0.477029	18.8087	5.30117935	0.00014629	No
						Pls3	0	23.1774	inf	0.001	23.1784	14.5004934	0.00014629	No
						Plscr1	0.251024	18.2191	6.18148	0.252024	18.2201	6.17582594	0.00114835	No
						Plscr2	67.987	133.982	0.978713	67.988	133.983	0.97869792	0.00041099	No
						Plscr4	6.30557	1.76098	-1.84025	6.30657	1.76198	-1.839658	0.00053701	No
						Pltp	5.16698	97.792	4.24232	5.16798	97.793	4.24205881	0.00014629	No
						Plxdc2	3.32422	33.9427	3.35201	3.32522	33.9437	3.35162213	0.00014629	No
						Plxnb1	0.232421	2.14502	3.20618	0.233421	2.14602	3.20065726	0.00014629	No
						Pm20d1	0.122602	45.1299	8.52396	0.123602	45.1309	8.51226965	0.00679736	No
						Pm20d2	0.312799	3.99155	3.67364	0.313799	3.99255	3.66939782	0.00608077	No
						Pmepa1	5.45027	60.3468	3.46888	5.45127	60.3478	3.46863689	0.00014629	No
						Pmm1	13.1768	66.0572	2.32571	13.1778	66.0582	2.32562812	0.00014629	No
						Pmm2	22.2088	45.5821	1.03733	22.2098	45.5831	1.03730264	0.00014629	No
						Pmpcb	50.5868	88.1398	0.801034	50.5878	88.1408	0.80102049	0.00014629	No
						Pms1	4.93044	3.14302	-0.649563	4.93144	3.14402	-0.6493986	0.0340933	No
						Pnir	224.295	32.4297	-2.79001	224.296	32.4307	-2.7899718	0.00014629	No
						Pnkd	37.1988	207.13	2.47721	37.1998	207.131	2.47717672	0.00618538	No
						Pnlcd1	1.79192	8.36271	2.22247	1.79292	8.36371	2.22183192	0.00014629	No
						Pnn	199.149	27.8689	-2.83713	199.15	27.8699	-2.8370757	0.00014629	No
						Pno1	14.821	10.1562	-0.545273	14.822	10.1572	-0.5452374	0.0496631	No
						Pnpla2	17.9512	33.766	0.911488	17.9522	33.767	0.91145336	0.00014629	No
						Pnpla6	6.18724	24.9362	2.01087	6.18824	24.9372	2.01069843	0.00014629	No
						Pnpo	16.3121	23.2143	0.50907	16.3131	23.2153	0.50904496	0.023877	No
						Pnpt1	14.0999	7.21872	-0.965867	14.1009	7.21972	-0.9657725	0.00014629	No
						Pnrc1	160.977	82.3395	-0.967198	160.978	82.3405	-0.9671894	0.00014629	No
						Pnrc2	81.4887	34.9589	-1.22094	81.4897	34.9599	-1.2209167	0.00014629	No
						Poc1a	1.74476	16.9216	3.27777	1.74576	16.9226	3.2770241	0.00028114	No
						Poc1b	5.16075	8.05578	0.642442	5.16175	8.05678	0.64234309	0.0163221	No
						Podn	0.0329714	2.46146	6.22215	0.0339714	2.46246	6.1796358	0.019873	No
						Podnl1	1.50097	0.362882	-2.04832	1.50197	0.363882	-2.0453134	0.0476655	No
						Pofut1	12.737	3.41932	-1.89724	12.738	3.42032	-1.8969356	0.00041099	No
						Pofut2	9.12005	38.2596	2.06871	9.12105	38.2606	2.06858768	0.00014629	No
						Poglut1	28.77	40.5562	0.495354	28.771	40.5572	0.49534269	0.0320714	No
						Pogz	21.7871	5.00505	-2.12202	21.7881	5.00605	-2.1217958	0.00014629	No
						Pola1	3.66062	1.80694	-1.01854	3.66162	1.80794	-1.0181353	0.00126596	No
						Pola2	7.22858	21.9535	1.60267	7.22958	21.9545	1.60253294	0.00014629	No
						Pold1	10.4785	5.43519	-0.947036	10.4795	5.43619	-0.9469021	0.00126596	No
						Pold2	19.4047	10.7076	-0.857777	19.4057	10.7086	-0.8577106	0.00138312	No
						Poldip2	20.2361	70.8976	1.80881	20.2371	70.8986	1.80875457	0.00014629	No
						Poldip3	24.5893	14.542	-0.757801	24.5903	14.543	-0.7577644	0.00066215	No
						Pole2	10.0904	1.52182	-2.72911	10.0914	1.52282	-2.728309	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pole3	13.7671	24.0657	0.805751	13.7681	24.0667	0.80570885	0.00028114	No
						Poli	3.6595	1.40008	-1.38613	3.6605	1.40108	-1.3855014	0.00502315	No
						Polk	3.41324	1.90257	-0.843196	3.41424	1.90357	-0.8428569	0.0314513	No
						Poll	7.56901	14.5324	0.941099	7.57001	14.5334	0.94100514	0.00053701	No
						Polm	16.9931	5.94138	-1.51608	16.9941	5.94238	-1.5159212	0.00014629	No
						Polr1b	18.3537	2.57444	-2.83374	18.3547	2.57544	-2.8332587	0.00014629	No
						Polr1c	18.0355	34.7796	0.947403	18.0365	34.7806	0.94736341	0.0161245	No
						Polr1e	20.0295	6.79712	-1.55913	20.0305	6.79812	-1.5589907	0.00014629	No
						Polr2a	69.0418	28.1438	-1.29465	69.0428	28.1448	-1.2946226	0.00014629	No
						Polr2c	30.368	65.8299	1.11619	30.369	65.8309	1.11616552	0.00014629	No
						Polr2d	52.3307	35.9771	-0.54058	52.3317	35.9781	-0.5405661	0.0187462	No
						Polr2f	17.8143	31.7815	0.835155	17.8153	31.7825	0.83511583	0.00090728	No
						Polr2l	22.5081	112.586	2.32252	22.5091	112.587	2.32245998	0.0263268	No
						Polr2m	5.35464	8.80309	0.71722	5.35564	8.80409	0.71711491	0.0123523	No
						Polr3a	4.45852	6.57599	0.560643	4.45952	6.57699	0.56053904	0.0256967	No
						Polr3b	10.053	5.47627	-0.876365	10.054	5.47727	-0.8762407	0.00014629	No
						Polr3c	21.2094	11.5516	-0.876612	21.2104	11.5526	-0.8765543	0.00053701	No
						Polr3e	24.5771	11.1115	-1.14526	24.5781	11.1125	-1.14519	0.00014629	No
						Polr3f	8.16382	2.20965	-1.88543	8.16482	2.21065	-1.8849505	0.00014629	No
						Polr3h	31.8427	12.5677	-1.34125	31.8437	12.5687	-1.3411725	0.00014629	No
						Polr3k	30.8999	76.5749	1.30927	30.9009	76.5759	1.30924156	0.00014629	No
						Pom121	15.7455	4.27433	-1.88117	15.7465	4.27533	-1.8809235	0.00014629	No
						Pomgnt1	10.0024	25.4702	1.34847	10.0034	25.4712	1.3483765	0.00014629	No
						Pomk	21.8116	14.1047	-0.628919	21.8126	14.1057	-0.6288835	0.004167	No
						Pomt2	35.848	16.7728	-1.09577	35.849	16.7738	-1.0957233	0.0241459	No
						Pon2	90.9113	22.0342	-2.04471	90.9123	22.0352	-2.0446655	0.00014629	No
						Pon3	0.0692518	4.09299	5.88516	0.0702518	4.09399	5.86482858	0.0459971	No
						Pop1	2.25574	9.525	2.07812	2.25674	9.526	2.07763033	0.00014629	No
						Pop4	19.295	12.8085	-0.591132	19.296	12.8095	-0.5910876	0.0404305	No
						Por	16.6529	38.8309	1.22143	16.6539	38.8319	1.22138223	0.00014629	No
						Porcn	0.147024	3.90648	4.73174	0.148024	3.90748	4.72233548	0.00028114	No
						Pot1	19.0894	5.12685	-1.89663	19.0904	5.12785	-1.8964214	0.00014629	No
						Pot1b	16.5679	5.7959	-1.51528	16.5689	5.7969	-1.5151243	0.00014629	No
						Pou2af1	10.2482	3.03631	-1.75498	10.2492	3.03731	-1.7546452	0.00014629	No
						Pou2f1	6.69344	1.85814	-1.84889	6.69444	1.85914	-1.848328	0.00014629	No
						Pp3111	29.8993	64.4215	1.10743	29.9003	64.4225	1.10740469	0.00014629	No
						Ppa2	20.1363	121.981	2.59878	20.1373	121.982	2.59872611	0.00014629	No
						Ppap2a	1.69863	47.5802	4.80792	1.69963	47.5812	4.80709904	0.00014629	No
						Ppap2b	0.149822	29.2439	7.60874	0.150822	29.2449	7.59919436	0.00041099	No
						Ppap2c	2.8744	27.9365	3.28082	2.8754	27.9375	3.28036836	0.00014629	No
						Ppapdc2	12.7857	8.01543	-0.673677	12.7867	8.01643	-0.6736122	0.00843988	No
						Ppard	4.66086	18.9605	2.02433	4.66186	18.9615	2.02409551	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pparg	0.0685047	3.86251	5.81719	0.0695047	3.86351	5.79665778	0.0401648	No
						Ppcdc	4.33238	13.9672	1.68881	4.33338	13.9682	1.68858146	0.00014629	No
						Ppcs	11.2073	38.214	1.76966	11.2083	38.215	1.76957155	0.00014629	No
						Ppdpf	69.6875	144.88	1.05588	69.6885	144.881	1.0558759	0.00014629	No
						Ppfia1	16.8494	9.10623	-0.887771	16.8504	9.10723	-0.8876986	0.00014629	No
						Ppfia4	2.31021	6.14074	1.41039	2.31121	6.14174	1.40999909	0.0193137	No
						Ppfibp1	9.68891	41.0739	2.08382	9.68991	41.0749	2.08370189	0.00014629	No
						Ppfibp2	0.204082	22.7138	6.79827	0.205082	22.7148	6.79128792	0.00263402	No
						Pphln1	16.2385	5.33687	-1.60535	16.2395	5.33787	-1.6051711	0.00014629	No
						Ppib	225.398	161.151	-0.484062	225.399	161.152	-0.484059	0.0174574	No
						Ppic	0	55.3397	inf	0.001	55.3407	15.7560533	0.00014629	No
						Ppid	45.3659	28.7557	-0.657759	45.3669	28.7567	-0.657742	0.00318982	No
						Ppif	14.5457	24.5072	0.752618	14.5467	24.5082	0.75257262	0.00161718	No
						Ppig	39.5549	12.6954	-1.63955	39.5559	12.6964	-1.6394734	0.00014629	No
						Ppil1	100.036	32.607	-1.61726	100.037	32.608	-1.6172358	0.00470105	No
						Ppil4	21.3351	5.00653	-2.09134	21.3361	5.00753	-2.0911254	0.00014629	No
						Ppil6	4.5393	10.5589	1.21791	4.5403	10.5599	1.21773664	0.00586782	No
						Ppip5k1	3.86864	11.1207	1.52335	3.86964	11.1217	1.52310607	0.00014629	No
						Ppl	1.80077	10.8847	2.59561	1.80177	10.8857	2.59494742	0.00014629	No
						Ppm1b	76.2163	29.3599	-1.37625	76.2173	29.3609	-1.3762223	0.00014629	No
						Ppm1d	20.2473	6.26225	-1.69298	20.2483	6.26325	-1.6928174	0.00014629	No
						Ppm1f	10.3632	3.59536	-1.52726	10.3642	3.59636	-1.5269994	0.00014629	No
						Ppm1g	70.1631	41.1601	-0.769466	70.1641	41.1611	-0.7694515	0.00014629	No
						Ppm1j	0.83931	32.2427	5.26362	0.84031	32.2437	5.26195184	0.00014629	No
						Ppox	6.97688	48.2873	2.79099	6.97788	48.2883	2.79081298	0.00014629	No
						PPP1ca	293.168	168.242	-0.801191	293.169	168.243	-0.8011861	0.00078603	No
						PPP1cb	101.431	73.2254	-0.470082	101.432	73.2264	-0.4700771	0.0265991	No
						PPP1r10	19.8955	9.5434	-1.05987	19.8965	9.5444	-1.0597883	0.00014629	No
						PPP1r12a	50.5541	6.39101	-2.98371	50.5551	6.39201	-2.9835151	0.00014629	No
						PPP1r12b	11.6903	3.07683	-1.92579	11.6913	3.07783	-1.9254499	0.00014629	No
						PPP1r12c	68.9914	42.5151	-0.69844	68.9924	42.5161	-0.6984282	0.0296199	No
						PPP1r13b	2.43226	7.62207	1.64789	2.43326	7.62307	1.64748164	0.00014629	No
						PPP1r13l	0.313992	3.00952	3.26073	0.314992	3.01052	3.25662561	0.00014629	No
						PPP1r15b	23.9212	11.6255	-1.041	23.9222	11.6265	-1.0409332	0.00014629	No
						PPP1r16a	1.55421	42.181	4.76234	1.55521	42.182	4.76144619	0.00014629	No
						PPP1r16b	39.7411	9.85784	-2.01129	39.7421	9.85884	-2.0111783	0.00014629	No
						PPP1r18	50.5985	9.78159	-2.37095	50.5995	9.78259	-2.3708347	0.00014629	No
						PPP1r26	0.310696	2.55277	3.03849	0.311696	2.55377	3.03441705	0.00090728	No
						PPP1r36	0.706649	29.6757	5.39214	0.707649	29.6767	5.39015292	0.00161718	No
						PPP1r37	17.8006	30.8473	0.793222	17.8016	30.8483	0.79318407	0.00014629	No
						PPP1r8	20.8606	12.1804	-0.776217	20.8616	12.1814	-0.7761699	0.00954394	No
						PPP1r9a	0	3.09382	inf	0.001	3.09482	11.5956398	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ppp2cb	32.1512	79.1409	1.29955	32.1522	79.1419	1.29952424	0.00014629	No
						Ppp2r1a	54.4531	84.2299	0.629318	54.4541	84.2309	0.6293089	0.00427532	No
						Ppp2r1b	7.74476	47.1754	2.60674	7.74576	47.1764	2.60658663	0.00014629	No
						Ppp2r2a	60.3567	32.1897	-0.906915	60.3577	32.1907	-0.9068939	0.00014629	No
						Ppp2r2b	0	7.37967	inf	0.001	7.38067	12.8495361	0.00014629	No
						Ppp2r3a	0.164001	4.52905	4.78743	0.165001	4.53005	4.7789803	0.00053701	No
						Ppp2r5a	114.36	70.4481	-0.698946	114.361	70.4491	-0.698942	0.00066215	No
						Ppp2r5c	151.155	29.0578	-2.37904	151.156	29.0588	-2.3789912	0.00014629	No
						PPP3CA	17.3551	9.70166	-0.839057	17.3561	9.70266	-0.8389906	0.00053701	No
						Ppp3r1	55.7877	34.0227	-0.713452	55.7887	34.0237	-0.7134329	0.00028114	No
						Ppp4c	66.2194	40.802	-0.698615	66.2204	40.803	-0.6986005	0.00126596	No
						Ppp4r1	24.4152	17.1791	-0.507127	24.4162	17.1801	-0.5071003	0.0196905	No
						Ppp4r2	42.51	19.2661	-1.14174	42.511	19.2671	-1.1416968	0.00014629	No
						Ppp5c	31.9495	50.1196	0.649583	31.9505	50.1206	0.64956518	0.00173187	No
						Ppp6r1	142.858	68.4786	-1.06085	142.859	68.4796	-1.0608457	0.00014629	No
						Ppp6r2	39.5507	17.7946	-1.15226	39.5517	17.7956	-1.1522191	0.004167	No
						Pprc1	9.27867	3.45408	-1.42562	9.27967	3.45508	-1.4253544	0.00014629	No
						Ppt1	34.8776	21.551	-0.694541	34.8786	21.552	-0.6945204	0.00274649	No
						Pptc7	17.3258	8.22551	-1.07474	17.3268	8.22651	-1.0746528	0.00014629	No
						Pqbp1	56.8006	32.7638	-0.793803	56.8016	32.7648	-0.7937848	0.00438237	No
						PQLC1	3.19758	90.0889	4.8163	3.19858	90.0899	4.8158619	0.00014629	No
						Pqlc2	2.02265	6.29137	1.63713	2.02365	6.29237	1.63664372	0.00053701	No
						Pradc1	9.24527	40.7492	2.13999	9.24627	40.7502	2.13986374	0.00470105	No
						Pragmin	0.883494	3.52953	1.99818	0.884494	3.53053	1.99696051	0.00014629	No
						Pram1	0.557353	2.46661	2.14587	0.558353	2.46761	2.14386499	0.00307875	No
						Prc1	0.912428	2.02099	1.14728	0.913428	2.02199	1.14641294	0.0246902	No
						Prcp	7.01681	2.53184	-1.47063	7.01781	2.53284	-1.4702649	0.00014629	No
						Prdm10	3.21531	0.492831	-2.70579	3.21631	0.493831	-2.7033172	0.00014629	No
						Prdm11	2.60698	0.677051	-1.94504	2.60798	0.678051	-1.9434671	0.00395247	No
						Prdm15	8.84652	2.25919	-1.9693	8.84752	2.26019	-1.9688291	0.00014629	No
						Prdm2	25.4298	14.8026	-0.78067	25.4308	14.8036	-0.7806288	0.00330073	No
						Prdm9	0.556875	2.1546	1.952	0.557875	2.1556	1.95007569	0.00230432	No
						Prdx1	121.606	376.982	1.63228	121.607	376.983	1.63227319	0.00014629	No
						Prdx2	119.105	289.753	1.28259	119.106	289.754	1.28258249	0.00014629	No
						Prdx3	18.7332	94.4369	2.33376	18.7342	94.4379	2.33369159	0.00014629	No
						Prdx5	74.1819	646.567	3.12366	74.1829	646.568	3.12364353	0.00014629	No
						Prdx6	62.0128	199.63	1.68669	62.0138	199.631	1.68667457	0.00014629	No
						Preb	12.3296	55.0531	2.1587	12.3306	55.0541	2.15860701	0.00014629	No
						Prex1	112.709	7.72262	-3.86736	112.71	7.72362	-3.8671945	0.00014629	No
						Prf1	40.9486	1.22049	-5.06828	40.9496	1.22149	-5.0671354	0.00014629	No
						Prickle1	0.126882	3.05617	4.59017	0.127882	3.05717	4.57931166	0.00014629	No
						Prickle2	0	0.931549	inf	0.001	0.932549	9.86503572	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prickle3	33.492	22.1111	-0.599043	33.493	22.1121	-0.5990236	0.0143989	No
						Prkaa1	29.875	8.15112	-1.87387	29.876	8.15212	-1.8737398	0.00014629	No
						Prkaa2	0.0297536	12.2741	8.68834	0.0307536	12.2751	8.64076376	0.00954394	No
						Prkab1	43.874	86.8099	0.984495	43.875	86.8109	0.98447707	0.00014629	No
						Prkacb	50.4894	10.8814	-2.21412	50.4904	10.8824	-2.2140123	0.00014629	No
						Prkag2	20.8621	9.86035	-1.08117	20.8631	9.86135	-1.0810965	0.00090728	No
						Prkar1b	0	9.19449	inf	0.001	9.19549	13.1667107	0.00014629	No
						Prkar2b	32.268	4.09766	-2.97723	32.269	4.09866	-2.9769246	0.00014629	No
						Prkca	21.0354	4.36105	-2.27007	21.0364	4.36205	-2.2698096	0.00014629	No
						Prkcd	11.5531	30.8951	1.41909	11.5541	30.8961	1.41901985	0.00014629	No
						Prkch	124.6	6.98786	-4.15631	124.601	6.98886	-4.1561147	0.00014629	No
						Prkci	6.66269	18.0728	1.43964	6.66369	18.0738	1.43950667	0.00014629	No
						Prkccq	150.421	24.3276	-2.62834	150.422	24.3286	-2.6282904	0.00014629	No
						Prkcz	4.50428	32.8737	2.86756	4.50528	32.8747	2.86728905	0.00014629	No
						Prkd2	84.9529	17.5055	-2.27886	84.9539	17.5065	-2.2787895	0.00014629	No
						Prkd3	21.9963	7.28645	-1.59398	21.9973	7.28745	-1.5938405	0.00014629	No
						Prkdc	11.7402	2.11242	-2.47449	11.7412	2.11342	-2.4739285	0.00014629	No
						Prkra	8.7635	76.931	3.13399	8.7645	76.932	3.13384012	0.00014629	No
						Prkrir	28.4599	9.81846	-1.53536	28.4609	9.81946	-1.5352657	0.00014629	No
						Prkx	12.3038	4.31462	-1.5118	12.3048	4.31562	-1.5115815	0.00014629	No
						Prlr	0.0740371	15.3694	7.69759	0.0750371	15.3704	7.67833492	0.00014629	No
						Prmt3	17.0795	8.14535	-1.06822	17.0805	8.14635	-1.0681245	0.00028114	No
						Prmt5	15.6562	21.7136	0.471862	15.6572	21.7146	0.47183914	0.0336436	No
						Prmt6	4.92102	1.58802	-1.63173	4.92202	1.58902	-1.6311132	0.00014629	No
						Prmt7	13.9768	8.27329	-0.756497	13.9778	8.27429	-0.7564299	0.00984666	No
						Prodh2	0	286.983	inf	0.001	286.984	18.1306108	0.00014629	No
						Prom1	1.08443	23.6297	4.44559	1.08543	23.6307	4.44432377	0.00014629	No
						Pros1	1.13994	2.58108	1.17902	1.14094	2.58208	1.17831078	0.00533979	No
						Prosc	22.2577	86.6895	1.96155	22.2587	86.6905	1.96150457	0.00014629	No
						Proser1	13.6606	4.48379	-1.60723	13.6616	4.48479	-1.6070141	0.00014629	No
						Prpf18	28.3693	13.6688	-1.05344	28.3703	13.6698	-1.0533893	0.00230432	No
						Prpf38a	28.9819	18.1207	-0.677511	28.9829	18.1217	-0.6774837	0.00405996	No
						Prpf38b	77.6651	22.1063	-1.81281	77.6661	22.1073	-1.8127622	0.00014629	No
						Prpf39	63.826	25.6836	-1.3133	63.827	25.6846	-1.3132632	0.00014629	No
						Prpf4	18.4396	9.19961	-1.00317	18.4406	9.20061	-1.0030842	0.00014629	No
						Prpf40a	32.7197	10.4647	-1.64462	32.7207	10.4657	-1.6445348	0.00014629	No
						Prpf40b	7.67855	22.8763	1.57495	7.67955	22.8773	1.57482311	0.029796	No
						Prpf8	52.1619	15.5839	-1.74294	52.1629	15.5849	-1.7428752	0.00014629	No
						PRPS1	34.644	8.03447	-2.10833	34.645	8.03547	-2.1081928	0.00014629	No
						Prps2	64.7357	20.3396	-1.67027	64.7367	20.3406	-1.6702216	0.00014629	No
						Prpsap1	47.0321	133.064	1.5004	47.0331	133.065	1.50038282	0.00014629	No
						Prr12	12.4411	6.58802	-0.917203	12.4421	6.58902	-0.9170942	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prr14	35.7653	10.0903	-1.82558	35.7663	10.0913	-1.8254888	0.00014629	No
						Prr14l	11.4436	3.65593	-1.64623	11.4446	3.65693	-1.6459621	0.00014629	No
						Prr16	0	1.3857	inf	0.001	1.3867	10.43744	0.00014629	No
						Prr22	1.65501	7.53175	2.18615	1.65601	7.53275	2.18546526	0.00014629	No
						Prr5	1.60816	32.334	4.32957	1.60916	32.335	4.32871692	0.00014629	No
						Prr7	19.8217	1.87444	-3.40255	19.8227	1.87544	-3.4018525	0.00041099	No
						Prcc2b	48.0242	12.6585	-1.92366	48.0252	12.6595	-1.9235712	0.00014629	No
						Prrg2	0.505998	14.096	4.80001	0.506998	14.097	4.79726431	0.00438237	No
						Prss12	0	6.12251	inf	0.001	6.12351	12.5801431	0.00014629	No
						Prss30	0.479451	6.25991	3.70669	0.480451	6.26091	3.70391116	0.0390364	No
						Prss39	13.3852	6.38461	-1.06797	13.3862	6.38561	-1.0678501	0.00173187	No
						Prss53	1.09162	16.7926	3.94328	1.09262	16.7936	3.94204789	0.00014629	No
						Prss8	1.36632	92.9699	6.0884	1.36732	92.9709	6.08735639	0.00782085	No
						Prtfdc1	1.13452	4.01774	1.8243	1.13552	4.01874	1.82339013	0.024968	No
						Prune	6.46975	18.6901	1.53049	6.47075	18.6911	1.53034663	0.00014629	No
						Prx	0.0609875	0.925501	3.92365	0.0619875	0.926501	3.90174331	0.00740907	No
						Psap	131.858	207.377	0.65327	131.859	207.378	0.65326681	0.00053701	No
						Psat1	6.61527	131.439	4.31244	6.61627	131.44	4.31224247	0.00014629	No
						Psca	0.0283284	71.3532	11.2985	0.0293284	71.3542	11.2484843	0.019873	No
						Psen2	12.5654	6.90606	-0.863518	12.5664	6.90706	-0.8634277	0.00184429	No
						Psip1	74.5191	8.70373	-3.0979	74.5201	8.70473	-3.0977582	0.00014629	No
						Pskh1	7.60375	14.3185	0.9131	7.60475	14.3195	0.91300839	0.00138312	No
						Psma3l	2.67807	0.963202	-1.47528	2.67907	0.964202	-1.4743249	0.0487067	No
						Psemb1	248.445	186.577	-0.413156	248.446	186.578	-0.4131534	0.0400829	No
						Psemb11	0.355889	6.28875	4.14328	0.356889	6.28975	4.13945533	0.00161718	No
						Psemb5	100.994	183.185	0.859031	100.995	183.186	0.85902538	0.00014629	No
						Psemb6	68.0441	139.69	1.03769	68.0451	139.691	1.03767589	0.00014629	No
						Psemb7	90.2358	133.322	0.56314	90.2368	133.323	0.56313787	0.00448672	No
						Psemb9	138.684	34.9193	-1.98971	138.685	34.9203	-1.9896739	0.00014629	No
						Psmc2	52.7323	80.105	0.603205	52.7333	80.106	0.60319602	0.00352183	No
						Psmc3	82.9846	125.156	0.592808	82.9856	125.157	0.59280606	0.00230432	No
						Psmc4	82.9975	112.695	0.441284	82.9985	112.696	0.44127914	0.0285184	No
						Psmc5	66.1757	100.973	0.609598	66.1767	100.974	0.6095886	0.0448712	No
						Psmd10	14.5504	29.5891	1.02401	14.5514	29.5901	1.02395661	0.0185598	No
						Psmd13	67.6924	50.8411	-0.412997	67.6934	50.8421	-0.4129916	0.0480948	No
						Psmd14	54.2054	34.7608	-0.640974	54.2064	34.7618	-0.6409604	0.00307875	No
						Psmd2	50.3637	75.0447	0.575365	50.3647	75.0457	0.57535649	0.00285806	No
						Psmd3	43.2901	63.4097	0.550667	43.2911	63.4107	0.55065584	0.00566132	No
						Psmd4	72.0729	98.0933	0.444697	72.0739	98.0943	0.44469239	0.0330385	No
						Psmd5	14.5109	27.0044	0.896059	14.5119	27.0054	0.8960115	0.00053701	No
						Psmd6	49.773	79.2509	0.671064	49.774	79.2519	0.67105319	0.00102864	No
						Psmd8	30.7066	67.0951	1.12766	30.7076	67.0961	1.12763315	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Psmc1	708.239	339.723	-1.05988	708.24	339.724	-1.0598752	0.00014629	No
						Psmc3	154.203	245.676	0.671926	154.204	245.677	0.67192261	0.00341151	No
						Psmg1	27.223	40.4466	0.571193	27.224	40.4476	0.57117504	0.0207324	No
						PSMG3	13.226	30.0733	1.18511	13.227	30.0743	1.18504528	0.00041099	No
						Psph	10.9638	78.6889	2.84342	10.9648	78.6899	2.84329898	0.00014629	No
						Pstpip1	119.63	45.0655	-1.40848	119.631	45.0665	-1.408464	0.00014629	No
						Ptbp2	21.7687	4.55234	-2.25757	21.7697	4.55334	-2.2573244	0.00014629	No
						Ptbp3	67.2388	11.8818	-2.50054	67.2398	11.8828	-2.5004406	0.00014629	No
						Ptcd2	10.1015	14.6626	0.537577	10.1025	14.6636	0.53752699	0.0499959	No
						Ptchd3	0	0.882105	inf	0.001	0.883105	9.78644117	0.00014629	No
						Ptdss1	29.249	9.7532	-1.58444	29.25	9.7542	-1.5843412	0.00384649	No
						Pten	58.1482	18.7045	-1.63635	58.1492	18.7055	-1.6362968	0.00014629	No
						Pter	1.34812	121.174	6.48999	1.34912	121.175	6.4889296	0.00014629	No
						Ptger2	10.927	5.04436	-1.11516	10.928	5.04536	-1.1150003	0.00597292	No
						Ptger3	1.24465	18.6772	3.90746	1.24565	18.6782	3.90638477	0.00014629	No
						Ptger4	19.6263	3.81457	-2.3632	19.6273	3.81557	-2.3628912	0.00014629	No
						Ptges	0	6.1068	inf	0.001	6.1078	12.5764371	0.00014629	No
						Ptges2	8.6803	37.1047	2.09579	8.6813	37.1057	2.09565782	0.00014629	No
						Ptges3	123.929	90.3846	-0.455363	123.93	90.3856	-0.4553606	0.0252454	No
						Ptges3l1	13.6965	2.32895	-2.55605	13.6975	2.32995	-2.5555417	0.00014629	No
						Ptgrn	0.447749	13.7393	4.93948	0.448749	13.7403	4.93636097	0.00014629	No
						Ptgr2	10.73	31.8598	1.57008	10.731	31.8608	1.56999797	0.00014629	No
						Ptgs1	0.225176	8.64463	5.26268	0.226176	8.64563	5.25645334	0.00066215	No
						Pth1r	0	299.708	inf	0.001	299.709	18.1932029	0.00014629	No
						Ptk2	3.27412	27.6687	3.07908	3.27512	27.6697	3.07868733	0.00014629	No
						Ptk2b	76.1742	14.7767	-2.36598	76.1752	14.7777	-2.3658996	0.00014629	No
						Ptms	178.085	813.738	2.192	178.086	813.739	2.19199203	0.00014629	No
						Ptn	0	18.7114	inf	0.001	18.7124	14.191707	0.00014629	No
						Ptp4a1	38.9244	25.6281	-0.602947	38.9254	25.6291	-0.602929	0.00649695	No
						PTP4A2	340.57	139.559	-1.28707	340.571	139.56	-1.2870701	0.00014629	No
						Ptp4a3	78.71	10.3613	-2.92534	78.711	10.3623	-2.925221	0.00014629	No
						Ptpdc1	3.065	13.8107	2.17183	3.066	13.8117	2.1714613	0.00014629	No
						Ptpla	1.02754	9.24826	3.16999	1.02854	9.24926	3.16874004	0.0222999	No
						Ptplad1	7.36432	12.1443	0.72166	7.36532	12.1453	0.72157801	0.00384649	No
						Ptplad2	0.676265	13.1396	4.28019	0.677265	13.1406	4.2781669	0.0147863	No
						Ptpmt1	5.68074	25.096	2.14331	5.68174	25.097	2.1431102	0.00874754	No
						Ptpn1	32.6771	9.03742	-1.8543	32.6781	9.03842	-1.8541816	0.00014629	No
						Ptpn13	0.514727	90.3206	7.4551	0.515727	90.3216	7.45231966	0.00014629	No
						Ptpn18	179.915	50.6158	-1.82966	179.916	50.6168	-1.8296353	0.00014629	No
						PTPN2	53.6134	22.0085	-1.28453	53.6144	22.0095	-1.2844942	0.00014629	No
						Ptpn21	0.0743421	8.36389	6.81385	0.0753421	8.36489	6.79474651	0.00028114	No
						Ptpn22	173.311	10.8571	-3.99665	173.312	10.8581	-3.996528	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ptpn23	6.33787	18.1562	1.51839	6.33887	18.1572	1.51824416	0.00014629	No
						Ptpn4	1.46535	0.84098	-0.801104	1.46635	0.84198	-0.8003716	0.0321606	No
						Ptpn7	14.3046	3.05544	-2.22702	14.3056	3.05644	-2.2266559	0.00014629	No
						Ptprb	0	2.01586	inf	0.001	2.01686	10.9778952	0.00014629	No
						Ptprc	751.434	11.6146	-6.01564	751.435	11.6156	-6.0155127	0.00014629	No
						Ptprcap	500.293	25.266	-4.30751	500.294	25.267	-4.3074499	0.00014629	No
						Ptprd	0	5.98339	inf	0.001	5.98439	12.5469885	0.00014629	No
						Ptpre	10.3473	1.34603	-2.94247	10.3483	1.34703	-2.9415399	0.00078603	No
						Ptprf	14.6815	24.7154	0.751411	14.6825	24.7164	0.75137099	0.00090728	No
						PTPRG	0.227247	2.61029	3.52188	0.228247	2.61129	3.51609488	0.00014629	No
						Ptprj	1.90855	6.71392	1.81468	1.90955	6.71492	1.81413752	0.0188385	No
						Ptprk	1.87532	18.5727	3.30797	1.87632	18.5737	3.30728344	0.00014629	No
						Ptprm	0.577372	3.601	2.64083	0.578372	3.602	2.63872857	0.00014629	No
						Ptpro	0.96353	4.16981	2.11358	0.96453	4.17081	2.11242958	0.00994441	No
						Ptprr	0	6.56718	inf	0.001	6.56818	12.6812779	0.00014629	No
						Pttg1ip	39.9804	239.789	2.5844	39.9814	239.79	2.5843706	0.00014629	No
						Pum1	58.6694	13.8368	-2.08409	58.6704	13.8378	-2.0840182	0.00014629	No
						Pum2	96.1356	20.4823	-2.23069	96.1366	20.4833	-2.2306376	0.00014629	No
						Purb	26.8469	13.8657	-0.953239	26.8479	13.8667	-0.9531848	0.00964777	No
						Pus10	8.03331	1.39607	-2.52462	8.03431	1.39707	-2.5237698	0.00014629	No
						Pus3	18.3771	7.6316	-1.26785	18.3781	7.6326	-1.2677411	0.00014629	No
						Pus7	4.4408	1.44912	-1.61564	4.4418	1.45012	-1.6149721	0.00066215	No
						Pus7l	6.88741	1.16257	-2.56664	6.88841	1.16357	-2.565613	0.0158416	No
						Pvrl3	0.101739	8.92398	6.45474	0.102739	8.92498	6.44079309	0.0277051	No
						Pwp1	8.68582	20.1528	1.21425	8.68682	20.1538	1.21415184	0.00459197	No
						Pwp2	13.7075	6.84786	-1.00124	13.7085	6.84886	-1.0011349	0.00014629	No
						Pwwp2a	33.3926	6.45373	-2.37132	33.3936	6.45473	-2.371143	0.00014629	No
						Pxmp2	1.35441	36.451	4.75022	1.35541	36.452	4.74919675	0.00014629	No
						Pxmp4	9.68879	40.0543	2.04757	9.68979	40.0553	2.04745584	0.00173187	No
						Pycard	93.955	15.7582	-2.57587	93.956	15.7592	-2.575791	0.00014629	No
						Pygb	5.57944	10.7293	0.943362	5.58044	10.7303	0.94323963	0.00014629	No
						Pygo2	31.8812	19.773	-0.689171	31.8822	19.774	-0.6891464	0.00138312	No
						Pyroxd1	8.95712	24.7932	1.46884	8.95812	24.7942	1.46873478	0.00230432	No
						Pyroxd2	3.40686	405.589	6.89543	3.40786	405.59	6.8950122	0.00014629	No
						Qars	79.2556	47.0193	-0.753259	79.2566	47.0203	-0.7532473	0.00014629	No
						Qdpr	30.8637	197.827	2.68025	30.8647	197.828	2.68021696	0.00014629	No
						QK	26.5656	12.5951	-1.07669	26.5666	12.5961	-1.0766365	0.00014629	No
						Qprt	61.1958	96.3259	0.65449	61.1968	96.3269	0.65448252	0.0148843	No
						Qrs1	5.72615	11.2132	0.969565	5.72715	11.2142	0.96943741	0.00114835	No
						Qsox1	2.2228	9.23414	2.0546	2.2238	9.23514	2.05410679	0.00014629	No
						Qsox2	4.0863	2.17553	-0.90943	4.0873	2.17653	-0.9091182	0.0444443	No
						Qtrt1	3.05144	5.77358	0.919977	3.05244	5.77458	0.91975308	0.0356089	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Qtrtd1	4.02369	1.03588	-1.95766	4.02469	1.03688	-1.9566287	0.00014629	No
						R3hdm1	25.2233	5.8096	-2.11825	25.2243	5.8106	-2.1180552	0.00014629	No
						Rab1	24.1362	70.6442	1.54937	24.1372	70.6452	1.54933321	0.00014629	No
						Rab10	50.2729	31.6946	-0.665546	50.2739	31.6956	-0.665527	0.00263402	No
						Rab11a	31.7368	95.466	1.58883	31.7378	95.467	1.5888	0.00014629	No
						Rab11b	88.6046	137.657	0.635629	88.6056	137.658	0.63561867	0.00102864	No
						Rab11fip1	2.52977	12.6009	2.31645	2.53077	12.6019	2.31599296	0.00014629	No
						Rab11fip4	72.34	8.66204	-3.06202	72.341	8.66304	-3.0618683	0.00014629	No
						Rab11fip5	0.410447	40.0911	6.60994	0.411447	40.0921	6.60646757	0.00014629	No
						Rab17	0	122.977	inf	0.001	122.978	16.9080407	0.00014629	No
						Rab18	14.3386	34.3319	1.25965	14.3396	34.3329	1.25958694	0.00014629	No
						Rab19	11.9823	3.21388	-1.89852	11.9833	3.21488	-1.8981885	0.00041099	No
						Rab23	6.22317	14.5577	1.22606	6.22417	14.5587	1.22592817	0.00014629	No
						Rab25	8.52928	27.7283	1.70086	8.53028	27.7293	1.70074619	0.00014629	No
						Rab27a	91.4485	5.25326	-4.12167	91.4495	5.25426	-4.1214158	0.00014629	No
						Rab32	0.224873	6.16926	4.77792	0.225873	6.17026	4.77174755	0.00041099	No
						Rab33a	10.8026	5.3206	-1.02171	10.8036	5.3216	-1.0215802	0.0433332	No
						Rab33b	7.69595	2.84921	-1.43354	7.69695	2.85021	-1.4332187	0.00014629	No
						Rab35	75.0521	24.7377	-1.60118	75.0531	24.7387	-1.601142	0.00014629	No
						RAB37	35.7751	1.41961	-4.65539	35.7761	1.42061	-4.6544137	0.00014629	No
						Rab3d	12.362	5.20029	-1.24925	12.363	5.20129	-1.2490875	0.00053701	No
						Rab3ip	439.245	95.5712	-2.20038	439.246	95.5722	-2.2003662	0.00014629	No
						Rab4a	10.9565	31.0039	1.50066	10.9575	31.0049	1.50057756	0.00041099	No
						Rab6b	0.266549	1.16718	2.13055	0.267549	1.16818	2.12638755	0.0118533	No
						Rab7a	92.2184	206.935	1.16605	92.2194	206.936	1.16604246	0.00014629	No
						Rab8a	170.638	65.946	-1.37158	170.639	65.947	-1.3715685	0.00014629	No
						Rab9a	19.6994	40.34	1.03406	19.7004	40.341	1.03402192	0.00014629	No
						Rabac1	254.171	130.974	-0.956521	254.172	130.975	-0.9565136	0.00014629	No
						Rabepk	6.5435	11.0511	0.75605	6.5445	11.0521	0.75596564	0.0119499	No
						Rabgap1l	13.0642	5.6719	-1.20372	13.0652	5.6729	-1.2035709	0.00954394	No
						Rabl2a	0.234729	15.0486	6.00249	0.235729	15.0496	5.99645208	0.00014629	No
						Rabl5	0.600688	10.9873	4.19307	0.601688	10.9883	4.19080881	0.00053701	No
						Rac2	995.538	71.434	-3.80079	995.539	71.435	-3.8007748	0.00014629	No
						Rad1	12.7152	4.98872	-1.34982	12.7162	4.98972	-1.3496368	0.00041099	No
						Rad17	16.0968	7.59105	-1.0844	16.0978	7.59205	-1.0843021	0.00014629	No
						Rad21	65.5454	36.0281	-0.863373	65.5464	36.0291	-0.8633539	0.00014629	No
						Rad50	11.6973	4.55241	-1.36147	11.6983	4.55341	-1.3612796	0.00014629	No
						Raf1	51.2862	31.481	-0.704091	51.2872	31.482	-0.7040716	0.00285806	No
						Ralb	5.13499	24.1279	2.23227	5.13599	24.1289	2.23204785	0.00014629	No
						Ralbp1	36.7492	21.1828	-0.794823	36.7502	21.1838	-0.7947907	0.00014629	No
						Ralgapa1	14.8601	9.12403	-0.703703	14.8611	9.12503	-0.7036397	0.00491494	No
						Ralgapb	13.9798	5.84737	-1.25748	13.9808	5.84837	-1.2573404	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ralgds	6.09747	3.58927	-0.764523	6.09847	3.59027	-0.764355	0.00700299	No
						Ralgps2	15.9328	2.36237	-2.75369	15.9338	2.36337	-2.753173	0.00014629	No
						Raly	271.323	100.908	-1.42697	271.324	100.909	-1.4269618	0.00014629	No
						Ramp2	0.684541	16.3707	4.57984	0.685541	16.3717	4.57781737	0.00195831	No
						Ranbp1	69.771	48.2085	-0.53334	69.772	48.2095	-0.5333307	0.011151	No
						Ranbp10	27.4415	8.69656	-1.65784	27.4425	8.69756	-1.6577293	0.00014629	No
						Ranbp2	30.447	20.6561	-0.55973	30.448	20.6571	-0.5597097	0.0240648	No
						Ranbp6	6.79271	2.82051	-1.26803	6.79371	2.82151	-1.2677322	0.00014629	No
						Ranbp9	52.7788	15.8852	-1.73228	52.7798	15.8862	-1.7322118	0.00014629	No
						Rangap1	45.4066	31.0941	-0.546258	45.4076	31.0951	-0.5462465	0.00720409	No
						Rap1a	149.218	44.3373	-1.75083	149.219	44.3383	-1.7508059	0.00014629	No
						Rap1b	236.347	56.3747	-2.06779	236.348	56.3757	-2.0677673	0.00014629	No
						Rap1gap2	4.75989	14.8421	1.64069	4.76089	14.8431	1.64048923	0.00014629	No
						Rap1gds1	34.549	11.5308	-1.58315	34.55	11.5318	-1.583068	0.00014629	No
						Rap2a	5.42427	1.72822	-1.65014	5.42527	1.72922	-1.6495735	0.00161718	No
						Rap2c	27.9354	4.74813	-2.55666	27.9364	4.74913	-2.556411	0.00014629	No
						Rapgef1	24.2692	8.39843	-1.53094	24.2702	8.39943	-1.5308227	0.00014629	No
						Rapgef2	11.3951	5.73461	-0.990644	11.3961	5.73561	-0.9905214	0.00341151	No
						Rapgef3	0.0847054	25.1073	8.21144	0.0857054	25.1083	8.19456253	0.00053701	No
						Rapgef5	0.162558	1.088	2.74265	0.163558	1.089	2.73512972	0.00028114	No
						Rapgef6	51.0873	1.68156	-4.92509	51.0883	1.68256	-4.9242631	0.00014629	No
						RAPGEFL1	0.206197	3.70441	4.16715	0.207197	3.70541	4.16055816	0.00014629	No
						Rapsn	0.746328	11.7763	3.97993	0.747328	11.7773	3.97812345	0.00014629	No
						Rarres2	0	11.0176	inf	0.001	11.0186	13.4276533	0.00639443	No
						Rars2	5.52212	16.2874	1.56046	5.52312	16.2884	1.56028952	0.00053701	No
						Rasa1	28.4281	7.66516	-1.89093	28.4291	7.66616	-1.8907924	0.00014629	No
						Rasa2	9.09317	3.49864	-1.37799	9.09417	3.49964	-1.3777355	0.00014629	No
						Rasa3	83.8652	2.7944	-4.90746	83.8662	2.7954	-4.9069628	0.00014629	No
						RASA4	25.7138	7.56648	-1.76485	25.7148	7.56748	-1.7647141	0.00014629	No
						Rasal3	86.8415	7.05378	-3.62192	86.8425	7.05478	-3.6217283	0.00014629	No
						Rasd1	0.898871	10.0908	3.48879	0.899871	10.0918	3.48732151	0.00014629	No
						Rasgef1b	21.3965	5.24393	-2.02865	21.3975	5.24493	-2.0284468	0.00014629	No
						Rasgrp1	93.0417	4.10083	-4.50389	93.0427	4.10183	-4.5035534	0.00014629	No
						Rasgrp2	131.197	11.5633	-3.50411	131.198	11.5643	-3.5039959	0.00014629	No
						Rasgrp3	0.590578	4.0299	2.77055	0.591578	4.0309	2.76846169	0.0137192	No
						Rasip1	0.690721	4.36119	2.65855	0.691721	4.36219	2.65679045	0.00014629	No
						Rasl10a	0.0782238	4.02306	5.68454	0.0792238	4.02406	5.6665741	0.0224797	No
						Rasl11a	0.661397	10.0228	3.92163	0.662397	10.0238	3.91958959	0.00384649	No
						Rasl11b	1.44708	24.9859	4.1099	1.44808	24.9869	4.10895871	0.00014629	No
						Rassf2	23.8581	5.37287	-2.15071	23.8591	5.37387	-2.1505063	0.00014629	No
						Rassf3	28.6229	16.7905	-0.769525	28.6239	16.7915	-0.7694891	0.00014629	No
						Rassf5	61.1776	7.56604	-3.01539	61.1786	7.56704	-3.0152261	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rassf6	0.0957328	19.3684	7.66047	0.0967328	19.3694	7.64555839	0.00014629	No
						Rassf8	0.148051	19.9423	7.07359	0.149051	19.9433	7.06395429	0.00014629	No
						Rassf9	0	5.60605	inf	0.001	5.60705	12.4530262	0.00014629	No
						RatNP-3b	0	6.3595	inf	0.001	6.3605	12.6349245	0.00014629	No
						Raver1	46.1155	17.8148	-1.37218	46.1165	17.8158	-1.3721258	0.00014629	No
						Rb1cc1	20.3536	11.3242	-0.845876	20.3546	11.3252	-0.8458183	0.00566132	No
						Rbak	4.16635	2.5564	-0.704671	4.16735	2.5574	-0.7044524	0.0413818	No
						Rbbp5	19.0582	9.07415	-1.07058	19.0592	9.07515	-1.0704942	0.00014629	No
						Rbbp8nl	0.0548614	6.23472	6.82839	0.0558614	6.23572	6.80256061	0.0315381	No
						Rbck1	117.172	50.4794	-1.21486	117.173	50.4804	-1.2148449	0.00014629	No
						Rbfa	16.2478	23.1081	0.508154	16.2488	23.1091	0.5081279	0.0491588	No
						Rbl1	2.01867	0.924539	-1.1266	2.01967	0.925539	-1.1257539	0.0156475	No
						Rbl2	38.207	15.2782	-1.32237	38.208	15.2792	-1.3223057	0.00639443	No
						Rbm12b	9.16316	4.21345	-1.12084	9.16416	4.21445	-1.1206583	0.00041099	No
						Rbm19	3.9228	2.17026	-0.854019	3.9238	2.17126	-0.853719	0.0141124	No
						Rbm22	39.385	17.4171	-1.17714	39.386	17.4181	-1.1770956	0.00014629	No
						Rbm25	75.2741	27.8381	-1.43509	75.2751	27.8391	-1.4350601	0.00014629	No
						Rbm27	20.5782	5.26567	-1.96643	20.5792	5.26667	-1.9662239	0.00014629	No
						Rbm3	273.325	58.9276	-2.2136	273.326	58.9286	-2.2135828	0.00014629	No
						Rbm33	51.4579	7.51613	-2.77533	51.4589	7.51713	-2.7751668	0.00014629	No
						Rbm34	12.3287	4.88352	-1.33603	12.3297	4.88452	-1.335849	0.00014629	No
						Rbm38	46.5163	10.6797	-2.12286	46.5173	10.6807	-2.1227612	0.00014629	No
						RBM39	0.869201	2.96964	1.77253	0.870201	2.97064	1.7713532	0.00014629	No
						Rbm41	10.2993	0.969918	-3.40854	10.3003	0.970918	-3.4071931	0.0142084	No
						Rbm47	0.0358403	30.9251	9.75298	0.0368403	30.9261	9.71332439	0.0155518	No
						Rbm48	9.94299	3.74842	-1.4074	9.94399	3.74942	-1.4071574	0.00090728	No
						RBM4B	17.7656	57.7234	1.70007	17.7666	57.7244	1.70001365	0.00014629	No
						Rbm5	76.6211	47.302	-0.695842	76.6221	47.303	-0.6958289	0.00041099	No
						Rbm6	34.6614	18.2043	-0.929049	34.6624	18.2053	-0.929013	0.00053701	No
						Rbm7	51.2631	21.2935	-1.26751	51.2641	21.2945	-1.267468	0.00014629	No
						Rbms1	19.0037	11.4001	-0.737225	19.0047	11.4011	-0.7371832	0.00195831	No
						Rbms2	74.1304	28.9434	-1.35683	74.1314	28.9444	-1.3568005	0.00161718	No
						Rbms3	0	3.06662	inf	0.001	3.06762	11.5829041	0.00014629	No
						Rbmx	43.5131	14.8325	-1.55269	43.5141	14.8335	-1.5526239	0.00014629	No
						Rbmx2	10.3837	4.97169	-1.06252	10.3847	4.97269	-1.0623611	0.00195831	No
						Rbp1	0	214.85	inf	0.001	214.851	17.712977	0.00014629	No
						Rbpj	6.66678	4.80049	-0.473808	6.66778	4.80149	-0.4737243	0.0418048	No
						Rbpms	3.46043	156.169	5.49601	3.46143	156.17	5.49560536	0.00014629	No
						Rc3h1	20.9818	2.90661	-2.85173	20.9828	2.90761	-2.8513015	0.00014629	No
						Rc3h2	22.4084	6.46375	-1.7936	22.4094	6.46475	-1.7934375	0.00014629	No
						Rcan3	36.2502	8.80707	-2.04126	36.2512	8.80807	-2.0411309	0.00014629	No
						Rcbtb2	16.1821	36.2269	1.16266	16.1831	36.2279	1.16261319	0.0232282	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rcc1	12.4539	5.84901	-1.09033	12.4549	5.85001	-1.0902024	0.00090728	No
						Rcc2	107.396	28.0256	-1.93812	107.397	28.0266	-1.9380851	0.00014629	No
						Rchy1	18.8111	33.5177	0.833341	18.8121	33.5187	0.83330529	0.00028114	No
						Rcn1	17.4647	8.16024	-1.09776	17.4657	8.16124	-1.0976642	0.00014629	No
						Rcn2	5.06041	10.9924	1.11918	5.06141	10.9934	1.1190264	0.00041099	No
						Rcn3	1.39139	4.28929	1.62421	1.39239	4.29029	1.62351181	0.00954394	No
						Rcor3	5.04703	2.05379	-1.29715	5.04803	2.05479	-1.2967295	0.00427532	No
						Rcsd1	113.568	8.23211	-3.78615	113.569	8.23311	-3.7859878	0.00014629	No
						Rdh14	6.53482	11.5933	0.827078	6.53582	11.5943	0.82697556	0.013146	No
						Rdh16	1.78615	17.4087	3.28488	1.78715	17.4097	3.28415871	0.00014629	No
						Rdm1	8.7714	28.6368	1.70699	8.7724	28.6378	1.70687716	0.00014629	No
						Rdx	13.0484	37.9607	1.54063	13.0494	37.9617	1.54056113	0.00274649	No
						Reck	0.489848	1.34883	1.4613	0.490848	1.34983	1.45942948	0.0495818	No
						Recql	25.7952	11.7422	-1.1354	25.7962	11.7432	-1.135333	0.0117565	No
						Recql5	9.16243	29.1661	1.67049	9.16343	29.1671	1.67038232	0.00090728	No
						Reep2	0.203242	1.2537	2.62492	0.204242	1.2547	2.61899098	0.0245946	No
						Reep4	29.6991	16.4125	-0.855626	29.7001	16.4135	-0.8555849	0.00263402	No
						Reep6	0.365347	4.88322	3.7405	0.366347	4.88422	3.73684548	0.00014629	No
						Rel	7.77813	0.910001	-3.09548	7.77913	0.911001	-3.0940843	0.00014629	No
						Rela	40.9659	28.5843	-0.519199	40.9669	28.5853	-0.5191853	0.00924781	No
						Relt	15.2475	2.56513	-2.57146	15.2485	2.56613	-2.5710012	0.00014629	No
						Rem2	0.203869	2.01786	3.30711	0.204869	2.01886	3.30076727	0.0085437	No
						Repin1	0.701761	15.0468	4.42233	0.702761	15.0478	4.42037464	0.00014629	No
						Reps2	0	1.24251	inf	0.001	1.24351	10.2802024	0.00173187	No
						Rest	17.1012	9.2003	-0.894346	17.1022	9.2013	-0.8942723	0.0342694	No
						Rev1	47.3964	18.1183	-1.38733	47.3974	18.1193	-1.3872807	0.0327779	No
						Rev3l	17.1854	6.11154	-1.49157	17.1864	6.11254	-1.4914235	0.00090728	No
						Rexo1	44.4492	23.2523	-0.934785	44.4502	23.2533	-0.9347544	0.00014629	No
						Rexo4	47.5934	25.3461	-0.908996	47.5944	25.3471	-0.9089711	0.00014629	No
						Rfc1	15.1978	10.1299	-0.585242	15.1988	10.1309	-0.5851951	0.0223869	No
						Rfc5	19.381	11.4661	-0.757276	19.382	11.4671	-0.7572169	0.00274649	No
						Rfesd	15.5251	36.5286	1.23442	15.5261	36.5296	1.23437047	0.00014629	No
						RFFL	28.2098	15.9544	-0.822242	28.2108	15.9554	-0.8222028	0.00318982	No
						Rfk	11.0449	75.2595	2.7685	11.0459	75.2605	2.7683819	0.00014629	No
						Rfng	11.3955	22.3355	0.970874	11.3965	22.3365	0.97081232	0.00014629	No
						Rftn1	27.5334	2.59005	-3.41013	27.5344	2.59105	-3.4096264	0.00014629	No
						Rfx1	73.6407	17.6674	-2.05941	73.6417	17.6684	-2.0593515	0.00014629	No
						Rfx7	27.1046	3.06751	-3.1434	27.1056	3.06851	-3.1429808	0.00014629	No
						Rfx8	0	1.88763	inf	0.001	1.88863	10.8831244	0.00014629	No
						Rfxank	11.9802	23.7493	0.98723	11.9812	23.7503	0.98717333	0.015456	No
						Rfxap	36.1151	13.546	-1.41473	36.1161	13.547	-1.4146687	0.00014629	No
						Rgcc	97.6664	9.70135	-3.3316	97.6674	9.70235	-3.331471	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1302996	30.1699	96.5636	1.67837	30.1709	96.5646	1.67833667	0.00014629	No
						RGD1303003	81.443	212.45	1.38326	81.444	212.451	1.38324981	0.00014629	No
						RGD1303130	23.5295	59.5142	1.33876	23.5305	59.5152	1.3387262	0.00014629	No
						RGD1303271	0	6.18605	inf	0.001	6.18705	12.595036	0.0487067	No
						RGD1304567	17.3984	45.1011	1.37421	17.3994	45.1021	1.37415705	0.00014629	No
						RGD1304595	14.1009	3.74502	-1.91274	14.1019	3.74602	-1.912459	0.00014629	No
						RGD1304622	0.79569	36.3745	5.51457	0.79669	36.3755	5.5128048	0.00014629	No
						RGD1304624	1.89048	7.91001	2.06492	1.89148	7.91101	2.06434637	0.0175479	No
						RGD1304694	4.80548	26.568	2.46694	4.80648	26.569	2.46669129	0.00014629	No
						RGD1304704	121.507	234.597	0.949144	121.508	234.598	0.94913941	0.00014629	No
						RGD1304770	0.239706	25.3265	6.72324	0.240706	25.3275	6.71728877	0.00014629	No
						RGD1304884	0.455128	2.44842	2.42751	0.456128	2.44942	2.42492953	0.00028114	No
						RGD1304982	3.68287	50.3203	3.77224	3.68387	50.3213	3.77187514	0.00014629	No
						RGD1305045	36.4113	52.8975	0.538812	36.4123	52.8985	0.53880094	0.0393001	No
						RGD1305235	7.23104	3.99413	-0.856322	7.23204	3.99513	-0.8561602	0.00533979	No
						RGD1305350	22.5451	16.4104	-0.458201	22.5461	16.4114	-0.4581796	0.0394714	No
						RGD1305422	5.99601	15.4977	1.36998	5.99701	15.4987	1.36983193	0.00014629	No
						RGD1305464	2.74397	1.12989	-1.28008	2.74497	1.13089	-1.2793318	0.00252712	No
						RGD1305508	24.1142	10.0492	-1.2628	24.1152	10.0502	-1.2627186	0.00028114	No
						RGD1305587	23.4966	45.0247	0.938262	23.4976	45.0257	0.9382353	0.00014629	No
						RGD1305645	0	32.5957	inf	0.001	32.5967	14.9924383	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1305743	21.5949	7.18937	-1.58675	21.5959	7.19037	-1.5866195	0.00014629	No
						RGD1305834	4.41368	0.438872	-3.33011	4.41468	0.439872	-3.3271532	0.00014629	No
						RGD1306058	25.8094	52.4826	1.02394	25.8104	52.4836	1.02391418	0.00014629	No
						RGD1306151	0.582442	6.0668	3.38075	0.583442	6.0678	3.37851238	0.00014629	No
						RGD1306215	22.3871	43.7298	0.965946	22.3881	43.7308	0.96591764	0.00028114	No
						RGD1306271	0.0536479	1.20249	4.48636	0.0546479	1.20349	4.46091429	0.00843988	No
						RGD1306353	27.9631	8.80744	-1.66673	27.9641	8.80844	-1.6666175	0.00014629	No
						RGD1306556	0.136785	5.73704	5.39032	0.137785	5.73804	5.38006728	0.00014629	No
						RGD1306739	8.34386	28.2579	1.75987	8.34486	28.2589	1.75974556	0.00041099	No
						RGD1306772	3.23648	7.9848	1.30283	3.23748	7.9858	1.30256566	0.00173187	No
						RGD1306820	9.74487	4.19545	-1.21582	9.74587	4.19645	-1.2156216	0.00014629	No
						RGD1306941	1.68608	2.86233	0.763517	1.68708	2.86333	0.76316556	0.0461776	No
						RGD1306954	25.7927	57.125	1.14716	25.7937	57.126	1.14712878	0.00014629	No
						RGD1307100	56.7421	25.4778	-1.15518	56.7431	25.4788	-1.1551476	0.00263402	No
						RGD1307235	43.2574	11.7915	-1.8752	43.2584	11.7925	-1.8751107	0.00014629	No
						RGD1307262	14.7679	56.6859	1.94053	14.7689	56.6869	1.940453	0.00014629	No
						RGD1307315	0.506698	10.9903	4.43896	0.507698	10.9913	4.43624764	0.00014629	No
						RGD1307325	6.19585	3.74772	-0.72529	6.19685	3.74872	-0.725137	0.00751085	No
						RGD1307365	7.35525	3.41587	-1.10652	7.35625	3.41687	-1.1062952	0.00090728	No
						RGD1307461	0.486956	2.12295	2.12421	0.487956	2.12395	2.12192684	0.00066215	No
						RGD1307526	82.463	51.8207	-0.670219	82.464	51.8217	-0.6702081	0.00679736	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1307554	7.32447	3.08907	-1.24555	7.32547	3.09007	-1.2452818	0.00126596	No
						RGD1307752	95.5906	145.381	0.604895	95.5916	145.382	0.6048929	0.0225745	No
						RGD1307929	30.8049	20.5374	-0.584907	30.8059	20.5384	-0.5848829	0.00833592	No
						RGD1307947	7.43089	3.25555	-1.19063	7.43189	3.25655	-1.1903848	0.0291608	No
						RGD1308005	5.59032	2.07913	-1.42695	5.59132	2.08013	-1.4265152	0.00014629	No
						RGD1308106	13.437	6.20565	-1.11455	13.438	6.20665	-1.1144317	0.00812679	No
						RGD1308114	0.0586921	52.3516	9.80085	0.0596921	52.3526	9.77650546	0.0233164	No
						RGD1308234	166.396	43.9897	-1.91938	166.397	43.9907	-1.919359	0.00014629	No
						RGD1308297	35.5745	16.4054	-1.11667	35.5755	16.4064	-1.1166253	0.00014629	No
						RGD1308428	6.89964	3.44981	-1	6.90064	3.45081	-0.9997951	0.00028114	No
						RGD1308601	10.5632	5.07769	-1.0568	10.5642	5.07869	-1.0566552	0.00014629	No
						RGD1308706	12.9831	23.7919	0.873832	12.9841	23.7929	0.87378511	0.00053701	No
						RGD1308923	15.0927	40.2901	1.41658	15.0937	40.2911	1.41651469	0.00138312	No
						RGD1309079	4.79392	8.18284	0.771394	4.79492	8.18384	0.77127119	0.00241835	No
						RGD1309104	36.981	3.40668	-3.44035	36.982	3.40768	-3.4399615	0.00014629	No
						RGD1309313	7.94938	13.3506	0.747989	7.95038	13.3516	0.74791692	0.00618538	No
						RGD1309374	18.3322	51.35	1.48599	18.3332	51.351	1.48593375	0.0129486	No
						RGD1309534	1.42557	145.611	6.67444	1.42657	145.612	6.6734349	0.00014629	No
						RGD1309594	2.65148	19.9814	2.91379	2.65248	19.9824	2.91331609	0.00014629	No
						RGD1309621	37.146	12.5502	-1.5655	37.147	12.5512	-1.5654204	0.00126596	No
						RGD1309747	18.6645	4.99535	-1.90164	18.6655	4.99635	-1.9014277	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1309762	11.3236	4.80227	-1.23754	11.3246	4.80327	-1.2373713	0.0156475	No
						RGD1309808	331.591	9.19953	-5.1717	331.592	9.20053	-5.1715484	0.00014629	No
						RGD1309821	0.0604529	2.87464	5.57143	0.0614529	2.87564	5.54825817	0.00014629	No
						RGD1309903	0	1.17046	inf	0.001	1.17146	10.194092	0.00014629	No
						RGD1309995	53.5303	13.8096	-1.95468	53.5313	13.8106	-1.9546067	0.00014629	No
						RGD1310016	5.11674	2.54203	-1.00924	5.11774	2.54303	-1.0089584	0.0417203	No
						RGD1310081	1.17673	5.27021	2.16308	1.17773	5.27121	2.16212534	0.00014629	No
						RGD1310127	18.8393	291.295	3.95066	18.8403	291.296	3.95059205	0.00014629	No
						RGD1310352	15.8083	37.918	1.2622	15.8093	37.919	1.26214743	0.00014629	No
						RGD1310429	4.15833	2.593	-0.681383	4.15933	2.594	-0.6811727	0.0363282	No
						RGD1310553	7.87912	3.76925	-1.06376	7.88012	3.77025	-1.0635574	0.00014629	No
						RGD1310592	24.6835	13.5411	-0.866197	24.6845	13.5421	-0.8661539	0.00438237	No
						RGD1310727	26.4858	13.4421	-0.97846	26.4868	13.4431	-0.9784077	0.00014629	No
						RGD1310852	6.09348	2.59041	-1.23409	6.09448	2.59141	-1.2337658	0.0106553	No
						RGD1311084	0	15.2742	inf	0.001	15.2752	13.8989036	0.00014629	No
						RGD1311345	11.4185	70.4179	2.62457	11.4195	70.4189	2.62446321	0.00014629	No
						RGD1311458	22.9056	7.12664	-1.68441	22.9066	7.12764	-1.684267	0.00014629	No
						RGD1311517	8.77348	2.08607	-2.07236	8.77448	2.08707	-2.0718346	0.00014629	No
						RGD1311564	1.48359	4.17021	1.49102	1.48459	4.17121	1.49040139	0.00126596	No
						RGD1311648	14.7337	22.9727	0.640796	14.7347	22.9737	0.64076554	0.00544794	No
						RGD1311703	71.6585	48.4783	-0.563798	71.6595	48.4793	-0.5637891	0.00374149	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1311756	0.220167	18.2909	6.37638	0.221167	18.2919	6.36992499	0.00014629	No
						RGD1311805	23.9994	10.6619	-1.17053	24.0004	10.6629	-1.1704586	0.00014629	No
						RGD1311847	11.1159	25.5382	1.20003	11.1169	25.5392	1.19995879	0.0178218	No
						RGD1311899	47.0034	87.8982	0.903067	47.0044	87.8992	0.90305422	0.00014629	No
						RGD1312026	4.29877	1.29628	-1.72955	4.29977	1.29728	-1.7287696	0.00014629	No
						RGD1359108	7.03544	3.08356	-1.19004	7.03644	3.08456	-1.189781	0.00014629	No
						RGD1359127	10.9912	25.3848	1.20761	10.9922	25.3858	1.20754157	0.00014629	No
						RGD1359158	37.3008	15.8206	-1.2374	37.3018	15.8216	-1.2373497	0.00014629	No
						RGD1359529	455.784	243.577	-0.903971	455.785	243.578	-0.9039696	0.00053701	No
						RGD1359634	2.39898	11.8417	2.30339	2.39998	11.8427	2.30290375	0.0077167	No
						RGD1559441	7.30179	2.26561	-1.68835	7.30279	2.26661	-1.6879116	0.00649695	No
						RGD1559442	0.458704	7.01098	3.93398	0.459704	7.01198	3.93104476	0.00014629	No
						RGD1559600	0	4.73076	inf	0.001	4.73176	12.2081612	0.00014629	No
						RGD1559672	0.536466	2.67006	2.31531	0.537466	2.67106	2.31316699	0.0399122	No
						RGD1559786	8.53914	30.1703	1.82097	8.54014	30.1713	1.82084523	0.00014629	No
						RGD1559841	2.62953	10.1704	1.9515	2.63053	10.1714	1.95109286	0.00014629	No
						RGD1559891	0	3.91704	inf	0.001	3.91804	11.9359164	0.00014629	No
						RGD1559896	5.52147	27.6181	2.32249	5.52247	27.6191	2.32228073	0.00014629	No
						RGD1559899	0	10.987	inf	0.001	10.988	13.4236412	0.00014629	No
						RGD1559904	9.94294	3.78248	-1.39434	9.94394	3.78348	-1.3941038	0.00014629	No
						RGD1559909	15.3476	41.678	1.44127	15.3486	41.679	1.4412136	0.0085437	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1559971	1.72274	0.729047	-1.24062	1.72374	0.730047	-1.2394809	0.00740907	No
						RGD1560010	2.93404	1.18687	-1.30573	2.93504	1.18787	-1.3050032	0.0177285	No
						RGD1560175	4.45435	1.58935	-1.48678	4.45535	1.59035	-1.4861945	0.00014629	No
						RGD1560220	50.7983	113.744	1.16293	50.7993	113.745	1.16292261	0.00782085	No
						RGD1560289	1.479	0	-inf	1.48	0.001	-10.531381	0.00014629	No
						RGD1560398	6.03251	11.5859	0.941533	6.03351	11.5869	0.94142519	0.0459183	No
						RGD1560648	184.173	497.875	1.43472	184.174	497.876	1.43471706	0.00014629	No
						RGD1560687	2.5407	21.1523	3.05751	2.5417	21.1533	3.05701708	0.00014629	No
						RGD1560718	0	0.913813	inf	0.001	0.914813	9.83733306	0.00014629	No
						RGD1560813	86.2596	55.2094	-0.643771	86.2606	55.2104	-0.6437617	0.0174574	No
						RGD1560833	2.18127	0.520237	-2.06793	2.18227	0.521237	-2.0658182	0.00761239	No
						RGD1560849	34.6902	0.607812	-5.83476	34.6912	0.608812	-5.8324291	0.011151	No
						RGD1560880	0.280631	9.01141	5.00501	0.281631	9.01241	5.0000349	0.00720409	No
						RGD1560888	18.103	10.1739	-0.831357	18.104	10.1749	-0.8312939	0.00053701	No
						RGD1561113	9.96929	56.4557	2.50156	9.97029	56.4567	2.50143743	0.00944816	No
						RGD1561145	39.3302	2.67641	-3.87726	39.3312	2.67741	-3.8767642	0.00014629	No
						RGD1561157	12.7313	4.71849	-1.43198	12.7323	4.71949	-1.4317902	0.00014629	No
						RGD1561328	29.4055	58.5097	0.992587	29.4065	58.5107	0.9925654	0.00014629	No
						RGD1561333	13.5848	4.11907	-1.72161	13.5858	4.12007	-1.7213588	0.00252712	No
						RGD1561444	0.192876	1.61172	3.06286	0.193876	1.61272	3.05628985	0.0437514	No
						RGD1561589	29.1229	52.9294	0.861916	29.1239	52.9304	0.861893	0.00028114	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1561662	0.0207215	6.46545	8.28548	0.0217215	6.46645	8.21770636	0.00740907	No
						RGD1561796	0.49196	7.41109	3.91307	0.49296	7.41209	3.91033791	0.00618538	No
						RGD1561909	0.580107	2.65794	2.19592	0.581107	2.65894	2.19397548	0.00053701	No
						RGD1561963	87.9686	8.173	-3.42805	87.9696	8.174	-3.4278909	0.00014629	No
						RGD1562037	2.8093	7.35283	1.38809	2.8103	7.35383	1.38777168	0.00014629	No
						RGD1562084	0	27.2491	inf	0.001	27.2501	14.7339739	0.00014629	No
						RGD1562107	0	1.72378	inf	0.001	1.72478	10.7521966	0.00014629	No
						RGD1562136	13.1283	20.7119	0.657775	13.1293	20.7129	0.65773956	0.00307875	No
						RGD1562161	2.47548	0.687931	-1.84737	2.47648	0.688931	-1.8458596	0.00274649	No
						RGD1562178	25.8944	113.286	2.12926	25.8954	113.287	2.12921457	0.00014629	No
						RGD1562200	6.85009	20.126	1.55486	6.85109	20.127	1.55472671	0.00014629	No
						RGD1562259	0.935834	0	-inf	0.936834	0.001	-9.8716496	0.00384649	No
						RGD1562378	3.75741	26.6998	2.82902	3.75841	26.7008	2.82868861	0.0147863	No
						RGD1562390	159.067	60.2032	-1.40173	159.068	60.2042	-1.4017076	0.0220286	No
						RGD1562409	4.09295	1.41857	-1.5287	4.09395	1.41957	-1.5280395	0.0365085	No
						RGD1562469	6410.45	1533.39	-2.0637	6410.451	1533.391	-2.0637002	0.00014629	No
						RGD1562484	4.37462	10.4691	1.2589	4.37562	10.4701	1.25871586	0.0421247	No
						RGD1562618	0	18.15	inf	0.001	18.151	14.1477614	0.00014629	No
						RGD1562987	50.441	98.3274	0.962996	50.442	98.3284	0.96298269	0.00014629	No
						RGD1563056	0.651719	5.56025	3.09283	0.652719	5.56125	3.09087525	0.0208247	No
						RGD1563084	2.25759	9.82806	2.12213	2.25859	9.82906	2.12163105	0.00864487	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1563150	0	0.866001	inf	0.001	0.867001	9.75988985	0.00014629	No
						RGD1563231	2.57712	0	-inf	2.57812	0.001	-11.332104	0.00014629	No
						RGD1563319	0.124843	3.99731	5.00084	0.125843	3.99831	4.98969346	0.00555587	No
						RGD1563325	8.7547	2.68602	-1.70459	8.7557	2.68702	-1.7042155	0.0089386	No
						RGD1563441	0.553215	1.70704	1.62559	0.554215	1.70804	1.6238241	0.0301422	No
						RGD1563547	0.175194	235.069	10.3899	0.176194	235.07	10.3817099	0.0214664	No
						RGD1563888	57.831	2.72917	-4.40531	57.832	2.73017	-4.4048053	0.00014629	No
						RGD1563941	6.79607	97.7979	3.84703	6.79707	97.7989	3.84683335	0.00014629	No
						RGD1564074	0	2.1058	inf	0.001	2.1068	11.0408376	0.00014629	No
						RGD1564093	242.832	169.059	-0.522437	242.833	169.06	-0.5224291	0.0160279	No
						RGD1564171	40.4194	77.4985	0.93912	40.4204	77.4995	0.9391034	0.00028114	No
						RGD1564184	2.84148	0	-inf	2.84248	0.001	-11.472934	0.00041099	No
						RGD1564212	2.77249	0	-inf	2.77349	0.001	-11.437487	0.00028114	No
						RGD1564300	33.0194	47.7216	0.53133	33.0204	47.7226	0.53131505	0.0263268	No
						RGD1564379	8.02023	31.0176	1.95137	8.02123	31.0186	1.95123819	0.00014629	No
						RGD1564420	10.4619	34.4232	1.71823	10.4629	34.4242	1.71814035	0.00114835	No
						RGD1564548	9.43072	3.45851	-1.44722	9.43172	3.45951	-1.4469532	0.00041099	No
						RGD1564804	4.7828	13.8844	1.53754	4.7838	13.8854	1.53733976	0.00014629	No
						RGD1564865	0	202.027	inf	0.001	202.028	17.6241957	0.00014629	No
						RGD1565059	1.92065	4.4396	1.20883	1.92165	4.4406	1.20840903	0.0118533	No
						RGD1565168	0	57.9195	inf	0.001	57.9205	15.8217864	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1565183	5162.13	1882.73	-1.45514	5162.131	1882.731	-1.4551399	0.00014629	No
						RGD1565252	2.68555	0	-inf	2.68655	0.001	-11.391539	0.00014629	No
						RGD1565363	285.151	575.171	1.01226	285.152	575.172	1.01226229	0.00014629	No
						RGD1565498	4.98369	2.11239	-1.23834	4.98469	2.11339	-1.2379448	0.00028114	No
						RGD1565616	18.2716	62.9068	1.78361	18.2726	62.9078	1.78355698	0.00126596	No
						RGD1565647	4.32693	1.13059	-1.93627	4.32793	1.13159	-1.9353258	0.00014629	No
						RGD1565660	0	3.59465	inf	0.001	3.59565	11.8120369	0.00014629	No
						RGD1565775	46.9496	17.4671	-1.42648	46.9506	17.4681	-1.4264209	0.00014629	No
						RGD1566099	5.54504	11.2664	1.02276	5.54604	11.2674	1.02262472	0.020066	No
						RGD1566243	20.6063	1.82091	-3.50035	20.6073	1.82191	-3.4996319	0.00014629	No
						RGD1566265	7.65242	2.85649	-1.42167	7.65342	2.85749	-1.4213561	0.00041099	No
						RGD1566314	3.14716	7.83116	1.31517	3.14816	7.83216	1.31490137	0.00318982	No
						RGD1566320	19.6357	35.4516	0.852371	19.6367	35.4526	0.85233893	0.00597292	No
						RGD1566344	586.879	167.719	-1.80702	586.88	167.72	-1.8070108	0.00014629	No
						RGD1566368	0.083685	35.9268	8.74588	0.084685	35.9278	8.72877843	0.00028114	No
						RGD621098	14.7112	30.6014	1.05668	14.7122	30.6024	1.0566318	0.00028114	No
						Rgl2	97.8856	62.6654	-0.643428	97.8866	62.6664	-0.6434193	0.0178218	No
						Rgmb	0.391228	5.39317	3.78505	0.392228	5.39417	3.78163656	0.00219102	No
						Rgs1	61.8007	16.8537	-1.87456	61.8017	16.8547	-1.8744956	0.00014629	No
						Rgs10	224.697	10.8819	-4.36798	224.698	10.8829	-4.3678523	0.00014629	No
						Rgs11	0.0919311	7.43464	6.33757	0.0929311	7.43564	6.32215163	0.00014629	No
						Rgs14	41.7361	4.9218	-3.08404	41.7371	4.9228	-3.0837793	0.00014629	No
						Rgs19	40.8503	6.5005	-2.65172	40.8513	6.5015	-2.6515375	0.00014629	No
						RGS6	0.0519716	2.86934	5.78685	0.0529716	2.87034	5.75985874	0.0380901	No
						Rgs7	0	1.43411	inf	0.001	1.43511	10.4869456	0.00014629	No
						Rgs9	1.05897	3.22841	1.60816	1.05997	3.22941	1.60724718	0.00884407	No
						Rhbdd2	7.68907	17.4279	1.18052	7.69007	17.4289	1.18041288	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RHBDD3	7.9264	15.3503	0.953526	7.9274	15.3513	0.95344115	0.00395247	No
						Rhbdf1	0.117302	28.5376	7.9265	0.118302	28.5386	7.91429629	0.00014629	No
						Rhbdl2	0	3.06555	inf	0.001	3.06655	11.5824008	0.00014629	No
						Rhbdl3	0.0190662	7.89323	8.69345	0.0200662	7.89423	8.61988731	0.0440926	No
						Rhbg	1.3648	15.1984	3.47716	1.3658	15.1994	3.47619623	0.00014629	No
						Rheb	61.4124	130.579	1.08832	61.4134	130.58	1.08830856	0.00078603	No
						Rhebl1	11.1908	2.91812	-1.93921	11.1918	2.91912	-1.9388367	0.00014629	No
						Rhoa	451.676	270.134	-0.741611	451.677	270.135	-0.7416109	0.00090728	No
						Rhob	44.6663	144.784	1.69665	44.6673	144.785	1.69662119	0.00014629	No
						Rhod	0	32.9439	inf	0.001	32.9449	15.0077675	0.00014629	No
						Rhof	103.559	30.3365	-1.77133	103.56	30.3375	-1.7712928	0.00014629	No
						Rhog	220.923	51.0433	-2.11375	220.924	51.0443	-2.1137284	0.00014629	No
						Rhoj	0	0.922276	inf	0.001	0.923276	9.85061817	0.00014629	No
						Rhoq	6.62576	15.1833	1.19632	6.62676	15.1843	1.19620483	0.00014629	No
						Rhot2	26.2305	66.5295	1.34275	26.2315	66.5305	1.34271557	0.00014629	No
						Rhov	0.216155	1.99567	3.20674	0.217155	1.99667	3.20079883	0.00812679	No
						Rhpn1	0.0368842	107.785	11.5129	0.0378842	107.786	11.4742859	0.0181078	No
						Rhpn2	0.0689532	4.16342	5.91601	0.0699532	4.16442	5.89558171	0.0440926	No
						Ribc1	1.17731	8.60144	2.86908	1.17831	8.60244	2.86802678	0.00014629	No
						Rictor	24.4711	2.24766	-3.44458	24.4721	2.24866	-3.4440005	0.00014629	No
						Rilp	0.292745	15.1713	5.69556	0.293745	15.1723	5.6907317	0.00014629	No
						Rilpl2	208.505	92.0978	-1.17884	208.506	92.0988	-1.1788346	0.00014629	No
						Rimbp2	0	57.5585	inf	0.001	57.5595	15.8127664	0.00014629	No
						Rims2	0.0413005	0.986343	4.57786	0.0423005	0.987343	4.54480474	0.026232	No
						Rin2	0.113199	34.5239	8.25259	0.114199	34.5249	8.23994341	0.00014629	No
						Rin3	29.0571	12.587	-1.20695	29.0581	12.588	-1.2068913	0.00014629	No
						Ring1	31.7938	56.7972	0.837074	31.7948	56.7982	0.83705438	0.00041099	No
						Rinl	27.9992	4.7237	-2.5674	28.0002	4.7247	-2.5671425	0.00014629	No
						Rint1	9.37355	5.82095	-0.68734	9.37455	5.82195	-0.687247	0.0182953	No
						Riok1	26.7808	11.099	-1.27076	26.7818	11.1	-1.2706933	0.00014629	No
						Ripk1	19.8345	11.0674	-0.841699	19.8355	11.0684	-0.8416381	0.00041099	No
						Ripk2	14.7399	5.45432	-1.43426	14.7409	5.45532	-1.4340889	0.00014629	No
						Ripk3	30.5035	9.96343	-1.61426	30.5045	9.96443	-1.6141629	0.00448672	No
						Rlf	27.3489	6.81814	-2.00403	27.3499	6.81914	-2.0038738	0.0307655	No
						Rmdn1	3.53461	42.7027	3.5947	3.53561	42.7037	3.59433003	0.00014629	No
						Rmdn2	0.568208	3.21595	2.50075	0.569208	3.21695	2.49866567	0.00669647	No
						Rmi1	26.4454	44.9483	0.765249	26.4464	44.9493	0.7652273	0.0089386	No
						Rmnd5a	56.3546	17.959	-1.64983	56.3556	17.96	-1.6497716	0.00014629	No
						Rnase6	1.98014	0.315983	-2.64768	1.98114	0.316983	-2.6438535	0.0172634	No
						Rnaseh1	20.2178	11.7162	-0.787126	20.2188	11.7172	-0.7870695	0.00710369	No
						Rnaseh2a	22.2212	44.7005	1.00836	22.2222	44.7015	1.00832159	0.0373152	No
						Rnasek	86.7155	255.477	1.55883	86.7165	255.478	1.55882063	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rnf103	7.01867	12.1591	0.79276	7.01967	12.1601	0.79267998	0.00161718	No
						Rnf111	31.0785	8.3155	-1.90204	31.0795	8.3165	-1.9019149	0.00014629	No
						Rnf113a1	7.11969	2.47385	-1.52505	7.12069	2.47485	-1.524676	0.0235969	No
						Rnf114	29.7923	21.3872	-0.47819	29.7933	21.3882	-0.4781729	0.0293375	No
						Rnf115	54.6833	22.115	-1.30607	54.6843	22.116	-1.3060362	0.00014629	No
						Rnf111	1.62249	4.60477	1.50492	1.62349	4.60577	1.50434387	0.0212829	No
						Rnf121	14.1391	5.81758	-1.2812	14.1401	5.81858	-1.2810533	0.00138312	No
						RNF125	28.717	1.69647	-4.0813	28.718	1.69747	-4.0804973	0.00014629	No
						Rnf13	50.0656	23.9286	-1.06508	50.0666	23.9296	-1.0650522	0.00014629	No
						Rnf135	9.99722	4.18485	-1.25635	9.99822	4.18585	-1.2561507	0.0219354	No
						Rnf138	23.3776	5.14235	-2.18463	23.3786	5.14335	-2.1844083	0.00014629	No
						Rnf14	91.1824	33.8054	-1.4315	91.1834	33.8064	-1.4314748	0.00014629	No
						Rnf144a	3.24734	0.729789	-2.15371	3.24834	0.730789	-2.1521758	0.00720409	No
						Rnf145	98.9001	12.475	-2.98694	98.9011	12.476	-2.9868311	0.00014629	No
						Rnf146	49.406	16.812	-1.5552	49.407	16.813	-1.5551383	0.00014629	No
						Rnf149	41.8336	14.2085	-1.55791	41.8346	14.2095	-1.5578409	0.00014629	No
						Rnf150	0.161263	1.81936	3.49594	0.162263	1.82036	3.48781782	0.00884407	No
						Rnf157	28.9711	2.78546	-3.37863	28.9721	2.78646	-3.3781589	0.00014629	No
						Rnf167	109.222	67.6784	-0.690491	109.223	67.6794	-0.690488	0.00126596	No
						Rnf168	10.3874	6.7823	-0.614986	10.3884	6.7833	-0.6149143	0.0178218	No
						Rnf169	5.06494	0.658573	-2.94313	5.06594	0.659573	-2.9412257	0.00053701	No
						Rnf180	0	1.54494	inf	0.001	1.54594	10.5942686	0.00014629	No
						Rnf183	0	102.267	inf	0.001	102.268	16.6419953	0.00014629	No
						Rnf185	5.07272	21.1076	2.05693	5.07372	21.1086	2.05671509	0.00014629	No
						Rnf187	65.6213	102.565	0.644302	65.6223	102.566	0.6442945	0.00028114	No
						Rnf19a	11.5355	21.0193	0.865636	11.5365	21.0203	0.86557766	0.00608077	No
						Rnf19b	37.9328	15.4709	-1.29389	37.9338	15.4719	-1.2938335	0.00014629	No
						Rnf2	31.9613	8.10418	-1.97959	31.9623	8.10518	-1.9794551	0.00014629	No
						Rnf20	23.0655	8.82397	-1.38624	23.0665	8.82497	-1.3861358	0.00014629	No
						Rnf208	1.39915	39.8108	4.83054	1.40015	39.8118	4.8295428	0.00014629	No
						Rnf213	52.1625	9.71874	-2.42417	52.1635	9.71974	-2.424051	0.00014629	No
						Rnf215	6.80984	23.1656	1.76629	6.81084	23.1666	1.76614168	0.00014629	No
						Rnf217	4.11949	12.7899	1.63447	4.12049	12.7909	1.63422996	0.00014629	No
						Rnf219	5.66758	0.834536	-2.76369	5.66858	0.835536	-2.7622135	0.00014629	No
						Rnf220	99.6228	29.9796	-1.7325	99.6238	29.9806	-1.7324612	0.00014629	No
						Rnf25	16.1648	34.254	1.08342	16.1658	34.255	1.08336968	0.00014629	No
						Rnf38	30.1968	6.28075	-2.26539	30.1978	6.28175	-2.265205	0.00014629	No
						Rnf4	47.5318	26.7192	-0.831016	47.5328	26.7202	-0.8309926	0.0279702	No
						Rnf41	6.70936	10.8953	0.699462	6.71036	10.8963	0.69937626	0.0431512	No
						Rnf43	2.21249	4.32513	0.967075	2.21349	4.32613	0.96675416	0.00555587	No
						Rnf44	89.7403	19.9383	-2.17021	89.7413	19.9393	-2.1701573	0.00014629	No
						Rnf5	29.6645	141.797	2.25701	29.6655	141.798	2.25697918	0.00448672	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rnft1	22.0404	5.80265	-1.92536	22.0414	5.80365	-1.9251834	0.0174574	No
						Rngtt	11.0364	5.40588	-1.02966	11.0374	5.40688	-1.0295321	0.00014629	No
						Rnls	4.47811	8.02097	0.840886	4.47911	8.02197	0.84074447	0.0311089	No
						RNMT	24.4475	6.05646	-2.01314	24.4485	6.05746	-2.0129611	0.00014629	No
						Rnmtl1	3.52494	6.37883	0.855693	3.52594	6.37983	0.85551006	0.0292517	No
						Rnpc3	26.2027	8.56472	-1.61324	26.2037	8.56572	-1.6131241	0.00053701	No
						Rnpep	7.6096	41.5788	2.44996	7.6106	41.5798	2.44980072	0.00014629	No
						Rnps1	139.185	63.8532	-1.12418	139.186	63.8542	-1.1241607	0.00014629	No
						Robo3	0	9.2687	inf	0.001	9.2697	13.1783069	0.00014629	No
						Rock1	37.2916	6.48185	-2.52437	37.2926	6.48285	-2.5241893	0.00014629	No
						Rock2	8.96899	5.13862	-0.803564	8.96999	5.13962	-0.8034447	0.00014629	No
						Romo1	134.397	351.629	1.38755	134.398	351.63	1.38754649	0.00014629	No
						Ror1	0	1.97289	inf	0.001	1.97389	10.9468259	0.00014629	No
						Rora	2.26889	4.89159	1.10832	2.26989	4.89259	1.107976	0.00374149	No
						RORC	2.01226	24.7493	3.6205	2.01326	24.7503	3.61984061	0.00014629	No
						Rp2	7.54823	2.70123	-1.48252	7.54923	2.70223	-1.482179	0.00014629	No
						Rpa1	109.124	48.4345	-1.17185	109.125	48.4355	-1.1718449	0.0422161	No
						Rpa2	47.8208	14.4902	-1.72256	47.8218	14.4912	-1.7224914	0.00014629	No
						Rpe	21.5488	8.86743	-1.28102	21.5498	8.86843	-1.2809239	0.00263402	No
						Rpf2	31.3315	16.1987	-0.951732	31.3325	16.1997	-0.9516928	0.00028114	No
						Rpl10	2766.16	690.63	-2.0019	2766.161	690.631	-2.0018981	0.00014629	No
						Rpl10a	1881.85	526.867	-1.83664	1881.851	526.868	-1.8366389	0.00014629	No
						Rpl11	4121.89	886.966	-2.21636	4121.891	886.967	-2.216354	0.00014629	No
						RPL12	3094.31	549.972	-2.49219	3094.311	549.973	-2.4921855	0.00014629	No
						Rpl13a	5584.61	1981.65	-1.49476	5584.611	1981.651	-1.4947539	0.00491494	No
						Rpl14	2984.57	972.986	-1.61703	2984.571	972.987	-1.6170311	0.00014629	No
						Rpl15	2905.69	461.94	-2.6531	2905.691	461.941	-2.6531008	0.00014629	No
						Rpl17	5098.1	1114.4	-2.19369	5098.101	1114.401	-2.1936915	0.00014629	No
						Rpl18	2362.64	944.656	-1.32254	2362.641	944.657	-1.3225379	0.00014629	No
						Rpl18a	5936.14	1390.78	-2.09363	5936.141	1390.781	-2.0936301	0.00014629	No
						Rpl19	5483.04	1648.51	-1.73381	5483.041	1648.511	-1.7338127	0.00014629	No
						Rpl21	799.479	156.459	-2.35328	799.48	156.46	-2.3532681	0.00014629	No
						Rpl22	1529.55	394.786	-1.95397	1529.551	394.787	-1.9539618	0.00014629	No
						Rpl22l1	389.596	170.113	-1.19548	389.597	170.114	-1.1954807	0.00014629	No
						Rpl23	6217.66	996.055	-2.64208	6217.661	996.056	-2.6420732	0.00014629	No
						Rpl23a	4903.34	1004.46	-2.28735	4903.341	1004.461	-2.2873435	0.00014629	No
						Rpl24	4609.47	1015.75	-2.18206	4609.471	1015.751	-2.1820544	0.00014629	No
						RPL26	7598.27	1671	-2.18496	7598.271	1671.001	-2.1849586	0.00014629	No
						Rpl27	3518.8	1137.27	-1.6295	3518.801	1137.271	-1.6295079	0.00014629	No
						Rpl27a	2627.18	569.001	-2.20701	2627.181	569.002	-2.20701	0.00014629	No
						Rpl29	2943.67	1071.4	-1.45812	2943.671	1071.401	-1.4581179	0.00014629	No
						Rpl3	2451.69	644.213	-1.92817	2451.691	644.214	-1.9281652	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rpl30	6452.23	1112.29	-2.53626	6452.231	1112.291	-2.5362638	0.00014629	No
						Rpl31	3015.57	401.982	-2.90723	3015.571	401.983	-2.9072248	0.00014629	No
						Rpl32	6759.78	1574.4	-2.10218	6759.781	1574.401	-2.1021735	0.00014629	No
						Rpl32-ps1	15.3367	3.50962	-2.1276	15.3377	3.51062	-2.1272844	0.00710369	No
						Rpl34	4336.73	1194.12	-1.86066	4336.731	1194.121	-1.8606589	0.00014629	No
						Rpl35	9489.87	3111.61	-1.60873	9489.871	3111.611	-1.6087268	0.00014629	No
						Rpl35a	1528.41	179.963	-3.08626	1528.411	179.964	-3.0862523	0.00014629	No
						Rpl36	3365.26	1395.37	-1.27007	3365.261	1395.371	-1.2700696	0.00014629	No
						Rpl36a	2771.33	383.502	-2.85327	2771.331	383.503	-2.8532693	0.00014629	No
						Rpl36al	1011.28	598.547	-0.756639	1011.281	598.548	-0.7566451	0.00028114	No
						Rpl36-ps3	45.6233	5.81075	-2.97298	45.6243	5.81175	-2.9727579	0.00066215	No
						Rpl37	4538.32	1163.72	-1.96342	4538.321	1163.721	-1.9634134	0.00014629	No
						RPL37A	5705.52	1156.07	-2.30313	5705.521	1156.071	-2.3031286	0.00014629	No
						Rpl38	5522.86	2928.66	-0.915174	5522.861	2928.661	-0.9151746	0.00014629	No
						Rpl39	6734.57	1385.9	-2.28077	6734.571	1385.901	-2.2807618	0.00014629	No
						Rpl4	2923.01	603.859	-2.27517	2923.011	603.86	-2.2751692	0.00014629	No
						Rpl41	15490.6	7322.15	-1.08106	15490.601	7322.151	-1.0810537	0.00028114	No
						Rpl5	4689.67	829.298	-2.49952	4689.671	829.299	-2.4995225	0.00014629	No
						Rpl7	4526.44	993.113	-2.18835	4526.441	993.114	-2.1883459	0.00014629	No
						Rpl7l1	65.3094	29.7187	-1.13592	65.3104	29.7197	-1.1358932	0.00730705	No
						Rpl8	375.229	102.628	-1.87035	375.23	102.629	-1.8703367	0.00014629	No
						Rpl9	4453.53	1012.65	-2.13682	4453.531	1012.651	-2.1368126	0.00014629	No
						Rplp1	2152.09	644.059	-1.74048	2152.091	644.06	-1.7404721	0.00014629	No
						Rpp21	120.857	52.8609	-1.19303	120.858	52.8619	-1.1930128	0.00659461	No
						Rpp38	2.06042	8.39522	2.02663	2.06142	8.39622	2.0261015	0.00102864	No
						Rpp40	33.2851	11.4434	-1.54036	33.2861	11.4444	-1.540278	0.00014629	No
						Rprd1a	13.9289	4.96748	-1.4875	13.9299	4.96848	-1.4873084	0.00102864	No
						Rprd1b	5.60247	9.81789	0.809349	5.60347	9.81889	0.80923943	0.00184429	No
						Rprd2	21.8765	2.36985	-3.20651	21.8775	2.37085	-3.2059716	0.00014629	No
						Rps10l1	341.958	72.5007	-2.23775	341.959	72.5017	-2.2377366	0.00014629	No
						Rps11	7815.3	1074.47	-2.86267	7815.301	1074.471	-2.8626749	0.00014629	No
						Rps12	5594.77	1432.71	-1.96533	5594.771	1432.711	-1.9653315	0.00014629	No
						Rps13	4937.42	807.492	-2.61224	4937.421	807.493	-2.612236	0.00014629	No
						Rps14	3377.67	727.017	-2.21597	3377.671	727.018	-2.2159658	0.00014629	No
						Rps15	5258.04	1334	-1.97877	5258.041	1334.001	-1.9787656	0.00014629	No
						Rps15a	4934.7	951.682	-2.37441	4934.701	951.683	-2.3744097	0.00014629	No
						Rps15al4	56.3048	8.73407	-2.68853	56.3058	8.73507	-2.6883924	0.00014629	No
						Rps16	4476.27	944.071	-2.24533	4476.271	944.072	-2.2453286	0.00014629	No
						Rps18	7673.89	1835.41	-2.06385	7673.891	1835.411	-2.0638551	0.00014629	No
						Rps19bp1	59.8135	135.72	1.18209	59.8145	135.721	1.1820768	0.00014629	No
						Rps2	2766.87	851.003	-1.70102	2766.871	851.004	-1.7010176	0.00014629	No
						Rps20	3312.56	1121.35	-1.56271	3312.561	1121.351	-1.5627091	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rps21	4672.88	1142.78	-2.03176	4672.881	1142.781	-2.0317633	0.00014629	No
						Rps23	6251.19	1067.16	-2.55036	6251.191	1067.161	-2.5503532	0.00014629	No
						Rps24	8480.55	1625.31	-2.38344	8480.551	1625.311	-2.3834422	0.00014629	No
						Rps25	3827.42	728.815	-2.39275	3827.421	728.816	-2.3927461	0.00014629	No
						Rps26	5000.64	1223.62	-2.03096	5000.641	1223.621	-2.0309563	0.00014629	No
						Rps27	14806.9	2345.34	-2.6584	14806.901	2345.341	-2.6584001	0.00014629	No
						Rps27a	4590.78	909.075	-2.33627	4590.781	909.076	-2.3362668	0.00014629	No
						Rps27l	90.5162	208.217	1.20184	90.5172	208.218	1.20183093	0.00014629	No
						Rps27l3	181.137	36.1465	-2.32515	181.138	36.1475	-2.3251215	0.00014629	No
						Rps28	7339.53	2092.68	-1.81034	7339.531	2092.681	-1.8103355	0.00014629	No
						Rps3	4069.91	662.206	-2.61965	4069.911	662.207	-2.6196431	0.00014629	No
						Rps3a	4552.16	689.599	-2.72272	4552.161	689.6	-2.7227199	0.00014629	No
						Rps4x	579.095	128.508	-2.17194	579.096	128.509	-2.1719331	0.00014629	No
						RPS5	2894.67	762.041	-1.92546	2894.671	762.042	-1.925457	0.00014629	No
						RPS6	652.36	128.31	-2.34604	652.361	128.311	-2.3460257	0.00014629	No
						Rps6ka1	87.3711	51.606	-0.759617	87.3721	51.607	-0.7596059	0.00066215	No
						Rps6ka4	4.49967	14.0817	1.64593	4.50067	14.0827	1.64571227	0.00014629	No
						Rps6ka5	2.19015	0.572104	-1.93668	2.19115	0.573104	-1.9348194	0.00014629	No
						Rps6kb1	24.8932	12.6348	-0.978353	24.8942	12.6358	-0.9782926	0.0302247	No
						Rps6kl1	0.0478859	7.42595	7.27683	0.0488859	7.42695	7.24720764	0.00219102	No
						RPS7	568.599	115.154	-2.30384	568.6	115.155	-2.303837	0.00014629	No
						Rps8	3624.48	747.414	-2.27779	3624.481	747.415	-2.277793	0.00014629	No
						RPS9	626.107	213.516	-1.55207	626.108	213.517	-1.5520606	0.00014629	No
						Rpsa	3162.16	1538.98	-1.03893	3162.161	1538.981	-1.0389354	0.00028114	No
						Rptor	3.11485	5.0346	0.692717	3.11585	5.0356	0.69253791	0.00341151	No
						Rpusd3	7.30854	21.4158	1.55102	7.30954	21.4168	1.55089041	0.00028114	No
						Rqcd1	21.7156	7.89957	-1.45888	21.7166	7.90057	-1.4587696	0.00014629	No
						Rragc	23.1476	41.5407	0.843665	23.1486	41.5417	0.84363531	0.00014629	No
						Rragd	2.98346	18.8212	2.6573	2.98446	18.8222	2.65689344	0.00014629	No
						Rras2	76.03	34.0666	-1.15821	76.031	34.0676	-1.1581875	0.00014629	No
						Rrbp1	14.8777	41.0197	1.46317	14.8787	41.0207	1.46310363	0.00014629	No
						Rrn3	6.50159	2.49326	-1.38276	6.50259	2.49426	-1.3824026	0.00014629	No
						Rrp12	13.0497	4.16983	-1.64596	13.0507	4.17083	-1.6457208	0.00014629	No
						Rrp1b	9.01656	4.65122	-0.954969	9.01756	4.65222	-0.9548178	0.00014629	No
						Rrp8	4.11079	1.47408	-1.4796	4.11179	1.47508	-1.4789734	0.00374149	No
						Rrs1	15.0923	8.43117	-0.840008	15.0933	8.43217	-0.8399324	0.0142084	No
						Rsb1	22.549	2.7002	-3.06193	22.55	2.7012	-3.0614551	0.00014629	No
						Rsb1l	29.3522	4.7144	-2.63832	29.3532	4.7154	-2.6380657	0.00014629	No
						Rsf1	17.8101	5.17069	-1.78427	17.8111	5.17169	-1.7840689	0.00014629	No
						Rsl24d1	43.3624	24.6887	-0.812596	43.3634	24.6897	-0.8125686	0.00078603	No
						Rsph1	0.16635	7.01571	5.3983	0.16735	7.01671	5.38985428	0.0279702	No
						Rsph3	1.40593	4.10622	1.54629	1.40693	4.10722	1.54561168	0.0244119	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rspry1	13.644	8.60718	-0.664654	13.645	8.60818	-0.6645922	0.0223869	No
						Rsrc1	15.2269	6.59945	-1.2062	15.2279	6.60045	-1.2060807	0.00041099	No
						Rsrc2	65.2284	34.638	-0.913145	65.2294	34.639	-0.9131251	0.00014629	No
						Rsu1	35.9446	20.6396	-0.800358	35.9456	20.6406	-0.8003303	0.0319849	No
						RT1-A3	168.634	31.781	-2.40766	168.635	31.782	-2.4076222	0.00014629	No
						RT1-CE1	540.749	119.331	-2.17999	540.75	119.332	-2.1799808	0.00374149	No
						RT1-CE10	145.625	58.0169	-1.32771	145.626	58.0179	-1.327698	0.0186489	No
						RT1-DOb	20.9696	1.37395	-3.9319	20.9706	1.37495	-3.9309171	0.0160279	No
						RT1-M3-1	64.5126	12.1237	-2.41175	64.5136	12.1247	-2.4116543	0.00014629	No
						RT1-N3	78.9409	13.9449	-2.50103	78.9419	13.9459	-2.5009502	0.00014629	No
						RT1-S3	101.773	10.9328	-3.21862	101.774	10.9338	-3.2185022	0.00014629	No
						Rtcd1	15.9218	35.1573	1.14282	15.9228	35.1583	1.14277126	0.00014629	No
						Rtn4	37.9445	97.5089	1.36164	37.9455	97.5099	1.3616199	0.00014629	No
						Rtn4ip1	3.94868	16.1243	2.02979	3.94968	16.1253	2.02951832	0.00014629	No
						Rtp4	15.5387	6.57294	-1.24126	15.5397	6.57394	-1.2411285	0.00078603	No
						Rttn	3.72869	1.82319	-1.0322	3.72969	1.82419	-1.0317997	0.00720409	No
						Rufy1	19.861	38.3364	0.948777	19.862	38.3374	0.9487416	0.00014629	No
						Rufy3	9.26041	29.7226	1.68241	9.26141	29.7236	1.6823051	0.00014629	No
						Rundc3a	5.43124	1.8312	-1.56849	5.43224	1.8322	-1.5679702	0.00053701	No
						Runx2	3.04518	0.320176	-3.24959	3.04618	0.321176	-3.2455652	0.0192184	No
						Rusc2	0.137419	1.66369	3.59773	0.138419	1.66469	3.58813965	0.00659461	No
						Rwdd2a	0.626022	7.33175	3.54987	0.627022	7.33275	3.54776639	0.00014629	No
						Rwdd2b	3.3202	12.8225	1.94933	3.3212	12.8235	1.94901357	0.00014629	No
						Rwdd3	4.90984	9.57544	0.963663	4.91084	9.57644	0.96351962	0.0193137	No
						Rxra	10.3062	24.696	1.26076	10.3072	24.697	1.26068333	0.00014629	No
						Rxrg	0.161685	12.6675	6.29181	0.162685	12.6685	6.28302067	0.00555587	No
						RYBP	34.5625	8.86828	-1.96248	34.5635	8.86928	-1.9623604	0.00014629	No
						Ryk	11.8116	17.1449	0.537571	11.8126	17.1459	0.53753709	0.0275289	No
						S100a1	0.753006	509.548	9.40234	0.754006	509.549	9.40042917	0.0286096	No
						S100a10	576.933	362.981	-0.668509	576.934	362.982	-0.6685083	0.00014629	No
						S100a11	36.7094	1391.4	5.24424	36.7104	1391.401	5.24420562	0.00014629	No
						S100a13	34.0957	195.336	2.5183	34.0967	195.337	2.51826122	0.00014629	No
						S100a6	41.2261	831.865	4.33472	41.2271	831.866	4.33468626	0.00014629	No
						S100pbp	24.8539	4.687	-2.40674	24.8549	4.688	-2.4064858	0.00014629	No
						S1pr1	415.809	6.04898	-6.10309	415.81	6.04998	-6.1028503	0.00014629	No
						S1pr5	1.40699	3.3849	1.2665	1.40799	3.3859	1.26590228	0.0085437	No
						SAAL1	15.8921	42.9125	1.43308	15.8931	42.9135	1.43303102	0.037924	No
						Sacs	6.39773	0.386728	-4.04817	6.39873	0.387728	-4.0446688	0.00014629	No
						Safb	77.0569	49.1578	-0.648505	77.0579	49.1588	-0.6484932	0.00230432	No
						Safb2	93.8381	155.335	0.727139	93.8391	155.336	0.72713114	0.029796	No
						SAMD11	0.123925	6.91388	5.80196	0.124925	6.91488	5.79057009	0.00161718	No
						Samd5	0	0.990417	inf	0.001	0.991417	9.95334819	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Samd9l	52.9393	7.9372	-2.73764	52.9403	7.9382	-2.7374826	0.00014629	No
						Samhd1	72.5563	4.95028	-3.87352	72.5573	4.95128	-3.8732473	0.00014629	No
						Samm50	44.3113	175.764	1.98789	44.3123	175.765	1.9878687	0.00014629	No
						Samsn1	6.25752	2.45681	-1.3488	6.25852	2.45781	-1.3484481	0.0132409	No
						Sap130	14.597	7.68166	-0.926178	14.598	7.68266	-0.9260929	0.0353465	No
						Sap30	14.9239	8.44978	-0.820634	14.9249	8.45078	-0.8205649	0.0230496	No
						Sar1b	22.6703	48.9876	1.11161	22.6713	48.9886	1.11157894	0.00014629	No
						SARG	0.146154	18.6643	6.99665	0.147154	18.6653	6.98688813	0.00014629	No
						Sart3	25.9289	15.6093	-0.732153	25.9299	15.6103	-0.7321184	0.00761239	No
						Sash3	178.047	7.46221	-4.57651	178.048	7.46321	-4.5763261	0.00014629	No
						Sat1	84.2913	380.534	2.17457	84.2923	380.535	2.1745564	0.00014629	No
						Sat2	0.0664778	167.468	11.2987	0.0674778	167.469	11.2771935	0.00934853	No
						Satb1	366.662	5.80623	-5.9807	366.663	5.80723	-5.9804607	0.00014629	No
						Satb2	0	5.46148	inf	0.001	5.46248	12.4153404	0.00014629	No
						Sav1	3.37435	20.486	2.60196	3.37535	20.487	2.60159973	0.00014629	No
						Saysd1	5.58892	19.6916	1.81694	5.58992	19.6926	1.81675406	0.00066215	No
						Sbds	30.5415	71.2983	1.2231	30.5425	71.2993	1.22306976	0.00014629	No
						Sbk1	6.84986	1.93002	-1.82746	6.85086	1.93102	-1.826922	0.00014629	No
						Sbno1	44.1358	13.136	-1.74842	44.1368	13.137	-1.7483462	0.00014629	No
						Scaf1	24.0536	37.0906	0.624799	24.0546	37.0916	0.62477969	0.00195831	No
						Scaf11	33.3475	13.5672	-1.29746	33.3485	13.5682	-1.2973925	0.00014629	No
						Scaf8	32.8705	10.7939	-1.60658	32.8715	10.7949	-1.6064874	0.00014629	No
						SCAI	7.52153	1.08253	-2.79661	7.52253	1.08353	-2.7954789	0.00014629	No
						Scamp1	4.11891	14.3214	1.79784	4.11991	14.3224	1.79758854	0.00014629	No
						Scamp2	22.235	34.8373	0.647803	22.236	34.8383	0.64777694	0.00307875	No
						Scamp3	96.8742	68.7233	-0.495313	96.8752	68.7243	-0.4953071	0.0129486	No
						Scamp5	0	8.5189	inf	0.001	8.5199	13.0566208	0.00014629	No
						Scand1	58.412	304.909	2.38404	58.413	304.91	2.38402208	0.00014629	No
						Scaper	5.36754	3.42309	-0.648963	5.36854	3.42409	-0.6488092	0.011151	No
						SCCPDH	1.27952	20.1443	3.97669	1.28052	20.1453	3.9756416	0.00954394	No
						Scd	66.3596	10.9196	-2.60339	66.3606	10.9206	-2.6032748	0.00014629	No
						Schip1	0	14.3043	inf	0.001	14.3053	13.8042621	0.00014629	No
						Scly	3.73339	223.587	5.90421	3.73439	223.588	5.90382635	0.00014629	No
						Scml4	74.892	2.62559	-4.8341	74.893	2.62659	-4.833568	0.00014629	No
						Scnm1	12.9764	128.731	3.3104	12.9774	128.732	3.31029745	0.00014629	No
						Scnn1a	0.0405133	7.14612	7.46262	0.0415133	7.14712	7.42764458	0.0182953	No
						Scnn1b	0.0816831	8.51958	6.7046	0.0826831	8.52058	6.68721535	0.0351683	No
						Scnn1g	0	7.24203	inf	0.001	7.24303	12.8223776	0.00014629	No
						Scoc	16.8578	31.078	0.882476	16.8588	31.079	0.88243823	0.00014629	No
						Scp2	43.6836	89.8056	1.03971	43.6846	89.8066	1.03969669	0.00014629	No
						Scpep1	47.6699	170.367	1.8375	47.6709	170.368	1.83747361	0.00014629	No
						Scrn2	6.35486	31.1474	2.29318	6.35586	31.1484	2.29299881	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Scrn3	3.62315	10.0983	1.47879	3.62415	10.0993	1.47854073	0.00014629	No
						Scyl1	21.5595	38.1604	0.823752	21.5605	38.1614	0.82372346	0.00126596	No
						Scyl3	22.0134	7.07641	-1.63729	22.0144	7.07741	-1.6371541	0.00014629	No
						Sdad1	13.7747	7.81986	-0.816806	13.7757	7.82086	-0.8167265	0.038868	No
						Sdc1	0.187967	6.22009	5.04839	0.188967	6.22109	5.04096116	0.00066215	No
						Sdc2	0	115.809	inf	0.001	115.81	16.8214003	0.00014629	No
						SDC3	0.533615	2.00655	1.91084	0.534615	2.00755	1.9088637	0.00384649	No
						Sdcbp	74.9529	103.748	0.469033	74.9539	103.749	0.46902198	0.0176431	No
						Sdccag8	3.23888	8.885	1.45588	3.23988	8.886	1.45559376	0.0313726	No
						Sde2	21.1931	7.52534	-1.49377	21.1941	7.52634	-1.4936423	0.00014629	No
						Sdha	66.2446	235.434	1.82945	66.2456	235.435	1.82943227	0.00014629	No
						Sdhaf2	16.1448	78.461	2.28091	16.1458	78.462	2.28083518	0.00014629	No
						Sdhb	85.0547	461.703	2.4405	85.0557	461.704	2.4404884	0.00014629	No
						Sdhc	69.4022	499.05	2.84613	69.4032	499.051	2.84611317	0.00014629	No
						Sdhd	70.1997	258.883	1.88276	70.2007	258.884	1.88274848	0.00014629	No
						Sdpr	0	9.24491	inf	0.001	9.24591	13.1745996	0.00014629	No
						Sdr39u1	35.528	17.717	-1.00382	35.529	17.718	-1.0037813	0.0384413	No
						Sec14l1	8.44852	18.0079	1.09186	8.44952	18.0089	1.09176877	0.00014629	No
						Sec14l2	6.49031	2.34204	-1.47052	6.49131	2.34304	-1.4701281	0.00352183	No
						Sec16b	0.180983	5.48653	4.92197	0.181983	5.48753	4.91428133	0.00014629	No
						Sec22a	6.37813	13.8547	1.11917	6.37913	13.8557	1.11904801	0.00090728	No
						Sec22c	7.0983	4.0707	-0.802199	7.0993	4.0717	-0.8020455	0.029075	No
						Sec24b	23.4416	8.35686	-1.48804	23.4426	8.35786	-1.4879271	0.00014629	No
						Sec24d	2.85498	8.46668	1.56832	2.85598	8.46768	1.56798087	0.00014629	No
						Sec61b	102.196	150.39	0.557375	102.197	150.391	0.55736539	0.0104529	No
						Sec61g	155.42	214.005	0.461474	155.421	214.006	0.4614698	0.0426261	No
						Sec62	41.6916	105.652	1.3415	41.6926	105.653	1.34147048	0.00014629	No
						Sec63	26.2599	12.694	-1.04872	26.2609	12.695	-1.048656	0.00014629	No
						Secisbp2l	17.4704	7.44982	-1.22963	17.4714	7.45082	-1.2295241	0.00014629	No
						Sectm1b	0.699639	18.0062	4.68574	0.700639	18.0072	4.68375876	0.00066215	No
						Seh1l	28.8009	18.9445	-0.60433	28.8019	18.9455	-0.6043088	0.00285806	No
						Sel1l	15.8528	8.52854	-0.894368	15.8538	8.52954	-0.8942888	0.00014629	No
						Sel1l3	0	0.931685	inf	0.001	0.932685	9.86524611	0.00014629	No
						Selenbp1	0	37.6209	inf	0.001	37.6219	15.1992851	0.00014629	No
						Sell	868.287	7.06815	-6.94069	868.288	7.06915	-6.9404931	0.00014629	No
						Selp	2.31991	0.166596	-3.79965	2.32091	0.167596	-3.791631	0.00219102	No
						Selplg	93.121	3.95784	-4.55632	93.122	3.95884	-4.5559724	0.00014629	No
						Selrc1	1.88551	4.22828	1.16511	1.88651	4.22928	1.16469233	0.00427532	No
						Sema3c	0	14.0815	inf	0.001	14.0825	13.7816159	0.00014629	No
						Sema3f	0.382479	6.8621	4.1652	0.383479	6.8631	4.1616409	0.00014629	No
						Sema3g	0.269508	4.21396	3.96678	0.270508	4.21496	3.96177577	0.00014629	No
						Sema4c	0.0876252	0.965733	3.46221	0.0886252	0.966733	3.44732861	0.00761239	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sema4d	56.7437	10.5148	-2.43204	56.7447	10.5158	-2.431927	0.00014629	No
						Sema4g	0.58739	5.66082	3.26862	0.58839	5.66182	3.26642125	0.00014629	No
						Sema7a	2.08786	20.1998	3.27424	2.08886	20.2008	3.27362472	0.00014629	No
						Senp1	9.08659	3.99368	-1.18602	9.08759	3.99468	-1.1858178	0.00014629	No
						Senp6	56.5472	20.7023	-1.44966	56.5482	20.7033	-1.4496204	0.00014629	No
						Senp7	21.4052	3.05817	-2.80722	21.4062	3.05917	-2.8068165	0.00014629	No
						Senp8	0.911054	4.55454	2.3217	0.912054	4.55554	2.32043093	0.00014629	No
						Sephs1	16.6629	30.8653	0.889344	16.6639	30.8663	0.88930647	0.00014629	No
						Sephs2	20.4912	59.9369	1.54844	20.4922	59.9379	1.54839366	0.00014629	No
						Sepn1	0.547881	4.03583	2.88093	0.548881	4.03683	2.87865753	0.019504	No
						Sepw1	74.8333	39.9138	-0.906794	74.8343	39.9148	-0.9067759	0.0322469	No
						SERBP1	291.006	76.798	-1.92191	291.007	76.799	-1.9218944	0.00014629	No
						Sergef	11.5872	55.773	2.26703	11.5882	55.774	2.26693625	0.00014629	No
						Serhl2	2.07779	13.7229	2.72347	2.07879	13.7239	2.72287459	0.0254337	No
						Serinc2	0.179826	26.8647	7.22296	0.180826	26.8657	7.21501949	0.00041099	No
						Serpinb1a	0.655333	26.7848	5.35304	0.656333	26.7858	5.3508966	0.00014629	No
						Serpinb5	0	0.964927	inf	0.001	0.965927	9.91577035	0.00014629	No
						Serpinb6	1.90218	44.0059	4.53197	1.90318	44.0069	4.53124583	0.00230432	No
						Serpinb6b	238.411	11.6668	-4.35297	238.412	11.6678	-4.3528524	0.00014629	No
						Serpinb9	78.7447	7.54263	-3.38404	78.7457	7.54363	-3.3838703	0.00014629	No
						Serpinc1	0.209362	10.0291	5.58205	0.210362	10.0301	5.57531806	0.00352183	No
						Serpini1	6.69319	0.703892	-3.24927	6.69419	0.704892	-3.2474354	0.00014629	No
						Sertad2	18.6393	7.29011	-1.35433	18.6403	7.29111	-1.3542147	0.00014629	No
						Sesn1	126.965	18.5768	-2.77285	126.966	18.5778	-2.7727906	0.00014629	No
						Sesn2	5.77699	24.3806	2.07734	5.77799	24.3816	2.07715319	0.00014629	No
						Sesn3	63.8908	15.1789	-2.07354	63.8918	15.1799	-2.0734685	0.00014629	No
						Set	199.079	61.9277	-1.68469	199.08	61.9287	-1.6846682	0.00014629	No
						Setd1b	38.2123	7.94505	-2.26591	38.2133	7.94605	-2.2657651	0.00014629	No
						Setd2	46.4767	15.2826	-1.60462	46.4777	15.2836	-1.6045543	0.00014629	No
						Setd3	31.0975	52.1979	0.747192	31.0985	52.1989	0.74717441	0.00028114	No
						Setd4	11.29	38.9226	1.78556	11.291	38.9236	1.78547188	0.00014629	No
						Setd5	26.6983	5.11655	-2.3835	26.6993	5.11755	-2.3832767	0.00014629	No
						Setd7	25.9744	4.14899	-2.64626	25.9754	4.14999	-2.6459662	0.00014629	No
						Setd8	53.7194	23.0395	-1.22133	53.7204	23.0405	-1.221298	0.00014629	No
						Setdb1	24.3269	6.53074	-1.89724	24.3279	6.53174	-1.8970725	0.00114835	No
						Setx	102.867	7.8878	-3.70502	102.868	7.8888	-3.7048446	0.00014629	No
						Sf1	186.353	65.9225	-1.49919	186.354	65.9235	-1.499181	0.00014629	No
						Sf3a1	25.3081	12.8005	-0.983401	25.3091	12.8015	-0.9833433	0.00014629	No
						Sf3a3	56.5575	32.1794	-0.813583	56.5585	32.1804	-0.8135616	0.046358	No
						Sf3b1	197.016	45.4202	-2.11691	197.017	45.4212	-2.1168824	0.00014629	No
						Sf3b2	80.9811	46.6823	-0.794708	80.9821	46.6833	-0.7946965	0.00014629	No
						Sf3b3	54.4108	17.6344	-1.6255	54.4118	17.6354	-1.6254453	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sf3b4	37.9603	25.5403	-0.571714	37.9613	25.5413	-0.5716974	0.0497484	No
						Sf3b5	89.0955	158.61	0.832055	89.0965	158.611	0.83205216	0.00014629	No
						Sf3b6	108.524	55.8056	-0.959528	108.525	55.8066	-0.9595198	0.00014629	No
						Sfi1	14.7321	208.636	3.82395	14.7331	208.637	3.8238621	0.00014629	No
						SFN	73.2969	30.1309	-1.28251	73.2979	30.1319	-1.2824802	0.00014629	No
						SFR1	88.2281	23.1593	-1.92965	88.2291	23.1603	-1.9296006	0.00014629	No
						SFSWAP	26.1369	78.7643	1.59145	26.1379	78.7653	1.59141696	0.00014629	No
						Sft2d1	96.6223	61.2899	-0.656706	96.6233	61.2909	-0.6566982	0.00782085	No
						Sfta2	0	6.87089	inf	0.001	6.87189	12.7464912	0.00740907	No
						Sfxn1	16.675	59.0445	1.82411	16.676	59.0455	1.82405384	0.00014629	No
						Sfxn2	6.44308	30.0604	2.22204	6.44408	30.0614	2.22186589	0.00014629	No
						Sfxn4	7.23387	20.2194	1.4829	7.23487	20.2204	1.48277254	0.00014629	No
						Sfxn5	0.351279	3.40275	3.27601	0.352279	3.40375	3.2723347	0.00296747	No
						Sgcb	1.38436	2.44161	0.818611	1.38536	2.44261	0.81816261	0.036695	No
						Sgce	0	28.1346	inf	0.001	28.1356	14.7801091	0.00014629	No
						Sgk1	10.8585	136.992	3.65719	10.8595	136.993	3.65707259	0.00014629	No
						Sgk3	6.43917	4.25248	-0.59857	6.44017	4.25348	-0.5984551	0.0333042	No
						Sgms1	5.70946	31.8417	2.47949	5.71046	31.8427	2.4792838	0.00014629	No
						Sgpl1	11.4004	2.69917	-2.07849	11.4014	2.70017	-2.0780888	0.00014629	No
						Sgsh	9.96633	2.20978	-2.17316	9.96733	2.21078	-2.1726516	0.00014629	No
						Sgsm2	2.57309	6.25025	1.28041	2.57409	6.25125	1.2800822	0.00090728	No
						Sgsm3	0.77102	9.86757	3.67786	0.77202	9.86857	3.67613092	0.00102864	No
						Sgta	38.3249	150.755	1.97585	38.3259	150.756	1.97582385	0.00014629	No
						Sh2b2	1.09679	0.192592	-2.50966	1.09779	0.193592	-2.5035109	0.0160279	No
						Sh2b3	13.0364	4.8981	-1.41225	13.0374	4.8991	-1.4120675	0.00014629	No
						Sh2d1a	51.2616	1.49652	-5.09819	51.2626	1.49752	-5.0972595	0.00014629	No
						Sh2d3c	66.0382	36.6716	-0.848638	66.0392	36.6726	-0.8486201	0.00028114	No
						Sh3bgrl	112.038	38.2122	-1.55188	112.039	38.2132	-1.551858	0.00014629	No
						Sh3bgrl2	0.254193	19.7743	6.28156	0.255193	19.7753	6.27596701	0.00014629	No
						Sh3bgrl3	241.211	90.9698	-1.40683	241.212	90.9708	-1.4068262	0.00014629	No
						Sh3bp1	26.2164	10.5778	-1.30944	26.2174	10.5788	-1.3093486	0.00649695	No
						Sh3bp4	0.330778	6.37391	4.26824	0.331778	6.37491	4.26411484	0.00014629	No
						Sh3bp5	3.95525	37.0543	3.2278	3.95625	37.0553	3.22747441	0.00014629	No
						Sh3bp5l	3.70917	12.0873	1.70432	3.71017	12.0883	1.70405417	0.00014629	No
						Sh3glb1	52.9681	32.1077	-0.722203	52.9691	32.1087	-0.7221867	0.011151	No
						Sh3glb2	11.4721	32.6191	1.50759	11.4731	32.6201	1.50750595	0.00014629	No
						Sh3kbp1	140.879	6.52577	-4.43217	140.88	6.52677	-4.4319538	0.00014629	No
						Sh3pxd2a	2.20619	0.976369	-1.17606	2.20719	0.977369	-1.1752356	0.0319849	No
						Sh3rf1	1.75544	36.8126	4.39029	1.75644	36.8136	4.38951264	0.00014629	No
						Sh3tc1	2.4426	50.3264	4.36483	2.4436	50.3274	4.36426402	0.00014629	No
						Sh3tc2	0	74.7323	inf	0.001	74.7333	16.1894636	0.00014629	No
						Sh3yl1	0.413345	27.0194	6.0305	0.414345	27.0204	6.02707271	0.00028114	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Shb	5.29614	111.238	4.39256	5.29714	111.239	4.39230523	0.00014629	No
						Shbg	0.376089	3.01724	3.00408	0.377089	3.01824	3.00073056	0.034633	No
						She	5.06448	1.03817	-2.28638	5.06548	1.03917	-2.2852673	0.00041099	No
						Shf	1.16137	10.3068	3.14969	1.16237	10.3078	3.14859517	0.004167	No
						Shh	0	5.44401	inf	0.001	5.44501	12.410719	0.00014629	No
						Shisa5	449.63	57.0223	-2.97914	449.631	57.0233	-2.9791181	0.00014629	No
						Shmt1	21.6202	32.4621	0.586376	21.6212	32.4631	0.58635418	0.0323416	No
						Shoc2	16.1762	5.50602	-1.55479	16.1772	5.50702	-1.5546182	0.00014629	No
						Shpk	3.46763	8.90428	1.36055	3.46863	8.90528	1.36029502	0.00014629	No
						Shprh	5.37998	2.95723	-0.863357	5.38098	2.95823	-0.8631347	0.00184429	No
						Shq1	2.69114	1.11047	-1.27705	2.69214	1.11147	-1.2762844	0.0479113	No
						Shroom2	0	4.36709	inf	0.001	4.36809	12.0927869	0.00014629	No
						Shroom3	0	5.21202	inf	0.001	5.21302	12.3479037	0.00014629	No
						Siah1a	4.08714	10.035	1.29587	4.08814	10.036	1.29566787	0.00014629	No
						Siah2	3.51647	8.34335	1.2465	3.51747	8.34435	1.24626155	0.00066215	No
						Sidt1	9.7068	0.570353	-4.08907	9.7078	0.571353	-4.0866901	0.00014629	No
						Sidt2	49.1583	33.7021	-0.544597	49.1593	33.7031	-0.5445831	0.0100448	No
						Sil1	7.98279	52.2488	2.71043	7.98379	52.2498	2.71027984	0.00014629	No
						Sipa1	94.4632	21.2322	-2.1535	94.4642	21.2332	-2.1534459	0.00014629	No
						Sipa1l3	7.15916	17.7861	1.31289	7.16016	17.7871	1.31276758	0.00014629	No
						Sirpa	0.903238	5.21229	2.52874	0.904238	5.21329	2.52741966	0.00014629	No
						Sirt1	20.2606	8.74448	-1.21223	20.2616	8.74548	-1.2121386	0.00352183	No
						Sirt2	56.264	82.797	0.557365	56.265	82.798	0.55735816	0.0137192	No
						Sirt3	7.84778	43.1034	2.45744	7.84878	43.1044	2.45729482	0.00014629	No
						Sirt5	20.9326	33.0836	0.660366	20.9336	33.0846	0.6603394	0.00710369	No
						Sirt6	13.5722	21.3826	0.655781	13.5732	21.3836	0.65574387	0.00884407	No
						Sirt7	58.9622	42.6119	-0.468534	58.9632	42.6129	-0.4685246	0.0250635	No
						Sit1	67.3517	3.65523	-4.20368	67.3527	3.65623	-4.203307	0.00014629	No
						Six5	0.139725	8.40932	5.91133	0.140725	8.41032	5.90121014	0.0224797	No
						Ska2	4.76699	15.7995	1.72873	4.76799	15.8005	1.7285171	0.0139199	No
						Skap1	239.372	24.2262	-3.30461	239.373	24.2272	-3.3045608	0.00014629	No
						Skap2	11.9683	26.3615	1.13922	11.9693	26.3625	1.13914841	0.00014629	No
						Ski	38.2107	17.9037	-1.09372	38.2117	17.9047	-1.0936761	0.00014629	No
						Skida1	0.149227	1.73831	3.5421	0.150227	1.73931	3.53329906	0.00884407	No
						Skil	16.2729	10.3496	-0.652906	16.2739	10.3506	-0.6528456	0.00066215	No
						Skiv2l2	22.7703	12.2129	-0.898749	22.7713	12.2139	-0.8986927	0.00924781	No
						Skp1	188.406	340.331	0.853092	188.407	340.332	0.85309024	0.00014629	No
						Skp2	4.54483	0.492365	-3.20643	4.54583	0.493365	-3.2038165	0.00014629	No
						Sla	39.2149	0.929943	-5.39812	39.2159	0.930943	-5.3966021	0.00014629	No
						Slain1	14.9856	1.92334	-2.96188	14.9866	1.92434	-2.9612375	0.00014629	No
						Slain2	16.9689	11.2343	-0.594975	16.9699	11.2353	-0.5949394	0.00914429	No
						Slamf6	63.8045	0.829589	-6.26512	63.8055	0.830589	-6.2634022	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slamf9	0.26472	2.31429	3.12803	0.26572	2.31529	3.12321418	0.0247814	No
						Slc10a5	0.661914	2.77744	2.06904	0.662914	2.77844	2.06738146	0.00700299	No
						Slc11a2	13.0237	57.1081	2.13256	13.0247	57.1091	2.13247051	0.00014629	No
						SLC12A1	0	114.722	inf	0.001	114.723	16.8077951	0.00014629	No
						Slc12a2	4.39678	8.18501	0.896539	4.39778	8.18601	0.89638499	0.00053701	No
						Slc12a6	29.9794	5.70142	-2.39458	29.9804	5.70242	-2.3943734	0.00014629	No
						Slc12a7	44.154	16.6898	-1.40358	44.155	16.6908	-1.4035237	0.00014629	No
						Slc12a8	0.163176	38.8595	7.8957	0.164176	38.8605	7.88691741	0.00014629	No
						Slc12a9	25.4322	37.1103	0.545164	25.4332	37.1113	0.54514555	0.0301422	No
						Slc13a1	0	106.683	inf	0.001	106.684	16.7029843	0.00014629	No
						Slc14a1	40.2654	8.7252	-2.20628	40.2664	8.7262	-2.206151	0.00014629	No
						Slc14a2	0	23.4779	inf	0.001	23.4789	14.5190772	0.00014629	No
						Slc16a10	6.06897	3.09027	-0.973719	6.06997	3.09127	-0.9734897	0.00491494	No
						SLC16A11	0.136374	37.0377	8.08528	0.137374	37.0387	8.07478067	0.00014629	No
						Slc16a12	0	47.158	inf	0.001	47.159	15.5252455	0.00014629	No
						Slc16a13	0.948145	23.5294	4.63321	0.949145	23.5304	4.63175353	0.00014629	No
						Slc16a14	0.0105329	21.0749	10.9664	0.0115329	21.0759	10.8356232	0.00138312	No
						Slc16a7	0.0768491	25.1994	8.35714	0.0778491	25.2004	8.33855056	0.00014629	No
						Slc17a1	0	33.4554	inf	0.001	33.4564	15.0299946	0.00014629	No
						Slc17a2	0	12.4931	inf	0.001	12.4941	13.6089594	0.00014629	No
						Slc17a3	0	154.963	inf	0.001	154.964	17.2415736	0.00014629	No
						Slc17a4	0	5.75653	inf	0.001	5.75753	12.4912343	0.00014629	No
						Slc17a5	4.63363	8.94747	0.949338	4.63463	8.94847	0.94918687	0.00066215	No
						Slc18b1	0.165869	8.18538	5.62493	0.166869	8.18638	5.61643777	0.00014629	No
						Slc19a1	8.38885	79.5162	3.2447	8.38985	79.5172	3.24455003	0.00014629	No
						Slc1a1	0.0288015	45.4133	10.6228	0.0298015	45.4143	10.573546	0.0122504	No
						Slc1a5	15.5235	5.49077	-1.49937	15.5245	5.49177	-1.4992037	0.00014629	No
						Slc20a1	48.283	13.773	-1.80967	48.284	13.774	-1.8095976	0.00014629	No
						Slc20a2	34.3722	18.5505	-0.889786	34.3732	18.5515	-0.8897483	0.00014629	No
						Slc22a1	0	154.449	inf	0.001	154.45	17.2367803	0.00014629	No
						Slc22a15	0.0590107	11.7189	7.63364	0.0600107	11.7199	7.60952479	0.0240648	No
						Slc22a18	2.79127	92.1958	5.04571	2.79227	92.1968	5.04520632	0.00014629	No
						Slc22a2	0	57.1429	inf	0.001	57.1439	15.8023119	0.00014629	No
						Slc22a22	0	22.8381	inf	0.001	22.8391	14.4792182	0.00014629	No
						Slc22a23	0.0139484	8.63308	9.27363	0.0149484	8.63408	9.17390758	0.023877	No
						Slc22a24	0	2.55007	inf	0.001	2.55107	11.3168868	0.00014629	No
						Slc22a25	0	25.0211	inf	0.001	25.0221	14.6109153	0.00014629	No
						Slc22a5	1.60815	113.783	6.14475	1.60915	113.784	6.14385508	0.00014629	No
						Slc22a7	0	2.02917	inf	0.001	2.03017	10.9873848	0.00014629	No
						Slc23a2	18.5437	3.48403	-2.4121	18.5447	3.48503	-2.4117639	0.00014629	No
						Slc23a3	0.42933	2.36606	2.46233	0.43033	2.36706	2.45958095	0.00173187	No
						Slc24a6	4.58051	30.0033	2.71154	4.58151	30.0043	2.7112742	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc25a1	11.3092	68.5616	2.5999	11.3102	68.5626	2.59979738	0.00014629	No
						Slc25a10	5.88578	159	4.75565	5.88678	159.001	4.75541332	0.00014629	No
						Slc25a11	36.3172	155.156	2.09499	36.3182	155.157	2.09496418	0.00014629	No
						Slc25a13	0.434699	37.6067	6.43483	0.435699	37.6077	6.43155246	0.00219102	No
						Slc25a15	3.96347	25.3691	2.67824	3.96447	25.3701	2.67792929	0.00014629	No
						Slc25a20	14.9759	34.4731	1.20283	14.9769	34.4741	1.20277385	0.00014629	No
						Slc25a24	2.10169	5.87845	1.48389	2.10269	5.87945	1.48344503	0.00014629	No
						Slc25a25	2.93354	18.4626	2.65389	2.93454	18.4636	2.6534776	0.00014629	No
						Slc25a28	32.4196	85.3397	1.39635	32.4206	85.3407	1.39632315	0.00014629	No
						Slc25a29	2.47474	23.9025	3.27181	2.47574	23.9035	3.27129016	0.00014629	No
						Slc25a3	237.718	621.914	1.38747	237.719	621.915	1.3874602	0.00014629	No
						Slc25a30	17.6016	70.7996	2.00804	17.6026	70.8006	2.00797305	0.00014629	No
						Slc25a32	4.87757	2.94171	-0.729508	4.87857	2.94271	-0.729313	0.0315381	No
						Slc25a33	6.87994	12.3378	0.842623	6.88094	12.3388	0.84252452	0.00597292	No
						Slc25a35	2.04864	7.50058	1.87234	2.04964	7.50158	1.87182396	0.00384649	No
						Slc25a36l1	100.225	20.9984	-2.25489	100.226	20.9994	-2.2548368	0.00014629	No
						Slc25a38	20.8161	117.368	2.49527	20.8171	117.369	2.4952104	0.00014629	No
						Slc25a39	66.697	247.562	1.89209	66.698	247.563	1.8920803	0.00014629	No
						Slc25a42	5.21831	17.7447	1.76573	5.21931	17.7457	1.76553849	0.00014629	No
						Slc25a45	0.294047	77.0345	8.03332	0.295047	77.0355	8.02843483	0.00014629	No
						Slc25a46	29.0217	14.1424	-1.03711	29.0227	14.1434	-1.0370528	0.00195831	No
						Slc25a48	0	20.2077	inf	0.001	20.2087	14.3026889	0.00014629	No
						Slc25a5	300.377	856.28	1.51131	300.378	856.281	1.51130516	0.00014629	No
						Slc26a2	3.01313	1.01883	-1.56435	3.01413	1.01983	-1.563413	0.00014629	No
						Slc26a6	20.7981	40.1473	0.948851	20.7991	40.1483	0.9488178	0.00252712	No
						Slc26a8	87.9308	30.3881	-1.53286	87.9318	30.3891	-1.5328311	0.00014629	No
						Slc27a1	12.3403	33.4964	1.44063	12.3413	33.4974	1.44055475	0.00374149	No
						Slc28a2	90.3936	11.6202	-2.95958	90.3946	11.6212	-2.9594775	0.00014629	No
						Slc29a3	2.08746	39.9334	4.25778	2.08846	39.9344	4.25712062	0.00014629	No
						Slc2a1	9.33674	26.6998	1.51584	9.33774	26.7008	1.51573764	0.00014629	No
						Slc2a12	0.0927231	1.8721	4.33558	0.0937231	1.8731	4.32087944	0.00263402	No
						Slc2a2	0	9.44784	inf	0.001	9.44884	13.2059215	0.00014629	No
						Slc2a9	3.82389	1.20459	-1.6665	3.82489	1.20559	-1.6656789	0.0102511	No
						Slc30a4	1.67262	5.43071	1.69903	1.67362	5.43171	1.69843446	0.00014629	No
						Slc30a7	11.698	2.77004	-2.07828	11.699	2.77104	-2.0778858	0.00014629	No
						Slc31a1	6.53814	24.3898	1.89932	6.53914	24.3908	1.89916426	0.00066215	No
						Slc31a2	6.61974	30.0424	2.18216	6.62074	30.0434	2.18198371	0.00028114	No
						Slc34a1	0.0320587	2989.12	16.5086	0.0330587	2989.121	16.4643318	0.0109563	No
						Slc34a3	0	102.375	inf	0.001	102.376	16.643518	0.00014629	No
						Slc35a1	9.19805	20.627	1.16513	9.19905	20.628	1.16504717	0.00014629	No
						Slc35a3	9.54022	4.82026	-0.984913	9.54122	4.82126	-0.9847635	0.00014629	No
						Slc35a5	6.97818	3.30364	-1.07879	6.97918	3.30464	-1.0785644	0.00138312	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc35b1	21.2804	37.1795	0.804981	21.2814	37.1805	0.80495311	0.00028114	No
						Slc35b4	24.339	12.8746	-0.918741	24.34	12.8756	-0.9186895	0.00014629	No
						Slc35d2	10.6565	2.31196	-2.20454	10.6575	2.31296	-2.2040568	0.00014629	No
						Slc35e1	10.9599	6.15432	-0.83256	10.9609	6.15532	-0.8324605	0.00078603	No
						Slc35e2b	7.91561	3.5456	-1.15867	7.91661	3.5466	-1.1584462	0.00014629	No
						Slc35e3	2.41906	6.91033	1.51431	2.42006	6.91133	1.51392055	0.00028114	No
						Slc35f5	5.07231	8.61398	0.764038	5.07331	8.61498	0.76392013	0.00669647	No
						Slc35f6	2.47341	4.99594	1.01426	2.47441	4.99694	1.01396033	0.012747	No
						Slc35g1	0.383837	2.10065	2.45227	0.384837	2.10165	2.44920301	0.0289815	No
						Slc36a1	2.8815	1.21009	-1.25171	2.8825	1.21109	-1.2510145	0.0396558	No
						Slc37a4	19.1172	114.942	2.58796	19.1182	114.943	2.58790001	0.00014629	No
						Slc38a1	36.1798	10.785	-1.74615	36.1808	10.786	-1.7460644	0.00014629	No
						Slc38a10	18.3504	11.922	-0.622183	18.3514	11.923	-0.6221428	0.0164185	No
						Slc38a2	52.9962	38.9084	-0.445808	52.9972	38.9094	-0.4457974	0.0209112	No
						Slc38a7	0.749579	2.61403	1.80212	0.750579	2.61503	1.80075167	0.0269701	No
						Slc38a9	7.45292	2.15797	-1.78813	7.45392	2.15897	-1.7876561	0.00053701	No
						Slc39a1	8.27141	17.1103	1.04866	8.27241	17.1113	1.04856977	0.00014629	No
						Slc39a10	3.77879	1.54717	-1.28829	3.77979	1.54817	-1.2877422	0.0104529	No
						Slc39a12	0	5.20643	inf	0.001	5.20743	12.3463558	0.00014629	No
						Slc39a13	2.77712	13.1307	2.24129	2.77812	13.1317	2.24087287	0.00014629	No
						Slc39a14	5.19907	1.15062	-2.17584	5.20007	1.15162	-2.1748663	0.00014629	No
						Slc39a6	12.1307	3.43191	-1.82158	12.1317	3.43291	-1.8212778	0.00014629	No
						Slc39a9	12.5429	6.12847	-1.03327	12.5439	6.12947	-1.0331517	0.00014629	No
						Slc3a2	31.3999	80.6763	1.36138	31.4009	80.6773	1.36135689	0.00014629	No
						Slc40a1	0.245672	9.90575	5.33346	0.246672	9.90675	5.32774598	0.00014629	No
						Slc41a1	8.86178	3.93958	-1.16955	8.86278	3.94058	-1.1693513	0.00014629	No
						Slc41a3	8.16511	1.8581	-2.13564	8.16611	1.8591	-2.1350446	0.00014629	No
						Slc43a1	16.8358	3.20121	-2.39485	16.8368	3.20221	-2.3944781	0.00014629	No
						Slc44a1	0.095638	16.6112	7.44036	0.096638	16.6122	7.42543683	0.00014629	No
						Slc44a3	0	9.96009	inf	0.001	9.96109	13.2820879	0.00014629	No
						Slc45a3	0.241657	10.4924	5.44025	0.242657	10.4934	5.43441992	0.00014629	No
						SLC45A4	3.40444	9.78598	1.5233	3.40544	9.78698	1.52302254	0.00014629	No
						Slc46a1	0.307335	1.25326	2.0278	0.308335	1.25426	2.02426587	0.0103501	No
						Slc46a3	3.09201	0.854943	-1.85464	3.09301	0.855943	-1.8534249	0.00114835	No
						Slc4a11	31.4208	185.757	2.56362	31.4218	185.758	2.56358661	0.00014629	No
						Slc4a4	7.27943	19.738	1.43908	7.28043	19.739	1.43895334	0.00014629	No
						Slc4a7	27.1211	1.03595	-4.71039	27.1221	1.03695	-4.7090507	0.00014629	No
						Slc50a1	66.557	34.3841	-0.952846	66.558	34.3851	-0.9528285	0.00014629	No
						Slc51b	0	72.258	inf	0.001	72.259	16.1408897	0.00014629	No
						SLC52A2	2.55234	7.61573	1.57716	2.55334	7.61673	1.5767861	0.00014629	No
						Slc52a3	0.544499	5.13405	3.23709	0.545499	5.13505	3.23472987	0.00014629	No
						Slc5a10	0.0652775	64.6949	9.95285	0.0662775	64.6959	9.93093939	0.00149937	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc5a11	0	26.6246	inf	0.001	26.6256	14.7005264	0.00014629	No
						Slc5a12	0	15.7828	inf	0.001	15.7838	13.946157	0.00014629	No
						Slc5a2	0.0982933	58.0182	9.2052	0.0992933	58.0192	9.19061832	0.00149937	No
						Slc5a6	8.40629	20.0278	1.25246	8.40729	20.0288	1.25236324	0.00014629	No
						Slc5a8	0	12.5131	inf	0.001	12.5141	13.6112669	0.00014629	No
						Slc5a9	0	6.04372	inf	0.001	6.04472	12.5614598	0.00014629	No
						Slc6a12	0.82212	16.8668	4.35869	0.82312	16.8678	4.35702524	0.00014629	No
						Slc6a13	0	17.1067	inf	0.001	17.1077	14.0623582	0.00014629	No
						Slc6a18	0	373.978	inf	0.001	373.979	18.5125977	0.00014629	No
						Slc6a19	0	37.275	inf	0.001	37.276	15.1859594	0.00014629	No
						Slc6a6	18.4863	45.3311	1.29404	18.4873	45.3321	1.29399846	0.00014629	No
						Slc6a8	0.790023	86.2128	6.76986	0.791023	86.2138	6.76805536	0.00014629	No
						Slc7a1	5.85462	1.13291	-2.36955	5.85562	1.13391	-2.3685158	0.00014629	No
						Slc7a12	0	9.44344	inf	0.001	9.44444	13.2052495	0.00014629	No
						Slc7a13	0	59.0298	inf	0.001	59.0308	15.8491803	0.00014629	No
						Slc7a15	0	1.29829	inf	0.001	1.29929	10.3435078	0.00014629	No
						Slc7a4	0.0829107	1.83477	4.4679	0.0839107	1.83577	4.45138672	0.00014629	No
						Slc7a5	7.22268	0.887422	-3.02484	7.22368	0.888422	-3.023417	0.00014629	No
						Slc7a6	15.1384	3.16633	-2.25733	15.1394	3.16733	-2.2569689	0.00014629	No
						Slc7a6os	21.1891	11.1852	-0.921733	21.1901	11.1862	-0.9216704	0.00041099	No
						Slc7a7	0.318398	138.677	8.76668	0.319398	138.678	8.76216794	0.00014629	No
						Slc7a8	0.173476	16.8624	6.60294	0.174476	16.8634	6.59472303	0.00014629	No
						Slc7a9	0	155.057	inf	0.001	155.058	17.2424484	0.00014629	No
						Slc9a1	49.4753	10.635	-2.21788	49.4763	10.636	-2.2177819	0.00014629	No
						Slc9a3r1	129.064	185.823	0.525843	129.065	185.824	0.52583902	0.00597292	No
						Slc9a6	6.47068	2.96049	-1.12808	6.47168	2.96149	-1.1278171	0.00924781	No
						Slc9a7	13.4785	0.357117	-5.23812	13.4795	0.358117	-5.2341922	0.00014629	No
						Slc9a9	31.5906	1.48118	-4.41468	31.5916	1.48218	-4.4137484	0.00014629	No
						Slco1a6	0	66.1029	inf	0.001	66.1039	16.0124478	0.00014629	No
						Slco4a1	0.607423	7.01227	3.52911	0.608423	7.01327	3.52694067	0.00014629	No
						Sfn13	71.5121	10.4182	-2.77908	71.5131	10.4192	-2.778963	0.00014629	No
						Sfn2	368.793	20.3614	-4.1789	368.794	20.3624	-4.1788357	0.00014629	No
						Sfn3	31.8153	14.9163	-1.09284	31.8163	14.9173	-1.0927796	0.00114835	No
						Sfn5	190.137	12.1745	-3.96511	190.138	12.1755	-3.964994	0.00014629	No
						Slu7	34.7738	14.7346	-1.23879	34.7748	14.7356	-1.2387364	0.00014629	No
						Slx1b	12.3061	24.4737	0.991851	12.3071	24.4747	0.99180033	0.00161718	No
						Smad1	2.08641	9.28092	2.15324	2.08741	9.28192	2.15270927	0.00014629	No
						Smad2	25.8911	12.6604	-1.03213	25.8921	12.6614	-1.032075	0.00014629	No
						Smad4	101.012	20.1665	-2.32449	101.013	20.1675	-2.3244368	0.00014629	No
						Smad5	24.9406	7.07291	-1.81812	24.9416	7.07391	-1.8179742	0.00014629	No
						SMAGP	3.75349	171.731	5.51578	3.75449	171.732	5.51539813	0.00014629	No
						Smap1	36.259	19.937	-0.862887	36.26	19.938	-0.8628582	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Smcp2	111.172	16.0832	-2.78917	111.173	16.0842	-2.7890904	0.00014629	No
						Smarca2	75.9435	32.7549	-1.21322	75.9445	32.7559	-1.2131907	0.00014629	No
						Smarca5	41.0232	13.7942	-1.57238	41.0242	13.7952	-1.5723088	0.00014629	No
						Smarcad1	18.0834	7.46283	-1.27687	18.0844	7.46383	-1.2767577	0.00014629	No
						Smarcb1	33.3321	49.3618	0.566483	33.3331	49.3628	0.56646874	0.015456	No
						Smarcc2	74.2232	32.9247	-1.1727	74.2242	32.9257	-1.1726755	0.00014629	No
						Smarcd1	19.1373	7.27426	-1.39552	19.1383	7.27526	-1.395392	0.00014629	No
						Smarcd2	45.1631	14.4968	-1.63941	45.1641	14.4978	-1.6393425	0.00184429	No
						Smarcd3	0.112094	25.3438	7.82078	0.113094	25.3448	7.80802358	0.00014629	No
						Smarce1	91.8623	61.8682	-0.570277	91.8633	61.8692	-0.5702672	0.0156475	No
						Smc1a	44.2133	17.1818	-1.3636	44.2143	17.1828	-1.3635479	0.00014629	No
						Smc2	5.85675	2.55356	-1.19759	5.85775	2.55456	-1.1972718	0.00014629	No
						Smc3	30.6555	14.7654	-1.05393	30.6565	14.7664	-1.0538749	0.00014629	No
						Smc4	202.079	9.21037	-4.45552	202.08	9.21137	-4.455367	0.00014629	No
						Smc5	12.2621	6.83528	-0.843134	12.2631	6.83628	-0.8430403	0.00014629	No
						Smc6	28.4898	16.9995	-0.744959	28.4908	17.0005	-0.744919	0.00914429	No
						Smchd1	64.9039	6.53486	-3.31208	64.9049	6.53586	-3.3118784	0.00014629	No
						Smdt1	73.3547	468.224	2.67424	73.3557	468.225	2.67422099	0.00014629	No
						Smek1	60.6265	21.4463	-1.49922	60.6275	21.4473	-1.4991763	0.00014629	No
						Smek2	31.0458	7.22517	-2.10329	31.0468	7.22617	-2.1031415	0.00014629	No
						Smg1	43.554	5.73972	-2.92375	43.555	5.74072	-2.9235348	0.00014629	No
						Smg5	31.0556	21.4315	-0.535119	31.0566	21.4325	-0.5350998	0.0107557	No
						Smg7	30.8519	6.82413	-2.17664	30.8529	6.82513	-2.1764777	0.00014629	No
						Smg9	27.9981	41.7451	0.576277	27.9991	41.7461	0.57626097	0.041463	No
						Smim1	0.464521	82.0733	7.46502	0.465521	82.0743	7.46194048	0.00014629	No
						Smim11	37.007	20.2647	-0.86883	37.008	20.2657	-0.8687972	0.00679736	No
						Smim12	35.8021	67.8475	0.922251	35.8031	67.8485	0.92223241	0.0282519	No
						SMIM15	44.3303	17.4823	-1.3424	44.3313	17.4833	-1.3423481	0.00014629	No
						Smim19	23.2952	45.311	0.959829	23.2962	45.312	0.95979852	0.00014629	No
						Smim20	28.8694	75.4557	1.38609	28.8704	75.4567	1.38605791	0.00014629	No
						Smim24	4.58888	280.31	5.93274	4.58988	280.311	5.93242811	0.00014629	No
						Smim4	12.3633	56.8814	2.20189	12.3643	56.8824	2.20180177	0.00586782	No
						Smim7	23.8237	46.7104	0.971345	23.8247	46.7114	0.97131664	0.00014629	No
						SMIM8	23.615	45.4434	0.944366	23.616	45.4444	0.9443379	0.00207488	No
						Smox	14.0696	2.85823	-2.29938	14.0706	2.85923	-2.2989853	0.00014629	No
						Smpd1	24.1543	36.2352	0.585112	24.1553	36.2362	0.5850919	0.00523722	No
						Smpd4	4.67177	6.85572	0.553339	4.67277	6.85672	0.55324058	0.0419596	No
						Smpx	0	16.382	inf	0.001	16.383	13.9999119	0.00014629	No
						Smtn	0.125557	20.4205	7.34554	0.126557	20.4215	7.33415772	0.00078603	No
						Smurf1	16.2001	5.77808	-1.48734	16.2011	5.77908	-1.48718	0.00014629	No
						Smurf2	21.8325	6.00928	-1.86122	21.8335	6.01028	-1.8610393	0.00014629	No
						Smyd5	4.99891	2.34848	-1.08989	4.99991	2.34948	-1.0895606	0.00792329	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Snap47	3.93779	11.2089	1.50918	3.93879	11.2099	1.508949	0.00028114	No
						Snap91	0	6.6972	inf	0.001	6.6982	12.7095577	0.0277968	No
						Snapc2	16.2664	28.5096	0.80955	16.2674	28.5106	0.80951472	0.00066215	No
						Snapc4	2.92826	6.50577	1.15168	2.92926	6.50677	1.15140531	0.00014629	No
						Snd1	42.6176	14.0503	-1.60085	42.6186	14.0513	-1.6007796	0.00014629	No
						Sned1	0.0260955	17.0906	9.35518	0.0270955	17.0916	9.30101847	0.00833592	No
						Snf8	54.4455	146.207	1.42513	54.4465	146.208	1.42511104	0.00014629	No
						Snn	25.4678	56.0872	1.139	25.4688	56.0882	1.1389663	0.0304078	No
						Snrk	24.9156	9.2842	-1.4242	24.9166	9.2852	-1.4241023	0.00014629	No
						Snrnp200	36.0995	12.9038	-1.48419	36.1005	12.9048	-1.484111	0.00014629	No
						Snrnp35	15.0274	24.2596	0.690953	15.0284	24.2606	0.69092381	0.0168962	No
						Snrnp40	33.4686	15.7785	-1.08485	33.4696	15.7795	-1.0847998	0.00014629	No
						Snrnp48	74.8086	25.5884	-1.54771	74.8096	25.5894	-1.5476771	0.00014629	No
						Snrpb2	87.9412	38.6171	-1.1873	87.9422	38.6181	-1.1872784	0.00014629	No
						Snrpd2	430.937	221.882	-0.957683	430.938	221.883	-0.9576812	0.00014629	No
						Snrpe1	920.184	243.914	-1.91555	920.185	243.915	-1.9155455	0.00014629	No
						Snrpf	174.15	42.7663	-2.02579	174.151	42.7673	-2.0257587	0.00014629	No
						Snrpg	471.378	222.052	-1.08599	471.379	222.053	-1.0859834	0.00014629	No
						Sntb1	7.30801	2.28961	-1.67438	7.30901	2.29061	-1.6739442	0.00330073	No
						Sntb2	2.28054	3.9409	0.789151	2.28154	3.9419	0.78888323	0.0219354	No
						Snurf	0.181015	27.1436	7.22836	0.182015	27.1446	7.22046407	0.00710369	No
						Snw1	55.8277	26.6503	-1.06683	55.8287	26.6513	-1.0668011	0.00014629	No
						Snx1	30.4616	52.5733	0.787338	30.4626	52.5743	0.78731865	0.00090728	No
						Snx11	8.06463	12.8943	0.677052	8.06563	12.8953	0.67698621	0.00659461	No
						Snx14	21.0469	7.88967	-1.41557	21.0479	7.89067	-1.4154566	0.00014629	No
						Snx18	4.71705	7.9027	0.74446	4.71805	7.9037	0.74433748	0.00230432	No
						Snx2	36.1573	61.7128	0.771282	36.1583	61.7138	0.77126628	0.00014629	No
						Snx20	57.7563	8.79071	-2.71593	57.7573	8.79171	-2.7157876	0.00014629	No
						Snx21	0.337294	24.1728	6.16323	0.338294	24.1738	6.15902288	0.00014629	No
						Snx24	0	34.9242	inf	0.001	34.9252	15.0919808	0.00014629	No
						Snx27	13.1648	7.92928	-0.731427	13.1658	7.93028	-0.7313515	0.00066215	No
						Snx29	7.42521	62.9383	3.08343	7.42621	62.9393	3.08326312	0.00014629	No
						Snx30	0.507775	13.619	4.74529	0.508775	13.62	4.74255511	0.00014629	No
						Snx32	10.6528	1.58203	-2.75138	10.6538	1.58303	-2.7506076	0.00014629	No
						Snx4	26.7572	16.1225	-0.730851	26.7582	16.1235	-0.7308161	0.00090728	No
						SNX5	133.535	87.8479	-0.604139	133.536	87.8489	-0.6041326	0.0152626	No
						Snx6	25.0266	46.8362	0.904163	25.0276	46.8372	0.90413488	0.00014629	No
						Snx7	3.05379	27.2675	3.15851	3.05479	27.2685	3.15809023	0.00014629	No
						Snx8	12.2759	23.9249	0.962688	12.2769	23.9259	0.96262688	0.00014629	No
						Snx9	1.65049	46.01	4.80098	1.65149	46.011	4.80013867	0.00014629	No
						Soat1	1.91436	11.0478	2.52882	1.91536	11.0488	2.5282022	0.00014629	No
						Socs1	8.41836	0.900402	-3.2249	8.41936	0.901402	-3.223468	0.00659461	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Socs2	34.1943	1.59089	-4.42585	34.1953	1.59189	-4.4249855	0.00014629	No
						Socs4	8.25074	2.28939	-1.84956	8.25174	2.29039	-1.8491051	0.00014629	No
						Socs5	18.9092	8.01139	-1.23897	18.9102	8.01239	-1.2388601	0.00014629	No
						Sod1	266.956	1791.08	2.74615	266.957	1791.081	2.7461513	0.00014629	No
						Sod2	23.834	109.569	2.20075	23.835	109.57	2.20069932	0.00014629	No
						Sod3	0	80.1067	inf	0.001	80.1077	16.2896533	0.00014629	No
						Soga1	0.170442	7.45838	5.45151	0.171442	7.45938	5.44326323	0.00028114	No
						Soga2	0	1.94828	inf	0.001	1.94928	10.9287256	0.00014629	No
						Sorbs1	1.10292	11.9888	3.44229	1.10392	11.9898	3.44110006	0.00014629	No
						Sorbs2	0	8.29747	inf	0.001	8.29847	13.0186297	0.00014629	No
						Sorbs3	0.217527	29.803	7.09812	0.218527	29.804	7.09155062	0.00014629	No
						Sord	9.52235	260.729	4.77509	9.52335	260.73	4.77494363	0.00014629	No
						Sorl1	27.564	15.4767	-0.832683	27.565	15.4777	-0.8326465	0.00014629	No
						Sort1	2.30132	20.8136	3.17699	2.30232	20.8146	3.17643556	0.00014629	No
						Sos1	24.2693	6.23929	-1.95968	24.2703	6.24029	-1.959507	0.00014629	No
						Sos2	4.9814	7.37336	0.565772	4.9824	7.37436	0.565677	0.0477475	No
						Sostdc1	0	64.1299	inf	0.001	64.1309	15.968732	0.00014629	No
						Sowahb	0	5.89582	inf	0.001	5.89682	12.5257214	0.00014629	No
						Sowahc	0.18995	2.45737	3.69342	0.19095	2.45837	3.68643524	0.00014629	No
						Sox13	0.126216	12.4195	6.62057	0.127216	12.4205	6.60929931	0.00053701	No
						Sox9	0	5.87769	inf	0.001	5.87869	12.521279	0.00014629	No
						Sp1	27.4905	5.63789	-2.28571	27.4915	5.63889	-2.2855025	0.00014629	No
						Sp110	155.66	68.0219	-1.19432	155.661	68.0229	-1.1943151	0.00491494	No
						Sp140	130.562	16.8993	-2.9497	130.563	16.9003	-2.9496254	0.00014629	No
						Sp2	15.5895	9.51557	-0.712217	15.5905	9.51657	-0.7121536	0.0309347	No
						Sp3	41.4453	10.5574	-1.97296	41.4463	10.5584	-1.9728521	0.00014629	No
						Sp4	9.46916	1.78782	-2.40504	9.47016	1.78882	-2.4043806	0.00014629	No
						Spa17	1.43831	46.9338	5.02818	1.43931	46.9348	5.02720875	0.00241835	No
						Spaca6	0.864164	12.4793	3.85209	0.865164	12.4803	3.85053517	0.00014629	No
						Spag1	0.362019	6.09101	4.07254	0.363019	6.09201	4.06880135	0.00041099	No
						Sparc	8.27999	80.9152	3.28871	8.28099	80.9162	3.28855341	0.00014629	No
						Spast	23.3452	10.6456	-1.13287	23.3462	10.6466	-1.132795	0.00138312	No
						Spata13	68.6187	5.81275	-3.56131	68.6197	5.81375	-3.5610819	0.00014629	No
						Spata17	0	2.90557	inf	0.001	2.90657	11.5051019	0.00014629	No
						Spata22	0.42439	2.63616	2.63497	0.42539	2.63716	2.63212708	0.0222999	No
						Spata24	0.818113	16.3046	4.31684	0.819113	16.3056	4.31516123	0.0288879	No
						Spata5	9.26495	3.59652	-1.36518	9.26595	3.59752	-1.3649362	0.00014629	No
						Spata6	21.4646	6.62082	-1.69688	21.4656	6.62182	-1.6967268	0.00014629	No
						Spata7	0.878969	17.5171	4.31681	0.879969	17.5181	4.3152498	0.00014629	No
						Spats2	12.1772	19.3447	0.667763	12.1782	19.3457	0.66771202	0.00405996	No
						Spats2l	0.0580412	11.0774	7.57632	0.0590412	11.0784	7.55181178	0.00028114	No
						Spcs1	178.68	111.629	-0.678671	178.681	111.63	-0.6786614	0.00078603	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Spcs2	82.6165	16.3328	-2.33865	82.6175	16.3338	-2.3385869	0.00014629	No
						Spcs3	62.1126	14.6517	-2.08382	62.1136	14.6527	-2.0837427	0.00014629	No
						Specc1	0.773834	5.7878	2.90292	0.774834	5.7888	2.90130515	0.00014629	No
						Specc1l	11.703	8.20434	-0.512423	11.704	8.20534	-0.5123667	0.0204477	No
						Spetex-2F	0	1.19894	inf	0.001	1.19994	10.2287466	0.00014629	No
						Sphk2	23.9308	42.0752	0.814101	23.9318	42.0762	0.81407551	0.00102864	No
						Sphkap	0	1.21591	inf	0.001	1.21691	10.2490068	0.00014629	No
						Spi1	2.37862	7.99073	1.7482	2.37962	7.99173	1.74777663	0.00066215	No
						Spib	3.78165	0.541302	-2.80451	3.78265	0.542302	-2.8022289	0.0358739	No
						Spink1	0	768.62	inf	0.001	768.621	19.5519129	0.00014629	No
						Spink8	0	1.23386	inf	0.001	1.23486	10.2701318	0.00014629	No
						Spint2	76.3499	611.091	3.00069	76.3509	611.092	3.00067253	0.00014629	No
						Spire1	1.35956	9.66386	2.82946	1.36056	9.66486	2.82854825	0.00014629	No
						Spns1	24.4472	120.495	2.30123	24.4482	120.496	2.3011851	0.00014629	No
						Spns2	5.6874	42.9747	2.91765	5.6884	42.9757	2.91742632	0.00014629	No
						Spns3	0.123763	6.39313	5.69087	0.124763	6.39413	5.67948602	0.00126596	No
						Spon1	0.333831	43.4366	7.02365	0.334831	43.4376	7.01936748	0.00014629	No
						Spop	47.5741	26.1083	-0.865668	47.5751	26.1093	-0.8656429	0.00014629	No
						Spp2	0	381.959	inf	0.001	381.96	18.543062	0.00014629	No
						SPPL2A	12.2546	3.83016	-1.67784	12.2556	3.83116	-1.6775879	0.00014629	No
						Spr	9.90821	62.4547	2.65611	9.90921	62.4557	2.65599129	0.00014629	No
						Sprr1a	0	37.0004	inf	0.001	37.0014	15.1752922	0.00014629	No
						Sprtn	8.76199	3.69378	-1.24616	8.76299	3.69478	-1.2459347	0.00014629	No
						Spry1	0.684863	11.984	4.12915	0.685863	11.985	4.12716567	0.00014629	No
						Spryd7	1.81318	30.5926	4.07659	1.81418	30.5936	4.07584037	0.00014629	No
						Spsb2	2.78621	8.90165	1.67577	2.78721	8.90265	1.67541313	0.00102864	No
						Spsb3	38.1047	90.5825	1.24926	38.1057	90.5835	1.24924147	0.00161718	No
						Sptbn2	0.0515943	2.96086	5.84266	0.0525943	2.96186	5.81545319	0.00078603	No
						Sptssb	0	4.53626	inf	0.001	4.53726	12.1476056	0.00014629	No
						Sqrdl	2.42344	14.0615	2.53662	2.42444	14.0625	2.53612964	0.00014629	No
						SQSTM1	128.616	223.507	0.797257	128.617	223.508	0.79724513	0.00014629	No
						Srbd1	11.8328	6.0826	-0.960037	11.8338	6.0836	-0.9599162	0.00207488	No
						Src	5.34024	22.299	2.062	5.34124	22.3	2.06179709	0.00014629	No
						Srcin1	67.2588	26.3265	-1.35321	67.2598	26.3275	-1.353174	0.00014629	No
						Srcrb4d	1.35023	5.64503	2.06377	1.35123	5.64603	2.06296353	0.00352183	No
						Srd5a1	0.579984	3.9078	2.75227	0.580984	3.9088	2.75015543	0.00014629	No
						Srd5a3	32.3041	6.29258	-2.35999	32.3051	6.29358	-2.3598091	0.00014629	No
						Sreb2	38.8069	11.6647	-1.73417	38.8079	11.6657	-1.7340775	0.00014629	No
						Srgap2	17.4566	8.49194	-1.03961	17.4576	8.49294	-1.0395193	0.00459197	No
						Srgap3	0.889683	2.96385	1.73611	0.890683	2.96485	1.73497515	0.00014629	No
						Srgn	196.549	19.5778	-3.3276	196.55	19.5788	-3.3275321	0.00014629	No
						Sri	118.925	71.2861	-0.738364	118.926	71.2871	-0.7383512	0.004167	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Srp68	48.6645	78.1117	0.68267	48.6655	78.1127	0.68265775	0.0378376	No
						Srp72	80.5935	33.2492	-1.27734	80.5945	33.2502	-1.2773184	0.00014629	No
						Srp9	40.0247	56.4852	0.496983	40.0257	56.4862	0.49697182	0.0227639	No
						Srpk2	24.5674	7.78629	-1.65774	24.5684	7.78729	-1.6576106	0.016989	No
						Srpr	41.1216	23.937	-0.780658	41.1226	23.938	-0.7806289	0.00138312	No
						Srrm1	103.753	39.3486	-1.39878	103.754	39.3496	-1.3987461	0.00014629	No
						Srrt	108.903	147.359	0.436297	108.904	147.36	0.43628802	0.0430673	No
						Srsf1	169.792	51.7277	-1.71476	169.793	51.7287	-1.7147401	0.00014629	No
						Srsf10	42.6751	14.9461	-1.51362	42.6761	14.9471	-1.5135627	0.00014629	No
						Srsf11	130.174	43.1398	-1.59335	130.175	43.1408	-1.5933276	0.00014629	No
						Srsf2	473.448	324.03	-0.547077	473.449	324.031	-0.5470772	0.0326142	No
						Srsf3	134.713	68.2517	-0.980955	134.714	68.2527	-0.9809418	0.00014629	No
						Srsf4	64.3106	46.084	-0.480791	64.3116	46.085	-0.4807817	0.020066	No
						Srsf5	982.011	200.139	-2.29474	982.012	200.14	-2.2947311	0.00014629	No
						Srsf6	144.231	35.6749	-2.0154	144.232	35.6759	-2.0153696	0.00014629	No
						Srsf7	192.29	67.6471	-1.50718	192.291	67.6481	-1.5071699	0.00014629	No
						Ss18	68.8453	34.4675	-0.998123	68.8463	34.4685	-0.9981006	0.00014629	No
						Ssb	129.876	49.9997	-1.37714	129.877	50.0007	-1.3771258	0.00014629	No
						Ssbp2	8.12304	23.0773	1.50638	8.12404	23.0783	1.50626771	0.00014629	No
						Ssbp3	128.137	24.4207	-2.39151	128.138	24.4217	-2.3914628	0.00014629	No
						Ssbp4	37.821	17.5365	-1.10883	37.822	17.5375	-1.1087826	0.00173187	No
						Ssh1	1.77145	2.64257	0.577007	1.77245	2.64357	0.5767426	0.0333042	No
						Ssh2	40.5162	3.67011	-3.4646	40.5172	3.67111	-3.4642462	0.00014629	No
						Ssna1	29.939	96.561	1.68942	29.94	96.562	1.68938134	0.00014629	No
						Sspo	0.0699916	6.69943	6.58071	0.0709916	6.70043	6.56046154	0.00014629	No
						Ssr1	37.8189	16.0097	-1.24016	37.8199	16.0107	-1.2401092	0.00014629	No
						Ssr4	218.984	73.5947	-1.57315	218.985	73.5957	-1.5731387	0.00014629	No
						Ssrp1	100.843	48.6056	-1.05291	100.844	48.6066	-1.0529011	0.00014629	No
						Sssca1	16.6147	27.8742	0.74647	16.6157	27.8752	0.74643508	0.00751085	No
						Sstr3	16.0716	2.56369	-2.64822	16.0726	2.56469	-2.647747	0.00014629	No
						Ssuh2	0	1.72956	inf	0.001	1.73056	10.7570232	0.00629035	No
						Ssx2ip	3.92071	7.03874	0.844203	3.92171	7.03974	0.84403929	0.00252712	No
						St13	44.8641	137.213	1.61278	44.8651	137.214	1.61276216	0.00014629	No
						St14	1.245	41.3586	5.05397	1.246	41.3596	5.05284626	0.00014629	No
						St3gal1	33.0018	2.7249	-3.59827	33.0028	2.7259	-3.5977839	0.00014629	No
						St3gal2	2.48157	10.5158	2.08323	2.48257	10.5168	2.08278949	0.00014629	No
						St3gal3	0.694204	11.1057	3.99979	0.695204	11.1067	3.99785004	0.00014629	No
						St3gal5	2.50499	43.2863	4.11103	2.50599	43.2873	4.11049125	0.00014629	No
						St3gal6	7.66593	53.972	2.81568	7.66693	53.973	2.81551697	0.00014629	No
						St5	0.167176	10.7161	6.00227	0.168176	10.7171	5.99379892	0.00041099	No
						St6gal1	38.504	25.4945	-0.59482	38.505	25.4955	-0.5948032	0.00448672	No
						St6galnac3	0.882455	31.1714	5.14256	0.883455	31.1724	5.14096877	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						St6galnac4	11.8327	8.20822	-0.527642	11.8337	8.20922	-0.5275842	0.0499148	No
						St6galnac5	0.886706	0	-inf	0.887706	0.001	-9.7939381	0.00041099	No
						ST7	2.57315	12.5709	2.28848	2.57415	12.5719	2.28803467	0.00014629	No
						St8sia1	63.5012	1.49693	-5.4067	63.5022	1.49793	-5.4057645	0.00014629	No
						St8sia4	22.4731	0.473111	-5.56988	22.4741	0.474111	-5.5668947	0.00014629	No
						St8sia6	9.48062	0.146911	-6.01197	9.48162	0.147911	-6.0023323	0.0123523	No
						Stag1	11.2054	4.6981	-1.25404	11.2064	4.6991	-1.2538665	0.00014629	No
						Stag2	45.1875	13.0571	-1.79109	45.1885	13.0581	-1.7910107	0.00014629	No
						Stam	6.0278	16.7065	1.47071	6.0288	16.7075	1.4705531	0.00014629	No
						Stampb	6.68841	24.4229	1.8685	6.68941	24.4239	1.86834271	0.00014629	No
						Stamppl1	22.1992	3.12844	-2.82699	22.2002	3.12944	-2.8265963	0.00014629	No
						Stap1	16.2782	1.294	-3.65304	16.2792	1.295	-3.6520058	0.00090728	No
						Stap2	0.086619	38.086	8.78036	0.087619	38.087	8.76383919	0.00014629	No
						Stard13	0.501807	2.68276	2.41851	0.502807	2.68376	2.41617902	0.00014629	No
						Stard4	8.50651	2.75496	-1.62653	8.50751	2.75596	-1.626182	0.00014629	No
						Stard8	0.0111176	17.613	10.6296	0.0121176	17.614	10.5054029	0.00566132	No
						Stat1	108.787	52.052	-1.06348	108.788	52.053	-1.0634662	0.027886	No
						Stat2	23.5656	13.0451	-0.853178	23.5666	13.0461	-0.853125	0.00014629	No
						Stat4	64.6042	3.86596	-4.06273	64.6052	3.86696	-4.0623785	0.00014629	No
						Stat5a	27.677	7.29955	-1.92281	27.678	7.30055	-1.9226626	0.00014629	No
						Stat5b	64.8108	7.05601	-3.19931	64.8118	7.05701	-3.1991275	0.00014629	No
						Stat6	46.7836	8.03612	-2.54143	46.7846	8.03712	-2.5412832	0.00014629	No
						Stau2	1.52806	12.9479	3.08295	1.52906	12.9489	3.08211262	0.00014629	No
						Steap2	0	19.1252	inf	0.001	19.1262	14.2232626	0.00014629	No
						Steap3	0.36467	1.32342	1.8596	0.36567	1.32442	1.85674653	0.0142084	No
						Stfa2	2.22272	0	-inf	2.22372	0.001	-11.118759	0.00014629	No
						Stim1	65.7978	5.28615	-3.63775	65.7988	5.28715	-3.6374991	0.00014629	No
						Stim2	20.8766	3.94178	-2.40497	20.8776	3.94278	-2.4046708	0.00014629	No
						Stip1	87.4791	60.7623	-0.525763	87.4801	60.7633	-0.5257546	0.00639443	No
						Stk10	95.2441	4.5117	-4.39989	95.2451	4.5127	-4.3995821	0.00014629	No
						Stk11ip	5.77077	10.3308	0.840112	5.77177	10.3318	0.84000591	0.00395247	No
						Stk16	19.8571	43.4478	1.12963	19.8581	43.4488	1.12958874	0.00014629	No
						Stk17b	251.896	8.8561	-4.83002	251.897	8.8571	-4.8298557	0.00014629	No
						Stk24	113.753	54.2296	-1.06875	113.754	54.2306	-1.0687382	0.00374149	No
						Stk32a	0	1.39005	inf	0.001	1.39105	10.4419586	0.00014629	No
						Stk32b	0	4.06079	inf	0.001	4.06179	11.9878999	0.00014629	No
						Stk36	0.161602	1.33792	3.04947	0.162602	1.33892	3.04165285	0.00028114	No
						Stk38	273.515	36.4121	-2.90913	273.516	36.4131	-2.9090958	0.00014629	No
						Stk4	64.1846	7.204	-3.15536	64.1856	7.205	-3.1551793	0.00014629	No
						Stmn1	94.3806	165.172	0.807405	94.3816	165.173	0.80740034	0.00014629	No
						Stom	45.975	10.0142	-2.1988	45.976	10.0152	-2.1986897	0.00014629	No
						Stoml2	53.9342	128.617	1.2538	53.9352	128.618	1.25379352	0.00066215	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Stra6	0.539897	4.60428	3.09222	0.540897	4.60528	3.08986307	0.00014629	No
						Stradb	7.11818	36.6361	2.36369	7.11918	36.6371	2.36352233	0.00184429	No
						Strn	18.5523	6.49667	-1.51382	18.5533	6.49767	-1.5136814	0.00014629	No
						Strn3	25.7149	12.856	-1.00015	25.7159	12.857	-1.0001066	0.00102864	No
						Sts	5.70667	23.7994	2.0602	5.70767	23.8004	2.06001199	0.00014629	No
						Stt3a	17.595	11.855	-0.56967	17.596	11.856	-0.5696302	0.0172634	No
						Stt3b	33.5435	15.3941	-1.12366	33.5445	15.3951	-1.123605	0.00014629	No
						Stx12	10.5262	24.4647	1.21672	10.5272	24.4657	1.2166388	0.00014629	No
						Stx18	14.9105	40.1855	1.43035	14.9115	40.1865	1.43028554	0.00014629	No
						Stx1a	11.7175	5.30829	-1.14235	11.7185	5.30929	-1.1421971	0.00014629	No
						Stx6	51.5351	14.513	-1.82821	51.5361	14.514	-1.8281382	0.00014629	No
						Stx7	15.6408	68.568	2.13222	15.6418	68.569	2.13214994	0.00014629	No
						Stx8	35.0322	75.283	1.10364	35.0332	75.284	1.10362051	0.00014629	No
						Stxbp1	2.36941	5.95231	1.32892	2.37041	5.95331	1.3285554	0.00555587	No
						Stxbp4	1.52038	22.4175	3.88212	1.52138	22.4185	3.8812373	0.00014629	No
						Stxbp5	14.0799	26.7044	0.923434	14.0809	26.7054	0.92339194	0.00014629	No
						Stxbp6	0	3.49286	inf	0.001	3.49386	11.7706061	0.00014629	No
						Styx	29.1546	5.82437	-2.32355	29.1556	5.82537	-2.3233514	0.00066215	No
						Styx11	1.53585	4.33882	1.49826	1.53685	4.33982	1.49765884	0.0159399	No
						SUB1	57.9877	32.0273	-0.856443	57.9887	32.0283	-0.8564246	0.00014629	No
						Sucla2	32.5311	76.4055	1.23186	32.5321	76.4065	1.23183142	0.00014629	No
						Suclg1	77.4771	329.715	2.08937	77.4781	329.716	2.08936342	0.00014629	No
						Suclg2	61.651	186.558	1.59743	61.652	186.559	1.59741236	0.00014629	No
						Suco	20.6134	12.8163	-0.685608	20.6144	12.8173	-0.6855601	0.00689996	No
						Suds3	39.0693	58.5917	0.584658	39.0703	58.5927	0.5846486	0.00274649	No
						Sufu	8.04723	13.2862	0.723359	8.04823	13.2872	0.72329368	0.0114542	No
						Sugt1	23.7938	38.5766	0.697142	23.7948	38.5776	0.69711706	0.00263402	No
						Sulf2	0.111664	15.6947	7.13497	0.112664	15.6957	7.12219896	0.00014629	No
						Sult1a1	0.470697	21.8514	5.53678	0.471697	21.8524	5.5337875	0.0089386	No
						Sult1b1	0	46.4781	inf	0.001	46.4791	15.5042945	0.00014629	No
						Sult1c2	0	192.469	inf	0.001	192.47	17.5542741	0.00014629	No
						Sult1c2	0	189.757	inf	0.001	189.758	17.5338012	0.00014629	No
						Sult1c2a	0.00474758	371.732	16.2567	0.00574758	371.733	15.9809526	0.00934853	No
						Sumf2	7.72211	17.0167	1.13988	7.72311	17.0177	1.13978224	0.00041099	No
						Sumo1	119.022	88.2607	-0.431381	119.023	88.2617	-0.4313809	0.0309347	No
						Sumo2l	177.617	86.0815	-1.04499	177.618	86.0825	-1.0449859	0.00014629	No
						Sumo3	48.6371	86.4648	0.830057	48.6381	86.4658	0.83004274	0.00014629	No
						Sun2	87.4204	21.1448	-2.04767	87.4214	21.1458	-2.0476153	0.00014629	No
						Sun3	0.296331	1.90211	2.68232	0.297331	1.90311	2.67821716	0.0264168	No
						Suox	0.185898	37.6422	7.66169	0.186898	37.6432	7.65399433	0.00014629	No
						Supt16h	46.7791	29.7714	-0.651935	46.7801	29.7724	-0.6519194	0.0132409	No
						Supt20	47.3894	32.7832	-0.53161	47.3904	32.7842	-0.5315941	0.0337348	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Supt3h	6.9029	16.9604	1.29689	6.9039	16.9614	1.29677178	0.00618538	No
						Supt4h1	120.822	65.1983	-0.889972	120.823	65.1993	-0.8899667	0.00014629	No
						Supt6h	27.2479	17.8462	-0.61053	27.2489	17.8472	-0.6105002	0.0125475	No
						Supt7l	4.00325	7.98816	0.996693	4.00425	7.98916	0.99651177	0.00161718	No
						Supv3l1	54.2294	98.0368	0.854248	54.2304	98.0378	0.8542363	0.00438237	No
						Surf1	3.05758	5.75421	0.912228	3.05858	5.75521	0.91200656	0.0183831	No
						Surf2	28.9482	68.5521	1.24373	28.9492	68.5531	1.24369843	0.00014629	No
						Suv39h1	15.571	3.00029	-2.37569	15.572	3.00129	-2.3752996	0.00014629	No
						Suv39h2	1.43275	0.229196	-2.64413	1.43375	0.230196	-2.6388588	0.00138312	No
						Suv420h1	24.249	6.02503	-2.00888	24.25	6.02603	-2.008705	0.00014629	No
						Suz12	32.7097	6.85012	-2.25552	32.7107	6.85112	-2.2553509	0.00014629	No
						Sv2a	6.03576	3.60444	-0.743759	6.03676	3.60544	-0.7435991	0.024968	No
						Sv2b	21.2647	0.150267	-7.14478	21.2657	0.151267	-7.1352872	0.0245946	No
						Svil	16.5502	3.50926	-2.23761	16.5512	3.51026	-2.237286	0.00014629	No
						Svip	1.85372	19.1178	3.36642	1.85472	19.1188	3.36571866	0.00659461	No
						Swap70	3.33361	19.2351	2.52859	3.33461	19.2361	2.52822639	0.00014629	No
						Swsap1	3.92824	6.33852	0.690263	3.92924	6.33952	0.69012332	0.0484417	No
						Swt1	11.2657	7.2222	-0.641431	11.2667	7.2232	-0.641355	0.0143989	No
						Syap1	18.0994	31.159	0.78371	18.1004	31.16	0.78367365	0.0390364	No
						Syde2	0.126273	6.94564	5.78149	0.127273	6.94664	5.77031703	0.00014629	No
						Syf2	138.499	105.483	-0.392861	138.5	105.484	-0.3928618	0.0479113	No
						Syncrip	118.632	41.4017	-1.51873	118.633	41.4027	-1.5187086	0.00544794	No
						Syng1	1.48367	15.7802	3.41088	1.48467	15.7812	3.40999271	0.00014629	No
						SYNGR2	21.9559	54.0685	1.30018	21.9569	54.0695	1.30014063	0.00014629	No
						Synj1	16.4166	5.6374	-1.54205	16.4176	5.6384	-1.5418855	0.00014629	No
						Synj2bp	17.8046	66.4823	1.90072	17.8056	66.4833	1.90066094	0.00014629	No
						Syt11	6.10415	0.96113	-2.66699	6.10515	0.96213	-2.665723	0.00014629	No
						Syt8	0	1.86267	inf	0.001	1.86367	10.8639307	0.00014629	No
						Sytl1	81.0389	25.8093	-1.65072	81.0399	25.8103	-1.6506855	0.00014629	No
						Tab1	10.0644	19.0344	0.919342	10.0654	19.0354	0.91928038	0.00014629	No
						Tab2	103.763	13.5276	-2.93932	103.764	13.5286	-2.9392215	0.00014629	No
						Tab3	5.216	1.50183	-1.79622	5.217	1.50283	-1.7955386	0.00014629	No
						Tacc2	9.436	64.4797	2.7726	9.437	64.4807	2.7724672	0.00014629	No
						Tacc3	49.6184	7.65335	-2.69671	49.6194	7.65435	-2.6965525	0.00090728	No
						Taco1	1.76497	4.59072	1.37908	1.76597	4.59172	1.37857384	0.0218441	No
						Tacstd2	0	31.83	inf	0.001	31.831	14.9581449	0.00014629	No
						Tada2b	20.1307	9.91246	-1.02208	20.1317	9.91346	-1.0220084	0.00014629	No
						Tada3	28.9198	51.878	0.843062	28.9208	51.879	0.84304321	0.00138312	No
						Taf1	18.9792	3.55394	-2.41693	18.9802	3.55494	-2.4165981	0.00014629	No
						Taf11	12.9815	25.1529	0.954268	12.9825	25.1539	0.95421388	0.00066215	No
						Taf12	34.1042	17.7658	-0.940845	34.1052	17.7668	-0.9408079	0.00053701	No
						Taf1a	3.68765	1.53222	-1.26707	3.68865	1.53322	-1.2665282	0.00994441	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Taf1b	8.41619	2.76588	-1.60543	8.41719	2.76688	-1.6050786	0.00014629	No
						Taf2	10.4368	4.06077	-1.36185	10.4378	4.06177	-1.3616372	0.00014629	No
						Taf4a	25.3736	8.61315	-1.55872	25.3746	8.61415	-1.5586047	0.00014629	No
						Taf4b	4.39549	8.39475	0.933463	4.39649	8.39575	0.93330702	0.00173187	No
						Taf5l	17.803	6.19247	-1.52353	17.804	6.19347	-1.5233816	0.00014629	No
						TAF6	20.2074	8.93693	-1.17703	20.2084	8.93793	-1.1769424	0.00659461	No
						Taf7	17.7022	6.11258	-1.53408	17.7032	6.11358	-1.5339208	0.00014629	No
						Taf8	17.8193	8.21035	-1.11793	17.8203	8.21135	-1.1178303	0.00014629	No
						TAF9	113.605	61.4542	-0.886446	113.606	61.4552	-0.886432	0.00014629	No
						Tagap	89.4048	6.32773	-3.82059	89.4058	6.32873	-3.8203805	0.00014629	No
						Taldo1	80.7733	231.943	1.52182	80.7743	231.944	1.52180828	0.00914429	No
						Tanc1	0.76355	17.7646	4.54014	0.76455	17.7656	4.53833175	0.00014629	No
						Tanc2	14.0829	38.0402	1.43358	14.0839	38.0412	1.43351587	0.00491494	No
						Tango2	9.73039	47.195	2.27807	9.73139	47.196	2.2779468	0.00014629	No
						Tank	47.2659	4.06624	-3.53903	47.2669	4.06724	-3.5387082	0.00014629	No
						Taok1	28.0819	8.39384	-1.74224	28.0829	8.39484	-1.7421172	0.00014629	No
						Tap1	52.3308	13.5524	-1.94911	52.3318	13.5534	-1.9490331	0.00014629	No
						Tapbpl	49.2231	4.53983	-3.43862	49.2241	4.54083	-3.4383369	0.00014629	No
						Tapt1	29.5275	10.1176	-1.5452	29.5285	10.1186	-1.5450984	0.00014629	No
						Tardbp	110.464	51.473	-1.10169	110.465	51.474	-1.1016735	0.00014629	No
						Tars2	21.7621	34.4166	0.661282	21.7631	34.4176	0.66126243	0.011151	No
						Tarsl2	3.88897	2.07652	-0.905219	3.88997	2.07752	-0.9048967	0.0434133	No
						Tas1r1	1.36796	15.8197	3.53162	1.36896	15.8207	3.53066124	0.00014629	No
						Tas1r2	17.9089	69.4423	1.95514	17.9099	69.4433	1.95507823	0.00014629	No
						Tax1bp1	134.164	72.8519	-0.880961	134.165	72.8529	-0.8809501	0.00014629	No
						Tax1bp3	4.76419	47.8935	3.32953	4.76519	47.8945	3.32925435	0.00014629	No
						Tbc1d10a	18.1075	57.7882	1.67419	18.1085	57.7892	1.67413285	0.00014629	No
						Tbc1d13	8.32996	36.1634	2.11815	8.33096	36.1644	2.11801556	0.00014629	No
						Tbc1d15	44.2651	10.1467	-2.12515	44.2661	10.1477	-2.1250495	0.00014629	No
						Tbc1d16	11.1057	6.97541	-0.670955	11.1067	6.97641	-0.6708735	0.00149937	No
						Tbc1d17	39.4992	163.605	2.05032	39.5002	163.606	2.05029379	0.00014629	No
						Tbc1d19	0.948557	11.6095	3.61342	0.949557	11.6105	3.61203169	0.00014629	No
						Tbc1d2	0.887701	4.82707	2.443	0.888701	4.82807	2.44167658	0.00014629	No
						Tbc1d20	103.427	23.8039	-2.11934	103.428	23.8049	-2.1192963	0.00014629	No
						Tbc1d23	14.4156	7.63293	-0.917323	14.4166	7.63393	-0.9172331	0.00014629	No
						Tbc1d24	1.85448	0.64585	-1.52174	1.85548	0.64685	-1.5202893	0.00184429	No
						Tbc1d25	13.9264	5.69472	-1.29013	13.9274	5.69572	-1.2899758	0.00014629	No
						Tbc1d2b	11.8699	1.70927	-2.79586	11.8709	1.71027	-2.7951333	0.00014629	No
						Tbc1d30	5.8581	2.36817	-1.30666	5.8591	2.36917	-1.3062974	0.00576532	No
						Tbc1d4	27.5783	7.31596	-1.91442	27.5793	7.31696	-1.9142696	0.00014629	No
						Tbc1d5	10.8447	3.69205	-1.5545	10.8457	3.69305	-1.5542385	0.00014629	No
						Tbc1d8	0.595072	4.59453	2.94878	0.596072	4.59553	2.94667275	0.0187462	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tbca	239.401	330.698	0.466087	239.402	330.699	0.46608348	0.027886	No
						Tbcd	18.2038	41.2249	1.17927	18.2048	41.2259	1.1792321	0.0378376	No
						Tbk1	19.4455	10.0229	-0.956136	19.4465	10.0239	-0.9560666	0.00014629	No
						Tbl1x	21.9648	8.23262	-1.41577	21.9658	8.23362	-1.4156603	0.00014629	No
						Tbl1xr1	24.2888	6.85224	-1.82564	24.2898	6.85324	-1.8254925	0.00014629	No
						Tbrg4	21.9324	34.7489	0.6639	21.9334	34.7499	0.66387936	0.00974684	No
						Tbx19	3.03881	1.50703	-1.0118	3.03981	1.50803	-1.011316	0.0321606	No
						Tbxas1	0.195818	4.98889	4.67114	0.196818	4.98989	4.66407394	0.0185598	No
						Tc2n	0	2.32316	inf	0.001	2.32416	11.1824937	0.00014629	No
						Tcaim	7.37048	28.4007	1.9461	7.37148	28.4017	1.94595108	0.00014629	No
						Tcea1	82.55	40.4094	-1.03058	82.551	40.4104	-1.0305591	0.00014629	No
						Tcea3	0	81.4563	inf	0.001	81.4573	16.3137564	0.00014629	No
						Tceal8	9.61731	64.2276	2.73949	9.61831	64.2286	2.73936052	0.00014629	No
						Tceb2	234.118	627.155	1.42158	234.119	627.156	1.42158232	0.00014629	No
						Tcerg1	70.3248	12.5968	-2.48098	70.3258	12.5978	-2.4808822	0.00014629	No
						Tcf21	0	3.2754	inf	0.001	3.2764	11.6778958	0.00014629	No
						Tcf25	73.7855	178.581	1.27517	73.7865	178.582	1.27515788	0.00014629	No
						Tcf3	60.991	26.7114	-1.19114	60.992	26.7124	-1.1911104	0.00014629	No
						Tcf4	6.19928	2.21897	-1.48221	6.20028	2.21997	-1.4817932	0.00884407	No
						TCF7	646.372	8.29452	-6.28406	646.373	8.29552	-6.2838907	0.00014629	No
						Tcf7l2	0.203517	5.41272	4.73313	0.204517	5.41372	4.7263276	0.00014629	No
						Tcn2	5.38327	55.3498	3.36202	5.38427	55.3508	3.36178151	0.00014629	No
						Tcof1	28.0593	10.2948	-1.44655	28.0603	10.2958	-1.4464745	0.00014629	No
						Tcp11l2	106.068	17.3344	-2.61329	106.069	17.3354	-2.61321	0.00014629	No
						TCRB	2130.78	118.586	-4.16738	2130.781	118.587	-4.1673646	0.00014629	No
						Tctn1	1.44573	8.8092	2.60722	1.44673	8.8102	2.60637907	0.00014629	No
						Tdg	22.2624	12.3287	-0.852592	22.2634	12.3297	-0.8525362	0.00014629	No
						Tdp1	4.74834	1.78438	-1.412	4.74934	1.78538	-1.4114959	0.00102864	No
						Tdp2	53.8447	22.4061	-1.26492	53.8457	22.4071	-1.2648752	0.00014629	No
						TDRD3	8.88319	16.8766	0.925878	8.88419	16.8776	0.92579761	0.00041099	No
						Tecpr1	46.6942	17.0174	-1.45623	46.6952	17.0184	-1.4561788	0.00014629	No
						Tef	3.15607	13.9286	2.14185	3.15707	13.9296	2.14149568	0.00014629	No
						Tefm	2.62573	9.84541	1.90673	2.62673	9.84641	1.9063299	0.00014629	No
						Tekt1	0	3.70654	inf	0.001	3.70754	11.8562465	0.00014629	No
						Tenc1	0.0490927	6.71021	7.0947	0.0500927	6.71121	7.06582872	0.00448672	No
						Tenm3	0	1.73726	inf	0.001	1.73826	10.7634282	0.00014629	No
						Terf1	18.479	10.2533	-0.849796	18.48	10.2543	-0.8497357	0.00126596	No
						Terf2	22.1354	11.6857	-0.921609	22.1364	11.6867	-0.921553	0.00102864	No
						Tert	2.12371	0.89868	-1.24071	2.12471	0.89968	-1.2397821	0.0260584	No
						Tes	41.5812	8.29405	-2.32578	41.5822	8.29505	-2.3256435	0.00014629	No
						Tesk1	5.98021	13.0907	1.13028	5.98121	13.0917	1.13014317	0.00014629	No
						Tet1	1.03252	0.0669987	-3.94589	1.03352	0.0679987	-3.9259153	0.0448712	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tet2	5.73062	2.0874	-1.45698	5.73162	2.0884	-1.4565449	0.00307875	No
						Tet3	26.688	5.59947	-2.25283	26.689	5.60047	-2.2526254	0.00014629	No
						Tex10	18.1235	4.4888	-2.01346	18.1245	4.4898	-2.0132181	0.00014629	No
						Tex14	0.40095	19.5256	5.6058	0.40195	19.5266	5.60228091	0.00014629	No
						Tex2	28.8034	10.4444	-1.46351	28.8044	10.4454	-1.4634215	0.00014629	No
						Tex26	0	7.43738	inf	0.001	7.43838	12.8607727	0.00014629	No
						Tex264	33.9997	120.784	1.82884	34.0007	120.785	1.82880495	0.00014629	No
						Tex36	0	21.8714	inf	0.001	21.8724	14.4168239	0.00014629	No
						Tex9	15.9403	31.3228	0.97453	15.9413	31.3238	0.97448996	0.0403386	No
						Tf	9.02554	13.8445	0.61723	9.02654	13.8455	0.61717216	0.0110564	No
						Tfam	47.9723	30.4713	-0.654751	47.9733	30.4723	-0.6547333	0.00173187	No
						Tfap2b	0	9.60602	inf	0.001	9.60702	13.2298733	0.00014629	No
						Tfdp2	2.61616	6.52233	1.31794	2.61716	6.52333	1.31760649	0.00014629	No
						Tfeb	22.6197	37.2814	0.720877	22.6207	37.2824	0.72085116	0.00053701	No
						Tff3	0	249.413	inf	0.001	249.414	17.9281829	0.00014629	No
						Tfg	15.886	23.7254	0.578681	15.887	23.7264	0.5786465	0.0140162	No
						Tfip11	15.4491	21.7768	0.495266	15.4501	21.7778	0.49524204	0.0356089	No
						Tfpi	2.78572	12.0963	2.11844	2.78672	12.0973	2.11804513	0.00318982	No
						Tfrc	19.2081	4.22401	-2.18503	19.2091	4.22501	-2.1847633	0.00014629	No
						Tgfb1	96.1717	14.6327	-2.71642	96.1727	14.6337	-2.7163328	0.00014629	No
						Tgfr1	8.34194	3.64577	-1.19416	8.34294	3.64677	-1.1939367	0.00014629	No
						Tgfr2	35.8703	9.33527	-1.94203	35.8713	9.33627	-1.9419118	0.00014629	No
						Tgfr3	0.261204	6.58301	4.6555	0.262204	6.58401	4.65020493	0.00014629	No
						Tgif1	33.2868	18.6204	-0.838068	33.2878	18.6214	-0.838032	0.00014629	No
						Tgm3	0	2.49377	inf	0.001	2.49477	11.2846911	0.00014629	No
						Tgs1	6.96553	2.36361	-1.55924	6.96653	2.36461	-1.558838	0.00014629	No
						Tha1	2.7457	9.93791	1.85577	2.7467	9.93891	1.8553883	0.00014629	No
						Thada	7.63602	14.6688	0.941857	7.63702	14.6698	0.9417675	0.0239709	No
						Thap3	11.9951	34.4736	1.52305	11.9961	34.4746	1.52296836	0.00090728	No
						Thap4	10.5448	155.898	3.886	10.5458	155.899	3.88587123	0.00014629	No
						Thap7	8.78604	20.3561	1.21217	8.78704	20.3571	1.21208289	0.00014629	No
						Thbs1	0.188999	74.0222	8.61344	0.189999	74.0232	8.60584187	0.00014629	No
						Thbs4	0	1.06712	inf	0.001	1.06812	10.060858	0.00014629	No
						Them6	8.69495	21.8376	1.32857	8.69595	21.8386	1.32846482	0.00053701	No
						Them7	0	4.91442	inf	0.001	4.91542	12.263099	0.0152626	No
						Thns12	0.744223	185.282	7.95977	0.745223	185.283	7.9578426	0.00014629	No
						Thoc2	23.8457	5.31965	-2.16432	23.8467	5.32065	-2.1641152	0.00014629	No
						Thoc3	24.1213	12.6765	-0.928145	24.1223	12.6775	-0.9280972	0.00014629	No
						Thop1	4.07241	8.99862	1.14382	4.07341	8.99962	1.14362705	0.00014629	No
						Thra	12.7212	38.8578	1.61097	12.7222	38.8588	1.61089318	0.00138312	No
						Thrap3	70.3261	21.88	-1.68444	70.3271	21.881	-1.6844021	0.00014629	No
						Thrb	3.9771	8.123	1.0303	3.9781	8.124	1.0301107	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Thumpd3	12.6797	8.10875	-0.644969	12.6807	8.10975	-0.644905	0.0220286	No
						Tia1	31.3851	7.49884	-2.06534	31.3861	7.49984	-2.065194	0.00014629	No
						Tial1	72.9093	20.2853	-1.84567	72.9103	20.2863	-1.8456169	0.00014629	No
						Tie1	1.91577	11.6794	2.60797	1.91677	11.6804	2.60734054	0.00014629	No
						Tigd2	23.8664	5.02396	-2.24809	23.8674	5.02496	-2.2478574	0.00014629	No
						Tigd3	0.560058	1.89415	1.7579	0.561058	1.89515	1.75609022	0.0210052	No
						Timd2	0.738022	17.7402	4.58721	0.739022	17.7412	4.58534247	0.00014629	No
						Timm10	14.7519	48.3047	1.71126	14.7529	48.3057	1.71119486	0.00014629	No
						TIMM10B	11.4083	33.5509	1.55626	11.4093	33.5519	1.55618419	0.00014629	No
						Timm13	57.7533	221.679	1.9405	57.7543	221.68	1.94047835	0.00014629	No
						Timm17a	32.1527	104.927	1.70637	32.1537	104.928	1.70634305	0.00014629	No
						Timm21	11.3648	31.0513	1.45009	11.3658	31.0523	1.4500009	0.00014629	No
						Timm22	9.43765	28.0738	1.57273	9.43865	28.0748	1.57262331	0.00014629	No
						Timm44	20.5298	41.163	1.00363	20.5308	41.164	1.00359333	0.00014629	No
						Timm8b	26.2009	321.399	3.61667	26.2019	321.4	3.61662659	0.00014629	No
						Timp2	0.550103	28.0033	5.66975	0.551103	28.0043	5.66718258	0.00014629	No
						Timp3	0.0218934	296.924	13.7273	0.0228934	296.925	13.6628792	0.00523722	No
						Timp4	0	2.84284	inf	0.001	2.84384	11.4736246	0.00014629	No
						Tiparp	21.1837	8.97395	-1.23914	21.1847	8.97495	-1.2390469	0.00014629	No
						Tjp1	0.0913463	7.53282	6.3657	0.0923463	7.53382	6.3501836	0.00014629	No
						Tjp2	0.0476781	18.2903	8.58354	0.0486781	18.2913	8.55366904	0.00173187	No
						Tjp3	0.878978	19.3021	4.45679	0.879978	19.3031	4.45522129	0.00014629	No
						Tkt	71.4022	166.373	1.22038	71.4032	166.374	1.22036936	0.00014629	No
						Tlcd1	0.97083	31.0003	4.99692	0.97183	31.0013	4.99548094	0.00014629	No
						Tle3	58.2429	14.0629	-2.05018	58.2439	14.0639	-2.0501102	0.00014629	No
						Tle4	30.7265	6.24782	-2.29806	30.7275	6.24882	-2.2978747	0.00014629	No
						Tlk2	22.7415	14.1635	-0.683152	22.7425	14.1645	-0.6831112	0.0423845	No
						Tln1	63.2068	19.5683	-1.69156	63.2078	19.5693	-1.6915105	0.00014629	No
						Tln2	0.0155395	18.0661	10.1831	0.0165395	18.0671	10.0932336	0.0148843	No
						Tlr12	0	2.53401	inf	0.001	2.53501	11.3077757	0.00014629	No
						Tlr3	0.715381	6.29203	3.13674	0.716381	6.29303	3.13495584	0.00014629	No
						Tm2d1	13.4598	32.859	1.28763	13.4608	32.86	1.28756833	0.00833592	No
						Tm2d2	18.5071	35.0383	0.920856	18.5081	35.0393	0.92081715	0.00014629	No
						Tm2d3	8.34338	37.5791	2.17123	8.34438	37.5801	2.17109214	0.00984666	No
						Tm7sf2	19.4822	50.242	1.36673	19.4832	50.243	1.36669196	0.00438237	No
						Tm9sf2	15.3236	38.4067	1.32561	15.3246	38.4077	1.32554615	0.00014629	No
						Tm9sf3	59.3993	32.8395	-0.855013	59.4003	32.8405	-0.8549941	0.00014629	No
						Tmbim1	1.71148	22.9252	3.74362	1.71248	22.9262	3.74283821	0.0277051	No
						Tmbim4	78.3595	52.1059	-0.58866	78.3605	52.1069	-0.5886522	0.00629035	No
						Tmc3	0	16.1996	inf	0.001	16.2006	13.9837596	0.00014629	No
						Tmc6	103.628	37.7233	-1.45789	103.629	37.7243	-1.4578618	0.00138312	No
						Tmcc1	16.651	4.26693	-1.96434	16.652	4.26793	-1.964087	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmcc3	1.19001	3.58437	1.59074	1.19101	3.58537	1.58993648	0.00014629	No
						Tmed10	75.7569	35.8622	-1.07891	75.7579	35.8632	-1.0788921	0.00014629	No
						Tmed2	119.782	66.961	-0.839014	119.783	66.962	-0.8390086	0.00014629	No
						Tmed5	16.2152	2.79311	-2.5374	16.2162	2.79411	-2.5369751	0.00014629	No
						Tmed6	0.147644	37.3261	7.98192	0.148644	37.3271	7.97221839	0.0425528	No
						Tmed8	12.4595	1.67801	-2.89242	12.4605	1.67901	-2.8916792	0.0307655	No
						Tmem106a	1.99316	125.008	5.97082	1.99416	125.009	5.97010699	0.00014629	No
						Tmem106c	4.77067	18.0258	1.9178	4.77167	18.0268	1.91757714	0.00014629	No
						Tmem107	0.42774	11.8486	4.79184	0.42874	11.8496	4.78859153	0.00053701	No
						Tmem108	0.06237	1.36688	4.45389	0.06337	1.36788	4.43199785	0.0107557	No
						TMEM11	14.1309	36.9287	1.38589	14.1319	36.9297	1.3858261	0.00014629	No
						Tmem116	0.0732239	6.7066	6.51712	0.0742239	6.7076	6.49776904	0.00274649	No
						Tmem117	0.148356	6.6536	5.487	0.149356	6.6546	5.47752485	0.00053701	No
						Tmem120a	11.6276	34.9861	1.58922	11.6286	34.9871	1.58914567	0.00014629	No
						Tmem123	140.455	63.3512	-1.14867	140.456	63.3522	-1.1486516	0.00014629	No
						Tmem125	0	16.5709	inf	0.001	16.5719	14.0164514	0.00014629	No
						Tmem126b	11.9894	20.2018	0.75273	11.9904	20.2028	0.75267547	0.0327003	No
						Tmem128	31.4047	21.2801	-0.561476	31.4057	21.2811	-0.5614537	0.0413006	No
						Tmem132a	0.508957	9.32248	4.1951	0.509957	9.32348	4.19242103	0.00014629	No
						Tmem135	6.2047	16.3828	1.40075	6.2057	16.3838	1.40060415	0.00014629	No
						Tmem138	1.45916	7.00198	2.26263	1.46016	7.00298	2.2618425	0.0210052	No
						Tmem141	12.5829	32.7557	1.38028	12.5839	32.7567	1.38021091	0.00014629	No
						TMEM144	2.32846	9.42549	2.01719	2.32946	9.42649	2.01672512	0.00014629	No
						Tmem145	0	3.28473	inf	0.001	3.28573	11.6819982	0.00639443	No
						Tmem14a	9.73569	18.641	0.937127	9.73669	18.642	0.93705333	0.00318982	No
						Tmem154	60.5151	3.50523	-4.10971	60.5161	3.50623	-4.1093265	0.00014629	No
						Tmem156	54.5923	4.31341	-3.6618	54.5933	4.31441	-3.6614887	0.0138196	No
						Tmem160	40.896	61.9177	0.59839	40.897	61.9187	0.59838016	0.0247814	No
						Tmem161b	14.7085	8.99149	-0.710015	14.7095	8.99249	-0.7099557	0.0244119	No
						Tmem164	12.7264	3.49273	-1.86539	12.7274	3.49373	-1.8650977	0.00014629	No
						Tmem167a	35.6277	19.4088	-0.876292	35.6287	19.4098	-0.8762546	0.00028114	No
						Tmem169	0	3.89158	inf	0.001	3.89258	11.926511	0.00438237	No
						Tmem17	1.14554	6.8632	2.58286	1.14654	6.8642	2.5818049	0.00161718	No
						Tmem170a	3.97393	5.90296	0.570872	3.97493	5.90396	0.57075349	0.0406144	No
						Tmem170b	6.34929	2.11577	-1.58541	6.35029	2.11677	-1.584958	0.0135258	No
						Tmem173	143.436	18.2003	-2.97838	143.437	18.2013	-2.9783038	0.00014629	No
						Tmem176a	4.33614	41.1023	3.24474	4.33714	41.1033	3.24443831	0.00014629	No
						Tmem176b	4.07308	75.1327	4.20525	4.07408	75.1337	4.20491394	0.00014629	No
						Tmem183a	35.3853	80.4335	1.18465	35.3863	80.4345	1.18462351	0.00014629	No
						Tmem185b	5.32214	9.95654	0.903639	5.32314	9.95754	0.90351186	0.00102864	No
						Tmem19	13.0917	8.35192	-0.648472	13.0927	8.35292	-0.6484101	0.0208247	No
						Tmem194	4.51187	0.608452	-2.89051	4.51287	0.609452	-2.8884607	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem194b	21.1025	2.0478	-3.36527	21.1035	2.0488	-3.3646312	0.00014629	No
						Tmem2	0.135357	2.99668	4.46852	0.136357	2.99768	4.45838572	0.00014629	No
						Tmem201	4.14707	1.55483	-1.41533	4.14807	1.55583	-1.4147558	0.0185598	No
						Tmem204	30.6147	2.67132	-3.5186	30.6157	2.67232	-3.518107	0.0135258	No
						Tmem205	3.12443	59.037	4.23995	3.12543	59.038	4.23951725	0.00014629	No
						Tmem206	7.50249	18.1659	1.27579	7.50349	18.1669	1.27567858	0.00014629	No
						Tmem207	0	43.6453	inf	0.001	43.6463	15.4135717	0.00014629	No
						Tmem209	23.4554	14.4824	-0.695616	23.4564	14.4834	-0.6955813	0.00689996	No
						Tmem213	0	190.615	inf	0.001	190.616	17.5403097	0.00014629	No
						Tmem216	6.34094	17.6009	1.47288	6.34194	17.6019	1.47273503	0.00041099	No
						Tmem218	6.08581	12.6167	1.05182	6.08681	12.6177	1.05169072	0.00318982	No
						Tmem221	0	1.92072	inf	0.001	1.92172	10.9081824	0.00014629	No
						Tmem229b	27.5493	1.40517	-4.2932	27.5503	1.40617	-4.2922251	0.00014629	No
						Tmem237	1.57453	9.59317	2.60709	1.57553	9.59417	2.60632078	0.00014629	No
						Tmem238	2.02086	35.5097	4.13518	2.02186	35.5107	4.13449879	0.00014629	No
						Tmem240	1.16744	0	-inf	1.16844	0.001	-10.190368	0.00014629	No
						Tmem243	67.3657	32.4649	-1.05314	67.3667	32.4659	-1.0531104	0.00296747	No
						Tmem245	11.485	3.11141	-1.88411	11.486	3.11241	-1.8837724	0.00014629	No
						Tmem25	0.509563	15.2282	4.90134	0.510563	15.2292	4.89860736	0.00014629	No
						Tmem254	43.2471	18.475	-1.22703	43.2481	18.476	-1.2269843	0.00014629	No
						Tmem256	30.933	176.877	2.51552	30.934	176.878	2.51548932	0.00014629	No
						Tmem27	0	274.165	inf	0.001	274.166	18.0646901	0.00014629	No
						Tmem30a	40.0952	21.4719	-0.900981	40.0962	21.4729	-0.9009485	0.00014629	No
						Tmem37	0.253445	61.4279	7.92108	0.254445	61.4289	7.9154199	0.0166081	No
						Tmem38a	0.911445	7.2923	3.00015	0.912445	7.2933	2.99876223	0.00014629	No
						Tmem38b	5.02436	11.907	1.24479	5.02536	11.908	1.24463227	0.00014629	No
						Tmem41a	7.18696	21.4579	1.57806	7.18796	21.4589	1.57792184	0.00014629	No
						Tmem42	13.6844	31.6616	1.2102	13.6854	31.6626	1.21014213	0.00014629	No
						Tmem43	19.9215	6.19697	-1.68469	19.9225	6.19797	-1.684531	0.00014629	No
						Tmem44	0.124157	1.17798	3.24608	0.125157	1.17898	3.23572836	0.0327003	No
						Tmem50a	229.369	72.0633	-1.67033	229.37	72.0643	-1.6703201	0.00014629	No
						Tmem50b	2.00359	41.4237	4.3698	2.00459	41.4247	4.36911215	0.00014629	No
						Tmem51	0.900412	25.8077	4.84107	0.901412	25.8087	4.83952701	0.00014629	No
						Tmem52	0	3.88877	inf	0.001	3.88977	11.9254691	0.00823262	No
						Tmem52b	0	39.8506	inf	0.001	39.8516	15.28235	0.00014629	No
						Tmem53	2.4857	14.9036	2.58393	2.4867	14.9046	2.58345328	0.00014629	No
						Tmem54	0	3.66029	inf	0.001	3.66129	11.8381363	0.00014629	No
						Tmem55a	0.275457	14.7036	5.7382	0.276457	14.7046	5.73306863	0.00028114	No
						Tmem57	14.3199	7.13986	-1.00405	14.3209	7.14086	-1.0039524	0.00028114	No
						Tmem60	5.02345	10.1977	1.0215	5.02445	10.1987	1.02134768	0.00252712	No
						Tmem62	11.4129	7.54438	-0.597192	11.4139	7.54538	-0.5971264	0.0180197	No
						Tmem64	1.86923	9.74538	2.38227	1.87023	9.74638	2.38165077	0.00066215	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem65	9.32557	6.07142	-0.619159	9.32657	6.07242	-0.619075	0.0223869	No
						Tmem66	112.023	34.5451	-1.69724	112.024	34.5461	-1.6972131	0.00014629	No
						Tmem67	0.224299	2.16056	3.26791	0.225299	2.16156	3.26216007	0.00028114	No
						Tmem68	7.87935	4.27196	-0.883181	7.88035	4.27296	-0.8830239	0.00576532	No
						Tmem70	6.24222	30.5514	2.29111	6.24322	30.5524	2.2909235	0.00014629	No
						Tmem71	77.2382	1.6886	-5.51541	77.2392	1.6896	-5.5145796	0.00014629	No
						Tmem72	0	32.9927	inf	0.001	32.9937	15.009903	0.00014629	No
						Tmem79	0.185563	15.2585	6.36156	0.186563	15.2595	6.35390099	0.00014629	No
						Tmem86a	0.375211	34.6399	6.52859	0.376211	34.6409	6.52479057	0.00028114	No
						Tmem86b	7.87304	2.04144	-1.94734	7.87404	2.04244	-1.9468103	0.0172634	No
						Tmem87a	58.6588	17.9215	-1.71066	58.6598	17.9225	-1.7106003	0.00014629	No
						Tmem87b	17.2169	10.3193	-0.738487	17.2179	10.3203	-0.7384243	0.00014629	No
						TMEM9	17.3122	24.6661	0.510744	17.3132	24.6671	0.51071571	0.0403386	No
						Tmem97	4.1347	7.51262	0.861532	4.1357	7.51362	0.86137662	0.0287968	No
						Tmf1	21.3695	9.1008	-1.23148	21.3705	9.1018	-1.2313969	0.00014629	No
						Tmlhe	8.88883	81.1656	3.1908	8.88983	81.1666	3.19065845	0.00014629	No
						Tmod3	56.0844	15.4071	-1.864	56.0854	15.4081	-1.8639363	0.00014629	No
						Tmpo	49.1479	19.428	-1.33899	49.1489	19.429	-1.3389475	0.00014629	No
						Tmprss13	0	14.0424	inf	0.001	14.0434	13.7776046	0.00014629	No
						Tmsb10	9057.32	768.165	-3.5596	9057.321	768.166	-3.5595944	0.00014629	No
						Tmsbl1	75.128	1.82011	-5.36725	75.129	1.82111	-5.3664799	0.00014629	No
						Tmtc1	0.00135444	5.62538	12.02	0.00235444	5.62638	11.2226073	0.02588	No
						Tmtc4	1.92944	6.232	1.69151	1.93044	6.233	1.690997	0.00014629	No
						Tmx1	27.053	13.0635	-1.05024	27.054	13.0645	-1.05019	0.00014629	No
						Tmx3	11.838	5.39736	-1.1331	11.839	5.39836	-1.1329541	0.00014629	No
						Tnfaip1	6.45614	28.8015	2.1574	6.45714	28.8025	2.15722683	0.00014629	No
						Tnfaip2	0.0825208	16.2972	7.62565	0.0835208	16.2982	7.60836139	0.00014629	No
						Tnfaip3	71.0038	9.34737	-2.92526	71.0048	9.34837	-2.9251298	0.00014629	No
						Tnfaip8l1	17.6005	1.78639	-3.3005	17.6015	1.78739	-3.299772	0.0247814	No
						Tnfaip8l2	75.7236	11.0842	-2.77224	75.7246	11.0852	-2.7721273	0.00053701	No
						Tnfrsf14	533.049	51.3592	-3.37557	533.05	51.3602	-3.3755481	0.00014629	No
						TNFRSF18	34.0544	3.00439	-3.50269	34.0554	3.00539	-3.5022595	0.00263402	No
						Tnfrsf1a	6.97353	18.5824	1.41397	6.97453	18.5834	1.41384657	0.00014629	No
						Tnfrsf1b	22.7294	2.26997	-3.32382	22.7304	2.27097	-3.3232425	0.00014629	No
						Tnfrsf21	2.32255	48.3021	4.3783	2.32355	48.3031	4.37771319	0.00014629	No
						Tnfrsf26	124.524	4.73494	-4.71694	124.525	4.73594	-4.7166408	0.00014629	No
						Tnfsf13	0.679814	43.4306	5.99743	0.680814	43.4316	5.99534059	0.00014629	No
						Tnik	9.44808	0.736926	-3.68043	9.44908	0.737926	-3.6786258	0.00014629	No
						Tnip1	68.8341	30.7474	-1.16266	68.8351	30.7484	-1.1626331	0.00014629	No
						Tnks	11.1674	6.36955	-0.810036	11.1684	6.37055	-0.8099327	0.00014629	No
						Tnks1bp1	2.91799	7.87608	1.4325	2.91899	7.87708	1.43219166	0.00014629	No
						Tnks2	14.0907	5.28653	-1.41435	14.0917	5.28753	-1.4141798	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tnni3k	0.0598775	2.43183	5.34389	0.0608775	2.43283	5.32058259	0.0100448	No
						Tnnt2	0.12769	9.05394	6.14783	0.12869	9.05494	6.13673322	0.00904412	No
						Tnnt3	35.3419	20.7202	-0.770339	35.3429	20.7212	-0.7703129	0.00934853	No
						Tnpo1	27.0228	8.21198	-1.71838	27.0238	8.21298	-1.7182529	0.00014629	No
						Tnpo3	12.5966	17.1706	0.446907	12.5976	17.1716	0.44687556	0.0393825	No
						Tnrc6a	27.7811	10.1791	-1.44849	27.7821	10.1801	-1.4484039	0.00014629	No
						Tnrc6b	18.9938	2.79635	-2.76391	18.9948	2.79735	-2.7634718	0.00014629	No
						Tnrc6c	25.0361	11.0147	-1.18458	25.0371	11.0157	-1.1845063	0.00028114	No
						Tns1	0.111427	103.079	9.85343	0.112427	103.08	9.84056018	0.00014629	No
						Tns3	0.110351	31.0704	8.1373	0.111351	31.0714	8.12432892	0.00014629	No
						Tns4	0	1.73849	inf	0.001	1.73949	10.7644487	0.00014629	No
						Tob1	16.4709	43.8371	1.41223	16.4719	43.8381	1.41217829	0.00014629	No
						Toe1	20.9332	9.59486	-1.12546	20.9342	9.59586	-1.1253778	0.00184429	No
						Tollip	9.40725	20.2668	1.10727	9.40825	20.2678	1.1071912	0.00014629	No
						Tom1	10.3465	54.9346	2.40858	10.3475	54.9356	2.40845912	0.00014629	No
						Tom1l1	2.58276	12.0419	2.22108	2.58376	12.0429	2.22063887	0.00090728	No
						Tom1l2	14.8933	30.9244	1.05408	14.8943	30.9254	1.05403193	0.00014629	No
						Tomm34	43.5254	18.7021	-1.21866	43.5264	18.7031	-1.2186133	0.00014629	No
						Tomm40	21.9881	37.886	0.78494	21.9891	37.887	0.78491435	0.00078603	No
						Tomm40l	5.68629	12.1135	1.09106	5.68729	12.1145	1.09092159	0.00405996	No
						Tomm6	122.698	420.74	1.77781	122.699	420.741	1.77780892	0.00173187	No
						Tonsl	48.1488	121.638	1.33703	48.1498	121.639	1.33700415	0.00014629	No
						Top2b	18.7712	2.38836	-2.97443	18.7722	2.38936	-2.9739016	0.00014629	No
						Top3a	8.77398	2.23089	-1.97561	8.77498	2.23189	-1.9751299	0.00014629	No
						Topaz1	0	50.2722	inf	0.001	50.2732	15.6175019	0.00014629	No
						Topbp1	17.7356	2.61832	-2.75994	17.7366	2.61932	-2.7594653	0.00014629	No
						Topors	16.6777	11.4116	-0.547413	16.6787	11.4126	-0.5473793	0.0387854	No
						Tor1aip2	29.492	18.4616	-0.675797	29.493	18.4626	-0.6757668	0.0170801	No
						Tor3a	1.84255	26.0118	3.81939	1.84355	26.0128	3.81866325	0.00114835	No
						Tor4a	15.1391	2.39395	-2.66082	15.1401	2.39495	-2.6603073	0.00014629	No
						Tox	20.7711	3.11152	-2.73889	20.7721	3.11252	-2.7384921	0.00014629	No
						Tox4	36.9092	12.9622	-1.50967	36.9102	12.9632	-1.5095977	0.00341151	No
						Tp53	172.711	63.5594	-1.44218	172.712	63.5604	-1.4421682	0.00014629	No
						Tp53bp2	6.76146	13.7417	1.02315	6.76246	13.7427	1.02304541	0.00014629	No
						Tp53i13	6.92209	14.8132	1.09761	6.92309	14.8142	1.09749271	0.00066215	No
						Tp53inp1	34.7437	7.64897	-2.18341	34.7447	7.64997	-2.1832669	0.00014629	No
						TP53INP2	0.639763	43.4536	6.08579	0.640763	43.4546	6.08357425	0.00014629	No
						Tpcn1	17.7969	128.375	2.85067	17.7979	128.376	2.85059658	0.00014629	No
						Tpd52	0.489732	49.9808	6.67324	0.490732	49.9818	6.6703237	0.00014629	No
						Tpd52l1	0.0889839	9.07437	6.67211	0.0899839	9.07537	6.65614576	0.00230432	No
						Tpgs1	10.1509	30.2739	1.57647	10.1519	30.2749	1.57637243	0.00014629	No
						Tpgs2	20.287	9.88535	-1.03719	20.288	9.88635	-1.0371168	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tpi1	13.9045	247.409	4.15327	13.9055	247.41	4.15317629	0.00014629	No
						Tpk1	1.34238	7.5372	2.48923	1.34338	7.5382	2.48835262	0.00014629	No
						TPM1	10.3785	167.819	4.01524	10.3795	167.82	4.01510581	0.00014629	No
						Tpm3	379.945	105.072	-1.85441	379.946	105.073	-1.8544024	0.00014629	No
						Tpm4	129.656	86.9783	-0.575966	129.657	86.9793	-0.5759561	0.00761239	No
						Tpmt	114.27	56.1656	-1.02468	114.271	56.1666	-1.0246749	0.00014629	No
						Tpp1	20.0129	31.2962	0.645058	20.0139	31.2972	0.64503127	0.00513162	No
						Tpp2	36.0012	17.0061	-1.082	36.0022	17.0071	-1.0819479	0.00014629	No
						Tpr	54.4407	11.933	-2.18973	54.4417	11.934	-2.1896344	0.00014629	No
						Tpra1	23.0857	61.0315	1.40255	23.0867	61.0325	1.40251572	0.00014629	No
						TPRG1L	120.437	77.5739	-0.634633	120.438	77.5749	-0.6346288	0.00090728	No
						Tpst2	65.699	35.5627	-0.885508	65.7	35.5637	-0.8854879	0.00014629	No
						Tra2a	99.2551	40.4625	-1.29455	99.2561	40.4635	-1.2945347	0.00014629	No
						Tra2b	186.492	48.3193	-1.94845	186.493	48.3203	-1.9484202	0.00014629	No
						Trabd	22.8812	40.1172	0.810057	22.8822	40.1182	0.81003111	0.0376711	No
						Trac	936.888	74.2517	-3.65738	936.889	74.2527	-3.6573627	0.00014629	No
						Traf1	4.92094	2.33068	-1.07818	4.92194	2.33168	-1.0778573	0.0182953	No
						Traf2	32.6934	23.7117	-0.463398	32.6944	23.7127	-0.4633836	0.0472473	No
						Traf3	15.4383	8.22214	-0.90893	15.4393	8.22314	-0.908846	0.00230432	No
						Traf3ip2	31.3485	75.1079	1.26057	31.3495	75.1089	1.26054144	0.0133356	No
						Traf3ip3	204.295	22.6663	-3.17204	204.296	22.6673	-3.1719765	0.00053701	No
						Traf4	12.4976	58.1314	2.21767	12.4986	58.1324	2.21757597	0.00014629	No
						Traf6	11.7238	1.98374	-2.56315	11.7248	1.98474	-2.5625414	0.00014629	No
						Traf7	32.7489	23.6398	-0.470227	32.7499	23.6408	-0.4702116	0.0310191	No
						Trak1	8.09411	29.3613	1.85897	8.09511	29.3623	1.85884239	0.00014629	No
						Tram1	100.101	34.2093	-1.54899	100.102	34.2103	-1.5489681	0.00014629	No
						Trap1	25.279	41.6287	0.719641	25.28	41.6297	0.7196167	0.00090728	No
						Trappc1	30.3557	119.177	1.97307	30.3567	119.178	1.97303107	0.00014629	No
						Trappc10	14.5374	7.05245	-1.04357	14.5384	7.05345	-1.0434675	0.00014629	No
						TRAPPC2	6.97467	37.512	2.42716	6.97567	37.513	2.42698695	0.00014629	No
						Trappc2l	28.7172	95.4271	1.73248	28.7182	95.4281	1.73244882	0.00014629	No
						Trappc3	25.8186	39.8985	0.627922	25.8196	39.8995	0.62790402	0.00629035	No
						Trappc6b	23.1221	35.1898	0.605886	23.1231	35.1908	0.60586349	0.0470633	No
						Trappc8	13.4975	7.63015	-0.822911	13.4985	7.63115	-0.8228267	0.00028114	No
						Trappc9	16.606	7.79294	-1.09147	16.607	7.79394	-1.0913667	0.00014629	No
						Trat1	61.5191	0.962476	-5.99814	61.5201	0.963476	-5.9966653	0.00014629	No
						Trav4-2	4.54423	0	-inf	4.54523	0.001	-12.150138	0.00014629	No
						Trav5-4	2.67536	0	-inf	2.67636	0.001	-11.386056	0.00459197	No
						Trav7-2	4.61799	0	-inf	4.61899	0.001	-12.173362	0.00014629	No
						Trdmt1	8.00609	3.70251	-1.1126	8.00709	3.70351	-1.1123848	0.00114835	No
						Trem3	0.166282	1.99613	3.5855	0.167282	1.99713	3.57757412	0.0357927	No
						Trem12	63.9086	0.849728	-6.23286	63.9096	0.850728	-6.2311909	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trerf1	11.7856	3.03185	-1.95876	11.7866	3.03285	-1.9584016	0.00014629	No
						Triap1	17.8763	40.1355	1.16683	17.8773	40.1365	1.16678595	0.00014629	No
						Trib1	0.623417	7.16799	3.5233	0.624417	7.16899	3.52118816	0.00014629	No
						Trib2	94.5456	12.9844	-2.86423	94.5466	12.9854	-2.8641351	0.00014629	No
						Tril	0	13.7053	inf	0.001	13.7063	13.7425515	0.00014629	No
						Trim11	11.2213	23.8411	1.08721	11.2223	23.8421	1.08714293	0.00014629	No
						Trim14	28.8579	3.31328	-3.12264	28.8589	3.31428	-3.1222489	0.00014629	No
						Trim21	34.3987	7.65814	-2.16729	34.3997	7.65914	-2.1671417	0.00014629	No
						Trim24	18.3939	10.9356	-0.750191	18.3949	10.9366	-0.7501415	0.0101499	No
						Trim25	16.76	6.48678	-1.36945	16.761	6.48778	-1.3693114	0.00161718	No
						Trim26	12.0262	8.1929	-0.553739	12.0272	8.1939	-0.5536786	0.0232282	No
						TRIM27	41.217	29.8672	-0.464676	41.218	29.8682	-0.4646642	0.0446219	No
						Trim28	85.4015	60.3016	-0.502066	85.4025	60.3026	-0.5020581	0.00934853	No
						Trim29	0	7.68129	inf	0.001	7.68229	12.9073207	0.00014629	No
						Trim3	6.19661	21.6623	1.80564	6.19761	21.6633	1.80546915	0.00014629	No
						Trim32	4.20232	9.21276	1.13245	4.20332	9.21376	1.13226073	0.00014629	No
						Trim33	26.0682	3.8059	-2.77598	26.0692	3.8069	-2.7756577	0.00014629	No
						Trim34	43.2858	6.59886	-2.7136	43.2868	6.59986	-2.7134198	0.00014629	No
						Trim35	35.974	64.9444	0.85225	35.975	64.9454	0.85223266	0.00014629	No
						Trim37	16.976	8.66053	-0.970971	16.977	8.66153	-0.9708877	0.00792329	No
						Trim44	21.1535	37.5232	0.826887	21.1545	37.5242	0.82685673	0.0103501	No
						Trim45	3.05109	9.2368	1.59807	3.05209	9.2378	1.59775181	0.00874754	No
						Trim46	1.37431	5.33313	1.95627	1.37531	5.33413	1.95549614	0.00014629	No
						Trim5	171.329	16.8339	-3.34733	171.33	16.8349	-3.3472507	0.00014629	No
						Trim59	23.5883	4.07239	-2.53413	23.5893	4.07339	-2.5338308	0.0141124	No
						Trip10	10.3051	88.7095	3.10573	10.3061	88.7105	3.10560638	0.00014629	No
						Trip12	38.4698	23.5095	-0.710481	38.4708	23.5105	-0.7104586	0.00078603	No
						Triqk	0	3.51155	inf	0.001	3.51255	11.778303	0.00014629	No
						Trit1	23.2856	36.2208	0.637379	23.2866	36.2218	0.63735823	0.031196	No
						Trmt1	42.0461	59.6353	0.504194	42.0471	59.6363	0.50418445	0.0288879	No
						Trmt11	9.15755	3.87036	-1.24249	9.15855	3.87136	-1.2422787	0.00041099	No
						Trmt12	1.52536	3.99128	1.3877	1.52636	3.99228	1.38711764	0.0147863	No
						Trmt13	15.9103	2.99076	-2.41138	15.9113	2.99176	-2.4109854	0.00028114	No
						Trmt2a	25.754	40.0541	0.637153	25.755	40.0551	0.6371334	0.0077167	No
						Trmt5	11.6855	5.10686	-1.19422	11.6865	5.10786	-1.194052	0.0161245	No
						Trmt6	15.2955	6.19288	-1.30442	15.2965	6.19388	-1.3042862	0.00014629	No
						Trmu	11.5364	21.8066	0.918575	11.5374	21.8076	0.91851286	0.00252712	No
						Trnau1ap	48.7864	77.5721	0.66906	48.7874	77.5731	0.66904786	0.00586782	No
						Troap	0.161235	2.23371	3.79221	0.162235	2.23471	3.78393062	0.0163221	No
						Trpc1	0.220215	3.38139	3.94063	0.221215	3.38239	3.9345219	0.00014629	No
						Trpm1	0	4.31062	inf	0.001	4.31162	12.0740143	0.00014629	No
						TRPM6	26.0517	10.0053	-1.38062	26.0527	10.0063	-1.3805243	0.020066	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trpm7	42.8641	12.2851	-1.80286	42.8651	12.2861	-1.8027765	0.00014629	No
						Trpv1	1.00813	54.7308	5.7626	1.00913	54.7318	5.76119536	0.00014629	No
						Trpv2	11.1523	1.20009	-3.21614	11.1533	1.20109	-3.2150545	0.00014629	No
						Trpv3	3.96602	0.316387	-3.64793	3.96702	0.317387	-3.6437407	0.0326142	No
						Trpv4	0	53.4698	inf	0.001	53.4708	15.7064636	0.00014629	No
						Trpv6	1.72626	0.162861	-3.40594	1.72726	0.163861	-3.3979408	0.0247814	No
						Trrap	46.7709	22.6894	-1.04359	46.7719	22.6904	-1.04356	0.0148843	No
						Tsc1	11.3513	5.9824	-0.924069	11.3523	5.9834	-0.9239472	0.00014629	No
						Tsc2	15.0182	36.6385	1.28665	15.0192	36.6395	1.28659185	0.00102864	No
						Tsc22d1	28.9804	415.836	3.84287	28.9814	415.837	3.84281894	0.00014629	No
						Tsc22d2	6.3146	3.32018	-0.927429	6.3156	3.32118	-0.9272239	0.00114835	No
						Tsc22d3	430.452	77.6547	-2.47071	430.453	77.6557	-2.470692	0.00014629	No
						TSC22D4	57.842	28.7188	-1.01012	57.843	28.7198	-1.0100967	0.00533979	No
						Tsen15	5.98819	34.6196	2.5314	5.98919	34.6206	2.53119792	0.00014629	No
						Tsfm	12.6051	25.6921	1.02731	12.6061	25.6931	1.02725896	0.0134314	No
						Tsg101	32.0768	72.3708	1.17388	32.0778	72.3718	1.17385245	0.00014629	No
						Tsn	33.323	15.392	-1.11433	33.324	15.393	-1.1142872	0.00014629	No
						Tspan12	0.260768	24.0334	6.52613	0.261768	24.0344	6.52066823	0.00014629	No
						Tspan13	94.6898	27.948	-1.76047	94.6908	27.949	-1.7604276	0.00014629	No
						Tspan14	33.9828	6.87264	-2.30587	33.9838	6.87364	-2.305701	0.00014629	No
						Tspan18	0.0464706	8.53711	7.52129	0.0474706	8.53811	7.49073865	0.00014629	No
						Tspan3	13.0875	63.0916	2.26926	13.0885	63.0926	2.26917104	0.00014629	No
						Tspan31	2.12244	26.2116	3.62641	2.12344	26.2126	3.62578521	0.00028114	No
						Tspan32	133.811	2.57817	-5.69771	133.812	2.57917	-5.6971568	0.00014629	No
						Tspan4	0.268042	6.90132	4.68634	0.269042	6.90232	4.68117805	0.00090728	No
						Tspan5	1.42411	35.9981	4.65979	1.42511	35.9991	4.65881565	0.00014629	No
						Tspan6	0.400322	16.2558	5.34365	0.401322	16.2568	5.34013925	0.00028114	No
						Tspan7	0	33.4489	inf	0.001	33.4499	15.0297143	0.00014629	No
						Tspyl1	25.7543	18.3535	-0.488762	25.7553	18.3545	-0.4887355	0.026232	No
						Tspyl2	25.9554	9.95484	-1.38257	25.9564	9.95584	-1.3824754	0.00014629	No
						Tsr2	5.22794	3.02807	-0.787843	5.22894	3.02907	-0.7876436	0.00994441	No
						Tssc1	31.2058	16.7466	-0.897945	31.2068	16.7476	-0.8979061	0.00459197	No
						Tsx	1.37378	12.4214	3.1766	1.37478	12.4224	3.17567125	0.00053701	No
						Ttbk2	1.89748	1.13003	-0.747727	1.89848	1.13103	-0.7472076	0.0333784	No
						Ttc13	18.4923	9.75924	-0.922085	18.4933	9.76024	-0.9220142	0.00014629	No
						Ttc14	20.574	5.40064	-1.92962	20.575	5.40164	-1.929423	0.00014629	No
						Ttc17	18.7838	11.8368	-0.666204	18.7848	11.8378	-0.6661648	0.0149808	No
						Ttc18	0.665397	3.60115	2.43617	0.666397	3.60215	2.43440445	0.00241835	No
						Ttc21b	0	19.7617	inf	0.001	19.7627	14.2704924	0.00014629	No
						Ttc28	14.0444	0.766735	-4.19513	14.0454	0.767735	-4.1933455	0.00014629	No
						Ttc30a1	1.83547	5.65122	1.62242	1.83647	5.65222	1.62188229	0.00041099	No
						Ttc37	27.9337	13.3672	-1.06331	27.9347	13.3682	-1.0632531	0.00066215	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ttc38	8.68325	5.38637	-0.688923	8.68425	5.38737	-0.6888201	0.00491494	No
						Ttc7b	6.35689	25.236	1.98909	6.35789	25.237	1.98892046	0.00014629	No
						Ttc9	0.348019	3.92747	3.49636	0.349019	3.92847	3.49259006	0.00649695	No
						Ttc9c	22.277	10.229	-1.12289	22.278	10.23	-1.1228136	0.0319849	No
						Ttf1	16.2445	3.60114	-2.17343	16.2455	3.60214	-2.173114	0.00014629	No
						Ttf2	6.50855	1.63407	-1.99386	6.50955	1.63507	-1.9932054	0.00014629	No
						Ttll10	0.0254529	14.4968	9.15369	0.0264529	14.4978	9.09819238	0.00028114	No
						Ttll12	10.218	4.44022	-1.20241	10.219	4.44122	-1.2022261	0.00014629	No
						Ttll3	1.40716	14.8884	3.40333	1.40816	14.8894	3.40240245	0.00014629	No
						Ttll4	5.94451	2.07071	-1.52143	5.94551	2.07171	-1.5209785	0.00014629	No
						Ttll7	0.39381	4.11502	3.38533	0.39481	4.11602	3.38201956	0.00041099	No
						Ttpa	0	1.32944	inf	0.001	1.33044	10.3776877	0.00014629	No
						Ttpal	9.4587	2.82105	-1.74541	9.4597	2.82205	-1.7450509	0.00014629	No
						Ttyh3	99.6751	14.9866	-2.73356	99.6761	14.9876	-2.7334782	0.00014629	No
						Tuba1a	184.805	122.917	-0.588318	184.806	122.918	-0.5883154	0.0309347	No
						Tuba8	0.232204	2.19327	3.23962	0.233204	2.19427	3.23407662	0.00102864	No
						Tubb4b	35.4435	129.787	1.87255	35.4445	129.788	1.87252332	0.00014629	No
						Tubb5	322.728	51.9672	-2.63465	322.729	51.9682	-2.6346222	0.00014629	No
						Tubd1	7.03611	2.00809	-1.80895	7.03711	2.00909	-1.8084409	0.0299771	No
						Tube1	15.904	2.48768	-2.67652	15.905	2.48868	-2.6760277	0.00014629	No
						Tubg1	26.6585	38.847	0.543207	26.6595	38.848	0.5431906	0.0153615	No
						Tubgcp3	17.764	9.4004	-0.918162	17.765	9.4014	-0.9180902	0.00184429	No
						Tubgcp5	7.34035	3.85019	-0.93092	7.34135	3.85119	-0.9307411	0.00041099	No
						Tufm	27.8529	98.8438	1.82732	27.8539	98.8448	1.82728573	0.00014629	No
						Tulp3	0.403985	13.9181	5.10652	0.404985	13.9191	5.10305365	0.00014629	No
						Tusc2	9.52629	33.5767	1.81747	9.52729	33.5777	1.8173656	0.00014629	No
						Tusc3	0.697975	24.7229	5.14653	0.698975	24.7239	5.14452167	0.00014629	No
						TVP23A	10.0108	1.9431	-2.36513	10.0118	1.9441	-2.364527	0.0140162	No
						Twistnb	9.85589	2.53208	-1.96066	9.85689	2.53308	-1.9602399	0.00014629	No
						Twsg1	3.58343	12.3679	1.78719	3.58443	12.3689	1.78690158	0.00014629	No
						Txk	83.1664	6.60585	-3.65418	83.1674	6.60685	-3.6539836	0.00014629	No
						Txlng	20.3556	3.12046	-2.7056	20.3566	3.12146	-2.7052037	0.00041099	No
						Txn1	208.637	821.283	1.97688	208.638	821.284	1.97687925	0.00014629	No
						Txn2	33.708	136.673	2.01957	33.709	136.674	2.01953309	0.00014629	No
						Txndc11	12.3501	20.7357	0.747598	12.3511	20.7367	0.74754679	0.0179216	No
						Txndc16	21.8258	3.45663	-2.6586	21.8268	3.45763	-2.6582452	0.00014629	No
						Txndc17	19.9135	93.4519	2.23048	19.9145	93.4529	2.23042018	0.00014629	No
						Txndc9	28.8456	54.354	0.914035	28.8466	54.355	0.91401147	0.00041099	No
						Txnip	1986.89	112.943	-4.13684	1986.891	112.944	-4.1368332	0.00014629	No
						Txnl1	34.6167	72.7774	1.07202	34.6177	72.7784	1.07200046	0.00014629	No
						Txnrd1	11.2923	73.4141	2.70071	11.2933	73.4151	2.70060971	0.00014629	No
						Tyk2	21.9657	15.8084	-0.474565	21.9667	15.8094	-0.4745355	0.0464366	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tyms	0.941958	4.77636	2.34218	0.942958	4.77736	2.34094818	0.0338201	No
						Tyro3	0.0901613	2.79131	4.95229	0.0911613	2.79231	4.93689381	0.00090728	No
						Tyrobp	27.5098	43.7919	0.670722	27.5108	43.7929	0.6706989	0.029075	No
						Tyw3	4.17529	16.9904	2.02478	4.17629	16.9914	2.02451093	0.00014629	No
						U2af2	158.222	55.8222	-1.50304	158.223	55.8232	-1.5030226	0.00014629	No
						Uaca	0	12.0566	inf	0.001	12.0576	13.5576552	0.00014629	No
						Uap1	3.79484	10.926	1.52566	3.79584	10.927	1.52540628	0.00014629	No
						Uap1l1	5.33546	80.2699	3.91118	5.33646	80.2709	3.91092214	0.00014629	No
						Uba1	75.5474	51.9959	-0.538983	75.5484	51.9969	-0.5389756	0.00427532	No
						Uba2	52.2956	18.1648	-1.52555	52.2966	18.1658	-1.5254923	0.00014629	No
						Uba3	28.1904	16.5253	-0.770533	28.1914	16.5263	-0.7704914	0.00053701	No
						Uba5	42.2543	58.026	0.457601	42.2553	58.027	0.45759204	0.0419596	No
						Uba52	3135.55	1543.45	-1.02256	3135.551	1543.451	-1.0225593	0.00014629	No
						Uba6	7.64445	2.57453	-1.57011	7.64545	2.57553	-1.5697321	0.00014629	No
						Uba7	13.1929	6.45843	-1.03051	13.1939	6.45943	-1.0303923	0.00078603	No
						Ubac1	16.3467	40.2013	1.29824	16.3477	40.2023	1.29819037	0.00014629	No
						Ubac2	50.204	29.1405	-0.784774	50.205	29.1415	-0.7847559	0.00710369	No
						Ubald2	397.846	128.167	-1.63419	397.847	128.168	-1.6341776	0.00014629	No
						Ubp1	11.5419	21.2463	0.880324	11.5429	21.2473	0.8802738	0.00014629	No
						Ubp2l	44.633	22.4038	-0.994371	44.634	22.4048	-0.9943353	0.00014629	No
						Ubash3b	14.1962	7.45394	-0.929427	14.1972	7.45494	-0.9293378	0.00448672	No
						Ubc	65.3153	384.653	2.55806	65.3163	384.654	2.55804634	0.00014629	No
						Ubd	9.5214	55.1463	2.53402	9.5224	55.1473	2.53389312	0.00014629	No
						Ube2b	84.3211	52.5988	-0.680864	84.3221	52.5998	-0.6808535	0.00041099	No
						Ube2d1	17.0508	5.17679	-1.71971	17.0518	5.17779	-1.7195157	0.00014629	No
						Ube2d3	257.474	120.531	-1.09502	257.475	120.532	-1.0950161	0.00014629	No
						Ube2e1	63.6779	44.3624	-0.521455	63.6789	44.3634	-0.5214455	0.0132409	No
						Ube2e2	3.27956	22.2926	2.76499	3.28056	22.2936	2.76461559	0.00028114	No
						Ube2f	15.5123	44.1447	1.50883	15.5133	44.1457	1.50876731	0.00014629	No
						Ube2g1	54.8268	21.4014	-1.35718	54.8278	21.4024	-1.357135	0.00014629	No
						Ube2h	64.265	18.7525	-1.77695	64.266	18.7535	-1.7768958	0.00014629	No
						Ube2i	167.198	75.5311	-1.14642	167.199	75.5321	-1.1464044	0.00014629	No
						Ube2j1	27.8724	16.2386	-0.779413	27.8734	16.2396	-0.7793729	0.00014629	No
						Ube2j2	95.7325	51.4211	-0.896648	95.7335	51.4221	-0.8966353	0.00014629	No
						Ube2l6	1.48324	4.20577	1.50362	1.48424	4.20677	1.50298855	0.00586782	No
						Ube2o	30.0263	7.04308	-2.09195	30.0273	7.04408	-2.0917916	0.00014629	No
						Ube2r2	148.319	93.8681	-0.66	148.32	93.8691	-0.6599909	0.00341151	No
						Ube2v1	113.59	83.4487	-0.444868	113.591	83.4497	-0.4448698	0.0241459	No
						Ube3b	24.2184	50.5743	1.0623	24.2194	50.5753	1.06226985	0.00014629	No
						Ube3c	15.3807	8.84875	-0.797581	15.3817	8.84975	-0.7975064	0.00014629	No
						Ube3d	1.73802	6.5151	1.90635	1.73902	6.5161	1.90573422	0.00041099	No
						Ube4a	21.1669	8.13732	-1.37919	21.1679	8.13832	-1.3790752	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ubl4a	6.62798	16.619	1.32619	6.62898	16.62	1.32606158	0.00014629	No
						Ubl5	204.798	299.379	0.54777	204.799	299.38	0.54776917	0.0317197	No
						Ubn1	20.6604	6.76672	-1.61034	20.6614	6.76772	-1.6101962	0.00014629	No
						Ubn2	9.9686	2.65368	-1.9094	9.9696	2.65468	-1.9089977	0.00014629	No
						Ubp1	82.6447	23.5765	-1.80958	82.6457	23.5775	-1.809529	0.00014629	No
						Ubqln1	48.6483	34.7849	-0.483928	48.6493	34.7859	-0.4839164	0.0167972	No
						Ubqln4	32.2354	44.5811	0.467784	32.2364	44.5821	0.46777394	0.0309347	No
						Ubr1	20.7654	7.2461	-1.51891	20.7664	7.2471	-1.5187754	0.00014629	No
						Ubr2	34.214	11.6104	-1.55917	34.215	11.6114	-1.559087	0.00014629	No
						Ubr3	16.4468	8.41877	-0.966128	16.4478	8.41977	-0.9660419	0.00090728	No
						Ubr4	61.4342	26.3404	-1.22177	61.4352	26.3414	-1.2217335	0.00014629	No
						Ubr7	17.5832	10.3451	-0.765254	17.5842	10.3461	-0.7651927	0.00028114	No
						Ubxn1	128.205	185.166	0.530363	128.206	185.167	0.53036323	0.00751085	No
						Ubxn7	7.76551	1.62151	-2.25974	7.76651	1.62251	-2.2590391	0.0280617	No
						Ubxn8	4.14718	7.32738	0.821166	4.14818	7.32838	0.82101582	0.00576532	No
						Uchl5	23.6894	14.2061	-0.737724	23.6904	14.2071	-0.7376905	0.00173187	No
						UCMA	0	2.06161	inf	0.001	2.06261	11.0102553	0.00014629	No
						Ucp2	583.101	57.7928	-3.33478	583.102	57.7938	-3.3347616	0.00014629	No
						Ufl1	13.15	6.35755	-1.04853	13.151	6.35855	-1.0484028	0.00014629	No
						Ufsp1	1.75535	10.6709	2.60385	1.75635	10.6719	2.60316478	0.00138312	No
						Ufsp2	20.9074	64.1028	1.61637	20.9084	64.1038	1.61632722	0.00014629	No
						Ugcg	43.3923	9.4016	-2.20646	43.3933	9.4026	-2.2063407	0.00014629	No
						Ugdh	14.0855	57.2249	2.02244	14.0865	57.2259	2.02235505	0.00014629	No
						Uggt1	31.1907	7.76306	-2.00642	31.1917	7.76406	-2.006279	0.00014629	No
						Ugp2	26.5613	43.5433	0.713126	26.5623	43.5443	0.71310381	0.00041099	No
						Ugt1a2	1.03396	91.9517	6.47462	1.03496	91.9527	6.47324502	0.00014629	No
						Ugt2b35	0	87.0428	inf	0.001	87.0438	16.4094539	0.00014629	No
						Uhrf1bp1	0.152408	7.23428	5.56884	0.153408	7.23528	5.55960322	0.00014629	No
						Uhrf1bp1l	25.2653	9.11529	-1.4708	25.2663	9.11629	-1.4706957	0.00014629	No
						Uhrf2	120.751	37.166	-1.69998	120.752	37.167	-1.6999529	0.00014629	No
						Ulk1	13.6738	21.8231	0.674437	13.6748	21.8241	0.67440243	0.00363169	No
						Ulk2	13.0828	6.29831	-1.05463	13.0838	6.29931	-1.0545159	0.00014629	No
						Umod	0	952.963	inf	0.001	952.964	19.8620622	0.00014629	No
						Umps	19.6802	39.9548	1.02163	19.6812	39.9558	1.02158675	0.00053701	No
						Unc119	29.8891	17.2097	-0.796395	29.8901	17.2107	-0.7963619	0.00207488	No
						Unc13b	1.32534	3.28585	1.3099	1.32634	3.28685	1.30925497	0.00014629	No
						Unc5b	4.70491	1.0047	-2.2274	4.70591	1.0057	-2.2262737	0.00014629	No
						Unc5cl	1.93184	29.5805	3.9366	1.93284	29.5815	3.93590109	0.00014629	No
						Ung	9.15256	28.8132	1.65448	9.15356	28.8142	1.65437511	0.00014629	No
						Unk	19.0154	12.2241	-0.637438	19.0164	12.2251	-0.6373979	0.0126456	No
						Unkl	27.996	8.99731	-1.63766	27.997	8.99831	-1.6375463	0.00341151	No
						Upb1	0.157234	140.007	9.79837	0.158234	140.008	9.78923392	0.0399122	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Upf2	45.6528	22.2655	-1.03589	45.6538	22.2665	-1.0358601	0.00014629	No
						Upf3a	20.457	31.4618	0.621007	20.458	31.4628	0.62098196	0.0121484	No
						Upf3b	45.1633	9.27439	-2.28383	45.1643	9.27539	-2.283703	0.00014629	No
						Upk1a	0.549567	34.478	5.97124	0.550567	34.479	5.96865598	0.00078603	No
						Upk1b	0	6.33621	inf	0.001	6.33721	12.6296321	0.00014629	No
						Upk2	0	20.0782	inf	0.001	20.0792	14.2934142	0.00014629	No
						Upk3a	0	22.2045	inf	0.001	22.2055	14.4386294	0.00014629	No
						Upk3bl	0	10.506	inf	0.001	10.507	13.3590632	0.00014629	No
						Upp1	0.683574	7.49302	3.45438	0.684574	7.49402	3.45246142	0.00041099	No
						Uqcc	17.1095	28.0298	0.712163	17.1105	28.0308	0.712131	0.00395247	No
						UQCRB	51.8031	293.864	2.50404	51.8041	293.865	2.50401535	0.00014629	No
						Uqcrc1	73.9601	296.346	2.00246	73.9611	296.347	2.00244887	0.00014629	No
						Uqcrc2	63.779	130.486	1.03274	63.78	130.487	1.03273008	0.00014629	No
						Uqcrfs1	87.6483	277.868	1.6646	87.6493	277.869	1.66459042	0.00014629	No
						Uqcrh	549.9	834.046	0.600958	549.901	834.047	0.60095677	0.00173187	No
						Uqcrq	218.826	1708.91	2.96522	218.827	1708.911	2.9652146	0.00014629	No
						Urad	0	8.37305	inf	0.001	8.37405	13.0317098	0.00014629	No
						Urb1	7.85588	1.27089	-2.62794	7.85688	1.27189	-2.6269826	0.00014629	No
						Urb2	4.53278	1.36615	-1.73028	4.53378	1.36715	-1.7295428	0.00491494	No
						Urgcp	6.66882	20.8273	1.64297	6.66982	20.8283	1.64282536	0.00014629	No
						Uri1	48.0706	11.057	-2.1202	48.0716	11.058	-2.1200943	0.00014629	No
						Urod	30.9439	86.2012	1.47805	30.9449	86.2022	1.47802303	0.00014629	No
						Uros	1.84772	5.94753	1.68655	1.84872	5.94853	1.68600646	0.00102864	No
						Use1	121.897	328.29	1.42931	121.898	328.291	1.42930074	0.00014629	No
						Usmg5	360.41	1494.96	2.0524	360.411	1494.961	2.0523929	0.00014629	No
						Uso1	26.2276	35.023	0.417219	26.2286	35.024	0.41720306	0.044705	No
						Usp1	21.9652	5.76554	-1.92969	21.9662	5.76654	-1.9295075	0.00014629	No
						Usp10	16.9849	26.5391	0.643864	16.9859	26.5401	0.64383615	0.00114835	No
						Usp14	29.1243	15.6273	-0.898154	29.1253	15.6283	-0.8981121	0.0167972	No
						Usp15	24.8892	17.4142	-0.515259	24.8902	17.4152	-0.5152308	0.0130449	No
						Usp16	34.6696	16.5928	-1.06311	34.6706	16.5938	-1.0630685	0.018934	No
						Usp18	13.0986	5.53159	-1.24364	13.0996	5.53259	-1.2434958	0.0423845	No
						Usp20	6.8713	42.0785	2.61443	6.8723	42.0795	2.61425264	0.00014629	No
						Usp22	28.54	16.2602	-0.811639	28.541	16.2612	-0.8116022	0.00041099	No
						Usp24	40.9764	19.5297	-1.06913	40.9774	19.5307	-1.0690848	0.00014629	No
						Usp25	37.2722	13.7669	-1.4369	37.2732	13.7679	-1.4368302	0.00014629	No
						Usp28	96.9746	5.81723	-4.0592	96.9756	5.81823	-4.0589696	0.00014629	No
						Usp31	2.78956	0.596996	-2.22425	2.79056	0.597996	-2.2223469	0.00014629	No
						Usp33	25.5418	16.3604	-0.642656	25.5428	16.3614	-0.6426205	0.00252712	No
						USP34	19.7108	3.1746	-2.63434	19.7118	3.1756	-2.6339584	0.00053701	No
						Usp37	8.04945	2.72799	-1.56105	8.05045	2.72899	-1.5607023	0.00195831	No
						Usp38	22.5674	3.92216	-2.52452	22.5684	3.92316	-2.5242161	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						USP39	22.3417	9.76314	-1.19432	22.3427	9.76414	-1.1942387	0.00028114	No
						Usp40	44.8183	10.33	-2.11725	44.8193	10.331	-2.1171402	0.00014629	No
						Usp42	8.14676	2.94897	-1.46602	8.14776	2.94997	-1.4657032	0.00014629	No
						Usp45	12.4585	1.90052	-2.71267	12.4595	1.90152	-2.7120212	0.00014629	No
						Usp48	66.566	16.3699	-2.02374	66.567	16.3709	-2.0236735	0.00014629	No
						Usp53	5.44277	7.88856	0.53542	5.44377	7.88956	0.53533873	0.03544	No
						Usp6nl	11.499	3.7353	-1.62222	11.5	3.7363	-1.6219517	0.00014629	No
						Usp7	77.1287	32.4963	-1.24699	77.1297	32.4973	-1.2469666	0.00014629	No
						Usp8	15.8131	28.6217	0.855988	15.8141	28.6227	0.85594832	0.00014629	No
						Usp9x	21.5006	7.94587	-1.4361	21.5016	7.94687	-1.4359854	0.00014629	No
						Utp14a	17.0454	7.44882	-1.1943	17.0464	7.44982	-1.1941896	0.0109563	No
						Utp18	17.0029	10.2114	-0.735607	17.0039	10.2124	-0.7355437	0.00126596	No
						Utp20	5.87174	2.02711	-1.53436	5.87274	2.02811	-1.5338979	0.00014629	No
						Utp3	38.4769	24.8856	-0.628683	38.4779	24.8866	-0.6286609	0.00576532	No
						Utp6	13.4447	7.34733	-0.871747	13.4457	7.34833	-0.8716565	0.00014629	No
						Utrn	54.0224	17.3158	-1.64147	54.0234	17.3168	-1.6414121	0.00014629	No
						Vamp1	61.5262	7.89463	-2.96226	61.5272	7.89563	-2.962098	0.00014629	No
						Vamp4	21.8147	6.14589	-1.82761	21.8157	6.14689	-1.8274382	0.00014629	No
						Vamp8	71.1331	208.107	1.54873	71.1341	208.108	1.5487192	0.00014629	No
						Vangl1	0.192734	9.89091	5.68142	0.193734	9.89191	5.67410004	0.00014629	No
						Vapb	22.4177	36.0475	0.685262	22.4187	36.0485	0.68523661	0.00230432	No
						Vash2	0.0601827	6.30426	6.71083	0.0611827	6.30526	6.68728828	0.00041099	No
						Vasp	85.7804	23.8974	-1.8438	85.7814	23.8984	-1.8437508	0.00014629	No
						Vav1	39.1437	1.35812	-4.8491	39.1447	1.35912	-4.8480722	0.00014629	No
						Vav3	9.79842	7.1425	-0.456119	9.79942	7.1435	-0.4560653	0.0454028	No
						Vcan	0.112065	1.07155	3.25729	0.113065	1.07255	3.2458206	0.00659461	No
						Vcl	1.60642	8.30069	2.36938	1.60742	8.30169	2.36865812	0.00014629	No
						Vcpip1	17.3785	4.24395	-2.03383	17.3795	4.24495	-2.0335671	0.00014629	No
						Vdac1	23.795	284.589	3.58015	23.796	284.59	3.58009398	0.00014629	No
						Vdac2	86.2379	165.353	0.939151	86.2389	165.354	0.93914726	0.00014629	No
						Vdac3	77.3858	141.903	0.874767	77.3868	141.904	0.87475585	0.00014629	No
						Vdr	0.25727	41.3901	7.32986	0.25827	41.3911	7.32429671	0.00014629	No
						Vegfa	0.169081	65.059	8.58789	0.170081	65.06	8.57940503	0.00014629	No
						Vegfb	2.95151	46.7716	3.98611	2.95251	46.7726	3.98564978	0.00014629	No
						Vegfc	0.149502	1.05487	2.81884	0.150502	1.05587	2.81057766	0.0172634	No
						Veph1	0	7.32629	inf	0.001	7.32729	12.839064	0.00014629	No
						VeZF1	32.0587	14.6681	-1.12804	32.0597	14.6691	-1.1279806	0.00014629	No
						Vil1	0.0562286	28.2791	8.97422	0.0572286	28.2801	8.94883519	0.0413818	No
						Vill	0	180.752	inf	0.001	180.753	17.4636601	0.00014629	No
						Vim	356.036	181.298	-0.973656	356.037	181.299	-0.9736562	0.00014629	No
						Vipr2	5.39553	0.67333	-3.00238	5.39653	0.67433	-3.0005054	0.00014629	No
						Vkorc1	6.44715	67.7076	3.39259	6.44815	67.7086	3.39238188	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Vma21	5.35905	9.18022	0.776553	5.36005	9.18122	0.77643941	0.00459197	No
						Vmac	15.7165	31.5164	1.00382	15.7175	31.5174	1.00377676	0.00014629	No
						Vnn1	0.585813	14.0244	4.58136	0.586813	14.0254	4.57899727	0.00014629	No
						Vopp1	65.9676	16.5846	-1.99192	65.9686	16.5856	-1.9918483	0.00014629	No
						Vprbp	21.9832	9.67628	-1.18388	21.9842	9.67728	-1.1837935	0.0085437	No
						Vps13a	30.9964	7.7527	-1.99933	30.9974	7.7537	-1.9991904	0.00014629	No
						Vps13b	22.3201	7.84716	-1.5081	22.3211	7.84816	-1.5079818	0.00014629	No
						Vps13c	16.927	8.32792	-1.0233	16.928	8.32892	-1.0232102	0.00138312	No
						Vps18	1.97709	4.78903	1.27636	1.97809	4.79003	1.27592662	0.00028114	No
						Vps25	54.216	148.06	1.44939	54.217	148.061	1.44937449	0.00014629	No
						Vps29	23.3911	99.4658	2.08824	23.3921	99.4668	2.08819368	0.00014629	No
						Vps33b	12.0603	8.18003	-0.560083	12.0613	8.18103	-0.560031	0.0440092	No
						Vps36	51.7117	22.0265	-1.23125	51.7127	22.0275	-1.2312129	0.00014629	No
						Vps37b	85.8447	10.2548	-3.06543	85.8457	10.2558	-3.0653058	0.00014629	No
						Vps39	14.3245	8.60761	-0.734799	14.3255	8.60861	-0.7347333	0.00114835	No
						Vps45	8.17833	41.7854	2.35312	8.17933	41.7864	2.3529789	0.00014629	No
						Vps9d1	9.84668	67.2593	2.77202	9.84768	67.2603	2.77189943	0.00014629	No
						Vrk1	31.1801	9.7297	-1.68016	31.1811	9.7307	-1.6800563	0.00014629	No
						Vsig10	0.116862	6.07187	5.69926	0.117862	6.07287	5.68720793	0.00028114	No
						Vsig10l	1.13907	7.55319	2.72923	1.14007	7.55419	2.72815466	0.00014629	No
						Vta1	30.4706	52.646	0.788907	30.4716	52.647	0.78888607	0.00014629	No
						Vti1b	42.4858	78.3173	0.882352	42.4868	78.3183	0.88233476	0.00014629	No
						Vwa7	0.0468397	3.8898	6.37582	0.0478397	3.8908	6.34571467	0.0400829	No
						Vwa8	7.91157	50.2295	2.6665	7.91257	50.2305	2.66634537	0.00014629	No
						Vwf	16.9391	8.3861	-1.01428	16.9401	8.3871	-1.0141984	0.00014629	No
						Wac	122.984	34.7711	-1.82251	122.985	34.7721	-1.8224803	0.00014629	No
						Wapal	42.1106	11.3607	-1.89014	42.1116	11.3617	-1.890039	0.00014629	No
						Was	106.622	7.43844	-3.84136	106.623	7.43944	-3.8411808	0.00014629	No
						Wasf1	0.0682096	2.01526	4.88485	0.0692096	2.01626	4.86456571	0.0110564	No
						Wasf2	44.8843	8.8139	-2.34836	44.8853	8.8149	-2.3482269	0.00014629	No
						Wasf3	0	2.31683	inf	0.001	2.31783	11.178559	0.00014629	No
						Wash	50.3558	153.436	1.60741	50.3568	153.437	1.60738791	0.00014629	No
						Wbp1	54.4353	101.519	0.899132	54.4363	101.52	0.89912306	0.00014629	No
						Wbp1l	67.2207	21.0391	-1.67583	67.2217	21.0401	-1.6757855	0.00014629	No
						Wbp5	9.37491	134.463	3.84226	9.37591	134.464	3.84211744	0.00014629	No
						Wbscr16	8.34204	15.78	0.919627	8.34304	15.781	0.91954356	0.00028114	No
						Wbscr27	10.6732	17.4516	0.709361	10.6742	17.4526	0.70931403	0.0245946	No
						Wdfy1	1.72937	14.9714	3.11389	1.73037	14.9724	3.11315303	0.00014629	No
						Wdfy3	0.04397	11.0068	7.96766	0.04497	11.0078	7.93534756	0.00014629	No
						Wdhd1	5.88148	0.594933	-3.30538	5.88248	0.595933	-3.3032025	0.0314513	No
						Wdpcp	0.602557	4.58522	2.92782	0.603557	4.58622	2.92574363	0.00395247	No
						Wdr11	6.13962	18.8404	1.61761	6.14062	18.8414	1.61744993	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wdr19	0.359479	1.68412	2.22801	0.360479	1.68512	2.22486421	0.00102864	No
						Wdr20	18.2819	8.85785	-1.04539	18.2829	8.85885	-1.0453036	0.00028114	No
						Wdr25	18.9491	8.24824	-1.19997	18.9501	8.24924	-1.1998723	0.00114835	No
						Wdr26	80.8526	14.7115	-2.45835	80.8536	14.7125	-2.4582696	0.00014629	No
						Wdr3	18.7114	6.58896	-1.5058	18.7124	6.58996	-1.505653	0.00014629	No
						Wdr33	15.5966	24.615	0.65831	15.5976	24.616	0.65827229	0.00395247	No
						Wdr34	2.62291	33.8631	3.69048	2.62391	33.8641	3.68996651	0.0475835	No
						Wdr35	0.745458	10.38	3.79954	0.746458	10.381	3.79774053	0.00014629	No
						Wdr36	26.3487	13.4678	-0.968222	26.3497	13.4688	-0.9681652	0.00053701	No
						Wdr37	11.7575	4.36635	-1.42908	11.7585	4.36735	-1.428874	0.00014629	No
						Wdr41	15.213	9.97817	-0.608459	15.214	9.97917	-0.6084078	0.0195955	No
						Wdr43	31.4151	7.72723	-2.02343	31.4161	7.72823	-2.0232942	0.00014629	No
						Wdr44	7.51802	1.61254	-2.22102	7.51902	1.61354	-2.2203153	0.00014629	No
						Wdr5	28.3382	14.5079	-0.965912	28.3392	14.5089	-0.9658609	0.00014629	No
						Wdr54	0.0406723	24.8117	9.25276	0.0416723	24.8127	9.21777429	0.0494152	No
						WDR55	122.656	67.3823	-0.864175	122.657	67.3833	-0.8641666	0.00014629	No
						Wdr6	10.0738	22.7647	1.17618	10.0748	22.7657	1.17611062	0.00014629	No
						Wdr60	0.311304	4.97436	3.99812	0.312304	4.97536	3.99377797	0.00014629	No
						Wdr61	20.6355	35.0802	0.765529	20.6365	35.0812	0.76549979	0.00149937	No
						Wdr7	4.82938	2.52164	-0.937475	4.83038	2.52264	-0.9372024	0.00014629	No
						Wdr70	19.8593	11.5638	-0.780208	19.8603	11.5648	-0.7801471	0.00689996	No
						Wdr72	0	19.4649	inf	0.001	19.4659	14.2486614	0.00014629	No
						Wdr73	5.59565	25.6388	2.19595	5.59665	25.6398	2.19574958	0.00014629	No
						Wdr74	20.9398	34.4726	0.719204	20.9408	34.4736	0.71917541	0.00438237	No
						Wdr75	27.4099	13.4923	-1.02256	27.4109	13.4933	-1.0225065	0.00014629	No
						Wdr76	5.61976	0.632412	-3.15157	5.62076	0.633412	-3.1495491	0.00014629	No
						Wdr91	13.3772	75.0062	2.48723	13.3782	75.0072	2.48714507	0.00014629	No
						Wdsub1	1.75134	10.0984	2.52759	1.75234	10.0994	2.52691496	0.00014629	No
						Wfdc1	0	2.18151	inf	0.001	2.18251	11.0917725	0.00014629	No
						Wfdc10	0	4.12846	inf	0.001	4.12946	12.0117374	0.00014629	No
						Wfdc3	0	7.11471	inf	0.001	7.11571	12.796792	0.011151	No
						Wfs1	0.516846	3.80052	2.87839	0.517846	3.80152	2.87598135	0.00014629	No
						Whsc1	4.14787	16.577	1.99874	4.14887	16.578	1.99847961	0.00014629	No
						Wibg	102.447	31.5157	-1.70073	102.448	31.5167	-1.7007034	0.00014629	No
						Wipf3	7.83064	0.456975	-4.09894	7.83164	0.457975	-4.0959737	0.00138312	No
						Wipi1	0.112789	15.8711	7.13664	0.113789	15.8721	7.12398811	0.00053701	No
						Wisp3	7.06798	1.73393	-2.02725	7.06898	1.73493	-2.0266246	0.00523722	No
						Wls	4.85192	93.7	4.27142	4.85292	93.701	4.27113946	0.00014629	No
						Wnk1	35.6172	24.6806	-0.529196	35.6182	24.6816	-0.5291787	0.0224797	No
						Wnt7b	0	17.1394	inf	0.001	17.1404	14.0651132	0.00014629	No
						Wrb	3.9597	12.6515	1.67584	3.9607	12.6525	1.67559514	0.00014629	No
						Wrn	12.4506	3.79311	-1.71476	12.4516	3.79411	-1.7144977	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wsb2	8.57128	47.7879	2.47906	8.57228	47.7889	2.47892468	0.00014629	No
						Wscd1	0.139486	1.9587	3.8117	0.140486	1.9597	3.80213454	0.00014629	No
						Wtap	65.7692	17.8507	-1.88143	65.7702	17.8517	-1.8813726	0.00014629	No
						Wwc1	0.118723	92.654	9.60811	0.119723	92.655	9.59602469	0.00114835	No
						Wwc2	0.173502	26.9079	7.27693	0.174502	26.9089	7.26869603	0.00352183	No
						Wwc3	1.38052	4.26786	1.6283	1.38152	4.26886	1.6275944	0.00014629	No
						Wwox	4.20027	18.1926	2.1148	4.20127	18.1936	2.11453363	0.00014629	No
						Wwp1	0.847404	29.6188	5.12732	0.848404	29.6198	5.12566667	0.00014629	No
						XAF1	21.4344	3.22454	-2.73276	21.4354	3.22554	-2.7323827	0.00014629	No
						XBP1	20.7093	51.2674	1.30776	20.7103	51.2684	1.30772142	0.00014629	No
						Xcl1	1.57321	14.838	3.23751	1.57421	14.839	3.23669396	0.00384649	No
						Xdh	0.784965	12.0413	3.93922	0.785965	12.0423	3.93750208	0.00014629	No
						Xiap	22.0734	7.60421	-1.53744	22.0744	7.60521	-1.5373142	0.00014629	No
						Xkrx	19.5513	1.19785	-4.02874	19.5523	1.19885	-4.0276153	0.0300623	No
						Xpnpep1	16.5245	274.737	4.05538	16.5255	274.738	4.05529064	0.00014629	No
						Xpnpep2	0.208081	19.7433	6.56807	0.209081	19.7443	6.56123045	0.00014629	No
						Xpo1	39.9743	15.7988	-1.33926	39.9753	15.7998	-1.3392026	0.00014629	No
						Xpo4	9.71127	2.61354	-1.89366	9.71227	2.61454	-1.8932514	0.00014629	No
						Xpot	7.26412	14.7079	1.01773	7.26512	14.7089	1.01763083	0.00014629	No
						Xpr1	9.71171	6.49434	-0.580543	9.71271	6.49534	-0.5804688	0.0358739	No
						Xrcc1	27.0408	52.5825	0.959446	27.0418	52.5835	0.95941899	0.00014629	No
						Xrcc6bp1	6.84141	43.9145	2.68233	6.84241	43.9155	2.68215377	0.00014629	No
						Xrn2	59.0889	12.8469	-2.20147	59.0899	12.8479	-2.201379	0.00014629	No
						Xxylt1	5.25826	10.7318	1.02924	5.25926	10.7328	1.02909477	0.00230432	No
						Xylb	5.72036	291.128	5.6694	5.72136	291.129	5.66915662	0.00014629	No
						Xylt2	28.3421	10.2121	-1.47267	28.3431	10.2131	-1.4725767	0.00014629	No
						Yae1d1	4.45217	7.62336	0.775919	4.45317	7.62436	0.77578355	0.00384649	No
						Ybx1	127.256	250.079	0.974649	127.257	250.08	0.97464467	0.00014629	No
						Yeats4	40.9954	25.4477	-0.687926	40.9964	25.4487	-0.6879053	0.00384649	No
						Yes1	0	5.90991	inf	0.001	5.91091	12.5291645	0.00014629	No
						Yif1a	10.2194	29.6317	1.53582	10.2204	29.6327	1.53573842	0.00014629	No
						Yif1b	20.4615	34.3954	0.749305	20.4625	34.3964	0.74927516	0.0418893	No
						YME1L1	13.9976	5.18422	-1.43298	13.9986	5.18522	-1.4328054	0.00014629	No
						Ypel3	317.544	122.793	-1.37072	317.545	122.794	-1.370721	0.00014629	No
						Yrdc	36.0893	17.3673	-1.0552	36.0903	17.3683	-1.0551546	0.00812679	No
						Ythdc1	78.2468	30.8555	-1.3425	78.2478	30.8565	-1.3424758	0.00014629	No
						Ythdc2	10.1434	2.011	-2.33456	10.1444	2.012	-2.3339813	0.00014629	No
						Ythdf1	30.9804	16.491	-0.909676	30.9814	16.492	-0.909636	0.00014629	No
						Ythdf2	20.3568	9.63324	-1.07942	20.3578	9.63424	-1.0793389	0.00138312	No
						Ythdf3	32.2332	15.9904	-1.01134	32.2342	15.9914	-1.0112959	0.00014629	No
						Ywhab	113.08	66.2867	-0.770553	113.081	66.2877	-0.7705434	0.00014629	No
						Ywhae	114.653	259.795	1.1801	114.654	259.796	1.18009253	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ywhag	11.4007	32.6861	1.51955	11.4017	32.6871	1.51947244	0.00014629	No
						Ywhah	143.624	95.5519	-0.587936	143.625	95.5529	-0.5879353	0.00307875	No
						Ywhaq	134.953	89.6754	-0.589667	134.954	89.6764	-0.5896675	0.00219102	No
						YWHAZ	326.629	187.742	-0.798905	326.63	187.743	-0.7988982	0.00041099	No
						Yy1	50.0045	28.168	-0.828004	50.0055	28.169	-0.8279784	0.0107557	No
						Zadh2	7.93546	14.5209	0.871748	7.93646	14.5219	0.87166267	0.00014629	No
						Zak	1.10607	7.11297	2.68501	1.10707	7.11397	2.68390844	0.00014629	No
						Zap70	127.525	20.1093	-2.66484	127.526	20.1103	-2.6647849	0.00014629	No
						Zbed3	5.69853	14.5097	1.34835	5.69953	14.5107	1.34820226	0.00014629	No
						Zbed4	6.49004	2.86041	-1.182	6.49104	2.86141	-1.1817234	0.00014629	No
						Zbp1	64.4608	23.6227	-1.44825	64.4618	23.6237	-1.4482095	0.00014629	No
						Zbtb1	27.4817	4.58677	-2.58292	27.4827	4.58777	-2.5826588	0.00014629	No
						Zbtb11	14.7667	5.19749	-1.50646	14.7677	5.19849	-1.5062806	0.0336436	No
						Zbtb25	10.0521	1.05372	-3.25393	10.0531	1.05472	-3.2527085	0.00053701	No
						Zbtb32	5.66289	2.57602	-1.1364	5.66389	2.57702	-1.1360895	0.0112518	No
						Zbtb34	9.53689	0.946507	-3.33283	9.53789	0.947507	-3.3314616	0.00014629	No
						Zbtb37	2.94866	0.533393	-2.46679	2.94966	0.534393	-2.4645757	0.00014629	No
						Zbtb38	2.53368	4.19528	0.727532	2.53468	4.19628	0.72730733	0.00994441	No
						Zbtb41	4.27454	2.18297	-0.969475	4.27554	2.18397	-0.9691536	0.00053701	No
						Zbtb42	1.62833	3.37195	1.05018	1.62933	3.37295	1.0497321	0.00720409	No
						Zbtb43	7.30628	3.4586	-1.07895	7.30728	3.4596	-1.0787292	0.00014629	No
						Zbtb44	24.5695	5.44508	-2.17385	24.5705	5.44608	-2.1736371	0.00014629	No
						Zbtb48	5.31132	16.4431	1.63034	5.31232	16.4441	1.63015609	0.00014629	No
						Zbtb6	9.21363	2.66471	-1.78979	9.21463	2.66571	-1.7894064	0.00014629	No
						Zbtb7c	0.0514585	1.59111	4.95048	0.0524585	1.59211	4.92361965	0.00513162	No
						Zbtb8a	0.35321	3.03141	3.10139	0.35421	3.03241	3.09778798	0.0102511	No
						Zbtb8os	41.5535	84.7786	1.02873	41.5545	84.7796	1.02871244	0.00102864	No
						Zc3h11a	67.0318	17.9855	-1.89801	67.0328	17.9865	-1.8979527	0.00014629	No
						Zc3h12a	8.27588	5.52425	-0.583134	8.27688	5.52525	-0.5830473	0.0476655	No
						Zc3h12d	46.4292	2.46529	-4.2352	46.4302	2.46629	-4.2346491	0.00014629	No
						Zc3h13	18.4389	11.0344	-0.740743	18.4399	11.0354	-0.7406919	0.00090728	No
						Zc3h15	69.8835	39.2709	-0.83149	69.8845	39.2719	-0.8314751	0.00014629	No
						Zc3h4	25.75	9.6765	-1.41202	25.751	9.6775	-1.4119222	0.00014629	No
						Zc3h7a	100.681	15.6686	-2.68385	100.682	15.6696	-2.6837655	0.00014629	No
						Zc3hav1	85.3065	4.89605	-4.12296	85.3075	4.89705	-4.1226878	0.00014629	No
						Zc4h2	6.67964	2.71726	-1.29762	6.68064	2.71826	-1.2973029	0.00078603	No
						Zcchc11	13.3376	2.642	-2.33579	13.3386	2.643	-2.3353589	0.00014629	No
						Zcchc18	3.84722	0	-inf	3.84822	0.001	-11.909976	0.00014629	No
						Zcchc2	31.1686	3.6726	-3.08522	31.1696	3.6736	-3.0848732	0.00014629	No
						Zcchc6	29.2429	8.91625	-1.71358	29.2439	8.91725	-1.713465	0.00014629	No
						Zcchc7	58.4187	19.9485	-1.55015	58.4197	19.9495	-1.5501024	0.00014629	No
						Zcchc8	33.1546	13.8249	-1.26194	33.1556	13.8259	-1.2618792	0.00014629	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zcchc9	27.0972	16.5224	-0.713718	27.0982	16.5234	-0.7136864	0.00173187	No
						Zdhhc1	0.329063	27.4171	6.38057	0.330063	27.4181	6.37624337	0.00014629	No
						Zdhhc14	9.02401	3.96016	-1.18821	9.02501	3.96116	-1.1880056	0.020542	No
						Zdhhc15	0.112488	6.34054	5.81676	0.113488	6.34154	5.80422157	0.0128484	No
						Zdhhc17	21.479	3.72728	-2.52673	21.48	3.72828	-2.5264119	0.00014629	No
						ZDHC2	0.0871497	5.52436	5.98617	0.0881497	5.52536	5.969969	0.00028114	No
						Zdhhc20	12.046	4.43978	-1.43999	12.047	4.44078	-1.4397889	0.00014629	No
						Zdhhc23	1.09769	6.31091	2.52338	1.09869	6.31191	2.52229225	0.00014629	No
						Zdhhc24	3.48335	1.94743	-0.838906	3.48435	1.94843	-0.8385774	0.0484417	No
						Zdhhc4	17.2227	32.9882	0.937638	17.2237	32.9892	0.9375987	0.00014629	No
						Zdhhc8	10.1767	6.39017	-0.67135	10.1777	6.39117	-0.6712596	0.0170801	No
						Zdhhc9	4.45741	10.4993	1.23602	4.45841	10.5003	1.23582935	0.00014629	No
						Zeb1	9.31192	2.14719	-2.11663	9.31292	2.14819	-2.116112	0.00014629	No
						Zfand3	59.963	39.5069	-0.601968	59.964	39.5079	-0.6019555	0.0182953	No
						Zfand5	23.4421	34.021	0.537323	23.4431	34.022	0.5373046	0.00843988	No
						Zfand6	111.454	53.3298	-1.06344	111.455	53.3308	-1.0634205	0.00014629	No
						Zfat	43.5901	3.46468	-3.65321	43.5911	3.46568	-3.6528233	0.00014629	No
						Zfc3h1	66.8497	9.44272	-2.82365	66.8507	9.44372	-2.8235155	0.00014629	No
						Zfp101	8.64326	1.25611	-2.78261	8.64426	1.25711	-2.7816316	0.00014629	No
						Zfp105	4.17279	7.04325	0.755228	4.17379	7.04425	0.7550881	0.023877	No
						Zfp112	0.580025	1.38198	1.25255	0.581025	1.38298	1.25110815	0.0194106	No
						Zfp120	9.57805	1.63338	-2.55187	9.57905	1.63438	-2.5511391	0.00014629	No
						Zfp128	4.90237	2.1903	-1.16235	4.90337	2.1913	-1.1619866	0.00090728	No
						Zfp131	31.2708	5.41221	-2.53053	31.2718	5.41321	-2.530306	0.00014629	No
						Zfp142	22.0471	10.82	-1.02688	22.0481	10.821	-1.0268205	0.00028114	No
						Zfp143	10.0298	6.45944	-0.634813	10.0308	6.46044	-0.6347323	0.0103501	No
						Zfp146	23.0192	7.11716	-1.69347	23.0202	7.11816	-1.6933241	0.00669647	No
						Zfp157	6.9714	3.67248	-0.924695	6.9724	3.67348	-0.9245079	0.00730705	No
						Zfp161	12.3466	5.66167	-1.12481	12.3476	5.66267	-1.1246763	0.00480938	No
						Zfp167	0.268426	1.18349	2.14045	0.269426	1.18449	2.13630503	0.00491494	No
						Zfp169	4.10479	0.7194	-2.51244	4.10579	0.7204	-2.5107898	0.00014629	No
						Zfp18	16.6035	10.2486	-0.696067	16.6045	10.2496	-0.6960067	0.00659461	No
						Zfp180	17.8346	10.7526	-0.729994	17.8356	10.7536	-0.72994	0.00041099	No
						Zfp182	10.9521	2.30429	-2.24881	10.9531	2.30529	-2.2483191	0.00014629	No
						Zfp185	0.0322027	7.16881	7.79841	0.0332027	7.16981	7.75449051	0.0256152	No
						Zfp187	60.7655	9.67601	-2.65077	60.7665	9.67701	-2.6506429	0.00014629	No
						Zfp189	1.92374	3.33056	0.791852	1.92474	3.33156	0.7915343	0.0434133	No
						Zfp192	2.45018	1.18815	-1.04417	2.45118	1.18915	-1.0435457	0.00184429	No
						ZFP212	14.1014	4.48525	-1.65258	14.1024	4.48625	-1.6523588	0.00014629	No
						Zfp213	6.88085	12.3621	0.845268	6.88185	12.3631	0.84517219	0.00523722	No
						Zfp217	19.137	4.81046	-1.99212	19.138	4.81146	-1.9918934	0.00014629	No
						Zfp236	14.1988	2.40955	-2.55893	14.1998	2.41055	-2.5584364	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp238	34.663	8.33906	-2.05544	34.664	8.34006	-2.0553085	0.00014629	No
						Zfp251	6.49615	3.73572	-0.798199	6.49715	3.73672	-0.7980345	0.00914429	No
						Zfp259	56.5262	32.0239	-0.819769	56.5272	32.0249	-0.8197512	0.00014629	No
						Zfp26	9.21558	2.30219	-2.00107	9.21658	2.30319	-2.0005981	0.00014629	No
						Zfp263	7.43263	3.08209	-1.26996	7.43363	3.08309	-1.2696899	0.00014629	No
						Zfp275	6.80812	1.17178	-2.53856	6.80912	1.17278	-2.537536	0.00014629	No
						Zfp277	21.2986	40.578	0.92994	21.2996	40.579	0.92990698	0.00014629	No
						Zfp280b	1.43202	0.666849	-1.10262	1.43302	0.667849	-1.1014649	0.0104529	No
						Zfp280c	4.93501	1.40169	-1.81588	4.93601	1.40269	-1.8151491	0.00014629	No
						Zfp280d	22.3489	7.5961	-1.55687	22.3499	7.5971	-1.5567477	0.00014629	No
						Zfp281	10.1794	2.16884	-2.23066	10.1804	2.16984	-2.2301337	0.00014629	No
						Zfp282	2.74711	4.11699	0.583678	2.74811	4.11799	0.58350057	0.0426261	No
						Zfp287	6.80266	3.44943	-0.979742	6.80366	3.45043	-0.9795349	0.00427532	No
						Zfp292	14.0823	2.1211	-2.73099	14.0833	2.1221	-2.7304209	0.00014629	No
						Zfp316	1.0857	2.58179	1.24975	1.0867	2.58279	1.24897663	0.00252712	No
						Zfp317	11.196	3.13429	-1.83677	11.197	3.13529	-1.8364414	0.00014629	No
						Zfp319	3.94732	1.01552	-1.95866	3.94832	1.01652	-1.9576003	0.00028114	No
						ZFP324	3.70218	1.47117	-1.33141	3.70318	1.47217	-1.3308204	0.00014629	No
						Zfp329	2.09504	0.833269	-1.33012	2.09604	0.834269	-1.3290817	0.00014629	No
						Zfp330	28.8225	17.4248	-0.726053	28.8235	17.4258	-0.7260206	0.00184429	No
						Zfp346	5.31652	13.9036	1.3869	5.31752	13.9046	1.38673678	0.00014629	No
						Zfp347	11.3958	2.57985	-2.14315	11.3968	2.58085	-2.1427106	0.011151	No
						Zfp354a	0.531222	28.2061	5.73055	0.532222	28.2071	5.72788639	0.00014629	No
						Zfp354c	4.94516	0.366647	-3.75355	4.94616	0.367647	-3.7499158	0.00014629	No
						Zfp3612	456.216	37.0959	-3.62039	456.217	37.0969	-3.6203497	0.00014629	No
						Zfp382	2.73232	0.710803	-1.9426	2.73332	0.711803	-1.9411045	0.00252712	No
						Zfp383	5.54416	2.16603	-1.35592	5.54516	2.16703	-1.35551	0.00014629	No
						Zfp384	34.9015	25.4342	-0.456521	34.9025	25.4352	-0.4565039	0.0352589	No
						Zfp385b	0	6.35763	inf	0.001	6.35863	12.6345002	0.00014629	No
						Zfp385c	14.7888	1.67903	-3.1388	14.7898	1.68003	-3.1380436	0.00751085	No
						Zfp386	56.191	13.6837	-2.03788	56.192	13.6847	-2.0378009	0.00014629	No
						Zfp394	16.0286	4.88762	-1.71345	16.0296	4.88862	-1.7132393	0.00014629	No
						Zfp398	4.51454	1.43603	-1.65249	4.51554	1.43703	-1.6518083	0.00014629	No
						Zfp40	2.95101	0.389205	-2.92261	2.95201	0.390205	-2.9193934	0.00014629	No
						Zfp407	11.5927	4.81637	-1.26719	11.5937	4.81737	-1.2670234	0.0141124	No
						Zfp41	2.95151	1.04401	-1.49931	2.95251	1.04501	-1.4984252	0.00028114	No
						Zfp414	21.678	34.9081	0.687335	21.679	34.9091	0.68730495	0.00330073	No
						Zfp418	0.285243	1.28983	2.17692	0.286243	1.29083	2.17298669	0.00090728	No
						Zfp422	15.681	11.1114	-0.496977	15.682	11.1124	-0.4969391	0.0413818	No
						Zfp428	2.73805	6.75218	1.30221	2.73905	6.75318	1.30189141	0.0373986	No
						Zfp444	10.6933	23.6244	1.14357	10.6943	23.6254	1.1434967	0.00053701	No
						Zfp445	10.6764	5.90097	-0.855396	10.6774	5.90197	-0.8552919	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp455	42.1379	12.1753	-1.79116	42.1389	12.1763	-1.7910768	0.00014629	No
						Zfp462	0.0909462	7.62683	6.38993	0.0919462	7.62783	6.37433893	0.00669647	No
						Zfp467	5.92242	14.055	1.24682	5.92342	14.056	1.24668381	0.00014629	No
						Zfp472	22.5503	3.38142	-2.73744	22.5513	3.38242	-2.7370829	0.00014629	No
						Zfp496	13.2661	7.27972	-0.865785	13.2671	7.28072	-0.8657	0.00028114	No
						Zfp498	10.8119	4.93052	-1.13281	10.8129	4.93152	-1.1326492	0.0077167	No
						Zfp503	0.111502	22.4719	7.65491	0.112502	22.4729	7.64209185	0.00149937	No
						Zfp507	9.9065	2.15715	-2.19925	9.9075	2.15815	-2.1987259	0.00014629	No
						Zfp512b	13.137	8.52398	-0.624031	13.138	8.52498	-0.6239773	0.00384649	No
						Zfp518a	6.01096	1.45732	-2.04428	6.01196	1.45832	-2.0435281	0.00014629	No
						Zfp52	25.2098	7.55606	-1.73828	25.2108	7.55706	-1.7381449	0.00014629	No
						Zfp523	4.79248	22.9274	2.25823	4.79348	22.9284	2.25799037	0.00014629	No
						Zfp54	60.9735	11.3064	-2.43105	60.9745	11.3074	-2.4309388	0.00014629	No
						Zfp553	6.93445	4.29502	-0.691115	6.93545	4.29602	-0.6909888	0.0185598	No
						Zfp574	3.01106	10.798	1.84242	3.01206	10.799	1.84207531	0.00014629	No
						Zfp592	13.5677	7.82188	-0.794586	13.5687	7.82288	-0.7945108	0.00014629	No
						Zfp597	5.72842	2.00083	-1.51754	5.72942	2.00183	-1.5170696	0.00066215	No
						Zfp61	23.2526	37.7054	0.697381	23.2536	37.7064	0.69735533	0.00689996	No
						Zfp612	1.65299	4.12992	1.32104	1.65399	4.13092	1.32051261	0.00014629	No
						Zfp626	3.27903	0.652422	-2.32939	3.28003	0.653422	-2.3276221	0.00195831	No
						Zfp628	8.96046	2.78697	-1.68488	8.96146	2.78797	-1.6845188	0.00014629	No
						Zfp652	27.9412	8.27559	-1.75546	27.9422	8.27659	-1.7553372	0.00014629	No
						Zfp654	11.3847	2.59503	-2.13328	11.3857	2.59603	-2.132844	0.00014629	No
						Zfp68	13.4751	6.91696	-0.96208	13.4761	6.91796	-0.9619845	0.00014629	No
						Zfp691	2.59293	9.90012	1.93286	2.59393	9.90112	1.93245218	0.00014629	No
						Zfp709	7.22424	2.46696	-1.55011	7.22524	2.46796	-1.5497265	0.00014629	No
						Zfp746	14.5807	6.66944	-1.12842	14.5817	6.67044	-1.1283051	0.00041099	No
						Zfp768	0.211861	10.9083	5.68617	0.212861	10.9093	5.67950308	0.00014629	No
						Zfp770	2.38523	0.705169	-1.75809	2.38623	0.706169	-1.7566477	0.00149937	No
						Zfp771	20.3537	63.0799	1.63189	20.3547	63.0809	1.63184129	0.00014629	No
						Zfp775	5.90612	25.9727	2.13671	5.90712	25.9737	2.13652472	0.00014629	No
						Zfp777	18.744	10.6521	-0.815297	18.745	10.6531	-0.8152325	0.00078603	No
						Zfp787	9.27637	18.9851	1.03324	9.27737	18.9861	1.0331558	0.00028114	No
						Zfp788	13.9932	4.45449	-1.65139	13.9942	4.45549	-1.651173	0.00014629	No
						Zfp799	3.37931	1.24866	-1.43634	3.38031	1.24966	-1.4356199	0.00014629	No
						Zfp800	19.7221	3.19802	-2.62456	19.7231	3.19902	-2.6241844	0.00014629	No
						Zfp81	3.11571	0.202613	-3.94276	3.11671	0.203613	-3.9361223	0.0234023	No
						Zfp821	10.2596	19.2008	0.904194	10.2606	19.2018	0.90412646	0.00184429	No
						Zfp830	17.384	9.44305	-0.880437	17.385	9.44405	-0.8803655	0.00296747	No
						Zfp84	9.05721	3.34599	-1.43663	9.05821	3.34699	-1.4363617	0.00014629	No
						Zfp85	3.29855	1.193	-1.46724	3.29955	1.194	-1.4664664	0.0112518	No
						Zfp850	4.79778	1.78259	-1.42839	4.79878	1.78359	-1.4278837	0.0172634	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp862	4.21423	0.416386	-3.33928	4.21523	0.417386	-3.3361572	0.00014629	No
						Zfp866	6.10811	2.63118	-1.21502	6.10911	2.63218	-1.2147041	0.00173187	No
						Zfp868	100.383	25.0827	-2.00075	100.384	25.0837	-2.0007073	0.00014629	No
						ZFP87	13.587	6.83212	-0.991827	13.588	6.83312	-0.9917168	0.00014629	No
						Zfp870	0.221234	1.41253	2.67464	0.222234	1.41353	2.66915104	0.00576532	No
						Zfp871	15.4376	6.00848	-1.36138	15.4386	6.00948	-1.3612299	0.00014629	No
						Zfp882	3.38967	1.02568	-1.72457	3.39067	1.02668	-1.7235838	0.016989	No
						Zfp943	10.0338	3.35654	-1.57982	10.0348	3.35754	-1.5795354	0.00114835	No
						Zfp954	5.67581	8.81308	0.63482	5.67681	8.81408	0.63472953	0.0487963	No
						Zfp955a	3.0029	5.05002	0.749932	3.0039	5.05102	0.74973797	0.0233164	No
						Zfp956	10.2185	2.3704	-2.10797	10.2195	2.3714	-2.1075137	0.00014629	No
						Zfp958	52.7029	33.8859	-0.637195	52.7039	33.8869	-0.6371821	0.0477475	No
						Zfp961	4.86235	1.5194	-1.67815	4.86335	1.5204	-1.6774995	0.00102864	No
						Zfpm1	23.702	5.9962	-1.98289	23.703	5.9972	-1.9827087	0.00014629	No
						ZFR	22.4067	13.6743	-0.712462	22.4077	13.6753	-0.7124221	0.00053701	No
						Zfx	16.3095	3.90068	-2.06391	16.3105	3.90168	-2.0636336	0.00014629	No
						Zfyve16	1.26958	7.5719	2.5763	1.27058	7.5729	2.57535866	0.00014629	No
						Zfyve19	17.6408	40.7807	1.20897	17.6418	40.7817	1.20892415	0.00014629	No
						Zfyve20	10.1805	4.34686	-1.22776	10.1815	4.34786	-1.2275727	0.026232	No
						Zfyve21	2.71267	61.5532	4.50405	2.71367	61.5542	4.5035401	0.00014629	No
						Zfyve27	13.2196	8.09214	-0.708087	13.2206	8.09314	-0.7080162	0.00448672	No
						Zfyve9	0.0797443	4.59685	5.84912	0.0807443	4.59785	5.83145517	0.00041099	No
						Zhx3	7.25158	22.6542	1.64341	7.25258	22.6552	1.64327602	0.0176431	No
						Zmat3	3.71357	1.54431	-1.26585	3.71457	1.54531	-1.2652989	0.00014629	No
						Zmiz1	37.4828	20.609	-0.862956	37.4838	20.61	-0.8629227	0.00014629	No
						Zmym1	19.7573	6.7436	-1.5508	19.7583	6.7446	-1.550654	0.00014629	No
						Zmym2	30.6608	12.4799	-1.29678	30.6618	12.4809	-1.2967204	0.00014629	No
						Zmym4	6.53075	3.2055	-1.0267	6.53175	3.2065	-1.0264702	0.00014629	No
						Zmynd11	47.3041	23.5784	-1.0045	47.3051	23.5794	-1.0044687	0.00014629	No
						Zmynd15	0.063266	19.2513	8.24931	0.064266	19.2523	8.22675941	0.0149808	No
						Zmynd8	58.1502	17.8911	-1.70054	58.1512	17.8921	-1.7004862	0.00014629	No
						Znhit1	22.8714	76.8479	1.74846	22.8724	76.8489	1.74841685	0.00014629	No
						Znhit2	8.18335	18.9635	1.21246	8.18435	18.9645	1.21236159	0.0255267	No
						Znhit6	15.9471	32.2102	1.01423	15.9481	32.2112	1.01417785	0.0369619	No
						Znrd1	94.8119	49.2682	-0.94441	94.8129	49.2692	-0.9443973	0.00014629	No
						Znrf2	42.6267	10.0592	-2.08324	42.6277	10.0602	-2.0831322	0.00014629	No
						Znrf3	4.71808	1.83289	-1.36408	4.71908	1.83389	-1.3635985	0.00078603	No
						Zpbp2	24.5746	12.6943	-0.952984	24.5756	12.6953	-0.9529322	0.0308581	No
						Zranb1	11.5275	4.73202	-1.28456	11.5285	4.73302	-1.2843719	0.0283457	No
						Zranb3	2.87286	1.27202	-1.17536	2.87386	1.27302	-1.1747347	0.00352183	No
						ZSCAN12	4.12233	9.78208	1.24668	4.12333	9.78308	1.24647881	0.00285806	No
						Zscan20	1.43634	5.04029	1.81111	1.43734	5.04129	1.81039158	0.00014629	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zscan21	5.26381	8.83692	0.747437	5.26481	8.83792	0.7473254	0.0177285	No
						Zscan22	5.22438	3.2336	-0.692117	5.22538	3.2346	-0.6919486	0.0228585	No
						Zswim5	4.47646	2.25556	-0.988875	4.47746	2.25656	-0.9885554	0.00459197	No
						Zswim6	17.7839	3.43874	-2.37062	17.7849	3.43974	-2.3702814	0.00014629	No
						Zswim8	24.251	51.541	1.08768	24.252	51.542	1.08764479	0.00307875	No
						Zufsp	39.2841	20.1833	-0.960787	39.2851	20.1843	-0.9607487	0.00363169	No
						Zw10	11.9587	7.10354	-0.751448	11.9597	7.10454	-0.7513681	0.00395247	No
						Zyg11b	5.50754	2.77455	-0.989154	5.50854	2.77555	-0.9888963	0.00014629	No
						Zzef1	15.7393	3.24443	-2.27833	15.7403	3.24543	-2.2779815	0.00014629	No
						Zzz3	21.2957	9.70666	-1.13352	21.2967	9.70766	-1.1334344	0.00014629	No

Figure 3C CRLHS

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
42986	0.069279	0.018516	-0.050763	0.00020718	Yes	42986	0.0978393	24.5921	7.97356	0.0988393	24.5931	7.95895309	0.00014386	Yes
42987	0.72378	0.084102	-0.639678	2.85E-09	Yes	42987	288.774	42.3612	-2.76913	288.775	42.3622	-2.7690964	0.00014386	Yes
Aard	0.18531	0.044705	-0.140605	0.00031293	Yes	Aard	0	2.42335	inf	0.001	2.42435	11.2433823	0.00014386	Yes
Abcb9	0.60601	0.22116	-0.38485	0.00014055	Yes	Abcb9	0.0958012	3.09845	5.01536	0.0968012	3.09945	5.00084349	0.00649235	Yes
Abhd14a	0.1417	0.030245	-0.111455	6.17E-07	Yes	Abhd14a	2.60346	35.1861	3.7565	2.60446	35.1871	3.75599043	0.00014386	Yes
Abhd8	0.48077	0.16988	-0.31089	2.80E-05	Yes	Abhd8	6.69735	17.8431	1.4137	6.69835	17.8441	1.41356947	0.00014386	Yes
Abo	0.19747	0.036022	-0.161448	0.0038486	Yes	Abo	0	6.88002	inf	0.001	6.88102	12.7484067	0.00014386	Yes
Acbd4	0.93029	0.21395	-0.71634	4.71E-07	Yes	Acbd4	12.5247	53.0203	2.08178	12.5257	53.0213	2.08168081	0.00014386	Yes
Acer2	0.2552	0.044266	-0.210934	4.44E-05	Yes	Acer2	0.0608792	13.6149	7.80502	0.0618792	13.6159	7.78162209	0.00014386	Yes
Acot12	0.56708	0.241	-0.32608	1.43E-06	Yes	Acot12	0	1.95194	inf	0.001	1.95294	10.9314319	0.00014386	Yes
Adam15	0.6273	0.17938	-0.44792	4.84E-12	Yes	Adam15	0.18506	22.2937	6.9125	0.18606	22.2947	6.90478904	0.00014386	Yes
Adam19	0.15855	0.10678	-0.05177	0.01832913	Yes	Adam19	66.9321	0.742659	-6.49386	66.9331	0.743659	-6.4919348	0.00014386	Yes
Adamts15	0.10367	0.024033	-0.079637	0.00072449	Yes	Adamts15	0	1.92488	inf	0.001	1.92588	10.9113021	0.00014386	Yes
Adcy3	0.10355	0.029997	-0.073553	7.01E-05	Yes	Adcy3	13.6521	0.457947	-4.8978	13.6531	0.458947	-4.8947572	0.00014386	Yes
Adm2	0.95948	0.11591	-0.84357	1.06E-11	Yes	Adm2	0	19.3969	inf	0.001	19.3979	14.2436129	0.00014386	Yes
Adora2a	0.5113	0.17332	-0.33798	1.80E-05	Yes	Adora2a	11.925	1.31892	-3.17657	11.926	1.31992	-3.1755878	0.00014386	Yes
Adprhl2	0.88245	0.70658	-0.17587	0.00058998	Yes	Adprhl2	25.8155	40.6143	0.653752	25.8165	40.6153	0.65372988	0.00104136	Yes
Aes	0.012224	0.14218	0.129956	3.96E-09	Yes	Aes	228.899	409.483	0.839094	228.9	409.484	0.83908962	0.00014386	Yes
Aff3	0.83703	0.65189	-0.18514	1.55E-05	Yes	Aff3	11.4194	2.43668	-2.2285	11.4204	2.43768	-2.2280325	0.00014386	Yes
Agap2	0.87045	0.15999	-0.71046	2.15E-12	Yes	Agap2	22.227	1.11238	-4.3206	22.228	1.11338	-4.3193602	0.00014386	Yes
Agmat	0.86696	0.20249	-0.66447	4.71E-07	Yes	Agmat	0.010489	51.8514	12.2713	0.011489	51.8524	12.1399418	0.00540069	Yes
Agpat2	0.085141	0.021436	-0.063705	0.00519776	Yes	Agpat2	1.69894	25.8768	3.92895	1.69994	25.8778	3.92815924	0.00014386	Yes
Agpat3	0.23041	0.48745	0.25704	6.75E-07	Yes	Agpat3	29.1007	45.2767	0.637719	29.1017	45.2777	0.63769724	0.0450268	Yes
Ahnak	0.24781	0.046826	-0.200984	5.41E-06	Yes	AHNAK	10.6224	17.3406	0.707046	10.6234	17.3416	0.70699144	0.00627855	Yes
Akap12	0.65104	0.16842	-0.48262	1.08E-08	Yes	Akap12	0.22258	41.6846	7.54904	0.22358	41.6856	7.54261415	0.00014386	Yes
Aldoa	0.61784	0.23865	-0.37919	9.62E-06	Yes	Aldoa	171.307	1183.13	2.78795	171.308	1183.131	2.78794539	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Amn	0.17204	0.043878	-0.128162	0.00028308	Yes	Amn	0.0433878	33.5658	9.59549	0.0443878	33.5668	9.56265609	0.00670865	Yes
Amotl2	0.1502	0.036758	-0.113442	1.69E-06	Yes	Amotl2	0.201437	91.8411	8.83267	0.202437	91.8421	8.82553882	0.00014386	Yes
Ank3	0.75846	0.20514	-0.55332	6.19E-09	Yes	Ank3	0.0231356	36.4954	10.6234	0.0241356	36.4964	10.5623758	0.00014386	Yes
Ankra2	0.12636	0.065987	-0.060373	3.76E-06	Yes	Ankra2	13.3807	8.27378	-0.693535	13.3817	8.27478	-0.6934685	0.010437	Yes
Ankrd10	0.15852	0.029814	-0.128706	0.02850905	Yes	ANKRD10	48.222	15.985	-1.59297	48.223	15.986	-1.5929124	0.00014386	Yes
Anxa6	0.004207	0.24214	0.237933	9.98E-06	Yes	Anxa6	240.899	68.4896	-1.81447	240.9	68.4906	-1.8144565	0.00014386	Yes
Ap1m1	0.21873	0.030427	-0.188303	0.00031293	Yes	Ap1m1	65.493	38.2979	-0.774075	65.494	38.2989	-0.7740598	0.00014386	Yes
Ap1m2	0.53687	0.12797	-0.4089	2.20E-12	Yes	Ap1m2	0.676683	59.3451	6.4545	0.677683	59.3461	6.45239883	0.00014386	Yes
Ap1s3	0.90149	0.54744	-0.35405	2.77E-10	Yes	Ap1s3	11.3267	18.9008	0.73872	11.3277	18.9018	0.73866866	0.00014386	Yes
Aplf	0.054569	0.0015625	-0.0530065	7.31E-07	Yes	Aplf	43.9022	12.6646	-1.79349	43.9032	12.6656	-1.7934107	0.00014386	Yes
Aplnr	0.91944	0.83936	-0.08008	0.00842241	Yes	Aplnr	0.177548	2.0593	3.53587	0.178548	2.0603	3.52847054	0.00281576	Yes
Aqp1	0.78503	0.3238	-0.46123	1.98E-05	Yes	Aqp1	0.161789	2279.24	13.7822	0.162789	2279.241	13.7732626	0.00014386	Yes
Arhgap20	0.075915	0.018296	-0.057619	0.02850905	Yes	Arhgap20	0	1.18086	inf	0.001	1.18186	10.2068434	0.00014386	Yes
Arhgap25	0	0.37488	0.37488	5.42E-05	Yes	Arhgap25	46.219	2.45987	-4.23184	46.22	2.46087	-4.2312769	0.00014386	Yes
Arhgap27	0.7095	0.28025	-0.42925	1.02E-10	Yes	Arhgap27	52.922	32.5781	-0.699966	52.923	32.5791	-0.6999481	0.00164556	Yes
Arhgef15	0.63922	0.14834	-0.49088	8.33E-09	Yes	Arhgef15	0.239021	8.77847	5.19876	0.240021	8.77947	5.19290131	0.00014386	Yes
Arhgef2	0.0048762	0.2185	0.2136238	1.83E-06	Yes	Arhgef2	26.1717	15.0261	-0.800538	26.1727	15.0271	-0.8004961	0.00091827	Yes
Arhgef25	0.096087	0.20477	0.108683	4.76E-05	Yes	Arhgef25	0.395539	2.70265	2.77248	0.396539	2.70365	2.76937373	0.033819	Yes
Arhgef3	0.0041454	0.097665	0.0935196	0.00087121	Yes	Arhgef3	91.445	15.1234	-2.59612	91.446	15.1244	-2.5960422	0.00014386	Yes
Arhgef37	0.66156	0.39308	-0.26848	0.00369602	Yes	Arhgef37	0	4.14788	inf	0.001	4.14888	12.0185062	0.00014386	Yes
Arhgef40	0.055103	0.1375	0.082397	0.0024744	Yes	Arhgef40	0.0685703	14.9053	7.76402	0.0695703	14.9063	7.74323494	0.00014386	Yes
Arl10	0.075192	0.022636	-0.052556	0.00918133	Yes	ARL10	2.89529	5.53817	0.935701	2.89629	5.53917	0.93546375	0.00014386	Yes
Arl4d	0.42147	0.12851	-0.29296	2.15E-12	Yes	Arl4d	3.28713	73.0247	4.47348	3.28813	73.0257	4.47306504	0.00014386	Yes
Arvcf	0.12041	0.013308	-0.107102	4.47E-06	Yes	Arvcf	2.14637	14.1861	2.72451	2.14737	14.1871	2.72393702	0.00014386	Yes
Asb13	0.12147	0.062811	-0.058659	0.01699421	Yes	Asb13	38.957	19.5025	-0.998222	38.958	19.5035	-0.9981866	0.00014386	Yes
Asb2	0.88959	0.22992	-0.65967	4.71E-07	Yes	Asb2	1.43522	15.2941	3.41363	1.43622	15.2951	3.41272088	0.00014386	Yes
Atg4d	0.12105	0.011146	-0.109904	0.04412687	Yes	Atg4d	13.5346	47.7186	1.8179	13.5356	47.7196	1.81782311	0.00014386	Yes
Atmin	0.33813	0.18217	-0.15596	2.15E-12	Yes	Atmin	8.04068	3.88932	-1.0478	8.04168	3.89032	-1.0476081	0.00014386	Yes
Atp2a3	0	0.13147	0.13147	5.41E-06	Yes	Atp2a3	114.124	18.2217	-2.64687	114.125	18.2227	-2.6468062	0.00014386	Yes
Atp5g1	0.2791	0.042483	-0.236617	5.95E-09	Yes	Atp5g1	98.7248	906.282	3.19847	98.7258	906.283	3.19846256	0.00014386	Yes
Atp5g2	0.25346	0.079195	-0.174265	0.00038568	Yes	Atp5g2	503.15	666.397	0.405395	503.151	666.398	0.40539264	0.00014386	Yes
Auh	0.83352	0.68104	-0.15248	0.00026646	Yes	AUH	25.3097	76.5005	1.59578	25.3107	76.5015	1.59574063	0.00014386	Yes
Axin2	0.0059651	0.067561	0.0615959	0.00108023	Yes	Axin2	22.4846	0.976966	-4.52449	22.4856	0.977966	-4.5230733	0.00014386	Yes
B3galnt1	0.88526	0.79958	-0.08568	0.01482889	Yes	B3galnt1	0.0943836	5.79808	5.9409	0.0953836	5.79908	5.925939	0.00014386	Yes
B3gnt2	0.0017857	0.058187	0.0564013	0.00334552	Yes	B3gnt2	99.6521	10.3181	-3.27173	99.6531	10.3191	-3.2715975	0.00014386	Yes
B3gnt7	0.34057	0.18473	-0.15584	0.00072449	Yes	B3gnt7	0.975879	5.9064	2.59751	0.976879	5.9074	2.59627152	0.00014386	Yes
Bai1	0.8543	0.79938	-0.05492	0.01289082	Yes	Bai1	0	7.40975	inf	0.001	7.41075	12.8554038	0.00014386	Yes
Batf	0.0011175	0.05174	0.0506225	1.24E-06	Yes	Batf	41.1501	1.91806	-4.42318	41.1511	1.91906	-4.4224593	0.00014386	Yes
Bcat2	0.3834	0.20256	-0.18084	0.01961146	Yes	Bcat2	18.242	66.4498	1.865	18.243	66.4508	1.86494357	0.00014386	Yes
Bckdk	0.72665	0.27361	-0.45304	1.69E-06	Yes	Bckdk	51.5432	96.4475	0.903961	51.5442	96.4485	0.9039487	0.00014386	Yes
Bcl2l11	0.10484	0.0085778	-0.0962622	3.76E-05	Yes	BCL2L11	9.55953	2.65963	-1.84571	9.56053	2.66063	-1.8453227	0.00014386	Yes
Bcor	0.0059295	0.15139	0.1454605	2.80E-05	Yes	Bcor	7.47932	3.96301	-0.91631	7.48032	3.96401	-0.9161394	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Bdh1	0.04471	0.17491	0.1302	0.00132879	Yes	Bdh1	19.3052	30.7022	0.66935	19.3062	30.7032	0.6693248	0.00014386	Yes
Bhmt	0.97018	0.45519	-0.51499	4.71E-07	Yes	Bhmt	0.288024	32.2268	6.80593	0.289024	32.2278	6.8009726	0.00014386	Yes
Bmp2	0.084801	0.018412	-0.066389	0.00054762	Yes	Bmp2	0	1.97031	inf	0.001	1.97131	10.944939	0.00014386	Yes
Bmp4	0.12343	0.027601	-0.095829	0.00158432	Yes	Bmp4	0.520138	43.7736	6.39502	0.521138	43.7746	6.39228473	0.00014386	Yes
Bmp7	0.086412	0.011817	-0.074595	0.00018974	Yes	Bmp7	3.33446	23.8119	2.83616	3.33546	23.8129	2.83578568	0.00014386	Yes
Brpf3	0.93764	0.88284	-0.0548	9.20E-05	Yes	Brpf3	9.99813	3.81564	-1.38973	9.99913	3.81664	-1.3894995	0.00014386	Yes
Btbd3	0.71064	0.050154	-0.660486	3.48E-08	Yes	Btbd3	0.898888	6.28552	2.80582	0.899888	6.28652	2.80444425	0.00014386	Yes
C1qtnf2	0.49174	0.17053	-0.32121	0.00144827	Yes	C1qtnf2	0	1.21078	inf	0.001	1.21178	10.2429121	0.00014386	Yes
C1qtnf3	0.71043	0.092961	-0.617469	5.41E-06	Yes	C1qtnf3	0	4.29119	inf	0.001	4.29219	12.0674982	0.00014386	Yes
C1r	0.51339	0.26032	-0.25307	0.02220995	Yes	C1r	0.307565	3.41246	3.47185	0.308565	3.41346	3.46758851	0.00014386	Yes
Cactin	0.83876	0.64925	-0.18951	0.00111391	Yes	Cactin	38.878	14.4008	-1.4328	38.879	14.4018	-1.432742	0.00014386	Yes
Camk2g	0.90984	0.77834	-0.1315	0.00229548	Yes	Camk2g	29.7735	6.9209	-2.105	29.7745	6.9219	-2.1048373	0.00014386	Yes
Camk2n1	0.32695	0.17326	-0.15369	0.03216266	Yes	Camk2n1	2.73371	160.068	5.87168	2.73471	160.069	5.87116227	0.00014386	Yes
Capn2	0.11892	0.02283	-0.09609	0.00021135	Yes	Capn2	30.9019	54.2911	0.813019	30.9029	54.2921	0.81300006	0.00014386	Yes
Car15	0.92748	0.8346	-0.09288	0.03700939	Yes	Car15	0.0743232	73.7235	9.9541	0.0753232	73.7245	9.93483413	0.00014386	Yes
Card10	0.87489	0.40513	-0.46976	6.29E-06	Yes	Card10	0.0353787	27.4931	9.60197	0.0363787	27.4941	9.56181236	0.00014386	Yes
Casr	0.21515	0.033224	-0.181926	4.51E-09	Yes	Casr	0.0138547	10.716	9.59517	0.0148547	10.717	9.49476593	0.00014386	Yes
Cblc	0.16715	0.26722	0.10007	0.02346238	Yes	Cblc	0	6.48172	inf	0.001	6.48272	12.6623835	0.00014386	Yes
Cbx2	0	0.13558	0.13558	5.41E-06	Yes	Cbx2	20.77	1.12699	-4.20396	20.771	1.12799	-4.2027445	0.00014386	Yes
Ccbl1	0.77714	0.597	-0.18014	7.15E-06	Yes	Ccbl1	30.9092	142.829	2.20818	30.9102	142.83	2.20814414	0.00014386	Yes
Ccdc64b	0.13605	0.045965	-0.090085	0.00057292	Yes	Ccdc64b	0.416067	5.31275	3.67457	0.417067	5.31375	3.67137928	0.00014386	Yes
Cd151	0.83452	0.19777	-0.63675	2.15E-12	Yes	Cd151	0.661982	4.0835	2.62494	0.662982	4.0845	2.62311788	0.00014386	Yes
Cd24	0.11799	0.041161	-0.076829	0.00122444	Yes	Cd24	2.77456	801.727	8.17471	2.77556	801.728	8.17419017	0.00014386	Yes
Cd244	0.95107	0.87693	-0.07414	0.03700939	Yes	Cd244	7.1944	0.646565	-3.47601	7.1954	0.647565	-3.473978	0.00014386	Yes
Cd37	0.0064872	0.61787	0.6113828	4.71E-07	Yes	Cd37	457.172	21.3526	-4.42025	457.173	21.3536	-4.420189	0.00014386	Yes
Cd38	0	0.099321	0.099321	0.00054762	Yes	Cd38	83.8531	1.89474	-5.46779	83.8541	1.89574	-5.4670483	0.00014386	Yes
Cd7	0.0075797	0.17854	0.1709603	0.00065829	Yes	Cd7	100.845	5.25352	-4.26271	100.846	5.25452	-4.2624511	0.00014386	Yes
Cd8a	0.57707	0.6734	0.09633	0.03461603	Yes	Cd8a	467.771	36.3613	-3.68533	467.772	36.3623	-3.6852901	0.00014386	Yes
Cdc20	0.0076561	0.059547	0.0518909	8.22E-05	Yes	Cdc20	1.37106	6.23421	2.18492	1.37206	6.23521	2.18409458	0.00014386	Yes
Cdc42bpb	0.075302	0.020903	-0.054399	0.00010321	Yes	Cdc42bpb	0.0406906	18.4003	8.82082	0.0416906	18.4013	8.78586984	0.00014386	Yes
Cdc42ep2	0.10684	0.044674	-0.062166	0.04859041	Yes	Cdc42ep2	0.0654144	40.1231	9.26061	0.0664144	40.1241	9.23875724	0.00014386	Yes
Cdc42ep5	0.72484	0.14608	-0.57876	3.22E-07	Yes	Cdc42ep5	0.978095	13.8343	3.82214	0.979095	13.8353	3.82076127	0.00014386	Yes
Cdcp1	0.59703	0.4269	-0.17013	0.04638126	Yes	Cdcp1	0	4.49545	inf	0.001	4.49645	12.1345707	0.00014386	Yes
Cdh11	0.17808	0.044707	-0.133373	0.00842241	Yes	Cdh11	0	6.84681	inf	0.001	6.84781	12.741427	0.00014386	Yes
Cdk5r1	0.20229	0.11037	-0.09192	0.00992265	Yes	Cdk5r1	1.22128	0	-inf	1.22228	0.001	-10.255359	0.00014386	Yes
Cdk6	0.10523	0.018131	-0.087099	0.00902244	Yes	Cdk6	7.75543	3.50814	-1.1445	7.75643	3.50914	-1.1442753	0.00014386	Yes
Cdkn1c	0.14426	0.046264	-0.097996	4.71E-07	Yes	Cdkn1c	0.838781	4.33636	2.37012	0.839781	4.33736	2.36873214	0.00014386	Yes
Cebpb	0.24606	0.030444	-0.215616	0.0007877	Yes	Cebpb	7.76177	50.6158	2.70513	7.76277	50.6168	2.70497285	0.00014386	Yes
Celsr2	0.11668	0.0071435	-0.1095365	1.80E-05	Yes	Celsr2	2.69067	38.0121	3.82042	2.69167	38.0131	3.81992323	0.00014386	Yes
Cep112	0.08714	0.022512	-0.064628	3.76E-05	Yes	Cep112	0.366672	1.48599	2.01886	0.367672	1.48699	2.01590373	0.00014386	Yes
Cers4	0.0041022	0.082209	0.0781068	1.46E-08	Yes	Cers4	4.7078	2.60806	-0.852077	4.7088	2.60906	-0.8518293	0.00014386	Yes
Chmp4bl1	0.37969	0.15974	-0.21995	4.35E-11	Yes	Chmp4bl1	198.503	103.65	-0.937434	198.504	103.651	-0.937434	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ciao1	0.42479	0.22224	-0.20255	0.0003366	Yes	Ciao1	21.2032	36.5598	0.785976	21.2042	36.5608	0.78594759	0.00014386	Yes
Ckb	0.47809	0.30407	-0.17402	0.00533667	Yes	Ckb	5.04522	287.434	5.83217	5.04622	287.435	5.83188883	0.00014386	Yes
Ckmt1b	0.10478	0.025199	-0.079581	0.00045631	Yes	Ckmt1b	0.0765519	110.123	10.4904	0.0775519	110.124	10.4716792	0.00014386	Yes
Cldn1	0.10971	0.018293	-0.091417	0.00028308	Yes	Cldn1	0	11.4406	inf	0.001	11.4416	13.4820012	0.00014386	Yes
Cldn19	0.67426	0.37104	-0.30322	0.00031293	Yes	Cldn19	0.0373921	82.9001	11.1144	0.0383921	82.9011	11.0763661	0.00014386	Yes
Cldnd1	0.88423	0.76123	-0.123	0.01049788	Yes	Cldnd1	38.5813	24.4157	-0.660091	38.5823	24.4167	-0.6600709	0.00014386	Yes
Clec14a	0.15395	0.035501	-0.118449	9.44E-05	Yes	Clec14a	0	1.27413	inf	0.001	1.27513	10.3164286	0.00014386	Yes
Clk2	0.89175	0.81877	-0.07298	0.0024744	Yes	Clk2	77.1738	36.7917	-1.06873	77.1748	36.7927	-1.0687103	0.00014386	Yes
Cndp2	0.26768	0.071421	-0.196259	5.89E-06	Yes	Cndp2	16.2407	204.703	3.65585	16.2417	204.704	3.65576474	0.00014386	Yes
Cnm2	0.71513	0.23876	-0.47637	5.28E-07	Yes	Cnm2	0.511996	6.44191	3.65328	0.512996	6.44291	3.65069296	0.00014386	Yes
Col18a1	0.094112	0.029817	-0.064295	0.02967027	Yes	Col18a1	0.101029	150.094	10.5369	0.102029	150.095	10.5226809	0.00014386	Yes
Col27a1	0.26511	0.058026	-0.207084	0.00028819	Yes	Col27a1	0.608561	42.1956	6.11555	0.609561	42.1966	6.11321235	0.00014386	Yes
Coq2	0.18363	0.054578	-0.129052	2.31E-05	Yes	Coq2	8.82921	41.7474	2.24133	8.83021	41.7484	2.24120125	0.00014386	Yes
Coro6	0.2144	0.084771	-0.129629	0.00281863	Yes	Coro6	0.480254	5.59086	3.5412	0.481254	5.59186	3.5384578	0.00014386	Yes
Cox6b2	0.93983	0.53198	-0.40785	1.58E-11	Yes	Cox6b2	2.99493	0	-inf	2.99593	0.001	-11.548788	0.00014386	Yes
Cpt1b	0.82125	0.29517	-0.52608	3.15E-05	Yes	Cpt1b	1.92442	6.40203	1.73411	1.92542	6.40303	1.73358159	0.00014386	Yes
Crabp2	0.62079	0.2614	-0.35939	0.00014055	Yes	Crabp2	30.2293	13.3701	-1.17694	30.2303	13.3711	-1.1768771	0.00014386	Yes
Crb3	0.10406	0.022009	-0.082051	0.00173557	Yes	Crb3	0.294742	52.9763	7.48975	0.295742	52.9773	7.48489136	0.00014386	Yes
Crip1	0	0.42829	0.42829	3.07E-11	Yes	Crip1	637.857	119.601	-2.415	637.858	119.602	-2.4149938	0.00014386	Yes
Crip2	0.17742	0.042044	-0.135376	5.19E-07	Yes	Crip2	1.24094	235.787	7.56991	1.24194	235.788	7.56875101	0.00014386	Yes
Crlf2	0.043222	0.19804	0.154818	0.00093244	Yes	Crlf2	23.1434	11.2367	-1.04238	23.1444	11.2377	-1.0423164	0.00014386	Yes
Crnk1l	0.43107	0.33023	-0.10084	0.00188523	Yes	Crnk1l	17.2654	9.03592	-0.934141	17.2664	9.03692	-0.9340643	0.00014386	Yes
Csad	0.87435	0.80857	-0.06578	0.02220995	Yes	Csad	6.50814	28.7121	2.14134	6.50914	28.7131	2.14117025	0.00014386	Yes
Cttn	0.62779	0.094726	-0.533064	4.71E-07	Yes	Cttn	0.0292177	1.5509	5.73012	0.0302177	1.5519	5.68249793	0.00014386	Yes
Cubn	0.7833	0.21982	-0.56348	6.72E-08	Yes	Cubn	0.011602	37.8672	11.6724	0.012602	37.8682	11.5531184	0.00014386	Yes
Cwc27	0.11436	0.047588	-0.066772	0.02850905	Yes	Cwc27	17.4962	45.2385	1.37051	17.4972	45.2395	1.37045891	0.00014386	Yes
Cxxc5	0.62606	0.31782	-0.30824	5.68E-09	Yes	CXXC5	22.3453	97.4404	2.12455	22.3463	97.4414	2.12449889	0.00014386	Yes
Cyld	0.77538	0.66969	-0.10569	0.03808344	Yes	Cyld	26.8207	5.99775	-2.16086	26.8217	5.99875	-2.1606669	0.00014386	Yes
Dab2ip	0.70303	0.39955	-0.30348	0.00072449	Yes	Dab2ip	0.148979	16.9823	6.83278	0.149979	16.9833	6.82321249	0.00014386	Yes
Dapk1	0.77447	0.55133	-0.22314	0.00842241	Yes	Dapk1	2.74988	8.92277	1.69813	2.75088	8.92377	1.69776012	0.00014386	Yes
Dapp1	0.054396	0.54904	0.494644	4.92E-06	Yes	Dapp1	16.926	2.85488	-2.56774	16.927	2.85588	-2.567319	0.00014386	Yes
Dcxr	0.73519	0.12683	-0.60836	6.74E-09	Yes	Dcxr	12.7158	233.754	4.2003	12.7168	233.755	4.20018964	0.00014386	Yes
Ddah2	0.69411	0.19114	-0.50297	2.15E-12	Yes	Ddah2	0.324442	109.165	8.39433	0.325442	109.166	8.38990743	0.00014386	Yes
Ddr1	0.60812	0.16338	-0.44474	0.00014055	Yes	Ddr1	0.0314438	29.1966	9.85881	0.0324438	29.1976	9.81369127	0.00014386	Yes
Ddx21	0.080197	0.01725	-0.062947	0.00087121	Yes	Ddx21	44.7048	6.72419	-2.733	44.7058	6.72519	-2.7328151	0.00014386	Yes
Ddx54	0.92879	0.2781	-0.65069	4.71E-07	Yes	Ddx54	31.2591	19.5633	-0.676127	31.2601	19.5643	-0.6760989	0.00014386	Yes
Ddx6	0.30008	0.12493	-0.17515	2.71E-12	Yes	Ddx6	73.2663	12.1356	-2.5939	73.2673	12.1366	-2.5938051	0.00014386	Yes
Depdc5	0.86208	0.57556	-0.28652	0.00011494	Yes	Depdc5	10.1344	3.90473	-1.37597	10.1354	3.90573	-1.3757389	0.00014386	Yes
Dffb	0.87325	0.7624	-0.11085	0.00317797	Yes	Dffb	12.9163	6.72242	-0.942141	12.9173	6.72342	-0.9420374	0.00014386	Yes
Dgat1	0.072444	0.018479	-0.053965	0.00054762	Yes	Dgat1	2.58416	12.4829	2.27219	2.58516	12.4839	2.27174323	0.00014386	Yes
Dhcr24	0.87646	0.233	-0.64346	8.46E-07	Yes	Dhcr24	11.328	27.935	1.30218	11.329	27.936	1.30210494	0.00014386	Yes
Dkk3	0.25014	0.1358	-0.11434	0.04051274	Yes	Dkk3	0	0.846353	inf	0.001	0.847353	9.7268193	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dlg3	0.31357	0.13496	-0.17861	6.06E-05	Yes	Dlg3	6.56218	14.1574	1.10931	6.56318	14.1584	1.10919133	0.00014386	Yes
Dlgap4	0.28986	0.11437	-0.17549	0.00144827	Yes	Dlgap4	17.5474	25.936	0.563704	17.5484	25.937	0.56367212	0.00014386	Yes
Dll1	0.027107	0.20251	0.175403	2.06E-05	Yes	Dll1	0.063299	1.43917	4.50691	0.064299	1.44017	4.48529901	0.00014386	Yes
Dmrt2	0.10454	0.041199	-0.063341	0.00123297	Yes	Dmrt2	0	1.71108	inf	0.001	1.71208	10.7415344	0.00014386	Yes
Dnaja2	0.14179	0.025973	-0.115817	0.00040757	Yes	Dnaja2	84.5708	64.7122	-0.386122	84.5718	64.7132	-0.3861167	0.00014386	Yes
Dnajc10	0.30783	0.087696	-0.220134	0.01120909	Yes	Dnajc10	9.73025	16.938	0.799716	9.73125	16.939	0.79965167	0.00014386	Yes
Dnmt3a	0.051889	0.31449	0.262601	4.12E-07	Yes	Dnmt3a	16.7201	3.72456	-2.16644	16.7211	3.72556	-2.1661406	0.00014386	Yes
Dock1	0.13304	0.020529	-0.112511	0.00050175	Yes	Dock1	0.236216	47.0088	7.63668	0.237216	47.0098	7.63061641	0.00014386	Yes
Dock6	0.20786	0.087448	-0.120412	0.00533667	Yes	Dock6	0.0442261	14.828	8.38921	0.0452261	14.829	8.35705	0.00014386	Yes
Dock9	0.13663	0.015384	-0.121246	4.76E-05	Yes	Dock9	2.15748	21.9437	3.34639	2.15848	21.9447	3.34578492	0.00014386	Yes
Dok2	0.19961	0.68111	0.4815	2.48E-12	Yes	Dok2	110.817	4.98418	-4.47468	110.818	4.98518	-4.4744028	0.00014386	Yes
Dok4	0.091476	0.017415	-0.074061	6.29E-06	Yes	Dok4	0.196181	8.70375	5.47138	0.197181	8.70475	5.46421042	0.00014386	Yes
Dolk	0.18404	0.066031	-0.118009	8.22E-05	Yes	Dolk	2.00974	11.7251	2.54451	2.01074	11.7261	2.54392481	0.00014386	Yes
Dtnb	0.15803	0.022608	-0.135422	6.78E-10	Yes	Dtnb	17.2938	66.8873	1.95148	17.2948	66.8883	1.95141555	0.00014386	Yes
Duoxa1	0.2081	0.057387	-0.150713	0.00103522	Yes	Duoxa1	0	4.50051	inf	0.001	4.50151	12.1361933	0.00014386	Yes
Dusp14	0.18636	0.06355	-0.12281	1.75E-09	Yes	Dusp14	0.274541	4.94076	4.16964	0.275541	4.94176	4.16468604	0.00014386	Yes
Dusp3	0.35335	0.14959	-0.20376	0.0024744	Yes	Dusp3	7.76372	23.5734	1.60234	7.76472	23.5744	1.60221525	0.00014386	Yes
Dyrk2	0.084086	0.35264	0.268554	8.56E-08	Yes	Dyrk2	88.5922	6.25796	-3.82342	88.5932	6.25896	-3.8232011	0.00014386	Yes
Ebpl	0.57953	0.12963	-0.4499	4.71E-07	Yes	Ebpl	13.3336	4.21804	-1.66042	13.3346	4.21904	-1.6601879	0.00014386	Yes
Eef1d	0.83296	0.77736	-0.0556	0.03216266	Yes	Eef1d	362.71	209.975	-0.788601	362.711	209.976	-0.7885961	0.00014386	Yes
Eef1g	0.79236	0.23789	-0.55447	1.58E-08	Yes	Eef1g	1482.62	321.012	-2.20745	1482.621	321.013	-2.2074462	0.00014386	Yes
Eef2	0.090371	0.01658	-0.073791	1.55E-06	Yes	Eef2	1847.75	450.588	-2.03588	1847.751	450.589	-2.0358864	0.00014386	Yes
Efna1	0.60982	0.075069	-0.534751	3.48E-08	Yes	Efna1	0.136725	24.2292	7.46933	0.137725	24.2302	7.45887204	0.00014386	Yes
Efnb3	0.19294	0.063263	-0.129677	0.00019259	Yes	Efnb3	0.0675817	0.733315	3.43973	0.0685817	0.734315	3.4205035	0.00014386	Yes
Egfl8	0.7003	0.14912	-0.55118	1.02E-06	Yes	Egfl8	10.1442	55.4883	2.45153	10.1452	55.4893	2.4514123	0.00014386	Yes
Elac1	0.059386	0.005879	-0.053507	0.00065829	Yes	Elac1	0.549084	3.52203	2.68131	0.550084	3.52303	2.67909291	0.00014386	Yes
Emb	0.4257	0.1187	-0.307	0.00023201	Yes	Emb	3.51235	32.3575	3.20359	3.51335	32.3585	3.20322552	0.00014386	Yes
Emid1	0.91797	0.26399	-0.65398	1.06E-11	Yes	Emid1	34.8304	7.70336	-2.17679	34.8314	7.70436	-2.1766414	0.00014386	Yes
Emx2	0.078289	0.0074075	-0.0708815	6.06E-05	Yes	Emx2	0	14.5399	inf	0.001	14.5409	13.8278289	0.00014386	Yes
Eng	0.14033	0.39465	0.25432	8.74E-06	Yes	Eng	0.122461	22.0736	7.49386	0.123461	22.0746	7.4821881	0.00014386	Yes
Epb41l4b	0.064088	0.2175	0.153412	0.00533667	Yes	Epb41l4b	0	10.8852	inf	0.001	10.8862	13.4102128	0.00014386	Yes
Epcam	0.81317	0.23898	-0.57419	2.12E-07	Yes	Epcam	0.30413	749.607	11.2672	0.30513	749.608	11.2624966	0.00014386	Yes
Epn2	0.12951	0.042773	-0.086737	8.22E-05	Yes	Epn2	0.151185	13.186	6.44655	0.152185	13.187	6.43714642	0.00014386	Yes
Epsti1	0.062817	0.49275	0.429933	2.16E-09	Yes	Epsti1	71.852	2.72991	-4.7181	71.853	2.73091	-4.7175947	0.00014386	Yes
Esam	0.13559	0.013092	-0.122498	2.99E-06	Yes	Esam	0.0803556	111.928	10.4439	0.0813556	111.929	10.4260546	0.00014386	Yes
Esm1	0.75292	0.41706	-0.33586	7.28E-09	Yes	Esm1	0	6.8172	inf	0.001	6.8182	12.7351752	0.00014386	Yes
Espn	0.51783	0.089357	-0.428473	1.28E-06	Yes	Espn	0.114248	41.7611	8.51384	0.115248	41.7621	8.50130873	0.00014386	Yes
Esyt1	0	0.053955	0.053955	0.00122444	Yes	Esyt1	147.18	18.0665	-3.02619	147.181	18.0675	-3.0261226	0.00014386	Yes
Etaa1	0.52294	0.3532	-0.16974	2.57E-11	Yes	Etaa1	6.53372	1.6341	-1.99941	6.53472	1.6351	-1.9987465	0.00014386	Yes
Ethe1	0.98231	0.22256	-0.75975	4.71E-07	Yes	Ethe1	7.52863	142.084	4.23821	7.52963	142.085	4.23803147	0.00014386	Yes
Etv3	0.19885	0.77152	0.57267	4.71E-07	Yes	Etv3	26.2338	3.42168	-2.93865	26.2348	3.42268	-2.9382835	0.00014386	Yes
Etv5	0.13315	0.05539	-0.07776	0.00052742	Yes	Etv5	0.561548	4.15077	2.8859	0.562548	4.15177	2.88367842	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Evpl	0.58196	0.1254	-0.45656	1.10E-08	Yes	Evpl	0.0287192	8.62573	8.23049	0.0297192	8.62673	8.18127471	0.00014386	Yes
Extl3	0.97591	0.87796	-0.09795	0.00054762	Yes	Extl3	8.49767	4.12898	-1.04128	8.49867	4.12998	-1.0411023	0.00014386	Yes
F2r	0.89705	0.80961	-0.08744	0.00469886	Yes	F2r	4.6179	10.2492	1.15019	4.6189	10.2502	1.15003084	0.00014386	Yes
F2rl1	0.12172	0.014301	-0.107419	1.12E-06	Yes	F2rl1	0.164584	14.9505	6.50522	0.165584	14.9515	6.49658314	0.00014386	Yes
Fam101b	0.24036	0.11896	-0.1214	2.15E-12	Yes	Fam101b	49.697	6.62788	-2.90654	49.698	6.62888	-2.9063508	0.00014386	Yes
Fam110a	0.73752	0.49229	-0.24523	0.00902244	Yes	Fam110a	3.34119	5.64652	0.757	3.34219	5.64752	0.75682372	0.00014386	Yes
Fam110c	0.39363	0.088837	-0.304793	4.92E-06	Yes	Fam110c	0	1.47556	inf	0.001	1.47656	10.5280243	0.00014386	Yes
Fam129b	0.33337	0.10567	-0.2277	0.00087121	Yes	Fam129b	1.66532	31.3308	4.23371	1.66632	31.3318	4.23289027	0.00014386	Yes
Fam189b	0.40361	0.1515	-0.25211	3.41E-06	Yes	Fam189b	190.181	10.2371	-4.21549	190.182	10.2381	-4.2153608	0.00014386	Yes
Fam19a5	0.10106	0.018088	-0.082972	2.15E-12	Yes	Fam19a5	0	4.17383	inf	0.001	4.17483	12.0275017	0.00014386	Yes
Fam20c	0.059741	0.0083942	-0.0513468	3.52E-05	Yes	Fam20c	0.214533	90.5433	8.72127	0.215533	90.5443	8.71457124	0.00014386	Yes
Fam213b	0.14039	0.058065	-0.082325	0.00533667	Yes	Fam213b	4.94329	46.3195	3.22807	4.94429	46.3205	3.22781556	0.00014386	Yes
Fam43a	0.4305	0.22775	-0.20275	0.01289082	Yes	Fam43a	1.46926	34.13	4.53788	1.47026	34.131	4.53693948	0.00014386	Yes
Fam69b	0.49945	0.30926	-0.19019	0.02733646	Yes	Fam69b	0.35332	7.32998	4.37476	0.35432	7.33098	4.37088126	0.00014386	Yes
Fam83h	0.28166	0.045635	-0.236025	7.96E-06	Yes	Fam83h	0.365064	7.28294	4.3183	0.366064	7.28394	4.31455123	0.00014386	Yes
Fam84a	0.12201	0.028528	-0.093482	1.83E-06	Yes	Fam84a	0	13.7324	inf	0.001	13.7334	13.7454012	0.00014386	Yes
Fam89a	0.018654	0.36113	0.342476	1.09E-11	Yes	Fam89a	1.23392	0	-inf	1.23492	0.001	-10.270202	0.00014386	Yes
Fam96b	0.076773	0.0074604	-0.0693126	0.00072449	Yes	Fam96b	34.6985	88.5452	1.35154	34.6995	88.5462	1.35151552	0.00014386	Yes
Fancd2os	0.82084	0.19731	-0.62353	2.15E-12	Yes	Fancd2os	0.00755497	12.1333	10.6493	0.00855497	12.1343	10.4700405	0.00014386	Yes
Fbp1	0.4443	0.15278	-0.29152	2.38E-06	Yes	Fbp1	0.0811705	506.071	12.6061	0.0821705	506.072	12.5884345	0.00014386	Yes
Fbxl15	0.086931	0.022705	-0.064226	2.73E-09	Yes	Fbxl15	2.39335	8.34941	1.80264	2.39435	8.35041	1.80221298	0.00014386	Yes
Fbxl17	0.23746	0.086007	-0.151453	0.0247155	Yes	Fbxl17	16.99	12.2443	-0.472574	16.991	12.2453	-0.4725426	0.00014386	Yes
Fbxo46	0.72082	0.20845	-0.51237	1.19E-10	Yes	Fbxo46	8.28642	2.54902	-1.7008	8.28742	2.55002	-1.7004145	0.00014386	Yes
Fcgr2a	0.23982	0.14588	-0.09394	0.01120909	Yes	FCGR2A	1.58078	5.72745	1.85725	1.58178	5.72845	1.85659587	0.00014386	Yes
Fes	0.71093	0.44749	-0.26344	0.00317797	Yes	Fes	0.606919	7.17352	3.5631	0.607919	7.17452	3.5609313	0.00014386	Yes
Fez1	0.23691	0.082399	-0.154511	0.00018974	Yes	Fez1	1.0981	0	-inf	1.0991	0.001	-10.102107	0.00014386	Yes
Fgd3	0.0091725	0.54241	0.5332375	2.15E-12	Yes	Fgd3	35.5545	9.72214	-1.87069	35.5555	9.72314	-1.8705785	0.00014386	Yes
Fhod1	0.56454	0.089722	-0.474818	4.71E-07	Yes	Fhod1	28.898	13.1286	-1.13825	28.899	13.1296	-1.1381966	0.00014386	Yes
Fhod3	0.10322	0.021844	-0.081376	1.64E-06	Yes	Fhod3	0.0124182	21.1607	10.7347	0.0134182	21.1617	10.6230487	0.00014386	Yes
Flnb	0.19337	0.36516	0.17179	0.03808344	Yes	Flnb	0.130999	20.4084	7.28346	0.131999	20.4094	7.27256296	0.00014386	Yes
Fn3krp	0.10416	0.022717	-0.081443	0.00045631	Yes	Fn3krp	4.55927	16.6262	1.86659	4.56027	16.6272	1.86635409	0.00014386	Yes
Fnbp1l	0.9389	0.21988	-0.71902	3.48E-08	Yes	Fnbp1l	0.723225	24.706	5.09428	0.724225	24.707	5.09233806	0.00014386	Yes
Fndc3b	0.902	0.85095	-0.05105	0.01049788	Yes	Fndc3b	0.159602	13.3934	6.39089	0.160602	13.3944	6.38199629	0.00014386	Yes
Foxo3	0.04404	0.1688	0.12476	4.21E-12	Yes	Foxo3	26.2622	15.4556	-0.764857	26.2632	15.4566	-0.7648197	0.00014386	Yes
Foxp4	0.0054483	0.082925	0.0774767	0.00023201	Yes	Foxp4	18.0141	9.55793	-0.914354	18.0151	9.55893	-0.9142856	0.00014386	Yes
Frg1	0.52801	0.13603	-0.39198	0.00065829	Yes	Frg1	93.774	40.7939	-1.20084	93.775	40.7949	-1.2008146	0.00014386	Yes
Fry	0.64234	0.34185	-0.30049	7.78E-09	Yes	Fry	0.794487	3.30207	2.05527	0.795487	3.30307	2.05389729	0.00014386	Yes
Fscn2	0.86951	0.80055	-0.06896	0.00173557	Yes	Fscn2	2.02864	15.0933	2.89532	2.02964	15.0943	2.89470809	0.00014386	Yes
Ftl1	0.57055	0.44427	-0.12628	0.0017319	Yes	FTL1	298.489	2087.67	2.80614	298.49	2087.671	2.80613987	0.00014386	Yes
Fundc2	0.063629	0.066222	0.002593	0.00040757	Yes	Fundc2	14.6503	32.0544	1.1296	14.6513	32.0554	1.12953873	0.00014386	Yes
Fut7	0.81003	0.75324	-0.05679	0.00418734	Yes	Fut7	1.23487	0	-inf	1.23587	0.001	-10.271311	0.00014386	Yes
Fxyd2	0.84958	0.52986	-0.31972	0.00023201	Yes	FXYD2	1.46396	2808.89	10.9059	1.46496	2808.891	10.9049237	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fxyd6	0.421	0.16269	-0.25831	0.02094681	Yes	Fxyd6	0	6.55482	inf	0.001	6.55582	12.6785605	0.00014386	Yes
Gab1	0.23189	0.046771	-0.185119	0.00028308	Yes	Gab1	0.0746555	9.92651	7.05489	0.0756555	9.92751	7.03584313	0.00014386	Yes
Gabbr1	0.025428	0.092964	0.067536	0.01040885	Yes	Gabbr1	57.7266	9.04279	-2.6744	57.7276	9.04379	-2.6742618	0.00014386	Yes
Galnt14	0.17276	0.056794	-0.115966	0.00038568	Yes	Galnt14	0	15.722	inf	0.001	15.723	13.9405889	0.00014386	Yes
Gamt	0.14661	0.038556	-0.108054	0.00072449	Yes	Gamt	8.39375	73.9291	3.13875	8.39475	73.9301	3.1386026	0.00014386	Yes
Gapdh	0.47415	0.070836	-0.403314	2.65E-06	Yes	Gapdh	393.59	1635.31	2.0548	393.591	1635.311	2.05479589	0.00014386	Yes
Gas2l1	0.81826	0.57873	-0.23953	9.96E-11	Yes	Gas2l1	0.370284	15.5408	5.39129	0.371284	15.5418	5.38748665	0.00014386	Yes
Gata3	0.012592	0.17264	0.160048	0.00065829	Yes	Gata3	58.764	14.3324	-2.03566	58.765	14.3334	-2.0355763	0.00014386	Yes
Gata5	0.071345	0.014753	-0.056592	2.49E-07	Yes	Gata5	0	0.830288	inf	0.001	0.831288	9.69920458	0.00014386	Yes
Gatsl2	0.19657	0.012456	-0.184114	5.41E-06	Yes	Gatsl2	2.46936	0.656172	-1.91199	2.47036	0.657172	-1.9103784	0.00014386	Yes
Gba	0.96241	0.66815	-0.29426	5.96E-07	Yes	Gba	25.4334	16.3607	-0.636489	25.4344	16.3617	-0.6364584	0.00014386	Yes
Gcgr	0.1479	0.062076	-0.085824	0.04051274	Yes	Gcgr	0.0309413	70.5625	11.1552	0.0319413	70.5635	11.1092834	0.00014386	Yes
Gcnt2	0.025038	0.12629	0.101252	1.57E-07	Yes	Gcnt2	0.0624635	15.863	7.98844	0.0634635	15.864	7.96561378	0.00014386	Yes
Gfer	0.8564	0.79971	-0.05669	0.01699421	Yes	Gfer	15.4153	22.1857	0.52527	15.4163	22.1867	0.52523855	0.00014386	Yes
Gldc	0.048556	0.15481	0.106254	0.00093244	Yes	Gldc	0.136736	27.3674	7.64492	0.137736	27.3684	7.6344616	0.00014386	Yes
Glis2	0.63002	0.061653	-0.568367	1.43E-06	Yes	Glis2	0.131429	47.3375	8.49256	0.132429	47.3385	8.4816511	0.00014386	Yes
Gna14	0.096009	0.019139	-0.07687	0.00058998	Yes	Gna14	0.210588	1.60131	2.92676	0.211588	1.60231	2.92082358	0.00014386	Yes
Gpd1	0.34546	0.076357	-0.269103	1.37E-07	Yes	Gpd1	0.232642	54.8843	7.88214	0.233642	54.8853	7.87597635	0.00014386	Yes
Gpr137	0.15941	0.032534	-0.126876	9.98E-06	Yes	Gpr137	2.5766	23.0076	3.15857	2.5776	23.0086	3.1580729	0.00014386	Yes
Gpr146	0.59158	0.064081	-0.527499	6.87E-09	Yes	Gpr146	8.32471	3.23559	-1.36337	8.32571	3.23659	-1.3630987	0.00014386	Yes
Gpr176	0.19828	0.056173	-0.142107	0.00028308	Yes	Gpr176	0.0682916	5.69249	6.38121	0.0692916	5.69349	6.36048899	0.00014386	Yes
Gpr65	0.81236	0.69573	-0.11663	0.00451501	Yes	Gpr65	10.1681	0.369941	-4.78061	10.1691	0.370941	-4.7768585	0.00014386	Yes
Gprc5c	0.081568	0.0025	-0.079068	0.00065829	Yes	Gprc5c	0.0175376	109.8	12.6121	0.0185376	109.801	12.5321491	0.00014386	Yes
Gramd1b	0.0028256	0.087078	0.0842524	2.15E-12	Yes	Gramd1b	5.68397	22.2907	1.97147	5.68497	22.2917	1.971282	0.00014386	Yes
Grap2	0	0.69901	0.69901	1.06E-11	Yes	Grap2	95.9927	2.20858	-5.44174	95.9937	2.20958	-5.4410957	0.00014386	Yes
Grb7	0.22612	0.043786	-0.182334	0.00501738	Yes	Grb7	0.45454	32.5911	6.16393	0.45554	32.5921	6.16080076	0.00014386	Yes
Grhl2	0.17329	0.080912	-0.092378	0.01387459	Yes	Grhl2	0.0424155	9.85741	7.86048	0.0434155	9.85841	7.82700097	0.00014386	Yes
Grk5	0.21933	0.061657	-0.157673	0.00451501	Yes	Grk5	2.06311	6.45065	1.64462	2.06411	6.45165	1.64414832	0.00014386	Yes
Gsn	0.025711	0.093294	0.067583	8.73E-09	Yes	Gsn	34.9666	75.0584	1.10204	34.9676	75.0594	1.10201398	0.00014386	Yes
Gtdc1	0.13848	0.044542	-0.093938	0.01961146	Yes	Gtdc1	10.3518	6.68953	-0.629903	10.3528	6.69053	-0.6298286	0.00014386	Yes
Gtpbp3	0.096418	0.01491	-0.081508	0.00012642	Yes	Gtpbp3	2.701	6.33488	1.22982	2.702	6.33588	1.22951734	0.00014386	Yes
H1f0	0.085949	0.011687	-0.074262	1.69E-06	Yes	H1f0	13.0734	148.868	3.50933	13.0744	148.869	3.50922672	0.00014386	Yes
H2afx	0.075819	0.013312	-0.062507	3.02E-05	Yes	H2afx	29.8533	21.4297	-0.47828	29.8543	21.4307	-0.4782598	0.00014386	Yes
Habp4	0.50023	0.15076	-0.34947	3.70E-05	Yes	Habp4	7.39262	13.9711	0.918294	7.39362	13.9721	0.91819607	0.00014386	Yes
Hcn2	0.10486	0.034638	-0.070222	0.00028819	Yes	Hcn2	0.331886	22.8186	6.10338	0.332886	22.8196	6.0991015	0.00014386	Yes
Hexa	0.5278	0.062642	-0.465158	4.71E-07	Yes	Hexa	25.4166	85.1719	1.74461	25.4176	85.1729	1.74456666	0.00014386	Yes
Hid1	0.29599	0.13963	-0.15636	0.00210898	Yes	Hid1	0.0910033	7.48994	6.36289	0.0920033	7.49094	6.34731735	0.00014386	Yes
Hk1	0.042901	0.20036	0.157459	5.42E-05	Yes	Hk1	34.6916	76.1928	1.13507	34.6926	76.1938	1.13504564	0.00014386	Yes
Hmg20b	0.64028	0.31438	-0.3259	0.00017371	Yes	Hmg20b	16.0316	51.5051	1.6838	16.0326	51.5061	1.6837349	0.00014386	Yes
Hnf1a	0.77203	0.080525	-0.691505	2.15E-12	Yes	Hnf1a	3.21811	8.18203	1.34624	3.21911	8.18303	1.34597327	0.00014386	Yes
Hnf1b	0.11751	0.021741	-0.095769	8.74E-06	Yes	Hnf1b	0.0509715	230.553	12.1431	0.0519715	230.554	12.1150964	0.00014386	Yes
Hnrnpa3	0.63728	0.3821	-0.25518	0.00054762	Yes	Hnrnpa3	7.70123	2.80541	-1.45688	7.70223	2.80641	-1.4565504	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hoga1	0.22141	0.025136	-0.196274	2.00E-06	Yes	Hoga1	0.578739	140.697	7.92546	0.579739	140.698	7.92298256	0.00014386	Yes
Hoxa2	0.16772	0.51074	0.34302	2.88E-08	Yes	Hoxa2	0	3.95689	inf	0.001	3.95789	11.9505158	0.00014386	Yes
Hoxa6	0.49358	0.092813	-0.400767	1.06E-11	Yes	HOXA6	0	5.08026	inf	0.001	5.08126	12.3109706	0.00014386	Yes
Hoxb3	0.74785	0.22032	-0.52753	6.09E-11	Yes	HOXB3	0.206256	78.0707	8.56421	0.207256	78.0717	8.55724201	0.00014386	Yes
Hoxc5	0.052263	0.17839	0.126127	2.80E-05	Yes	Hoxc5	4.87614	39.3311	3.01186	4.87714	39.3321	3.01159992	0.00014386	Yes
Hsd17b1	0.83204	0.26985	-0.56219	2.15E-12	Yes	Hsd17b1	0.530116	5.96916	3.49315	0.531116	5.97016	3.4906707	0.00014386	Yes
Hsd17b11	0.054573	0.0044143	-0.0501587	0.00158432	Yes	Hsd17b11	22.0233	42.2833	0.94106	22.0243	42.2843	0.94102593	0.00014386	Yes
Ifi30	0.27679	0.42123	0.14444	0.03700939	Yes	Ifi30	18.8734	67.4013	1.83642	18.8744	67.4023	1.83636704	0.00014386	Yes
Igf2	0.48943	0.28439	-0.20504	0.00675344	Yes	Igf2	0.0231872	0.870129	5.22983	0.0241872	0.871129	5.1705707	0.00014386	Yes
Igf2r	0.40128	0.1791	-0.22218	2.15E-12	Yes	Igf2r	11.7898	34.4164	1.54556	11.7908	34.4174	1.54547651	0.00014386	Yes
Igfbp5	0.064183	0.014006	-0.050177	4.33E-06	Yes	Igfbp5	0.0455753	65.65	10.4923	0.0465753	65.651	10.4610362	0.00014386	Yes
Igfbp7	0.10074	0.020989	-0.079751	0.00087121	Yes	Igfbp7	0.253961	1524.2	12.5512	0.254961	1524.201	12.545489	0.00014386	Yes
Ihh	0.056684	0.0033333	-0.0533507	0.00015722	Yes	Ihh	0.894062	7.90146	3.14367	0.895062	7.90246	3.1422423	0.00014386	Yes
Il27ra	0.44453	0.28195	-0.16258	0.04638126	Yes	Il27ra	32.6376	0.518701	-5.97549	32.6386	0.519701	-5.9727535	0.00014386	Yes
Il3ra	0.10115	0.023873	-0.077277	7.94E-07	Yes	Il3ra	2.63735	105.19	5.31776	2.63835	105.191	5.3172315	0.00014386	Yes
Ino80d	0.88436	0.25702	-0.62734	5.28E-07	Yes	Ino80d	8.69532	1.84394	-2.23745	8.69632	1.84494	-2.2368311	0.00014386	Yes
Inpp5a	0.64726	0.39461	-0.25265	0.00229548	Yes	Inpp5a	12.8767	17.4807	0.441004	12.8777	17.4817	0.44097054	0.00014386	Yes
Inpp5f	0.10951	0.019728	-0.089782	0.00265064	Yes	Inpp5f	18.4355	11.242	-0.71359	18.4365	11.243	-0.7135378	0.00014386	Yes
Inpp1	0.27596	0.055772	-0.220188	0.00040757	Yes	Inpp1	9.99047	26.1144	1.38622	9.99147	26.1154	1.38613195	0.00014386	Yes
Irf2bpl	0.79447	0.085347	-0.709123	2.15E-12	Yes	Irf2bpl	10.0496	24.2838	1.27286	10.0506	24.2848	1.27277198	0.00014386	Yes
Irf4	0.11512	0.042519	-0.072601	0.00108023	Yes	Irf4	2.28813	0.636876	-1.84509	2.28913	0.637876	-1.8434515	0.00014386	Yes
Irgm	0.00054945	0.17452	0.17397055	1.98E-05	Yes	Irgm	6.4048	4.12094	-0.636179	6.4058	4.12194	-0.6360553	0.00014386	Yes
Irx3	0.038724	0.02323	-0.015494	0.00018568	Yes	Irx3	0	54.9858	inf	0.001	54.9868	15.7467977	0.00014386	Yes
Ism1	0.053311	1.00E-07	-0.0533109	7.15E-06	Yes	Ism1	0	1.72105	inf	0.001	1.72205	10.7499113	0.00014386	Yes
Itgal	0.054092	0.49088	0.436788	2.08E-06	Yes	Itgal	74.7373	1.83617	-5.34706	74.7383	1.83717	-5.3462907	0.00014386	Yes
Itgb4	0.10216	0.024028	-0.078132	0.00418734	Yes	Itgb4	0.0732795	18.4411	7.9753	0.0742795	18.4421	7.95582313	0.00014386	Yes
Itgb5	0.54599	0.12222	-0.42377	1.57E-07	Yes	Itgb5	1.55548	54.1267	5.12091	1.55648	54.1277	5.12000814	0.00014386	Yes
Itih1	0.83558	0.64109	-0.19449	0.00012128	Yes	Itih1	0	0.940843	inf	0.001	0.941843	9.87934278	0.00014386	Yes
Itpkb	0.003634	0.076351	0.072717	4.33E-06	Yes	Itpkb	80.7951	28.7232	-1.49205	80.7961	28.7242	-1.4920189	0.00014386	Yes
Itpripl2	0.72711	0.31782	-0.40929	2.77E-10	Yes	Itpripl2	0.277221	1.17269	2.08071	0.278221	1.17369	2.07674818	0.00014386	Yes
Jag1	0.077127	0.007177	-0.06995	0.01120909	Yes	Jag1	0.0571242	44.1158	9.59298	0.0581242	44.1168	9.56797348	0.00014386	Yes
Junb	0.40242	0.024448	-0.377972	4.71E-07	Yes	Junb	48.1937	183.459	1.92854	48.1947	183.46	1.92851914	0.00014386	Yes
Kazn	0.10252	0.023639	-0.078881	6.44E-07	Yes	KAZN	0.0510032	42.6971	9.70934	0.0520032	42.6981	9.68135576	0.00014386	Yes
Kcnip4	0.084703	0.023406	-0.061297	2.98E-08	Yes	Kcnip4	0	3.2473	inf	0.001	3.2483	11.6654692	0.00014386	Yes
Kcnk6	0.015841	0.073288	0.057447	0.00842241	Yes	Kcnk6	11.0459	1.22893	-3.16804	11.0469	1.22993	-3.1669935	0.00014386	Yes
Kcnn2	0.094529	0.017434	-0.077095	0.00015722	Yes	Kcnn2	0	1.28647	inf	0.001	1.28747	10.3303231	0.00014386	Yes
Kdm2a	0.14597	0.053026	-0.092944	1.64E-09	Yes	Kdm2a	51.927	13.3646	-1.95807	51.928	13.3656	-1.9579881	0.00014386	Yes
Kdm6b	0.89563	0.47275	-0.42288	2.12E-07	Yes	Kdm6b	17.8875	9.51135	-0.911227	17.8885	9.51235	-0.9111587	0.00014386	Yes
Kdsr	0.52169	0.14835	-0.37334	3.12E-09	Yes	Kdsr	11.0584	6.28572	-0.814995	11.0594	6.28672	-0.8148937	0.00014386	Yes
Khk	0.88103	0.12512	-0.75591	2.15E-12	Yes	Khk	8.04499	287.339	5.15852	8.04599	287.34	5.15834509	0.00014386	Yes
Kif12	0.84813	0.17101	-0.67712	2.15E-12	Yes	Kif12	0.049709	285.117	12.4858	0.050709	285.118	12.4570297	0.00014386	Yes
Kif26a	0.10356	0.039063	-0.064497	0.0003366	Yes	Kif26a	0	2.30281	inf	0.001	2.30381	11.169806	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kif3c	0.68482	0.28519	-0.39963	8.74E-06	Yes	Kif3c	2.84091	0.537736	-2.40139	2.84191	0.538736	-2.3992105	0.00014386	Yes
Kl	0.33787	0.06385	-0.27402	5.06E-11	Yes	Kl	0.0207321	17.069	9.6853	0.0217321	17.07	9.61741975	0.00014386	Yes
Klf2	0.03039	0.44893	0.41854	2.15E-12	Yes	Klf2	436.542	34.0422	-3.68072	436.543	34.0432	-3.6806852	0.00014386	Yes
Klhl29	0.076685	0.23419	0.157505	2.28E-12	Yes	Klhl29	0.0466846	1.29233	4.79089	0.0476846	1.29333	4.76142321	0.00014386	Yes
Krtcap3	0.90687	0.12522	-0.78165	2.15E-12	Yes	Krtcap3	1.16043	12.0034	3.3707	1.16143	12.0044	3.36958919	0.00014386	Yes
L2hgdh	0.22127	0.044151	-0.177119	0.00451501	Yes	L2hgdh	2.0201	4.73173	1.22794	2.0211	4.73273	1.22753191	0.00014386	Yes
Lactb2	0.13807	0.013905	-0.124165	7.51E-09	Yes	Lactb2	15.3045	115.986	2.92192	15.3055	115.987	2.92184103	0.00014386	Yes
Lag3	0.22643	0.3822	0.15577	0.00265064	Yes	Lag3	49.35	19.6428	-1.32905	49.351	19.6438	-1.3290053	0.00014386	Yes
Lama1	0.081123	0.012666	-0.068457	4.77E-09	Yes	Lama1	0.869857	3.76778	2.11486	0.870857	3.76878	2.11358984	0.00014386	Yes
Lama5	0.06265	0.006421	-0.056229	6.67E-05	Yes	Lama5	0.179186	23.9319	7.06133	0.180186	23.9329	7.05336449	0.00014386	Yes
Lamc1	0.078338	0.017265	-0.061073	0.00205129	Yes	Lamc1	1.12559	10.5932	3.2344	1.12659	10.5942	3.23324017	0.00014386	Yes
Lat	0.001882	0.3072	0.305318	2.16E-09	Yes	Lat	567.295	51.517	-3.46098	567.296	51.518	-3.4609532	0.00014386	Yes
Lats2	0.086618	0.28163	0.195012	4.44E-05	Yes	Lats2	0.103105	15.17	7.20097	0.104105	15.171	7.18713301	0.00014386	Yes
Lax1	0.07595	0.42966	0.35371	2.32E-06	Yes	Lax1	18.1992	0.386493	-5.55729	18.2002	0.387493	-5.5536402	0.00014386	Yes
Lbh	0.0029412	0.15332	0.1503788	2.52E-05	Yes	Lbh	152.743	19.8893	-2.94104	152.744	19.8903	-2.9409788	0.00014386	Yes
Lgalsl	0.73673	0.10392	-0.63281	2.85E-09	Yes	Lgalsl	0.503772	17.2445	5.09722	0.504772	17.2455	5.09444426	0.00014386	Yes
Limd1	0.15802	0.021984	-0.136036	1.12E-05	Yes	Limd1	13.1998	8.4473	-0.643949	13.2008	8.4483	-0.6438924	0.00014386	Yes
Lmna	0.080619	0.01266	-0.067959	0.03461603	Yes	Lmna	1.82267	31.0866	4.09217	1.82367	31.0876	4.09142265	0.00014386	Yes
Loxl1	0.6022	0.36206	-0.24014	1.60E-06	Yes	Loxl1	0	1.89237	inf	0.001	1.89337	10.8867407	0.00014386	Yes
Lrfn4	0.0047727	0.1564	0.1516273	1.83E-06	Yes	Lrfn4	0.629281	3.75183	2.57582	0.630281	3.75283	2.57391186	0.00014386	Yes
Lrrc16a	0.42315	0.092342	-0.330808	5.28E-07	Yes	Lrrc16a	0.348115	18.0544	5.69664	0.349115	18.0554	5.69258423	0.00014386	Yes
Lrrc23	0.036578	0.12463	0.088052	1.92E-05	Yes	Lrrc23	69.0472	27.1766	-1.34522	69.0482	27.1776	-1.3451857	0.00014386	Yes
Lrrc24	0.13327	0.046181	-0.087089	0.00050175	Yes	Lrrc24	11.0183	42.0519	1.93227	11.0193	42.0529	1.93217271	0.00014386	Yes
Lrrc71	0.63915	0.17032	-0.46883	4.44E-05	Yes	Lrrc71	3.81614	14.2544	1.90122	3.81714	14.2554	1.90094452	0.00014386	Yes
Lrrc8c	0.80592	0.72952	-0.0764	0.00192641	Yes	Lrrc8c	42.022	2.98816	-3.81382	42.023	2.98916	-3.8133671	0.00014386	Yes
Lrrfip1	0.0072886	0.20118	0.1938914	1.28E-06	Yes	Lrrfip1	57.8979	27.9356	-1.05141	57.8989	27.9366	-1.0513795	0.00014386	Yes
Lsr	0.061262	0.0040689	-0.0571931	0.00038568	Yes	Lsr	1.9591	52.2959	4.73844	1.9601	52.2969	4.73772627	0.00014386	Yes
Ltbp3	0.5906	0.18847	-0.40213	4.71E-07	Yes	Ltbp3	0.0147988	19.2549	10.3455	0.0157988	19.2559	10.2512699	0.00014386	Yes
Ltbr	0.71452	0.13243	-0.58209	4.71E-07	Yes	Ltbr	0.287303	35.2517	6.93898	0.288303	35.2527	6.9340041	0.00014386	Yes
Lurap1l	0.31194	0.15963	-0.15231	0.01482889	Yes	Lurap1l	0	6.57165	inf	0.001	6.57265	12.6822594	0.00014386	Yes
Lypd6b	0.043673	0.017767	-0.025906	1.57E-05	Yes	Lypd6b	0	6.4393	inf	0.001	6.4403	12.6529122	0.00014386	Yes
Lzts3	0.64353	0.18466	-0.45887	2.15E-12	Yes	Lzts3	1.34092	82.8796	5.94972	1.34192	82.8806	5.94866388	0.00014386	Yes
Mafk	0.87961	0.56842	-0.31119	2.48E-06	Yes	Mafk	11.7474	20.4049	0.796576	11.7484	20.4059	0.79652205	0.00014386	Yes
Map4k2	0.76234	0.27299	-0.48935	7.28E-09	Yes	Map4k2	50.8708	5.34075	-3.25172	50.8718	5.34175	-3.2514818	0.00014386	Yes
Mapk4	0.97092	0.47281	-0.49811	4.71E-07	Yes	Mapk4	0	1.53934	inf	0.001	1.54034	10.5890331	0.00014386	Yes
Marveld2	0.16997	0.024748	-0.145222	1.05E-07	Yes	Marveld2	0.0572662	6.41495	6.80761	0.0582662	6.41595	6.78285986	0.00014386	Yes
Mavs	0.40954	0.049335	-0.360205	6.06E-05	Yes	Mavs	7.15611	38.071	2.41144	7.15711	38.072	2.4112813	0.00014386	Yes
Mcm3ap	0.81647	0.54943	-0.26704	0.00132879	Yes	Mcm3ap	15.6159	7.70961	-1.01829	15.6169	7.71061	-1.0181912	0.00014386	Yes
Mdk	0.92108	0.10212	-0.81896	4.71E-07	Yes	Mdk	19.1509	4.7425	-2.01369	19.1519	4.7435	-2.0134637	0.00014386	Yes
Megf8	0.231	0.033982	-0.197018	2.15E-12	Yes	Megf8	0.0256498	5.91628	7.8496	0.0266498	5.91728	7.79466565	0.00014386	Yes
Metrn	0.49956	0.16711	-0.33245	7.28E-09	Yes	Metrn	0.336654	24.6726	6.1955	0.337654	24.6736	6.19127877	0.00014386	Yes
Mex3b	0.17488	0.042246	-0.132634	0.00040757	Yes	Mex3b	8.07246	0.501134	-4.00974	8.07346	0.502134	-4.0070428	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mfhas1	0.30504	0.15134	-0.1537	0.02967027	Yes	Mfhas1	0.446665	7.85803	4.1369	0.447665	7.85903	4.13385983	0.00014386	Yes
Mki67	0.07209	0.014501	-0.057589	0.00123297	Yes	Mki67	1.76112	0.810662	-1.11932	1.76212	0.811662	-1.1183612	0.00014386	Yes
Mlf2	0.86446	0.59164	-0.27282	0.00628692	Yes	Mlf2	90.8784	171.816	0.918854	90.8794	171.817	0.91884757	0.00014386	Yes
Mlycd	0.20216	0.057024	-0.145136	0.00205129	Yes	Mlycd	7.57677	22.6386	1.57913	7.57777	22.6396	1.57900321	0.00014386	Yes
Mmp11	0.35166	0.14016	-0.2115	0.01049788	Yes	Mmp11	0.59394	5.93747	3.32146	0.59494	5.93847	3.3192752	0.00014386	Yes
Mn1	0.90124	0.26986	-0.63138	2.27E-12	Yes	Mn1	1.55114	0.404678	-1.93849	1.55214	0.405678	-1.9358517	0.00014386	Yes
Moap1	0.34959	0.14219	-0.2074	0.00103522	Yes	Moap1	10.4548	40.1512	1.94127	10.4558	40.1522	1.94117559	0.00014386	Yes
Mob3a	0.001419	0.19538	0.193961	4.91E-07	Yes	Mob3a	55.2159	5.62827	-3.29432	55.2169	5.62927	-3.2940901	0.00014386	Yes
Mpp6	0.64394	0.35086	-0.29308	0.00040757	Yes	Mpp6	8.15941	20.3493	1.31844	8.16041	20.3503	1.31833652	0.00014386	Yes
Mpst	0.9484	0.44918	-0.49922	2.60E-10	Yes	MPST	18.1242	145.346	3.0035	18.1252	145.347	3.00343247	0.00014386	Yes
Mrap2	0.47147	0.363	-0.10847	0.00045631	Yes	Mrap2	5.57625	0.365698	-3.93057	5.57725	0.366698	-3.9268896	0.00014386	Yes
Mri1	0.89288	0.8073	-0.08558	0.01482889	Yes	Mri1	17.3967	29.2333	0.748801	17.3977	29.2343	0.74876545	0.00014386	Yes
Mrpl38	0.76744	0.2533	-0.51414	5.41E-06	Yes	Mrpl38	16.3565	36.7688	1.16861	16.3575	36.7698	1.16856906	0.00014386	Yes
Msrb2	0.71703	0.20271	-0.51432	9.98E-06	Yes	Msrb2	15.9543	32.0719	1.00737	15.9553	32.0729	1.00731907	0.00014386	Yes
Mvp	0.84242	0.38409	-0.45833	5.41E-06	Yes	Mvp	137.116	90.0947	-0.605881	137.117	90.0957	-0.6058773	0.00014386	Yes
Myh10	0.12056	0.024901	-0.095659	0.00018974	Yes	Myh10	0.301868	9.6315	4.99577	0.302868	9.6325	4.99114922	0.00014386	Yes
Myh11	0.92733	0.37877	-0.54856	4.71E-07	Yes	Myh11	1.59742	5.71067	1.83792	1.59842	5.71167	1.83726609	0.00014386	Yes
Myh14	0.083303	0.02903	-0.054273	0.00317797	Yes	Myh14	0.0396232	14.0597	8.47101	0.0406232	14.0607	8.43514882	0.00014386	Yes
Myo1c	0.69905	0.35419	-0.34486	1.16E-05	Yes	Myo1c	5.145	47.2294	3.19844	5.146	47.2304	3.19819239	0.00014386	Yes
Myo5b	0.25325	0.067689	-0.185561	0.00093244	Yes	Myo5b	0.0218797	32.9658	10.5572	0.0228797	32.9668	10.49273	0.00014386	Yes
N4bp3	0.69097	0.37621	-0.31476	0.00369602	Yes	N4bp3	0.2919	3.57907	3.61604	0.2929	3.58007	3.6115077	0.00014386	Yes
Naa25	0.28047	0.2254	-0.05507	0.04638126	Yes	Naa25	8.86995	2.67795	-1.7278	8.87095	2.67895	-1.727421	0.00014386	Yes
Nab2	0.15524	0.41786	0.26262	0.00719792	Yes	Nab2	47.6939	15.4676	-1.62455	47.6949	15.4686	-1.6244924	0.00014386	Yes
Nagpa	0.81312	0.72551	-0.08761	0.01237082	Yes	Nagpa	10.111	5.46397	-0.887911	10.112	5.46497	-0.8877829	0.00014386	Yes
Nav2	0.23508	0.081392	-0.153688	2.65E-06	Yes	Nav2	0.883689	13.1467	3.89501	0.884689	13.1477	3.89349625	0.00014386	Yes
Ncf4	0.87886	0.79071	-0.08815	0.02733646	Yes	Ncf4	1.38334	3.92934	1.50613	1.38434	3.93034	1.5054558	0.00014386	Yes
Nckap1l	0.0073307	0.49873	0.4913993	4.71E-07	Yes	Nckap1l	45.825	2.46185	-4.21832	45.826	2.46285	-4.2177657	0.00014386	Yes
Ncl	0.30005	0.17054	-0.12951	0.01120909	Yes	Ncl	282.42	135.057	-1.06428	282.421	135.058	-1.0642683	0.00014386	Yes
Ndufs5	0.24852	0.14729	-0.10123	0.00025822	Yes	NDUFS5	13.0298	61.1184	2.22979	13.0308	61.1194	2.22970472	0.00014386	Yes
Nfix	0.11415	0.24994	0.13579	0.00451501	Yes	Nfix	1.3118	12.5073	3.25315	1.3128	12.5083	3.25216668	0.00014386	Yes
Nfkb1	0.12224	0.031766	-0.090474	3.82E-06	Yes	Nfkb1	61.0659	19.6213	-1.63794	61.0669	19.6223	-1.6378965	0.00014386	Yes
Nfkbia	0.29782	0.07401	-0.22381	0.00103522	Yes	Nfkbia	97.7298	73.1883	-0.417185	97.7308	73.1893	-0.4171806	0.00014386	Yes
Nid2	0.10866	0.046857	-0.061803	0.03700939	Yes	Nid2	0.10027	128.41	10.3227	0.10127	128.411	10.3083462	0.00014386	Yes
Nipsnap1	0.083668	0.023127	-0.060541	0.00052742	Yes	Nipsnap1	20.0818	61.4097	1.61258	20.0828	61.4107	1.61252962	0.00014386	Yes
Nkain4	0.068571	0.0081378	-0.0604332	1.80E-05	Yes	Nkain4	0	13.2983	inf	0.001	13.2993	13.6990627	0.00014386	Yes
Nkx2-1	0.095456	0.021009	-0.074447	3.76E-05	Yes	Nkx2-1	0.415895	117.965	8.14793	0.416895	117.966	8.14447132	0.00014386	Yes
Nmrk1	0.37523	0.27913	-0.0961	0.03216266	Yes	Nmrk1	0.816777	27.589	5.07801	0.817777	27.59	5.07629416	0.00014386	Yes
Notch1	0.099251	0.22232	0.123069	4.44E-05	Yes	Notch1	35.0548	6.41861	-2.44928	35.0558	6.41961	-2.4490956	0.00014386	Yes
Nox4	0.24815	2.50E-07	-0.2481498	4.71E-07	Yes	Nox4	0	11.2772	inf	0.001	11.2782	13.4612492	0.00014386	Yes
Npb	0.81059	0.22953	-0.58106	2.15E-12	Yes	Npb	1.06929	0	-inf	1.07029	0.001	-10.063786	0.00014386	Yes
Npr2	0.2322	0.0585	-0.1737	1.40E-05	Yes	Npr2	1.17455	6.56584	2.48286	1.17555	6.56684	2.4818634	0.00014386	Yes
Npy	0.071873	0.016241	-0.055632	0.01559789	Yes	Npy	11.2971	4.44756	-1.34486	11.2981	4.44856	-1.3446699	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nr1h3	0.41152	0.052739	-0.358781	2.68E-07	Yes	Nr1h3	0.210707	18.0864	6.42353	0.211707	18.0874	6.41677226	0.00014386	Yes
Nr2f6	0.54129	0.079396	-0.461894	2.15E-12	Yes	Nr2f6	3.82643	94.1686	4.62117	3.82743	94.1696	4.6208135	0.00014386	Yes
Nr4a2	0.13894	0.28418	0.14524	2.49E-07	Yes	Nr4a2	0.244681	2.06466	3.07693	0.245681	2.06566	3.07174462	0.00014386	Yes
Nrg1	0.13269	0.045032	-0.087658	0.00229548	Yes	Nrg1	0.0173027	3.01731	7.44612	0.0183027	3.01831	7.36554069	0.00014386	Yes
Nrp1	0.67624	0.10568	-0.57056	5.37E-08	Yes	Nrp1	3.46752	14.0724	2.02089	3.46852	14.0734	2.0205788	0.00014386	Yes
Nrxn2	0.10296	0.01314	-0.08982	4.76E-05	Yes	Nrxn2	0	1.99002	inf	0.001	1.99102	10.959292	0.00014386	Yes
Nsd1	0.11648	0.19406	0.07758	0.00017247	Yes	Nsd1	17.0793	4.7804	-1.83705	17.0803	4.7814	-1.8368283	0.00014386	Yes
Nt5dc2	0.76704	0.054198	-0.712842	1.06E-11	Yes	Nt5dc2	2.65388	7.99661	1.59129	2.65488	7.99761	1.59092228	0.00014386	Yes
Ntf3	0.1476	0.04168	-0.10592	0.00025822	Yes	Ntf3	0	2.54787	inf	0.001	2.54887	11.3156421	0.00014386	Yes
Ntn4	0.080184	0.017672	-0.062512	0.00014055	Yes	Ntn4	0	25.3721	inf	0.001	25.3731	14.6310122	0.00014386	Yes
Ntng2	0.53753	0.12005	-0.41748	2.15E-12	Yes	Ntng2	55.9767	0.643373	-6.44303	55.9777	0.644373	-6.4408124	0.00014386	Yes
Nuak1	0.079832	0.0218	-0.058032	0.00229548	Yes	Nuak1	0.776154	6.06392	2.96584	0.777154	6.06492	2.9642162	0.00014386	Yes
Nudt22	0.82074	0.48118	-0.33956	1.98E-05	Yes	Nudt22	6.47288	16.2235	1.3256	6.47388	16.2245	1.32547149	0.00014386	Yes
Olfm1	0.050038	0.14168	0.091642	0.00691976	Yes	Olfm1	9.99264	2.52122	-1.98674	9.99364	2.52222	-1.9863161	0.00014386	Yes
Olfml2a	0.96264	0.40508	-0.55756	4.71E-07	Yes	Olfml2a	0	1.30548	inf	0.001	1.30648	10.3514693	0.00014386	Yes
Orc2	0.91287	0.75012	-0.16275	0.00012642	Yes	Orc2	26.9421	9.96318	-1.43518	26.9431	9.96418	-1.4350929	0.00014386	Yes
Ovol1	0.17148	0.066619	-0.104861	0.04638126	Yes	Ovol1	0.184441	3.73831	4.34116	0.185441	3.73931	4.33373992	0.00014386	Yes
Pabpc4	0.15096	0.013111	-0.137849	2.16E-09	Yes	Pabpc4	48.2822	86.6728	0.844088	48.2832	86.6738	0.84407466	0.00014386	Yes
Pacsin3	0.6418	0.13809	-0.50371	1.43E-06	Yes	Pacsin3	0.142708	31.0635	7.76601	0.143708	31.0645	7.75598265	0.00014386	Yes
Palm	0.71631	0.16832	-0.54799	2.23E-05	Yes	Palm	3.07789	107.284	5.12335	3.07889	107.285	5.12289425	0.00014386	Yes
Paqr6	0.83137	0.097981	-0.733389	4.71E-07	Yes	Paqr6	0.687817	13.874	4.33422	0.688817	13.875	4.33222321	0.00014386	Yes
Parp16	0.60108	0.1182	-0.48288	4.22E-09	Yes	Parp16	1.16568	13.2527	3.50705	1.16668	13.2537	3.50591435	0.00014386	Yes
Parp3	0.68725	0.49671	-0.19054	0.01289082	Yes	Parp3	3.15483	15.2957	2.27749	3.15583	15.2967	2.27712905	0.00014386	Yes
Pcdhga1	0.34238	0.24232	-0.10006	0.02611884	Yes	Pcdhga1	0.857725	0.197067	-2.12182	0.858725	0.198067	-2.1162077	0.00014386	Yes
Pced1b	0.76602	0.51304	-0.25298	0.00123297	Yes	Pced1b	55.9867	3.45991	-4.01628	55.9877	3.46091	-4.0158866	0.00014386	Yes
Pcna	0.6383	0.41767	-0.22063	0.00418734	Yes	Pcna	65.9845	47.3383	-0.479121	65.9855	47.3393	-0.4791107	0.00014386	Yes
Pcsk5	0.099836	0.020031	-0.079805	0.00011494	Yes	Pcsk5	0	3.70631	inf	0.001	3.70731	11.856157	0.00014386	Yes
Pde2a	0.44068	0.22759	-0.21309	0.00024929	Yes	Pde2a	96.0288	3.34291	-4.84429	96.0298	3.34391	-4.8438742	0.00014386	Yes
Pde4a	0.073453	0.012173	-0.06128	0.00025822	Yes	Pde4a	0.144344	2.53525	4.13455	0.145344	2.53625	4.12515354	0.00014386	Yes
Pde4d	0.32484	0.063154	-0.261686	4.71E-07	Yes	Pde4d	42.4937	3.13369	-3.76131	42.4947	3.13469	-3.7608882	0.00014386	Yes
Pde8a	0.056734	0.0047619	-0.0519721	0.04412687	Yes	Pde8a	0.421618	15.6506	5.21414	0.422618	15.6516	5.21081212	0.00014386	Yes
Pdgfra	0.069462	0.013923	-0.055539	0.00023156	Yes	Pdgfra	0	1.34424	inf	0.001	1.34524	10.3936479	0.00014386	Yes
Pdlim2	0.27575	0.084244	-0.191506	3.22E-05	Yes	Pdlim2	55.7633	25.8189	-1.11089	55.7643	25.8199	-1.1108584	0.00014386	Yes
Pdlim4	0.086375	0.024844	-0.061531	0.01832913	Yes	Pdlim4	0	7.21807	inf	0.001	7.21907	12.8175973	0.00014386	Yes
Pdzd3	0.85448	0.49386	-0.36062	3.52E-05	Yes	Pdzd3	0.165991	12.3039	6.21187	0.166991	12.3049	6.20331877	0.00014386	Yes
Pdzrn3	0.073757	0.022878	-0.050879	0.00451501	Yes	Pdzrn3	0	1.29295	inf	0.001	1.29395	10.3375662	0.00014386	Yes
Pea15	0.14206	0.035644	-0.106416	0.0024744	Yes	Pea15	16.3638	47.3028	1.53142	16.3648	47.3038	1.53136011	0.00014386	Yes
Pebp1	0.75283	0.58663	-0.1662	0.04051274	Yes	Pebp1	101.467	572.695	2.49676	101.468	572.696	2.49674471	0.00014386	Yes
Peli1	0.14005	0.071254	-0.068796	7.01E-05	Yes	Peli1	35.4079	4.51528	-2.97118	35.4089	4.51628	-2.9709052	0.00014386	Yes
Peli2	0.45657	0.040937	-0.415633	4.71E-07	Yes	Peli2	0.0656408	5.05475	6.26691	0.0666408	5.05575	6.2453756	0.00014386	Yes
Pex10	0.77028	0.57486	-0.19542	0.00501738	Yes	Pex10	2.08192	8.05669	1.95227	2.08292	8.05769	1.95175887	0.00014386	Yes
Pex2	0.061067	0.0038067	-0.0572603	2.23E-05	Yes	Pex2	6.01091	15.4554	1.36245	6.01191	15.4564	1.36230902	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pfkfb3	0.77415	0.60363	-0.17052	0.00616443	Yes	Pfkfb3	11.7523	22.9913	0.968145	11.7533	22.9923	0.96808491	0.00014386	Yes
Pfkl	0.60664	0.34285	-0.26379	0.00111391	Yes	Pfkl	23.6765	54.2513	1.1962	23.6775	54.2523	1.19616754	0.00014386	Yes
Phf1	0.72806	0.52807	-0.19999	0.00040757	Yes	Phf1	44.5994	28.6706	-0.637451	44.6004	28.6716	-0.6374342	0.00014386	Yes
Phlda2	0.14006	0.047208	-0.092852	0.00675344	Yes	PHLDA2	0.614276	16.2552	4.72587	0.615276	16.2562	4.72361253	0.00014386	Yes
Phlpp1	0.50049	0.12928	-0.37121	7.13E-10	Yes	Phlpp1	1.79212	2.65133	0.56505	1.79312	2.65233	0.56478825	0.00014386	Yes
Phpt1	0.3014	0.060692	-0.240708	9.44E-05	Yes	Phpt1	65.2485	188.696	1.53204	65.2495	188.697	1.53203273	0.00014386	Yes
Pik3cd	0.88447	0.20895	-0.67552	2.15E-12	Yes	Pik3cd	305.282	7.83898	-5.28333	305.283	7.83998	-5.2831535	0.00014386	Yes
Pim3	0.93063	0.15522	-0.77541	2.16E-09	Yes	Pim3	8.46408	51.1335	2.59484	8.46508	51.1345	2.59470139	0.00014386	Yes
Pirt	0.7831	0.58748	-0.19562	0.00045631	Yes	Pirt	0	1.3086	inf	0.001	1.3096	10.3549105	0.00014386	Yes
Pitx2	0.14014	0.025712	-0.114428	0.00065829	Yes	Pitx2	0	41.6769	inf	0.001	41.6779	15.346995	0.00014386	Yes
Piwil1	0.62837	0.26788	-0.36049	0.00031293	Yes	Piwil1	0.063008	7.84185	6.95952	0.064008	7.84285	6.93698197	0.00014386	Yes
Pklr	0.80297	0.30968	-0.49329	5.41E-06	Yes	Pklr	0.0516074	34.3669	9.37922	0.0526074	34.3679	9.35158024	0.00014386	Yes
Plac9	0.25439	0.11781	-0.13658	2.15E-12	Yes	Plac9	0	1.61915	inf	0.001	1.62015	10.6619117	0.00014386	Yes
Plce1	0.067749	0.015498	-0.052251	0.0003366	Yes	Plce1	0	0.881136	inf	0.001	0.882136	9.78485728	0.00014386	Yes
Plcg2	0.01139	0.089818	0.078428	0.00198839	Yes	Plcg2	10.3431	4.63078	-1.15934	10.3441	4.63178	-1.1591695	0.00014386	Yes
Plec	0.97571	0.8774	-0.09831	0.00144827	Yes	Plec	18.0701	8.91058	-1.02002	18.0711	8.91158	-1.0199312	0.00014386	Yes
Plekha5	0.17634	0.042216	-0.134124	3.15E-05	Yes	Plekha5	1.02506	20.954	4.35345	1.02606	20.955	4.35210752	0.00014386	Yes
Plekhd1	0.068604	0.01166	-0.056944	4.31E-08	Yes	Plekhd1	0.298287	1.59755	2.42109	0.299287	1.59855	2.41716235	0.00014386	Yes
Plekhg2	0.00095238	0.067509	0.06655662	0.00018974	Yes	Plekhg2	11.5612	1.83595	-2.6547	11.5622	1.83695	-2.6540317	0.00014386	Yes
Plekhh1	0.54029	0.10615	-0.43414	0.00265064	Yes	Plekhh1	0.044523	5.76087	7.01559	0.045523	5.76187	6.98379766	0.00014386	Yes
Plekhh3	0.08684	0.014268	-0.072572	1.64E-09	Yes	Plekhh3	1.44537	15.1369	3.38856	1.44637	15.1379	3.38765652	0.00014386	Yes
Plod1	0.16336	0.065046	-0.098314	0.01120909	Yes	Plod1	16.3554	9.04732	-0.854207	16.3564	9.04832	-0.8541334	0.00014386	Yes
Plvap	0.36997	0.14444	-0.22553	0.0003366	Yes	Plvap	0.127307	9.56079	6.23075	0.128307	9.56179	6.21960893	0.00014386	Yes
Polr2i	0.96281	0.66566	-0.29715	1.08E-05	Yes	Polr2i	5.81621	15.5307	1.41697	5.81721	15.5317	1.41681646	0.00014386	Yes
Polr2k	0.23285	0.10057	-0.13228	2.13E-06	Yes	Polr2k	42.4141	118.898	1.48711	42.4151	118.899	1.48708671	0.00014386	Yes
Polr3h	0.41747	0.68758	0.27011	8.46E-07	Yes	Polr3h	39.6861	12.4649	-1.67076	39.6871	12.4659	-1.6706831	0.00014386	Yes
Pomc	0.37703	0.11738	-0.25965	0.00023201	Yes	Pomc	1.08281	7.83153	2.85451	1.08381	7.83253	2.85336653	0.00014386	Yes
Pomgnt2	0.79982	0.70486	-0.09496	0.00967483	Yes	Pomgnt2	0	2.71007	inf	0.001	2.71107	11.4046466	0.00014386	Yes
Pou2f2	0.70687	0.42236	-0.28451	0.00087121	Yes	POU2F2	5.3363	0.775769	-2.78214	5.3373	0.776769	-2.7805526	0.00014386	Yes
Pou6f1	0.75238	0.43013	-0.32225	0.00087121	Yes	Pou6f1	10.1543	5.95334	-0.770323	10.1553	5.95434	-0.7702194	0.00014386	Yes
Ppl	0.10903	0.31747	0.20844	0.0007877	Yes	Ppl	1.71917	19.1839	3.48011	1.72017	19.1849	3.47934819	0.00014386	Yes
Ppp1cc	0.82465	0.4524	-0.37225	8.74E-06	Yes	PPP1CC	237.765	124.777	-0.930189	237.766	124.778	-0.9301788	0.00014386	Yes
Ppp1r15a	0.40888	0.13379	-0.27509	0.00038568	Yes	Ppp1r15a	15.3938	75.1265	2.28697	15.3948	75.1275	2.28689797	0.00014386	Yes
Ppp1r3b	0.069463	0.017939	-0.051524	0.00043393	Yes	Ppp1r3b	0.382512	1.42748	1.8999	0.383512	1.42848	1.89713721	0.00014386	Yes
Ppp1r9b	0.045433	0.11159	0.066157	0.0247155	Yes	Ppp1r9b	73.6776	15.2913	-2.26852	73.6786	15.2923	-2.2684402	0.00014386	Yes
Ppp2r5b	0.75326	0.13826	-0.615	1.64E-06	Yes	Ppp2r5b	2.16417	5.52978	1.3534	2.16517	5.53078	1.35300265	0.00014386	Yes
Pramef8	0.14668	0.0078386	-0.1388414	1.98E-05	Yes	Pramef8	0.625683	3.18741	2.34888	0.626683	3.18841	2.3470294	0.00014386	Yes
Prdm1	0.25784	0.13222	-0.12562	0.00205129	Yes	Prdm1	2.00718	0.342572	-2.55069	2.00818	0.343572	-2.5472042	0.00014386	Yes
Prkag2	0.015773	0.080618	0.064845	0.00025822	Yes	Prkag2	22.5948	12.4813	-0.856221	22.5958	12.4823	-0.8561708	0.00014386	Yes
Proc	0.72365	0.155	-0.56865	3.91E-08	Yes	Proc	0	16.827	inf	0.001	16.828	14.0385761	0.00014386	Yes
Prodh	0.61236	0.13605	-0.47631	5.17E-09	Yes	Prodh	0.377715	24.884	6.04178	0.378715	24.885	6.03802001	0.00014386	Yes
Prom2	0.35263	0.18052	-0.17211	0.01699421	Yes	Prom2	0.0157752	15.7053	9.95938	0.0167752	15.7063	9.87079768	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Proz	0.79851	0.309	-0.48951	3.76E-05	Yes	Proz	0.227785	2.46234	3.43429	0.228785	2.46334	3.4285514	0.00014386	Yes
Prpf3	0.38424	0.13959	-0.24465	0.00054762	Yes	Prpf3	31.0386	21.7624	-0.512228	31.0396	21.7634	-0.512206	0.00014386	Yes
Prr15	0.79597	0.58959	-0.20638	2.43E-06	Yes	Prr15	0.105904	78.1547	9.52743	0.106904	78.1557	9.51389145	0.00014386	Yes
Prrc2c	0.49549	0.27595	-0.21954	5.96E-07	Yes	Prrc2c	27.9277	5.5171	-2.33971	27.9287	5.5181	-2.3395049	0.00014386	Yes
Prss36	0.97802	0.67215	-0.30587	4.71E-07	Yes	Prss36	1.09972	3.49773	1.66928	1.10072	3.49873	1.66838381	0.00014386	Yes
Psemb10	0.74174	0.076588	-0.665152	3.48E-08	Yes	Psemb10	180.972	40.7625	-2.15045	180.973	40.7635	-2.1504246	0.00014386	Yes
Psemb8	0.3865	0.55287	0.16637	0.04412687	Yes	Psemb8	212.063	32.5718	-2.7028	212.064	32.5728	-2.7027601	0.00014386	Yes
Psme2	0.20391	0.04413	-0.15978	0.00021135	Yes	Psme2	175.293	90.7826	-0.949285	175.294	90.7836	-0.949273	0.00014386	Yes
Ptk7	0.0075715	0.14608	0.1385085	4.71E-07	Yes	Ptk7	0.121154	3.85829	4.99304	0.122154	3.85929	4.98156245	0.00014386	Yes
Ptms	0.5519	0.21361	-0.33829	0.01206268	Yes	Ptms	251.621	810.229	1.68708	251.622	810.23	1.68707344	0.00014386	Yes
Ptpns	0.77042	0.18934	-0.58108	4.22E-09	Yes	Ptpns	26.1795	4.90957	-2.41477	26.1805	4.91057	-2.4145302	0.00014386	Yes
Ptrf	0.16048	0.042481	-0.117999	0.00038568	Yes	Ptrf	0.069402	89.6626	10.3353	0.070402	89.6636	10.3146903	0.00014386	Yes
Pwp2	0.34906	0.1393	-0.20976	0.00501738	Yes	Pwp2	17.0137	6.32852	-1.42676	17.0147	6.32952	-1.4266137	0.00014386	Yes
Pxdc1	0.28353	0.1284	-0.15513	0.0247155	Yes	Pxdc1	3.19362	8.6978	1.44546	3.19462	8.6988	1.44517206	0.00014386	Yes
Rab20	0.22414	0.07255	-0.15159	0.03461603	Yes	Rab20	4.12408	20.9645	2.3458	4.12508	20.9655	2.34552323	0.00014386	Yes
Rab24	0.65775	0.29064	-0.36711	4.17E-06	Yes	Rab24	186.273	72.914	-1.35315	186.274	72.915	-1.3531388	0.00014386	Yes
Rab26	0.87863	0.79268	-0.08595	0.03808344	Yes	Rab26	0.282432	3.57009	3.65998	0.283432	3.57109	3.65528994	0.00014386	Yes
Rab31	0.66089	0.48467	-0.17622	0.04638126	Yes	Rab31	1.37356	2.725	0.988332	1.37456	2.726	0.98781568	0.00014386	Yes
Rab3a	0.5876	0.36892	-0.21868	0.00102403	Yes	Rab3a	1.87799	24.6495	3.7143	1.87899	24.6505	3.71358762	0.00014386	Yes
Ramp1	0.002	0.19117	0.18917	1.98E-05	Yes	Ramp1	188.194	2.87212	-6.03396	188.195	2.87312	-6.0334662	0.00014386	Yes
Rap1gap	0.12554	0.034603	-0.090937	0.00122444	Yes	RAP1GAP	0.100602	53.2237	9.04726	0.101602	53.2247	9.0330233	0.00014386	Yes
Rapgef3	0.14006	0.0059821	-0.1340779	0.00010321	Yes	Rapgef3	0.0758363	19.5396	8.00929	0.0768363	19.5406	7.990471	0.00014386	Yes
Rara	0.407	0.11318	-0.29382	0.00451501	Yes	Rara	33.2321	17.5871	-0.91806	33.2331	17.5881	-0.9180212	0.00014386	Yes
Rarb	0.08399	0.011756	-0.072234	1.83E-06	Yes	Rarb	0	5.33479	inf	0.001	5.33579	12.3814862	0.00014386	Yes
Rasgrp2	0.001	0.092521	0.091521	1.98E-05	Yes	Rasgrp2	153.202	4.76444	-5.00698	153.203	4.76544	-5.0066913	0.00014386	Yes
Rassf1	0.0022398	0.071199	0.0689592	7.32E-11	Yes	Rassf1	31.8346	22.8707	-0.477096	31.8356	22.8717	-0.4770774	0.00014386	Yes
Rbck1	0.0071201	0.21335	0.2062299	3.41E-06	Yes	Rbck1	124.336	44.4279	-1.4847	124.337	44.4289	-1.4846853	0.00014386	Yes
Rbm20	0.14404	0.030196	-0.113844	1.18E-07	Yes	Rbm20	0.213516	1.7104	3.00192	0.214516	1.7114	2.99601983	0.00014386	Yes
Rbpjl	0.091985	0.38072	0.288735	3.41E-06	Yes	Rbpjl	0.861939	3.52989	2.03396	0.862939	3.53089	2.03270139	0.00014386	Yes
Rbpms2	0.46025	0.10218	-0.35807	5.95E-09	Yes	Rbpms2	0.0388844	34.5032	9.79332	0.0398844	34.5042	9.75673169	0.00014386	Yes
Rcan1	0.13948	0.012818	-0.126662	0.00065829	Yes	Rcan1	7.02961	42.2307	2.58678	7.03061	42.2317	2.58660455	0.00014386	Yes
Ret	0.066578	0.014298	-0.05228	0.0024744	Yes	RET	12.4561	0.713993	-4.12479	12.4571	0.714993	-4.1228953	0.00014386	Yes
Rfc3	0.8768	0.75972	-0.11708	0.00902244	Yes	Rfc3	16.7195	10.8058	-0.629724	16.7205	10.8068	-0.6296786	0.00014386	Yes
Rfk	0.45548	0.2673	-0.18818	4.44E-05	Yes	Rfk	11.4696	88.7643	2.95216	11.4706	88.7653	2.95205495	0.00014386	Yes
Rfx3	0.23443	0.074131	-0.160299	0.00451501	Yes	Rfx3	4.80205	1.23573	-1.95828	4.80305	1.23673	-1.9574203	0.00014386	Yes
RGD1305347	0.19933	0.04952	-0.14981	0.00023201	Yes	RGD1305347	0	67.8525	inf	0.001	67.8535	16.0501356	0.00014386	Yes
RGD1560608	0.19954	0.12765	-0.07189	0.03216266	Yes	RGD1560608	0	1.35805	inf	0.001	1.35905	10.4083828	0.00014386	Yes
RGD1562218	0.79197	0.51697	-0.275	0.00265064	Yes	RGD1562218	15.5776	9.97158	-0.643574	15.5786	9.97258	-0.6435269	0.00014386	Yes
Rgl1	0.23443	0.085848	-0.148582	4.71E-07	Yes	Rgl1	0.100994	11.2321	6.79721	0.101994	11.2331	6.78312803	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rgl3	0.15367	0.053957	-0.099713	1.98E-05	Yes	Rgl3	0.0142977	68.4759	12.2256	0.0152977	68.4769	12.1280869	0.00014386	Yes
Rgma	0.096165	0.024606	-0.071559	0.01120909	Yes	Rgma	0	1.55705	inf	0.001	1.55805	10.6055258	0.00014386	Yes
Rhcg	0.12496	0.030917	-0.094043	7.62E-05	Yes	Rhcg	0	22.7419	inf	0.001	22.7429	14.4731286	0.00014386	Yes
Rhobtb1	0.062978	0.011929	-0.051049	0.00976507	Yes	Rhobtb1	3.64732	20.6455	2.50092	3.64832	20.6465	2.50059306	0.00014386	Yes
Rhpn2	0.48481	0.34422	-0.14059	0.00451501	Yes	Rhpn2	0.0750115	5.52794	6.20349	0.0760115	5.52894	6.1846414	0.00014386	Yes
Rilpl1	0.16625	0.04956	-0.11669	5.41E-06	Yes	Rilpl1	0.290674	20.1524	6.11541	0.291674	20.1534	6.11052265	0.00014386	Yes
Rnd2	0.32467	0.13892	-0.18575	0.00976507	Yes	Rnd2	0.104016	11.216	6.75261	0.105016	11.217	6.73893392	0.00014386	Yes
Rnf26	0.53678	0.33157	-0.20521	0.01832913	Yes	Rnf26	12.3311	5.4573	-1.17604	12.3321	5.4583	-1.1758949	0.00014386	Yes
Rngtt	0.042686	0.18944	0.146754	0.01402866	Yes	Rngtt	11.0141	5.98742	-0.87935	11.0151	5.98842	-0.8792353	0.00014386	Yes
Rpl10a	0.20861	0.065445	-0.143165	0.01289082	Yes	Rpl10a	2247.21	539.182	-2.05929	2247.211	539.183	-2.0592887	0.00014386	Yes
Rpl11	0.76381	0.67303	-0.09078	0.01482889	Yes	Rpl11	4555.66	990.701	-2.20114	4555.661	990.702	-2.2011373	0.00014386	Yes
Rpl13	0.34457	0.10093	-0.24364	0.00317797	Yes	Rpl13	4629.48	813.071	-2.5094	4629.481	813.072	-2.5093954	0.00014386	Yes
Rpl18a	0.8889	0.65168	-0.23722	4.71E-07	Yes	Rpl18a	6818.59	1313.85	-2.37567	6818.591	1313.851	-2.375672	0.00014386	Yes
Rpl38	0.47687	0.34137	-0.1355	0.01832913	Yes	Rpl38	6288.99	2553.6	-1.3003	6288.991	2553.601	-1.3002954	0.00014386	Yes
Rpl6	0.83936	0.56677	-0.27259	3.31E-07	Yes	Rpl6	2594.39	482.693	-2.42622	2594.391	482.694	-2.4262151	0.00014386	Yes
Rplp0	0.74042	0.51497	-0.22545	2.59E-06	Yes	Rplp0	4657.28	1228.75	-1.9223	4657.281	1228.751	-1.9222953	0.00014386	Yes
Rps17	0.71532	0.46314	-0.25218	1.47E-10	Yes	Rps17	7813.77	1691.73	-2.20752	7813.771	1691.731	-2.2075188	0.00014386	Yes
Rps29	0.48664	0.21185	-0.27479	2.15E-12	Yes	RPS29	26.1087	5.89345	-2.14735	26.1097	5.89445	-2.1471568	0.00014386	Yes
Rps4y2	0.81585	0.5223	-0.29355	3.35E-06	Yes	Rps4y2	6.20221	21.6853	1.80586	6.20321	21.6863	1.80569706	0.00014386	Yes
Rps8	0.09098	0.024847	-0.066133	0.02967027	Yes	Rps8	3987.59	761.363	-2.38886	3987.591	761.364	-2.3888592	0.00014386	Yes
Rsph9	0.1755	0.027339	-0.148161	9.62E-06	Yes	Rsph9	0.212618	12.606	5.8897	0.213618	12.607	5.88304798	0.00014386	Yes
RT1-Bb	0.27435	0.062168	-0.212182	2.65E-06	Yes	RT1-Bb	25.6614	35.0503	0.449828	25.6624	35.0513	0.44981185	0.00014386	Yes
RT1-T18	0.47138	0.1504	-0.32098	3.76E-05	Yes	RT1-T18	20.7296	1.94707	-3.41231	20.7306	1.94807	-3.4116444	0.00014386	Yes
Rtkn	0.49531	0.053171	-0.442139	5.28E-07	Yes	Rtkn	0.00820733	7.46628	9.82926	0.00920733	7.46728	9.66358426	0.00014386	Yes
Runx1	0.40367	0.082754	-0.320916	4.58E-11	Yes	Runx1	23.4524	2.01428	-3.5414	23.4534	2.01528	-3.5407449	0.00014386	Yes
Runx3	0.68187	0.1402	-0.54167	9.44E-05	Yes	Runx3	43.408	2.65563	-4.03084	43.409	2.65663	-4.030325	0.00014386	Yes
Ruvbl2	0.78081	0.60461	-0.1762	0.01832913	Yes	Ruvbl2	38.5616	27.0897	-0.509417	38.5626	27.0907	-0.5094047	0.00014386	Yes
S100a1	0.13209	0.030438	-0.101652	3.22E-05	Yes	S100a1	0.684975	819.708	10.2248	0.685975	819.709	10.2227401	0.00014386	Yes
S100a16	0.59826	0.13404	-0.46422	0.01289082	Yes	S100a16	0	140.607	inf	0.001	140.608	17.1013192	0.00014386	Yes
S1pr1	0.012255	0.078664	0.066409	0.00012128	Yes	S1pr1	411.42	8.98065	-5.51765	411.421	8.98165	-5.5174911	0.00014386	Yes
Sardh	0.12946	0.011806	-0.117654	0.0024744	Yes	Sardh	0.0553478	10.727	7.59851	0.0563478	10.728	7.57280614	0.00014386	Yes
Satb2	0.093749	0.035459	-0.05829	0.00132029	Yes	Satb2	0	8.36899	inf	0.001	8.36999	13.0310102	0.00014386	Yes
Scnn1a	0.63175	0.22894	-0.40281	2.15E-12	Yes	Scnn1a	0.0907264	10.5201	6.85742	0.0917264	10.5211	6.84173281	0.00014386	Yes
Scrn1	0.12984	0.055609	-0.074231	0.00265064	Yes	Scrn1	13.8718	1.84014	-2.91426	13.8728	1.84114	-2.9135878	0.00014386	Yes
Scx	0.62827	0.10342	-0.52485	2.15E-12	Yes	Scx	0.530946	40.2885	6.24566	0.531946	40.2895	6.24298029	0.00014386	Yes
Sdc4	0.089117	0.018466	-0.070651	1.57E-07	Yes	Sdc4	0.339038	306.947	9.82233	0.340038	306.948	9.81808257	0.00014386	Yes
Sdccag3	0.192	0.078133	-0.113867	2.15E-12	Yes	Sdccag3	36.2985	51.1598	0.4951	36.2995	51.1608	0.49508915	0.00014386	Yes
Sec23ip	0.61226	0.33859	-0.27367	0.00533667	Yes	Sec23ip	21.8358	12.091	-0.85276	21.8368	12.092	-0.8527086	0.00014386	Yes
Sema3b	0.77734	0.10911	-0.66823	1.47E-10	Yes	Sema3b	0.0189669	19.8019	10.0279	0.0199669	19.8029	9.95388564	0.00014386	Yes
Serpinf2	0.93502	0.27191	-0.66311	4.71E-07	Yes	Serpinf2	15.5977	50.9996	1.70915	15.5987	51.0006	1.70908842	0.00014386	Yes
Serping1	0.3776	0.12479	-0.25281	0.00976507	Yes	Serping1	0	7.41013	inf	0.001	7.41113	12.8554778	0.00014386	Yes
Sertad1	0.081695	0.01746	-0.064235	0.00334552	Yes	Sertad1	4.8847	29.3075	2.58493	4.8857	29.3085	2.58468195	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sgk2	0.58672	0.088432	-0.498288	2.15E-12	Yes	Sgk2	0	15.8185	inf	0.001	15.8195	13.9494164	0.00014386	Yes
Sgms1	0.075496	0.0082285	-0.0672675	0.00064003	Yes	Sgms1	5.94236	33.6313	2.5007	5.94336	33.6323	2.50049677	0.00014386	Yes
Sh3rf1	0.16255	0.024183	-0.138367	1.98E-05	Yes	Sh3rf1	2.00804	31.5776	3.97504	2.00904	31.5786	3.97436902	0.00014386	Yes
Shank2	0.06978	0.25742	0.18764	2.15E-12	Yes	Shank2	0.0140473	9.67506	9.42783	0.0150473	9.67606	9.32877126	0.00014386	Yes
Shank3	0.45694	0.12525	-0.33169	3.52E-05	Yes	Shank3	0.0291115	5.13187	7.46175	0.0301115	5.13287	7.41330733	0.00014386	Yes
Shisa7	0.75264	0.31695	-0.43569	4.71E-07	Yes	Shisa7	2.27987	0.41218	-2.4676	2.28087	0.41318	-2.4647419	0.00014386	Yes
Sigirr	0.5784	0.12159	-0.45681	4.71E-07	Yes	Sigirr	53.5078	36.4097	-0.555428	53.5088	36.4107	-0.5554137	0.00014386	Yes
Sim1	0.081285	0.022264	-0.059021	2.15E-12	Yes	Sim1	0	9.82583	inf	0.001	9.82683	13.2625104	0.00014386	Yes
Skp2	0.26227	0.097539	-0.164731	0.00334552	Yes	Skp2	3.88531	0.325923	-3.57542	3.88631	0.326923	-3.5713782	0.00014386	Yes
Slc12a3	0.82444	0.6726	-0.15184	0.00551211	Yes	Slc12a3	5.36664	24.484	2.18975	5.36764	24.485	2.18953838	0.00014386	Yes
Slc21a4	0.94267	0.45614	-0.48653	1.47E-10	Yes	Slc21a4	0.0211526	16.8643	9.63892	0.0221526	16.8653	9.57236623	0.00014386	Yes
Slc22a4	0.18623	0.035082	-0.151148	2.80E-05	Yes	Slc22a4	0.213444	9.82292	5.52422	0.214444	9.82392	5.51762596	0.00014386	Yes
Slc22a6	0.88246	0.25259	-0.62987	8.46E-07	Yes	Slc22a6	0.0271872	148.987	12.42	0.0281872	148.988	12.3678683	0.00014386	Yes
Slc22a8	0.84677	0.1295	-0.71727	3.12E-09	Yes	Slc22a8	0.0228174	93.6558	12.003	0.0238174	93.6568	11.9411521	0.00014386	Yes
Slc25a23	0.6376	0.13975	-0.49785	9.57E-07	Yes	Slc25a23	14.5985	81.292	2.4773	14.5995	81.293	2.47721217	0.00014386	Yes
Slc25a25	0.18814	0.035501	-0.152639	0.0024744	Yes	Slc25a25	3.17093	30.5721	3.26924	3.17193	30.5731	3.26883001	0.00014386	Yes
Slc26a1	0.76223	0.11826	-0.64397	0.00040757	Yes	Slc26a1	0.161145	14.1081	6.45202	0.162145	14.1091	6.44319762	0.00014386	Yes
Slc36a4	0.0026316	0.056573	0.0539414	4.44E-05	Yes	Slc36a4	5.81071	3.68292	-0.657864	5.81171	3.68392	-0.657721	0.00014386	Yes
Slc38a3	0.068506	0.014303	-0.054203	0.01699421	Yes	Slc38a3	0	12.8747	inf	0.001	12.8757	13.6523632	0.00014386	Yes
Slc44a2	0.5901	0.10943	-0.48067	2.58E-09	Yes	Slc44a2	210.31	21.4251	-3.29514	210.311	21.4261	-3.2950831	0.00014386	Yes
Slc6a6	0.69772	0.2182	-0.47952	6.67E-05	Yes	Slc6a6	17.227	73.0522	2.08426	17.228	73.0532	2.08419224	0.00014386	Yes
Slc7a15	0.86125	0.32655	-0.5347	7.31E-07	Yes	Slc7a15	0	1.82125	inf	0.001	1.82225	10.8315052	0.00014386	Yes
Slc7a5	0.75614	0.5503	-0.20584	0.00369602	Yes	Slc7a5	8.00261	1.47267	-2.44203	8.00361	1.47367	-2.4412374	0.00014386	Yes
Slc9a3	0.10019	0.021678	-0.078512	7.62E-05	Yes	Slc9a3	0.0176695	16.9556	9.90629	0.0186695	16.9566	9.82694792	0.00014386	Yes
Slco2a1	0.081848	0.022394	-0.059454	0.00038568	Yes	Slco2a1	0	22.5705	inf	0.001	22.5715	14.4622147	0.00014386	Yes
Smarcc1	0.49403	0.16638	-0.32765	4.71E-07	Yes	Smarcc1	22.5828	7.73225	-1.54626	22.5838	7.73325	-1.5461415	0.00014386	Yes
Smim3	0.0019231	0.32266	0.3207369	6.67E-05	Yes	Smim3	3.46076	49.5476	3.83965	3.46176	49.5486	3.83926668	0.00014386	Yes
Smyd2	0.77838	0.20999	-0.56839	8.74E-06	Yes	Smyd2	106.519	39.9069	-1.4164	106.52	39.9079	-1.4163781	0.00014386	Yes
Snx10	0.006301	0.13829	0.131989	2.27E-12	Yes	Snx10	7.89781	1.66583	-2.24521	7.89881	1.66683	-2.2445283	0.00014386	Yes
Snx33	0.23929	0.040899	-0.198391	2.15E-12	Yes	Snx33	1.80544	17.7411	3.29668	1.80644	17.7421	3.29595554	0.00014386	Yes
Socs3	0.05176	0.44743	0.39567	4.33E-06	Yes	Socs3	23.0274	118.918	2.36854	23.0284	118.919	2.36849315	0.00014386	Yes
Sox11	0.096132	0.023468	-0.072664	3.15E-05	Yes	Sox11	0	4.73805	inf	0.001	4.73905	12.2103822	0.00014386	Yes
Sox13	0.083419	0.019955	-0.063464	0.00265064	Yes	Sox13	0.0891647	12.0397	7.07711	0.0901647	12.0407	7.06114083	0.00014386	Yes
Sox18	0.31555	0.066836	-0.248714	4.33E-06	Yes	Sox18	0	7.42595	inf	0.001	7.42695	12.8585542	0.00014386	Yes
Sp5	0.13845	0.034517	-0.103933	0.00281863	Yes	Sp5	0	2.35384	inf	0.001	2.35484	11.2014133	0.00014386	Yes
Spag1	0.05349	0.0032284	-0.0502616	0.00014055	Yes	Spag1	0.432872	4.25719	3.29789	0.433872	4.25819	3.29489893	0.00014386	Yes
Sparcl1	0.56441	0.29386	-0.27055	5.11E-05	Yes	Sparcl1	0	1.30563	inf	0.001	1.30663	10.351635	0.00014386	Yes
Spata7	0.41963	0.20214	-0.21749	0.00072449	Yes	Spata7	0.91842	17.2092	4.22788	0.91942	17.2102	4.226396	0.00014386	Yes
Spint1	0.35493	0.062675	-0.292255	4.71E-07	Yes	Spint1	1.93589	43.277	4.48253	1.93689	43.278	4.4818199	0.00014386	Yes
Spock2	0.53106	0.1507	-0.38036	5.28E-07	Yes	Spock2	0.588418	6.42135	3.44796	0.589418	6.42235	3.44573827	0.00014386	Yes
Spon1	0.57486	0.39642	-0.17844	0.04638126	Yes	Spon1	0.417243	77.8436	7.54355	0.418243	77.8446	7.54011176	0.00014386	Yes
Spry4	0.60518	0.15897	-0.44621	8.44E-10	Yes	Spry4	0.126212	1.2184	3.27107	0.127212	1.2194	3.26086478	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Spryd4	0.15353	0.071502	-0.082028	8.22E-05	Yes	Spryd4	4.53558	7.46452	0.718764	4.53658	7.46552	0.71863765	0.00014386	Yes
Spsb4	0.15953	0.021638	-0.137892	2.08E-06	Yes	Spsb4	0	22.631	inf	0.001	22.632	14.4660765	0.00014386	Yes
Sptbn2	0.073453	0.015508	-0.057945	0.0007877	Yes	Sptbn2	0.0194598	4.79912	7.94613	0.0204598	4.80012	7.87413462	0.00014386	Yes
Srsf12	0.0025448	0.12257	0.1200252	0.00093244	Yes	Srsf12	25.2998	1.43802	-4.13698	25.3008	1.43902	-4.1360245	0.00014386	Yes
Ssh3	0.21122	0.047831	-0.163389	3.25E-06	Yes	Ssh3	1.79141	17.7884	3.31177	1.79241	17.7894	3.31104527	0.00014386	Yes
Ssna1	0.74242	0.51005	-0.23237	0.01206268	Yes	Ssna1	34.2453	64.1718	0.906033	34.2463	64.1728	0.90601381	0.00014386	Yes
St3gal2	0.8174	0.73108	-0.08632	0.02850905	Yes	St3gal2	2.67474	9.65885	1.85245	2.67574	9.65985	1.85206285	0.00014386	Yes
St6galnac2	0.19467	0.070378	-0.124292	0.00158432	Yes	St6galnac2	0.128862	78.0916	9.24319	0.129862	78.0926	9.2320627	0.00014386	Yes
Stard10	0.55605	0.069444	-0.486606	2.97E-10	Yes	Stard10	34.9754	177.821	2.34601	34.9764	177.822	2.34598011	0.00014386	Yes
Stk3	0.42354	0.32294	-0.1006	0.01961146	Yes	Stk3	2.54595	10.1825	1.99981	2.54695	10.1835	1.99939095	0.00014386	Yes
Stox2	0.035823	0.16502	0.129197	5.41E-06	Yes	Stox2	2.18892	0.71118	-1.62193	2.18992	0.71218	-1.6205643	0.00014386	Yes
Stx16	0.40106	0.18246	-0.2186	8.54E-05	Yes	Stx16	26.2655	12.9273	-1.02274	26.2665	12.9283	-1.0226914	0.00014386	Yes
Stx3	0.74891	0.33877	-0.41014	4.44E-05	Yes	Stx3	6.39072	13.0079	1.02533	6.39172	13.0089	1.02522286	0.00014386	Yes
Sult2b1	0.19347	0.094131	-0.099339	2.03E-07	Yes	Sult2b1	8.10217	44.1291	2.44535	8.10317	44.1301	2.4452047	0.00014386	Yes
Surf6	0.38699	0.13381	-0.25318	3.95E-10	Yes	Surf6	29.7054	16.326	-0.863555	29.7064	16.327	-0.8635141	0.00014386	Yes
Susd2	0.56259	0.12104	-0.44155	3.37E-10	Yes	Susd2	1.43115	12.8926	3.1713	1.43215	12.8936	3.17040062	0.00014386	Yes
Syne4	0.79072	0.14977	-0.64095	2.15E-12	Yes	Syne4	0.21523	5.38167	4.6441	0.21623	5.38267	4.63768338	0.00014386	Yes
Syngap1	0.84472	0.47779	-0.36693	2.23E-05	Yes	Syngap1	0.539638	2.24112	2.05416	0.540638	2.24212	2.05212867	0.00014386	Yes
Sytl3	0.82436	0.46843	-0.35593	9.49E-11	Yes	Sytl3	6.54636	2.99571	-1.1278	6.54736	2.99671	-1.1275338	0.00014386	Yes
Tacc1	0.00070802	0.060001	0.05929298	4.42E-08	Yes	Tacc1	23.0516	8.48061	-1.44263	23.0526	8.48161	-1.4425194	0.00014386	Yes
Taok3	0.00078621	0.33761	0.33682379	3.48E-08	Yes	Taok3	16.5592	1.34819	-3.61853	16.5602	1.34919	-3.6175547	0.00014386	Yes
Tbc1d9	0.20408	0.078019	-0.126061	0.00010321	Yes	Tbc1d9	0.0508118	10.5597	7.69919	0.0518118	10.5607	7.67120904	0.00014386	Yes
Tbrg1	0.33303	0.20732	-0.12571	7.31E-07	Yes	Tbrg1	52.1858	38.035	-0.45633	52.1868	38.036	-0.4563194	0.00014386	Yes
Tbx6	0.37559	0.083406	-0.292184	1.94E-07	Yes	Tbx6	2.7502	0.357788	-2.94236	2.7512	0.358788	-2.9388575	0.00014386	Yes
Tctex1d2	0.22164	0.048648	-0.172992	0.00017371	Yes	Tctex1d2	0.381094	14.93	5.29193	0.382094	14.931	5.28823938	0.00014386	Yes
Tead1	0.05928	0.0066816	-0.0525984	0.00205129	Yes	Tead1	0.190603	14.4148	6.24083	0.191603	14.4158	6.23338694	0.00014386	Yes
Tfam	0.034142	0.43788	0.403738	7.96E-06	Yes	Tfam	53.2965	35.7336	-0.576758	53.2975	35.7346	-0.5767462	0.00014386	Yes
Tfe3	0.10387	0.0065126	-0.0973574	0.01559789	Yes	Tfe3	5.09447	10.0847	0.985162	5.09547	10.0857	0.98502409	0.00014386	Yes
Thtpa	0.1294	0.021884	-0.107516	0.00132879	Yes	Thtpa	10.9727	23.2402	1.0827	10.9737	23.2412	1.08263452	0.00014386	Yes
Tifa	0.029863	0.16711	0.137247	8.22E-05	Yes	Tifa	1.17141	7.25996	2.63172	1.17241	7.26096	2.63068313	0.00014386	Yes
Timm23	0.31027	0.053767	-0.256503	2.16E-09	Yes	Timm23	79.4371	130.386	0.714905	79.4381	130.387	0.71489701	0.00014386	Yes
Tk1	0.80288	0.49237	-0.31051	0.00646281	Yes	Tk1	1.65254	9.7614	2.5624	1.65354	9.7624	2.56167792	0.00014386	Yes
Tle1	0.070718	0.014545	-0.056173	0.00054762	Yes	Tle1	0.032485	3.53748	6.7668	0.033485	3.53848	6.72347099	0.00014386	Yes
Tmc8	0.0029741	0.23047	0.2274959	7.15E-06	Yes	Tmc8	81.1334	5.3936	-3.91098	81.1344	5.3946	-3.9107258	0.00014386	Yes
Tmem104	0.11909	0.043152	-0.075938	0.02967027	Yes	Tmem104	8.40012	2.05775	-2.02934	8.40112	2.05875	-2.028813	0.00014386	Yes
Tmem150a	0.10727	0.022711	-0.084559	0.00054762	Yes	Tmem150a	1.33129	65.6908	5.62479	1.33229	65.6918	5.62373324	0.00014386	Yes
Tmem171	0.62805	0.23007	-0.39798	3.82E-06	Yes	Tmem171	0	90.0323	inf	0.001	90.0333	16.4581711	0.00014386	Yes
Tmem184a	0.68605	0.34228	-0.34377	0.00031293	Yes	Tmem184a	0	14.4095	inf	0.001	14.4105	13.8148328	0.00014386	Yes
Tmem229a	0.15992	0.076235	-0.083685	0.00736774	Yes	Tmem229a	0	0.847784	inf	0.001	0.848784	9.72925365	0.00014386	Yes
Tmem231	0.41964	0.065154	-0.354486	0.00011494	Yes	Tmem231	0.0844828	5.17692	5.93729	0.0854828	5.17792	5.9205947	0.00014386	Yes
Tmem30b	0.32538	0.16464	-0.16074	0.00017371	Yes	Tmem30b	0	9.07691	inf	0.001	9.07791	13.1481445	0.00014386	Yes
Tmem37	0.75783	0.12287	-0.63496	4.71E-07	Yes	Tmem37	0.658238	68.4188	6.69964	0.659238	68.4198	6.69747067	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tmem69	0.42218	0.15969	-0.26249	0.00111391	Yes	Tmem69	4.0656	9.97612	1.29501	4.0666	9.97712	1.29480034	0.00014386	Yes
Tmem79	0.90852	0.12718	-0.78134	2.21E-10	Yes	Tmem79	0.323133	12.4804	5.27139	0.324133	12.4814	5.26705005	0.00014386	Yes
Tmod4	0.88718	0.73998	-0.1472	1.94E-07	Yes	Tmod4	0.145175	7.61075	5.71217	0.146175	7.61175	5.70245968	0.00014386	Yes
Tmprss2	0.15222	0.036924	-0.115296	0.00501738	Yes	Tmprss2	0.189193	55.7211	8.20222	0.190193	55.7221	8.19464167	0.00014386	Yes
Tmsb4x	0.0029647	0.091064	0.0880993	1.47E-05	Yes	Tmsb4x	21046	2718.31	-2.95276	21046.001	2718.311	-2.9527637	0.00014386	Yes
Tnfaip2	0.10794	0.049855	-0.058085	6.40E-05	Yes	Tnfaip2	0.0884402	27.7655	8.29437	0.0894402	27.7665	8.27820621	0.00014386	Yes
Tnfrsf9	0.83242	0.35381	-0.47861	1.05E-07	Yes	Tnfrsf9	3.15691	21.5442	2.77071	3.15791	21.5452	2.77032453	0.00014386	Yes
Tnfsf12	0.3314	0.043269	-0.288131	2.32E-06	Yes	Tnfsf12	1.10137	26.2867	4.57695	1.10237	26.2877	4.57570748	0.00014386	Yes
Tonsl	0.34136	0.15723	-0.18413	0.01049788	Yes	Tonsl	55.5386	111.291	1.00278	55.5396	111.292	1.0027612	0.00014386	Yes
Tor1a	0.31362	0.085086	-0.228534	4.74E-08	Yes	Tor1a	25.7331	17.9363	-0.520742	25.7341	17.9373	-0.5207186	0.00014386	Yes
Tpbg	0.11351	0.057317	-0.056193	0.01832913	Yes	Tpbg	0.682719	7.82272	3.51831	0.683719	7.82372	3.51637932	0.00014386	Yes
Tpd52	0.61956	0.17797	-0.44159	3.52E-05	Yes	Tpd52	0.497583	65.6668	7.04408	0.498583	65.6678	7.04120862	0.00014386	Yes
Tpd52l1	0.079072	0.021051	-0.058021	0.00025822	Yes	Tpd52l1	0.0823824	20.8525	7.98367	0.0833824	20.8535	7.96633093	0.00014386	Yes
Tpi1	0.70335	0.090171	-0.613179	0.00058998	Yes	Tpi1	18.2028	245.758	3.75501	18.2038	245.759	3.7549327	0.00014386	Yes
Tpm2	0.66767	0.28183	-0.38584	1.80E-05	Yes	Tpm2	0.120527	6.87828	5.83462	0.121527	6.87928	5.8229088	0.00014386	Yes
Tpt1	0.41619	0.30574	-0.11045	0.00036321	Yes	Tpt1	15011.1	2990.91	-2.32737	15011.101	2990.911	-2.3273729	0.00014386	Yes
Trak2	0.46043	0.19214	-0.26829	1.04E-11	Yes	Trak2	15.8293	35.475	1.1642	15.8303	35.476	1.16415476	0.00014386	Yes
Trappc6a	0.82183	0.19691	-0.62492	2.15E-12	Yes	Trappc6a	47.0355	116.748	1.31157	47.0365	116.749	1.31155757	0.00014386	Yes
Tspan33	0.16237	0.051375	-0.110995	0.00188523	Yes	Tspan33	0.336751	38.7481	6.8463	0.337751	38.7491	6.84205895	0.00014386	Yes
Tspan9	0.11224	0.048725	-0.063515	7.96E-05	Yes	Tspan9	0.0996575	12.3559	6.95401	0.1006575	12.3569	6.93971838	0.00014386	Yes
Tst	0.67866	0.15601	-0.52265	2.15E-12	Yes	Tst	0.290146	177.964	9.26059	0.291146	177.965	9.25563502	0.00014386	Yes
Ttc22	0.26043	0.37109	0.11066	0.00129883	Yes	Ttc22	0.485509	2.66311	2.45554	0.486509	2.66411	2.45311525	0.00014386	Yes
Ttc30a1	0.25885	0.20698	-0.05187	0.01961146	Yes	Ttc30a1	1.90685	4.63831	1.2824	1.90785	4.63931	1.2819625	0.00014386	Yes
Ttc39b	0.1009	0.013321	-0.087579	1.80E-05	Yes	Ttc39b	0.265592	2.81076	3.40368	0.266592	2.81176	3.39876806	0.00014386	Yes
Ttf2	0.15138	0.031921	-0.119459	0.0007877	Yes	Ttf2	6.41482	2.03935	-1.6533	6.41582	2.04035	-1.652817	0.00014386	Yes
Ttpa	0.06095	0.010751	-0.050199	1.27E-05	Yes	Ttpa	0	1.50686	inf	0.001	1.50786	10.5582868	0.00014386	Yes
Tuba1c	0.51489	0.20942	-0.30547	2.80E-05	Yes	Tuba1c	138.507	265.038	0.936246	138.508	265.039	0.93623536	0.00014386	Yes
Tuba4a	0.63468	0.21215	-0.42253	1.37E-07	Yes	Tuba4a	51.6044	161.495	1.64592	51.6054	161.496	1.64590449	0.00014386	Yes
Tuba8	0.012142	0.068919	0.056777	0.04051274	Yes	Tuba8	0.287799	5.21432	4.17935	0.288799	5.21532	4.17461812	0.00014386	Yes
Tysnd1	0.45592	0.11456	-0.34136	7.96E-06	Yes	Tysnd1	7.50641	15.0325	1.00189	7.50741	15.0335	1.00179375	0.00014386	Yes
Ubash3a	0.005102	0.27109	0.265988	9.97E-09	Yes	Ubash3a	23.4509	1.27611	-4.19982	23.4519	1.27711	-4.1987501	0.00014386	Yes
Ublcp1	0.11966	0.028849	-0.090811	4.44E-05	Yes	Ublcp1	14.1384	22.481	0.669089	14.1394	22.482	0.66904948	0.00014386	Yes
Uncx	0.090728	0.031427	-0.059301	0.00842241	Yes	Uncx	0	0.908832	inf	0.001	0.909832	9.82945637	0.00014386	Yes
Uqcr11	0.078207	0.026218	-0.051989	0.0038486	Yes	Uqcr11	117.943	760.71	2.68926	117.944	760.711	2.68924644	0.00014386	Yes
Ushbp1	0.84972	0.46241	-0.38731	0.00014055	Yes	Ushbp1	0	3.78484	inf	0.001	3.78584	11.8863977	0.00014386	Yes
Usp19	0.84037	0.73419	-0.10618	0.01120909	Yes	Usp19	37.5307	26.576	-0.497944	37.5317	26.577	-0.4979314	0.00014386	Yes
Usp44	0.0075923	0.13749	0.1298977	2.65E-06	Yes	Usp44	24.0577	0.417651	-5.84806	24.0587	0.418651	-5.8446668	0.00014386	Yes
Usp46	0.81154	0.3839	-0.42764	6.59E-10	Yes	Usp46	6.37737	9.26502	0.538833	6.37837	9.26602	0.53876201	0.00014386	Yes
Ust	0.0074176	0.060449	0.0530314	0.00111391	Yes	Ust	4.8715	0.819495	-2.57156	4.8725	0.820495	-2.5700957	0.00014386	Yes
Utp15	0.14599	0.073452	-0.072538	2.29E-06	Yes	Utp15	9.22414	4.40857	-1.0651	9.22514	4.40957	-1.0649328	0.00014386	Yes
Vasn	0.75948	0.18213	-0.57735	2.85E-09	Yes	Vasn	0.309598	13.6786	5.46538	0.310598	13.6796	5.4608337	0.00014386	Yes
Vat1	0.064594	0.004738	-0.059856	0.00144827	Yes	Vat1	6.63759	52.1951	2.97518	6.63859	52.1961	2.97499326	0.00014386	Yes

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Vav2	0.66741	0.11369	-0.55372	1.01E-09	Yes	Vav2	1.73267	11.0387	2.6715	1.73367	11.0397	2.67079975	0.00014386	Yes
Vps37d	0.88813	0.0354	-0.85273	2.15E-12	Yes	Vps37d	0.462954	21.6636	5.54826	0.463954	21.6646	5.54521402	0.00014386	Yes
Vstm2b	0.12585	0.031732	-0.094118	2.15E-12	Yes	Vstm2b	0	5.92653	inf	0.001	5.92753	12.5332153	0.00014386	Yes
Wfdc2	0.59001	0.24041	-0.3496	3.59E-08	Yes	Wfdc2	1.515	245.692	7.34139	1.516	245.693	7.34044319	0.00014386	Yes
Wnt9b	0.076262	0.016711	-0.059551	0.00144827	Yes	Wnt9b	0	0.739942	inf	0.001	0.740942	9.5332168	0.00014386	Yes
Wt1	0.070679	0.019852	-0.050827	0.03216266	Yes	Wt1	0	2.53423	inf	0.001	2.53523	11.3079009	0.00014386	Yes
Wwc2	0.064107	0.011244	-0.052863	6.47E-09	Yes	Wwc2	0.134214	35.9259	8.06435	0.135214	35.9269	8.05367611	0.00014386	Yes
Yap1	0.11571	0.027434	-0.088276	0.00012642	Yes	Yap1	0.00949235	34.8666	11.8428	0.01049235	34.8676	11.6983335	0.00014386	Yes
Ybx2	0.53158	0.17334	-0.35824	9.06E-09	Yes	Ybx2	0.790483	6.63731	3.06979	0.791483	6.63831	3.06818573	0.00014386	Yes
Zbed5	0.69664	0.45577	-0.24087	0.00418734	Yes	Zbed5	7.11154	19.2083	1.4335	7.11254	19.2093	1.43336818	0.00014386	Yes
Zbtb10	0.17759	0.039488	-0.138102	0.00123297	Yes	Zbtb10	0.520538	1.63415	1.65047	0.521538	1.63515	1.64857871	0.00014386	Yes
Zbtb17	0.38968	0.14927	-0.24041	0.00842241	Yes	Zbtb17	16.7704	23.054	0.459097	16.7714	23.055	0.45907654	0.00014386	Yes
Zbtb7b	0.81674	0.89254	0.0758	0.02733646	Yes	Zbtb7b	16.3437	10.6274	-0.620951	16.3447	10.6284	-0.6208985	0.00014386	Yes
Zc3h7b	0.66564	0.38186	-0.28378	0.00229548	Yes	Zc3h7b	14.2373	26.7319	0.908884	14.2383	26.7329	0.90883945	0.00014386	Yes
Zdhhc2	0.11183	0.009293	-0.102537	1.04E-05	Yes	ZDHHC2	0.0846114	5.8404	6.10907	0.0856114	5.8414	6.09236745	0.00014386	Yes
Zfand2b	0.86471	0.46506	-0.39965	4.76E-05	Yes	Zfand2b	41.8076	29.9875	-0.479405	41.8086	29.9885	-0.4793904	0.00014386	Yes
Zfp148	0.12667	0.039816	-0.086854	0.00437164	Yes	Zfp148	18.8768	10.0239	-0.913165	18.8778	10.0249	-0.9131028	0.00014386	Yes
Zfp219	0.82129	0.35241	-0.46888	9.06E-09	Yes	Zfp219	15.3695	29.158	0.923821	15.3705	29.159	0.92377715	0.00014386	Yes
Zfp287	0.0022727	0.053948	0.0516753	8.22E-05	Yes	Zfp287	5.93071	2.33577	-1.34431	5.93171	2.33677	-1.3439323	0.00014386	Yes
Zfp358	0.54081	0.30044	-0.24037	0.00719792	Yes	Zfp358	7.97695	18.3154	1.19915	7.97795	18.3164	1.19904599	0.00014386	Yes
Zfp385a	0.07972	0.2613	0.18158	0.00072449	Yes	Zfp385a	0.418917	6.69565	3.99849	0.419917	6.69665	3.99526347	0.00014386	Yes
Zfp503	0.20502	0.057986	-0.147034	0.0007877	Yes	Zfp503	0.100943	21.0874	7.70669	0.101943	21.0884	7.69254312	0.00014386	Yes
Zfp513	0.92754	0.13812	-0.78942	4.71E-07	Yes	Zfp513	33.123	23.3695	-0.50321	33.124	23.3705	-0.5031883	0.00014386	Yes
Zfp652	0.068953	0.4879	0.418947	2.08E-06	Yes	Zfp652	25.1547	11.539	-1.12431	25.1557	11.54	-1.1242421	0.00014386	Yes
Zfp703	0.26977	0.098192	-0.171578	0.00087121	Yes	Zfp703	1.15944	5.03409	2.11831	1.16044	5.03509	2.11734564	0.00014386	Yes
Zkscan5	0.53526	0.32869	-0.20657	0.0017319	Yes	Zkscan5	4.41756	6.64015	0.587967	4.41856	6.64115	0.58785681	0.00014386	Yes
Zrsr1	0.52296	0.33066	-0.1923	8.22E-05	Yes	Zrsr1	10.572	1.8769	-2.49383	10.573	1.8779	-2.4931926	0.00014386	Yes
Zscan21	0.52029	0.30549	-0.2148	0.03216266	Yes	Zscan21	5.60661	9.03836	0.688933	5.60761	9.03936	0.68883462	0.00014386	Yes
42795	0.33406	0.082277	-0.251783	1.42E-05	No	42797	13.0545	6.05186	-1.1091	13.0555	6.05286	-1.1089688	0.00014386	No
42983	0.22166	0.36418	0.14252	0.00719792	No	42799	30.2477	47.5873	0.653752	30.2487	47.5883	0.65373378	0.00014386	No
Aaas	0.22443	0.072397	-0.152033	6.06E-05	No	42801	80.5957	14.8521	-2.44003	80.5967	14.8531	-2.4399567	0.00014386	No
Aanat	0.40002	0.12178	-0.27824	0.01482889	No	42802	2.35931	25.2575	3.42027	2.36031	25.2585	3.41972071	0.00014386	No
Aatk	0.56125	0.26419	-0.29706	2.41E-07	No	42803	10.021	16.0372	0.678392	10.022	16.0382	0.67834179	0.00014386	No
Abca13	0.80225	0.53604	-0.26621	0.00111391	No	42979	437.273	25.7686	-4.08485	437.274	25.7696	-4.0847955	0.00014386	No
Abcc9	0.096611	0.02436	-0.072251	8.74E-06	No	42982	0.188856	256.834	10.4093	0.189856	256.835	10.4017205	0.00014386	No
Abcg4	0.29298	0.090758	-0.202222	0.00111391	No	42984	170.119	2.17763	-6.28764	170.12	2.17863	-6.2869877	0.00014386	No
Abhd15	0.076455	0.30579	0.229335	2.41E-08	No	42985	109.84	34.5261	-1.66965	109.841	34.5271	-1.6696156	0.00014386	No
Abhd16b	0.98171	0.65746	-0.32425	1.58E-08	No	42988	0.137887	6.09894	5.467	0.138887	6.09994	5.45681158	0.00014386	No
Acot5	0.21104	0.10388	-0.10716	0.00171073	No	0610030E20 Rik	18.4238	6.62179	-1.47628	18.4248	6.62279	-1.4761379	0.00014386	No
Acta1	0.21249	0.10777	-0.10472	0.00533667	No	1110034G24 Rik	16.0963	2.61547	-2.62159	16.0973	2.61647	-2.6211251	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Acta2	0.8593	0.31169	-0.54761	5.96E-07	No	1110058L19 Rik	20.4636	88.8988	2.11911	20.4646	88.8998	2.11904971	0.00014386	No
Actn3	0.55326	0.21929	-0.33397	0.00028308	No	1190007I07 Rik	23.2276	42.8209	0.882474	23.2286	42.8219	0.8824466	0.00014386	No
Actr3b	0.73337	0.47646	-0.25691	0.00087121	No	1500011K16 Rik	70.003	99.6477	0.50942	70.004	99.6487	0.50941362	0.00014386	No
Adamts14	0.60117	0.34736	-0.25381	0.00050175	No	1600014C10 Rik	16.9703	9.31626	-0.865188	16.9713	9.31726	-0.8651194	0.00014386	No
Adamts19	0.099176	0.028368	-0.070808	6.67E-05	No	1700003E16 Rik	0	0.808907	inf	0.001	0.809907	9.66161245	0.00014386	No
Adamts4	0.57779	0.18023	-0.39756	2.93E-12	No	1700021F05 Rik	10.7033	24.4621	1.19249	10.7043	24.4631	1.19241678	0.00014386	No
Adarb1	0.037836	0.19127	0.153434	0.02850905	No	1700056E22 Rik	0.997464	0	-inf	0.998464	0.001	-9.9635666	0.00014386	No
Adcy5	0.062461	0.010705	-0.051756	0.00087121	No	1810009A15 Rik	61.5718	29.5401	-1.0596	61.5728	29.5411	-1.0595696	0.00014386	No
Adgrb3	0.07318	0.0109	-0.06228	0.00012642	No	1810037I17 Rik	34.5939	114.91	1.73192	34.5949	114.911	1.73188563	0.00014386	No
Adgre5	0.055194	0.3456	0.290406	7.31E-07	No	1810043H04 Rik	49.8478	148.682	1.57663	49.8488	148.683	1.57660902	0.00014386	No
Adgrl4	0.18745	0.075596	-0.111854	3.52E-05	No	2200002D01 Rik	0.802185	185.67	7.85459	0.803185	185.671	7.85280046	0.00014386	No
Ado	0.35748	0.17778	-0.1797	0.0038486	No	2210018M11 Rik	10.4103	2.49989	-2.05807	10.4113	2.50089	-2.0576367	0.00014386	No
Adprhl1	0.8692	0.65081	-0.21839	0.00065829	No	2310030G06 Rik	1.04707	38.4606	5.19896	1.04807	38.4616	5.1976118	0.00014386	No
Adra1a	0.072175	0.25611	0.183935	9.98E-06	No	2310067B10 Rik	24.3384	13.0809	-0.895778	24.3394	13.0819	-0.8957215	0.00014386	No
Adra1d	0.087148	0.021646	-0.065502	6.06E-05	No	2410004P03 Rik	0	7.26908	inf	0.001	7.27008	12.8277555	0.00014386	No
Adra2b	0.089261	0.014647	-0.074614	1.43E-06	No	2510049J12 Rik	0	40.3571	inf	0.001	40.3581	15.3005706	0.00014386	No
Adra2c	0.29817	0.06764	-0.23053	8.74E-06	No	2610008E11 Rik	8.00681	3.81542	-1.06939	8.00781	3.81642	-1.0691878	0.00014386	No
Adrb1	0.13023	0.024805	-0.105425	1.21E-08	No	2810408A11 Rik	3.33553	12.8571	1.94657	3.33653	12.8581	1.9462571	0.00014386	No
Afap1l2	0.056474	0.12498	0.068506	0.0007877	No	3110052M02 Rik	9.47144	1.266	-2.90331	9.47244	1.267	-2.9023196	0.00014386	No
Agap3	0.0018706	0.075337	0.0734664	4.71E-07	No	3110057O12 Rik	16.9917	2.102	-3.01499	16.9927	2.103	-3.0143943	0.00014386	No
Agxt	0.8356	0.50541	-0.33019	4.44E-05	No	4921507P07 Rik	3.13213	1.47724	-1.08425	3.13313	1.47824	-1.0837241	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ajuba	0.17153	0.017591	-0.153939	5.41E-06	No	4933426M11Rik	32.4273	15.7925	-1.03797	32.4283	15.7935	-1.0379225	0.00014386	No
Akap17a	0.92656	0.62935	-0.29721	1.28E-06	No	5730508B09Rik	20.9775	6.78904	-1.62756	20.9785	6.79004	-1.6274195	0.00014386	No
Akr7a3	0.10552	0.018413	-0.087107	0.00229548	No	5830473C10Rik	0.374503	15.5973	5.38017	0.375503	15.5983	5.37642056	0.00014386	No
Aldh1b1	0.054129	0.1129	0.058771	0.00281863	No	5S_rRNA	48.5426	20.1065	-1.27159	48.5436	20.1075	-1.2715474	0.00014386	No
Alg3	0.83635	0.5367	-0.29965	4.44E-05	No	6430531B16Rik	0.597915	6.1464	3.36173	0.598915	6.1474	3.35955319	0.00014386	No
Alox12b	0.16905	0.065924	-0.103126	0.00171073	No	6720489N17Rik	9.58656	2.43286	-1.97836	9.58756	2.43386	-1.9779175	0.00014386	No
Alox15b	0.2242	0.14988	-0.07432	0.01961146	No	9230110C19Rik	0	3.22388	inf	0.001	3.22488	11.6550298	0.00014386	No
Alox5	0.11705	0.036646	-0.080404	0.00015722	No	A1cf	0	0.790215	inf	0.001	0.791215	9.62792597	0.00014386	No
Alpi	0.69131	0.42877	-0.26254	0.0058184	No	A4galt	0	7.85556	inf	0.001	7.85656	12.9396821	0.00014386	No
Alpk3	0.78731	0.53866	-0.24865	0.00017969	No	A4gnt	1.68729	0	-inf	1.68829	0.001	-10.721347	0.00014386	No
Als2cr11	0.975	0.8952	-0.0798	0.00194697	No	A630007B06Rik	13.1284	20.2103	0.622407	13.1294	20.2113	0.62236113	0.00014386	No
Alx1	0.090763	0.032799	-0.057964	0.00123297	No	A830010M2ORik	2.72047	1.04904	-1.37479	2.72147	1.05004	-1.3739418	0.00014386	No
Amh	0.8853	0.81512	-0.07018	5.00E-06	No	Aacs	17.9618	5.73568	-1.64689	17.9628	5.73668	-1.6467243	0.00014386	No
Amhr2	0.74602	0.50953	-0.23649	0.00281863	No	Aadac	0	1.0594	inf	0.001	1.0604	10.0503929	0.00014386	No
Amigo2	0.80946	0.61939	-0.19007	0.00031293	No	Aadat	0.0605041	251.784	12.0229	0.0615041	251.785	11.9992221	0.00014386	No
Amigo3	0.90532	0.72937	-0.17595	0.00111391	No	Aaed1	1.45953	39.8339	4.77042	1.46053	39.8349	4.76946906	0.00014386	No
Angpt4	0.77851	0.55256	-0.22595	0.01206268	No	Aamdc	8.53233	35.2564	2.04687	8.53333	35.2574	2.04674534	0.00014386	No
Angptl4	0.023958	0.1316	0.107642	0.00087121	No	AAR2	6.67339	10.3053	0.626887	6.67439	10.3063	0.6268186	0.00014386	No
Ankrd13d	0.10776	0.028151	-0.079609	0.0007877	No	Aars	23.1638	64.0708	1.46779	23.1648	64.0718	1.46775529	0.00014386	No
Ankrd34a	0.12223	0.060856	-0.061374	0.00093244	No	Abat	0.735714	12.6798	4.10724	0.736714	12.6808	4.1053973	0.00014386	No
Ankrd55	0.88654	0.83368	-0.05286	0.01040885	No	Abca2	20.1558	43.4354	1.10767	20.1568	43.4364	1.10763792	0.00014386	No
Ankrd65	0.85975	0.16455	-0.6952	2.27E-12	No	ABCA3	12.9724	25.1274	0.953818	12.9734	25.1284	0.95376219	0.00014386	No
Anks1b	0.1792	0.076555	-0.102645	0.02733646	No	Abcb10	4.18642	10.2914	1.29765	4.18742	10.2924	1.2974459	0.00014386	No
Ano4	0.084969	0.010206	-0.074763	1.08E-05	No	Abcb6	2.19881	25.9757	3.56237	2.19981	25.9767	3.56176734	0.00014386	No
Ap1g1	0.78052	0.58926	-0.19126	0.02346238	No	Abcb7	10.9761	7.77655	-0.497169	10.9771	7.77755	-0.4971093	0.00014386	No
Ap3d1	0.34498	0.14825	-0.19673	2.46E-09	No	Abcc1	10.0113	2.18456	-2.19621	10.0123	2.18556	-2.1956985	0.00014386	No
Apba1	0.24005	0.092254	-0.147796	1.98E-05	No	ABCC4	4.22554	23.8645	2.49766	4.22654	23.8655	2.49737755	0.00014386	No
Apc2	0.67215	0.16529	-0.50686	4.71E-07	No	Abcc5	38.6953	21.0085	-0.881185	38.6963	21.0095	-0.8811538	0.00014386	No
Apob	0.83545	0.36865	-0.4668	7.31E-07	No	Abcc6	0	3.87212	inf	0.001	3.87312	11.9192805	0.00014386	No
Apod	0.72612	0.41775	-0.30837	0.00087121	No	Abcc8	0	2.47947	inf	0.001	2.48047	11.2763978	0.00014386	No
Aqp5	0.15028	0.074117	-0.076163	9.62E-06	No	Abcd1	12.4955	3.94388	-1.66372	12.4965	3.94488	-1.6634708	0.00014386	No
Aqp7	0.62431	0.42559	-0.19872	0.01120909	No	Abcd3	12.5752	25.7774	1.03553	12.5762	25.7784	1.03546666	0.00014386	No
Arfgap1	0.36701	0.080474	-0.286536	2.12E-07	No	Abce1	29.6337	13.4711	-1.13737	29.6347	13.4721	-1.1373127	0.00014386	No
Arg2	0.079479	0.0066667	-0.0728123	0.00173557	No	Abcg1	32.5129	7.0118	-2.21315	32.5139	7.0128	-2.2129941	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Arhgap30	0.014019	0.41398	0.399961	4.71E-07	No	Abcg2	0.0476417	12.5317	8.03914	0.0486417	12.5327	8.00928789	0.00014386	No
Arhgap8	0.39357	0.21058	-0.18299	0.01961146	No	Abcg3l3	10.0994	3.84005	-1.39508	10.1004	3.84105	-1.3948398	0.00014386	No
Arhgef16	0.11278	0.059358	-0.053422	0.01289082	No	Abhd10	12.2205	7.26031	-0.751206	12.2215	7.26131	-0.7511196	0.00014386	No
Arhgef7	0.77444	0.68904	-0.0854	0.03216266	No	Abhd11	16.8564	30.7778	0.868594	16.8574	30.7788	0.86855495	0.00014386	No
Arid3a	0.84931	0.65099	-0.19832	7.51E-10	No	Abhd12	11.7873	26.322	1.15903	11.7883	26.323	1.15896824	0.00014386	No
Arl9	0.896	0.84028	-0.05572	0.01268638	No	Abhd13	9.03183	4.68064	-0.948311	9.03283	4.68164	-0.9481641	0.00014386	No
Arpin	0.77785	0.099354	-0.678496	0.00017371	No	Abhd14b	0.831161	134.905	7.3426	0.832161	134.906	7.34087612	0.00014386	No
Arsi	0.084506	0.015539	-0.068967	3.76E-05	No	Abhd17a	52.0795	75.2516	0.531007	52.0805	75.2526	0.53099813	0.00014386	No
Art1	0.83961	0.66003	-0.17958	5.77E-05	No	Abhd17b	19.067	7.8211	-1.28563	19.068	7.8221	-1.2855256	0.00014386	No
Art4	0.04452	0.38564	0.34112	5.96E-07	No	Abhd17c	24.3907	86.7753	1.83095	24.3917	86.7763	1.83091076	0.00014386	No
Asb10	0.43305	0.11738	-0.31567	0.00103522	No	Abhd2	6.49529	3.7064	-0.809376	6.49629	3.7074	-0.8092083	0.00014386	No
Ascl1	0.12218	0.030044	-0.092136	0.00054762	No	Abhd3	0.219952	5.79286	4.71902	0.220952	5.79386	4.71271993	0.00014386	No
Asic2	0.80336	0.73509	-0.06827	0.04412687	No	Abhd4	14.4829	40.2973	1.47633	14.4839	40.2983	1.47626886	0.00014386	No
Asic4	0.40508	0.60802	0.20294	0.00054762	No	Abhd5	7.08492	25.2837	1.83539	7.08592	25.2847	1.83523758	0.00014386	No
Asmt	0.97273	0.9078	-0.06493	0.00229548	No	Abi1	64.8606	16.2956	-1.99286	64.8616	16.2966	-1.9927936	0.00014386	No
Asna1	0.53617	0.3823	-0.15387	7.31E-07	No	Abi2	1.50328	4.67655	1.63733	1.50428	4.67755	1.63667995	0.00014386	No
Astn2	0.12077	0.0091462	-0.1116238	1.57E-05	No	Abi3bp	0	1.51468	inf	0.001	1.51568	10.5657495	0.00014386	No
Atf7ip2	0.093187	0.011026	-0.082161	0.00050175	No	Abl1	6.74843	10.2272	0.599786	6.74943	10.2282	0.5997147	0.00014386	No
Atp2b2	0.09212	0.0092354	-0.0828846	6.06E-05	No	Ablim1	167.746	45.7002	-1.87601	167.747	45.7012	-1.875983	0.00014386	No
Atp2c2	0.1556	0.04379	-0.11181	1.61E-10	No	Abr	24.7233	8.85077	-1.48199	24.7243	8.85177	-1.4818918	0.00014386	No
Atp6v1g2	0.10364	0.018804	-0.084836	9.57E-07	No	Abracl	346.177	64.5728	-2.42251	346.178	64.5738	-2.4224932	0.00014386	No
Azin2	0.31923	0.57398	0.25475	0.00188523	No	Abt1	32.0628	14.1906	-1.17596	32.0638	14.1916	-1.1759082	0.00014386	No
B3gat2	0.073138	0.015054	-0.058084	0.00054762	No	Abtb2	13.531	3.7166	-1.86421	13.532	3.7176	-1.8639316	0.00014386	No
B3gnt3	0.51283	0.19543	-0.3174	0.00123297	No	Acaa1a	25.0743	80.3301	1.67973	25.0753	80.3311	1.67969167	0.00014386	No
B3gnt8	0.7531	0.48413	-0.26897	0.00281863	No	Acaa2	38.0534	143.686	1.91682	38.0544	143.687	1.91679436	0.00014386	No
B4galt2	0.2011	0.049361	-0.151739	5.41E-06	No	Acaca	4.04946	1.8278	-1.14762	4.05046	1.8288	-1.1471885	0.00014386	No
B4gat1	0.36278	0.049678	-0.313102	2.32E-06	No	Acacb	0.111487	38.1768	8.41968	0.112487	38.1778	8.40683188	0.00014386	No
Bace1	0.13251	0.049377	-0.083133	0.00144827	No	Acad10	4.88481	16.1779	1.72765	4.88581	16.1789	1.72744386	0.00014386	No
Bace2	0.12079	0.042262	-0.078528	0.00010321	No	Acad11	2.88859	23.8861	3.04773	2.88959	23.8871	3.047295	0.00014386	No
Bag3	0.32294	0.044153	-0.278787	6.75E-07	No	Acad9	12.4011	18.8161	0.601499	12.4021	18.8171	0.60145988	0.00014386	No
Barhl1	0.13516	0.045655	-0.089505	6.06E-05	No	Acadl	34.6488	106.803	1.62408	34.6498	106.804	1.62404675	0.00014386	No
Batf3	0.12478	0.014823	-0.109957	0.00173557	No	Acadm	48.6801	206.847	2.08716	48.6811	206.848	2.08713734	0.00014386	No
Bbs4	0.74629	0.53836	-0.20793	3.81E-09	No	Acads	15.9194	46.1583	1.5358	15.9204	46.1593	1.53574476	0.00014386	No
Bbs7	0.14417	0.029638	-0.114532	3.76E-05	No	Acadsb	2.05365	12.0463	2.55233	2.05465	12.0473	2.55174529	0.00014386	No
Bcan	0.10557	0.026024	-0.079546	0.00045631	No	Acadvl	35.4288	81.8201	1.20753	35.4298	81.8211	1.20750961	0.00014386	No
Bcat1	0.48166	0.22278	-0.25888	0.00015722	No	Acap1	507.284	205.83	-1.30134	507.285	205.831	-1.3013362	0.00014386	No
Bcdin3d	0.0035714	0.20733	0.2037586	1.83E-06	No	Acap2	8.60443	3.0489	-1.49679	8.60543	3.0499	-1.4964853	0.00014386	No
Bcl3	0.12581	0.053089	-0.072721	3.13E-07	No	Acat1	59.033	314.762	2.41467	59.034	314.763	2.41464796	0.00014386	No
Bcl6b	0.77932	0.5397	-0.23962	0.00301385	No	Acbd6	20.2875	29.6108	0.545533	20.2885	29.6118	0.54550998	0.00014386	No
Bdnf	0.12761	0.064371	-0.063239	0.01049788	No	Acd	55.5848	25.9961	-1.09639	55.5858	25.9971	-1.0963657	0.00014386	No
Begain	0.081075	0.023724	-0.057351	0.00132879	No	Ace2	0	1.23896	inf	0.001	1.23996	10.2760779	0.00014386	No
Bfsp1	0.34783	0.22698	-0.12085	0.01482889	No	Ace3	0	1.52029	inf	0.001	1.52129	10.5710795	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Bhmt2	0.55579	0.2063	-0.34949	1.94E-07	No	Acin1	138.511	69.5746	-0.993363	138.512	69.5756	-0.9933576	0.00014386	No
Bik	0.033271	0.14187	0.108599	4.76E-05	No	Acly	64.99	37.7495	-0.783759	64.991	37.7505	-0.7837442	0.00014386	No
Bmi1	0.039871	0.098356	0.058485	0.00017969	No	Acmsd	0	54.0214	inf	0.001	54.0224	15.7212701	0.00014386	No
Bmp3	0.1389	0.023621	-0.115279	4.76E-05	No	Acn9	10.3639	62.3952	2.58987	10.3649	62.3962	2.58975197	0.00014386	No
Bmp8a	0.14422	0.080759	-0.063461	0.00770116	No	Aco1	6.89998	111.012	4.00797	6.90098	111.013	4.00778357	0.00014386	No
Boll	0.26722	0.13399	-0.13323	0.00369602	No	Aco2	43.1379	193.255	2.16348	43.1389	193.256	2.16345191	0.00014386	No
Borcs6	0.65568	0.32783	-0.32785	0.0058184	No	Acot1	15.0892	76.8786	2.34906	15.0902	76.8796	2.3489889	0.00014386	No
Borcs7	0.65111	0.31319	-0.33792	3.58E-07	No	Acot13	7.92382	57.9004	2.86931	7.92482	57.9014	2.86914816	0.00014386	No
Bpi	0.105	0.029002	-0.075998	0.00144827	No	Acot4	0.0176455	6.32085	8.48467	0.0186455	6.32185	8.40537551	0.00014386	No
Bpifb3	0.93998	0.70385	-0.23613	2.08E-06	No	Acot7	167.974	21.9372	-2.93679	167.975	21.9382	-2.9367295	0.00014386	No
Btbd16	0.81193	0.57725	-0.23468	0.00173557	No	Acot8	12.2215	31.6522	1.37289	12.2225	31.6532	1.37281195	0.00014386	No
Btn1a1	0.094456	0.04119	-0.053266	0.03700939	No	Acox1	11.6892	64.8183	2.47122	11.6902	64.8193	2.47112383	0.00014386	No
C1q1	0.053979	0.026269	-0.02771	1.73E-05	No	Acox3	8.62257	14.7533	0.774846	8.62357	14.7543	0.77477833	0.00014386	No
C1q12	0.057842	0.011547	-0.046295	2.15E-12	No	Acp1	42.0577	71.0369	0.756201	42.0587	71.0379	0.75618468	0.00014386	No
C1qtnf5	0.92529	0.60644	-0.31885	6.83E-08	No	Acp2	5.00808	25.2502	2.33396	5.00908	25.2512	2.33373439	0.00014386	No
C2cd4c	0.84384	0.25281	-0.59103	2.15E-12	No	Acp5	91.9573	61.6359	-0.577193	91.9583	61.6369	-0.5771855	0.00014386	No
Cacna1e	0.33664	0.15173	-0.18491	3.41E-06	No	Acpl2	19.8965	6.37302	-1.64246	19.8975	6.37402	-1.6423117	0.00014386	No
Cacna1i	0.96152	0.29223	-0.66929	2.16E-09	No	Acpp	6.75685	2.38086	-1.50487	6.75785	2.38186	-1.5044757	0.00014386	No
Cacna1s	0.12734	0.051934	-0.075406	4.31E-08	No	Acsf3	5.19667	41.9701	3.0137	5.19767	41.9711	3.01345933	0.00014386	No
Cacna2d1	0.16966	0.037291	-0.132369	0.00103522	No	Acs1	3.4751	25.2864	2.86323	3.4761	25.2874	2.86287722	0.00014386	No
Cacna2d2	0.13383	0.035073	-0.098757	0.00451501	No	Acs13	4.44638	7.57563	0.768735	4.44738	7.57663	0.76860062	0.00014386	No
Cacng2	0.057126	0.0055728	-0.0515532	0.00050175	No	Acs14	6.61586	14.1485	1.09664	6.61686	14.1495	1.09653241	0.00014386	No
Cadm4	0.21607	0.45981	0.24374	0.00015279	No	Acsm1	0	7.79493	inf	0.001	7.79593	12.9285054	0.00014386	No
Calb2	0.25963	0.077034	-0.182596	2.23E-05	No	Acsm2a	0.025992	107.657	12.0161	0.026992	107.658	11.961636	0.00014386	No
Calcr	0.15726	0.076754	-0.080506	0.04638126	No	Acsm3	0.0244874	76.894	11.6166	0.0254874	76.895	11.5588899	0.00014386	No
Calhm1	0.84609	0.41227	-0.43382	3.18E-10	No	Acss1	73.7743	41.4912	-0.830314	73.7753	41.4922	-0.8302977	0.00014386	No
Calhm3	0.76691	0.64393	-0.12298	0.0247155	No	Acss2	4.33639	56.2749	3.69792	4.33739	56.2759	3.69761815	0.00014386	No
Caly	0.11367	0.03975	-0.07392	0.00281863	No	Acss3	0	22.7746	inf	0.001	22.7756	14.4752014	0.00014386	No
Camk2n2	0.29567	0.075114	-0.220556	7.31E-07	No	Actb	4629.95	1198.77	-1.94945	4629.951	1198.771	-1.9494408	0.00014386	No
Capn12	0.85512	0.68952	-0.1656	9.44E-05	No	Actg1	633.993	1005.15	0.664869	633.994	1005.151	0.66487116	0.00014386	No
Car13	0.62425	0.27961	-0.34464	0.00111391	No	Actn4	70.6762	130.308	0.882633	70.6772	130.309	0.88261994	0.00014386	No
Car3	0.12087	0.025696	-0.095174	1.73E-05	No	Actr1b	16.5518	26.6946	0.689566	16.5528	26.6956	0.6895267	0.00014386	No
Car4	0.092361	0.013207	-0.079154	6.67E-05	No	Actr2	193.977	50.2019	-1.95007	193.978	50.2029	-1.9500504	0.00014386	No
Car9	0.77761	0.58194	-0.19567	0.00334552	No	Actr3	429.39	94.9635	-2.17684	429.391	94.9645	-2.1768317	0.00014386	No
Carkd	0.76201	0.3124	-0.44961	9.98E-06	No	Acvr1	0.104915	14.1582	7.07627	0.105915	14.1592	7.06268902	0.00014386	No
Cartpt	0.30562	0.15058	-0.15504	0.01832913	No	Acvr1b	6.0515	12.9734	1.10019	6.0525	12.9744	1.10006474	0.00014386	No
Cass4	0.0016581	0.11979	0.1181319	1.66E-07	No	Acy1	18.2238	340.432	4.22348	18.2248	340.433	4.223396	0.00014386	No
Cav3	0.8947	0.38578	-0.50892	8.46E-07	No	Acy3	0.947667	181.371	7.58034	0.948667	181.372	7.57883427	0.00014386	No
Cbln1	0.14549	0.056998	-0.088492	5.89E-06	No	Acyp2	0.270719	8.93336	5.04433	0.271719	8.93436	5.03917703	0.00014386	No
Cbln4	0.10555	0.024024	-0.081526	2.80E-05	No	Ada	26.1183	10.6789	-1.2903	26.1193	10.6799	-1.2902181	0.00014386	No
Cbx8	0.79016	0.66759	-0.12257	0.02850905	No	Adam10	59.9888	10.5762	-2.50387	59.9898	10.5772	-2.5037595	0.00014386	No
Ccdc105	0.14707	0.034111	-0.112959	0.00054762	No	Adam17	18.3064	9.70078	-0.916177	18.3074	9.70178	-0.9161055	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ccdc166	0.49197	0.32583	-0.16614	0.00057292	No	Adam22	0.0157642	1.52849	6.59931	0.0167642	1.52949	6.51152323	0.00014386	No
Ccdc184	0.10637	0.035403	-0.070967	7.60E-06	No	Adam8	6.29438	0.935049	-2.75095	6.29538	0.936049	-2.7496375	0.00014386	No
Ccdc24	0.63237	0.18562	-0.44675	1.70E-08	No	Adam9	1.98119	8.13136	2.03713	1.98219	8.13236	2.03657882	0.00014386	No
Ccdc7	0.85449	0.77416	-0.08033	0.0247155	No	Adamts1	0	8.22001	inf	0.001	8.22101	13.0050999	0.00014386	No
Ccdc89	0.34213	0.069777	-0.272353	1.12E-06	No	Adamts10	57.1778	19.6232	-1.54289	57.1788	19.6242	-1.5428465	0.00014386	No
Ccer1	0.68159	0.8195	0.13791	0.00077259	No	Adamts16	0	0.974265	inf	0.001	0.975265	9.92965047	0.00014386	No
Ccl27	0.25174	0.058085	-0.193655	2.73E-09	No	Adamts17	0	1.00756	inf	0.001	1.00856	9.9780812	0.00014386	No
Ccl28	0.69069	0.48247	-0.20822	0.02220995	No	Adamts14	0.630577	2.2362	1.82631	0.631577	2.2372	1.8246637	0.00014386	No
Ccna1	0.066595	0.015269	-0.051326	0.00050175	No	Adap1	1.39846	13.5133	3.27247	1.39946	13.5143	3.27154463	0.00014386	No
Cct6b	0.076929	0.016402	-0.060527	0.00173557	No	Adar	34.0671	12.3637	-1.46227	34.0681	12.3647	-1.4621943	0.00014386	No
Cct8l1	0.83505	0.68394	-0.15111	0.02346238	No	Adat1	3.12106	0.766115	-2.0264	3.12206	0.767115	-2.0249835	0.00014386	No
Cd164l2	0.44369	0.12185	-0.32184	1.32E-08	No	Adat2	25.6752	3.70252	-2.79379	25.6762	3.70352	-2.7934627	0.00014386	No
Cd248	0.48893	0.1379	-0.35103	4.54E-12	No	Adc	0	3.4772	inf	0.001	3.4782	11.7641252	0.00014386	No
Cd52	0.67783	0.59302	-0.08481	0.00123297	No	Adck1	4.39093	17.9686	2.03288	4.39193	17.9696	2.03263133	0.00014386	No
Cd72	0.11473	0.31079	0.19606	0.00173557	No	Adck3	9.48856	18.3141	0.94869	9.48956	18.3151	0.94862048	0.00014386	No
Cdc42ep3	0.08631	0.0069444	-0.0793656	0.0003366	No	Adck4	14.8443	44.4171	1.58121	14.8453	44.4181	1.58114143	0.00014386	No
Cdh13	0.6062	0.27328	-0.33292	1.28E-06	No	Adcy4	1.10794	11.6248	3.39125	1.10894	11.6258	3.39007678	0.00014386	No
Cdh3	0.52758	0.075311	-0.452269	1.58E-08	No	Adcy7	44.3792	6.44503	-2.78363	44.3802	6.44603	-2.7834334	0.00014386	No
Cdh8	0.18234	0.010891	-0.171449	3.85E-07	No	Add1	204.583	121.781	-0.748392	204.584	121.782	-0.7483924	0.00014386	No
Cdk5r2	0.1027	0.027024	-0.075676	2.27E-05	No	Add3	195.613	24.9265	-2.97225	195.614	24.9275	-2.9721995	0.00014386	No
Cdon	0.95428	0.66112	-0.29316	9.98E-06	No	Adhfe1	0.081751	59.4225	9.50556	0.082751	59.4235	9.48804112	0.00014386	No
Ceacam4	0.82165	0.74214	-0.07951	0.00281863	No	Adi1	26.8397	119.492	2.15447	26.8407	119.493	2.1544319	0.00014386	No
Cebpe	0.84564	0.55028	-0.29536	2.06E-11	No	Adipor1	47.1301	99.2584	1.07454	47.1311	99.2594	1.07452438	0.00014386	No
Cela1	0.010303	0.11986	0.109557	4.82E-11	No	Adipor2	30.7803	22.805	-0.432657	30.7813	22.806	-0.4326407	0.00014386	No
Celf3	0.21726	0.12256	-0.0947	0.04051274	No	Adk	35.1665	82.8468	1.23624	35.1675	82.8478	1.23622061	0.00014386	No
Celf4	0.079826	0.015307	-0.064519	0.00025822	No	Adora1	0	7.37814	inf	0.001	7.37914	12.849237	0.00014386	No
Celsr3	0.13151	0.024701	-0.106809	7.62E-05	No	Adpgk	16.021	4.83661	-1.7279	16.022	4.83761	-1.7276879	0.00014386	No
Cfb	0.7314	0.36094	-0.37046	2.08E-06	No	Adprh	46.2768	19.8738	-1.21942	46.2778	19.8748	-1.2193799	0.00014386	No
Cfd	0.28872	0.074224	-0.214496	1.52E-09	No	Adprm	32.6994	13.9548	-1.2285	32.7004	13.9558	-1.2284435	0.00014386	No
Chad	0.89316	0.76899	-0.12417	2.53E-06	No	Adrbk1	149.1	21.4201	-2.79924	149.101	21.4211	-2.7991855	0.00014386	No
Chchd2	0.67371	0.43025	-0.24346	0.01120909	No	Adrm1	62.5867	91.5441	0.54861	62.5877	91.5451	0.54860351	0.00014386	No
Chchd5	0.11682	0.06142	-0.0554	0.02733646	No	Aebp1	0.0890609	5.0526	5.82609	0.0900609	5.0536	5.81026677	0.00014386	No
Chd5	0.081432	0.016698	-0.064734	3.20E-06	No	Aebp2	16.1293	9.75636	-0.72527	16.1303	9.75736	-0.7252105	0.00014386	No
Chmp4c	0.10959	0.0095489	-0.1000411	1.04E-10	No	Afap1l1	0.0750501	15.2337	7.6652	0.0760501	15.2347	7.64619523	0.00014386	No
Chrd	0.050822	0.27223	0.221408	1.70E-08	No	Aff4	9.86818	5.60526	-0.816003	9.86918	5.60626	-0.8158916	0.00014386	No
Chrdl2	0.18829	0.042069	-0.146221	0.00054762	No	Afg3l1	13.1111	27.2413	1.05501	13.1121	27.2423	1.05494975	0.00014386	No
Chrm1	0.6416	0.36183	-0.27977	0.0024744	No	Afm	0	28.9143	inf	0.001	28.9153	14.8195454	0.00014386	No
Chrm4	0.11619	0.029141	-0.087049	0.00628692	No	Afmid	1.68256	28.7329	4.09397	1.68356	28.7339	4.09316678	0.00014386	No
Chrna10	0.85647	0.71443	-0.14204	3.76E-05	No	Aftph	49.248	34.5629	-0.51084	49.249	34.5639	-0.5108284	0.00014386	No
Chrna3	0.11038	0.047279	-0.063101	0.00281863	No	Agap1	5.58663	16.8293	1.59092	5.58763	16.8303	1.5907525	0.00014386	No
Chrna7	0.085013	0.014846	-0.070167	0.00014055	No	Agbl3	11.0279	42.7331	1.9542	11.0289	42.7341	1.95409883	0.00014386	No
Chst3	0.74968	0.8526	0.10292	0.00334552	No	Agfg1	24.9241	15.6931	-0.667412	24.9251	15.6941	-0.667377	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Chst8	0.087802	0.031954	-0.055848	0.00842241	No	Agfg2	12.779	21.3914	0.743252	12.78	21.3924	0.74321051	0.00014386	No
Cilp2	0.13486	0.033536	-0.101324	0.00628692	No	Agl	4.19401	6.5096	0.634236	4.19501	6.5106	0.63411625	0.00014386	No
Cistr	0.025048	0.12567	0.100622	2.80E-05	No	Ago1	19.129	7.05474	-1.43909	19.13	7.05574	-1.4389676	0.00014386	No
Clca5	0.64651	0.46003	-0.18648	0.02850905	No	Ago2	4.61232	1.01334	-2.18638	4.61332	1.01434	-2.1852641	0.00014386	No
Cldn3	0.11539	0.038856	-0.076534	0.01961146	No	Agpat4	2.96061	8.25268	1.47897	2.96161	8.25368	1.47865583	0.00014386	No
Cldn4	0.47071	0.11117	-0.35954	2.15E-12	No	Agpat5	7.80111	11.7768	0.59419	7.80211	11.7778	0.59413384	0.00014386	No
Cldn7	0.15561	0.045441	-0.110169	0.0003366	No	Agpat9	0.145731	5.55977	5.25365	0.146731	5.56077	5.24403906	0.00014386	No
Cldn8	0.88713	0.69759	-0.18954	0.00065829	No	Agrn	1.34432	52.8491	5.29693	1.34532	52.8501	5.29588492	0.00014386	No
Clic6	0.095502	0.026544	-0.068958	5.77E-05	No	Agt	0.168312	4.25435	4.65973	0.169312	4.25535	4.65152166	0.00014386	No
Clps	0.72619	0.3351	-0.39109	2.15E-12	No	Agtpbp1	3.84951	29.0282	2.91471	3.85051	29.0292	2.91438337	0.00014386	No
Clstn1	0.058929	0.0058824	-0.0530466	0.00369602	No	Agtr1a	0	2.81202	inf	0.001	2.81302	11.4579041	0.00014386	No
Cmss1	0.39519	0.25204	-0.14315	0.00334552	No	Agtrap	9.3254	34.2866	1.87841	9.3264	34.2876	1.87829471	0.00014386	No
Cnfn	0.12984	0.04078	-0.08906	0.00418734	No	Ahctf1	12.7746	6.57258	-0.95875	12.7756	6.57358	-0.9586399	0.00014386	No
Cnksr1	0.29368	0.060482	-0.233198	2.15E-12	No	Ahcyl1	29.405	39.5414	0.427302	29.406	39.5424	0.42728988	0.00014386	No
Cnn1	0.1041	0.022045	-0.082055	2.52E-05	No	Ahcyl2	8.56987	35.3013	2.04238	8.57087	35.3023	2.04224862	0.00014386	No
Cnnm1	0.16349	0.080209	-0.083281	0.00093244	No	Ahsa1	109.057	75.235	-0.535614	109.058	75.236	-0.5356005	0.00014386	No
Cntnap4	0.26989	0.088941	-0.180949	2.65E-06	No	Ahsa2	45.9036	18.7402	-1.29247	45.9046	18.7412	-1.2924254	0.00014386	No
Col11a2	0.37	0.18921	-0.18079	2.29E-06	No	Al462493	56.553	112.827	0.996434	56.554	112.828	0.99642417	0.00014386	No
Col16a1	0.24319	0.038432	-0.204758	2.15E-12	No	Al467606	76.815	8.13567	-3.23906	76.816	8.13667	-3.2388965	0.00014386	No
Col26a1	0.24095	0.085593	-0.155357	5.27E-08	No	Aida	24.8212	13.0333	-0.929371	24.8222	13.0343	-0.9293179	0.00014386	No
Col5a3	0.1717	0.052462	-0.119238	7.31E-07	No	Aif1l	0.135178	353.383	11.3522	0.136178	353.384	11.3415274	0.00014386	No
Col9a2	0.10621	0.022502	-0.083708	0.00369602	No	Aifm1	39.0127	68.4614	0.811346	39.0137	68.4624	0.81133104	0.00014386	No
Commd4	0.97911	0.9193	-0.05981	0.01120909	No	Aifm2	0.516438	5.68575	3.46068	0.517438	5.68675	3.45814647	0.00014386	No
Commd5	0.55802	0.25598	-0.30204	0.00038568	No	Aim1	3.00169	0.618779	-2.27828	3.00269	0.619779	-2.2764298	0.00014386	No
Comp	0.082255	0.02881	-0.053445	0.0058184	No	Aim2	36.4455	1.88238	-4.27511	36.4465	1.88338	-4.2743843	0.00014386	No
Copz2	0.29705	0.19002	-0.10703	0.03808344	No	Aimp1	66.2455	46.6679	-0.505393	66.2465	46.6689	-0.5053828	0.00014386	No
Corin	0.10146	0.032684	-0.068776	0.00317797	No	Aimp2	26.3667	71.3988	1.43718	26.3677	71.3998	1.4371483	0.00014386	No
Cort	0.67319	0.4402	-0.23299	0.00902244	No	Ak1	0	11.9211	inf	0.001	11.9221	13.5413508	0.00014386	No
Cpeb1	0.092414	0.030472	-0.061942	1.07E-07	No	Ak3	73.8269	215.148	1.54311	73.8279	215.149	1.54309811	0.00014386	No
Cplx1	0.13103	0.05675	-0.07428	3.76E-07	No	Ak4	0.0713619	68.2454	9.90136	0.0723619	68.2464	9.88130694	0.00014386	No
Cpne6	0.68175	0.17652	-0.50523	2.59E-07	No	Akap1	4.40301	9.55705	1.11807	4.40401	9.55805	1.11789857	0.00014386	No
Cpne9	0.18167	0.040802	-0.140868	2.29E-08	No	Akap10	10.5845	5.69213	-0.894917	10.5855	5.69313	-0.8947955	0.00014386	No
Cpt1c	0.1115	0.014115	-0.097385	0.00976507	No	Akap13	44.8038	8.94295	-2.3248	44.8048	8.94395	-2.3246693	0.00014386	No
Cpxm2	0.153	0.045408	-0.107592	0.00205129	No	Akap17b	11.9062	1.03012	-3.53083	11.9072	1.03112	-3.5295501	0.00014386	No
Cracr2b	0.16756	0.029802	-0.137758	0.03216266	No	Akap2	4.16289	38.7948	3.22021	4.16389	38.7958	3.21989661	0.00014386	No
Crb2	0.50758	0.17378	-0.3338	3.15E-05	No	Akap7	2.04674	7.42698	1.85945	2.04774	7.42798	1.85893738	0.00014386	No
Creb3l4	0.91662	0.34848	-0.56814	4.71E-07	No	Akap8	87.3721	33.7181	-1.37365	87.3731	33.7191	-1.3736231	0.00014386	No
Crhr1	0.09986	0.022481	-0.077379	2.19E-10	No	Akirin1	59.4481	20.8238	-1.5134	59.4491	20.8248	-1.5133523	0.00014386	No
Crif1	0.14032	0.057087	-0.083233	0.00976507	No	Akirin2	57.8631	38.3886	-0.591964	57.8641	38.3896	-0.591953	0.00014386	No
Crnde	0.094941	0.033824	-0.061117	2.59E-07	No	Akna	54.7592	1.92419	-4.83078	54.7602	1.92519	-4.830055	0.00014386	No
Crtac1	0.096877	0.023235	-0.073642	4.44E-05	No	Akr1a1	196.285	649.849	1.72716	196.286	649.85	1.72714947	0.00014386	No
Cryba2	0.093752	0.032568	-0.061184	0.00036321	No	Akr1b1	95.6908	68.7445	-0.477137	95.6918	68.7455	-0.47713	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Crygn	0.7685	0.57954	-0.18896	0.00054762	No	Akr1b10	0	1.806	inf	0.001	1.807	10.8193808	0.00014386	No
Crygs	0.77397	0.18118	-0.59279	4.71E-07	No	Akr1c1	0	35.2897	inf	0.001	35.2907	15.1070004	0.00014386	No
Csmd1	0.11474	0.031847	-0.082893	0.00054762	No	Akr1c12	0	3.03583	inf	0.001	3.03683	11.5683504	0.00014386	No
Cspg4	0.28987	0.18869	-0.10118	0.01832913	No	Akr1e2	1.0629	39.0961	5.20096	1.0639	39.0971	5.19962714	0.00014386	No
Ctgf	0.44259	0.12289	-0.3197	3.52E-05	No	Akr7a2	24.3251	256.013	3.3957	24.3261	256.014	3.39564576	0.00014386	No
Ctnna2	0.069559	0.0066964	-0.0628626	3.76E-05	No	Akt2	52.3687	25.8403	-1.01908	52.3697	25.8413	-1.0190537	0.00014386	No
Ctsz	0.016184	0.077499	0.061315	0.00317797	No	Akt3	14.4379	5.06809	-1.51035	14.4389	5.06909	-1.5101622	0.00014386	No
Cuedc1	0.86744	0.68342	-0.18402	7.65E-08	No	Aktip	9.13862	126.657	3.7928	9.13962	126.658	3.79266021	0.00014386	No
Cux2	0.28123	0.10186	-0.17937	0.00026362	No	Alad	6.54114	83.147	3.66805	6.54214	83.148	3.66784702	0.00014386	No
Cx3cl1	0.76059	0.12476	-0.63583	2.16E-09	No	Alas1	8.67809	40.6643	2.22831	8.67909	40.6653	2.22818257	0.00014386	No
Cxcl1	0.4979	0.2178	-0.2801	0.00781609	No	Alcam	0.56621	4.80358	3.0847	0.56721	4.80458	3.08245545	0.00014386	No
Cxcl6	0.090253	0.037508	-0.052745	0.00519776	No	Aldh16a1	13.8242	43.1142	1.64096	13.8252	43.1152	1.64089622	0.00014386	No
Cxcr2	0.059717	0.28612	0.226403	0.00158432	No	Aldh18a1	8.50946	1.62993	-2.38426	8.51046	1.63093	-2.3835423	0.00014386	No
Cybb	0.021625	0.58981	0.568185	4.71E-07	No	Aldh1l1	0	128.873	inf	0.001	128.874	16.9756017	0.00014386	No
Cyp1b1	0.077316	0.015107	-0.062209	0.01289082	No	Aldh5a1	2.57863	13.5831	2.39714	2.57963	13.5841	2.39668293	0.00014386	No
Cyp26a1	0.11862	0.038201	-0.080419	0.0003366	No	Aldh6a1	6.65716	110.498	4.05296	6.65816	110.499	4.05276596	0.00014386	No
Cyp27b1	0.087786	0.020035	-0.067751	0.00023201	No	Aldh7a1	1.08068	151.422	7.13049	1.08168	151.423	7.12916679	0.00014386	No
Cyp2t1	0.24755	0.046815	-0.200735	5.28E-07	No	Aldh9a1	34.8129	113.845	1.70938	34.8139	113.846	1.70934826	0.00014386	No
Cyp4x1	0.09331	0.18825	0.09494	0.02967027	No	Aldob	0.173474	1950.75	13.457	0.174474	1950.751	13.44873	0.00014386	No
Cysrt1	0.2828	0.03254	-0.25026	4.63E-08	No	Alg1	13.6156	7.02822	-0.954029	13.6166	7.02922	-0.95393	0.00014386	No
Cyth2	0.95116	0.42022	-0.53094	1.11E-11	No	Alg10	22.7423	6.44435	-1.81927	22.7433	6.44535	-1.819111	0.00014386	No
Dact2	0.56647	0.14179	-0.42468	5.96E-07	No	Alg12	14.3209	9.61351	-0.574984	14.3219	9.61451	-0.5749377	0.00014386	No
Dagla	0.070781	0.0092282	-0.0615528	1.59E-10	No	Alg14	7.66358	20.1593	1.39536	7.66458	20.1603	1.39523846	0.00014386	No
Dao	0.97379	0.24946	-0.72433	2.16E-09	No	Alg8	7.91589	4.46836	-0.825007	7.91689	4.46936	-0.8248655	0.00014386	No
Dbx1	0.22297	0.057228	-0.165742	0.00021135	No	Alg9	3.62171	11.7187	1.69407	3.62271	11.7197	1.69379441	0.00014386	No
Dcaf12	0.096808	0.028824	-0.067984	3.70E-08	No	Alkbh1	16.5124	7.11052	-1.21552	16.5134	7.11152	-1.2154073	0.00014386	No
Dcc	0.10114	0.037652	-0.063488	0.00040757	No	Alkbh2	10.3682	20.361	0.973641	10.3692	20.362	0.97357468	0.00014386	No
Dcdc2c	0.8226	0.63657	-0.18603	0.00123297	No	Alkbh4	19.0249	4.31827	-2.13936	19.0259	4.31927	-2.1391053	0.00014386	No
Ddx3y	0.40945	0.61138	0.20193	6.76E-06	No	Alkbh7	30.1779	72.1036	1.25658	30.1789	72.1046	1.25655108	0.00014386	No
Degs1	0.051595	0	-0.051595	1.64E-06	No	Alms1	9.02631	3.40792	-1.40524	9.02731	3.40892	-1.4049814	0.00014386	No
Depdc7	0.81665	0.14598	-0.67067	4.71E-07	No	Alox12	0.520985	1.69343	1.70063	0.521985	1.69443	1.69871978	0.00014386	No
Des	0.098359	0.032696	-0.065663	4.51E-09	No	Alpl	0.231218	26.2809	6.82862	0.232218	26.2819	6.82244596	0.00014386	No
Dkk1	0.72619	0.39574	-0.33045	0.00093244	No	Als2	1.19392	3.47507	1.54134	1.19492	3.47607	1.5405431	0.00014386	No
Dlg2	0.42813	0.13876	-0.28937	2.65E-06	No	Amacr	8.10281	72.5277	3.16204	8.10381	72.5287	3.16187974	0.00014386	No
Dlgap2	0.29197	0.077853	-0.214117	2.08E-06	No	Ambp	0.0363927	28.6835	9.62235	0.0373927	28.6845	9.58329901	0.00014386	No
Dlk1	0.12995	0.017494	-0.112456	8.22E-05	No	Amd1	20.2753	58.2146	1.52166	20.2763	58.2156	1.52161139	0.00014386	No
Dlk2	0.18122	0.042094	-0.139126	0.00058998	No	Amdhd2	10.1294	32.3134	1.67359	10.1304	32.3144	1.67348606	0.00014386	No
Dlil3	0.17414	0.059086	-0.115054	9.18E-06	No	Amfr	22.2116	29.8707	0.427418	22.2126	29.8717	0.42740107	0.00014386	No
Dmrt1	0.15601	0.044526	-0.111484	4.25E-08	No	Amica1	11.0177	0.942863	-3.54663	11.0187	0.943863	-3.5452327	0.00014386	No
Dmrt3	0.019055	0.09034	0.071285	0.01206268	No	Amigo1	11.404	4.13493	-1.46361	11.405	4.13593	-1.4633828	0.00014386	No
Dmrta1	0.13707	0.045746	-0.091324	7.15E-06	No	Ammecr1	2.87904	0.776057	-1.89135	2.88004	0.777057	-1.8899965	0.00014386	No
Dnai2	0.71407	0.5714	-0.14267	0.04051274	No	Amotl1	0.274857	2.39821	3.1252	0.275857	2.39921	3.12056695	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Dnajb5	0.48833	0.069919	-0.418411	2.76E-08	No	Ampd3	1.10056	17.2207	3.96784	1.10156	17.2217	3.96660758	0.00014386	No
Dnase2b	0.90415	0.77328	-0.13087	0.00842241	No	Amph	0.0245052	9.0921	8.53538	0.0255052	9.0931	8.47783699	0.00014386	No
Doc2b	0.076702	0.02563	-0.051072	0.00132879	No	Amt	15.5804	52.1657	1.74337	15.5814	52.1667	1.74330431	0.00014386	No
Dok3	0.70743	0.4408	-0.26663	0.00194697	No	Amz2	11.9153	20.0015	0.74729	11.9163	20.0025	0.74724398	0.00014386	No
Dpm1	0.45436	0.25683	-0.19753	1.16E-05	No	Anapc1	5.99638	3.34952	-0.840136	5.99738	3.35052	-0.8399474	0.00014386	No
Dpp6	0.11732	0.046839	-0.070481	0.00087121	No	Anapc10	13.6006	6.37154	-1.09395	13.6016	6.37254	-1.0938359	0.00014386	No
Dpys	0.41379	0.14609	-0.2677	4.76E-05	No	Anapc13	107.523	240.988	1.16432	107.524	240.989	1.16430858	0.00014386	No
Dpysl4	0.084398	0.016083	-0.068315	0.00072449	No	Anapc15	42.2661	72.0785	0.770066	42.2671	72.0795	0.77005387	0.00014386	No
Drc1	0.73291	0.097026	-0.635884	4.54E-12	No	Anapc2	30.3115	42.6228	0.49176	30.3125	42.6238	0.49174638	0.00014386	No
Drd2	0.085491	0.023126	-0.062365	0.00022001	No	Anapc5	68.819	136.527	0.988306	68.82	136.528	0.98829706	0.00014386	No
Drd5	0.93228	0.79802	-0.13426	0.00123297	No	Anapc7	24.4715	11.1116	-1.13903	24.4725	11.1126	-1.1389651	0.00014386	No
Drgx	0.17833	0.038369	-0.139961	5.68E-09	No	Ang	1.97105	4.88915	1.31062	1.97205	4.89015	1.31018259	0.00014386	No
Dsc3	0.5535	0.43709	-0.11641	0.0024744	No	Angel2	23.5236	8.74963	-1.42682	23.5246	8.75063	-1.4267114	0.00014386	No
Dscam1	0.1632	0.043777	-0.119423	0.00065829	No	Ank2	0.674156	6.02069	3.15877	0.675156	6.02169	3.15687565	0.00014386	No
Dspp	0.77636	0.66145	-0.11491	0.01049788	No	Ankfy1	10.4182	15.7509	0.596326	10.4192	15.7519	0.59628135	0.00014386	No
Dynll1	0.2974	0.088658	-0.208742	3.76E-05	No	Ankh	31.0247	2.2644	-3.77622	31.0257	2.2654	-3.775626	0.00014386	No
E2f4	0.33288	0.11604	-0.21684	0.00334552	No	Ankib1	13.8806	4.81722	-1.5268	13.8816	4.81822	-1.5266017	0.00014386	No
Ear11	0.66159	0.3364	-0.32519	0.0024744	No	Ankle1	0.424296	2.87642	2.76113	0.425296	2.87742	2.75823663	0.00014386	No
Ecel1	0.093148	0.036699	-0.056449	0.00691976	No	Ankle2	23.3512	6.66237	-1.80939	23.3522	6.66337	-1.8092346	0.00014386	No
Echdc2	0.28325	0.1217	-0.16155	0.00719792	No	Ankmy2	24.483	36.0798	0.559408	24.484	36.0808	0.55939205	0.00014386	No
Eda	0.084227	0.0087037	-0.0755233	0.00040757	No	Ankrd1	0	5.76176	inf	0.001	5.76276	12.4925442	0.00014386	No
Efhb	0.059962	0.0046584	-0.0553036	1.08E-05	No	Ankrd11	95.6624	18.7859	-2.3483	95.6634	18.7869	-2.34824	0.00014386	No
Efna5	0.40582	0.18172	-0.2241	7.96E-06	No	Ankrd12	14.8026	2.54434	-2.54049	14.8036	2.54534	-2.5400178	0.00014386	No
Efs	0.23305	0.097633	-0.135417	2.63E-05	No	Ankrd13a	165.815	71.5975	-1.21159	165.816	71.5985	-1.211582	0.00014386	No
Egfem1	0.15521	0.050303	-0.104907	3.41E-06	No	Ankrd13c	34.0583	45.0031	0.402017	34.0593	45.0041	0.40200766	0.00014386	No
Egflam	0.19226	0.038387	-0.153873	4.71E-07	No	Ankrd17	19.8757	11.7649	-0.756515	19.8767	11.7659	-0.7564666	0.00014386	No
Egr3	0.37848	0.12938	-0.2491	4.92E-06	No	Ankrd24	0.605874	2.14041	1.8208	0.606874	2.14141	1.81909213	0.00014386	No
Egr4	0.11521	0.033473	-0.081737	0.00040757	No	Ankrd26	4.47729	1.46366	-1.61304	4.47829	1.46466	-1.6123822	0.00014386	No
Ehf	0.70134	0.47366	-0.22768	0.00369602	No	Ankrd29	0.213814	5.00198	4.54807	0.214814	5.00298	4.54162776	0.00014386	No
Eid3	0.90006	0.79081	-0.10925	0.01961146	No	Ankrd32	5.0394	2.72566	-0.886647	5.0404	2.72666	-0.8864034	0.00014386	No
Eif4ebp3	0.88213	0.38635	-0.49578	8.99E-11	No	Ankrd33b	0.283258	6.1136	4.43183	0.284258	6.1146	4.42698527	0.00014386	No
Eif5a2	0.31904	0.17307	-0.14597	0.0247155	No	Ankrd40	16.9291	25.5316	0.592778	16.9301	25.5326	0.59274996	0.00014386	No
Elavl2	0.090401	0.032682	-0.057719	0.0247155	No	Ankrd44	53.4921	4.73152	-3.49895	53.4931	4.73252	-3.4986723	0.00014386	No
Elavl3	0.10967	0.024485	-0.085185	0.00011494	No	Ankrd45	8.39864	2.73933	-1.61633	8.39964	2.74033	-1.6159779	0.00014386	No
Elfn1	0.14871	0.046671	-0.102039	1.16E-05	No	Ankrd46	13.3512	29.5739	1.14736	13.3522	29.5749	1.14729582	0.00014386	No
Elmod1	0.0855	0.024101	-0.061399	0.00014055	No	Ankrd50	3.46885	1.96074	-0.823058	3.46985	1.96174	-0.8227395	0.00014386	No
Elovl6	0.11404	0.05755	-0.05649	0.04412687	No	Ankrd52	9.62003	3.5383	-1.44299	9.62103	3.5393	-1.4427273	0.00014386	No
Emc10	0.44821	0.15622	-0.29199	5.77E-05	No	Ankrd54	12.0152	23.7225	0.9814	12.0162	23.7235	0.98133614	0.00014386	No
Emilin3	0.11081	0.053559	-0.057251	0.01559789	No	Ankrd6	0.827782	2.6688	1.68887	0.828782	2.6698	1.6876671	0.00014386	No
En2	0.075484	0.0071895	-0.0682945	0.00028308	No	Ankrd9	2.05239	9.33743	2.18572	2.05339	9.33843	2.18517236	0.00014386	No
Endou	0.76315	0.5408	-0.22235	0.00229548	No	Anks1a	11.9897	19.6762	0.714656	11.9907	19.6772	0.71460906	0.00014386	No
Eno2	0.7662	0.59234	-0.17386	0.00551211	No	Anks3	17.2644	26.193	0.601376	17.2654	26.194	0.60135263	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Enpep	0.88231	0.12241	-0.7599	4.71E-07	No	Anks4b	0.306127	22.2996	6.18674	0.307127	22.3006	6.18210337	0.00014386	No
Enpp3	0.12259	0.047918	-0.074672	0.00031293	No	Anks6	0.661151	18.1106	4.77571	0.662151	18.1116	4.77360994	0.00014386	No
Epha10	0.10298	0.027673	-0.075307	7.53E-11	No	Ano8	18.1296	32.9306	0.861079	18.1306	32.9316	0.86104594	0.00014386	No
Epha4	0.092651	0.023282	-0.069369	4.02E-08	No	Ano9	4.2185	1.13662	-1.89197	4.2195	1.13762	-1.8910533	0.00014386	No
Ephb1	0.20897	0.06293	-0.14604	0.00012642	No	Anp32a	236.356	115.59	-1.03194	236.357	115.591	-1.0319385	0.00014386	No
Ephb3	0.36211	0.11482	-0.24729	2.80E-05	No	Anp32b	301.278	178.137	-0.758105	301.279	178.138	-0.7581048	0.00014386	No
Epn1	0.84724	0.16269	-0.68455	2.15E-12	No	Anp32e	98.0384	36.1731	-1.43843	98.0394	36.1741	-1.4384045	0.00014386	No
Epo	0.2738	0.0452	-0.2286	8.74E-06	No	Anpep	0.200734	65.4521	8.34901	0.201734	65.4531	8.34186346	0.00014386	No
Erf	0.81931	0.63732	-0.18199	0.00719792	No	Antxr2	27.9196	2.29195	-3.60663	27.9206	2.29295	-3.6060531	0.00014386	No
Erich6	0.42552	0.19802	-0.2275	5.41E-06	No	Anxa1	35.1031	119.873	1.77184	35.1041	119.874	1.77180733	0.00014386	No
Espnl	0.82498	0.33616	-0.48882	7.15E-06	No	Anxa11	89.0051	232.655	1.38623	89.0061	232.656	1.38622227	0.00014386	No
Esrp2	0.14521	0.05714	-0.08807	0.00132879	No	Anxa13	0	0.928517	inf	0.001	0.929517	9.86033744	0.00014386	No
Esrrg	0.7391	0.21048	-0.52862	3.13E-07	No	Anxa4	4.40416	116.211	4.72174	4.40516	116.212	4.72142082	0.00014386	No
Eva1b	0.72551	0.29189	-0.43362	2.15E-12	No	Anxa5	7.65782	523.811	6.09597	7.65882	523.812	6.09578317	0.00014386	No
Evx1	0.26335	0.13035	-0.133	0.01482889	No	Anxa7	26.7563	49.0579	0.874607	26.7573	49.0589	0.87458234	0.00014386	No
Exoc3l4	0.21165	0.083765	-0.127885	0.00058998	No	Anxa8	0	4.96637	inf	0.001	4.96737	12.2782665	0.00014386	No
Exoc8	0.78313	0.12184	-0.66129	4.71E-07	No	Anxa9	0	2.86402	inf	0.001	2.86502	11.4843295	0.00014386	No
F10	0.85723	0.64772	-0.20951	9.44E-05	No	Ap1ar	15.839	11.3875	-0.476036	15.84	11.3885	-0.4759946	0.00014386	No
F2rl3	0.20262	0.37478	0.17216	0.03808344	No	Ap1b1	19.0966	28.6681	0.586132	19.0976	28.6691	0.58610527	0.00014386	No
Fabp3	0.23528	0.064134	-0.171146	0.0024744	No	Ap1g2	43.89	15.2861	-1.52167	43.891	15.2871	-1.5216104	0.00014386	No
Fabp7	0.8567	0.42328	-0.43342	3.41E-06	No	Ap1s1	24.2665	63.0798	1.37821	24.2675	63.0808	1.37817546	0.00014386	No
Fam101a	0.60196	0.14385	-0.45811	3.82E-06	No	Ap1s2	10.5999	3.63534	-1.54389	10.6009	3.63634	-1.5436277	0.00014386	No
Fam129c	0.23862	0.059586	-0.179034	0.0007877	No	Ap2a1	20.9256	14.1398	-0.565506	20.9266	14.1408	-0.5654742	0.00014386	No
Fam132a	0.84499	0.21842	-0.62657	1.06E-11	No	Ap2a2	19.1492	46.3611	1.27563	19.1502	46.3621	1.27558646	0.00014386	No
Fam150a	0.14297	0.029358	-0.113612	2.49E-07	No	Ap2m1	194.325	254.814	0.390972	194.326	254.815	0.39097127	0.00014386	No
Fam150b	0.096426	0.034463	-0.061963	0.00103522	No	Ap2s1	104.066	145.456	0.483089	104.067	145.457	0.48308007	0.00014386	No
Fam163b	0.13292	0.024543	-0.108377	9.44E-05	No	Ap3b1	15.9185	11.8507	-0.425734	15.9195	11.8517	-0.425701	0.00014386	No
FAM187A	0.84778	0.74294	-0.10484	0.00122444	No	Ap3m1	18.9745	12.3936	-0.614465	18.9755	12.3946	-0.6144262	0.00014386	No
Fam193b	0.42879	0.13592	-0.29287	3.48E-05	No	Ap3m2	10.6391	6.11819	-0.798195	10.6401	6.11919	-0.7980991	0.00014386	No
Fam196a	0.12329	0.048261	-0.075029	0.00058998	No	Ap3s2	10.7694	53.3455	2.30842	10.7704	53.3465	2.30832179	0.00014386	No
Fam217a	0.2666	0.081864	-0.184736	2.15E-12	No	Ap4b1	38.7445	11.2551	-1.78341	38.7455	11.2561	-1.7833217	0.00014386	No
Fam221b	0.22541	0.064264	-0.161146	0.00011494	No	Ap4e1	5.52724	2.36465	-1.22493	5.52824	2.36565	-1.2245836	0.00014386	No
Fam55b	0.94952	0.26672	-0.6828	4.71E-07	No	Ap4m1	14.1297	4.91812	-1.52255	14.1307	4.91912	-1.5223608	0.00014386	No
Fam71e2	0.86781	0.62114	-0.24667	0.00038568	No	Ap5m1	9.32207	4.42916	-1.07362	9.32307	4.43016	-1.0734463	0.00014386	No
Fam83f	0.38783	0.03838	-0.34945	2.16E-09	No	Apaf1	19.2727	2.29096	-3.07254	19.2737	2.29196	-3.0719798	0.00014386	No
Fance	0.3363	0.26074	-0.07556	0.03461603	No	Apba3	11.5721	27.3077	1.23866	11.5731	27.3087	1.23858528	0.00014386	No
Fat1	0.13554	0.011735	-0.123805	3.52E-05	No	Apbb1	4.28375	11.9642	1.48178	4.28475	11.9652	1.48156158	0.00014386	No
Fat3	0.14289	0.025648	-0.117242	1.12E-06	No	Apbb1ip	80.7232	3.54479	-4.50921	80.7242	3.54579	-4.5088222	0.00014386	No
Faxc	0.16491	0.068008	-0.096902	0.00058998	No	Apbb2	9.2789	12.6262	0.444398	9.2799	12.6272	0.4443536	0.00014386	No
Fbxo24	0.83325	0.69162	-0.14163	7.60E-06	No	Apccd1l	0.308666	9.87464	4.99961	0.309666	9.87564	4.99508935	0.00014386	No
Fbxw17	0.28623	0.04114	-0.24509	1.49E-06	No	Apex1	60.0765	36.8053	-0.706887	60.0775	36.8063	-0.7068721	0.00014386	No
Fdps	0.10247	0.013126	-0.089344	0.00229548	No	Apex2	9.73463	4.08106	-1.25418	9.73563	4.08206	-1.253977	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Fev	0.069629	0.010728	-0.058901	0.00675344	No	Aph1a	36.1522	52.862	0.548147	36.1532	52.863	0.54813495	0.00014386	No
Fezf1	0.073291	0.014634	-0.058657	0.00209233	No	Aph1b	31.2423	13.3333	-1.22846	31.2433	13.3343	-1.2284048	0.00014386	No
Fezf2	0.14475	0.025363	-0.119387	0.00010321	No	Api5	35.1386	25.0995	-0.4854	35.1396	25.1005	-0.4853817	0.00014386	No
Ffar1	0.82731	0.71421	-0.1131	0.00418734	No	Apitd1	52.0145	87.9329	0.757491	52.0155	87.9339	0.75747786	0.00014386	No
Ffar2	0.87711	0.79865	-0.07846	0.00533667	No	APLP1	0.298257	9.36597	4.9728	0.299257	9.36697	4.96812555	0.00014386	No
Ffar3	0.80601	0.67075	-0.13526	0.01237082	No	Aplp2	23.5371	95.0743	2.01412	23.5381	95.0753	2.01407272	0.00014386	No
Fgf11	0.07743	0.024674	-0.052756	0.00040757	No	Apmap	7.96244	33.4835	2.07217	7.96344	33.4845	2.07202975	0.00014386	No
Fgf16	0.093074	0.016414	-0.07666	0.00501738	No	APOA1BP	22.3791	53.6678	1.26191	22.3801	53.6688	1.26186715	0.00014386	No
Fgf19	0.10994	0.039725	-0.070215	0.04859041	No	Apobec3b	17.0713	1.7447	-3.29053	17.0723	1.7457	-3.2897799	0.00014386	No
Fgf20	0.098513	0.030322	-0.068191	0.00028308	No	Apobr	6.34646	1.24657	-2.34799	6.34746	1.24757	-2.3470586	0.00014386	No
Fgf21	0.90058	0.69911	-0.20147	0.0003366	No	Apoc2	0	5.45746	inf	0.001	5.45846	12.4142783	0.00014386	No
Fgf3	0.12796	0.028059	-0.099901	0.0058184	No	Apoc3	0	6.58617	inf	0.001	6.58717	12.6854431	0.00014386	No
Fgf4	0.10379	0.01452	-0.08927	1.37E-07	No	Apoe	11.955	190.892	3.99708	11.956	190.893	3.99695749	0.00014386	No
Fgf6	0.72107	0.11453	-0.60654	2.15E-12	No	Apold1	0.422884	4.10628	3.2795	0.423884	4.10728	3.27644189	0.00014386	No
Fgf8	0.034801	0.11412	0.079319	0.00265064	No	Apoo	8.93345	63.869	2.83783	8.93445	63.87	2.83768762	0.00014386	No
Fgr	0.30768	0.056149	-0.251531	9.46E-08	No	Apool	7.20759	19.8672	1.4628	7.20859	19.8682	1.46267217	0.00014386	No
Fhdcd1	0.1437	0.04032	-0.10338	1.18E-07	No	Apopt1	70.031	112.127	0.679071	70.032	112.128	0.67906039	0.00014386	No
Fibcd1	0.011657	0.075482	0.063825	1.73E-05	No	App	56.7677	570.19	3.3283	56.7687	570.191	3.32827766	0.00014386	No
Fkbp9	0.072801	0.011028	-0.061773	2.86E-07	No	Appbp2	15.6846	9.42224	-0.735208	15.6856	9.42324	-0.7351456	0.00014386	No
Fkbpl	0.69988	0.10701	-0.59287	0.0003366	No	Appl2	0.688364	13.8846	4.33417	0.689364	13.8856	4.33217975	0.00014386	No
Fli1	0.083198	0.021471	-0.061727	0.0058184	No	Aprt	289.216	150.108	-0.946145	289.217	150.109	-0.9461419	0.00014386	No
Flnc	0.10589	0.032498	-0.073392	0.00317797	No	Aptx	14.8556	5.89852	-1.33259	14.8566	5.89952	-1.3324345	0.00014386	No
Flrt3	0.1042	0.036248	-0.067952	0.01335255	No	Aqp4	0	5.8675	inf	0.001	5.8685	12.5187761	0.00014386	No
Fn3k	0.96866	0.25633	-0.71233	4.71E-07	No	Aqr	22.9546	10.182	-1.17276	22.9556	10.183	-1.1726835	0.00014386	No
Foxa3	0.13987	0.038344	-0.101526	0.00031293	No	Arap1	44.0556	19.843	-1.15069	44.0566	19.844	-1.1506553	0.00014386	No
Foxc2	0.094689	0.19351	0.098821	0.02346238	No	Arap2	8.43323	3.04055	-1.47175	8.43423	3.04155	-1.4714496	0.00014386	No
Foxe1	0.14097	0.063999	-0.076971	0.00025822	No	Arap3	4.67852	7.8341	0.743715	4.67952	7.8351	0.74359113	0.00014386	No
Foxe3	0.15294	0.033091	-0.119849	1.64E-06	No	Are1	22.2312	11.3911	-0.964681	22.2322	11.3921	-0.964617	0.00014386	No
Foxg1	0.41968	0.13443	-0.28525	1.06E-11	No	Arf1	179.923	259.863	0.530367	179.924	259.864	0.53036915	0.00014386	No
Foxj1	0.77947	0.26409	-0.51538	1.46E-08	No	Arf2	4.43661	9.52533	1.10231	4.43761	9.52633	1.10213764	0.00014386	No
Foxn4	0.13154	0.032996	-0.098544	0.00675344	No	Arf4	69.4549	110.811	0.673956	69.4559	110.812	0.67394497	0.00014386	No
Foxred2	0.48806	0.089193	-0.398867	2.15E-12	No	Arf6	197.464	76.5563	-1.367	197.465	76.5573	-1.3669851	0.00014386	No
Foxs1	0.71605	0.57536	-0.14069	0.00469886	No	Arfgap2	35.8591	51.0411	0.509322	35.8601	51.0421	0.50930818	0.00014386	No
Frmrd3	0.1202	0.023903	-0.096297	2.15E-12	No	Arfgef1	32.5546	18.8579	-0.787695	32.5556	18.8589	-0.7876602	0.00014386	No
Fsip1	0.12306	0.055984	-0.067076	0.01289082	No	Arglu1	168.302	61.4367	-1.45388	168.303	61.4377	-1.4538648	0.00014386	No
Fut1	0.98381	0.87212	-0.11169	0.0003366	No	Arhgap1	51.1137	20.2204	-1.3379	51.1147	20.2214	-1.3378554	0.00014386	No
Fut2	0.81962	0.69249	-0.12713	0.00501738	No	Arhgap10	2.86497	14.745	2.36363	2.86597	14.746	2.36322825	0.00014386	No
Fut9	0.077541	0.019756	-0.057785	2.16E-09	No	Arhgap11a	0.690948	1.93748	1.48753	0.691948	1.93848	1.48619032	0.00014386	No
Fzd10	0.063835	0.2769	0.213065	5.41E-06	No	Arhgap12	13.5128	8.74268	-0.628179	13.5138	8.74368	-0.6281209	0.00014386	No
Fzd2	0.12714	0.056734	-0.070406	0.01559789	No	Arhgap15	115.872	3.55647	-5.02594	115.873	3.55747	-5.025549	0.00014386	No
Fzd5	0.90495	0.37023	-0.53472	2.15E-12	No	Arhgap17	65.7022	27.3133	-1.26634	65.7032	27.3143	-1.2663072	0.00014386	No
G4	0.12553	0.022697	-0.102833	0.04051274	No	Arhgap18	3.54292	20.3199	2.51988	3.54392	20.3209	2.51954636	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gabbr2	0.15775	0.048634	-0.109116	0.0024744	No	Arhgap21	0.397216	5.63893	3.82743	0.398216	5.63993	3.82405416	0.00014386	No
Gabra1	0.13303	0.02227	-0.11076	0.0003366	No	Arhgap22	0.0478494	17.6821	8.52957	0.0488494	17.6831	8.49981466	0.00014386	No
Gabra5	0.14126	0.014068	-0.127192	7.62E-05	No	Arhgap23	0.192427	1.00516	2.38504	0.193427	1.00616	2.37899865	0.00014386	No
Gabrb3	0.10304	0.028391	-0.074649	1.42E-05	No	Arhgap24	0.259748	177.074	9.41303	0.260748	177.075	9.40748864	0.00014386	No
Gabrg3	0.094031	0.025559	-0.068472	0.03700939	No	Arhgap29	0.0109347	38.5509	11.7836	0.0119347	38.5519	11.6574239	0.00014386	No
Gabbr1	0.79469	0.69539	-0.0993	0.00719792	No	Arhgap32	0	5.73256	inf	0.001	5.73356	12.4852155	0.00014386	No
Gad1	0.17613	0.041047	-0.135083	4.44E-05	No	Arhgap35	1.98388	10.4566	2.39802	1.98488	10.4576	2.3974281	0.00014386	No
Gal3st1	0.50166	0.1351	-0.36656	2.08E-06	No	Arhgap39	1.30582	2.90348	1.15283	1.30682	2.90448	1.15221946	0.00014386	No
Gal3st3	0.067422	0.1619	0.094478	0.00317797	No	Arhgap4	132.645	60.4307	-1.13421	132.646	60.4317	-1.1342037	0.00014386	No
Galnt16	0.2165	0.042232	-0.174268	2.08E-06	No	Arhgap44	0.123767	2.94815	4.57411	0.124767	2.94915	4.5629909	0.00014386	No
Galnt2	0.85592	0.37296	-0.48296	1.57E-05	No	Arhgap5	0.193509	7.18078	5.21367	0.194509	7.18178	5.20643264	0.00014386	No
Galnt9	0.15318	0.036419	-0.116761	0.00087121	No	Arhgap6	0.781318	4.80671	2.62107	0.782318	4.80771	2.61952281	0.00014386	No
Galr1	0.12153	0.047161	-0.074369	1.28E-08	No	Arhgap9	207.009	52.0212	-1.99253	207.01	52.0222	-1.9925011	0.00014386	No
Galr2	0.15981	0.042721	-0.117089	2.98E-08	No	Arhgdia	277.384	204.199	-0.441908	277.385	204.2	-0.4419069	0.00014386	No
Garem2	0.23134	0.062513	-0.168827	2.23E-05	No	Arhg dib	2195.22	137.725	-3.99451	2195.221	137.726	-3.9944933	0.00014386	No
Gas2l2	0.71564	0.40994	-0.3057	0.00023201	No	Arhgef1	533.778	43.2691	-3.62483	533.779	43.2701	-3.6248002	0.00014386	No
Gas6	0.046869	0.21389	0.167021	9.98E-06	No	Arhgef10l	0.121602	35.3955	8.18526	0.122602	35.3965	8.17348039	0.00014386	No
Gata2	0.56804	0.14719	-0.42085	5.96E-07	No	Arhgef11	2.84601	15.217	2.41867	2.84701	15.218	2.4182593	0.00014386	No
Gata6	0.13091	0.077466	-0.053444	0.00418734	No	Arhgef12	0.959921	9.38206	3.28892	0.960921	9.38306	3.28756876	0.00014386	No
Gbx2	0.30507	0.089359	-0.215711	0.00040757	No	Arhgef18	54.2412	11.7929	-2.20147	54.2422	11.7939	-2.2013748	0.00014386	No
Gck	0.93809	0.79355	-0.14454	9.44E-05	No	Arhgef19	0	4.29204	inf	0.001	4.29304	12.0677839	0.00014386	No
Gdap1	0.094738	0.033375	-0.061363	0.00188523	No	Arhgef5	0	9.06688	inf	0.001	9.06788	13.1465496	0.00014386	No
Gdap1l1	0.12684	0.045618	-0.081222	0.01699421	No	Arhgef6	56.1221	4.51226	-3.63665	56.1231	4.51326	-3.6363529	0.00014386	No
Gdf10	0.19974	0.10354	-0.0962	0.00050175	No	Arhgef9	1.17002	5.38765	2.20312	1.17102	5.38865	2.20215817	0.00014386	No
Gdf15	0.46823	0.12836	-0.33987	6.45E-12	No	Arid1a	59.3633	11.0052	-2.43138	59.3643	11.0062	-2.4312791	0.00014386	No
Gdf7	0.11004	0.05093	-0.05911	0.01049788	No	Arid3b	11.1431	1.56865	-2.82856	11.1441	1.56965	-2.8277653	0.00014386	No
Gfod1	0.45688	0.15607	-0.30081	0.00451501	No	Arid4a	28.1202	6.31569	-2.15459	28.1212	6.31669	-2.1544175	0.00014386	No
Gfpt2	0.60915	0.13328	-0.47587	2.80E-05	No	Arid4b	11.43	2.30052	-2.3128	11.431	2.30152	-2.3122927	0.00014386	No
Ggn	0.7853	0.64286	-0.14244	0.02850905	No	Arid5a	16.9568	3.18497	-2.41251	16.9578	3.18597	-2.4121444	0.00014386	No
Ghsr	0.34081	0.18244	-0.15837	0.00281863	No	Arid5b	15.1534	3.5171	-2.10718	15.1544	3.5181	-2.1068683	0.00014386	No
Gipc3	0.80284	0.36099	-0.44185	3.81E-08	No	Arih1	21.7395	12.4702	-0.801833	21.7405	12.4712	-0.8017848	0.00014386	No
Gja8	0.14741	0.58243	0.43502	1.12E-05	No	Arih2	28.1066	14.3261	-0.972263	28.1076	14.3271	-0.9722137	0.00014386	No
Gjc1	0.085032	0.033324	-0.051708	0.00675344	No	Arl1	23.6508	119.581	2.33802	23.6518	119.582	2.33797836	0.00014386	No
Gjd2	0.073335	0.016615	-0.05672	3.76E-05	No	Arl11	0.254005	1.39942	2.4619	0.255005	1.40042	2.45726213	0.00014386	No
Gldn	0.10766	0.032944	-0.074716	0.00158432	No	Arl15	5.82977	19.5898	1.74859	5.83077	19.5908	1.74841799	0.00014386	No
Glra1	0.10499	0.029175	-0.075815	0.00265064	No	Arl2	32.8919	87.7539	1.41573	32.8929	87.7549	1.41570348	0.00014386	No
Gna15	0.11717	0.37809	0.26092	3.70E-08	No	Arl2bp	34.7857	55.2843	0.668375	34.7867	55.2853	0.6683601	0.00014386	No
Gnal	0.11404	0.038958	-0.075082	0.00111391	No	Arl3	62.096	136.059	1.13167	62.097	136.06	1.13164752	0.00014386	No
Gnas	0.075062	0.2596	0.184538	3.82E-06	No	Arl4a	18.1016	8.61175	-1.07174	18.1026	8.61275	-1.0716511	0.00014386	No
Gnaz	0.82034	0.26732	-0.55302	2.27E-12	No	Arl5c	94.5744	2.77587	-5.09044	94.5754	2.77687	-5.0899334	0.00014386	No
Gng11	0.015309	0.080586	0.065277	1.39E-06	No	ARL6	1.76994	20.1433	3.50853	1.77094	20.1443	3.50778443	0.00014386	No
Gng7	0.58798	0.070356	-0.517624	9.57E-07	No	Arl6ip1	32.2625	42.0367	0.38179	32.2635	42.0377	0.38178078	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Gnrhr	0.77433	0.62848	-0.14585	0.03808344	No	Arl6ip4	46.1563	63.9719	0.47091	46.1573	63.9729	0.47090205	0.00014386	No
Gp1bb	0.050868	0.12027	0.069402	0.00111391	No	Arl6ip5	163.751	44.7211	-1.87248	163.752	44.7221	-1.8724527	0.00014386	No
Gpaa1	0.92033	0.79586	-0.12447	0.01559789	No	Armc9	5.77412	15.1561	1.39222	5.77512	15.1571	1.39207092	0.00014386	No
Gpc4	0.066239	0.012787	-0.053452	0.00057292	No	Armcx1	0	2.18726	inf	0.001	2.18826	11.0955684	0.00014386	No
Gpr139	0.11804	0.02206	-0.09598	3.52E-05	No	Armcx3	2.1278	10.9613	2.36499	2.1288	10.9623	2.3644382	0.00014386	No
Gpr150	0.20539	0.078082	-0.127308	0.0007877	No	Arnt2	0.0118578	15.3795	10.341	0.0128578	15.3805	10.2242429	0.00014386	No
Gpr158	0.55483	0.3651	-0.18973	0.00451501	No	Arpc1a	81.2336	128.627	0.663041	81.2346	128.628	0.66303848	0.00014386	No
Gpr17	0.72023	0.85135	0.13112	0.0048809	No	Arpc1b	853.906	133.983	-2.67202	853.907	133.984	-2.6720182	0.00014386	No
Gpr26	0.23505	0.069044	-0.166006	2.15E-12	No	Arpc2	924.245	354.679	-1.38176	924.246	354.68	-1.3817589	0.00014386	No
Gpr50	0.17988	0.062427	-0.117453	1.42E-05	No	Arpc3	397.705	149.876	-1.40793	397.706	149.877	-1.4079233	0.00014386	No
Gpr6	0.16224	0.055933	-0.106307	0.0003366	No	Arpc4	204.687	102.806	-0.993493	204.688	102.807	-0.993488	0.00014386	No
Gpr81	0.83575	0.16757	-0.66818	1.06E-11	No	Arpc5	266.84	76.2402	-1.80735	266.841	76.2412	-1.8073376	0.00014386	No
Gpr83	0.32387	0.10929	-0.21458	0.0038486	No	Arpp21	109.808	7.58264	-3.85613	109.809	7.58364	-3.855962	0.00014386	No
Gprc5a	0.35866	0.13633	-0.22233	3.76E-05	No	Arrib2	174.878	15.0932	-3.53438	174.879	15.0942	-3.5342909	0.00014386	No
Gpsm3	0.014991	0.20322	0.188229	0.00025822	No	Arrdc1	38.0389	50.6645	0.413501	38.0399	50.6655	0.41349024	0.00014386	No
Gpx2	0.56497	0.19978	-0.36519	2.46E-09	No	Arrdc2	35.1074	7.70959	-2.18705	35.1084	7.71059	-2.1869031	0.00014386	No
Gpx7	0.36859	0.2222	-0.14639	0.02967027	No	Arrdc3	18.5416	98.9607	2.41609	18.5426	98.9617	2.41602673	0.00014386	No
Grasp	0.016177	0.30504	0.288863	1.66E-07	No	Arrdc4	0.352331	3.34804	3.24832	0.353331	3.34904	3.24465537	0.00014386	No
Grb10	0.5997	0.37661	-0.22309	9.20E-09	No	Arsa	3.13226	27.1611	3.11626	3.13326	27.1621	3.11585863	0.00014386	No
Gria4	0.090927	0.020993	-0.069934	0.00132879	No	Arsb	4.98972	35.8137	2.84348	4.99072	35.8147	2.84323199	0.00014386	No
Grid1	0.091515	0.011863	-0.079652	6.06E-05	No	Arse	7.32379	17.9333	1.29198	7.32479	17.9343	1.29186213	0.00014386	No
Grid2	0.084567	0.013261	-0.071306	4.82E-11	No	Arsk	7.22638	3.56001	-1.02139	7.22738	3.56101	-1.0211863	0.00014386	No
Grik1	0.18794	0.038543	-0.149397	0.00017371	No	Art2b	228.656	1.4792	-7.27222	228.657	1.4802	-7.2712492	0.00014386	No
Grik3	0.093801	0.019727	-0.074074	0.02733646	No	As3mt	10.2945	39.8187	1.95157	10.2955	39.8197	1.95146846	0.00014386	No
Grin2a	0.11229	0.037724	-0.074566	0.00533667	No	Asah1	5.30981	36.345	2.77502	5.31081	36.346	2.77479278	0.00014386	No
Grin2d	0.4214	0.26565	-0.15575	0.00085839	No	Asap1	26.7476	3.1721	-3.0759	26.7486	3.1731	-3.0754985	0.00014386	No
Grin3b	0.98592	0.91515	-0.07077	0.02094681	No	Asap2	0.0517145	8.20952	7.31058	0.0527145	8.21052	7.28312993	0.00014386	No
Grip2	0.17062	0.054548	-0.116072	0.00842241	No	Asap3	0.370394	4.03235	3.44449	0.371394	4.03335	3.44095619	0.00014386	No
Grm1	0.18108	0.052778	-0.128302	6.93E-08	No	Asb1	2.83093	1.25492	-1.17368	2.83193	1.25592	-1.173041	0.00014386	No
Grm7	0.15669	0.038834	-0.117856	7.31E-07	No	Asb3	10.0595	6.5614	-0.616489	10.0605	6.5624	-0.6164066	0.00014386	No
Grwd1	0.18956	0.060907	-0.128653	0.0007877	No	Ascc3	19.7138	9.37491	-1.07233	19.7148	9.37591	-1.0722484	0.00014386	No
Gsc	0.11097	0.021715	-0.089255	0.00036321	No	Ascl4	1.18471	0	inf	1.18571	0.001	-10.211535	0.00014386	No
Gsc2	0.10131	0.044688	-0.056622	0.01320709	No	Asf1b	2.04238	0.337247	-2.59837	2.04338	0.338247	-2.5948085	0.00014386	No
Gstt3	0.2497	0.04789	-0.20181	8.74E-06	No	Asgr1	0	2.71843	inf	0.001	2.71943	11.4090886	0.00014386	No
Gsx1	0.15588	0.053641	-0.102239	0.00028819	No	Ash1l	8.0426	2.83336	-1.50515	8.0436	2.83436	-1.5048183	0.00014386	No
Guca1a	0.013095	0.30336	0.290265	4.71E-07	No	Ash2l	28.3331	17.9781	-0.656251	28.3341	17.9791	-0.6562186	0.00014386	No
Gucy2e	0.24331	0.33476	0.09145	0.00015279	No	Asl	8.5402	98.4261	3.5267	8.5412	98.4271	3.52654491	0.00014386	No
H2afb3	0.85094	0.76193	-0.08901	0.02094681	No	Asmtl	34.5738	91.1501	1.39857	34.5748	91.1511	1.39853916	0.00014386	No
H2afy2	0.15696	0.05911	-0.09785	0.00317797	No	Aspa	0.266907	64.5874	7.91877	0.267907	64.5884	7.91339899	0.00014386	No
Hao	0.92814	0.35121	-0.57693	2.15E-12	No	Aspdh	16.9848	82.8343	2.28599	16.9858	82.8353	2.28591653	0.00014386	No
Hamp	0.7583	0.38667	-0.37163	7.96E-06	No	Aspg	0.0463031	40.0555	9.75668	0.0473031	40.0565	9.72588592	0.00014386	No
Hand1	0.31591	0.12992	-0.18599	0.00173557	No	ASPH	0.670445	6.78087	3.33828	0.671445	6.78187	3.336342	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hand2	0.16953	0.085996	-0.083534	0.01512325	No	Aspscr1	34.9564	88.2972	1.33681	34.9574	88.2982	1.33678614	0.00014386	No
Hapln4	0.095407	0.042886	-0.052521	0.00065829	No	Asun	27.4061	14.5809	-0.910418	27.4071	14.5819	-0.910371	0.00014386	No
Has3	0.31284	0.13431	-0.17853	1.60E-06	No	Asxl1	32.4332	9.17957	-1.82097	32.4342	9.18057	-1.8208602	0.00014386	No
Hcn4	0.13128	0.29038	0.1591	0.00628692	No	Asxl2	10.1013	2.94414	-1.77862	10.1023	2.94514	-1.7782757	0.00014386	No
Hdac5	0.72116	0.46434	-0.25682	0.00093244	No	Atad2	10.0998	0.998678	-3.33816	10.1008	0.999678	-3.3368623	0.00014386	No
Hecw1	0.071721	0.0043478	-0.0673732	0.00369602	No	Atad2b	9.42397	3.68274	-1.35555	9.42497	3.68374	-1.3553168	0.00014386	No
Hes7	0.70937	0.40757	-0.3018	3.76E-05	No	Ate1	10.5895	5.27267	-1.00603	10.5905	5.27367	-1.0058915	0.00014386	No
Hfe2	0.059772	0.12711	0.067338	0.01558694	No	Atf1	56.3386	21.4944	-1.39016	56.3396	21.4954	-1.3901214	0.00014386	No
Hhatl	0.7729	0.19788	-0.57502	7.31E-07	No	Atf2	24.0277	11.6454	-1.04494	24.0287	11.6464	-1.0448745	0.00014386	No
Hhex	0.027034	0.2573	0.230266	8.74E-08	No	Atf3	0.138972	75.6321	9.08807	0.139972	75.6331	9.07773568	0.00014386	No
Hic1	0.45034	0.15698	-0.29336	2.15E-12	No	Atf5	3.79306	19.4279	2.3567	3.79406	19.4289	2.35638982	0.00014386	No
Hint1	0.37377	0.18295	-0.19082	0.00085839	No	Atf6	6.67432	4.8426	-0.46284	6.67532	4.8436	-0.4627573	0.00014386	No
Hist1h1b	0.018805	0.17028	0.151475	1.12E-06	No	Atf7ip	49.0722	12.1826	-2.01008	49.0732	12.1836	-2.0099949	0.00014386	No
Hist1h2bo	0.011196	0.087449	0.076253	6.67E-05	No	Atg12	39.1089	15.9591	-1.29312	39.1099	15.9601	-1.2930642	0.00014386	No
Hlx	0.17158	0.067907	-0.103673	5.41E-06	No	Atg13	23.2179	15.8419	-0.551493	23.2189	15.8429	-0.5514632	0.00014386	No
Hmces	0.7546	0.61274	-0.14186	0.03808344	No	Atg14	6.70292	3.64653	-0.878266	6.70392	3.64753	-0.8780851	0.00014386	No
Hmx1	0.17884	0.05091	-0.12793	0.02094681	No	Atg16l1	44.6299	20.2403	-1.14078	44.6309	20.2413	-1.1407409	0.00014386	No
Hnf4a	0.76341	0.34213	-0.42128	1.43E-06	No	Atg2b	11.2809	4.24857	-1.40883	11.2819	4.24957	-1.4086213	0.00014386	No
Hoxa11	0.13106	0.20731	0.07625	0.0007072	No	Atg4c	5.96339	9.37528	0.652729	5.96439	9.37628	0.65264106	0.00014386	No
Hoxb13	0.095705	0.0231	-0.072605	0.00229548	No	Atg9a	34.0527	15.6294	-1.1235	34.0537	15.6304	-1.1234569	0.00014386	No
Hoxb4	0.18547	0.023109	-0.162361	2.15E-12	No	Atic	55.5874	31.1073	-0.837503	55.5884	31.1083	-0.8374843	0.00014386	No
Hoxb5	0.72447	0.27492	-0.44955	2.15E-12	No	Atl2	28.1914	11.6624	-1.2734	28.1924	11.6634	-1.2733179	0.00014386	No
Hoxb7	0.11944	0.031988	-0.087452	0.00045631	No	ATL3	11.4462	7.98372	-0.519739	11.4472	7.98472	-0.519681	0.00014386	No
Hoxc11	0.13329	0.041408	-0.091882	1.80E-05	No	Atm	25.2702	2.49999	-3.33744	25.2712	2.50099	-3.336923	0.00014386	No
Hoxc12	0.14477	0.062411	-0.082359	0.00025822	No	Atoh8	0	1.53626	inf	0.001	1.53726	10.5861455	0.00014386	No
Hoxc4	0.045233	0.16308	0.117847	2.15E-12	No	Atox1	73.0222	187.988	1.36423	73.0232	187.989	1.36422145	0.00014386	No
Hoxc9	0.056305	0.0033784	-0.0529266	6.06E-05	No	Atp10a	2.47086	1.54413	-0.678218	2.47186	1.54513	-0.6778688	0.00014386	No
Hoxd1	0.20163	0.067715	-0.133915	1.42E-05	No	Atp11a	10.4443	74.6553	2.83753	10.4453	74.6563	2.83741008	0.00014386	No
Hoxd12	0.16454	0.68374	0.5192	5.28E-07	No	ATP11B	37.0512	8.06497	-2.19978	37.0522	8.06597	-2.1996393	0.00014386	No
Hoxd3	0.116	0.47304	0.35704	9.44E-05	No	Atp11c	2.48534	1.51868	-0.710625	2.48634	1.51968	-0.710256	0.00014386	No
Hoxd9	0.25447	0.50353	0.24906	3.82E-06	No	Atp13a1	77.5508	28.0556	-1.46686	77.5518	28.0566	-1.4668201	0.00014386	No
Hpd1	0.78698	0.58159	-0.20539	0.01206268	No	Atp13a3	14.1245	6.58744	-1.10041	14.1255	6.58844	-1.1002931	0.00014386	No
Hpgd	0.080774	0.015819	-0.064955	0.00038568	No	Atp1a1	88.6263	710.367	3.00276	88.6273	710.368	3.00274353	0.00014386	No
Hpn	0.71627	0.17175	-0.54452	8.74E-06	No	Atp1b1	3.49538	1023.93	8.19445	3.49638	1023.931	8.19404079	0.00014386	No
Hr	0.30418	0.15887	-0.14531	0.04859041	No	Atp1b2	0.106161	9.33156	6.45779	0.107161	9.33256	6.44442102	0.00014386	No
Hras	0.77692	0.65467	-0.12225	0.00976507	No	Atp2b1	13.3617	4.62082	-1.53188	13.3627	4.62182	-1.5316786	0.00014386	No
Hrasls	0.14838	0.021204	-0.127176	1.98E-05	No	Atp2b4	9.6107	2.66365	-1.85124	9.6117	2.66465	-1.8508456	0.00014386	No
Hrk	0.098047	0.031923	-0.066124	0.01832913	No	Atp2c1	8.18768	28.0069	1.77425	8.18868	28.0079	1.774131	0.00014386	No
Hs3st2	0.1718	0.017663	-0.154137	9.44E-05	No	Atp5a1	288.398	1018.92	1.82091	288.399	1018.921	1.82090413	0.00014386	No
Hs6st2	0.21499	0.019885	-0.195105	0.00010321	No	Atp5b	395.885	2281.26	2.52668	395.886	2281.261	2.52667456	0.00014386	No
Hsbp11	0.099885	0.021959	-0.077926	1.61E-05	No	Atp5c1	159.579	575.973	1.85173	159.58	575.974	1.85172384	0.00014386	No
Hsd17b14	0.74435	0.21654	-0.52781	0.00011494	No	Atp5d	152.681	627.968	2.04017	152.682	627.969	2.04016335	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Hsf4	0.63531	0.22093	-0.41438	2.20E-12	No	Atp5e	901.794	2097.6	1.21787	901.795	2097.601	1.21786886	0.00014386	No
Hspa12a	0.30085	0.084173	-0.216677	2.65E-06	No	ATP5F1	66.8552	179.513	1.42498	66.8562	179.514	1.4249631	0.00014386	No
Hspa2	0.029066	0.13991	0.110844	0.00111391	No	ATP5G3	245.377	1721.71	2.81077	245.378	1721.711	2.81076519	0.00014386	No
Hspb7	0.74363	0.56529	-0.17834	0.02850905	No	Atp5i	479.93	2810.42	2.54989	479.931	2810.421	2.54988735	0.00014386	No
Htr1a	0.084342	0.023097	-0.061245	8.46E-07	No	Atp5j	314.498	1291.25	2.03765	314.499	1291.251	2.03764213	0.00014386	No
Htr6	0.089759	0.023021	-0.066738	0.00021135	No	Atp5j2	624.76	1783.64	1.51345	624.761	1783.641	1.51344897	0.00014386	No
Htra3	0.1233	0.015486	-0.107814	0.00050175	No	Atp5l	365.376	1320.54	1.85368	365.377	1320.541	1.85367137	0.00014386	No
lbsp	0.71207	0.20124	-0.51083	0.00040757	No	Atp5o	159.503	909.2	2.51101	159.504	909.201	2.51100667	0.00014386	No
lcam4	0.38062	0.083298	-0.297322	2.65E-06	No	Atp5s	0.562918	20.1876	5.1644	0.563918	20.1886	5.16191166	0.00014386	No
ld4	0.06888	0.015941	-0.052939	0.0058184	No	Atp6ap2	18.9594	103.736	2.45193	18.9604	103.737	2.45186925	0.00014386	No
ldo1	0.69404	0.42341	-0.27063	0.00031293	No	Atp6v0a1	2.47934	19.248	2.95668	2.48034	19.249	2.9561737	0.00014386	No
lfitm3	0.28613	0.14772	-0.13841	0.02733646	No	Atp6v0a2	20.2881	11.3979	-0.831875	20.2891	11.3989	-0.8318103	0.00014386	No
lgf2bp2	0.12285	0.037732	-0.085118	0.00132879	No	Atp6v0a4	0.045756	36.1209	9.62466	0.046756	36.1219	9.59350655	0.00014386	No
lgfbp6	0.38682	0.19059	-0.19623	0.00050175	No	Atp6v0b	55.6225	169.887	1.61084	55.6235	169.888	1.61081752	0.00014386	No
lgsf21	0.20782	0.068164	-0.139656	0.00093244	No	Atp6v0c	167.588	407.551	1.28207	167.589	407.552	1.28205669	0.00014386	No
ll11	0.22837	0.081323	-0.147047	5.41E-06	No	Atp6v0d1	123.547	275.55	1.15726	123.548	275.551	1.15724771	0.00014386	No
ll17c	0.82612	0.66195	-0.16417	0.00719792	No	Atp6v0e1	119.923	234.203	0.965649	119.924	234.204	0.96564531	0.00014386	No
ll18bp	0.058873	0.0087623	-0.0501107	0.0058184	No	Atp6v0e2	16.5742	62.2323	1.90872	16.5752	62.2333	1.90866047	0.00014386	No
ll1r2	0.84563	0.18935	-0.65628	6.75E-07	No	Atp6v1a	9.42195	62.1946	2.72269	9.42295	62.1956	2.72256183	0.00014386	No
ll1rapl2	0.13964	0.052471	-0.087169	0.0048809	No	Atp6v1b1	0.0290986	66.1081	11.1497	0.0300986	66.1091	11.1009368	0.00014386	No
ll4	0.76129	0.19539	-0.5659	0.00123297	No	Atp6v1b2	30.5654	97.6918	1.67634	30.5664	97.6928	1.67630559	0.00014386	No
lna	0.12344	0.024008	-0.099432	2.80E-05	No	Atp6v1c1	36.1074	57.8497	0.680014	36.1084	57.8507	0.67999992	0.00014386	No
lnca1	0.063324	0.0091355	-0.0541885	0.0007877	No	Atp6v1c2	1.93381	12.3353	2.67327	1.93481	12.3363	2.67264595	0.00014386	No
lnhbb	0.14759	0.034236	-0.113354	2.40E-10	No	Atp6v1d	39.9944	91.0435	1.18676	39.9954	91.0445	1.18673779	0.00014386	No
lnhbe	0.51663	0.16774	-0.34889	9.09E-07	No	Atp6v1e1	29.4759	183.517	2.6383	29.4769	183.518	2.63826486	0.00014386	No
linsig1	0.22305	0.15955	-0.0635	0.00188523	No	Atp6v1f	92.4821	239.284	1.37148	92.4831	239.285	1.3714683	0.00014386	No
lrf2bp1	0.70627	0.115	-0.59127	2.15E-12	No	Atp6v1g1	163.183	248.41	0.606233	163.184	248.411	0.60622945	0.00014386	No
lrf5	0.031372	0.10816	0.076788	0.00781609	No	Atp6v1g3	0.594025	19.8353	5.0614	0.595025	19.8363	5.05904885	0.00014386	No
lrf6	0.15961	0.033021	-0.126589	3.76E-05	No	Atp6v1h	18.9574	41.5241	1.13119	18.9584	41.5251	1.13114643	0.00014386	No
lrf8	0.62179	0.38866	-0.23313	3.13E-07	No	Atp8a1	14.6461	6.43807	-1.18582	14.6471	6.43907	-1.1856908	0.00014386	No
lrx2	0.17457	0.060657	-0.113913	0.00173557	No	Atp8b2	9.50296	1.80153	-2.39916	9.50396	1.80253	-2.3985055	0.00014386	No
lrx4	0.10492	0.020109	-0.084811	5.42E-05	No	Atp9a	0.550791	46.2658	6.3923	0.551791	46.2668	6.38971158	0.00014386	No
lrx6	0.066466	0.0097656	-0.0567004	5.11E-05	No	Atpaf1	5.64292	10.9222	0.952751	5.64392	10.9232	0.95262612	0.00014386	No
lsg2012	0.21435	0.04502	-0.16933	4.77E-07	No	Atpaf2	16.547	24.8256	0.585258	16.548	24.8266	0.58522984	0.00014386	No
ltga8	0.80294	0.31742	-0.48552	8.74E-06	No	Atpif1	238.589	868.211	1.86352	238.59	868.212	1.86351379	0.00014386	No
ltgbl1	0.69712	0.39214	-0.30498	2.99E-06	No	Atr	2.95254	1.21889	-1.27639	2.95354	1.21989	-1.2756941	0.00014386	No
ltpka	0.48423	0.21635	-0.26788	3.70E-05	No	Atraid	10.4612	35.7827	1.77421	10.4622	35.7837	1.77411631	0.00014386	No
lzumo1	0.13069	0.052776	-0.077914	0.00108023	No	Atrip	16.1501	35.8776	1.15154	16.1511	35.8786	1.15149117	0.00014386	No
jph3	0.11518	0.019645	-0.095535	5.06E-08	No	Atrn	4.48023	11.3126	1.33628	4.48123	11.3136	1.33609139	0.00014386	No
jph4	0.50311	0.40104	-0.10207	0.00842241	No	Atrnl1	0.491178	6.89343	3.8109	0.492178	6.89443	3.8081792	0.00014386	No
kb23	0.71666	0.46919	-0.24747	6.79E-07	No	Atrx	28.2517	9.47199	-1.5766	28.2527	9.47299	-1.576497	0.00014386	No
kbtbd4	0.59369	0.35948	-0.23421	0.04051274	No	Atxn10	41.372	63.5269	0.618712	41.373	63.5279	0.61870076	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Kbtbd6	0.27554	0.14769	-0.12785	4.87E-06	No	Atxn1l	3.85209	6.33817	0.718426	3.85309	6.33917	0.71827807	0.00014386	No
Kbtbd7	0.27554	0.14769	-0.12785	4.87E-06	No	Atxn2	16.9749	40.1661	1.24258	16.9759	40.1671	1.24252624	0.00014386	No
Kcna1	0.14267	0.047169	-0.095501	4.21E-12	No	Atxn2l	76.0914	20.8248	-1.86943	76.0924	20.8258	-1.8693805	0.00014386	No
Kcna3	0.16046	0.32061	0.16015	0.00158432	No	Atxn7	15.6618	3.3583	-2.22145	15.6628	3.3593	-2.2211096	0.00014386	No
Kcna5	0.2023	0.40407	0.20177	1.98E-05	No	ATXN7L2	26.4875	8.11328	-1.70695	26.4885	8.11428	-1.7068312	0.00014386	No
Kcna6	0.069722	0.015073	-0.054649	1.02E-06	No	Atxn7l3	26.374	10.1976	-1.37089	26.375	10.1986	-1.3708	0.00014386	No
Kcnb1	0.4034	0.2188	-0.1846	2.76E-08	No	Atxn7l4	14.0592	1.95507	-2.84622	14.0602	1.95607	-2.8455872	0.00014386	No
Kcnc1	0.27727	0.087714	-0.189556	2.15E-12	No	AU040320	11.6599	25.203	1.11203	11.6609	25.204	1.11197357	0.00014386	No
Kcnc3	0.13628	0.023285	-0.112995	2.08E-06	No	Aurkaip1	89.7317	120.56	0.426058	89.7327	120.561	0.42605756	0.00014386	No
Kcnd3	0.086028	0.015497	-0.070531	1.85E-07	No	Aurkb	2.97616	1.41801	-1.06959	2.97716	1.41901	-1.069052	0.00014386	No
Kcne2	0.8058	0.30363	-0.50217	5.56E-07	No	Aven	25.2873	12.1523	-1.05719	25.2883	12.1533	-1.057122	0.00014386	No
Kcnf1	0.75009	0.60104	-0.14905	0.02346238	No	Avl9	8.67762	3.93135	-1.14227	8.67862	3.93235	-1.1420739	0.00014386	No
Kcng1	0.13044	0.33049	0.20005	0.00015722	No	Avpi1	10.0276	40.7987	2.02455	10.0286	40.7997	2.02443833	0.00014386	No
Kcnh3	0.13863	0.032362	-0.106268	0.00031293	No	Avpr1a	0	1.22369	inf	0.001	1.22469	10.2582009	0.00014386	No
Kcnh5	0.64972	0.41689	-0.23283	0.00628692	No	Avpr2	2.66426	12.2867	2.20529	2.66526	12.2877	2.20486672	0.00014386	No
Kcnh7	0.090164	0.027864	-0.0623	8.48E-08	No	Axin1	32.7814	15.7663	-1.05603	32.7824	15.7673	-1.0559858	0.00014386	No
Kcnh8	0.064687	0.013942	-0.050745	0.00028819	No	Azi1	5.4818	18.2588	1.73587	5.4828	18.2598	1.73568621	0.00014386	No
Kcnip1	0.12587	0.031599	-0.094271	2.18E-08	No	Azi2	48.92	19.5774	-1.32124	48.921	19.5784	-1.321191	0.00014386	No
Kcnj14	0.58413	0.18497	-0.39916	4.76E-05	No	B230118H07Rik	4.634	84.067	4.18121	4.635	84.068	4.18091551	0.00014386	No
Kcnj3	0.1105	0.023148	-0.087352	5.49E-12	No	B2m	3092.34	475.873	-2.70005	3092.341	475.874	-2.7000479	0.00014386	No
Kcnj5	0.073287	0.013723	-0.059564	0.00100136	No	B3galnt2	23.6443	10.0782	-1.23026	23.6453	10.0792	-1.2301723	0.00014386	No
Kcnk2	0.12336	0.041951	-0.081409	0.00628692	No	B3galt5	1.62544	3.16947	0.963409	1.62644	3.17047	0.96297912	0.00014386	No
Kcnk3	0.09324	0.023599	-0.069641	0.00842241	No	B3gat1	0	1.52111	inf	0.001	1.52211	10.5718569	0.00014386	No
Kcnk4	0.16619	0.038322	-0.127868	5.41E-06	No	B3gnt5	1.29123	0.120317	-3.42384	1.29223	0.121317	-3.4130092	0.00014386	No
Kcnk9	0.13269	0.029438	-0.103252	0.00015722	No	B4galnt1	60.1135	6.06643	-3.30877	60.1145	6.06743	-3.3085556	0.00014386	No
Kcnn1	0.40258	0.10545	-0.29713	6.67E-05	No	B4galt1	38.6626	14.1942	-1.44564	38.6636	14.1952	-1.4455728	0.00014386	No
Kcnq3	0.061611	0.0072864	-0.0543246	4.10E-09	No	B4galt3	19.1135	36.9157	0.94964	19.1145	36.9167	0.94960613	0.00014386	No
Kcns2	0.10525	0.026671	-0.078579	0.00281863	No	B4galt4	0.313201	5.99175	4.25782	0.314201	5.99275	4.25345851	0.00014386	No
Kctd11	0.77096	0.37121	-0.39975	2.49E-07	No	B4galt6	0.0625277	5.39503	6.43099	0.0635277	5.39603	6.40836877	0.00014386	No
Kctd15	0.076132	0.012571	-0.063561	1.28E-06	No	B630005N14Rik	9.29085	4.42167	-1.07122	9.29185	4.42267	-1.0710483	0.00014386	No
Kctd8	0.10145	0.019812	-0.081638	0.00045631	No	B930041F14Rik	0	1.04177	inf	0.001	1.04277	10.0262053	0.00014386	No
Kdf1	0.65984	0.097327	-0.562513	1.47E-10	No	B9d1	2.033	10.6486	2.38898	2.034	10.6496	2.38840766	0.00014386	No
Khdrbs2	0.12557	0.03021	-0.09536	0.00023201	No	Baalc	0	0.868441	inf	0.001	0.869441	9.76394432	0.00014386	No
Kiaa0895l	0.23203	0.053636	-0.178394	2.80E-05	No	Bach1	8.28762	4.20999	-0.977141	8.28862	4.21099	-0.9769725	0.00014386	No
Kif2b	0.9373	0.62534	-0.31196	9.57E-07	No	Bach2	27.6033	1.03039	-4.74358	27.6043	1.03139	-4.7422311	0.00014386	No
Klc1	0.22223	0.037114	-0.185116	3.87E-06	No	Bad	24.7095	51.1558	1.04983	24.7105	51.1568	1.04980182	0.00014386	No
Klf14	0.27431	0.12064	-0.15367	9.16E-10	No	Bag1	60.4846	83.868	0.471551	60.4856	83.869	0.47154594	0.00014386	No
Klf5	0.093149	0.040935	-0.052214	2.15E-12	No	Bag2	0.89463	16.0479	4.16495	0.89563	16.0489	4.16342775	0.00014386	No
Klhl1	0.078372	0.021538	-0.056834	1.16E-05	No	Baiap2	5.83138	23.913	2.03589	5.83238	23.914	2.03569884	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Klh138	0.88092	0.76502	-0.1159	0.00451501	No	Baiap2l1	1.1869	12.9218	3.44454	1.1879	12.9228	3.4434334	0.00014386	No
Klh141	0.86943	0.52382	-0.34561	0.00015722	No	Baiap2l2	2.33098	112.138	5.58819	2.33198	112.139	5.58758888	0.00014386	No
Krt19	0.10027	0.018236	-0.082034	3.15E-05	No	Baiap3	43.5288	1.98126	-4.45748	43.5298	1.98226	-4.4567853	0.00014386	No
Krt25	0.75701	0.61399	-0.14302	0.02220995	No	Bak1	33.0066	21.8256	-0.596729	33.0076	21.8266	-0.5967108	0.00014386	No
Krt72	0.91091	0.65295	-0.25796	1.43E-06	No	Bambi	0.393936	21.4139	5.76444	0.394936	21.4149	5.76085225	0.00014386	No
Krt75	0.76596	0.51562	-0.25034	0.00842241	No	Bap1	34.1487	22.5916	-0.596046	34.1497	22.5926	-0.5960226	0.00014386	No
Krt8	0.7231	0.37204	-0.35106	0.00334552	No	Barx2	0	1.46389	inf	0.001	1.46489	10.5165766	0.00014386	No
Krt80	0.66132	0.20537	-0.45595	2.23E-05	No	Bax	85.4563	45.8269	-0.898994	85.4573	45.8279	-0.8989776	0.00014386	No
Krt81	0.62889	0.41666	-0.21223	0.00014055	No	Baz1a	20.4932	3.26658	-2.64929	20.4942	3.26758	-2.6489212	0.00014386	No
Krt83	0.77901	0.24558	-0.53343	2.15E-12	No	Baz1b	37.2997	15.0637	-1.30809	37.3007	15.0647	-1.3080308	0.00014386	No
Ky	0.065519	0.012903	-0.052616	0.00675344	No	Baz2a	63.1069	10.7454	-2.55408	63.1079	10.7464	-2.5539672	0.00014386	No
L3hypadh	0.77277	0.15147	-0.6213	4.71E-07	No	Baz2b	32.8053	8.99686	-1.86643	32.8063	8.99786	-1.8663191	0.00014386	No
Lamp5	0.068074	0.033931	-0.034143	0.00014347	No	Bbc3	22.5048	9.89897	-1.18488	22.5058	9.89997	-1.1848008	0.00014386	No
Lanc13	0.058571	0.005	-0.053571	0.03808344	No	Bbs1	0.333568	9.45258	4.82465	0.334568	9.45358	4.8204894	0.00014386	No
Lbhd1	0.095937	0.022973	-0.072964	0.01049788	No	Bbs2	8.6889	38.3708	2.14276	8.6899	38.3718	2.14263496	0.00014386	No
Lbx2	0.35512	0.19836	-0.15676	0.01832913	No	Bbs5	1.57951	10.0712	2.67268	1.58051	10.0722	2.67191677	0.00014386	No
Lca5l	0.86108	0.71158	-0.1495	0.00317797	No	Bbx	5.34334	3.36	-0.669279	5.34434	3.361	-0.6691213	0.00014386	No
Lcmt2	0.062157	0.0071236	-0.0550334	6.06E-05	No	BC005537	118.361	74.779	-0.662491	118.362	74.78	-0.6624816	0.00014386	No
Lefty1	0.25078	0.027305	-0.223475	4.22E-09	No	BC005561	1.08457	0.43291	-1.32498	1.08557	0.43391	-1.322985	0.00014386	No
Lefty2	0.42117	0.2368	-0.18437	0.00132879	No	BC017643	27.1918	13.2256	-1.03984	27.1928	13.2266	-1.0397825	0.00014386	No
Lgals7	0.76339	0.55582	-0.20757	0.00023201	No	BC021891	0	10.4648	inf	0.001	10.4658	13.353395	0.00014386	No
Lhx1	0.064757	0.0091667	-0.0555903	0.00050175	No	BC030307	0.166501	1.50054	3.17188	0.167501	1.50154	3.16420129	0.00014386	No
Lhx5	0.092428	0.022853	-0.069575	9.44E-05	No	BC049762	0.121767	4.67223	5.26192	0.122767	4.67323	5.25042532	0.00014386	No
Lif	0.26898	0.084743	-0.184237	0.00353419	No	BC068281	1.48043	4.25458	1.523	1.48143	4.25558	1.52236531	0.00014386	No
Lin7a	0.067177	0.0091966	-0.0579804	1.98E-05	No	Bcam	0.0445279	230.197	12.3359	0.0455279	230.198	12.3038368	0.00014386	No
Lingo3	0.93298	0.57059	-0.36239	4.71E-07	No	Bcap29	76.0989	8.99976	-3.07992	76.0999	9.00076	-3.0797758	0.00014386	No
Lmx1a	0.19663	0.081541	-0.115089	0.00628692	No	Bcap31	165.62	92.9959	-0.832638	165.621	92.9969	-0.8326311	0.00014386	No
Lmx1b	0.11878	0.026099	-0.092681	0.00021135	No	Bcar1	0.0621827	41.5558	9.38432	0.0631827	41.5568	9.36133926	0.00014386	No
LOC100362783	0.94312	0.1384	-0.80472	4.21E-12	No	Bcar3	0.764008	9.11287	3.57625	0.765008	9.11387	3.57451705	0.00014386	No
LOC100909539	0.12773	0.0058869	-0.1218431	1.80E-05	No	Bcas2	102.182	51.4308	-0.990431	102.183	51.4318	-0.9904226	0.00014386	No
LOC106182250	0.6433	0.24416	-0.39914	0.00038568	No	Bcas3	16.6283	9.3179	-0.835569	16.6293	9.3189	-0.8354959	0.00014386	No
LOC106736471	0.67009	0.35814	-0.31195	0.00113573	No	Bckdha	30.4	128.544	2.08012	30.401	128.545	2.08008281	0.00014386	No
LOC257642	0.38153	0.22096	-0.16057	7.31E-07	No	Bckdhb	25.3208	123.286	2.28362	25.3218	123.287	2.28356882	0.00014386	No
LOC310926	0.37244	0.16317	-0.20927	0.0038486	No	Bcl10	27.7602	17.3665	-0.676713	27.7612	17.3675	-0.6766798	0.00014386	No
LOC497938	0.81489	0.62933	-0.18556	0.01120909	No	BCL11B	54.2775	1.43211	-5.24414	54.2785	1.43311	-5.2431596	0.00014386	No
LOC498368	0.091464	0.013061	-0.078403	1.42E-05	No	Bcl2	24.4732	2.91182	-3.07121	24.4742	2.91282	-3.0707732	0.00014386	No
LOC500077	0.35912	0.22912	-0.13	0.00050175	No	Bcl2l1	6.31285	111.086	4.13724	6.31385	111.087	4.1370262	0.00014386	No
LOC500331	0.91888	0.4085	-0.51038	2.15E-12	No	Bcl2l14	0.22903	3.10225	3.75971	0.23003	3.10325	3.75388599	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
LOC681383	0.388	0.18441	-0.20359	0.00065829	No	Bcl6	5.43031	9.03719	0.73484	5.43131	9.03819	0.73473368	0.00014386	No
LOC681766	0.44081	0.23348	-0.20733	2.29E-08	No	Bcl7a	1.19159	7.72503	2.69665	1.19259	7.72603	2.69562913	0.00014386	No
LOC682102	0.23173	0.044567	-0.187163	9.57E-07	No	Bcl9l	30.1598	6.98905	-2.10946	30.1608	6.99005	-2.1093	0.00014386	No
LOC687707	0.83925	0.71164	-0.12761	0.01961146	No	Bclaf1	79.2033	22.8418	-1.79388	79.2043	22.8428	-1.7938393	0.00014386	No
LOC688924	0.71667	0.55334	-0.16333	0.03461603	No	Bcs1l	3.01832	6.44903	1.09534	3.01932	6.45003	1.0950822	0.00014386	No
LOC690435	0.71132	0.17665	-0.53467	2.40E-10	No	Bdh2	2.97703	71.072	4.57734	2.97803	71.073	4.5768714	0.00014386	No
LOC690617	0.83859	0.28992	-0.54867	2.15E-12	No	Bdp1	10.4406	4.31667	-1.27421	10.4416	4.31767	-1.2740179	0.00014386	No
LOC691153	0.878	0.13562	-0.74238	4.71E-07	No	Bend5	3.10319	20.7112	2.73858	3.10419	20.7122	2.73819203	0.00014386	No
Loxl4	0.10305	0.031274	-0.071776	0.00334552	No	Bet1	17.0946	23.6896	0.470714	17.0956	23.6906	0.47068968	0.00014386	No
Lrat	0.097691	0.027196	-0.070495	1.18E-07	No	Bex1	12.8742	53.989	2.06819	12.8752	53.99	2.06809737	0.00014386	No
Lrcol1	0.072393	0.018676	-0.053717	0.00036321	No	Bex2	2.05855	11.6922	2.50585	2.05955	11.6932	2.50526874	0.00014386	No
Lrfn1	0.82707	0.73733	-0.08974	0.01283808	No	Bhlhe23	0	1.12624	inf	0.001	1.12724	10.138579	0.00014386	No
Lrfn5	0.086944	0.014828	-0.072116	0.00976507	No	Bhlhe40	4.00888	30.4105	2.9233	4.00988	30.4115	2.92298601	0.00014386	No
Lrg1	0.32133	0.17038	-0.15095	0.01961146	No	Bicc1	0.15306	35.4466	7.8554	0.15406	35.4476	7.84605181	0.00014386	No
Lrp4	0.13277	0.039605	-0.093165	1.57E-05	No	Bicd2	10.6144	25.0716	1.24003	10.6154	25.0726	1.23995288	0.00014386	No
Lrrc14b	0.95905	0.84896	-0.11009	3.52E-05	No	Bid	45.8187	7.54222	-2.60288	45.8197	7.54322	-2.6027156	0.00014386	No
Lrrc20	0.0054896	0.075091	0.0696014	0.00015722	No	Bin1	188.424	76.7148	-1.29641	188.425	76.7158	-1.2963947	0.00014386	No
Lrrc26	0.22394	0.061056	-0.162884	1.57E-07	No	Bin2	176.476	112.283	-0.652335	176.477	112.284	-0.6523278	0.00014386	No
Lrrc38	0.10604	0.018651	-0.087389	0.00038568	No	Birc2	28.5303	16.2272	-0.814078	28.5313	16.2282	-0.8140425	0.00014386	No
Lrrc4b	0.10263	0.028657	-0.073973	0.00021135	No	Birc3	16.5801	7.93961	-1.06231	16.5811	7.94061	-1.062218	0.00014386	No
Lrrc8d	0.87104	0.21907	-0.65197	4.71E-07	No	Birc6	11.2943	1.66643	-2.76076	11.2953	1.66743	-2.7600245	0.00014386	No
Lrrc8e	0.54351	0.085793	-0.457717	7.62E-05	No	BIVM	6.64194	12.2209	0.879672	6.64294	12.2219	0.87957479	0.00014386	No
Lrrn4cl	0.88907	0.76516	-0.12391	0.00418734	No	Bicap	21.8434	42.2533	0.951866	21.8444	42.2543	0.95183468	0.00014386	No
LRRTM1	0.084082	0.025914	-0.058168	3.46E-06	No	Blm	5.99116	1.06189	-2.4962	5.99216	1.06289	-2.4950838	0.00014386	No
Ltb4r	0.11714	0.022479	-0.094661	5.96E-07	No	Blnk	2.55737	21.5082	3.07215	2.55837	21.5092	3.07165704	0.00014386	No
Ltbp2	0.10742	0.02693	-0.08049	2.15E-12	No	Bloc1s1	72.6619	188.166	1.37274	72.6629	188.167	1.37272279	0.00014386	No
Ltk	0.020768	0.082865	0.062097	0.00281863	No	Bloc1s2	61.8348	25.5005	-1.2779	61.8358	25.5015	-1.2778602	0.00014386	No
Lypd3	0.13418	0.069257	-0.064923	0.02094681	No	Bloc1s5	11.5611	25.854	1.16111	11.5621	25.855	1.16103985	0.00014386	No
Lymr1	0.29402	0.20786	-0.08616	0.00017371	No	Bloc1s6	6.32149	11.5108	0.864653	6.32249	11.5118	0.86454868	0.00014386	No
Mab2111	0.06106	0.17268	0.11162	9.09E-07	No	Blvra	17.8011	41.4103	1.21803	17.8021	41.4113	1.21797706	0.00014386	No
Mab2112	0.065261	0.49089	0.425629	2.97E-10	No	BLVRB	8.11742	29.6212	1.86754	8.11842	29.6222	1.86740791	0.00014386	No
Mael	0.81113	0.69034	-0.12079	0.01387459	No	Blzf1	11.6676	6.05624	-0.94601	11.6686	6.05724	-0.945899	0.00014386	No
Mafb	0.30443	0.095301	-0.209129	0.00038568	No	Bmf	1.10827	2.57309	1.21519	1.10927	2.57409	1.21445193	0.00014386	No
Mageb18	0.9599	0.89092	-0.06898	0.01832913	No	Bmp1	0.826197	12.8698	3.96136	0.827197	12.8708	3.95972697	0.00014386	No
Map10	0.30211	0.22152	-0.08059	0.02733646	No	Bmpr1a	0.070155	7.62365	6.76379	0.071155	7.62465	6.74356217	0.00014386	No
Map3k10	0.53804	0.20866	-0.32938	0.00038568	No	Bmpr2	2.83454	5.48819	0.953218	2.83554	5.48919	0.95296977	0.00014386	No
Map3k6	0.14163	0.024164	-0.117466	7.62E-05	No	Bms1	29.7675	12.8569	-1.2112	29.7685	12.8579	-1.2111315	0.00014386	No
Map3k9	0.12566	0.019958	-0.105702	0.0003366	No	Bnip2	32.7175	16.8832	-0.954474	32.7185	16.8842	-0.9544328	0.00014386	No
Mapk12	0.09822	0.030153	-0.068067	1.61E-05	No	Bnip3	2.06056	120.828	5.87377	2.06156	120.829	5.87308649	0.00014386	No
Mapk13	0.7048	0.58677	-0.11803	0.01387459	No	Bnip3l	58.0102	34.8884	-0.733558	58.0112	34.8894	-0.7335427	0.00014386	No
Marveld3	0.13711	0.029235	-0.107875	1.70E-08	No	Boc	0.30375	5.60849	4.20666	0.30475	5.60949	4.20217148	0.00014386	No
Matn1	0.76309	0.67452	-0.08857	0.04412687	No	BOD1	8.93562	22.4187	1.32706	8.93662	22.4197	1.32696579	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mb21d2	0.48409	0.28665	-0.19744	0.00087121	No	Bod1l	27.2042	10.3389	-1.39575	27.2052	10.3399	-1.3956602	0.00014386	No
Mboat4	0.81062	0.6121	-0.19852	0.00038568	No	Bola1	24.0342	54.1963	1.17311	24.0352	54.1973	1.17307217	0.00014386	No
Mc3r	0.66621	0.56121	-0.105	0.01387459	No	Bola3	24.227	56.7779	1.22871	24.228	56.7789	1.22867958	0.00014386	No
Mdga2	0.10635	0.02246	-0.08389	0.01832913	No	Bop1	32.715	18.6789	-0.808545	32.716	18.6799	-0.8085096	0.00014386	No
Megf6	0.093988	0.038333	-0.055655	0.01253195	No	Bora	6.49416	1.46686	-2.14641	6.49516	1.46786	-2.1456507	0.00014386	No
Meox1	0.10338	0.035369	-0.068011	0.04859041	No	Bpgm	14.0344	31.5839	1.17022	14.0354	31.5849	1.17016482	0.00014386	No
Mesdc1	0.21031	0.050898	-0.159412	2.95E-07	No	Bphl	0.458267	58.0264	6.98438	0.459267	58.0274	6.98125735	0.00014386	No
Mesp1	0.077183	0.025333	-0.05185	1.55E-06	No	Bpnt1	10.7699	32.3071	1.58485	10.7709	32.3081	1.58475711	0.00014386	No
Mest	0.3526	0.45656	0.10396	0.00451501	No	Braf	2.99295	1.55615	-0.943582	2.99395	1.55715	-0.9431422	0.00014386	No
Mfap2	0.75696	0.33124	-0.42572	1.98E-05	No	Brap	23.1641	12.3714	-0.904891	23.1651	12.3724	-0.9048275	0.00014386	No
Mfge8	0.023761	0.34451	0.320749	8.46E-07	No	Brat1	16.7256	10.5459	-0.665377	16.7266	10.5469	-0.6653252	0.00014386	No
Mgat4c	0.6258	0.17625	-0.44955	0.00058998	No	Brcc3	13.3618	20.3259	0.605208	13.3628	20.3269	0.60516787	0.00014386	No
Mgat4d	0.5234	0.15537	-0.36803	6.79E-07	No	Brd1	37.321	13.7994	-1.43538	37.322	13.8004	-1.4353162	0.00014386	No
MGC94207	0.78731	0.25172	-0.53559	2.15E-12	No	Brd3	13.076	9.354	-0.483265	13.077	9.355	-0.4832221	0.00014386	No
MGC95208	0.41937	0.24287	-0.1765	0.00628692	No	Brd4	41.7649	14.883	-1.48863	41.7659	14.884	-1.4885632	0.00014386	No
Miat	0.12651	0.024669	-0.101841	0.00719792	No	Brd8	43.5658	26.2899	-0.728686	43.5668	26.2909	-0.7286656	0.00014386	No
Mir124-1	0.069701	0.012605	-0.057096	6.06E-05	No	Bre	28.775	48.853	0.763631	28.776	48.854	0.76361063	0.00014386	No
Mir1247	0.20687	0.033142	-0.173728	4.33E-06	No	Brf1	40.7379	69.2644	0.765742	40.7389	69.2654	0.76572784	0.00014386	No
Mir126	0.98005	0.90204	-0.07801	0.00023201	No	Bri3	71.8513	323.985	2.17284	71.8523	323.986	2.17282523	0.00014386	No
Mir137	0.085187	0.017505	-0.067682	1.80E-05	No	Bri3bp	13.989	8.26384	-0.759414	13.99	8.26484	-0.7593372	0.00014386	No
Mir138-2	0.22036	0.46229	0.24193	2.86E-06	No	Bricd5	7.27587	21.8259	1.58485	7.27687	21.8269	1.5847173	0.00014386	No
Mir141	0.95279	0.68537	-0.26742	3.91E-08	No	Brix1	28.5866	14.638	-0.96562	28.5876	14.639	-0.9655725	0.00014386	No
Mir149	0.065258	0.25175	0.186492	0.00028308	No	Brk1	103.759	75.9289	-0.450511	103.76	75.9299	-0.4505104	0.00014386	No
Mir196a	0.062707	0.17909	0.116383	4.58E-11	No	Brpf1	15.867	6.04512	-1.39219	15.868	6.04612	-1.3920388	0.00014386	No
Mir196c	0.13483	0.46176	0.32693	2.15E-12	No	Brsk1	0.929682	2.81448	1.59806	0.930682	2.81548	1.59702069	0.00014386	No
Mir203	0.11559	0.016197	-0.099393	1.76E-07	No	Brwd1	14.9722	8.45868	-0.823785	14.9732	8.45968	-0.8237076	0.00014386	No
Mir25	0.88184	0.67237	-0.20947	0.00132879	No	Bscl2	38.1257	63.2722	0.730808	38.1267	63.2732	0.73079289	0.00014386	No
Mir295-1	0.73571	0.50267	-0.23304	0.00020424	No	Bsdc1	8.4669	17.2794	1.02915	8.4679	17.2804	1.02906048	0.00014386	No
Mir2964	0.83459	0.45197	-0.38262	2.15E-12	No	Bsg	105.862	815.798	2.94603	105.863	815.799	2.9460153	0.00014386	No
Mir3065	0.77649	0.14552	-0.63097	2.15E-12	No	Bspry	4.10949	49.0894	3.57838	4.11049	49.0904	3.57805863	0.00014386	No
Mir326	0.8006	0.43909	-0.36151	0.00054762	No	Bst1	6.19733	171.708	4.79216	6.19833	171.709	4.79194228	0.00014386	No
Mir331	0.86398	0.7169	-0.14708	0.02346238	No	Bst2	94.2511	65.064	-0.53465	94.2521	65.065	-0.5346431	0.00014386	No
Mir341	0.31306	0.18039	-0.13267	2.20E-12	No	Btaf1	10.5604	4.85786	-1.12027	10.5614	4.85886	-1.1201113	0.00014386	No
Mir346	0.10578	0.02261	-0.08317	6.40E-05	No	Btbd1	40.4039	25.3356	-0.67333	40.4049	25.3366	-0.6733073	0.00014386	No
Mir34a	0.85128	0.57363	-0.27765	0.00058998	No	Btbd19	4.30356	1.15017	-1.90369	4.30456	1.15117	-1.9027649	0.00014386	No
Mir3547	0.84369	0.67155	-0.17214	4.44E-05	No	Btbd2	15.2812	35.0694	1.19845	15.2822	35.0704	1.19840164	0.00014386	No
Mir3569	0.56542	0.085272	-0.480148	9.85E-08	No	Btbd6	3.46269	21.1326	2.60951	3.46369	21.1336	2.60915682	0.00014386	No
Mir3590	0.39959	0.030585	-0.369005	4.71E-07	No	Btc	0	2.42347	inf	0.001	2.42447	11.2434537	0.00014386	No
Mir378	0.53262	0.090255	-0.442365	4.33E-06	No	Btd	6.5279	15.8452	1.27935	6.5289	15.8462	1.27922507	0.00014386	No
Mir455	0.75339	0.37254	-0.38085	6.76E-06	No	Btf3	811.771	316.616	-1.35834	811.772	316.617	-1.3583359	0.00014386	No
Mir6314	0.43372	0.16418	-0.26954	0.00010321	No	Btg1	1746.92	152.897	-3.51419	1746.921	152.898	-3.5141729	0.00014386	No
Mir6326	0.18799	0.017637	-0.170353	0.00050175	No	Btg2	316.745	65.864	-2.26576	316.746	65.865	-2.2657425	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Mir6328	0.011358	0.25482	0.243462	4.82E-11	No	Btg3	3.00109	20.0567	2.74052	3.00209	20.0577	2.74011705	0.00014386	No
Mir6333	0.45567	0.12759	-0.32808	4.92E-06	No	Btn2a2	0.170781	1.56843	3.1991	0.171781	1.56943	3.1915983	0.00014386	No
Mir671	0.75059	0.63105	-0.11954	0.02850905	No	Bves	0	0.756212	inf	0.001	0.757212	9.56455346	0.00014386	No
Mir711	0.85061	0.76236	-0.08825	0.00281863	No	Bysl	20.9207	13.6724	-0.61366	20.9217	13.6734	-0.6136281	0.00014386	No
Mir9-1	0.15254	0.020591	-0.131949	0.00158432	No	Bzw1	71.7126	41.5833	-0.786224	71.7136	41.5843	-0.7862078	0.00014386	No
Mir9-3	0.098361	0.027655	-0.070706	0.00010965	No	Bzw2	60.9052	17.416	-1.80615	60.9062	17.417	-1.8060929	0.00014386	No
Mir99b	0.83075	0.30233	-0.52842	2.15E-12	No	C030039L03 Rik	1.50867	0.794691	-0.924809	1.50967	0.795691	-0.923953	0.00014386	No
Misp	0.93347	0.19656	-0.73691	2.16E-09	No	C1galt1	12.1815	5.25892	-1.21185	12.1825	5.25992	-1.2116975	0.00014386	No
Mk1	0.87645	0.64996	-0.22649	0.00123297	No	C1galt1c1	7.27066	21.6667	1.57532	7.27166	21.6677	1.57518937	0.00014386	No
Mlh3	0.39703	0.46838	0.07135	0.03216266	No	C1qa	0	9.5948	inf	0.001	9.5958	13.2281874	0.00014386	No
Mlxipl	0.15493	0.03808	-0.11685	0.00031293	No	C1qb	0	6.19441	inf	0.001	6.19541	12.596984	0.00014386	No
Mmd2	0.16054	0.043801	-0.116739	0.00014055	No	C1qc	0	10.5371	inf	0.001	10.5381	13.3633272	0.00014386	No
Mmel1	0.69087	0.52535	-0.16552	0.01559789	No	C1qtnf6	4.03812	0.547469	-2.88283	4.03912	0.548469	-2.880559	0.00014386	No
Mmp14	0.16331	0.038572	-0.124738	0.00072449	No	C2	0.480622	3.38953	2.81811	0.481622	3.39053	2.81553761	0.00014386	No
Mmp16	0.065674	0.014061	-0.051613	2.52E-12	No	C2cd2	2.38061	5.93882	1.31885	2.38161	5.93982	1.31848203	0.00014386	No
Mmp2	0.095192	0.040366	-0.054826	3.74E-05	No	C2cd3	15.6419	6.58549	-1.24806	15.6429	6.58649	-1.2479262	0.00014386	No
Mmp23	0.60688	0.4733	-0.13358	0.02346238	No	C2cd5	16.5986	10.9103	-0.605367	16.5996	10.9113	-0.6053255	0.00014386	No
Mmp9	0.23896	0.1633	-0.07566	0.00011494	No	C3	0.270568	1.43951	2.41151	0.271568	1.44051	2.40719428	0.00014386	No
Mos	0.38551	0.08525	-0.30026	2.31E-07	No	C330018D20 Rik	15.03	23.031	0.615738	15.031	23.032	0.6156987	0.00014386	No
Mrap	0.70484	0.21238	-0.49246	2.08E-06	No	C5	0.0488337	3.01812	5.94963	0.0498337	3.01912	5.9208626	0.00014386	No
Mrc2	0.071778	0.011455	-0.060323	0.00317797	No	Caap1	15.0572	5.96278	-1.3364	15.0582	5.96378	-1.3362504	0.00014386	No
Mrgprf	0.14051	0.06313	-0.07738	0.01120909	No	Cab39	57.1805	39.3717	-0.538363	57.1815	39.3727	-0.5383528	0.00014386	No
Mrpl14	0.47586	0.12291	-0.35295	0.00017371	No	Cables1	0.0722703	5.57571	6.26961	0.0732703	5.57671	6.25004192	0.00014386	No
Mrpl53	0.94438	0.86802	-0.07636	0.02220995	No	Cabp1	0.415889	85.3745	7.68146	0.416889	85.3755	7.67801501	0.00014386	No
Mrps2	0.30278	0.46723	0.16445	0.02220995	No	Cacfd1	5.62039	21.1288	1.91047	5.62139	21.1298	1.9102803	0.00014386	No
Msc	0.35634	0.094217	-0.262123	2.52E-05	No	Cacna1d	0.0620418	1.13587	4.19442	0.0630418	1.13687	4.17261475	0.00014386	No
Mt1	0.31634	0.17137	-0.14497	0.00010637	No	Cacna2d3	0	1.43779	inf	0.001	1.43879	10.4906403	0.00014386	No
Mtnr1b	0.19973	0.36512	0.16539	1.43E-06	No	Cacnb2	0.41285	1.55745	1.91549	0.41385	1.55845	1.91293201	0.00014386	No
Mycs	0.078605	0.021163	-0.057442	0.00103522	No	Cacul1	21.899	12.2281	-0.840665	21.9	12.2291	-0.8406126	0.00014386	No
Myh6	0.50538	0.19132	-0.31406	3.15E-05	No	Cacybp	65.2366	49.631	-0.394438	65.2376	49.632	-0.3944331	0.00014386	No
Myocd	0.27398	0.090229	-0.183751	0.00040757	No	Cad	27.6368	9.67821	-1.51378	27.6378	9.67921	-1.5136816	0.00014386	No
Myod1	0.14124	0.061328	-0.079912	9.36E-08	No	Cadm1	0.275584	7.52036	4.77024	0.276584	7.52136	4.76520395	0.00014386	No
Mypn	0.8209	0.66843	-0.15247	0.00719792	No	Cadps2	0.120426	8.19519	6.08856	0.121426	8.19619	6.07680416	0.00014386	No
Myt1l	0.090777	0.031832	-0.058945	0.00021135	No	Calcoco1	22.4974	16.46	-0.450792	22.4984	16.461	-0.4507704	0.00014386	No
Nalcn	0.16469	0.050129	-0.114561	0.00132879	No	Calcl1	6.52061	2.14964	-1.60092	6.52161	2.15064	-1.6004621	0.00014386	No
Nap1l5	0.40297	0.56953	0.16656	1.80E-05	No	Cald1	0.0246778	101.866	12.0112	0.0256778	101.867	11.9538775	0.00014386	No
Naprt	0.52777	0.081327	-0.446443	3.81E-09	No	Calm1	262.506	143.411	-0.872196	262.507	143.412	-0.8721901	0.00014386	No
Nat8	0.70397	0.17397	-0.53	6.75E-07	No	Calm2	178.484	231.621	0.375972	178.485	231.622	0.37596946	0.00014386	No
Nat8f5	0.7812	0.13393	-0.64727	6.75E-07	No	Calm3	86.9894	153.021	0.814816	86.9904	153.022	0.81481098	0.00014386	No
Ncan	0.13611	0.023389	-0.112721	6.06E-05	No	Calml3	0	1.76184	inf	0.001	1.76284	10.7836858	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nccrp1	0.084654	0.032042	-0.052612	0.00139382	No	Calml4	0.930281	130.924	7.13685	0.931281	130.925	7.13530834	0.00014386	No
Ndn	0.27144	0.096129	-0.175311	0.00205129	No	Caln1	0	10.6861	inf	0.001	10.6871	13.3835828	0.00014386	No
Ndr3	0.0628	0.0016667	-0.0611333	0.00144827	No	Camk1	0.396321	37.7	6.57175	0.397321	37.701	6.56815393	0.00014386	No
Ndufa10l1	0.6204	0.30822	-0.31218	1.37E-07	No	Camk1d	3.83429	0.399632	-3.26221	3.83529	0.400632	-3.2589861	0.00014386	No
Ndufs6	0.8885	0.75375	-0.13475	0.00045631	No	Camk2d	20.867	8.74149	-1.25527	20.868	8.74249	-1.2551762	0.00014386	No
Necab2	0.79743	0.67456	-0.12287	0.00192641	No	Camk4	56.8368	1.60407	-5.14702	56.8378	1.60507	-5.1461426	0.00014386	No
Nefm	0.1133	0.024242	-0.089058	1.30E-09	No	Camkk2	4.1702	1.69051	-1.30266	4.1712	1.69151	-1.3021508	0.00014386	No
Neil2	0.34227	0.07048	-0.27179	2.15E-12	No	Camsap3	0.0589445	24.7062	8.7113	0.0599445	24.7072	8.68708842	0.00014386	No
Nelfb	0.76789	0.45501	-0.31288	1.02E-06	No	Camta1	6.61843	0.518022	-3.67541	6.61943	0.519022	-3.6728394	0.00014386	No
Nell2	0.08485	0.023372	-0.061478	2.80E-05	No	Cand2	0.742757	2.297	1.62879	0.743757	2.298	1.62747555	0.00014386	No
Neur1	0.17072	0.069101	-0.101619	0.00016628	No	Cap1	209.14	60.324	-1.79366	209.141	60.325	-1.793648	0.00014386	No
Neurod2	0.11828	0.041349	-0.076931	0.00902244	No	Capg	21.4323	54.3873	1.34348	21.4333	54.3883	1.34344234	0.00014386	No
Neurog1	0.11726	0.054626	-0.062634	0.00158432	No	Capn1	48.8909	76.0079	0.636583	48.8919	76.0089	0.63657288	0.00014386	No
Neurog3	0.19209	0.044799	-0.147291	0.00031293	No	Capn10	26.51	13.1747	-1.00877	26.511	13.1757	-1.0087115	0.00014386	No
Nfasc	0.42893	0.10695	-0.32198	1.49E-06	No	Capn13	0	0.986629	inf	0.001	0.987629	9.94782539	0.00014386	No
Nfatc4	0.66614	0.77298	0.10684	0.00501738	No	Capn5	16.4198	26.1093	0.669122	16.4208	26.1103	0.66909462	0.00014386	No
Ngb	0.24418	0.094177	-0.150003	0.00132879	No	Caprin2	6.40549	10.8893	0.765531	6.40649	10.8903	0.76543765	0.00014386	No
Ngfr	0.073443	0.016547	-0.056896	0.01049788	No	Capza1	147.82	23.6848	-2.64181	147.821	23.6858	-2.6417569	0.00014386	No
Nhlh2	0.078601	0.026223	-0.052378	0.00023201	No	Capza2	90.5776	53.6361	-0.755951	90.5786	53.6371	-0.755939	0.00014386	No
Nhlrc1	0.31617	0.15787	-0.1583	5.77E-05	No	Capzb	409.686	170.469	-1.265	409.687	170.47	-1.2650042	0.00014386	No
Nkx1-2	0.10409	0.049324	-0.054766	0.03700939	No	Car11	2.35637	31.0518	3.72004	2.35737	31.0528	3.71947324	0.00014386	No
Nkx2-5	0.46939	0.31275	-0.15664	0.00675344	No	Car12	0.246798	122.023	8.94961	0.247798	122.024	8.94378467	0.00014386	No
Nkx2-8	0.091315	0.038313	-0.053002	1.32E-08	No	Car14	3.51272	24.2014	2.78443	3.51372	24.2024	2.78407898	0.00014386	No
Nkx3-1	0.11089	0.040525	-0.070365	0.00173557	No	Car2	43.7226	465.994	3.41386	43.7236	465.995	3.41383038	0.00014386	No
Nkx6-2	0.13178	0.059416	-0.072364	0.04859041	No	Car5b	0.219467	41.4409	7.56091	0.220467	41.4419	7.55438361	0.00014386	No
Nlgn3	0.13319	0.031769	-0.101421	7.01E-09	No	Car6	6.06954	10.4638	0.78575	6.07054	10.4648	0.78564798	0.00014386	No
Nln	0.31433	0.08106	-0.23327	2.77E-07	No	Card11	32.6094	2.54043	-3.68215	32.6104	2.54143	-3.6816197	0.00014386	No
Nlrp6	0.1915	0.081381	-0.110119	0.00675344	No	Card6	24.1887	1.67891	-3.84874	24.1897	1.67991	-3.847937	0.00014386	No
Nmnat2	0.12378	0.035135	-0.088645	2.16E-09	No	Card9	0.420082	6.00608	3.83768	0.421082	6.00708	3.83449077	0.00014386	No
Nmur2	0.084713	0.019662	-0.065051	4.76E-05	No	Carf	4.326	1.42843	-1.5986	4.327	1.42943	-1.5979271	0.00014386	No
Nnat	0.38766	0.25586	-0.1318	4.31E-08	No	Carm1	40.9606	24.0323	-0.769259	40.9616	24.0333	-0.7692373	0.00014386	No
Nodal	0.43056	0.12753	-0.30303	4.33E-06	No	Casc3	22.2731	7.80359	-1.51309	22.2741	7.80459	-1.5129724	0.00014386	No
Nol3	0.81518	0.68045	-0.13473	0.03216266	No	Casc4	6.80004	12.171	0.839832	6.80104	12.172	0.83973896	0.00014386	No
Nol4	0.20693	0.038297	-0.168633	0.00010321	No	Casd1	26.5709	3.69617	-2.84575	26.5719	3.69717	-2.8454081	0.00014386	No
Nop10	0.32829	0.17333	-0.15496	0.00017371	No	Cask	0.91369	3.90109	2.0941	0.91469	3.90209	2.09289227	0.00014386	No
Notch3	0.2218	0.11627	-0.10553	0.01206268	No	Casp1	82.147	6.37709	-3.68724	82.148	6.37809	-3.6870291	0.00014386	No
Notch4	0.64203	0.38473	-0.2573	0.00173557	No	Casp12	0.565387	5.70284	3.33437	0.566387	5.70384	3.33207346	0.00014386	No
Notum	0.14257	0.018092	-0.124478	2.27E-05	No	Casp3	17.4923	7.73532	-1.17719	17.4933	7.73632	-1.1770831	0.00014386	No
Npas4	0.26414	0.094496	-0.169644	1.64E-06	No	Casp8ap2	5.53957	1.41613	-1.96782	5.54057	1.41713	-1.9670623	0.00014386	No
Npbwr1	0.091853	0.027896	-0.063957	2.52E-05	No	Casz1	0.761035	11.2443	3.88509	0.762035	11.2453	3.88332108	0.00014386	No
Npc11l	0.80724	0.53416	-0.27308	0.00418734	No	Cat	23.0217	216.791	3.23524	23.0227	216.792	3.23518258	0.00014386	No
Npffr1	0.11225	0.015519	-0.096731	0.00045631	No	Catsper4	0	3.98182	inf	0.001	3.98282	11.9595746	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Nphs2	0.095504	0.221	0.125496	0.01832913	No	Cav1	0.129445	8.91068	6.10512	0.130445	8.91168	6.09418388	0.00014386	No
Npr1	0.10732	0.030969	-0.076351	4.77E-09	No	Cav2	0.861251	11.4455	3.7322	0.862251	11.4465	3.73065483	0.00014386	No
Nptx2	0.13745	0.022583	-0.114867	2.23E-05	No	Cbfa2t3	2.16639	0.940458	-1.20386	2.16739	0.941458	-1.2029901	0.00014386	No
Npy5r	0.11303	0.027371	-0.085659	2.15E-12	No	Cbfb	71.2416	12.5398	-2.50621	71.2426	12.5408	-2.5061108	0.00014386	No
Nr2e1	0.080431	0.029792	-0.050639	0.00018974	No	Cbl	15.8686	1.66464	-3.25289	15.8696	1.66564	-3.2521172	0.00014386	No
Nr2f2	0.13664	0.022455	-0.114185	1.83E-06	No	Cblb	25.1432	3.50106	-2.8443	25.1442	3.50206	-2.8439499	0.00014386	No
Nradd	0.83537	0.055565	-0.779805	1.06E-11	No	Cbll1	14.508	4.21829	-1.78212	14.509	4.21929	-1.7818759	0.00014386	No
Nrip3	0.081421	0.023668	-0.057753	0.00171073	No	CBR1	8.47206	22.5689	1.41355	8.47306	22.5699	1.41344504	0.00014386	No
Nrk	0.080261	0.013953	-0.066308	2.17E-05	No	Cbr4	2.28978	11.9081	2.37866	2.29078	11.9091	2.37815357	0.00014386	No
Nrsn2	0.85845	0.38307	-0.47538	4.71E-07	No	Cbs	0.0319445	64.787	10.9859	0.0329445	64.788	10.9414733	0.00014386	No
Nrtn	0.74423	0.63712	-0.10711	0.02220995	No	Cbx3	142.555	93.7153	-0.605159	142.556	93.7163	-0.6051569	0.00014386	No
Nt5c1a	0.41804	0.12405	-0.29399	2.23E-05	No	Cbx4	34.7049	5.61868	-2.62684	34.7059	5.61968	-2.6266211	0.00014386	No
Ntm	0.044347	0.013006	-0.031341	0.0007877	No	Cbx5	12.118	27.8827	1.20221	12.119	27.8837	1.20215135	0.00014386	No
Ntn3	0.19827	0.025804	-0.172466	1.28E-06	No	Cbx6	2.40318	22.5073	3.22738	2.40418	22.5083	3.22684028	0.00014386	No
Ntrk2	0.096948	0.01861	-0.078338	0.00025822	No	Cbx7	41.4573	17.2887	-1.2618	41.4583	17.2897	-1.2617481	0.00014386	No
Ntsr1	0.11918	0.045973	-0.073207	0.0038486	No	CBY1	4.2851	19.5708	2.1913	4.2861	19.5718	2.19103903	0.00014386	No
Numbl	0.85792	0.71081	-0.14711	0.00210898	No	Cc2d1a	18.3681	81.0017	2.14075	18.3691	81.0027	2.14068905	0.00014386	No
Nvl	0.85287	0.77487	-0.078	0.02967027	No	Cc2d1b	47.2451	28.4109	-0.733719	47.2461	28.4119	-0.7336999	0.00014386	No
Nyap1	0.051468	1.50E-07	-0.0514679	5.41E-06	No	Cc2d2a	0.104035	7.30443	6.13363	0.105035	7.30543	6.12002714	0.00014386	No
Oaz1	0.55248	0.098932	-0.453548	4.92E-06	No	Ccar1	27.9318	13.2595	-1.07489	27.9328	13.2605	-1.074825	0.00014386	No
Ogfod1	0.17819	0.10046	-0.07773	1.57E-05	No	Ccbl2	4.72171	15.3081	1.69692	4.72271	15.3091	1.69670262	0.00014386	No
Olig2	0.10054	0.039893	-0.060647	0.02967027	No	CCDC101	44.2506	15.0243	-1.5584	44.2516	15.0253	-1.5583358	0.00014386	No
Olr1462	0.53911	0.39398	-0.14513	0.00403477	No	Ccdc104	18.3599	47.1576	1.36094	18.3609	47.1586	1.36088411	0.00014386	No
Olr857	0.62408	0.31198	-0.3121	0.00205129	No	Ccdc111	1.87832	0.609817	-1.62299	1.87932	0.610817	-1.6213986	0.00014386	No
Onecut1	0.093853	0.041977	-0.051876	7.62E-05	No	Ccdc113	0.656765	29.4125	5.48491	0.657765	29.4135	5.48276241	0.00014386	No
Oprm1	0.077814	0.024832	-0.052982	7.62E-05	No	CCDC115	64.0971	29.318	-1.12847	64.0981	29.319	-1.1284457	0.00014386	No
Osbp18	0.30904	0.084833	-0.224207	5.28E-07	No	Ccdc124	60.5741	105.397	0.799059	60.5751	105.398	0.7990507	0.00014386	No
Osm	0	0.54179	0.54179	3.48E-08	No	Ccdc126	2.55318	12.2071	2.25735	2.55418	12.2081	2.25690658	0.00014386	No
Otop2	0.32063	0.19122	-0.12941	0.00198839	No	Ccdc127	2.66161	10.272	1.94835	2.66261	10.273	1.94794452	0.00014386	No
Otp	0.2366	0.063593	-0.173007	0.0007877	No	Ccdc137	13.0719	5.71969	-1.19246	13.0729	5.72069	-1.1923181	0.00014386	No
Ovol3	0.7963	0.56344	-0.23286	0.00353419	No	Ccdc138	0.241014	2.53717	3.39603	0.242014	2.53817	3.39062629	0.00014386	No
Oxct2a	0.56604	0.34276	-0.22328	0.00418734	No	Ccdc148	0	3.82123	inf	0.001	3.82223	11.9001989	0.00014386	No
Oxt	0.11598	0.05515	-0.06083	0.0024744	No	Ccdc15	1.94562	0.409406	-2.24863	1.94662	0.410406	-2.2458476	0.00014386	No
Oxtr	0.14224	0.077643	-0.064597	0.00229548	No	Ccdc157	0.616521	2.86587	2.21675	0.617521	2.86687	2.21491638	0.00014386	No
P22k15	0.89183	0.78959	-0.10224	0.00770116	No	Ccdc160	0	5.10294	inf	0.001	5.10394	12.3173957	0.00014386	No
P2rx1	0.24579	0.42395	0.17816	0.00875465	No	Ccdc163	2.47113	5.71837	1.21043	2.47213	5.71937	1.21010163	0.00014386	No
P2rx2	0.71947	0.47479	-0.24468	0.01387459	No	Ccdc181	5.0736	18.934	1.8999	5.0746	18.935	1.89968941	0.00014386	No
P2rx7	0.7978	0.19609	-0.60171	3.81E-09	No	Ccdc22	24.7607	13.1257	-0.915661	24.7617	13.1267	-0.9156061	0.00014386	No
P2ry2	0.11326	0.024573	-0.088687	1.37E-07	No	Ccdc23	14.5663	29.1129	0.999018	14.5673	29.1139	0.99897461	0.00014386	No
P3h3	0.81513	0.70016	-0.11497	0.02733646	No	Ccdc27	0.00629729	6.40189	9.98955	0.00729729	6.40289	9.77714672	0.00014386	No
P4ha2	0.22482	0.080056	-0.144764	0.01961146	No	Ccdc28a	25.7183	14.9433	-0.783297	25.7193	14.9443	-0.7832561	0.00014386	No
Pabpc5	0.10731	0.037806	-0.069504	0.00229548	No	Ccdc28b	36.3469	19.505	-0.897988	36.3479	19.506	-0.8979541	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Padi2	0.12069	0.054329	-0.066361	0.0310266	No	Ccdc30	0.602481	5.92115	3.29689	0.603481	5.92215	3.29474078	0.00014386	No
Pak7	0.17102	0.046675	-0.124345	1.17E-09	No	Ccdc32	8.3795	5.29497	-0.662241	8.3805	5.29597	-0.6621414	0.00014386	No
Palmd	0.52119	0.17833	-0.34286	0.00111391	No	Ccdc34	2.84638	5.65599	0.990651	2.84738	5.65699	0.99039958	0.00014386	No
Papolb	0.37519	0.25395	-0.12124	8.54E-05	No	Ccdc37	0.709065	10.3865	3.87265	0.710065	10.3875	3.87075357	0.00014386	No
Pappa	0.15552	0.034301	-0.121219	8.22E-05	No	Ccdc50	13.4179	9.55347	-0.490061	13.4189	9.55447	-0.4900187	0.00014386	No
Paqr4	0.62096	0.31394	-0.30702	2.52E-05	No	Ccdc51	2.91684	7.41823	1.34667	2.91784	7.41923	1.34636869	0.00014386	No
Paqr7	0.76424	0.22072	-0.54352	4.71E-07	No	Ccdc53	31.0835	70.9028	1.18969	31.0845	70.9038	1.18966758	0.00014386	No
Pard3	0.091506	0.018187	-0.073319	6.06E-05	No	Ccdc6	10.3009	52.8957	2.36037	10.3019	52.8967	2.36026728	0.00014386	No
Pawr	0.077066	0.015739	-0.061327	0.00317797	No	Ccdc64	100.657	27.3335	-1.88071	100.658	27.3345	-1.8806669	0.00014386	No
Pax1	0.10452	0.034885	-0.069635	0.00103522	No	Ccdc68	0	7.6574	inf	0.001	7.6584	12.9028273	0.00014386	No
Pax2	0.11637	0.01907	-0.0973	2.38E-06	No	Ccdc69	60.6607	2.47224	-4.61687	60.6617	2.47324	-4.6163118	0.00014386	No
Pax3	0.076008	0.024152	-0.051856	0.00111391	No	Ccdc71l	11.196	3.12888	-1.83927	11.197	3.12988	-1.838933	0.00014386	No
Pax7	0.09975	0.019625	-0.080125	0.00095533	No	Ccdc77	3.57106	1.5366	-1.21661	3.57206	1.5376	-1.2160761	0.00014386	No
Pbp2	0.88923	0.81279	-0.07644	0.01961146	No	Ccdc80	0	4.73144	inf	0.001	4.73244	12.2083685	0.00014386	No
Pcdh19	0.09097	0.012671	-0.078299	4.44E-05	No	Ccdc82	32.0301	5.91524	-2.43692	32.0311	5.91624	-2.4367209	0.00014386	No
Pcdh7	0.25842	0.15554	-0.10288	0.01320709	No	Ccdc88b	50.5628	4.68157	-3.43301	50.5638	4.68257	-3.4327324	0.00014386	No
Pcdh8	0.12375	0.043639	-0.080111	2.26E-12	No	Ccdc88c	32.1696	8.03128	-2.002	32.1706	8.03228	-2.0018614	0.00014386	No
Pcdh9	0.040154	0.19347	0.153316	3.52E-05	No	Ccdc90b	10.7084	24.4148	1.18902	10.7094	24.4158	1.1889374	0.00014386	No
Pcdha9	0.39991	0.22944	-0.17047	3.41E-06	No	Ccdc91	16.6409	27.0738	0.70216	16.6419	27.0748	0.70213053	0.00014386	No
Pcdhac1	0.35009	0.18709	-0.163	0.00902244	No	Ccdc92	0.779336	7.27052	3.22174	0.780336	7.27152	3.22008961	0.00014386	No
Pcdhac2	0.15773	0.051633	-0.106097	0.00014055	No	Ccdc94	25.5937	12.7987	-0.999793	25.5947	12.7997	-0.9997351	0.00014386	No
Pcdhga10	0.55435	0.35094	-0.20341	0.00014055	No	Ccdc97	111.472	53.2487	-1.06587	111.473	53.2497	-1.065849	0.00014386	No
Pcdhga12	0.555	0.32543	-0.22957	0.00011494	No	Cchr1	7.7766	26.2234	1.75365	7.7776	26.2244	1.75351282	0.00014386	No
Pcdhga2	0.4625	0.37132	-0.09118	0.02094681	No	Ccl3	23.2476	52.4534	1.17396	23.2486	52.4544	1.17391995	0.00014386	No
Pcdhga3	0.56619	0.36309	-0.2031	0.00017371	No	Ccl4	5.59384	12.8301	1.19762	5.59484	12.8311	1.19747608	0.00014386	No
Pcdhga8	0.62033	0.34204	-0.27829	1.51E-05	No	Ccl5	259.601	92.1391	-1.49441	259.602	92.1401	-1.4944004	0.00014386	No
Pcdhgb7	0.53288	0.3956	-0.13728	0.00770116	No	Ccl6	1.1656	4.48644	1.9445	1.1666	4.48744	1.94358267	0.00014386	No
Pclo	0.13644	0.028361	-0.108079	6.06E-05	No	Ccl9	0.725559	18.4954	4.67193	0.726559	18.4964	4.67002074	0.00014386	No
Pcsk1n	0.094627	0.016871	-0.077756	0.0003366	No	Ccm2	76.5457	26.0587	-1.55456	76.5467	26.0597	-1.5545197	0.00014386	No
Pcsk2	0.091528	0.026345	-0.065183	0.00087121	No	Ccnc	20.789	9.35169	-1.15252	20.79	9.35269	-1.1524365	0.00014386	No
Pcsk9	0.3302	0.086698	-0.243502	2.08E-06	No	Ccnd1	0.0885675	83.4851	9.88053	0.0895675	83.4861	9.86434496	0.00014386	No
Pdcl	0.74428	0.63695	-0.10733	0.02346238	No	CCND2	13.4329	1.59572	-3.07349	13.4339	1.59672	-3.0726949	0.00014386	No
Pde10a	0.18905	0.10153	-0.08752	0.00113573	No	Ccnd3	56.4753	29.5995	-0.932048	56.4763	29.6005	-0.932024	0.00014386	No
Pde11a	0.79554	0.49326	-0.30228	2.23E-05	No	Ccng2	32.3454	14.0953	-1.19835	32.3464	14.0963	-1.1982886	0.00014386	No
Pde1b	0.30813	0.081156	-0.226974	0.00334552	No	CCNJ	6.27615	2.00008	-1.64982	6.27715	2.00108	-1.6493308	0.00014386	No
Pde3a	0.12805	0.03475	-0.0933	0.00501738	No	Ccnjl	3.24942	0.540482	-2.58786	3.25042	0.541482	-2.5856409	0.00014386	No
Pde6c	0.69754	0.81301	0.11547	0.00533667	No	Ccnk	23.2959	14.6872	-0.665523	23.2969	14.6882	-0.6654804	0.00014386	No
Pdia5	0.10901	0.049445	-0.059565	0.01387459	No	Ccnl1	149.43	45.1045	-1.72812	149.431	45.1055	-1.7281042	0.00014386	No
Pdx1	0.18849	0.028376	-0.160114	0.00025822	No	CCNL2	163.994	69.482	-1.23893	163.995	69.483	-1.2389199	0.00014386	No
Peg12	0.16407	0.082388	-0.081682	0.00065829	No	Ccnt2	30.4986	6.75018	-2.17574	30.4996	6.75118	-2.1755787	0.00014386	No
Pelo	0.080707	0.0079365	-0.0727705	0.00038568	No	Ccp110	5.73132	2.46591	-1.21675	5.73232	2.46691	-1.2164141	0.00014386	No
Perp	0.37709	0.101	-0.27609	0.00018974	No	Ccp1	86.9206	25.1892	-1.78689	86.9216	25.1902	-1.7868522	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Pex5l	0.07371	0.021115	-0.052595	2.98E-08	No	Ccpg1os	3.67884	22.0058	2.58056	3.67984	22.0068	2.58023443	0.00014386	No
Pgc	0.78386	0.69395	-0.08991	0.04412687	No	Ccr5	3.3286	1.2055	-1.46529	3.3296	1.2065	-1.464521	0.00014386	No
Pgp	0.24044	0.044362	-0.196078	2.28E-12	No	Ccr6	7.5248	1.0565	-2.83236	7.5258	1.0575	-2.8311873	0.00014386	No
Phf13	0.19994	0.058334	-0.141606	0.01120909	No	Ccr7	388.133	1.38328	-8.13231	388.134	1.38428	-8.1312752	0.00014386	No
Phldb3	0.29426	0.12972	-0.16454	0.02346238	No	Ccr9	21.2573	0.0712638	-8.22058	21.2583	0.0722638	-8.2005374	0.00014386	No
Phox2a	0.23331	0.064595	-0.168715	1.27E-05	No	Ccrl2	0.258121	2.74511	3.41075	0.259121	2.74611	3.40569157	0.00014386	No
Pif1	0.0081861	0.11441	0.1062239	2.15E-12	No	Ccsap	11.6667	0.885511	-3.71974	11.6677	0.886511	-3.7182379	0.00014386	No
Pih1d3	0.14562	0.039586	-0.106034	0.00024364	No	Ccser1	0.240935	2.09365	3.1193	0.241935	2.09465	3.1140178	0.00014386	No
Pinlyp	0.91052	0.6451	-0.26542	0.0007877	No	Ccser2	5.25763	10.6869	1.02336	5.25863	10.6879	1.02321952	0.00014386	No
Pkp1	0.07547	0.019571	-0.055899	2.31E-05	No	Cct2	141.905	82.4035	-0.784153	141.906	82.4045	-0.7841406	0.00014386	No
Pkp3	0.85709	0.11153	-0.74556	1.47E-10	No	Cct3	162.746	111.488	-0.545731	162.747	111.489	-0.5457296	0.00014386	No
Pla1a	0.14199	0.35729	0.2153	0.01832913	No	Cct4	195.846	96.7954	-1.01671	195.847	96.7964	-1.0167017	0.00014386	No
Pla2g3	0.74942	0.61405	-0.13537	0.01559789	No	Cct5	276.715	139.637	-0.98672	276.716	139.638	-0.9867145	0.00014386	No
Pla2r1	0.44719	0.24882	-0.19837	0.01387459	No	Cct6a	69.7561	53.1132	-0.393248	69.7571	53.1142	-0.3932424	0.00014386	No
Plagl1	0.32035	0.15736	-0.16299	2.15E-12	No	Cct7	128.263	73.0764	-0.811629	128.264	73.0774	-0.8116191	0.00014386	No
Plaur	0.089206	0.029324	-0.059882	0.01559789	No	Cct8	114.768	66.9034	-0.778563	114.769	66.9044	-0.77856	0.00014386	No
Plcd3	0.084488	0.0131	-0.071388	0.00103522	No	Ccz1	37.086	24.4514	-0.600959	37.087	24.4524	-0.6009375	0.00014386	No
Plek2	0.33958	0.077819	-0.261761	0.00123297	No	Cd14	0.474947	9.09577	4.25936	0.475947	9.09677	4.25648154	0.00014386	No
Plk1	0.0025208	0.082983	0.0804622	2.23E-05	No	Cd163l1	0.794198	0	-inf	0.795198	0.001	-9.6351703	0.00014386	No
Plip	0.14364	0.046588	-0.097052	0.00781609	No	Cd1d1	17.5668	3.38874	-2.37403	17.5678	3.38974	-2.373687	0.00014386	No
Plpp4	0.065119	0.009047	-0.056072	0.01289082	No	Cd2	325.838	16.3189	-4.31954	325.839	16.3199	-4.3194552	0.00014386	No
Plpp6	0.084295	0.005155	-0.07914	2.99E-06	No	Cd200	3.80164	10.6036	1.47986	3.80264	10.6046	1.47961694	0.00014386	No
Plpp7	0.69672	0.28092	-0.4158	1.33E-06	No	Cd200r1	7.41336	0.660778	-3.48789	7.41436	0.661778	-3.4859029	0.00014386	No
Plppr5	0.075672	0.015379	-0.060293	2.15E-12	No	Cd22	5.99891	0.486074	-3.62545	5.99991	0.487074	-3.622728	0.00014386	No
Plscr3	0.9054	0.59787	-0.30753	4.33E-06	No	Cd226	21.6404	0.458466	-5.56077	21.6414	0.459466	-5.5576919	0.00014386	No
Plxna2	0.12054	0.047283	-0.073257	0.00281863	No	Cd247	302.614	8.03917	-5.23429	302.615	8.04017	-5.2341137	0.00014386	No
Plxb2	0.14091	0.0026205	-0.1382895	6.50E-07	No	Cd27	246.992	5.01743	-5.62137	246.993	5.01843	-5.6210903	0.00014386	No
Pmaip1	0.52289	0.23463	-0.28826	3.92E-12	No	Cd274	17.583	1.2201	-3.84911	17.584	1.2211	-3.84801	0.00014386	No
Pnck	0.71945	0.5777	-0.14175	0.04412687	No	Cd28	115.974	2.47919	-5.54779	115.975	2.48019	-5.5472194	0.00014386	No
Pnkp	0.3061	0.084885	-0.221215	0.00533667	No	Cd300a	1.04804	5.61215	2.42086	1.04904	5.61315	2.41974092	0.00014386	No
Pnma1	0.92118	0.74615	-0.17503	0.00031293	No	Cd302	0.982061	7.78122	2.98611	0.983061	7.78222	2.98482892	0.00014386	No
Pnmt	0.18942	0.46648	0.27706	1.73E-05	No	Cd320	77.7178	285.693	1.87815	77.7188	285.694	1.87813521	0.00014386	No
Pnpla1	0.50098	0.13635	-0.36463	1.27E-05	No	Cd36	0.181367	1.56122	3.10569	0.182367	1.56222	3.09868104	0.00014386	No
Polg	0.87893	0.77573	-0.1032	0.02220995	No	Cd3d	779.757	22.6908	-5.10285	779.758	22.6918	-5.1027835	0.00014386	No
Polg2	0.37899	0.03428	-0.34471	0.00087121	No	Cd3e	821.701	20.4936	-5.32537	821.702	20.4946	-5.3252995	0.00014386	No
Pou2f3	0.072104	0.014286	-0.057818	0.00173557	No	Cd3eap	11.2011	40.4561	1.85271	11.2021	40.4571	1.8526237	0.00014386	No
Pou3f2	0.18518	0.020274	-0.164906	1.98E-05	No	Cd3g	1339.4	36.1745	-5.21047	1339.401	36.1755	-5.2104312	0.00014386	No
Pou4f2	0.064893	0.011869	-0.053024	3.15E-05	No	Cd4	132.994	4.22624	-4.97584	132.995	4.22724	-4.9755122	0.00014386	No
Ppara	0.23386	0.082373	-0.151487	0.00010321	No	Cd40	0.919108	10.899	3.56781	0.920108	10.9	3.56638111	0.00014386	No
Ppfia2	0.14641	0.034047	-0.112363	3.76E-05	No	Cd40lg	129.152	0.7312	-7.46459	129.153	0.7322	-7.4626277	0.00014386	No
Ppfia3	0.10821	0.023272	-0.084938	0.00025822	No	Cd44	119.282	15.3979	-2.95357	119.283	15.3989	-2.9534892	0.00014386	No
Ppm1n	0.078119	0.017659	-0.06046	0.00031293	No	Cd47	99.2204	18.8037	-2.39962	99.2214	18.8047	-2.399558	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ppp1r14a	0.72385	0.34923	-0.37462	1.70E-08	No	Cd48	189.371	43.3046	-2.12862	189.372	43.3056	-2.1285975	0.00014386	No
Ppp1r14b	0.3438	0.18817	-0.15563	1.18E-06	No	Cd5	13.7294	0.37396	-5.19824	13.7304	0.37496	-5.1944931	0.00014386	No
Ppp1r3d	0.3583	0.074085	-0.284215	2.15E-12	No	Cd53	411.139	9.58036	-5.4234	411.14	9.58136	-5.4232555	0.00014386	No
Prim2	0.77956	0.62933	-0.15023	0.00103522	No	Cd55	0.946723	2.64303	1.48118	0.947723	2.64403	1.48020119	0.00014386	No
Prkcdbp	0.58256	0.36852	-0.21404	0.00010637	No	Cd59	1.61297	155.065	6.58701	1.61397	155.066	6.58612482	0.00014386	No
Prkce	0.2173	0.020354	-0.196946	2.15E-12	No	Cd6	134.293	13.4929	-3.31511	134.294	13.4939	-3.3150156	0.00014386	No
Prkd1	0.13155	0.035396	-0.096154	0.00188523	No	Cd63	5.71558	597.053	6.70681	5.71658	597.054	6.70656531	0.00014386	No
Prmt8	0.1296	0.028607	-0.100993	4.71E-07	No	Cd68	2.03985	7.18129	1.81578	2.04085	7.18229	1.81527376	0.00014386	No
Proca1	0.081541	0.021623	-0.059918	3.41E-06	No	Cd69	131.367	9.01328	-3.8654	131.368	9.01428	-3.8652578	0.00014386	No
Prpf31	0.46697	0.27354	-0.19343	4.12E-07	No	Cd74	223.853	310.598	0.472496	223.854	310.599	0.47249509	0.00014386	No
Prss32	0.562	0.28059	-0.28141	0.00265064	No	Cd79b	30.1274	2.09458	-3.84634	30.1284	2.09558	-3.8457026	0.00014386	No
Prss33	0.7793	0.61851	-0.16079	0.02967027	No	Cd81	112.724	168.552	0.580404	112.725	168.553	0.5803948	0.00014386	No
Prss34	0.74706	0.54337	-0.20369	0.01387459	No	Cd84	14.4731	1.83929	-2.97615	14.4741	1.84029	-2.9754686	0.00014386	No
Prss41	0.81483	0.66334	-0.15149	0.00418734	No	Cd8b	98.5075	3.42425	-4.84638	98.5085	3.42525	-4.845967	0.00014386	No
Prtfdc1	0.092188	0.026217	-0.065971	0.00188523	No	Cd9	21.8433	121.124	2.47121	21.8443	121.125	2.47116789	0.00014386	No
Psapl1	0.74094	0.56098	-0.17996	0.0247155	No	Cd93	0.0644626	2.20456	5.09589	0.0654626	2.20556	5.07433029	0.00014386	No
Psd	0.64842	0.46318	-0.18524	0.00229548	No	Cd96	47.0854	2.81203	-4.06559	47.0864	2.81303	-4.0651136	0.00014386	No
Psmas8	0.87268	0.71613	-0.15655	1.04E-05	No	Cd97	168.927	13.8334	-3.61017	168.928	13.8344	-3.6100765	0.00014386	No
Ptchd1	0.062579	0	-0.062579	0.01120909	No	Cd99	36.8543	363.937	3.30379	36.8553	363.938	3.30374869	0.00014386	No
Ptf1a	0.10182	0.025047	-0.076773	2.18E-08	No	CDADC1	18.6042	25.1098	0.432624	18.6052	25.1108	0.43260209	0.00014386	No
Ptgdr	0.13637	0.054609	-0.081761	0.00050175	No	Cdc14a	7.1028	4.22304	-0.750107	7.1038	4.22404	-0.7499675	0.00014386	No
Ptgds	0.90873	0.64251	-0.26622	0.00011494	No	Cdc14b	5.97635	18.554	1.63439	5.97735	18.555	1.63423007	0.00014386	No
Ptgr1	0.084577	0.022116	-0.062461	0.00095533	No	Cdc23	25.0548	12.2881	-1.02782	25.0558	12.2891	-1.0277653	0.00014386	No
Pth2	0.19157	0.035504	-0.156066	3.09E-06	No	Cdc25a	3.22242	5.0387	0.644907	3.22342	5.0397	0.64474568	0.00014386	No
Pth2r	0.069894	0.014736	-0.055158	2.18E-08	No	Cdc25b	108.126	2.82979	-5.25588	108.127	2.83079	-5.2553783	0.00014386	No
Ptma	0.42373	0.32953	-0.0942	0.00038568	No	Cdc25c	3.97369	1.0413	-1.93209	3.97469	1.0423	-1.9310718	0.00014386	No
Ptpn14	0.19032	0.034294	-0.156026	6.17E-07	No	Cdc26	28.6632	15.914	-0.848907	28.6642	15.915	-0.8488629	0.00014386	No
Ptprn	0.082485	0.018173	-0.064312	0.00123297	No	Cdc27	8.19812	5.34669	-0.616648	8.19912	5.34769	-0.6165532	0.00014386	No
Ptx3	0.01148	0.081835	0.070355	0.00179845	No	Cdc40	16.7984	10.8604	-0.629243	16.7994	10.8614	-0.6291996	0.00014386	No
Purg	0.34138	0.047001	-0.294379	3.70E-08	No	Cdc42	623.268	225.294	-1.46805	623.269	225.295	-1.4680397	0.00014386	No
Pvrl2	0.33974	0.16782	-0.17192	0.00281863	No	Cdc42bpa	0.0938667	6.10117	6.02233	0.0948667	6.10217	6.0072768	0.00014386	No
Pwwp2b	0.1025	0.20252	0.10002	0.00118	No	Cdc42bpg	2.93346	15.4349	2.39552	2.93446	15.4359	2.39512265	0.00014386	No
Rab34	0.56199	0.077451	-0.484539	1.47E-07	No	Cdc42ep4	0.272515	7.76718	4.83298	0.273515	7.76818	4.82788477	0.00014386	No
Rab36	0.8614	0.59134	-0.27006	8.22E-05	No	Cdc42se1	228.862	107.274	-1.09318	228.863	107.275	-1.0931703	0.00014386	No
Rad23b	0.068427	0.010317	-0.05811	0.00501738	No	Cdc42se2	163.83	27.3698	-2.58154	163.831	27.3708	-2.5814989	0.00014386	No
Radil	0.058178	0.0028096	-0.0553684	1.16E-05	No	Cdc5l	36.0407	22.0289	-0.710232	36.0417	22.0299	-0.7102041	0.00014386	No
Rai1	0.56741	0.19975	-0.36766	2.00E-06	No	Cdc6	0.552829	12.696	4.52139	0.553829	12.697	4.51890325	0.00014386	No
Rasef	0.16614	0.041108	-0.125032	2.15E-12	No	Cdca3	1.26215	5.16038	2.0316	1.26315	5.16138	2.03073088	0.00014386	No
Rasgef1c	0.039925	0.44391	0.403985	6.75E-07	No	Cdca4	7.18163	2.01168	-1.83591	7.18263	2.01268	-1.8353944	0.00014386	No
Rasgrp4	0.77659	0.55492	-0.22167	0.01025068	No	Cdca7	5.94363	0.627558	-3.24352	5.94463	0.628558	-3.2414692	0.00014386	No
Rasl10b	0.0094969	0.32511	0.3156131	2.32E-06	No	Cdca7l	29.1693	3.56181	-3.03377	29.1703	3.56281	-3.0334128	0.00014386	No
Rassf4	0.088932	0.0083565	-0.0805755	0.00065829	No	Cdh1	0.0990399	29.1409	8.20082	0.1000399	29.1419	8.18637561	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Rax	0.14496	0.047998	-0.096962	0.0038486	No	Cdh16	0.116169	374.713	11.6553	0.117169	374.714	11.6429832	0.00014386	No
Rbfox3	0.7643	0.19521	-0.56909	2.16E-09	No	Cdhr1	0.41826	2.57616	2.62275	0.41926	2.57716	2.61986501	0.00014386	No
Rbm24	0.73463	0.63107	-0.10356	0.00976507	No	Cdhr2	0.133683	2.3234	4.11935	0.134683	2.3244	4.10921869	0.00014386	No
Rbm46	0.21077	0.021528	-0.189242	1.98E-05	No	Cdip1	10.2011	27.2916	1.41973	10.2021	27.2926	1.41964369	0.00014386	No
Rcor2	0.23643	0.11673	-0.1197	3.31E-07	No	Cdk1	1.44341	6.38809	2.14591	1.44441	6.38909	2.14513015	0.00014386	No
Rdh10	0.23331	0.021877	-0.211433	5.41E-06	No	Cdk11b	94.2331	59.5281	-0.662662	94.2341	59.5291	-0.6626541	0.00014386	No
Reln	0.080492	0.026541	-0.053951	1.73E-05	No	CDK12	24.481	6.88506	-1.83012	24.482	6.88606	-1.8299708	0.00014386	No
Rem1	0.47624	0.14371	-0.33253	8.74E-08	No	Cdk13	40.3128	8.78955	-2.19738	40.3138	8.79055	-2.1972484	0.00014386	No
Retn	0.66813	0.35788	-0.31025	6.06E-05	No	Cdk17	16.8355	5.51122	-1.61106	16.8365	5.51222	-1.6108869	0.00014386	No
RGD1309036	0.69587	0.50444	-0.19143	0.00418734	No	Cdk18	0	17.8694	inf	0.001	17.8704	14.1252843	0.00014386	No
RGD1309049	0.98283	0.90935	-0.07348	0.00014347	No	Cdk19	29.5602	8.73287	-1.75913	29.5612	8.73387	-1.7590119	0.00014386	No
RGD1309362	0.95588	0.74942	-0.20646	5.28E-07	No	Cdk2	28.0802	5.49836	-2.35248	28.0812	5.49936	-2.352269	0.00014386	No
RGD1310587	0.74484	0.17006	-0.57478	4.71E-07	No	Cdk20	7.76414	12.5042	0.687515	7.76514	12.5052	0.68744429	0.00014386	No
RGD1311946	0.089194	0.017985	-0.071209	0.00040757	No	Cdk2ap2	70.2152	134.957	0.942641	70.2162	134.958	0.94263467	0.00014386	No
RGD1359334	0.8133	0.76038	-0.05292	0.00892199	No	Cdk5rap1	17.4795	35.2075	1.01022	17.4805	35.2085	1.01017731	0.00014386	No
RGD1560108	0.90855	0.28496	-0.62359	2.15E-12	No	Cdk9	97.0528	49.4719	-0.972161	97.0538	49.4729	-0.9721462	0.00014386	No
RGD1560394	0.66737	0.47964	-0.18773	0.01268638	No	Cdkl1	0.0897891	548.488	12.5766	0.0907891	548.489	12.560656	0.00014386	No
RGD1561149	0.75902	0.070422	-0.688598	9.55E-08	No	Cdkl2	0.0756145	1.04151	3.78387	0.0766145	1.04251	3.76629995	0.00014386	No
RGD1561870	0.52357	0.27657	-0.247	0.00976507	No	Cdkn1a	0.120898	8.44607	6.12641	0.121898	8.44707	6.11470465	0.00014386	No
RGD1562114	0.89312	0.11057	-0.78255	2.15E-12	No	Cdkn1b	226.4	40.1418	-2.49569	226.401	40.1428	-2.4956672	0.00014386	No
RGD1562726	0.5806	0.095349	-0.485251	3.12E-09	No	Cdkn2aip	16.8453	8.46599	-0.992592	16.8463	8.46699	-0.9925107	0.00014386	No
RGD1563072	0.09898	0.026763	-0.072217	4.21E-12	No	Cdkn2aipnl	52.9328	35.3383	-0.582931	52.9338	35.3393	-0.5829158	0.00014386	No
RGD1563348	0.47147	0.36111	-0.11036	0.00045631	No	Cdo1	0.174316	19.5093	6.80631	0.175316	19.5103	6.79813448	0.00014386	No
RGD1564053	0.11019	0.027026	-0.083164	0.00018974	No	Cdr2	1.7238	24.2296	3.8131	1.7248	24.2306	3.81232914	0.00014386	No
RGD1564345	0.90777	0.8336	-0.07417	0.01206268	No	Cds2	21.8648	11.3956	-0.940136	21.8658	11.3966	-0.9400727	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
RGD1564482	0.75032	0.2832	-0.46712	9.44E-05	No	Cdt1	2.58818	1.12413	-1.20313	2.58918	1.12513	-1.2024036	0.00014386	No
RGD1565611	0.23621	0.091868	-0.144342	0.00093244	No	Cdv3	48.247	20.8066	-1.21339	48.248	20.8076	-1.2133586	0.00014386	No
RGD1566239	0.88302	0.35849	-0.52453	4.71E-07	No	Cdyl	7.94033	4.65384	-0.770778	7.94133	4.65484	-0.7706491	0.00014386	No
RGD1566401	0.52746	0.32242	-0.20504	1.40E-05	No	Cdyl2	7.13835	0.882105	-3.01657	7.13935	0.883105	-3.0151358	0.00014386	No
Rgn	0.53334	0.065503	-0.467837	7.53E-11	No	Ceacam1	0.838159	4.94332	2.56018	0.839159	4.94432	2.55875602	0.00014386	No
Rgs20	0.11808	0.040414	-0.077666	0.00781609	No	Cebpa	0.339786	5.80654	4.09498	0.340786	5.80754	4.09098921	0.00014386	No
Rhbd1	0.29907	0.072839	-0.226231	1.85E-07	No	Cebpz	37.1082	13.5971	-1.44844	37.1092	13.5981	-1.4483718	0.00014386	No
Rhoc	0.64786	0.056842	-0.591018	5.96E-07	No	Cecr5	15.5287	9.91861	-0.646727	15.5297	9.91961	-0.6466747	0.00014386	No
Rhoh	0.063468	0.41469	0.351222	1.28E-06	No	Celf1	39.3491	22.5581	-0.802684	39.3501	22.5591	-0.8026578	0.00014386	No
Ric3	0.083946	0.033023	-0.050923	0.00113573	No	Celf2	54.5088	4.26323	-3.67647	54.5098	4.26423	-3.6761585	0.00014386	No
Rin1	0.51304	0.14712	-0.36592	1.18E-07	No	Cenpb	30.5405	46.9076	0.619097	30.5415	46.9086	0.61908152	0.00014386	No
Ripk4	0.13681	0.026087	-0.110723	9.98E-06	No	Cenpc	7.55409	3.44388	-1.13322	7.55509	3.44488	-1.1329952	0.00014386	No
Rmrp	0.30855	0.22927	-0.07928	0.01120909	No	Cenpf	0.266255	0.767799	1.52792	0.267255	0.768799	1.52438952	0.00014386	No
Rn45s	0.30063	0.13022	-0.17041	4.71E-07	No	Cenpj	27.2654	13.4753	-1.01675	27.2664	13.4763	-1.0166998	0.00014386	No
Rn5-8s	0.46478	0.18446	-0.28032	8.46E-07	No	Cenpn	3.0456	7.86937	1.36952	3.0466	7.87037	1.36923137	0.00014386	No
Rn7sl1	0.47919	0.19776	-0.28143	2.15E-12	No	Cenpo	6.05067	1.37104	-2.14183	6.05167	1.37204	-2.1410108	0.00014386	No
Rnase17	0.66159	0.3364	-0.32519	0.0024744	No	Cenpp	1.41991	21.2918	3.90643	1.42091	21.2928	3.90547859	0.00014386	No
Rnaset2	0.27424	0.035022	-0.239218	7.96E-06	No	Cenpv	7.21491	29.6843	2.04065	7.21591	29.6853	2.04049544	0.00014386	No
Rnf113a2	0.2816	0.11451	-0.16709	8.74E-06	No	Cep104	5.095	15.237	1.58043	5.096	15.238	1.58023638	0.00014386	No
Rnf126	0.25841	0.095517	-0.162893	0.00093244	No	Cep120	18.1813	6.37801	-1.51127	18.1823	6.37901	-1.5111303	0.00014386	No
Rnf151	0.86112	0.66394	-0.19718	0.0007877	No	Cep135	2.62704	0.620854	-2.08111	2.62804	0.621854	-2.0793394	0.00014386	No
Rnf186	0.90869	0.32383	-0.58486	2.60E-10	No	Cep152	3.24223	0.858634	-1.91687	3.24323	0.859634	-1.9156369	0.00014386	No
Rnf225	0.23835	0.10118	-0.13717	1.94E-07	No	CEP170	6.37187	0.876094	-2.86256	6.37287	0.877094	-2.8611399	0.00014386	No
Rnf39	0.076538	0.025167	-0.051371	0.04638126	No	Cep170b	2.28378	16.01	2.80948	2.28478	16.011	2.80893626	0.00014386	No
Rnf8	0.87379	0.58996	-0.28383	2.46E-09	No	Cep19	12.7368	29.3145	1.20261	12.7378	29.3155	1.20254754	0.00014386	No
Robo2	0.26336	0.058637	-0.204723	3.41E-06	No	Cep250	14.2186	7.15693	-0.990365	14.2196	7.15793	-0.9902665	0.00014386	No
Robo4	0.76571	0.64446	-0.12125	0.01289082	No	Cep350	10.4553	2.87652	-1.86184	10.4563	2.87752	-1.8614746	0.00014386	No
Rogdi	0.70364	0.061881	-0.641759	5.28E-07	No	Cep41	7.53329	1.07041	-2.81511	7.53429	1.07141	-2.8139609	0.00014386	No
Rom1	0.22165	0.022212	-0.199438	4.71E-07	No	Cep57l1	13.093	7.76432	-0.75386	13.094	7.76532	-0.7537886	0.00014386	No
Ropn1	0.68838	0.25524	-0.43314	1.28E-06	No	Cep70	2.36409	11.3847	2.26775	2.36509	11.3857	2.267256	0.00014386	No
Ror2	0.42618	0.16096	-0.26522	2.99E-06	No	Cep85	14.3846	5.773	-1.31713	14.3856	5.774	-1.3169824	0.00014386	No
Rsph6a	0.93954	0.63948	-0.30006	6.72E-08	No	Cep85l	3.87902	0.474101	-3.03242	3.88002	0.475101	-3.0297579	0.00014386	No
Rspo2	0.07136	0.013811	-0.057549	2.23E-05	No	Cep89	4.36419	14.3265	1.7149	4.36519	14.3275	1.71467054	0.00014386	No
RT1-Db2	0.13518	0.37395	0.23877	0.00065829	No	Cep95	60.7589	16.7956	-1.85501	60.7599	16.7966	-1.8549503	0.00014386	No
RT1-M5	0.089783	0.036687	-0.053096	0.00050175	No	Cep97	11.2557	2.55052	-2.14178	11.2567	2.55152	-2.1413551	0.00014386	No
Rtn4r1	0.11084	0.012759	-0.098081	1.42E-05	No	Cerk	39.3397	3.24402	-3.60013	39.3407	3.24502	-3.5997234	0.00014386	No
Rxfp3	0.53872	0.38858	-0.15014	0.00139382	No	Cers2	29.4667	66.6716	1.17799	29.4677	66.6726	1.17795953	0.00014386	No
S1pr4	0.19622	0.59145	0.39523	1.41E-11	No	Cers5	42.4075	14.6161	-1.53677	42.4085	14.6171	-1.5366963	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sall1	0.083872	0.017717	-0.066155	1.98E-05	No	Ces1d	0	8.59534	inf	0.001	8.59634	13.0695068	0.00014386	No
Sall3	0.8021	0.5502	-0.2519	0.00022001	No	Ces1e	0	10.4149	inf	0.001	10.4159	13.3464999	0.00014386	No
Samd14	0.2918	0.097031	-0.194769	5.00E-06	No	CES2C	0.00622797	9.02653	10.5012	0.00722797	9.02753	10.2865251	0.00014386	No
Scarf2	0.38929	0.11582	-0.27347	0.0024744	No	Ces2g	0	6.39332	inf	0.001	6.39432	12.6425752	0.00014386	No
Scn2b	0.27274	0.13369	-0.13905	0.00160533	No	CES2H	0	4.43075	inf	0.001	4.43175	12.1136608	0.00014386	No
Scn4a	0.58925	0.2035	-0.38575	7.60E-06	No	Cesl1	0.00671913	65.6917	13.2551	0.00771913	65.6927	13.0550072	0.00014386	No
Scn5a	0.097266	0.02725	-0.070016	0.00132879	No	Cetn2	57.2275	96.4805	0.753528	57.2285	96.4815	0.75351854	0.00014386	No
Scrt1	0.13976	0.043172	-0.096588	0.00020718	No	Cetn4	0.325419	4.46521	3.77836	0.326419	4.46621	3.77425415	0.00014386	No
Scube1	0.069	0.0107	-0.0583	0.03461603	No	Cfh	0.15643	2.56109	4.03317	0.15743	2.56209	4.02453876	0.00014386	No
Scube3	0.80937	0.55344	-0.25593	8.54E-05	No	Cfi	0	1.71495	inf	0.001	1.71595	10.7447918	0.00014386	No
Sdr42e1	0.41102	0.29362	-0.1174	0.0083162	No	Cfl1	1652.34	580.635	-1.50881	1652.341	580.636	-1.5088055	0.00014386	No
Selv	0.026792	0.090667	0.063875	0.00334552	No	Cfl2	3.45526	26.4341	2.93553	3.45626	26.4351	2.93517113	0.00014386	No
Sema3e	0.1194	0.022418	-0.096982	2.65E-06	No	CFLAR	110.521	24.3531	-2.18214	110.522	24.3541	-2.182097	0.00014386	No
Senp3	0.76338	0.49642	-0.26696	0.00501738	No	Cfp	5.2808	17.5156	1.72981	5.2818	17.5166	1.72962119	0.00014386	No
Serpinh1	0.54792	0.084054	-0.463866	2.32E-06	No	Cggbp1	46.6944	12.8261	-1.86417	46.6954	12.8271	-1.8640854	0.00014386	No
Sertad4	0.42295	0.64611	0.22316	0.00501738	No	Cgnl1	46.1289	186.423	2.01484	46.1299	186.424	2.01481353	0.00014386	No
Sez6	0.079611	0.02616	-0.053451	0.00103522	No	Cgrrf1	15.4111	25.6223	0.733427	15.4121	25.6233	0.73339284	0.00014386	No
Sez6l	0.2509	0.059152	-0.191748	1.70E-08	No	Ch25h	0.204477	2.33184	3.51145	0.205477	2.33284	3.50503854	0.00014386	No
Sfrp1	0.070911	0.016297	-0.054614	2.15E-12	No	Chadl	0.0399781	2.26576	5.82464	0.0409781	2.26676	5.78963475	0.00014386	No
Sfrp5	0.084516	0.020396	-0.06412	0.00031293	No	Chaf1b	1.47089	8.23314	2.48475	1.47189	8.23414	2.48394812	0.00014386	No
Sftpa1	0.97962	0.51711	-0.46251	4.71E-07	No	Chchd10	46.9906	1194.34	4.6677	46.9916	1194.341	4.6676681	0.00014386	No
Sgcd	0.76777	0.64059	-0.12718	0.04412687	No	Chchd4	7.77633	21.7269	1.48232	7.77733	21.7279	1.48220188	0.00014386	No
Sh2b2	0.21401	0.040101	-0.173909	1.24E-06	No	Chchd6	7.90979	19.8852	1.32998	7.91079	19.8862	1.32987394	0.00014386	No
Sh2d4a	0.080163	0.020735	-0.059428	0.00205129	No	Chd1	44.2716	6.74867	-2.71371	44.2726	6.74967	-2.7135252	0.00014386	No
Sh3bp2	0.08059	0.024175	-0.056415	0.00770116	No	Chd1l	14.4633	44.7841	1.63058	14.4643	44.7851	1.63052232	0.00014386	No
Shc1	0.28995	0.14006	-0.14989	0.04638126	No	Chd2	242.267	41.4266	-2.54797	242.268	41.4276	-2.5479397	0.00014386	No
Shcbp1l	0.33779	0.1828	-0.15499	0.01049788	No	Chd3	175.278	19.965	-3.1341	175.279	19.966	-3.1340359	0.00014386	No
Shd	0.91696	0.43556	-0.4814	3.33E-11	No	Chd4	91.2345	41.9696	-1.12024	91.2355	41.9706	-1.1202162	0.00014386	No
Shisa6	0.079538	0.012643	-0.066895	0.00205129	No	Chd6	21.0044	6.6664	-1.65571	21.0054	6.6674	-1.6555641	0.00014386	No
Sim2	0.14849	0.024053	-0.124437	4.76E-05	No	Chd7	7.60679	2.26292	-1.7491	7.60779	2.26392	-1.7486544	0.00014386	No
Sipa1l2	0.13558	0.046952	-0.088628	9.44E-05	No	Chd8	36.5394	12.429	-1.55574	36.5404	12.43	-1.5556661	0.00014386	No
Sirt4	0.77797	0.2458	-0.53217	1.12E-06	No	Chek1	3.85713	1.4001	-1.462	3.85813	1.4011	-1.4613418	0.00014386	No
Six1	0.09095	0.021282	-0.069668	0.00533667	No	Chek2	4.17439	2.00818	-1.05568	4.17539	2.00918	-1.0553041	0.00014386	No
Six2	0.087066	0.015419	-0.071647	1.57E-05	No	Cherp	38.4334	23.5661	-0.70565	38.4344	23.5671	-0.7056239	0.00014386	No
Six6	0.16312	0.059737	-0.103383	0.00533667	No	Chfr	22.7078	7.08238	-1.68088	22.7088	7.08338	-1.6807416	0.00014386	No
Slc10a4	0.12275	0.036409	-0.086341	8.87E-05	No	Chic2	68.0723	13.6659	-2.31648	68.0733	13.6669	-2.316403	0.00014386	No
Slc10a6	0.81564	0.57534	-0.2403	0.00058998	No	Chit1	0	1.17073	inf	0.001	1.17173	10.1944245	0.00014386	No
Slc12a4	0.31227	0.1009	-0.21137	0.00902244	No	Chka	8.47898	19.4568	1.19831	8.47998	19.4578	1.19821583	0.00014386	No
Slc12a5	0.087286	0.00621	-0.081076	4.76E-05	No	Chm	14.4375	3.82721	-1.91545	14.4385	3.82821	-1.915179	0.00014386	No
Slc13a2	0.092343	0.01206	-0.080283	1.12E-05	No	Chmp2a	153.238	286.712	0.903825	153.239	286.713	0.9038238	0.00014386	No
Slc13a3	0.82986	0.41145	-0.41841	1.28E-06	No	Chmp2b	9.43332	21.8323	1.21063	9.43432	21.8333	1.21053976	0.00014386	No
Slc13a5	0.32387	0.18735	-0.13652	0.00301385	No	Chmp3	93.3839	164.912	0.820449	93.3849	164.913	0.82044393	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Slc15a1	0.14404	0.071227	-0.072813	2.99E-06	No	Chmp5	28.4721	96.3363	1.75853	28.4731	96.3373	1.75849492	0.00014386	No
Slc16a2	0.098986	0.022441	-0.076545	0.01120909	No	Chmp6	15.6201	26.5886	0.767406	15.6211	26.5896	0.76736603	0.00014386	No
Slc18a3	0.098698	0.046716	-0.051982	7.36E-05	No	Chn2	5.96264	24.5959	2.04439	5.96364	24.5969	2.04421143	0.00014386	No
Slc19a3	0.14217	0.028518	-0.113652	1.61E-05	No	Chordc1	35.6269	17.3021	-1.04202	35.6279	17.3031	-1.0419769	0.00014386	No
Slc1a6	0.075641	0.017976	-0.057665	0.00058998	No	Chp1	26.9163	58.4524	1.11878	26.9173	58.4534	1.11875324	0.00014386	No
Slc22a17	0.71855	0.40651	-0.31204	0.00087121	No	Chpf2	10.3948	5.02657	-1.04822	10.3958	5.02757	-1.0480676	0.00014386	No
Slc25a21	0.2334	0.057597	-0.175803	2.15E-12	No	Chpt1	1.29695	35.6056	4.77891	1.29795	35.6066	4.77783797	0.00014386	No
Slc25a34	0.77663	0.22762	-0.54901	2.15E-12	No	Chrbn1	0.243934	2.70784	3.47258	0.244934	2.70884	3.46721022	0.00014386	No
Slc27a2	0.51091	0.077594	-0.433316	2.15E-12	No	Chrne	24.6643	7.39051	-1.73868	24.6653	7.39151	-1.7385418	0.00014386	No
Slc29a1	0.064709	0.0074198	-0.0572892	2.15E-12	No	Chst1	0.868601	2.022	1.21902	0.869601	2.023	1.21807082	0.00014386	No
Slc30a3	0.073914	0.25297	0.179056	3.10E-08	No	Chst11	8.73218	3.95249	-1.14358	8.73318	3.95349	-1.1433803	0.00014386	No
Slc34a2	0.092228	0.020193	-0.072035	4.35E-11	No	Chst14	2.13583	5.23034	1.29211	2.13683	5.23134	1.2917084	0.00014386	No
Slc35f1	0.076086	0.020106	-0.05598	1.43E-06	No	Chst15	6.43136	1.40809	-2.19139	6.43236	1.40909	-2.1905844	0.00014386	No
Slc35g2	0.21816	0.13725	-0.08091	0.04051274	No	Chst2	3.67395	7.19325	0.969313	3.67495	7.19425	0.96911967	0.00014386	No
Slc3a1	0.98059	0.31638	-0.66421	4.71E-07	No	Chsy1	10.1335	2.25841	-2.16575	10.1345	2.25941	-2.1652569	0.00014386	No
Slc44a4	0.6392	0.21707	-0.42213	0.0024744	No	Chuk	18.1148	13.3363	-0.441812	18.1158	13.3373	-0.4417819	0.00014386	No
Slc46a2	0.10608	0.014721	-0.091359	3.87E-06	No	Churc1	145.333	212.554	0.548468	145.334	212.555	0.54846394	0.00014386	No
Slc47a1	0.061969	0.010506	-0.051463	0.0007877	No	Ciapin1	18.3233	46.5079	1.3438	18.3243	46.5089	1.34374873	0.00014386	No
Slc4a10	0.71389	0.053579	-0.660311	2.80E-05	No	Cib1	115.873	199.551	0.784205	115.874	199.552	0.78420785	0.00014386	No
Slc4a2	0.20337	0.057402	-0.145968	0.00451501	No	Cic	36.7045	14.7802	-1.31229	36.7055	14.7812	-1.3122329	0.00014386	No
Slc5a4	0.47389	0.11291	-0.36098	0.00205129	No	Cidea	0	2.59986	inf	0.001	2.60086	11.344773	0.00014386	No
Slc6a15	0.08993	0.021768	-0.068162	0.0003366	No	Cideb	0.123743	15.2018	6.94076	0.124743	15.2028	6.92923439	0.00014386	No
Slc6a2	0.10574	0.032136	-0.073604	0.00781609	No	Cidec	0.114621	4.87841	5.41147	0.115621	4.87941	5.39923135	0.00014386	No
Slc6a3	0.22261	0.08658	-0.13603	0.00093244	No	Cir1	67.2072	21.6597	-1.6336	67.2082	21.6607	-1.6335574	0.00014386	No
Slc6a7	0.29703	0.067568	-0.229462	0.01961146	No	Cirh1a	39.2597	13.2286	-1.56939	39.2607	13.2296	-1.5693165	0.00014386	No
Slc7a10	0.083563	0.14812	0.064557	0.00040757	No	Cisd1	85.8731	435.191	2.34137	85.8741	435.192	2.34135706	0.00014386	No
Slc7a14	0.20926	0.065927	-0.143333	0.00533667	No	Cisd2	12.4636	19.6785	0.658895	12.4646	19.6795	0.65885698	0.00014386	No
Slc9a3r1	0.26731	0.10079	-0.16652	0.01120909	No	Cisd3	30.8207	71.6261	1.21659	30.8217	71.6271	1.2165909	0.00014386	No
Slit1	0.092644	0.021885	-0.070759	8.80E-10	No	Cit	0.147706	1.52756	3.37042	0.148706	1.52856	3.36163842	0.00014386	No
Slit2	0.10232	0.0079608	-0.0943592	0.00038568	No	Cited1	0	7.69516	inf	0.001	7.69616	12.9099231	0.00014386	No
Slitrk1	0.074085	0.02655	-0.047535	7.01E-05	No	Cited2	53.5053	108.946	1.02586	53.5063	108.947	1.0258458	0.00014386	No
Smad3	0.64981	0.17575	-0.47406	6.75E-07	No	Ckap2l	0.111152	0.693589	2.64154	0.112152	0.694589	2.63070422	0.00014386	No
Smoc2	0.076376	0.033341	-0.043035	0.00038568	No	Ckap4	1.66311	14.7548	3.14923	1.66411	14.7558	3.14845943	0.00014386	No
Smpd3	0.17364	0.044979	-0.128661	0.01559789	No	Ckap5	6.51491	4.81813	-0.435271	6.51591	4.81913	-0.435194	0.00014386	No
Smtnl2	0.30072	0.083636	-0.217084	3.15E-05	No	CKlf	25.1471	2.15282	-3.54609	25.1481	2.15382	-3.5454798	0.00014386	No
Smug1	0.82567	0.58291	-0.24276	5.05E-07	No	Cks2	4.01196	15.7624	1.97411	4.01296	15.7634	1.97384006	0.00014386	No
Snai1	0.72691	0.42765	-0.29926	7.62E-05	No	CLASP1	12.6092	7.17527	-0.813372	12.6102	7.17627	-0.8132851	0.00014386	No
Snrpc	0.90733	0.48142	-0.42591	6.29E-06	No	Clasp2	11.1437	7.06729	-0.656996	11.1447	7.06829	-0.6569246	0.00014386	No
Snrpn	0.42433	0.27794	-0.14639	0.00281863	No	Clcn2	0.0359704	2.46034	6.0959	0.0369704	2.46134	6.0569295	0.00014386	No
Snx19	0.077215	0.015109	-0.062106	0.00205129	No	Clcn3	7.96785	11.818	0.568728	7.96885	11.819	0.56866453	0.00014386	No
Snx22	0.22209	0.085604	-0.136486	0.00087121	No	Clcn4	0.416758	3.19562	2.93881	0.417758	3.19662	2.93580789	0.00014386	No
Soat2	0.60821	0.37931	-0.2289	0.01049788	No	Clcn6	11.119	8.25747	-0.429258	11.12	8.25847	-0.4292104	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Sorcs1	0.088178	0.025502	-0.062676	0.0058184	No	Clcn7	22.0667	14.8672	-0.569741	22.0677	14.8682	-0.5697063	0.00014386	No
Sorcs2	0.107	0.014203	-0.092797	0.00025822	No	Clcnkb	0.278436	399.828	10.4878	0.279436	399.829	10.4826495	0.00014386	No
Sorcs3	0.091801	0.017262	-0.074539	5.17E-08	No	Cldn10	2.70789	156.174	5.84984	2.70889	156.175	5.84931791	0.00014386	No
Sox10	0.85695	0.70976	-0.14719	0.00103522	No	Cldn2	0.0362802	190.761	12.3603	0.0372802	190.762	12.3210766	0.00014386	No
Sox14	0.21399	0.057728	-0.156262	1.64E-06	No	Cldn6	0.261617	3.04201	3.5395	0.262617	3.04301	3.53446686	0.00014386	No
Sox15	0.75983	0.26135	-0.49848	1.28E-06	No	Cldn9	0	1.12579	inf	0.001	1.12679	10.1380029	0.00014386	No
Sox7	0.38664	0.25226	-0.13438	0.04638126	No	Clec16a	5.0352	18.1916	1.85315	5.0362	18.1926	1.85294426	0.00014386	No
Spaca1	0.90443	0.77502	-0.12941	7.43E-12	No	Clec2d2	22.5062	2.08888	-3.42952	22.5072	2.08988	-3.4288946	0.00014386	No
Spag4	0.45008	0.15281	-0.29727	0.00058998	No	Clec2g	88.7144	17.0026	-2.38341	88.7154	17.0036	-2.3833443	0.00014386	No
Spagl	0.099042	0.041508	-0.057534	0.0024744	No	Clec4a1	1.40047	4.96662	1.82635	1.40147	4.96762	1.82561396	0.00014386	No
Spag8	0.71046	0.35892	-0.35154	0.00533667	No	Clec4a3	1.38817	4.93489	1.82984	1.38917	4.93589	1.82908708	0.00014386	No
Spata1	0.20596	0.062142	-0.143818	4.71E-07	No	Clec7a	0.359538	1.46866	2.03028	0.360538	1.46966	2.0272592	0.00014386	No
Spata3	0.32293	0.21767	-0.10526	0.03700939	No	Clic2	0.889584	12.9982	3.86904	0.890584	12.9992	3.86752734	0.00014386	No
Spata32	0.21667	0.057797	-0.158873	0.00111391	No	Clic4	7.6418	175.447	4.52098	7.6428	175.448	4.52079841	0.00014386	No
Speg	0.18762	0.13049	-0.05713	0.00709364	No	CLIC5	1.43046	5.44856	1.92939	1.43146	5.44956	1.92865239	0.00014386	No
Spg7	0.57384	0.32231	-0.25153	0.00054762	No	Clip1	11.3796	8.56131	-0.410545	11.3806	8.56231	-0.4105046	0.00014386	No
Spock3	0.15392	0.047396	-0.106524	0.00123297	No	Clip2	3.79267	11.9744	1.65867	3.79367	11.9754	1.65840775	0.00014386	No
Spred3	0.47271	0.069841	-0.402869	8.46E-07	No	Clk1	200.398	90.869	-1.14101	200.399	90.87	-1.1409993	0.00014386	No
Sprn	0.41029	0.066713	-0.343577	2.65E-06	No	Clk4	52.6211	25.9048	-1.02242	52.6221	25.9058	-1.0223937	0.00014386	No
Spryd3	0.36967	0.1135	-0.25617	8.46E-07	No	Cln5	1.31217	3.65409	1.47756	1.31317	3.65509	1.47685323	0.00014386	No
Spx	0.19481	0.05498	-0.13983	1.43E-06	No	Clns1a	77.3093	42.7834	-0.853591	77.3103	42.7844	-0.8535758	0.00014386	No
Srgap1	0.079626	0.026212	-0.053414	0.01699421	No	Clpb	7.51923	31.2422	2.05484	7.52023	31.2432	2.05469353	0.00014386	No
Srms	0.10393	0.022304	-0.081626	0.00188523	No	Clpx	19.4953	48.9048	1.32684	19.4963	48.9058	1.32680522	0.00014386	No
Srsf9	0.0056592	0.06348	0.0578208	0.00087121	No	Clrn3	0	2.90347	inf	0.001	2.90447	11.5040592	0.00014386	No
Sstr1	0.13943	0.041813	-0.097617	1.85E-07	No	Clta	208.395	358.981	0.784589	208.396	358.982	0.78458392	0.00014386	No
Sstr2	0.070745	0.016324	-0.054421	0.00087121	No	Cltb	22.2748	83.8396	1.91222	22.2758	83.8406	1.9121718	0.00014386	No
Sstr5	0.20698	0.051147	-0.155833	0.00334552	No	Cltc	23.6651	78.4167	1.7284	23.6661	78.4177	1.72835735	0.00014386	No
St6gal2	0.060111	0.0090575	-0.0510535	2.73E-09	No	Clu	2.96252	239.693	6.33822	2.96352	239.694	6.33773819	0.00014386	No
St8sia2	0.089122	0.026126	-0.062996	2.18E-08	No	Cluh	14.2263	65.5392	2.2038	14.2273	65.5402	2.20371818	0.00014386	No
St8sia3	0.094668	0.027382	-0.067286	7.33E-10	No	Clvs1	0.188775	1.2477	2.72454	0.189775	1.2487	2.71806505	0.00014386	No
St8sia5	0.086263	0.024153	-0.06211	0.01482889	No	Cmah	60.0976	8.94996	-2.74735	60.0986	8.95096	-2.7472171	0.00014386	No
Steap4	0.11275	0.019008	-0.093742	3.58E-12	No	Cmas	39.6721	23.656	-0.745917	39.6731	23.657	-0.745894	0.00014386	No
Stx2	0.20046	0.0089962	-0.1914638	9.44E-05	No	Cmb1	1.12304	98.9799	6.46166	1.12404	98.9809	6.46038488	0.00014386	No
Stx5	0.09463	0.031775	-0.062855	0.00675344	No	CMC2	24.0786	82.8611	1.78294	24.0796	82.8621	1.78290096	0.00014386	No
Stxbp5l	0.041589	0.015646	-0.025943	0.00334552	No	Cmip	93.313	41.8119	-1.15816	93.314	41.8129	-1.1581454	0.00014386	No
Sv2a	0.97956	0.87967	-0.09989	0.00132879	No	Cml1	0.365116	8.96421	4.61775	0.366116	8.96521	4.61396465	0.00014386	No
Syce2	0.49071	0.19996	-0.29075	1.30E-10	No	Cml3	0	19.5858	inf	0.001	19.5868	14.2575941	0.00014386	No
Sycp1	0.84695	0.71668	-0.13027	0.00281863	No	Cmpk2	5.7676	4.02428	-0.519241	5.7686	4.02528	-0.5191321	0.00014386	No
Syk	0.13629	0.67793	0.54164	2.15E-12	No	Cmtm3	17.1769	2.47644	-2.79413	17.1779	2.47744	-2.7936317	0.00014386	No
Sync	0.23868	0.11624	-0.12244	0.00902244	No	Cmtm6	48.2004	30.5038	-0.660056	48.2014	30.5048	-0.6600388	0.00014386	No
Synm	0.077235	0.010034	-0.067201	7.94E-07	No	Cmtm7	107.41	25.4654	-2.07652	107.411	25.4664	-2.0764748	0.00014386	No
Sypl2	0.1958	0.032906	-0.162894	1.57E-05	No	Cmtm8	0.979278	17.8206	4.18568	0.980278	17.8216	4.18429211	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Syt1	0.11097	0.036425	-0.074545	3.48E-08	No	Cnbp	472.535	196.523	-1.26572	472.536	196.524	-1.2657187	0.00014386	No
Syt10	0.096268	0.034141	-0.062127	0.01136336	No	Cnep1r1	16.5969	9.86911	-0.749925	16.5979	9.87011	-0.7498627	0.00014386	No
Syt6	0.19094	0.06135	-0.12959	0.00025822	No	Cnih4	41.7792	21.7447	-0.942121	41.7802	21.7457	-0.9420892	0.00014386	No
Syt7	0.25622	0.040978	-0.215242	6.67E-05	No	Cnksr3	5.49446	13.4628	1.29292	5.49546	13.4638	1.2927735	0.00014386	No
T	0.19373	0.063456	-0.130274	0.00281863	No	Cnn3	32.6788	172.079	2.39664	32.6798	172.08	2.39660837	0.00014386	No
Tac3	0.77533	0.63841	-0.13692	0.01512325	No	Cnm4	5.70914	10.2237	0.840579	5.71014	10.2247	0.84046049	0.00014386	No
Tacr3	0.23094	0.083396	-0.147544	3.82E-06	No	Cnot1	127.422	61.8958	-1.0417	127.423	61.8968	-1.041689	0.00014386	No
Tal1	0.24752	0.053822	-0.193698	0.0003366	No	Cnot10	38.733	23.4745	-0.72247	38.734	23.4755	-0.7224446	0.00014386	No
Tapbp	0.74991	0.22001	-0.5299	2.15E-12	No	Cnot2	52.8374	26.3711	-1.0026	52.8384	26.3721	-1.0025743	0.00014386	No
Tbc1d10b	0.20521	0.30344	0.09823	0.01699421	No	Cnot3	30.3122	12.0411	-1.33194	30.3132	12.0421	-1.3318592	0.00014386	No
Tbccd1	0.8813	0.69208	-0.18922	0.00058998	No	Cnot4	15.6809	7.28929	-1.10516	15.6819	7.29029	-1.1050523	0.00014386	No
Tbx1	0.099004	0.17027	0.071266	0.00976507	No	Cnot6l	23.7706	7.97165	-1.57623	23.7716	7.97265	-1.5761078	0.00014386	No
Tbx18	0.15692	0.068952	-0.087968	0.00038568	No	Cnot7	44.6918	22.869	-0.966618	44.6928	22.87	-0.9665861	0.00014386	No
Tbx2	0.07828	0.32512	0.24684	5.42E-05	No	Cnot8	39.4579	24.2443	-0.702666	39.4589	24.2453	-0.7026456	0.00014386	No
Tbx3	0.10583	0.050605	-0.055225	0.00028584	No	Cnp	125.872	8.87619	-3.82588	125.873	8.87719	-3.825722	0.00014386	No
Tbx4	0.24009	0.41784	0.17775	0.00501738	No	Cnppd1	136.542	32.8494	-2.05541	136.543	32.8504	-2.0553725	0.00014386	No
Tbx5	0.31827	0.12686	-0.19141	7.15E-06	No	Cnpy1	0	8.17829	inf	0.001	8.17929	12.9977599	0.00014386	No
Tcf19	0.71217	0.55428	-0.15789	0.04859041	No	Cnpy2	93.8167	128.565	0.454584	93.8177	128.566	0.45457713	0.00014386	No
Tcirg1	0.73825	0.11096	-0.62729	0.00072449	No	Cnpy4	14.7188	8.21303	-0.841677	14.7198	8.21403	-0.8415959	0.00014386	No
Tdh	0.092038	0.018172	-0.073866	0.00050175	No	Cnst	16.202	9.52006	-0.767125	16.203	9.52106	-0.7670668	0.00014386	No
Tdrd5	0.63551	0.13705	-0.49846	5.28E-07	No	Cntf	31.5421	134.293	2.09004	31.5431	134.294	2.08999849	0.00014386	No
Tdrd6	0.61592	0.38496	-0.23096	0.00770116	No	Cntln	0.0658976	1.72589	4.71097	0.0668976	1.72689	4.69007792	0.00014386	No
Tekt2	0.11629	0.021858	-0.094432	0.00451501	No	Cntnap1	2.03425	8.70814	2.09787	2.03525	8.70914	2.09732425	0.00014386	No
Tekt4	0.50177	0.10313	-0.39864	6.08E-08	No	Cntrl	25.4818	4.58273	-2.47519	25.4828	4.58373	-2.4749298	0.00014386	No
Tescl	0.60847	0.52564	-0.08283	0.04638126	No	Coa3	56.6344	137.86	1.28346	56.6354	137.861	1.28343839	0.00014386	No
Tfap2c	0.093796	0.024651	-0.069145	0.00205129	No	Coa4	7.18031	15.6532	1.12434	7.18131	15.6542	1.12423084	0.00014386	No
Tfap2e	0.15822	0.044495	-0.113725	0.01289082	No	Coa5	18.0834	56.6211	1.64667	18.0844	56.6221	1.64661952	0.00014386	No
Tfip11	0.80792	0.74485	-0.06307	0.01152422	No	Coasy	34.2525	59.2973	0.791757	34.2535	59.2983	0.79173934	0.00014386	No
Tgfa	0.27566	0.10058	-0.17508	0.00181901	No	Cobll1	2.55309	41.0442	4.00686	2.55409	41.0452	4.00633225	0.00014386	No
Tgfb1i1	0.35525	0.18096	-0.17429	0.00144827	No	Cog1	47.2681	23.1707	-1.02856	47.2691	23.1717	-1.0285335	0.00014386	No
Tgfb3	0.62851	0.32856	-0.29995	0.00675344	No	Cog3	13.4161	5.98602	-1.16429	13.4171	5.98702	-1.1641629	0.00014386	No
Theg	0.92654	0.8087	-0.11784	0.0024744	No	Cog4	15.032	23.5553	0.648012	15.033	23.5563	0.64798001	0.00014386	No
Thegl	0.87924	0.31702	-0.56222	4.22E-09	No	Col11a1	2.11559	4.117	0.960536	2.11659	4.118	0.96020199	0.00014386	No
Thpo	0.47826	0.30552	-0.17274	0.03216266	No	COL15A1	0.0564422	1.65339	4.87251	0.0574422	1.65439	4.84804456	0.00014386	No
Tifab	0.94446	0.87989	-0.06457	0.04859041	No	Col4a1	0.00743584	64.2701	13.0774	0.00843584	64.2711	12.8953508	0.00014386	No
Tjap1	0.65447	0.32823	-0.32624	0.00451501	No	COL4A3	69.1841	120.45	0.799924	69.1851	120.451	0.7999131	0.00014386	No
Tll1	0.06997	0.0017241	-0.0682459	7.62E-05	No	Col4a3bp	22.2652	10.5099	-1.08304	22.2662	10.5109	-1.0829692	0.00014386	No
Tm4sf1	0.95303	0.3943	-0.55873	4.71E-07	No	Col4a4	0.162967	32.2255	7.62748	0.163967	32.2265	7.61869821	0.00014386	No
Tm6sf2	0.73615	0.071331	-0.664819	3.48E-08	No	Col4a5	0	47.8183	inf	0.001	47.8193	15.5453054	0.00014386	No
Tmcc2	0.62356	0.31553	-0.30803	0.00040757	No	Col5a2	0	2.58752	inf	0.001	2.58852	11.3379117	0.00014386	No
Tmem114	0.073263	0.019439	-0.053824	0.00188523	No	Comm1	46.6914	112.388	1.26726	46.6924	112.389	1.26724119	0.00014386	No
Tmem119	0.70897	0.37955	-0.32942	0.00018974	No	Comm10	21.177	42.7241	1.01255	21.178	42.7251	1.01251752	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Tmem125	0.87989	0.76242	-0.11747	0.01832913	No	Commd3	30.4064	105.24	1.79124	30.4074	105.241	1.79120249	0.00014386	No
Tmem132d	0.2056	0.043242	-0.162358	7.31E-07	No	Commd7	86.119	32.2484	-1.4171	86.12	32.2494	-1.417076	0.00014386	No
Tmem151b	0.66725	0.2879	-0.37935	2.27E-12	No	Commd8	32.956	22.8446	-0.528688	32.957	22.8456	-0.5286686	0.00014386	No
Tmem160	0.94921	0.8626	-0.08661	0.00675344	No	Commd9	30.8743	73.6243	1.25378	30.8753	73.6253	1.25374845	0.00014386	No
Tmem178a	0.18276	0.07489	-0.10787	0.00072449	No	Comt	26.2515	145.905	2.47455	26.2525	145.906	2.47451249	0.00014386	No
Tmem200c	0.056894	0.0061871	-0.0507069	0.00173557	No	Copb2	38.8535	27.2309	-0.512796	38.8545	27.2319	-0.5127841	0.00014386	No
Tmem47	0.087298	0.022473	-0.064825	4.71E-07	No	COPE	75.3764	123.56	0.713023	75.3774	123.561	0.71301951	0.00014386	No
Tmem88	0.82895	0.13066	-0.69829	5.28E-07	No	Copg1	38.4173	61.3644	0.675646	38.4183	61.3654	0.67563176	0.00014386	No
Tnfaip8	0.38084	0.029358	-0.351482	2.15E-12	No	Coprs	22.678	108.013	2.25184	22.679	108.014	2.25178938	0.00014386	No
Tnfrsf12a	0.16653	0.032668	-0.133862	1.57E-05	No	Cops6	59.0967	94.0797	0.670804	59.0977	94.0807	0.67079681	0.00014386	No
Tnfrsf25	0.0035827	0.14422	0.1406373	3.54E-09	No	Cops7a	17.7576	51.9162	1.54775	17.7586	51.9172	1.54769473	0.00014386	No
Tnfsf13b	0.26816	0.069062	-0.199098	1.18E-08	No	Cops7b	14.3668	5.76617	-1.31705	14.3678	5.76717	-1.3169037	0.00014386	No
Tnfsf8	0.011168	0.29472	0.283552	6.75E-07	No	Coq10b	10.2673	23.2646	1.18009	10.2683	23.2656	1.18000104	0.00014386	No
Tnk2	0.80324	0.3025	-0.50074	3.56E-05	No	Coq3	7.19177	20.8453	1.5353	7.19277	20.8463	1.53517197	0.00014386	No
Tnnc2	0.26525	0.37514	0.10989	0.02220995	No	Coq4	2.91259	11.924	2.0335	2.91359	11.925	2.03311949	0.00014386	No
Tnxa-ps1	0.0693	0.23287	0.16357	1.80E-05	No	Coq5	13.1846	22.349	0.761351	13.1856	22.35	0.76131161	0.00014386	No
Tox3	0.80048	0.73972	-0.06076	0.0247155	No	Coq7	9.92276	50.5376	2.34854	9.92376	50.5386	2.34842695	0.00014386	No
Tp53i11	0.0026334	0.070296	0.0676626	2.80E-05	No	Coq9	22.1307	88.2734	1.99593	22.1317	88.2744	1.99588084	0.00014386	No
Tppp3	0.26418	0.066523	-0.197657	4.92E-06	No	Coro1a	1345.44	68.9027	-4.28737	1345.441	68.9037	-4.2873539	0.00014386	No
Tradd	0.70776	0.14383	-0.56393	1.64E-06	No	Coro1c	23.7032	17.0813	-0.472669	23.7042	17.0823	-0.4726405	0.00014386	No
Tram11	0.14856	0.049209	-0.099351	0.01206268	No	Coro2a	4.72841	0.503426	-3.2315	4.72941	0.504426	-3.2289457	0.00014386	No
Trank1	0.17472	0.088024	-0.086696	0.00065829	No	Coro2b	5.52563	0.685606	-3.01069	5.52663	0.686606	-3.0088457	0.00014386	No
Trhr2	0.93141	0.75564	-0.17577	1.80E-05	No	Coro7	61.6679	8.77011	-2.81385	61.6689	8.77111	-2.8137118	0.00014386	No
Trim15	0.1073	0.051857	-0.055443	0.00038568	No	Cotl1	509.677	117.397	-2.11819	509.678	117.398	-2.1181783	0.00014386	No
Trim26	0.92576	0.80722	-0.11854	0.00017371	No	Cox15	12.0721	18.0903	0.583537	12.0731	18.0913	0.58349992	0.00014386	No
Trim36	0.086157	0.030151	-0.056006	0.00017677	No	Cox17	202.669	511.344	1.33517	202.67	511.345	1.33516444	0.00014386	No
Trim6	0.85747	0.3733	-0.48417	1.37E-07	No	Cox18	27.2255	10.1219	-1.42748	27.2265	10.1229	-1.4273889	0.00014386	No
Trim63	0.80815	0.29325	-0.5149	2.43E-12	No	Cox19	20.8809	51.578	1.30457	20.8819	51.579	1.30453082	0.00014386	No
Trim9	0.058234	0.0040911	-0.0541429	6.06E-05	No	Cox4i1	878.784	1626.35	0.888059	878.785	1626.351	0.8880565	0.00014386	No
Trip6	0.71764	0.11748	-0.60016	2.15E-12	No	Cox4i2	0	2.6091	inf	0.001	2.6101	11.3498894	0.00014386	No
Trmt61a	0.5892	0.30535	-0.28385	7.60E-06	No	Cox5a	281.032	988.328	1.81426	281.033	988.329	1.81425183	0.00014386	No
Trpm2	0.6983	0.40038	-0.29792	0.0024744	No	Cox5b	269.11	1044.54	1.9566	269.111	1044.541	1.95659585	0.00014386	No
Tsks	0.83138	0.762	-0.06938	0.0247155	No	Cox6a1	443.229	1058.36	1.25571	443.23	1058.361	1.25570437	0.00014386	No
Tspan11	0.091837	0.030267	-0.06157	2.86E-06	No	COX6A2	0	1.77485	inf	0.001	1.77585	10.794294	0.00014386	No
Tssk3	0.67842	0.18674	-0.49168	2.19E-12	No	Cox6b1	379.172	1168.73	1.62401	379.173	1168.731	1.62401477	0.00014386	No
Ttc30b	0.25846	0.2063	-0.05216	0.02094681	No	Cox6c	613.609	1680.96	1.45389	613.61	1680.961	1.45389235	0.00014386	No
Ttc8	0.36008	0.1085	-0.25158	0.00265064	No	Cox7a2	159.814	625.7	1.96907	159.815	625.701	1.96907059	0.00014386	No
Tuba3b	0.9863	0.93192	-0.05438	0.00188523	No	Cox7a2l	423.341	128.368	-1.72154	423.342	128.369	-1.7215268	0.00014386	No
Tubg2	0.11967	0.011893	-0.107777	2.15E-12	No	Cox7a2l2	10.558	92.7979	3.13576	10.559	92.7989	3.13563449	0.00014386	No
Tug1	0.93411	0.8042	-0.12991	2.49E-07	No	Cox7b	382.45	1924.76	2.33133	382.451	1924.761	2.33133249	0.00014386	No
Ubb	0.39947	0.20259	-0.19688	0.00026094	No	Cox7c	323.697	1379.02	2.09093	323.698	1379.021	2.09092407	0.00014386	No
Ube2ql1	0.13718	0.038321	-0.098859	2.31E-05	No	Cox8a	283.995	1838.94	2.69494	283.996	1838.941	2.69493268	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Ubfd1	0.34647	0.10618	-0.24029	2.16E-09	No	Cp	0.32077	7.16266	4.48088	0.32177	7.16366	4.47659514	0.00014386	No
Ubxn10	0.0085574	0.56638	0.5578226	1.11E-11	No	Cpe	1.06704	4.02882	1.91674	1.06804	4.02982	1.91574972	0.00014386	No
Ucn	0.2522	0.035352	-0.216848	0.00011494	No	Cpeb3	0.612755	6.44846	3.39557	0.613755	6.44946	3.39344359	0.00014386	No
Ugt8	0.1928	0.02792	-0.16488	7.62E-05	No	Cpeb4	11.3821	16.8644	0.567216	11.3831	16.8654	0.56717303	0.00014386	No
Uhmk1	0.25934	0.12148	-0.13786	2.15E-12	No	Cplx2	0	2.89538	inf	0.001	2.89638	11.5000352	0.00014386	No
Unc5c	0.077777	0.0038462	-0.0739308	0.00087121	No	Cpm	0.409425	2.98807	2.86754	0.410425	2.98907	2.86450617	0.00014386	No
Unc5d	0.16111	0.028571	-0.132539	0.00093244	No	Cpne3	8.01171	18.9672	1.24332	8.01271	18.9682	1.24322061	0.00014386	No
Uqcc2	0.28347	0.14874	-0.13473	0.00123297	No	Cpne7	30.7967	18.621	-0.725844	30.7977	18.622	-0.7258146	0.00014386	No
Ush1c	0.31258	0.061856	-0.250724	4.84E-08	No	Cpne8	0.249394	3.66929	3.87901	0.250394	3.67029	3.87362216	0.00014386	No
Usp13	0.10936	0.028964	-0.080396	9.44E-05	No	Cpped1	0.671615	30.1089	5.48641	0.672615	30.1099	5.48431315	0.00014386	No
Utf1	0.091442	0.020741	-0.070701	2.80E-05	No	Cpq	0.0483716	105.406	11.0895	0.0493716	105.407	11.0600017	0.00014386	No
Vax1	0.10778	0.031752	-0.076028	6.08E-08	No	Cpsf2	15.5333	6.14518	-1.33784	15.5343	6.14618	-1.3376953	0.00014386	No
Vldlr	0.10282	0.56533	0.46251	6.75E-07	No	Cpsf4	26.8917	17.3162	-0.63504	26.8927	17.3172	-0.6350089	0.00014386	No
Vom1r70	0.7455	0.52429	-0.22121	0.00139382	No	Cpsf6	28.232	7.62646	-1.88824	28.233	7.62746	-1.8881078	0.00014386	No
Vom2r55	0.8191	0.70815	-0.11095	0.00115826	No	Cpsf7	52.7128	20.0939	-1.39139	52.7138	20.0949	-1.3913513	0.00014386	No
Vom2r65	0.87824	0.77563	-0.10261	0.01699421	No	Cpt2	2.67097	16.973	2.66781	2.67197	16.974	2.66735087	0.00014386	No
Vpreb1	0.89435	0.82886	-0.06549	0.00127757	No	Cr1l	82.9081	38.5465	-1.10491	82.9091	38.5475	-1.1048932	0.00014386	No
Vpreb2	0.90031	0.81476	-0.08555	6.75E-07	No	Cr2	1.04643	0	-inf	1.04743	0.001	-10.032638	0.00014386	No
Vsx1	0.079822	0.023745	-0.056077	0.00123297	No	Crabp1	0	1.03445	inf	0.001	1.03545	10.0160422	0.00014386	No
Vsx2	0.17408	0.077615	-0.096465	0.00902244	No	Cradd	10.3724	3.44163	-1.59159	10.3734	3.44263	-1.5913058	0.00014386	No
Vwc2	0.090789	0.0278	-0.062989	4.21E-12	No	Cramp1l	10.1468	2.90587	-1.80399	10.1478	2.90687	-1.8036285	0.00014386	No
Vwc2l	0.12882	0.03987	-0.08895	0.00028308	No	Crat	2.43813	53.8466	4.46501	2.43913	53.8476	4.46444349	0.00014386	No
Vwce	0.17177	0.080024	-0.091746	0.00036321	No	Creb1	11.1984	3.45985	-1.69451	11.1994	3.46085	-1.6942231	0.00014386	No
Wars	0.33328	0.45037	0.11709	0.02346238	No	Creb3l2	1.3345	21.7866	4.02907	1.3355	21.7876	4.0280554	0.00014386	No
Wbscr17	0.23525	0.10002	-0.13523	0.0038486	No	Crebbp	69.1452	12.131	-2.51093	69.1462	12.132	-2.5108326	0.00014386	No
Wfdc11	0.35526	0.22172	-0.13354	0.00675344	No	Crebrf	25.1482	4.5625	-2.46256	25.1492	4.5635	-2.4622999	0.00014386	No
Wfdc15b	0.83482	0.74797	-0.08685	0.01049788	No	CREBZF	45.6859	9.47281	-2.26989	45.6869	9.47381	-2.2697639	0.00014386	No
Wfdc6a	0.72277	0.59843	-0.12434	0.04412687	No	Creg1	1.91697	16.2246	3.08129	1.91797	16.2256	3.08061977	0.00014386	No
Wnk2	0.20009	0.05433	-0.14576	0.00017371	No	Creld1	3.92569	18.1915	2.21225	3.92669	18.1925	2.2119582	0.00014386	No
Wnt10a	0.47052	0.24701	-0.22351	0.01049788	No	Crim1	0.813758	35.2293	5.43603	0.814758	35.2303	5.43430134	0.00014386	No
Wnt10b	0.080785	0.027455	-0.05333	0.00028819	No	Cript	67.3835	42.5042	-0.664791	67.3845	42.5052	-0.6647774	0.00014386	No
Wnt3	0.072103	0.016344	-0.055759	7.01E-05	No	Crispld2	0.388985	6.58192	4.08072	0.389985	6.58292	4.07723713	0.00014386	No
Wnt7a	0.060714	0.010483	-0.050231	0.00087121	No	Crk	15.6633	28.4978	0.863461	15.6643	28.4988	0.86342087	0.00014386	No
Wnt8a	0.5168	0.25039	-0.26641	0.00281863	No	Crkl	45.8983	24.5052	-0.905354	45.8993	24.5062	-0.9053254	0.00014386	No
Xkr6	0.12877	0.041516	-0.087254	0.00081111	No	Crlf3	194.145	6.93031	-4.80807	194.146	6.93131	-4.8078701	0.00014386	No
Ydjc	0.06019	0.16708	0.10689	5.27E-08	No	Crls1	21.0494	34.9777	0.732651	21.0504	34.9787	0.73262902	0.00014386	No
Zbtb24	0.75241	0.32035	-0.43206	0.00017371	No	Crmp1	7.11196	0.433962	-4.03461	7.11296	0.434962	-4.0314888	0.00014386	No
Zc2hc1c	0.75813	0.45321	-0.30492	0.00123297	No	Crocc	3.50962	29.6202	3.07719	3.51062	29.6212	3.07683234	0.00014386	No
Zdhhc19	0.58708	0.23538	-0.3517	8.74E-06	No	Crot	10.9893	23.959	1.12447	10.9903	23.96	1.12439714	0.00014386	No
Zdhhc22	0.05719	0.011341	-0.045849	0.01832913	No	CRTAP	11.555	92.2495	2.99702	11.556	92.2505	2.99691462	0.00014386	No
Zfp37	0.36995	0.055662	-0.314288	3.15E-05	No	Crtc1	9.49663	5.0039	-0.924363	9.49763	5.0049	-0.9242263	0.00014386	No
Zfp385d	0.086813	0.022957	-0.063856	2.12E-07	No	Crtc2	52.464	25.3619	-1.04867	52.465	25.3629	-1.0486356	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
Zfp46	0.91373	0.76388	-0.14985	0.00054762	No	Crtc3	3.62172	0.508045	-2.83365	3.62272	0.509045	-2.8312082	0.00014386	No
Zfp575	0.012467	0.18961	0.177143	3.82E-06	No	Cry1	16.8488	3.01658	-2.48166	16.8498	3.01758	-2.4812675	0.00014386	No
Zfp580	0.17333	0.072402	-0.100928	0.00842241	No	Cryab	0.191918	2207.58	13.4897	0.192918	2207.581	13.482191	0.00014386	No
Zfp61	0.86215	0.7459	-0.11625	0.00317797	No	Cryba4	1.95442	6.21438	1.66887	1.95542	6.21538	1.66836408	0.00014386	No
Zfp622	0.2571	0.091995	-0.165105	0.00015722	No	Cryl1	5.75419	118.558	4.36484	5.75519	118.559	4.36459782	0.00014386	No
Zfp641	0.084532	0.013386	-0.071146	1.27E-05	No	Cryz	0.644982	144.395	7.80655	0.645982	144.396	7.8043211	0.00014386	No
Zfp710	0.87878	0.79501	-0.08377	0.01482889	No	Cryzl1	6.78982	17.3112	1.35026	6.79082	17.3122	1.35013137	0.00014386	No
Zfp772	0.90962	0.75969	-0.14993	1.61E-05	No	Csdc2	1.5649	3.24964	1.05421	1.5659	3.25064	1.05373171	0.00014386	No
Zfp93	0.13675	0.042636	-0.094114	0.00011267	No	Csde1	118.873	75.7333	-0.650424	118.874	75.7343	-0.6504145	0.00014386	No
Zic1	0.088433	0.036838	-0.051595	0.00045631	No	Cse1l	26.2735	11.5344	-1.18766	26.2745	11.5354	-1.1875953	0.00014386	No
Zic2	0.081948	0.027016	-0.054932	0.0003366	No	Csf1	0.528608	5.15096	3.28457	0.529608	5.15196	3.28212457	0.00014386	No
Zic3	0.10745	0.032235	-0.075215	4.44E-05	No	Csf1r	3.53864	11.2536	1.66911	3.53964	11.2546	1.66884024	0.00014386	No
Zic5	0.12485	0.048789	-0.076061	0.01559789	No	Csf2rb	0.517646	16.2018	4.96804	0.518646	16.2028	4.96534917	0.00014386	No
Zmynd10	0.76003	0.64995	-0.11008	0.02220995	No	Csgalnact1	0.110066	2.38559	4.43791	0.111066	2.38659	4.4254616	0.00014386	No
Znrf4	0.35812	0.18193	-0.17619	0.0002806	No	Csgalnact2	8.86078	4.49632	-0.978689	8.86178	4.49732	-0.978531	0.00014386	No
Zranb2	0.31638	0.13872	-0.17766	0.0003366	No	Csk	200.643	34.1505	-2.55465	200.644	34.1515	-2.5546172	0.00014386	No
						Csnk1a1	98.4489	49.0497	-1.00513	98.4499	49.0507	-1.005116	0.00014386	No
						Csnk1e	28.0316	14.0677	-0.994665	28.0326	14.0687	-0.9946165	0.00014386	No
						Csnk1g2	140.691	86.5665	-0.700654	140.692	86.5675	-0.7006429	0.00014386	No
						Csnk1g3	39.481	13.0399	-1.59822	39.482	13.0409	-1.5981516	0.00014386	No
						Csnk2a1	40.8723	21.6861	-0.91435	40.8733	21.6871	-0.9143216	0.00014386	No
						Csrnp1	18.1663	13.2637	-0.453783	18.1673	13.2647	-0.453752	0.00014386	No
						Csrp1	32.668	95.9493	1.5544	32.669	95.9503	1.55436502	0.00014386	No
						Csrp2	0.328256	119.251	8.50496	0.329256	119.252	8.50058802	0.00014386	No
						Cst3	78.9581	449.734	2.50991	78.9591	449.735	2.50989771	0.00014386	No
						Cst7	7.50833	2.60001	-1.52997	7.50933	2.60101	-1.5296122	0.00014386	No
						Cstb	83.5156	230.315	1.46349	83.5166	230.316	1.46347975	0.00014386	No
						Cstf1	12.8966	7.8792	-0.710868	12.8976	7.8802	-0.7107985	0.00014386	No
						Ctage5	56.5178	26.3429	-1.10129	56.5188	26.3439	-1.1012619	0.00014386	No
						Ctbp2	0.514287	39.5869	6.2663	0.515287	39.5879	6.26353953	0.00014386	No
						Ctbs	4.89307	14.6721	1.58426	4.89407	14.6731	1.58406706	0.00014386	No
						Ctc1	11.2266	36.1665	1.68773	11.2276	36.1675	1.68764431	0.00014386	No
						Ctcf	57.2743	21.9961	-1.38064	57.2753	21.9971	-1.3805998	0.00014386	No
						Ctdnep1	85.3649	49.469	-0.787119	85.3659	49.47	-0.787106	0.00014386	No
						Ctdp1	31.7759	11.0478	-1.52417	31.7769	11.0488	-1.5240887	0.00014386	No
						Ctdsp2	68.1759	31.1728	-1.12897	68.1769	31.1738	-1.128949	0.00014386	No
						Ctdspl	0.168567	33.634	7.64045	0.169567	33.635	7.63196402	0.00014386	No
						Ctdspl2	12.3377	4.01423	-1.61987	12.3387	4.01523	-1.6196359	0.00014386	No
						Ctf1	0.527662	20.5514	5.28348	0.528662	20.5524	5.28081743	0.00014386	No
						Cth	0.987726	81.1889	6.36103	0.988726	81.1899	6.35958569	0.00014386	No
						Ctif	0.247342	2.93053	3.56659	0.248342	2.93153	3.56125364	0.00014386	No
						Ctla2a	67.774	29.8646	-1.1823	67.775	29.8656	-1.1822685	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ctla4	26.7563	2.51317	-3.4123	26.7573	2.51417	-3.4117784	0.00014386	No
						Ctnna1	3.69836	113	4.9333	3.69936	113.001	4.93291603	0.00014386	No
						Ctnnal1	3.17741	29.7557	3.22724	3.17841	29.7567	3.2268374	0.00014386	No
						Ctnnb1	105.425	171.477	0.701795	105.426	171.478	0.70179279	0.00014386	No
						Ctnnbip1	0.130225	10.9782	6.39749	0.131225	10.9792	6.38658653	0.00014386	No
						Ctnnb1	49.7164	20.5493	-1.27464	49.7174	20.5503	-1.2745914	0.00014386	No
						Ctnnd1	15.0202	33.8403	1.17184	15.0212	33.8413	1.17178492	0.00014386	No
						Ctps1	19.3169	11.4414	-0.755605	19.3179	11.4424	-0.7555486	0.00014386	No
						Ctps2	26.4632	17.601	-0.588334	26.4642	17.602	-0.5883027	0.00014386	No
						Ctr9	34.0485	17.4002	-0.968489	34.0495	17.4012	-0.9684468	0.00014386	No
						Ctsb	81.5333	409.782	2.3294	81.5343	409.783	2.32938113	0.00014386	No
						Ctsc	43.188	29.4559	-0.552072	43.189	29.4569	-0.5520583	0.00014386	No
						Ctsd	35.1192	153.456	2.12749	35.1202	153.457	2.12746149	0.00014386	No
						Ctse	181.729	5.50177	-5.04575	181.73	5.50277	-5.0454948	0.00014386	No
						Ctsh	6.86462	355.264	5.69357	6.86562	355.265	5.69336175	0.00014386	No
						Ctsl1	22.6947	1345.11	5.88923	22.6957	1345.111	5.88916243	0.00014386	No
						Ctss	107.747	10.1729	-3.40485	107.748	10.1739	-3.4047164	0.00014386	No
						Ctsw	288.864	38.3776	-2.91205	288.865	38.3786	-2.9120214	0.00014386	No
						Cttnbp2	0.225483	1.49433	2.72841	0.226483	1.49533	2.72298923	0.00014386	No
						Ctu1	6.6677	2.17585	-1.61561	6.6687	2.17685	-1.6151635	0.00014386	No
						Ctxn1	0.239842	1.69926	2.82475	0.240842	1.70026	2.81959647	0.00014386	No
						Cul1	40.8573	31.1545	-0.391153	40.8583	31.1555	-0.3911423	0.00014386	No
						Cul3	71.1705	35.7214	-0.994491	71.1715	35.7224	-0.9944706	0.00014386	No
						Cul4b	22.2917	8.13026	-1.45513	22.2927	8.13126	-1.4550205	0.00014386	No
						Cul5	18.8039	8.60268	-1.12817	18.8049	8.60368	-1.1280829	0.00014386	No
						Cul7	2.05496	5.94111	1.53162	2.05596	5.94211	1.53116312	0.00014386	No
						Cuta	89.3429	123.754	0.470054	89.3439	123.755	0.47004568	0.00014386	No
						Cux1	25.9269	52.136	1.00783	25.9279	52.137	1.00780221	0.00014386	No
						Cwc15	70.3394	146.391	1.05742	70.3404	146.392	1.05741127	0.00014386	No
						Cwc22	33.134	11.9093	-1.47622	33.135	11.9103	-1.4761462	0.00014386	No
						Cwh43	0.135346	8.50911	5.97429	0.136346	8.51011	5.9638335	0.00014386	No
						Cxcl10	0.99277	13.9988	3.8177	0.99377	13.9998	3.81635042	0.00014386	No
						Cxcl12	0.0202489	55.8389	11.4292	0.0212489	55.8399	11.3596925	0.00014386	No
						Cxcl13	0	1.06437	inf	0.001	1.06537	10.0571388	0.00014386	No
						Cxcl16	0.703262	85.2991	6.92232	0.704262	85.3001	6.92029138	0.00014386	No
						Cxcr3	28.3845	3.58799	-2.98386	28.3855	3.58899	-2.9835043	0.00014386	No
						Cxcr4	397.64	26.7026	-3.89641	397.641	26.7036	-3.8963604	0.00014386	No
						Cxxc1	46.1712	25.1585	-0.875948	46.1722	25.1595	-0.8759212	0.00014386	No
						Cyb5a	53.406	322.552	2.59446	53.407	322.553	2.59443548	0.00014386	No
						Cyb5b	24.9436	122.531	2.29641	24.9446	122.532	2.29635913	0.00014386	No
						Cyb5r1	5.2045	27.7189	2.41304	5.2055	27.7199	2.4128134	0.00014386	No
						Cyb5r2	0	2.086	inf	0.001	2.087	11.0272149	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Cyb5r3	17.1632	68.0532	1.98735	17.1642	68.0542	1.98728158	0.00014386	No
						Cybrd1	3.27182	0.41387	-2.98284	3.27282	0.41487	-2.979803	0.00014386	No
						CYC1	63.7263	302.766	2.24824	63.7273	302.767	2.24822452	0.00014386	No
						Cycs	46.4502	517.604	3.47809	46.4512	517.605	3.47806378	0.00014386	No
						Cyfp1	3.19744	27.044	3.08032	3.19844	27.045	3.07992157	0.00014386	No
						Cyfp2	88.1643	48.2868	-0.868566	88.1653	48.2878	-0.8685522	0.00014386	No
						Cyp20a1	6.80821	14.831	1.12327	6.80921	14.832	1.12315382	0.00014386	No
						Cyp27a1	0.0962763	17.3987	7.49758	0.0972763	17.3997	7.48275836	0.00014386	No
						Cyp2c11	0	1.74793	inf	0.001	1.74893	10.7722568	0.00014386	No
						Cyp2d1	0	23.2285	inf	0.001	23.2295	14.5036705	0.00014386	No
						Cyp2d2	1.26363	37.7524	4.90092	1.26463	37.7534	4.89981932	0.00014386	No
						Cyp2d4	0.205333	2.46874	3.58774	0.206333	2.46974	3.58131269	0.00014386	No
						Cyp2j10	0	0.822778	inf	0.001	0.823778	9.68611179	0.00014386	No
						Cyp2j4	0	1.62057	inf	0.001	1.62157	10.6631756	0.00014386	No
						Cyp2s1	34.9046	11.3151	-1.62517	34.9056	11.3161	-1.6250817	0.00014386	No
						Cyp2u1	12.8147	2.89114	-2.1481	12.8157	2.89214	-2.147703	0.00014386	No
						Cyp39a1	0	1.82168	inf	0.001	1.82268	10.8318456	0.00014386	No
						Cyp46a1	0	2.21748	inf	0.001	2.21848	11.1153558	0.00014386	No
						Cyp4a1	0	8.25468	inf	0.001	8.25568	13.0111713	0.00014386	No
						Cyp4a2	0.0732658	442.964	12.5618	0.0742658	442.965	12.5422071	0.00014386	No
						Cyp4f17	19.5849	3.19456	-2.61606	19.5859	3.19556	-2.6156747	0.00014386	No
						Cyp4f6	6.49755	30.1248	2.21298	6.49855	30.1258	2.2128098	0.00014386	No
						Cystm1	0.472802	153.332	8.3412	0.473802	153.333	8.33816822	0.00014386	No
						Cyth1	50.3981	9.06114	-2.4756	50.3991	9.06214	-2.4754743	0.00014386	No
						Cyth3	9.15494	5.7902	-0.660936	9.15594	5.7912	-0.6608457	0.00014386	No
						Cyth4	36.5706	7.74986	-2.23844	36.5716	7.75086	-2.2382954	0.00014386	No
						Cytip	433.697	19.7625	-4.45585	433.698	19.7635	-4.4557804	0.00014386	No
						D030056L22 Rik	20.1124	11.7148	-0.779748	20.1134	11.7158	-0.7797015	0.00014386	No
						D17Wsu104 e	19.3524	32.7706	0.759888	19.3534	32.7716	0.75985907	0.00014386	No
						D2hgdh	3.56437	19.2895	2.4361	3.56537	19.2905	2.43576683	0.00014386	No
						D5Erttd579e	17.4286	37.6766	1.11221	17.4296	37.6776	1.11216761	0.00014386	No
						D630039A0 3Rik	0	12.6479	inf	0.001	12.6489	13.6267243	0.00014386	No
						D930015E06 Rik	67.332	15.2481	-2.14266	67.333	15.2491	-2.1425896	0.00014386	No
						Daam1	3.8618	6.60562	0.774418	3.8628	6.60662	0.77426538	0.00014386	No
						Dab2	0.218293	110.115	8.97852	0.219293	110.116	8.97194863	0.00014386	No
						Dach2	0.906574	0	-inf	0.907574	0.001	-9.8258715	0.00014386	No
						Dad1	139.085	196.665	0.499767	139.086	196.666	0.49977035	0.00014386	No
						Dag1	11.6402	95.4981	3.03635	11.6412	95.4991	3.03624735	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						DAGLB	1.01732	14.8695	3.86951	1.01832	14.8705	3.86819026	0.00014386	No
						Dak	3.03486	68.773	4.50214	3.03586	68.774	4.50168609	0.00014386	No
						Dap	26.794	119.319	2.15484	26.795	119.32	2.15480016	0.00014386	No
						Dapk3	68.079	105.668	0.634252	68.08	105.669	0.63424925	0.00014386	No
						Dapl1	0	56.4088	inf	0.001	56.4098	15.7836582	0.00014386	No
						Daxx	39.123	23.0009	-0.766328	39.124	23.0019	-0.7663008	0.00014386	No
						Dazap2	327.263	202.281	-0.69409	327.264	202.282	-0.694087	0.00014386	No
						Dbi	68.549	955.249	3.80067	68.55	955.25	3.80064978	0.00014386	No
						Dbn1	0.414205	16.3579	5.3035	0.415205	16.3589	5.30010811	0.00014386	No
						Dbnnd2	1.89187	56.6362	4.90384	1.89287	56.6372	4.90310271	0.00014386	No
						Dbp	30.3986	61.3739	1.01362	30.3996	61.3749	1.01359643	0.00014386	No
						Dbr1	17.2974	12.1131	-0.513983	17.2984	12.1141	-0.5139514	0.00014386	No
						Dbt	8.88394	22.192	1.32077	8.88494	22.193	1.32067076	0.00014386	No
						Dcaf10	4.61294	1.98312	-1.21791	4.61394	1.98412	-1.2175	0.00014386	No
						Dcaf15	38.8002	13.9851	-1.47217	38.8012	13.9861	-1.4721075	0.00014386	No
						Dcaf17	6.51919	2.55915	-1.34903	6.52019	2.56015	-1.3486857	0.00014386	No
						Dcaf5	14.7983	7.27629	-1.02416	14.7993	7.27729	-1.0240557	0.00014386	No
						Dcaf7	16.4958	11.3514	-0.539235	16.4968	11.3524	-0.5391889	0.00014386	No
						Dcakd	4.38917	28.6341	2.70572	4.39017	28.6351	2.70543593	0.00014386	No
						Dcbld1	11.9482	8.14371	-0.553032	11.9492	8.14471	-0.5529788	0.00014386	No
						Dck	21.0402	2.60679	-3.0128	21.0412	2.60779	-3.0123174	0.00014386	No
						Dclk1	0.0887236	3.55229	5.32329	0.0897236	3.55329	5.30752412	0.00014386	No
						Dclk2	0.19808	1.71795	3.11653	0.19908	1.71895	3.11010738	0.00014386	No
						Dclre1a	3.87	9.84678	1.34732	3.871	9.84778	1.34709222	0.00014386	No
						Dclre1b	6.77482	3.11436	-1.12125	6.77582	3.11536	-1.1209967	0.00014386	No
						Dclre1c	18.1296	4.43724	-2.03061	18.1306	4.43824	-2.0303671	0.00014386	No
						Dcn	0	4.29934	inf	0.001	4.30034	12.070235	0.00014386	No
						Dcp1a	7.96676	4.46793	-0.834385	7.96776	4.46893	-0.8342447	0.00014386	No
						Dcp1b	11.514	6.72625	-0.775515	11.515	6.72725	-0.7754256	0.00014386	No
						Dcps	38.6377	13.5008	-1.51697	38.6387	13.5018	-1.5168948	0.00014386	No
						Dcstamp	0	1.15407	inf	0.001	1.15507	10.1737646	0.00014386	No
						Dctd	16.6818	10.2089	-0.70845	16.6828	10.2099	-0.7083927	0.00014386	No
						Dctn2	63.6904	92.8087	0.543183	63.6914	92.8097	0.54317701	0.00014386	No
						Dctn3	35.5837	72.2264	1.02131	35.5847	72.2274	1.02128916	0.00014386	No
						Dctpp1	3.83736	9.54862	1.31518	3.83836	9.54962	1.3149533	0.00014386	No
						Dcun1d1	13.2884	8.32556	-0.674551	13.2894	8.32656	-0.6744835	0.00014386	No
						Dcun1d4	3.76712	8.6161	1.19357	3.76812	8.6171	1.19335752	0.00014386	No
						Dcun1d5	75.7051	41.4506	-0.868997	75.7061	41.4516	-0.8689818	0.00014386	No
						Ddah1	0.302447	110.201	8.50925	0.303447	110.202	8.50449013	0.00014386	No
						Ddb2	17.3166	2.938	-2.55926	17.3176	2.939	-2.5588417	0.00014386	No
						Ddc	0.155957	39.1037	7.97002	0.156957	39.1047	7.96082883	0.00014386	No
						Ddhd1	18.3531	4.32121	-2.08652	18.3541	4.32221	-2.0862613	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ddhd2	18.9629	6.76039	-1.488	18.9639	6.76139	-1.4878639	0.00014386	No
						DDIT3	22.8867	94.2894	2.04258	22.8877	94.2904	2.0425384	0.00014386	No
						Ddit4	32.0747	20.252	-0.663367	32.0757	20.253	-0.6633451	0.00014386	No
						Ddit4l	0	8.28557	inf	0.001	8.28657	13.0165593	0.00014386	No
						Ddo	0	4.52033	inf	0.001	4.52133	12.1425315	0.00014386	No
						Ddrnk1	38.8717	66.4275	0.773059	38.8727	66.4285	0.77304502	0.00014386	No
						Ddt	84.7502	490.685	2.53351	84.7512	490.686	2.53349441	0.00014386	No
						Ddx1	20.0525	27.8435	0.473563	20.0535	27.8445	0.47353833	0.00014386	No
						Ddx10	12.3842	4.42274	-1.48549	12.3852	4.42374	-1.4852787	0.00014386	No
						Ddx11	8.59857	1.28055	-2.74734	8.59957	1.28155	-2.7463748	0.00014386	No
						Ddx17	176.688	73.477	-1.26583	176.689	73.478	-1.265828	0.00014386	No
						Ddx18	25.9308	9.33797	-1.47349	25.9318	9.33897	-1.473387	0.00014386	No
						Ddx19a	29.5005	66.4323	1.17114	29.5015	66.4333	1.17111827	0.00014386	No
						Ddx20	27.595	5.64885	-2.28838	27.596	5.64985	-2.2881747	0.00014386	No
						Ddx26b	55.3434	8.93935	-2.63017	55.3444	8.94035	-2.6300341	0.00014386	No
						Ddx27	43.2133	15.5791	-1.47187	43.2143	15.5801	-1.4718043	0.00014386	No
						DDX39A	100.858	31.9967	-1.65633	100.859	31.9977	-1.6562997	0.00014386	No
						DDX3X	82.7737	49.5153	-0.741299	82.7747	49.5163	-0.7412864	0.00014386	No
						Ddx42	41.4794	13.1016	-1.66265	41.4804	13.1026	-1.6625767	0.00014386	No
						Ddx46	111.007	34.6522	-1.67964	111.008	34.6532	-1.6796032	0.00014386	No
						Ddx49	43.101	25.0344	-0.783807	43.102	25.0354	-0.7837853	0.00014386	No
						Ddx5	700.46	213.436	-1.7145	700.461	213.437	-1.7144944	0.00014386	No
						Ddx50	46.7274	26.1265	-0.838756	46.7284	26.1275	-0.8387306	0.00014386	No
						Ddx51	14.656	7.51311	-0.964012	14.657	7.51411	-0.9639157	0.00014386	No
						Ddx52	36.5211	24.9363	-0.550481	36.5221	24.9373	-0.5504645	0.00014386	No
						Ddx55	16.5111	11.2281	-0.556325	16.5121	11.2291	-0.5562813	0.00014386	No
						Ddx56	15.6473	8.9838	-0.800517	15.6483	8.9848	-0.8004476	0.00014386	No
						Ddx59	11.3408	7.23327	-0.648807	11.3418	7.23427	-0.6487303	0.00014386	No
						Deb1	44.0041	100.115	1.18596	44.0051	100.116	1.18592992	0.00014386	No
						Decr1	30.8324	95.4601	1.63045	30.8334	95.4611	1.63041898	0.00014386	No
						Decr2	1.67619	123.674	6.20521	1.67719	123.675	6.20436396	0.00014386	No
						Dedd2	33.0705	15.2585	-1.11594	33.0715	15.2595	-1.1158808	0.00014386	No
						Def6	64.1112	5.2834	-3.60104	64.1122	5.2844	-3.6007873	0.00014386	No
						Def8	2.16781	18.0909	3.06096	2.16881	18.0919	3.06036835	0.00014386	No
						Defb29	0	9.10851	inf	0.001	9.10951	13.1531577	0.00014386	No
						Dek	66.4559	40.5808	-0.711599	66.4569	40.5818	-0.7115861	0.00014386	No
						Dennd1a	4.41177	9.81302	1.15334	4.41277	9.81402	1.15315966	0.00014386	No
						Dennd1b	9.13767	4.48832	-1.02565	9.13867	4.48932	-1.0254873	0.00014386	No
						Dennd1c	409.866	44.0011	-3.21954	409.867	44.0021	-3.2195116	0.00014386	No
						Dennd2d	115.244	20.6015	-2.48387	115.245	20.6025	-2.4838128	0.00014386	No
						Dennd3	17.135	7.13738	-1.26348	17.136	7.13838	-1.2633618	0.00014386	No
						Dennd4a	4.72407	1.95785	-1.27076	4.72507	1.95885	-1.2703288	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dennd4b	57.1155	10.581	-2.43241	57.1165	10.582	-2.4322953	0.00014386	No
						Dennd4c	6.36027	4.22923	-0.588694	6.36127	4.23023	-0.5885787	0.00014386	No
						Dennd5b	0.261621	1.5788	2.59328	0.262621	1.5798	2.58868774	0.00014386	No
						Dennd6a	37.6584	14.4914	-1.37777	37.6594	14.4924	-1.3777135	0.00014386	No
						Denr	87.1092	48.1799	-0.854393	87.1102	48.1809	-0.8543803	0.00014386	No
						DEPP	0	9.87695	inf	0.001	9.87795	13.269996	0.00014386	No
						Deptor	0.242566	11.707	5.59285	0.243566	11.708	5.58703808	0.00014386	No
						Dera	38.6946	71.6395	0.888623	38.6956	71.6405	0.88860588	0.00014386	No
						Desi1	7.66515	11.9165	0.636575	7.66615	11.9175	0.63650749	0.00014386	No
						Desi2	12.8885	5.32248	-1.27591	12.8895	5.32348	-1.2757547	0.00014386	No
						Det1	7.85739	5.0392	-0.640855	7.85839	5.0402	-0.6407528	0.00014386	No
						Dexi	27.8215	50.8817	0.870946	27.8225	50.8827	0.87092317	0.00014386	No
						Dfna5	0.530164	3.29111	2.63407	0.531164	3.29211	2.63178327	0.00014386	No
						Dfnb31	2.03736	10.5057	2.3664	2.03836	10.5067	2.36582883	0.00014386	No
						Dgat2	0.386175	11.514	4.89799	0.387175	11.515	4.8943848	0.00014386	No
						Dgcr6	5.23092	65.5727	3.64796	5.23192	65.5737	3.64770492	0.00014386	No
						Dgcr8	12.4397	5.12036	-1.28063	12.4407	5.12136	-1.2804688	0.00014386	No
						Dgka	452.301	27.1351	-4.05905	452.302	27.1361	-4.0590011	0.00014386	No
						Dgkd	23.8244	8.46256	-1.49328	23.8254	8.46356	-1.4931639	0.00014386	No
						Dgkg	0.822764	3.23801	1.97656	0.823764	3.23901	1.97524994	0.00014386	No
						Dgkz	181.184	32.4151	-2.48272	181.185	32.4161	-2.4826811	0.00014386	No
						Dhcr7	4.09409	7.52369	0.8779	4.09509	7.52469	0.87773699	0.00014386	No
						Dhdds	5.81963	29.2974	2.33177	5.82063	29.2984	2.33157466	0.00014386	No
						Dhfr	4.16216	31.4656	2.91837	4.16316	31.4666	2.91807039	0.00014386	No
						Dhh	68.8238	18.1313	-1.92442	68.8248	18.1323	-1.9243666	0.00014386	No
						Dhodh	14.9271	7.88292	-0.921132	14.9281	7.88392	-0.9210455	0.00014386	No
						Dhrs11	27.9821	39.0378	0.480365	27.9831	39.0388	0.48035291	0.00014386	No
						Dhrs3	3.23339	68.5588	4.40622	3.23439	68.5598	4.40579735	0.00014386	No
						Dhrs4	13.9972	81.6624	2.54453	13.9982	81.6634	2.54444831	0.00014386	No
						Dhx15	88.7435	40.1916	-1.14275	88.7445	40.1926	-1.1427278	0.00014386	No
						Dhx16	39.1981	16.982	-1.20678	39.1991	16.983	-1.2067292	0.00014386	No
						Dhx29	12.4685	7.10856	-0.810654	12.4695	7.10956	-0.8105714	0.00014386	No
						Dhx30	33.5007	21.7063	-0.626077	33.5017	21.7073	-0.626054	0.00014386	No
						Dhx33	5.54418	2.63354	-1.07397	5.54518	2.63454	-1.0736832	0.00014386	No
						Dhx35	16.3634	5.89565	-1.47275	16.3644	5.89665	-1.4725932	0.00014386	No
						Dhx36	22.7757	6.66192	-1.77348	22.7767	6.66292	-1.7733323	0.00014386	No
						Dhx37	8.74682	3.1962	-1.4524	8.74782	3.1972	-1.4521145	0.00014386	No
						Dhx38	18.0198	9.64504	-0.901724	18.0208	9.64604	-0.9016544	0.00014386	No
						Dhx40	12.6097	22.001	0.803036	12.6107	22.002	0.80298631	0.00014386	No
						Dhx8	14.5008	6.94752	-1.06156	14.5018	6.94852	-1.0614544	0.00014386	No
						Dhx9	42.2687	17.5996	-1.26405	42.2697	17.6006	-1.2639993	0.00014386	No
						Diablo	41.9749	63.5937	0.599356	41.9759	63.5947	0.59934528	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Diap1	30.3535	16.4976	-0.879605	30.3545	16.4986	-0.8795668	0.00014386	No
						Diap2	0.465425	7.73175	4.05417	0.466425	7.73275	4.05126455	0.00014386	No
						Dido1	13.7457	5.74121	-1.25955	13.7467	5.74221	-1.2594073	0.00014386	No
						Diexf	16.3206	7.07105	-1.2067	16.3216	7.07205	-1.2065821	0.00014386	No
						Dimt1	10.4616	3.34959	-1.64304	10.4626	3.35059	-1.6427543	0.00014386	No
						Dip2a	1.43509	5.23649	1.86746	1.43609	5.23749	1.86672942	0.00014386	No
						Dip2b	14.9247	2.09231	-2.83453	14.9257	2.09331	-2.8339407	0.00014386	No
						Dip2c	0.623796	1.39299	1.15904	0.624796	1.39399	1.15776309	0.00014386	No
						Dirc2	29.4616	17.9754	-0.712813	29.4626	17.9764	-0.7127806	0.00014386	No
						Dis3	8.96268	3.09143	-1.53566	8.96368	3.09243	-1.5353502	0.00014386	No
						Dis3l	9.35703	46.4541	2.31168	9.35803	46.4551	2.31156023	0.00014386	No
						Disc1	2.48991	0.469168	-2.40792	2.49091	0.470168	-2.4054246	0.00014386	No
						Dixdc1	0.107316	2.24429	4.38632	0.108316	2.24529	4.37358352	0.00014386	No
						Dkc1	111.733	148.281	0.408285	111.734	148.282	0.40827522	0.00014386	No
						Dkk1	0	3.56085	inf	0.001	3.56185	11.798411	0.00014386	No
						Dkk2	0	2.04704	inf	0.001	2.04804	11.0000282	0.00014386	No
						Dlat	7.60611	30.1208	1.98553	7.60711	30.1218	1.98538761	0.00014386	No
						Dlc1	0.172596	0.894799	2.37416	0.173596	0.895799	2.36744135	0.00014386	No
						Dld	39.3994	94.5639	1.26311	39.4004	94.5649	1.26309452	0.00014386	No
						Dlg1	14.0153	19.5721	0.481801	14.0163	19.5731	0.48176671	0.00014386	No
						Dlg4	7.58808	1.31209	-2.53187	7.58908	1.31309	-2.5309592	0.00014386	No
						Dlgap5	3.36252	1.82925	-0.87829	3.36352	1.83025	-0.8779311	0.00014386	No
						Dll4	0	1.66512	inf	0.001	1.66612	10.7022766	0.00014386	No
						Dlst	28.1765	80.5275	1.51499	28.1775	80.5285	1.51495584	0.00014386	No
						Dmap1	14.998	21.567	0.524059	14.999	21.568	0.52402608	0.00014386	No
						DMD	0.135236	2.57341	4.25013	0.136236	2.57441	4.24006195	0.00014386	No
						Dmp1	0	0.821914	inf	0.001	0.822914	9.68459786	0.00014386	No
						Dmpk	0.312689	35.25	6.81675	0.313689	35.251	6.81218543	0.00014386	No
						Dmrta2	0.11418	1.35321	3.567	0.11518	1.35421	3.55548935	0.00014386	No
						Dmrta2	0	6.10202	inf	0.001	6.10302	12.5753076	0.00014386	No
						Dmrta2	13.6985	0.194066	-6.14132	13.6995	0.195066	-6.1340171	0.00014386	No
						Dmtf1	34.5963	9.701	-1.83441	34.5973	9.702	-1.8343054	0.00014386	No
						Dmtn	0.165233	104.508	9.3049	0.166233	104.509	9.29620466	0.00014386	No
						Dmwd	0.407355	9.60414	4.5593	0.408355	9.60514	4.55591084	0.00014386	No
						Dmxl1	6.27088	2.24539	-1.4817	6.27188	2.24639	-1.4812895	0.00014386	No
						DNAH17	5.92011	0.398771	-3.89199	5.92111	0.399771	-3.8886219	0.00014386	No
						Dnaja3	31.2238	65.6482	1.07211	31.2248	65.6492	1.0720851	0.00014386	No
						Dnaja4	17.8711	35.6694	0.997063	17.8721	35.6704	0.99701823	0.00014386	No
						Dnaja4	29.1575	63.4495	1.12174	29.1585	63.4505	1.12171503	0.00014386	No
						Dnaja4	32.5712	42.7288	0.391613	32.5722	42.7298	0.3916014	0.00014386	No
						Dnaja4	30.0588	68.2061	1.18211	30.0598	68.2071	1.18208651	0.00014386	No
						Dnaja4	28.7965	19.4576	-0.565559	28.7975	19.4586	-0.5655357	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dnajb6	93.9319	30.5958	-1.61828	93.9329	30.5968	-1.6182498	0.00014386	No
						Dnajc1	59.3817	28.3882	-1.06473	59.3827	28.3892	-1.0647005	0.00014386	No
						Dnajc12	2.15655	16.998	2.97857	2.15755	16.999	2.97798398	0.00014386	No
						Dnajc15	16.4088	67.2686	2.03546	16.4098	67.2696	2.03539702	0.00014386	No
						Dnajc22	0.0626135	18.3091	8.19187	0.0636135	18.3101	8.16909099	0.00014386	No
						Dnajc25	0.486573	3.28775	2.75637	0.487573	3.28875	2.7538492	0.00014386	No
						Dnajc28	0.538427	4.53836	3.07535	0.539427	4.53936	3.07298927	0.00014386	No
						Dnajc3	36.9357	20.96	-0.817377	36.9367	20.961	-0.8173474	0.00014386	No
						Dnajc30	13.5494	25.9991	0.940231	13.5504	26.0001	0.94018173	0.00014386	No
						Dnajc4	5.43143	25.8137	2.24873	5.43243	25.8147	2.24852325	0.00014386	No
						Dnajc5	41.0536	17.9382	-1.19448	41.0546	17.9392	-1.1944283	0.00014386	No
						Dnajc7	137.929	51.8463	-1.41161	137.93	51.8473	-1.4115955	0.00014386	No
						Dnajc8	130.254	80.1616	-0.700344	130.255	80.1626	-0.7003375	0.00014386	No
						DNAJC9	80.4415	27.7884	-1.53346	80.4425	27.7894	-1.5334232	0.00014386	No
						Dnal1	0.396389	2.07501	2.38813	0.397389	2.07601	2.38518955	0.00014386	No
						Dnal4	1.25961	17.6209	3.80624	1.26061	17.6219	3.80517557	0.00014386	No
						Dnase1	0.283543	130.49	8.84616	0.284543	130.491	8.8410879	0.00014386	No
						Dnase1l1	42.9245	12.4553	-1.78504	42.9255	12.4563	-1.7849593	0.00014386	No
						Dnase2	30.6234	15.4533	-0.986723	30.6244	15.4543	-0.9866733	0.00014386	No
						DNLZ	28.9102	95.1165	1.71812	28.9112	95.1175	1.71808231	0.00014386	No
						Dnm1	0.812312	28.3881	5.12711	0.813312	28.3891	5.1253844	0.00014386	No
						Dnm2	86.4495	45.2117	-0.93516	86.4505	45.2127	-0.9351462	0.00014386	No
						Dnmbp	0.890198	13.3081	3.90203	0.891198	13.3091	3.90052321	0.00014386	No
						Dnmt1	24.2399	5.4025	-2.16568	24.2409	5.4035	-2.1654772	0.00014386	No
						Dnmt3b	12.5084	0.637218	-4.29497	12.5094	0.638218	-4.2928195	0.00014386	No
						Dnph1	1.33963	6.53627	2.28663	1.34063	6.53727	2.28577716	0.00014386	No
						Dnttip1	25.9377	39.3252	0.600401	25.9387	39.3262	0.60038461	0.00014386	No
						Dnttip2	25.4375	18.2859	-0.476223	25.4385	18.2869	-0.4762031	0.00014386	No
						Doc2g	25.7624	54.4943	1.08084	25.7634	54.4953	1.08080881	0.00014386	No
						Dock11	46.7023	4.1051	-3.508	46.7033	4.1061	-3.5076838	0.00014386	No
						Dock2	94.8538	3.06745	-4.95059	94.8548	3.06845	-4.9501388	0.00014386	No
						Dock5	0.221523	0.8696	1.97289	0.222523	0.8706	1.96805556	0.00014386	No
						Dock7	1.28372	11.2695	3.13402	1.28472	11.2705	3.13302565	0.00014386	No
						Dohh	17.4327	32.6638	0.905894	17.4337	32.6648	0.90585802	0.00014386	No
						Dok1	6.17555	1.59949	-1.94896	6.17655	1.60049	-1.9482876	0.00014386	No
						Donson	14.8165	2.20436	-2.74878	14.8175	2.20536	-2.748216	0.00014386	No
						Dopey1	25.7312	9.02856	-1.51095	25.7322	9.02956	-1.5108472	0.00014386	No
						Dpagt1	11.3526	21.279	0.90641	11.3536	21.28	0.90634833	0.00014386	No
						Dpcd	7.91076	49.1835	2.63629	7.91176	49.1845	2.63613317	0.00014386	No
						Dpep2	0.701563	4.15999	2.56793	0.702563	4.16099	2.56622732	0.00014386	No
						Dpf2	55.7928	34.7359	-0.683651	55.7938	34.7369	-0.6836358	0.00014386	No
						Dph2	6.93105	3.40019	-1.02746	6.93205	3.40119	-1.0272425	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dph5	16.4323	5.98356	-1.45746	16.4333	5.98456	-1.4573051	0.00014386	No
						Dph7	18.4571	10.5027	-0.813417	18.4581	10.5037	-0.8133564	0.00014386	No
						Dpm2	15.1033	26.2333	0.796537	15.1043	26.2343	0.79649497	0.00014386	No
						Dpm3	83.0243	126.656	0.609309	83.0253	126.657	0.60930388	0.00014386	No
						Dpp3	38.8743	26.0967	-0.574947	38.8753	26.0977	-0.5749311	0.00014386	No
						Dpp4	39.3821	62.4818	0.665897	39.3831	62.4828	0.66588243	0.00014386	No
						Dpp7	46.5405	74.9541	0.687522	46.5415	74.9551	0.68750893	0.00014386	No
						Dpp8	24.2984	15.7506	-0.62545	24.2994	15.7516	-0.6254223	0.00014386	No
						Dpp9	39.4119	25.8619	-0.607804	39.4129	25.8629	-0.6077839	0.00014386	No
						Dpy1911	7.98561	14.6079	0.871269	7.98661	14.6089	0.87119238	0.00014386	No
						Dpy1913	8.17045	22.4208	1.45635	8.17145	22.4218	1.45623809	0.00014386	No
						Dpy30	159.602	100.015	-0.674271	159.603	100.016	-0.674257	0.00014386	No
						Dpyd	0	3.00829	inf	0.001	3.00929	11.5552074	0.00014386	No
						Dpysl3	0	0.886062	inf	0.001	0.887062	9.79289113	0.00014386	No
						Dr1	21.1261	12.7203	-0.731893	21.1271	12.7213	-0.7318486	0.00014386	No
						Dram1	1.56481	4.8028	1.61789	1.56581	4.8038	1.61726693	0.00014386	No
						Drg1	37.3552	27.4976	-0.442003	37.3562	27.4986	-0.4419895	0.00014386	No
						Dse	12.0556	3.00306	-2.00519	12.0566	3.00406	-2.0048376	0.00014386	No
						Dsg2	0	1.39887	inf	0.001	1.39987	10.4510771	0.00014386	No
						Dsn1	8.53984	2.11583	-2.01299	8.54084	2.11683	-2.0124726	0.00014386	No
						Dsp	0.0191912	15.7603	9.68163	0.0201912	15.7613	9.60844416	0.00014386	No
						Dst	28.8318	62.6328	1.11926	28.8328	62.6338	1.11923046	0.00014386	No
						Dstn	107.627	223.389	1.05352	107.628	223.39	1.05351115	0.00014386	No
						Dstyk	2.71946	6.10703	1.16715	2.72046	6.10803	1.16685653	0.00014386	No
						Dtd1	40.0433	26.1783	-0.61319	40.0443	26.1793	-0.6131704	0.00014386	No
						Dtd2	8.60689	13.5394	0.653605	8.60789	13.5404	0.65353881	0.00014386	No
						Dtna	0	1.89989	inf	0.001	1.90089	10.8924593	0.00014386	No
						Dtnbp1	4.6596	14.478	1.63559	4.6606	14.479	1.63537436	0.00014386	No
						Dtwd2	2.18902	4.50303	1.04061	2.19002	4.50403	1.04027239	0.00014386	No
						Dtx1	9.62678	0.535163	-4.169	9.62778	0.536163	-4.1664596	0.00014386	No
						Dtx3	17.9471	50.6904	1.49796	17.9481	50.6914	1.49790988	0.00014386	No
						Dtx3l	8.12222	0.738305	-3.45959	8.12322	0.739305	-3.4578101	0.00014386	No
						Dus3l	30.4132	62.6572	1.04278	30.4142	62.6582	1.04275827	0.00014386	No
						Dusp1	23.3153	191.772	3.04005	23.3163	191.773	3.03998884	0.00014386	No
						Dusp10	7.42364	0.971572	-2.93373	7.42464	0.972572	-2.9324441	0.00014386	No
						Dusp12	13.2456	4.75808	-1.47706	13.2466	4.75908	-1.4768675	0.00014386	No
						Dusp16	5.907	3.91739	-0.592533	5.908	3.91839	-0.5924088	0.00014386	No
						Dusp18	6.24393	4.31759	-0.532229	6.24493	4.31859	-0.532125	0.00014386	No
						Dusp2	28.3152	11.1158	-1.34897	28.3162	11.1168	-1.3488861	0.00014386	No
						Dusp22	9.1551	33.0628	1.85256	9.1561	33.0638	1.85244742	0.00014386	No
						Dusp5	4.18892	8.74493	1.06187	4.18992	8.74593	1.0616891	0.00014386	No
						Dusp6	8.75809	19.8924	1.18353	8.75909	19.8934	1.18343697	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Dusp7	26.3746	16.0385	-0.717604	26.3756	16.0395	-0.7175747	0.00014386	No
						Dut	32.2956	63.9673	0.985995	32.2966	63.9683	0.98597485	0.00014386	No
						Dvl1	24.9261	57.2683	1.20008	24.9271	57.2693	1.20004692	0.00014386	No
						Dvl2	7.81066	4.63307	-0.753478	7.81166	4.63407	-0.7533493	0.00014386	No
						Dvl3	14.9676	6.84133	-1.1295	14.9686	6.84233	-1.1293797	0.00014386	No
						Dync1h1	30.0091	16.9026	-0.828157	30.0101	16.9036	-0.8281176	0.00014386	No
						Dync1i2	40.7622	29.6499	-0.459204	40.7632	29.6509	-0.4591914	0.00014386	No
						Dync1li2	11.594	16.2038	0.482952	11.595	16.2048	0.4829184	0.00014386	No
						Dync2li1	0.160773	19.3322	6.90984	0.161773	19.3332	6.9009658	0.00014386	No
						Dynll2	30.2307	115.413	1.93272	30.2317	115.414	1.93268422	0.00014386	No
						Dynlrb1	175.549	275.225	0.648735	175.55	275.226	0.64873477	0.00014386	No
						Dynlt1	26.3063	73.3199	1.4788	26.3073	73.3209	1.47876131	0.00014386	No
						Dynlt3	23.6298	40.3679	0.772602	23.6308	40.3689	0.7725758	0.00014386	No
						DYRK1A	35.9456	9.83345	-1.87005	35.9466	9.83445	-1.869939	0.00014386	No
						Dyrk1b	6.18894	13.0033	1.07112	6.18994	13.0043	1.07099141	0.00014386	No
						Dysf	0	17.9224	inf	0.001	17.9234	14.1295567	0.00014386	No
						Dzip1l	0	10.5013	inf	0.001	10.5023	13.3584177	0.00014386	No
						Dzip3	5.91836	1.77625	-1.73637	5.91936	1.77725	-1.7357946	0.00014386	No
						E130012A19 Rik	4.74477	0.526329	-3.1723	4.74577	0.527329	-3.1698669	0.00014386	No
						E2f2	15.5348	1.92338	-3.01379	15.5358	1.92438	-3.0131309	0.00014386	No
						E2f5	9.31855	19.0108	1.02865	9.31955	19.0118	1.02856293	0.00014386	No
						E2f6	26.0823	17.1826	-0.602125	26.0833	17.1836	-0.6020941	0.00014386	No
						Eaf1	4.89766	20.618	2.07374	4.89866	20.619	2.0735153	0.00014386	No
						Eapp	52.1357	35.5653	-0.5518	52.1367	35.5663	-0.5517884	0.00014386	No
						Ebag9	30.5574	18.3628	-0.734734	30.5584	18.3638	-0.7347044	0.00014386	No
						Ece1	10.2151	19.6073	0.940691	10.2161	19.6083	0.94061991	0.00014386	No
						Ech1	90.914	201.517	1.14833	90.915	201.518	1.14831846	0.00014386	No
						Eci1	24.2696	132.181	2.44529	24.2706	132.182	2.44524405	0.00014386	No
						Eci2	14.5983	58.2546	1.99657	14.5993	58.2556	1.99649754	0.00014386	No
						Eci3	6.60837	223.357	5.07892	6.60937	223.358	5.07870136	0.00014386	No
						Ecm1	2.82708	8.52161	1.59181	2.82808	8.52261	1.59147238	0.00014386	No
						Escr	0	5.28344	inf	0.001	5.28444	12.3675349	0.00014386	No
						Ecsit	14.9112	48.6748	1.70678	14.9122	48.6758	1.70671158	0.00014386	No
						Ect2	0.183362	1.01356	2.46666	0.184362	1.01456	2.46024096	0.00014386	No
						Edc4	16.1357	352.786	4.45047	16.1367	352.787	4.45037992	0.00014386	No
						Edem1	45.7758	16.3142	-1.48846	45.7768	16.3152	-1.4883999	0.00014386	No
						Edem2	19.8893	12.1355	-0.712766	19.8903	12.1365	-0.7127126	0.00014386	No
						Edem3	7.37539	4.68686	-0.654098	7.37639	4.68786	-0.6539854	0.00014386	No
						Edn3	0	1.25639	inf	0.001	1.25739	10.2962165	0.00014386	No
						Ednra	0	3.21916	inf	0.001	3.22016	11.6529167	0.00014386	No
						Eea1	3.29453	6.8055	1.04663	3.29553	6.8065	1.04640263	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eed	29.4938	13.8054	-1.09518	29.4948	13.8064	-1.0951234	0.00014386	No
						Eef1a1	10339	2360.87	-2.1307	10339.001	2360.871	-2.1307057	0.00014386	No
						Eef1b2	1349.62	304.212	-2.1494	1349.621	304.213	-2.1494006	0.00014386	No
						Eef1e1	13.6974	31.9875	1.22361	13.6984	31.9885	1.22354595	0.00014386	No
						Eepd1	0.133989	4.8888	5.1893	0.134989	4.8898	5.1788617	0.00014386	No
						Efcab2	2.1538	12.0612	2.48542	2.1548	12.0622	2.48486719	0.00014386	No
						Efcab4a	0.190564	9.27057	5.60431	0.191564	9.27157	5.59691529	0.00014386	No
						Efcab7	1.52029	3.88748	1.35449	1.52129	3.88848	1.35391112	0.00014386	No
						EFEMP2	1.46066	9.9133	2.76275	1.46166	9.9143	2.76190315	0.00014386	No
						Efhd2	71.8961	27.5586	-1.38341	71.8971	27.5596	-1.3833786	0.00014386	No
						Efna4	0.555246	7.01695	3.65965	0.556246	7.01795	3.65725471	0.00014386	No
						Efnb1	0.524343	18.495	5.14048	0.525343	18.496	5.13780982	0.00014386	No
						Efnb2	0.256417	5.16329	4.33173	0.257417	5.16429	4.32639078	0.00014386	No
						Efr3a	21.4247	13.5247	-0.663677	21.4257	13.5257	-0.6636391	0.00014386	No
						Eftud2	39.7386	21.9714	-0.854914	39.7396	21.9724	-0.8548849	0.00014386	No
						Egf	0.0871698	15.54	7.47794	0.0881698	15.541	7.46157904	0.00014386	No
						EGFL7	0.107237	11.8246	6.78485	0.108237	11.8256	6.77157582	0.00014386	No
						Egln3	2.4096	5.59491	1.21532	2.4106	5.59591	1.21498048	0.00014386	No
						Egr1	1.08195	69.43	6.00386	1.08295	69.431	6.00254141	0.00014386	No
						Ehbp1	1.2974	10.5701	3.0263	1.2984	10.5711	3.0253187	0.00014386	No
						EHBP1L1	33.938	23.0276	-0.559537	33.939	23.0286	-0.5595174	0.00014386	No
						Ehd1	9.58431	42.7732	2.15796	9.58531	42.7742	2.15784388	0.00014386	No
						Ehd3	81.1047	11.4967	-2.81856	81.1057	11.4977	-2.818458	0.00014386	No
						Ehd4	5.04173	13.3908	1.40925	5.04273	13.3918	1.409073	0.00014386	No
						Ehhadh	1.76364	15.144	3.10212	1.76464	15.145	3.10139578	0.00014386	No
						Ehmt1	12.3234	5.28867	-1.22043	12.3244	5.28967	-1.2202678	0.00014386	No
						Ehmt2	55.4225	40.7326	-0.444287	55.4235	40.7336	-0.4442785	0.00014386	No
						Eid2b	7.98748	2.95103	-1.43652	7.98848	2.95203	-1.4362136	0.00014386	No
						Eif1b	61.3565	114.65	0.901948	61.3575	114.651	0.90193733	0.00014386	No
						Eif2ak3	16.167	5.64354	-1.51838	16.168	5.64454	-1.5182133	0.00014386	No
						Eif2b1	17.446	26.8382	0.621394	17.447	26.8392	0.62136268	0.00014386	No
						Eif2b3	14.785	9.34617	-0.661692	14.786	9.34717	-0.6616303	0.00014386	No
						Eif2b4	25.4471	35.2842	0.471523	25.4481	35.2852	0.47150524	0.00014386	No
						Eif2s2	98.662	58.1959	-0.761577	98.663	58.1969	-0.7615668	0.00014386	No
						Eif2s3	102.696	24.7903	-2.05053	102.697	24.7913	-2.0504882	0.00014386	No
						Eif3a	63.6629	34.147	-0.898694	63.6639	34.148	-0.8986745	0.00014386	No
						Eif3b	75.0985	54.4204	-0.464637	75.0995	54.4214	-0.4646292	0.00014386	No
						Eif3c	85.1124	48.0007	-0.826316	85.1134	48.0017	-0.8263008	0.00014386	No
						Eif3d	90.4302	60.3229	-0.584099	90.4312	60.3239	-0.5840909	0.00014386	No
						Eif3e	369.841	93.21	-1.98835	369.842	93.211	-1.9883369	0.00014386	No
						EIF3F	373.283	132.924	-1.48967	373.284	132.925	-1.4896612	0.00014386	No
						Eif3g	301.033	145.44	-1.0495	301.034	145.441	-1.0494924	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eif3h	216.053	85.8519	-1.33146	216.054	85.8529	-1.3314532	0.00014386	No
						Eif3i	158.091	94.123	-0.748136	158.092	94.124	-0.7481298	0.00014386	No
						Eif3j	43.685	26.5469	-0.718595	43.686	26.5479	-0.7185733	0.00014386	No
						Eif3m	285.359	126.423	-1.17452	285.36	126.424	-1.1745128	0.00014386	No
						Eif4a1	233.865	155.895	-0.585107	233.866	155.896	-0.5850982	0.00014386	No
						Eif4a3	107.847	78.3131	-0.461661	107.848	78.3141	-0.4616554	0.00014386	No
						Eif4b	183.021	74.5701	-1.29534	183.022	74.5711	-1.2953285	0.00014386	No
						Eif4e	43.1835	29.5729	-0.546204	43.1845	29.5739	-0.5461891	0.00014386	No
						Eif4e2	63.9515	36.1548	-0.822791	63.9525	36.1558	-0.8227737	0.00014386	No
						Eif4e3	8.63721	3.60322	-1.26128	8.63821	3.60422	-1.2610453	0.00014386	No
						Eif4ebp1	39.4383	21.65	-0.865228	39.4393	21.651	-0.8652003	0.00014386	No
						Eif4ebp2	41.308	16.4224	-1.33075	41.309	16.4234	-1.3307033	0.00014386	No
						Eif4enif1	20.6413	12.9347	-0.674285	20.6423	12.9357	-0.6742456	0.00014386	No
						Eif4g1	26.0103	15.7739	-0.721536	26.0113	15.7749	-0.7215076	0.00014386	No
						Eif4g3	28.5374	11.7822	-1.27624	28.5384	11.7832	-1.2761731	0.00014386	No
						Eif5	124.427	49.4389	-1.33158	124.428	49.4399	-1.3315634	0.00014386	No
						Elac2	15.7347	10.6558	-0.562308	15.7357	10.6568	-0.5622671	0.00014386	No
						Elavl1	42.6987	22.5576	-0.920577	42.6997	22.5586	-0.9205484	0.00014386	No
						Elf1	68.2387	10.1292	-2.75207	68.2397	10.1302	-2.7519486	0.00014386	No
						Elf2	42.9945	11.6797	-1.88015	42.9955	11.6807	-1.8800589	0.00014386	No
						Elf4	31.8755	2.10345	-3.92162	31.8765	2.10445	-3.9209781	0.00014386	No
						Elf5	0	1.0579	inf	0.001	1.0589	10.0483506	0.00014386	No
						Elk1	32.4197	71.0505	1.13197	32.4207	71.0515	1.13194987	0.00014386	No
						Elk3	31.7754	6.58248	-2.27121	31.7764	6.58348	-2.2710334	0.00014386	No
						Elk4	41.2188	4.6488	-3.14837	41.2198	4.6498	-3.1480969	0.00014386	No
						Ell3	3.06499	11.2843	1.88036	3.06599	11.2853	1.88001987	0.00014386	No
						Elmo1	21.4347	1.50912	-3.82817	21.4357	1.51012	-3.8272804	0.00014386	No
						Elmo2	23.0981	12.9453	-0.835349	23.0991	12.9463	-0.8352968	0.00014386	No
						Elmod2	6.1123	4.38424	-0.479389	6.1133	4.38524	-0.4792956	0.00014386	No
						Elmod3	3.80111	6.68436	0.814368	3.80211	6.68536	0.81420498	0.00014386	No
						Elmsan1	20.1492	3.8397	-2.39166	20.1502	3.8407	-2.391353	0.00014386	No
						Eln	0.0222738	7.55314	8.40558	0.0232738	7.55414	8.34241693	0.00014386	No
						Elof1	30.6054	98.4068	1.68497	30.6064	98.4078	1.68493931	0.00014386	No
						Elov1	76.368	109.885	0.524956	76.369	109.886	0.52494855	0.00014386	No
						Elov15	149.623	17.8949	-3.06371	149.624	17.8959	-3.0636406	0.00014386	No
						ELP2	31.6714	18.9772	-0.738916	31.6724	18.9782	-0.738883	0.00014386	No
						Elp6	17.2648	27.8115	0.687852	17.2658	27.8125	0.68781625	0.00014386	No
						Elt1	0	6.00525	inf	0.001	6.00625	12.5522488	0.00014386	No
						Emc2	31.9213	53.3804	0.741791	31.9223	53.3814	0.74177254	0.00014386	No
						Emcn	0	38.9437	inf	0.001	38.9447	15.2491394	0.00014386	No
						Emd	29.3201	14.7917	-0.987107	29.3211	14.7927	-0.9870538	0.00014386	No
						Emilin1	0.301303	3.59251	3.57571	0.302303	3.59351	3.5713265	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eml2	2.95671	16.7689	2.50372	2.95771	16.7699	2.50332158	0.00014386	No
						Eml4	40.4481	7.81349	-2.37203	40.4491	7.81449	-2.371884	0.00014386	No
						Emp1	4.03505	7.43136	0.881042	4.03605	7.43236	0.88087634	0.00014386	No
						Emp3	273.389	26.5152	-3.36606	273.39	26.5162	-3.3660145	0.00014386	No
						Emr1	0.182147	0.931011	2.3537	0.183147	0.932011	2.34734491	0.00014386	No
						Emx1	0	19.0847	inf	0.001	19.0857	14.2202045	0.00014386	No
						Enah	0.096333	7.35339	6.25424	0.097333	7.35439	6.23953285	0.00014386	No
						Enc1	0.0941073	4.91452	5.7066	0.0951073	4.91552	5.69164415	0.00014386	No
						Endod1	1.53344	13.3501	3.12201	1.53444	13.3511	3.12117447	0.00014386	No
						Endov	6.39046	12.6826	0.988865	6.39146	12.6836	0.98874686	0.00014386	No
						Engase	6.34471	4.13765	-0.616743	6.34571	4.13865	-0.6166213	0.00014386	No
						Enkd1	0.284071	13.3075	5.54985	0.285071	13.3085	5.54488288	0.00014386	No
						Eno1	258.662	974.779	1.91401	258.663	974.78	1.91400295	0.00014386	No
						Enpp4	4.39803	6.13043	0.47913	4.39903	6.13143	0.47903815	0.00014386	No
						Enpp5	0.861661	22.9591	4.7358	0.862661	22.9601	4.73419138	0.00014386	No
						Enpp6	0	15.9135	inf	0.001	15.9145	13.9580542	0.00014386	No
						Enthd1	2.42245	0	-inf	2.42345	0.001	-11.242847	0.00014386	No
						Enthd2	17.6271	30.083	0.771154	17.6281	30.084	0.77111942	0.00014386	No
						Entpd2	5.47344	122.907	4.48897	5.47444	122.908	4.48872362	0.00014386	No
						Entpd4	23.2027	37.4318	0.689971	23.2037	37.4328	0.68994809	0.00014386	No
						Entpd6	6.1285	1.62493	-1.91515	6.1295	1.62593	-1.9145042	0.00014386	No
						Eny2	21.9069	32.6302	0.574821	21.9079	32.6312	0.57480084	0.00014386	No
						Eomes	10.9724	1.50551	-2.86555	10.9734	1.50651	-2.8647284	0.00014386	No
						EP300	5.77179	1.43739	-2.00557	5.77279	1.43839	-2.0048138	0.00014386	No
						Ep400	24.1431	9.13419	-1.40226	24.1441	9.13519	-1.402164	0.00014386	No
						Epas1	0.414809	29.3343	6.144	0.415809	29.3353	6.14057295	0.00014386	No
						Epb4.1	99.0174	18.3296	-2.4335	99.0184	18.3306	-2.4334426	0.00014386	No
						Epb4.1l5	1.70493	21.3834	3.64871	1.70593	21.3844	3.64792837	0.00014386	No
						Epb4l1l	0.0339286	47.4105	10.4485	0.0349286	47.4115	10.4066125	0.00014386	No
						Epb4l1l2	28.3906	5.56439	-2.35112	28.3916	5.56539	-2.3509095	0.00014386	No
						Epb4l1l3	0	38.042	inf	0.001	38.043	15.2153434	0.00014386	No
						Epb4l1l4a	0	25.4476	inf	0.001	25.4486	14.6352987	0.00014386	No
						EPC1	68.7817	17.3593	-1.98632	68.7827	17.3603	-1.9862539	0.00014386	No
						Epc2	28.8772	8.39043	-1.78311	28.8782	8.39143	-1.7829922	0.00014386	No
						Epg5	13.0461	2.25813	-2.53042	13.0471	2.25913	-2.52989	0.00014386	No
						Epha1	0.241793	14.5105	5.90718	0.242793	14.5115	5.90132602	0.00014386	No
						Ephb6	19.1633	1.93884	-3.30508	19.1643	1.93984	-3.3044117	0.00014386	No
						Ephx1	4.81684	52.6751	3.45096	4.81784	52.6761	3.45069015	0.00014386	No
						Eprs	36.7432	25.9413	-0.502223	36.7442	25.9423	-0.5022101	0.00014386	No
						Eps15	32.1606	11.8132	-1.4449	32.1616	11.8142	-1.4448172	0.00014386	No
						Eps15l1	44.5015	22.7093	-0.970571	44.5025	22.7103	-0.9705396	0.00014386	No
						Eps8	0.346112	18.6886	5.75478	0.347112	18.6896	5.75069064	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Eps8l1	0.0976871	20.1264	7.68671	0.0986871	20.1274	7.67208359	0.00014386	No
						Eps8l2	0.222437	194.823	9.77456	0.223437	194.824	9.76808759	0.00014386	No
						Ept1	10.0771	2.98998	-1.75288	10.0781	2.99098	-1.7525335	0.00014386	No
						Erb2ip	56.0141	29.2667	-0.93653	56.0151	29.2677	-0.9365064	0.00014386	No
						Erb3	0.250865	3.34125	3.7354	0.251865	3.34225	3.73009709	0.00014386	No
						Erb4	0	1.87629	inf	0.001	1.87729	10.8744358	0.00014386	No
						Ercc1	10.2682	25.4214	1.30786	10.2692	25.4224	1.30777644	0.00014386	No
						Ercc2	14.9066	10.1644	-0.552423	14.9076	10.1654	-0.552381	0.00014386	No
						Ercc3	35.8286	19.8187	-0.854247	35.8296	19.8197	-0.8542168	0.00014386	No
						Ercc6	10.0802	4.83766	-1.05915	10.0812	4.83866	-1.0589879	0.00014386	No
						Ercc6l	0.923961	0.114491	-3.0126	0.924961	0.115491	-3.0016121	0.00014386	No
						Ercc6l2	10.7652	7.39112	-0.542505	10.7662	7.39212	-0.542449	0.00014386	No
						Erg	0	2.3551	inf	0.001	2.3561	11.2021851	0.00014386	No
						Ergic3	49.325	75.6334	0.616704	49.326	75.6344	0.61669425	0.00014386	No
						Erh	241.567	141.148	-0.775215	241.568	141.149	-0.7752104	0.00014386	No
						Eri1	19.0007	8.65863	-1.13384	19.0017	8.65963	-1.1337512	0.00014386	No
						Eri2	2.48821	31.5571	3.66478	2.48921	31.5581	3.6642505	0.00014386	No
						Eri3	22.1467	51.9058	1.2288	22.1477	51.9068	1.22876666	0.00014386	No
						Erich1	5.60877	9.5576	0.768964	5.60977	9.5586	0.76885771	0.00014386	No
						Erich2	0	8.41858	inf	0.001	8.41958	13.0395326	0.00014386	No
						Erlec1	20.4166	35.384	0.793357	20.4176	35.385	0.79332463	0.00014386	No
						Erlin1	5.64818	9.00676	0.673222	5.64918	9.00776	0.67312692	0.00014386	No
						Erlin2	3.84703	10.8438	1.49505	3.84803	10.8448	1.4948115	0.00014386	No
						Ero1l	11.6411	7.72568	-0.591493	11.6421	7.72668	-0.5914308	0.00014386	No
						Ero1b	11.0415	3.24632	-1.76605	11.0425	3.24732	-1.7657454	0.00014386	No
						Erp27	9.70787	3.46102	-1.48796	9.70887	3.46202	-1.4876893	0.00014386	No
						Erp29	28.8749	77.4853	1.42411	28.8759	77.4863	1.42407534	0.00014386	No
						ERRF1	2.46244	51.4565	4.38519	2.46344	51.4575	4.38463513	0.00014386	No
						Esco1	26.4762	13.7434	-0.945953	26.4772	13.7444	-0.9459066	0.00014386	No
						Esd	24.7614	218.708	3.14284	24.7624	218.709	3.14278954	0.00014386	No
						Esf1	13.0085	7.82052	-0.734122	13.0095	7.82152	-0.7340446	0.00014386	No
						Esrra	6.43014	46.702	2.86056	6.43114	46.703	2.86036882	0.00014386	No
						Esrrb	0	5.10674	inf	0.001	5.10774	12.3184694	0.00014386	No
						Esyt2	77.6394	13.0962	-2.56764	77.6404	13.0972	-2.5675491	0.00014386	No
						Etf1	55.9627	37.4423	-0.579797	55.9637	37.4433	-0.5797838	0.00014386	No
						Etf2	36.7376	194.336	2.40322	36.7386	194.337	2.40319205	0.00014386	No
						Etf3	31.5542	404.163	3.67904	31.5552	404.164	3.67899115	0.00014386	No
						Etf4	10.8075	39.1325	1.85633	10.8085	39.1335	1.85623783	0.00014386	No
						Etnk1	69.8101	35.4234	-0.978733	69.8111	35.4244	-0.978713	0.00014386	No
						Etnppl	0	10.4886	inf	0.001	10.4896	13.356672	0.00014386	No
						Ets1	570.328	20.7294	-4.78204	570.329	20.7304	-4.7819745	0.00014386	No
						Ets2	4.87423	26.7029	2.45375	4.87523	26.7039	2.45350827	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Etv6	21.9105	9.05832	-1.27431	21.9115	9.05932	-1.2742136	0.00014386	No
						Evc2	0	3.40544	inf	0.001	3.40644	11.7340491	0.00014386	No
						Evi2a	53.8949	1.38332	-5.28394	53.8959	1.38432	-5.2829261	0.00014386	No
						Evi2b	46.0552	1.8118	-4.66787	46.0562	1.8128	-4.6671037	0.00014386	No
						Evi5	5.83366	30.4588	2.38439	5.83466	30.4598	2.38418597	0.00014386	No
						Evl	665.546	60.7863	-3.45272	665.547	60.7873	-3.4526987	0.00014386	No
						Ewsr1	6.04963	3.25233	-0.895374	6.05063	3.25333	-0.8951682	0.00014386	No
						Exd2	8.45119	5.74485	-0.556885	8.45219	5.74585	-0.5568049	0.00014386	No
						Exoc2	13.8983	10.1624	-0.451672	13.8993	10.1634	-0.4516291	0.00014386	No
						Exoc3l1	2.03793	11.0179	2.43468	2.03893	11.0189	2.43409606	0.00014386	No
						Exoc3l2	0.134352	3.95516	4.87965	0.135352	3.95616	4.86931266	0.00014386	No
						Exoc4	10.8782	5.99223	-0.860271	10.8792	5.99323	-0.8601668	0.00014386	No
						Exoc5	17.266	11.5591	-0.57891	17.267	11.5601	-0.5788636	0.00014386	No
						Exoc6	7.21961	30.8606	2.09577	7.22061	30.8616	2.09562023	0.00014386	No
						EXOC7	2.97604	7.39484	1.31313	2.97704	7.39584	1.31283541	0.00014386	No
						Exog	4.05802	2.4201	-0.745707	4.05902	2.4211	-0.7454688	0.00014386	No
						Exosc1	44.72	15.6253	-1.51703	44.721	15.6263	-1.5169762	0.00014386	No
						Exosc2	19.312	11.1551	-0.791788	19.313	11.1561	-0.7917395	0.00014386	No
						Exosc9	29.5843	11.1245	-1.41109	29.5853	11.1255	-1.4110103	0.00014386	No
						Exph5	0.0763115	2.73327	5.16258	0.0773115	2.73427	5.14432887	0.00014386	No
						Ext1	9.4836	13.2059	0.477673	9.4846	13.2069	0.47763303	0.00014386	No
						Ext2	15.2059	21.7496	0.516359	15.2069	21.7506	0.51632912	0.00014386	No
						Eya2	3.76552	10.7608	1.51487	3.76652	10.7618	1.51461531	0.00014386	No
						Eya3	12.1171	5.67106	-1.09536	12.1181	5.67206	-1.0952188	0.00014386	No
						Ezr	286.204	417.488	0.544691	286.205	417.489	0.54468931	0.00014386	No
						F11r	0.816615	74.2466	6.50653	0.817615	74.2476	6.50477892	0.00014386	No
						F13b	0	0.922781	inf	0.001	0.923781	9.85140706	0.00014386	No
						F3	0	11.9503	inf	0.001	11.9513	13.5448799	0.00014386	No
						F8	8.04599	2.17448	-1.8876	8.04699	2.17548	-1.8871155	0.00014386	No
						F8a1	29.9877	19.4947	-0.621284	29.9887	19.4957	-0.621263	0.00014386	No
						Fabp4	0	8.70636	inf	0.001	8.70736	13.0880197	0.00014386	No
						Fabp5	3.34397	23.8397	2.83373	3.34497	23.8407	2.83336142	0.00014386	No
						Fads3	0.214394	34.2582	7.32004	0.215394	34.2592	7.31336959	0.00014386	No
						Fads6	0.222241	1.96975	3.14782	0.223241	1.97075	3.14207086	0.00014386	No
						Faf2	16.863	8.51219	-0.986262	16.864	8.51319	-0.986175	0.00014386	No
						Fah	12.9227	180.128	3.80105	12.9237	180.129	3.8009394	0.00014386	No
						Fahd1	9.78662	95.2418	3.28271	9.78762	95.2428	3.28258004	0.00014386	No
						Fahd2a	20.2256	120.229	2.57153	20.2266	120.23	2.57147119	0.00014386	No
						Faim2	0	0.957496	inf	0.001	0.958496	9.9046286	0.00014386	No
						Faim3	20.1136	2.23535	-3.1696	20.1146	2.23635	-3.1690251	0.00014386	No
						FALZ	35.0734	8.66258	-2.01751	35.0744	8.66358	-2.0173832	0.00014386	No
						Fam102a	49.7885	9.29578	-2.42116	49.7895	9.29678	-2.4210385	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam105a	127.885	6.51598	-4.29471	127.886	6.51698	-4.294511	0.00014386	No
						Fam105b	94.0472	16.1073	-2.54567	94.0482	16.1083	-2.5455961	0.00014386	No
						Fam107b	85.3068	47.011	-0.859661	85.3078	47.012	-0.8596486	0.00014386	No
						Fam109a	0.715239	3.25183	2.18475	0.716239	3.25283	2.18318244	0.00014386	No
						Fam110b	0.436088	8.4847	4.28217	0.437088	8.4857	4.279038	0.00014386	No
						Fam111a	0.340973	1.34086	1.97543	0.341973	1.34186	1.97227983	0.00014386	No
						Fam114a1	0.0525464	5.34144	6.66749	0.0535464	5.34244	6.64056541	0.00014386	No
						Fam115a	0.0860302	6.11425	6.15119	0.0870302	6.11525	6.13475156	0.00014386	No
						Fam115c	9.95674	3.84047	-1.37439	9.95774	3.84147	-1.3741599	0.00014386	No
						Fam117a	141.039	10.8809	-3.69622	141.04	10.8819	-3.696102	0.00014386	No
						Fam117b	24.2765	5.25886	-2.20674	24.2775	5.25986	-2.2065236	0.00014386	No
						Fam118a	9.272	1.6237	-2.51359	9.273	1.6247	-2.5128628	0.00014386	No
						Fam118b	19.2582	6.40983	-1.58711	19.2592	6.41083	-1.5869647	0.00014386	No
						Fam120a	76.3186	51.2697	-0.573928	76.3196	51.2707	-0.573919	0.00014386	No
						FAM120C	0.476258	3.90948	3.03716	0.477258	3.91048	3.03450442	0.00014386	No
						Fam122b	2.53925	0.371996	-2.77105	2.54025	0.372996	-2.7677384	0.00014386	No
						Fam126a	4.20498	0.959746	-2.13137	4.20598	0.960746	-2.130215	0.00014386	No
						Fam127b	48.1868	116.996	1.27976	48.1878	116.997	1.2797317	0.00014386	No
						Fam133b	29.2897	14.8781	-0.977205	29.2907	14.8791	-0.9771554	0.00014386	No
						Fam134b	10.6124	19.557	0.881934	10.6134	19.558	0.88187195	0.00014386	No
						Fam134c	64.1282	13.2922	-2.27037	64.1292	13.2932	-2.270293	0.00014386	No
						Fam135a	0.0640627	4.28117	6.06238	0.0650627	4.28217	6.04036757	0.00014386	No
						Fam136a	6.06492	13.6751	1.17299	6.06592	13.6761	1.1728585	0.00014386	No
						Fam13a	0.00904489	7.80041	9.75223	0.01004489	7.80141	9.60112932	0.00014386	No
						Fam13b	37.325	16.4086	-1.18569	37.326	16.4096	-1.1856408	0.00014386	No
						Fam149a	0.0677205	23.8098	8.45775	0.0687205	23.8108	8.43665984	0.00014386	No
						Fam151a	0.604672	22.0081	5.18574	0.605672	22.0091	5.18341962	0.00014386	No
						Fam160a1	0	4.23213	inf	0.001	4.23313	12.0475091	0.00014386	No
						Fam160a2	11.442	7.36136	-0.636299	11.443	7.36236	-0.6362251	0.00014386	No
						Fam160b2	16.7217	11.2046	-0.577628	16.7227	11.2056	-0.5775879	0.00014386	No
						Fam162a	87.1628	160.039	0.876641	87.1638	160.04	0.87663154	0.00014386	No
						Fam168a	8.247	5.96371	-0.467659	8.248	5.96471	-0.4675923	0.00014386	No
						Fam168b	64.0235	28.2302	-1.18136	64.0245	28.2312	-1.1813336	0.00014386	No
						Fam169b	82.7869	1.42141	-5.864	82.7879	1.42241	-5.8630106	0.00014386	No
						Fam171a2	1.54909	19.9636	3.68788	1.55009	19.9646	3.68702028	0.00014386	No
						Fam175a	9.51576	3.35816	-1.50265	9.51676	3.35916	-1.50237	0.00014386	No
						Fam175b	16.3345	11.5782	-0.496518	16.3355	11.5792	-0.496475	0.00014386	No
						Fam178a	11.2924	4.41517	-1.35481	11.2934	4.41617	-1.3546123	0.00014386	No
						Fam179b	11.9752	5.57559	-1.10285	11.9762	5.57659	-1.1027151	0.00014386	No
						Fam184a	0.341193	13.0902	5.26176	0.342193	13.0912	5.25764329	0.00014386	No
						Fam185a	33.3563	9.2155	-1.85583	33.3573	9.2165	-1.8557116	0.00014386	No
						Fam188a	12.0313	19.4748	0.694812	12.0323	19.4758	0.69477015	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fam188b	0.392914	2.74933	2.80679	0.393914	2.75033	2.80365213	0.00014386	No
						Fam189a2	0	1.97377	inf	0.001	1.97477	10.9474689	0.00014386	No
						Fam195a	1.33267	58.0079	5.44385	1.33367	58.0089	5.44280062	0.00014386	No
						Fam195b	43.439	102.088	1.23275	43.44	102.089	1.23273142	0.00014386	No
						Fam19a3	41.2683	3.89054	-3.40699	41.2693	3.89154	-3.4066559	0.00014386	No
						Fam203a	21.377	8.71329	-1.29477	21.378	8.71429	-1.2946719	0.00014386	No
						Fam208a	35.5955	9.48981	-1.90725	35.5965	9.49081	-1.9071323	0.00014386	No
						Fam20b	8.62695	17.5967	1.02838	8.62795	17.5977	1.02829716	0.00014386	No
						Fam213a	1.70095	7.96331	2.22702	1.70195	7.96431	2.22636072	0.00014386	No
						Fam214a	17.5796	9.6095	-0.871373	17.5806	9.6105	-0.8713009	0.00014386	No
						Fam214b	1.2956	13.0919	3.33698	1.2966	13.0929	3.3359793	0.00014386	No
						Fam216a	5.13506	24.7358	2.26815	5.13606	24.7368	2.26792492	0.00014386	No
						Fam229a	1.38548	5.03445	1.86145	1.38648	5.03545	1.86069391	0.00014386	No
						Fam26f	107.447	3.02685	-5.14966	107.448	3.02785	-5.1492011	0.00014386	No
						Fam3c	17.928	29.5416	0.720534	17.929	29.5426	0.72050178	0.00014386	No
						Fam45a	14.3553	10.0508	-0.514274	14.3563	10.0518	-0.5142301	0.00014386	No
						Fam46a	1.66205	0.702197	-1.24302	1.66305	0.703197	-1.2418307	0.00014386	No
						Fam46c	18.2289	3.57434	-2.35048	18.2299	3.57534	-2.3501543	0.00014386	No
						FAM49B	132.17	17.1965	-2.94221	132.171	17.1975	-2.9421349	0.00014386	No
						Fam53a	42.8716	11.8591	-1.85403	42.8726	11.8601	-1.8539397	0.00014386	No
						Fam53b	9.92109	6.14855	-0.690252	9.92209	6.14955	-0.6901632	0.00014386	No
						Fam53c	14.1505	7.34413	-0.946186	14.1515	7.34513	-0.9460951	0.00014386	No
						Fam60a	19.0106	13.2975	-0.515646	19.0116	13.2985	-0.5156164	0.00014386	No
						Fam63a	10.2585	41.2518	2.00763	10.2595	41.2528	2.00753162	0.00014386	No
						Fam64a	0	1.10397	inf	0.001	1.10497	10.1097915	0.00014386	No
						Fam65b	121.919	2.02938	-5.90874	121.92	2.03038	-5.9080412	0.00014386	No
						Fam71a	0	2.98385	inf	0.001	2.98485	11.5434427	0.00014386	No
						Fam71b	2.33198	0	-inf	2.33298	0.001	-11.187958	0.00014386	No
						Fam73b	9.74247	20.0795	1.04337	9.74347	20.0805	1.04328763	0.00014386	No
						Fam76b	17.9498	5.34735	-1.74707	17.9508	5.34835	-1.7468824	0.00014386	No
						Fam78a	30.3148	0.751953	-5.33324	30.3158	0.752953	-5.3313663	0.00014386	No
						Fam81a	0.0435632	30.3898	9.44626	0.0445632	30.3908	9.4135661	0.00014386	No
						Fam83b	0	0.788073	inf	0.001	0.789073	9.62401497	0.00014386	No
						Fam84b	30.1576	13.7942	-1.12846	30.1586	13.7952	-1.1284031	0.00014386	No
						Fam89b	72.8601	49.934	-0.545106	72.8611	49.935	-0.5450974	0.00014386	No
						Fam8a1	17.7372	7.05499	-1.33006	17.7382	7.05599	-1.3299392	0.00014386	No
						Fam91a1	13.3421	21.9252	0.716607	13.3431	21.9262	0.71656192	0.00014386	No
						Fam92a1	12.9135	78.8336	2.60993	12.9145	78.8346	2.60983717	0.00014386	No
						Fam92b	0	1.05693	inf	0.001	1.05793	10.0470285	0.00014386	No
						FAM98C	98.2052	71.3284	-0.461321	98.2062	71.3294	-0.4613173	0.00014386	No
						Fan1	1.60415	3.29821	1.03988	1.60515	3.29921	1.03941249	0.00014386	No
						Fancb	4.55637	1.65885	-1.4577	4.55737	1.65985	-1.4571486	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fancc	1.74677	3.52459	1.01277	1.74777	3.52559	1.01234937	0.00014386	No
						Fancg	3.89417	1.21918	-1.6754	3.89517	1.22018	-1.6745923	0.00014386	No
						Fancl	23.8991	15.2303	-0.650016	23.9001	15.2313	-0.6499776	0.00014386	No
						Far1	12.8749	6.73985	-0.933773	12.8759	6.74085	-0.9336709	0.00014386	No
						Farp1	0.709874	25.069	5.1422	0.710874	25.07	5.14022432	0.00014386	No
						Fars2	12.2403	22.7186	0.892234	12.2413	22.7196	0.89218066	0.00014386	No
						Fasn	9.38002	6.57029	-0.513634	9.38102	6.57129	-0.5135682	0.00014386	No
						Fastkd1	27.4608	10.1965	-1.4293	27.4618	10.1975	-1.4292107	0.00014386	No
						Fau	4619.61	1775.55	-1.3795	4619.611	1775.551	-1.3795046	0.00014386	No
						Fbf1	13.8676	28.9464	1.06167	13.8686	28.9474	1.06161162	0.00014386	No
						Fbl	155.038	68.5835	-1.17669	155.039	68.5845	-1.1766767	0.00014386	No
						Fbln5	0	4.12825	inf	0.001	4.12925	12.0116641	0.00014386	No
						Fbrs	41.2527	9.7391	-2.08263	41.2537	9.7401	-2.082515	0.00014386	No
						Fbxl12	49.1601	14.0363	-1.80833	49.1611	14.0373	-1.8082517	0.00014386	No
						Fbxl20	19.5104	4.76572	-2.03348	19.5114	4.76672	-2.0332485	0.00014386	No
						Fbxl22	77.4374	28.1173	-1.46157	77.4384	28.1183	-1.4615398	0.00014386	No
						Fbxl3	46.1954	20.0027	-1.20755	46.1964	20.0037	-1.2075136	0.00014386	No
						Fbxl5	25.6963	48.0609	0.903303	25.6973	48.0619	0.9032769	0.00014386	No
						Fbxl6	25.666	14.7509	-0.799058	25.667	14.7519	-0.7990139	0.00014386	No
						Fbxo11	23.9992	9.53636	-1.33147	24.0002	9.53736	-1.3313845	0.00014386	No
						Fbxo16	0	6.56615	inf	0.001	6.56715	12.6810517	0.00014386	No
						Fbxo21	5.45427	17.6965	1.698	5.45527	17.6975	1.69782307	0.00014386	No
						Fbxo25	13.1721	8.12156	-0.697654	13.1731	8.12256	-0.6975885	0.00014386	No
						Fbxo3	59.0239	26.8868	-1.1344	59.0249	26.8878	-1.134372	0.00014386	No
						Fbxo31	41.7989	29.3896	-0.508161	41.7999	29.3906	-0.5081447	0.00014386	No
						Fbxo32	4.85763	2.0401	-1.25161	4.85863	2.0411	-1.2512027	0.00014386	No
						Fbxo33	20.4724	6.32944	-1.69353	20.4734	6.33044	-1.693373	0.00014386	No
						Fbxo34	10.1165	5.17907	-0.965951	10.1175	5.18007	-0.9658094	0.00014386	No
						Fbxo38	18.1841	12.2251	-0.572833	18.1851	12.2261	-0.5727926	0.00014386	No
						Fbxo39	8.08469	3.53619	-1.193	8.08569	3.53719	-1.1927672	0.00014386	No
						Fbxo4	0.899946	10.7068	3.57255	0.900946	10.7078	3.57107765	0.00014386	No
						Fbxo44	24.37	81.994	1.75041	24.371	81.995	1.75037049	0.00014386	No
						Fbxo5	3.70647	1.01899	-1.8629	3.70747	1.01999	-1.86188	0.00014386	No
						Fbxo8	9.82659	15.099	0.619689	9.82759	15.1	0.61963897	0.00014386	No
						Fbxw2	43.3627	25.8095	-0.748553	43.3637	25.8105	-0.7485298	0.00014386	No
						Fbxw5	37.4323	65.9992	0.818164	37.4333	66.0002	0.81814816	0.00014386	No
						Fbxw8	0.4619	11.6051	4.65103	0.4629	11.6061	4.64803889	0.00014386	No
						Fcf1	143.736	103.654	-0.471644	143.737	103.655	-0.4716418	0.00014386	No
						Fcgr1a	0.575256	3.50143	2.60567	0.576256	3.50243	2.60357444	0.00014386	No
						Fcgrt	8.14966	55.4314	2.76589	8.15066	55.4324	2.76574068	0.00014386	No
						Fcho1	70.4042	7.03317	-3.32342	70.4052	7.03417	-3.3232299	0.00014386	No
						Fcho2	10.3971	33.6123	1.69281	10.3981	33.6133	1.69271225	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fchsd2	22.7791	5.39696	-2.07749	22.7801	5.39796	-2.0772879	0.00014386	No
						Fcnb	8.34972	1.19192	-2.80844	8.35072	1.19292	-2.8074033	0.00014386	No
						Fcrl1	3.02226	0	-inf	3.02326	0.001	-11.561889	0.00014386	No
						Fdft1	8.14719	29.1126	1.83727	8.14819	29.1136	1.83714172	0.00014386	No
						Fdx1	13.4568	67.3391	2.32311	13.4578	67.3401	2.32302328	0.00014386	No
						Fdx1l	37.2502	57.8587	0.635284	37.2512	57.8597	0.63527194	0.00014386	No
						Fdxr	11.744	26.1203	1.15325	11.745	26.1213	1.15317999	0.00014386	No
						Fech	4.88801	18.9175	1.9524	4.88901	18.9185	1.95218344	0.00014386	No
						Fem1a	14.8567	22.219	0.580687	14.8577	22.22	0.58064802	0.00014386	No
						Fem1b	18.3472	5.98613	-1.61587	18.3482	5.98713	-1.615702	0.00014386	No
						Fem1c	6.07769	3.82582	-0.667752	6.07869	3.82682	-0.6676144	0.00014386	No
						Fermt2	1.06417	36.5494	5.10205	1.06517	36.5504	5.10073159	0.00014386	No
						Fermt3	127.97	12.4579	-3.36067	127.971	12.4589	-3.3605683	0.00014386	No
						Fert2	0.0457738	1.25929	4.78195	0.0467738	1.26029	4.75191129	0.00014386	No
						FEZ2	6.15347	35.308	2.52052	6.15447	35.309	2.52032943	0.00014386	No
						Fgd1	0.0356951	1.08053	4.91987	0.0366951	1.08153	4.88134244	0.00014386	No
						Fgf1	0.0198727	39.6265	10.9615	0.0208727	39.6275	10.890669	0.00014386	No
						Fgf12	0	5.29526	inf	0.001	5.29626	12.3707582	0.00014386	No
						Fgf13	0.555031	4.83499	3.12287	0.556031	4.83599	3.12057404	0.00014386	No
						Fgf9	0.0198019	39.365	10.9571	0.0208019	39.366	10.8860191	0.00014386	No
						Fgfbp3	0.530752	4.54705	3.09882	0.531752	4.54805	3.09642266	0.00014386	No
						Fgfr1	0.438898	19.0846	5.44238	0.439898	19.0856	5.43917169	0.00014386	No
						Fgfr1op	10.8153	4.78247	-1.17725	10.8163	4.78347	-1.1770776	0.00014386	No
						Fgfr1op2	45.0737	19.6765	-1.19581	45.0747	19.6775	-1.1957709	0.00014386	No
						Fgfr2	0	4.65773	inf	0.001	4.65873	12.185721	0.00014386	No
						Fggy	5.16864	75.2925	3.86465	5.16964	75.2935	3.8643896	0.00014386	No
						Fgl2	67.1518	2.48401	-4.75669	67.1528	2.48501	-4.756124	0.00014386	No
						Fh	14.038	131.746	3.23036	14.039	131.747	3.23025803	0.00014386	No
						Fhit	5.35797	26.6331	2.31346	5.35897	26.6341	2.31324689	0.00014386	No
						Fhl1	0.243575	5.3675	4.46181	0.244575	5.3685	4.4561702	0.00014386	No
						Fitm2	1.07024	4.69884	2.13437	1.07124	4.69984	2.13332991	0.00014386	No
						Fkbp14	17.5253	5.93806	-1.56137	17.5263	5.93906	-1.5612149	0.00014386	No
						Fkbp1a	98.2217	68.4494	-0.521003	98.2227	68.4504	-0.5209975	0.00014386	No
						Fkbp2	30.5116	96.5452	1.66185	30.5126	96.5462	1.66181436	0.00014386	No
						Fkbp5	30.3802	7.75542	-1.96985	30.3812	7.75642	-1.969716	0.00014386	No
						Flcn	25.2917	16.1642	-0.645862	25.2927	16.1652	-0.6458297	0.00014386	No
						Flii	34.8363	23.7214	-0.554406	34.8373	23.7224	-0.5543828	0.00014386	No
						Flna	147.728	16.0932	-3.19842	147.729	16.0942	-3.1983403	0.00014386	No
						FLOT2	71.4408	44.3126	-0.689032	71.4418	44.3136	-0.6890189	0.00014386	No
						Flrt1	0.00360126	3.61966	9.97314	0.00460126	3.62066	9.62000801	0.00014386	No
						Flt3l	29.3716	8.52857	-1.78405	29.3726	8.52957	-1.7839261	0.00014386	No
						Flvcr2	3.3872	23.4255	2.78991	3.3882	23.4265	2.78955048	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Flywch1	16.3183	51.0884	1.6465	16.3193	51.0894	1.64644482	0.00014386	No
						Flywch2	0	14.2224	inf	0.001	14.2234	13.7959788	0.00014386	No
						Fmc1	70.1151	108.107	0.624658	70.1161	108.108	0.62465563	0.00014386	No
						Fmn1	254.051	21.9471	-3.53302	254.052	21.9481	-3.5329559	0.00014386	No
						Fmn2	0.684905	2.57927	1.91299	0.685905	2.58027	1.91144136	0.00014386	No
						Fmn3	32.006	17.1659	-0.898794	32.007	17.1669	-0.8987579	0.00014386	No
						Fmo2	0	7.73503	inf	0.001	7.73603	12.9173777	0.00014386	No
						Fmo3	0	62.2132	inf	0.001	62.2142	15.9249563	0.00014386	No
						Fmo4	0.388784	30.3712	6.28759	0.389784	30.3722	6.28393273	0.00014386	No
						Fmo5	2.46374	9.02527	1.87312	2.46474	9.02627	1.87269447	0.00014386	No
						FMR1	32.6127	12.0006	-1.44233	32.6137	12.0016	-1.4422514	0.00014386	No
						FN1	3.3397	5.45743	0.708502	3.3407	5.45843	0.70833562	0.00014386	No
						Fnbp1	81.4794	7.1645	-3.5075	81.4804	7.1655	-3.5073138	0.00014386	No
						Fnbp4	115.705	18.264	-2.66337	115.706	18.265	-2.66331	0.00014386	No
						Fnip1	11.7474	3.04721	-1.94679	11.7484	3.04821	-1.9464301	0.00014386	No
						Fnip2	1.20061	10.007	3.05917	1.20161	10.008	3.05811307	0.00014386	No
						Fnta	28.8841	51.9814	0.847719	28.8851	51.9824	0.84769775	0.00014386	No
						Fntb	21.4412	2.87404	-2.89923	21.4422	2.87504	-2.898799	0.00014386	No
						Folh1	0	4.87785	inf	0.001	4.87885	12.2523254	0.00014386	No
						FOLR2	0.447466	403.398	9.81621	0.448466	403.399	9.81299318	0.00014386	No
						Folr4	1.01518	0	-inf	1.01618	0.001	-9.9889403	0.00014386	No
						Fos	5.2622	320.008	5.9263	5.2632	320.009	5.92602845	0.00014386	No
						Fosb	0.887635	56.2484	5.9857	0.888635	56.2494	5.98410293	0.00014386	No
						Fosl2	1.46292	9.84902	2.75113	1.46392	9.85002	2.75028994	0.00014386	No
						Foxh1	1.0695	11.3818	3.41172	1.0705	11.3828	3.41049878	0.00014386	No
						Foxj2	21.5116	8.13016	-1.40376	21.5126	8.13116	-1.4036488	0.00014386	No
						Foxk1	16.3765	3.56411	-2.20001	16.3775	3.56511	-2.1996967	0.00014386	No
						Foxn2	27.1209	4.90162	-2.46807	27.1219	4.90262	-2.4678334	0.00014386	No
						Foxn3	29.2238	5.28423	-2.46738	29.2248	5.28523	-2.467155	0.00014386	No
						Foxo1	50.6439	3.8618	-3.71304	50.6449	3.8628	-3.7126981	0.00014386	No
						Foxp1	41.2893	8.08078	-2.3532	41.2903	8.08178	-2.3530579	0.00014386	No
						Foxp3	14.6974	4.61406	-1.67145	14.6984	4.61506	-1.6712378	0.00014386	No
						Fpgs	4.91438	25.3136	2.36483	4.91538	25.3146	2.36459483	0.00014386	No
						Fra10ac1	15.5443	22.4785	0.532154	15.5453	22.4795	0.53213149	0.00014386	No
						Fras1	0	4.35609	inf	0.001	4.35709	12.0891492	0.00014386	No
						Frat2	52.9065	5.29157	-3.32168	52.9075	5.29257	-3.3214319	0.00014386	No
						Frg1l1	16.2335	5.98438	-1.4397	16.2345	5.98538	-1.4395482	0.00014386	No
						Frmd4a	0.58131	3.91229	2.75063	0.58231	3.91329	2.74852273	0.00014386	No
						Frmd4b	2.21873	35.9339	4.01754	2.21973	35.9349	4.01692956	0.00014386	No
						Frmd6	7.94925	4.4995	-0.821054	7.95025	4.5005	-0.8209149	0.00014386	No
						Frs2	5.31169	3.64592	-0.542889	5.31269	3.64692	-0.542764	0.00014386	No
						Frs3	1.13362	9.5894	3.0805	1.13462	9.5904	3.07938179	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Fryl	22.9445	8.21668	-1.48152	22.9455	8.21768	-1.4814082	0.00014386	No
						Frzb	0	1.61585	inf	0.001	1.61685	10.6589701	0.00014386	No
						Fst	0.287233	515.053	10.8083	0.288233	515.054	10.8032725	0.00014386	No
						Fstl1	0.0285176	119.396	12.0316	0.0295176	119.397	11.9819035	0.00014386	No
						Fstl3	0	2.563	inf	0.001	2.564	11.3241805	0.00014386	No
						Ftcd	1.87235	9.38226	2.32508	1.87335	9.38326	2.32446878	0.00014386	No
						Fth1	825.925	5521.58	2.741	825.926	5521.581	2.74099698	0.00014386	No
						Ftl	22.8795	157.316	2.78153	22.8805	157.317	2.7814841	0.00014386	No
						Ftsj3	40.4042	9.94843	-2.02197	40.4052	9.94943	-2.0218552	0.00014386	No
						Fubp1	40.9495	21.5024	-0.929346	40.9505	21.5034	-0.9293163	0.00014386	No
						Fubp3	18.9858	12.8319	-0.565187	18.9868	12.8329	-0.5651495	0.00014386	No
						Fuca2	1.25179	17.8271	3.83201	1.25279	17.8281	3.83093645	0.00014386	No
						Fundc1	42.0356	15.4195	-1.44685	42.0366	15.4205	-1.4467964	0.00014386	No
						Fuom	2.53753	18.9871	2.90352	2.53853	18.9881	2.90303034	0.00014386	No
						Fus	202.718	149.887	-0.4356	202.719	149.888	-0.4355964	0.00014386	No
						Fut10	0	0.891067	inf	0.001	0.892067	9.80100826	0.00014386	No
						Fut11	35.2798	26.7364	-0.400038	35.2808	26.7374	-0.4000241	0.00014386	No
						Fut8	17.3136	11.7561	-0.558495	17.3146	11.7571	-0.5584568	0.00014386	No
						Fuz	1.50924	12.1001	3.00312	1.51024	12.1011	3.00228846	0.00014386	No
						Fv1	26.8465	9.53108	-1.49402	26.8475	9.53208	-1.4939248	0.00014386	No
						Fxn	21.7259	34.1142	0.650957	21.7269	34.1152	0.65093233	0.00014386	No
						Fxyd1	0	12.8592	inf	0.001	12.8602	13.6506255	0.00014386	No
						Fxyd5	660.237	53.1422	-3.63505	660.238	53.1432	-3.6350292	0.00014386	No
						Fyb	150.905	2.76534	-5.77004	150.906	2.76634	-5.7695279	0.00014386	No
						Fyco1	25.15	10.001	-1.33041	25.151	10.002	-1.3303273	0.00014386	No
						Fyn	112.529	5.68071	-4.30808	112.53	5.68171	-4.3078407	0.00014386	No
						Fytd1	32.4511	14.1605	-1.19639	32.4521	14.1615	-1.1963378	0.00014386	No
						Fzd3	0.0680019	1.20286	4.14475	0.0690019	1.20386	4.12488773	0.00014386	No
						Fzd8	0.174625	2.35498	3.75338	0.175625	2.35598	3.74575716	0.00014386	No
						G0s2	0.717615	80.3045	6.80613	0.718615	80.3055	6.80413594	0.00014386	No
						G2E3	6.41371	1.41202	-2.1834	6.41471	1.41302	-2.1826022	0.00014386	No
						G3bp1	82.5752	47.7449	-0.79036	82.5762	47.7459	-0.7903492	0.00014386	No
						G3bp2	31.3073	20.611	-0.603084	31.3083	20.612	-0.6030607	0.00014386	No
						G6pc3	23.8644	34.5184	0.532504	23.8654	34.5194	0.53248687	0.00014386	No
						G6pd	42.679	24.2219	-0.817212	42.68	24.2229	-0.8171886	0.00014386	No
						Gaa	2.82872	14.2541	2.33315	2.82972	14.2551	2.33274695	0.00014386	No
						Gabarap	331.176	478.29	0.530285	331.177	478.291	0.53028616	0.00014386	No
						Gabarapl1	29.2704	234.557	3.00242	29.2714	234.558	3.00238105	0.00014386	No
						Gabarapl2	39.9651	77.6086	0.957477	39.9661	77.6096	0.95745832	0.00014386	No
						Gabpb1	22.6618	7.31751	-1.63084	22.6628	7.31851	-1.6307043	0.00014386	No
						Gabpb1l	5.20248	1.72615	-1.59164	5.20348	1.72715	-1.5910834	0.00014386	No
						Gabpb2	11.4458	4.36318	-1.39137	11.4468	4.36418	-1.3911618	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gabrp	0	6.39499	inf	0.001	6.39599	12.642952	0.00014386	No
						Gadd45a	30.3441	167.356	2.46343	30.3451	167.357	2.46339342	0.00014386	No
						Gadd45b	2.23082	54.4997	4.6106	2.23182	54.5007	4.60998218	0.00014386	No
						Gadd45g	2.10655	369.299	7.45376	2.10755	369.3	7.45308259	0.00014386	No
						Gak	67.0139	41.9963	-0.6742	67.0149	41.9973	-0.6741853	0.00014386	No
						Galc	3.14296	7.06751	1.16908	3.14396	7.06851	1.16882327	0.00014386	No
						Gale	27.644	7.39022	-1.90328	27.645	7.39122	-1.9031342	0.00014386	No
						Galk1	15.1834	42.7038	1.49187	15.1844	42.7048	1.49180833	0.00014386	No
						Galk2	24.7448	44.6752	0.852348	24.7458	44.6762	0.8523228	0.00014386	No
						Galm	12.1795	115.361	3.24362	12.1805	115.362	3.24352282	0.00014386	No
						Galnt1	40.7577	13.5237	-1.59159	40.7587	13.5247	-1.5915114	0.00014386	No
						Galnt10	23.0199	11.3343	-1.02219	23.0209	11.3353	-1.0221217	0.00014386	No
						Galnt11	25.4224	37.575	0.563675	25.4234	37.576	0.56365452	0.00014386	No
						Galnt12	10.835	2.53078	-2.09804	10.836	2.53178	-2.0976083	0.00014386	No
						Galnt13	0	16.6775	inf	0.001	16.6785	14.0257019	0.00014386	No
						Galnt3	0.123572	5.90133	5.57761	0.124572	5.90233	5.56623285	0.00014386	No
						Galnt6	37.2491	3.03883	-3.61562	37.2501	3.03983	-3.6151817	0.00014386	No
						Galnt7	7.09269	3.61649	-0.971741	7.09369	3.61749	-0.9715473	0.00014386	No
						Galt	26.8616	102.554	1.93277	26.8626	102.555	1.93272698	0.00014386	No
						Gan	2.86262	1.14188	-1.32592	2.86362	1.14288	-1.3251661	0.00014386	No
						Ganab	69.8367	43.2696	-0.690631	69.8377	43.2706	-0.6906189	0.00014386	No
						Ganc	9.60114	4.51981	-1.08694	9.60214	4.52081	-1.0867747	0.00014386	No
						Gapvd1	16.4415	11.0531	-0.572888	16.4425	11.0541	-0.5728481	0.00014386	No
						Gar1	19.8115	11.0353	-0.844216	19.8125	11.0363	-0.8441544	0.00014386	No
						Gart	34.5444	11.2722	-1.61568	34.5454	11.2732	-1.6155965	0.00014386	No
						Gas1	0	5.11726	inf	0.001	5.11826	12.3214377	0.00014386	No
						Gas2	0.0829158	5.5721	6.07043	0.0839158	5.5731	6.05339376	0.00014386	No
						Gas8	0.699743	6.11582	3.12765	0.700743	6.11682	3.12582449	0.00014386	No
						Gatad2a	28.4863	12.9653	-1.13561	28.4873	12.9663	-1.135552	0.00014386	No
						Gatad2b	62.4465	13.6791	-2.19064	62.4475	13.6801	-2.190565	0.00014386	No
						Gatc	8.61457	18.5579	1.10718	8.61557	18.5589	1.10709305	0.00014386	No
						Gatm	0.260528	980.822	11.8783	0.261528	980.823	11.8728117	0.00014386	No
						Gatsl3	10.436	44.9801	2.10771	10.437	44.9811	2.10761186	0.00014386	No
						Gbas	42.3199	116.934	1.46629	42.3209	116.935	1.4662646	0.00014386	No
						Gbp2	30.4685	9.67415	-1.65511	30.4695	9.67515	-1.6550099	0.00014386	No
						Gbp5	37.9362	3.33598	-3.5074	37.9372	3.33698	-3.5069983	0.00014386	No
						Gbp7	75.8512	3.85208	-4.29946	75.8522	3.85308	-4.299107	0.00014386	No
						Gc	0	4.44064	inf	0.001	4.44164	12.1168768	0.00014386	No
						Gca	0.73327	27.996	5.25473	0.73427	27.997	5.25281778	0.00014386	No
						Gcat	0.618775	22.4066	5.17837	0.619775	22.4076	5.17609976	0.00014386	No
						Gcdh	13.9995	128.405	3.19725	14.0005	128.406	3.19716236	0.00014386	No
						Gcfc2	7.42902	3.17613	-1.2259	7.43002	3.17713	-1.225642	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gchfr	0.585338	52.2755	6.48072	0.586338	52.2765	6.47828618	0.00014386	No
						Gclc	11.5116	200.07	4.11934	11.5126	200.071	4.11922647	0.00014386	No
						Gclm	10.426	142.574	3.77345	10.427	142.575	3.77332499	0.00014386	No
						Gcm1	0	2.94532	inf	0.001	2.94632	11.5246984	0.00014386	No
						Gcn1l1	25.1594	14.4164	-0.803393	25.1604	14.4174	-0.8033438	0.00014386	No
						Gcsh	7.96038	175.187	4.45992	7.96138	175.188	4.45974162	0.00014386	No
						Gde1	23.8362	78.0905	1.71199	23.8372	78.0915	1.71195074	0.00014386	No
						Gdi1	246.002	106.044	-1.214	246.003	106.045	-1.2139993	0.00014386	No
						Gdpd1	3.18113	8.7034	1.45204	3.18213	8.7044	1.45175208	0.00014386	No
						Gdpd5	0.295652	2.96256	3.32487	0.296652	2.96356	3.32048785	0.00014386	No
						Gemin2	24.2263	10.735	-1.17426	24.2273	10.736	-1.1741771	0.00014386	No
						Gemin4	10.9049	4.29146	-1.34544	10.9059	4.29246	-1.3452322	0.00014386	No
						Gemin6	7.50465	28.8217	1.9413	7.50565	28.8227	1.94115657	0.00014386	No
						Get4	14.1013	24.6069	0.803238	14.1023	24.6079	0.80319107	0.00014386	No
						Gfm1	13.8019	33.8221	1.2931	13.8029	33.8231	1.29303748	0.00014386	No
						Gfod2	0.888265	3.13164	1.81786	0.889265	3.13264	1.81669368	0.00014386	No
						Gfra3	80.8153	36.5872	-1.14329	80.8163	36.5882	-1.1432679	0.00014386	No
						Gfra4	0	3.14162	inf	0.001	3.14262	11.6177521	0.00014386	No
						Gga2	22.2498	40.3872	0.860108	22.2508	40.3882	0.86007664	0.00014386	No
						Gga3	23.0567	8.76573	-1.39524	23.0577	8.76673	-1.3951379	0.00014386	No
						Ggact	20.9705	72.2021	1.78368	20.9715	72.2031	1.78363072	0.00014386	No
						Ggct	26.5473	270.129	3.34701	26.5483	270.13	3.34696248	0.00014386	No
						Ggcx	4.42248	12.704	1.52236	4.42348	12.705	1.52214267	0.00014386	No
						Ggh	3.21441	31.6384	3.29905	3.21541	31.6394	3.29864763	0.00014386	No
						GGNBP2	58.8774	25.2116	-1.22362	58.8784	25.2126	-1.2235936	0.00014386	No
						Ggps1	14.4248	5.72562	-1.33305	14.4258	5.72662	-1.3328955	0.00014386	No
						Ggt1	2.73045	120.294	5.46129	2.73145	120.295	5.46076585	0.00014386	No
						Ggt7	2.20143	0.353675	-2.63794	2.20243	0.354675	-2.6345266	0.00014386	No
						Ghdc	1.64554	3.37202	1.03505	1.64654	3.37302	1.03460331	0.00014386	No
						Ghitm	124.55	199.69	0.681038	124.551	199.691	0.68103271	0.00014386	No
						Ghrhr	0	33.4892	inf	0.001	33.4902	15.0314514	0.00014386	No
						Gigyf1	19.5022	8.39684	-1.21572	19.5032	8.39784	-1.2156206	0.00014386	No
						Gigyf2	11.6645	18.5359	0.668201	11.6655	18.5369	0.66815185	0.00014386	No
						Gimap1	101.025	4.61194	-4.4532	101.026	4.61294	-4.4528963	0.00014386	No
						Gimap4	246.707	8.42709	-4.87162	246.708	8.42809	-4.871455	0.00014386	No
						GIMAP5	195.538	4.97662	-5.29614	195.539	4.97762	-5.2958565	0.00014386	No
						Gimap6	167.461	2.43151	-6.10583	167.462	2.43251	-6.1052442	0.00014386	No
						Gimap7	633.733	12.3233	-5.68441	633.734	12.3243	-5.6842998	0.00014386	No
						Gimap8	87.4201	1.81891	-5.58682	87.4211	1.81991	-5.5860425	0.00014386	No
						Gimap9	110.042	2.58515	-5.41166	110.043	2.58615	-5.4111176	0.00014386	No
						Ginm1	18.9466	37.5102	0.985343	18.9476	37.5112	0.9853063	0.00014386	No
						Giot1	8.54597	4.19034	-1.02818	8.54697	4.19134	-1.0280015	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gipc1	23.5637	59.2368	1.32993	23.5647	59.2378	1.32989075	0.00014386	No
						Gipr	0.764593	0.203388	-1.91046	0.765593	0.204388	-1.9052671	0.00014386	No
						Git1	21.9625	28.4975	0.375791	21.9635	28.4985	0.37577801	0.00014386	No
						Git2	113.949	26.8715	-2.08423	113.95	26.8725	-2.0841985	0.00014386	No
						Gja1	0.110833	2.29807	4.37396	0.111833	2.29907	4.36163252	0.00014386	No
						Gja4	0	9.9358	inf	0.001	9.9368	13.2785656	0.00014386	No
						Gjb2	0.197845	8.06121	5.34855	0.198845	8.06221	5.34145917	0.00014386	No
						Gjb4	0	1.04925	inf	0.001	1.05025	10.0365171	0.00014386	No
						Gjb5	0	2.75453	inf	0.001	2.75553	11.4281141	0.00014386	No
						Gk	2.23293	18.3549	3.03915	2.23393	18.3559	3.03858797	0.00014386	No
						Gkap1	7.45949	41.5008	2.47599	7.46049	41.5018	2.47583162	0.00014386	No
						Glb1	38.2223	97.1044	1.34512	38.2233	97.1054	1.34509919	0.00014386	No
						Glb1l	0.863774	8.06218	3.22244	0.864774	8.06318	3.22095388	0.00014386	No
						Glb1l2	0	6.85223	inf	0.001	6.85323	12.7425684	0.00014386	No
						Glcci1	28.8398	8.42421	-1.77545	28.8408	8.42521	-1.7753266	0.00014386	No
						Glce	12.3683	2.99463	-2.0462	12.3693	2.99563	-2.0458325	0.00014386	No
						Gle1	45.8758	16.478	-1.47719	45.8768	16.479	-1.4771361	0.00014386	No
						Glg1	13.4433	5.46021	-1.29986	13.4443	5.46121	-1.2997021	0.00014386	No
						Glpr1	185.97	7.96259	-4.54569	185.971	7.96359	-4.5455149	0.00014386	No
						Glis3	0	8.00414	inf	0.001	8.00514	12.9667109	0.00014386	No
						Glo1	130.404	88.8478	-0.553582	130.405	88.8488	-0.553575	0.00014386	No
						Glod5	15.3511	49.9076	1.70092	15.3521	49.9086	1.70085242	0.00014386	No
						Glrx	71.1867	17.2464	-2.04532	71.1877	17.2474	-2.0452491	0.00014386	No
						Glrx5	37.2055	133.816	1.84667	37.2065	133.817	1.84663482	0.00014386	No
						Gls	36.084	76.1621	1.07771	36.085	76.1631	1.07769295	0.00014386	No
						Git1d1	0	0.931008	inf	0.001	0.932008	9.86419853	0.00014386	No
						Gltpd1	2.31063	9.66216	2.06406	2.31163	9.66316	2.06358455	0.00014386	No
						Gltscr1	24.1317	5.92422	-2.02623	24.1327	5.92522	-2.0260487	0.00014386	No
						Gltscr2	250.806	132.218	-0.923657	250.807	132.219	-0.9236481	0.00014386	No
						Glud1	97.8302	193.36	0.982934	97.8312	193.361	0.9829303	0.00014386	No
						Glul	187.435	270.464	0.529049	187.436	270.465	0.52904384	0.00014386	No
						Glyat	0.0221433	277.256	13.6121	0.0231433	277.257	13.5483417	0.00014386	No
						Glyctk	1.40988	37.9201	4.74932	1.41088	37.9211	4.74833362	0.00014386	No
						Glyr1	66.3741	175.809	1.40532	66.3751	175.81	1.4053031	0.00014386	No
						Gm1043	2.00487	0	-inf	2.00587	0.001	-10.970012	0.00014386	No
						Gm11992	7.64178	25.0244	1.71136	7.64278	25.0254	1.71122372	0.00014386	No
						Gm14378	39.8033	11.1016	-1.84212	39.8043	11.1026	-1.8420267	0.00014386	No
						Gm17615	2.27809	59.7285	4.71252	2.27909	59.7295	4.71191384	0.00014386	No
						Gm20654	0.227031	4.45148	4.29333	0.228031	4.45248	4.28730726	0.00014386	No
						Gm2a	68.5208	49.5729	-0.466991	68.5218	49.5739	-0.4669823	0.00014386	No
						Gm3336	0.0690711	15.0688	7.76926	0.0700711	15.0698	7.74862501	0.00014386	No
						Gmcl1	37.3127	25.4063	-0.55448	37.3137	25.4073	-0.5544624	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Gmds	8.2187	22.7177	1.46683	8.2197	22.7187	1.46672264	0.00014386	No
						Gmeb1	10.2137	5.85579	-0.80257	10.2147	5.85679	-0.8024648	0.00014386	No
						Gmeb2	8.58816	3.54494	-1.27659	8.58916	3.54594	-1.2763489	0.00014386	No
						Gmfb	36.2985	27.1495	-0.418983	36.2995	27.1505	-0.4189709	0.00014386	No
						Gmfg	946.504	71.296	-3.73071	946.505	71.297	-3.7306968	0.00014386	No
						Gmppa	20.5698	44.0749	1.09943	20.5708	44.0759	1.09939213	0.00014386	No
						Gmpr	0.480388	35.2116	6.1957	0.481388	35.2126	6.19274777	0.00014386	No
						Gna11	6.11456	24.6689	2.01237	6.11556	24.6699	2.01219535	0.00014386	No
						Gna12	3.61669	41.5352	3.52159	3.61769	41.5362	3.52122854	0.00014386	No
						Gna13	37.4808	11.6715	-1.68316	37.4818	11.6725	-1.6830766	0.00014386	No
						Gnai1	0.566623	27.7473	5.61381	0.567623	27.7483	5.61132253	0.00014386	No
						Gnai2	425.291	120.369	-1.82099	425.292	120.37	-1.8209778	0.00014386	No
						Gnai3	68.1208	33.6827	-1.01609	68.1218	33.6837	-1.0160659	0.00014386	No
						Gnat3	0	1.56023	inf	0.001	1.56123	10.6084674	0.00014386	No
						Gnb1l	2.76968	7.4055	1.41888	2.77068	7.4065	1.41855185	0.00014386	No
						Gnb2l1	2869.39	548.548	-2.38705	2869.391	548.549	-2.3870522	0.00014386	No
						Gnb5	3.08922	13.6346	2.14195	3.09022	13.6356	2.14159673	0.00014386	No
						Gne	48.9847	22.912	-1.09623	48.9857	22.913	-1.0961943	0.00014386	No
						Gng10	27.2234	56.691	1.05827	27.2244	56.692	1.05824491	0.00014386	No
						Gng12	28.9161	146.052	2.33654	28.9171	146.053	2.33649721	0.00014386	No
						Gng2	34.0209	1.45665	-4.5457	34.0219	1.45765	-4.5447475	0.00014386	No
						Gng5	40.4493	71.904	0.829958	40.4503	71.905	0.82994169	0.00014386	No
						Gnl2	45.7387	24.3287	-0.910755	45.7397	24.3297	-0.9107284	0.00014386	No
						Gnl3	53.1052	13.9274	-1.93093	53.1062	13.9284	-1.9308508	0.00014386	No
						Gnl3l	33.8192	19.6692	-0.781901	33.8202	19.6702	-0.7818736	0.00014386	No
						Gnpda1	15.1563	39.1702	1.36984	15.1573	39.1712	1.36978054	0.00014386	No
						Gnpda2	24.0673	3.59476	-2.74311	24.0683	3.59576	-2.7427656	0.00014386	No
						Gnpnat1	17.0303	28.9998	0.767935	17.0313	29.0008	0.76790414	0.00014386	No
						GnpTAB	24.0947	8.74794	-1.4617	24.0957	8.74894	-1.4615956	0.00014386	No
						Golga2	12.2221	16.3429	0.419171	12.2231	16.3439	0.41914206	0.00014386	No
						Golgb1	9.9496	53.2951	2.42129	9.9506	53.2961	2.42117454	0.00014386	No
						Golim4	8.86992	12.4479	0.488914	8.87092	12.4489	0.48886263	0.00014386	No
						Golph3	39.5571	60.9688	0.624137	39.5581	60.9698	0.62412168	0.00014386	No
						Golt1b	21.478	14.0902	-0.608166	21.479	14.0912	-0.6081324	0.00014386	No
						Gon4l	15.1037	6.76114	-1.15956	15.1047	6.76214	-1.1594457	0.00014386	No
						Gopc	16.5152	11.5153	-0.52025	16.5162	11.5163	-0.5202045	0.00014386	No
						Gorasp1	0.670074	18.0893	4.75467	0.671074	18.0903	4.75260066	0.00014386	No
						Got1	26.937	94.0508	1.80385	26.938	94.0518	1.80381281	0.00014386	No
						Got2	60.744	148.53	1.28994	60.745	148.531	1.2899265	0.00014386	No
						Gpam	0.807812	8.25945	3.35395	0.808812	8.26045	3.35234407	0.00014386	No
						Gpatch1	7.4003	4.6899	-0.658028	7.4013	4.6909	-0.6579139	0.00014386	No
						Gpatch2l	15.8093	7.20657	-1.13339	15.8103	7.20757	-1.1332799	0.00014386	No

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						Gpatch4	13.1762	4.63104	-1.50852	13.1772	4.63204	-1.5083242	0.00014386	No
						Gpatch8	14.7564	4.89622	-1.5916	14.7574	4.89722	-1.5914037	0.00014386	No
						Gbp1	67.2076	26.4905	-1.34315	67.2086	26.4915	-1.3431163	0.00014386	No
						GPBP1L1	63.6882	26.5538	-1.26211	63.6892	26.5548	-1.2620761	0.00014386	No
						Gpc1	0.119085	2.60093	4.44897	0.120085	2.60193	4.43745429	0.00014386	No
						Gpcpd1	39.3535	8.0535	-2.2888	39.3545	8.0545	-2.2886617	0.00014386	No
						Gpd1l	9.25535	25.1119	1.44001	9.25635	25.1129	1.43991332	0.00014386	No
						Gphn	1.36027	12.453	3.19453	1.36127	12.454	3.19358403	0.00014386	No
						Gpi	249.218	327.259	0.393021	249.219	327.26	0.39302322	0.00014386	No
						Gpkow	15.6648	7.45965	-1.07035	15.6658	7.46065	-1.0702452	0.00014386	No
						Gpld1	1.09517	5.05119	2.20547	1.09617	5.05219	2.20443734	0.00014386	No
						Gpm6a	0	13.5839	inf	0.001	13.5849	13.7297163	0.00014386	No
						Gpn1	20.3281	14.1326	-0.52445	20.3291	14.1336	-0.5244174	0.00014386	No
						Gpnmb	0.186209	4.56136	4.61447	0.187209	4.56236	4.60705859	0.00014386	No
						Gpr108	60.2679	108.873	0.853189	60.2689	108.874	0.85317383	0.00014386	No
						Gpr125	0.305685	29.7234	6.60341	0.306685	29.7244	6.59874627	0.00014386	No
						Gpr126	0.00794936	26.5125	11.7035	0.00894936	26.5135	11.532655	0.00014386	No
						Gpr132	33.0924	1.56309	-4.40403	33.0934	1.56409	-4.4031481	0.00014386	No
						Gpr133	1.51877	0.590283	-1.36343	1.51977	0.591283	-1.3619323	0.00014386	No
						Gpr137b	0.221866	12.2246	5.78396	0.222866	12.2256	5.77758492	0.00014386	No
						Gpr155	7.90715	0.227129	-5.12158	7.90815	0.228129	-5.1154185	0.00014386	No
						Gpr171	41.6825	2.21818	-4.23199	41.6835	2.21918	-4.2313778	0.00014386	No
						Gpr174	14.7116	0.307593	-5.57979	14.7126	0.308593	-5.5752031	0.00014386	No
						Gpr18	17.4353	0.569014	-4.93741	17.4363	0.570014	-4.9349528	0.00014386	No
						Gpr183	32.1331	2.54061	-3.66081	32.1341	2.54161	-3.6602905	0.00014386	No
						Gpr25	1.49893	0	-inf	1.49993	0.001	-10.550679	0.00014386	No
						Gpr27	0	2.09028	inf	0.001	2.09128	11.0301705	0.00014386	No
						Gpr35	1.01399	0	-inf	1.01499	0.001	-9.9872498	0.00014386	No
						Gpr56	0.108465	136.703	10.2996	0.109465	136.704	10.2863701	0.00014386	No
						Gpr68	27.4136	1.72933	-3.9866	27.4146	1.73033	-3.9858253	0.00014386	No
						Gprin3	3.63628	0.330631	-3.45917	3.63728	0.331631	-3.4552092	0.00014386	No
						Gps1	32.1648	51.9455	0.691516	32.1658	51.9465	0.69149898	0.00014386	No
						Gpsm1	7.64072	4.99107	-0.614361	7.64172	4.99207	-0.6142592	0.00014386	No
						Gpt	1.27783	10.4178	3.02729	1.27883	10.4188	3.02629272	0.00014386	No
						Gpt2	0.474386	1.92233	2.01873	0.475386	1.92333	2.016435	0.00014386	No
						Gpx1	168.691	1127.89	2.74117	168.692	1127.891	2.74116419	0.00014386	No
						GPX4	129.075	368.797	1.51462	129.076	368.798	1.51461006	0.00014386	No
						Gramd1a	247.915	43.678	-2.50487	247.916	43.679	-2.5048397	0.00014386	No
						Gramd1c	0.175174	0.828345	2.24144	0.176174	0.829345	2.23497135	0.00014386	No
						Gramd3	0.195331	9.31863	5.57612	0.196331	9.31963	5.56891279	0.00014386	No
						Gramd4	46.1759	7.11182	-2.69885	46.1769	7.11282	-2.6986778	0.00014386	No
						Grap	157.794	7.32072	-4.42991	157.795	7.32172	-4.4297251	0.00014386	No

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						Grb14	0.51035	2.16039	2.08173	0.51135	2.16139	2.07957641	0.00014386	No
						Grb2	94.7498	46.716	-1.02021	94.7508	46.717	-1.0201905	0.00014386	No
						GREM1	0	8.3931	inf	0.001	8.3941	13.0351599	0.00014386	No
						Grhl3	0.735436	1.88631	1.35889	0.736436	1.88731	1.35769935	0.00014386	No
						Grhpr	9.14459	362.049	5.30712	9.14559	362.05	5.3069689	0.00014386	No
						Grik2	0	8.24402	inf	0.001	8.24502	13.0093073	0.00014386	No
						Grik5	0.045414	15.9688	8.4579	0.046414	15.9698	8.42657049	0.00014386	No
						Grina	97.8197	157.949	0.691262	97.8207	157.95	0.69125624	0.00014386	No
						Grip1	0.0050858	1.51801	8.22149	0.0060858	1.51901	7.96346873	0.00014386	No
						Gripap1	59.2171	13.8011	-2.10123	59.2181	13.8021	-2.1011504	0.00014386	No
						Grk4	3.52829	6.86562	0.960422	3.52929	6.86662	0.96022215	0.00014386	No
						Grk6	274.105	23.5626	-3.54015	274.106	23.5636	-3.540102	0.00014386	No
						Grn	30.5298	118.624	1.95811	30.5308	118.625	1.95807079	0.00014386	No
						Grpel1	29.374	81.3299	1.46924	29.375	81.3309	1.46921473	0.00014386	No
						Gsdma	2.94711	14.9874	2.34638	2.94811	14.9884	2.34598412	0.00014386	No
						Gsdmd	25.2953	4.73155	-2.41848	25.2963	4.73255	-2.4182367	0.00014386	No
						Gsg1l	0.761261	0	-inf	0.762261	0.001	-9.5741413	0.00014386	No
						Gsg2	28.3892	1.09339	-4.69846	28.3902	1.09439	-4.6971942	0.00014386	No
						Gsk3a	65.5738	36.0676	-0.862418	65.5748	36.0686	-0.8623981	0.00014386	No
						Gsk3b	16.0828	9.85234	-0.706983	16.0838	9.85334	-0.7069236	0.00014386	No
						GSPT1	65.7974	37.4396	-0.813466	65.7984	37.4406	-0.8134489	0.00014386	No
						Gsr	22.46	140.817	2.64839	22.461	140.818	2.64833769	0.00014386	No
						Gss	8.75161	110.832	3.66268	8.75261	110.833	3.6625304	0.00014386	No
						GSTA1	0.0528778	183.091	11.7576	0.0538778	183.092	11.7305902	0.00014386	No
						Gsta3	0.0106391	71.225	12.7088	0.0116391	71.226	12.5792088	0.00014386	No
						Gsta4	0.169205	316.212	10.8679	0.170205	316.213	10.8594075	0.00014386	No
						GSTA6	8.34218	30.5197	1.87125	8.34318	30.5207	1.87111877	0.00014386	No
						Gstk1	2.55172	47.9851	4.23305	2.55272	47.9861	4.23250936	0.00014386	No
						Gstm4	8.32795	12.3959	0.573824	8.32895	12.3969	0.57377286	0.00014386	No
						Gstm7	0.667215	29.3145	5.45732	0.668215	29.3155	5.45520748	0.00014386	No
						Gsto1	170.232	112.406	-0.59878	170.233	112.407	-0.5987789	0.00014386	No
						Gsto2	0.815929	3.87493	2.24766	0.816929	3.87593	2.24625991	0.00014386	No
						Gstp1	322.847	441.16	0.450452	322.848	441.161	0.45045017	0.00014386	No
						GSTT2	14.6504	41.5078	1.50244	14.6514	41.5088	1.5023787	0.00014386	No
						Gstz1	6.91533	34.6321	2.32424	6.91633	34.6331	2.32407292	0.00014386	No
						Gtf2a2	54.645	75.563	0.467591	54.646	75.564	0.46758318	0.00014386	No
						Gtf2e1	7.69203	4.92646	-0.642812	7.69303	4.92746	-0.6427078	0.00014386	No
						Gtf2f1	33.5161	62.9347	0.909	33.5171	62.9357	0.90898128	0.00014386	No
						Gtf2f2	16.081	10.323	-0.639485	16.082	10.324	-0.6394448	0.00014386	No
						Gtf2h1	23.2896	11.3909	-1.0318	23.2906	11.3919	-1.0317394	0.00014386	No
						Gtf2h3	17.3383	7.44658	-1.21931	17.3393	7.44758	-1.219202	0.00014386	No
						Gtf2h5	17.8485	47.6913	1.41792	17.8495	47.6923	1.4178727	0.00014386	No

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						Gtf2i	148.068	87.0058	-0.767074	148.069	87.0068	-0.7670696	0.00014386	No
						Gtf2ird1	4.75096	14.2352	1.58317	4.75196	14.2362	1.58296951	0.00014386	No
						GTF2IRD2	9.63892	3.60365	-1.41941	9.63992	3.60465	-1.419162	0.00014386	No
						Gtf3a	43.5533	30.6088	-0.508833	43.5543	30.6098	-0.5088215	0.00014386	No
						Gtf3c1	26.8977	11.9651	-1.16865	26.8987	11.9661	-1.1685834	0.00014386	No
						Gtf3c2	76.4488	34.7019	-1.13948	76.4498	34.7029	-1.1394565	0.00014386	No
						Gtf3c4	7.10998	2.65525	-1.421	7.11098	2.65625	-1.4206575	0.00014386	No
						Gtl3	15.9493	26.7142	0.744119	15.9503	26.7152	0.74407726	0.00014386	No
						Gtpbp4	23.9563	10.2476	-1.22512	23.9573	10.2486	-1.2250385	0.00014386	No
						Gtpbp5	76.1801	40.849	-0.899112	76.1811	40.85	-0.899097	0.00014386	No
						Guca2b	0	4.3437	inf	0.001	4.3447	12.0850408	0.00014386	No
						GUCD1	7.63516	22.4033	1.55298	7.63616	22.4043	1.55285641	0.00014386	No
						Gucy1b2	0.0833235	15.3335	7.52374	0.0843235	15.3345	7.50663066	0.00014386	No
						Gucy2g	0	1.7582	inf	0.001	1.7592	10.7807038	0.00014386	No
						Guk1	70.7299	125.731	0.829949	70.7309	125.732	0.82993935	0.00014386	No
						Gxylt1	17.769	7.92952	-1.16406	17.77	7.93052	-1.1639563	0.00014386	No
						Gyg1	8.58744	19.5527	1.18707	8.58844	19.5537	1.18697361	0.00014386	No
						Gylt1b	1.47174	16.2729	3.46688	1.47274	16.2739	3.46598537	0.00014386	No
						Gypc	10.3395	2.03236	-2.34694	10.3405	2.03336	-2.3463684	0.00014386	No
						Gys1	0.775587	9.09511	3.55173	0.776587	9.09611	3.55003024	0.00014386	No
						Gzf1	3.92227	6.03225	0.62101	3.92327	6.03325	0.62087874	0.00014386	No
						Gzma	7.66515	0.764741	-3.32527	7.66615	0.765741	-3.3235738	0.00014386	No
						Gzmk	28.0672	2.85383	-3.29791	28.0682	2.85483	-3.2974598	0.00014386	No
						Gzmm	126.675	18.6527	-2.76368	126.676	18.6537	-2.7636095	0.00014386	No
						H1fx	28.8346	75.1346	1.38168	28.8356	75.1356	1.38164559	0.00014386	No
						H2afj	51.3612	106.02	1.04559	51.3622	106.021	1.04557115	0.00014386	No
						H2afy	188.212	81.1002	-1.21458	188.213	81.1012	-1.2145711	0.00014386	No
						H2afz	206.308	106.97	-0.947592	206.309	106.971	-0.947587	0.00014386	No
						H6pd	0.522671	5.55331	3.40937	0.523671	5.55431	3.40687508	0.00014386	No
						Hace1	6.02219	2.78775	-1.11119	6.02319	2.78875	-1.1109092	0.00014386	No
						Hacl1	2.21648	18.4732	3.05909	2.21748	18.4742	3.05851889	0.00014386	No
						Hadh	24.0243	171.962	2.83953	24.0253	171.963	2.83947183	0.00014386	No
						Hadha	71.101	158.835	1.15959	71.102	158.836	1.15957589	0.00014386	No
						Hadhb	46.2588	107.939	1.22241	46.2598	107.94	1.22239866	0.00014386	No
						Hagh	13.5273	109.529	3.01736	13.5283	109.53	3.01727361	0.00014386	No
						Hao2	0.116326	1283.64	13.4298	0.117326	1283.641	13.4174314	0.00014386	No
						Hap1	12.0976	0.619636	-4.28716	12.0986	0.620636	-4.2849489	0.00014386	No
						Hars2	65.5371	46.5525	-0.493454	65.5381	46.5535	-0.4934442	0.00014386	No
						Hat1	45.3393	29.7024	-0.610182	45.3403	29.7034	-0.6101659	0.00014386	No
						Haus1	6.79437	2.50033	-1.44222	6.79537	2.50133	-1.4418567	0.00014386	No
						Haus4	4.95305	13.1295	1.40642	4.95405	13.1305	1.40624152	0.00014386	No
						Haus6	3.46713	0.599128	-2.53281	3.46813	0.600128	-2.5308158	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Havcr1	0.122229	6.1052	5.64238	0.123229	6.1062	5.63086113	0.00014386	No
						Hba1	83.0538	322.842	1.95871	83.0548	322.843	1.95869729	0.00014386	No
						Hba2	37.6665	197.202	2.38832	37.6675	197.203	2.38828931	0.00014386	No
						Hbb	34.7721	97.1205	1.48185	34.7731	97.1215	1.48181902	0.00014386	No
						Hbp1	32.4847	21.4248	-0.600478	32.4857	21.4258	-0.6004557	0.00014386	No
						Hcfc1r1	140.971	231.613	0.716324	140.972	231.614	0.71631382	0.00014386	No
						Hcfc2	24.0201	7.87907	-1.60815	24.0211	7.88007	-1.6080219	0.00014386	No
						Hcls1	148.795	16.266	-3.1934	148.796	16.267	-3.1933156	0.00014386	No
						Hcst	289.638	36.2786	-2.99706	289.639	36.2796	-2.9970254	0.00014386	No
						Hdac1	106.54	49.6931	-1.10027	106.541	49.6941	-1.1002622	0.00014386	No
						Hdac11	0.24091	26.9346	6.80483	0.24191	26.9356	6.79889998	0.00014386	No
						Hdac2	69.2402	40.644	-0.768565	69.2412	40.645	-0.7685528	0.00014386	No
						Hdac4	6.5895	1.708	-1.94786	6.5905	1.709	-1.9472355	0.00014386	No
						Hdac7	49.5091	17.143	-1.53008	49.5101	17.144	-1.5300191	0.00014386	No
						Hddc3	3.37733	52.3612	3.95454	3.37833	52.3622	3.95414355	0.00014386	No
						Hdgrfp3	8.80709	3.58993	-1.29471	8.80809	3.59093	-1.2944717	0.00014386	No
						Hdlbp	34.1001	59.9431	0.813815	34.1011	59.9441	0.81379949	0.00014386	No
						Heatr3	10.1713	3.735	-1.44532	10.1723	3.736	-1.4450796	0.00014386	No
						Heatr5b	6.05666	4.23018	-0.517805	6.05766	4.23118	-0.5177005	0.00014386	No
						Heatr6	7.09522	4.9745	-0.512297	7.09622	4.9755	-0.5122092	0.00014386	No
						HEBP1	1.39148	7.74874	2.47734	1.39248	7.74974	2.4764913	0.00014386	No
						Hebp2	5.11474	2.60736	-0.97207	5.11574	2.60836	-0.9717999	0.00014386	No
						Heca	190.552	9.50975	-4.32463	190.553	9.51075	-4.3244894	0.00014386	No
						Hectd1	30.1095	13.3428	-1.17416	30.1105	13.3438	-1.1740971	0.00014386	No
						Heg1	4.89937	11.1959	1.1923	4.90037	11.1969	1.19213677	0.00014386	No
						Helb	23.3399	4.63295	-2.3328	23.3409	4.63395	-2.3325458	0.00014386	No
						Helz	14.1364	3.49732	-2.0151	14.1374	3.49832	-2.0147827	0.00014386	No
						Helz2	27.1258	6.78323	-1.99962	27.1268	6.78423	-1.9994619	0.00014386	No
						Herc1	57.6562	15.9709	-1.85203	57.6572	15.9719	-1.8519648	0.00014386	No
						Herc2	36.3989	20.1606	-0.852356	36.3999	20.1616	-0.8523244	0.00014386	No
						Herc3	13.7537	5.94862	-1.2092	13.7547	5.94962	-1.2090552	0.00014386	No
						Herc4	29.71	8.07717	-1.87903	29.711	8.07817	-1.8788968	0.00014386	No
						Herc6	17.2321	4.49795	-1.93776	17.2331	4.49895	-1.937522	0.00014386	No
						Herpud1	61.982	90.8933	0.552325	61.983	90.8943	0.55231724	0.00014386	No
						Herpud2	41.261	15.1088	-1.44939	41.262	15.1098	-1.4493292	0.00014386	No
						Hes1	0.318317	83.5215	8.03554	0.319317	83.5225	8.03103172	0.00014386	No
						Hes6	25.0586	71.298	1.50856	25.0596	71.299	1.50851846	0.00014386	No
						Hexb	7.01215	90.5759	3.6912	7.01315	90.5769	3.69100867	0.00014386	No
						Hexdc	53.5823	88.3884	0.7221	53.5833	88.3894	0.72208993	0.00014386	No
						Hexim1	82.7322	54.7796	-0.59481	82.7332	54.7806	-0.5948013	0.00014386	No
						Heyl	0	4.28631	inf	0.001	4.28731	12.065857	0.00014386	No
						Hgs	21.3261	52.6882	1.30486	21.3271	52.6892	1.30481947	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hgsnat	48.7853	21.6286	-1.17351	48.7863	21.6296	-1.1734691	0.00014386	No
						Hiat1	43.5472	17.6415	-1.30361	43.5482	17.6425	-1.3035581	0.00014386	No
						Hibadh	44.4177	203.096	2.19296	44.4187	203.097	2.19292985	0.00014386	No
						Hibch	8.43047	21.6113	1.3581	8.43147	21.6123	1.35799653	0.00014386	No
						Hic2	0.335366	1.18494	1.82101	0.336366	1.18594	1.81792723	0.00014386	No
						Hif1a	42.037	25.5585	-0.717856	42.038	25.5595	-0.7178344	0.00014386	No
						Higd1a	23.0637	70.0891	1.60356	23.0647	70.0901	1.60352416	0.00014386	No
						Higd2a	84.4985	152.051	0.84756	84.4995	152.052	0.84755008	0.00014386	No
						Hint2	57.3636	249.809	2.12261	57.3646	249.81	2.12259861	0.00014386	No
						Hint3	10.2835	26.1905	1.34872	10.2845	26.1915	1.34862703	0.00014386	No
						Hip1	0.320753	6.21876	4.27709	0.321753	6.21976	4.27283341	0.00014386	No
						Hip1r	32.3938	9.8235	-1.72141	32.3948	9.8245	-1.7213064	0.00014386	No
						Hipk1	58.7903	16.5607	-1.82781	58.7913	16.5617	-1.8277519	0.00014386	No
						Hipk2	1.95723	6.14775	1.65124	1.95823	6.14875	1.65074293	0.00014386	No
						Hira	13.9792	4.68678	-1.57662	13.9802	4.68778	-1.5764082	0.00014386	No
						Hist1h1d	161.229	293.368	0.863603	161.23	293.369	0.86359622	0.00014386	No
						Hist1h2bq	65.0053	185.521	1.51295	65.0063	185.522	1.51293883	0.00014386	No
						Hist2h2aa3	49.7268	288.785	2.5379	49.7278	288.786	2.53787629	0.00014386	No
						Hist3h2a	9.71242	48.4843	2.31961	9.71342	48.4853	2.31949616	0.00014386	No
						Hist3h2ba	11.4944	5.55598	-1.04882	11.4954	5.55698	-1.0486837	0.00014386	No
						Hivep1	4.73242	2.85295	-0.730127	4.73342	2.85395	-0.7299229	0.00014386	No
						Hivep2	8.28906	2.41465	-1.77939	8.29006	2.41565	-1.7789711	0.00014386	No
						Hk2	6.05652	1.58243	-1.93635	6.05752	1.58343	-1.9356742	0.00014386	No
						Hkdc1	0	1.71778	inf	0.001	1.71878	10.7471692	0.00014386	No
						Hlcs	4.88014	2.32791	-1.06789	4.88114	2.32891	-1.0675632	0.00014386	No
						Hltf	30.1785	7.65352	-1.97932	30.1795	7.65452	-1.9791851	0.00014386	No
						Hm13	104.955	277.613	1.4033	104.956	277.614	1.40329568	0.00014386	No
						Hmbox1	14.2897	5.78274	-1.30515	14.2907	5.78374	-1.305002	0.00014386	No
						Hmbs	12.3575	28.101	1.18523	12.3585	28.102	1.18516916	0.00014386	No
						Hmg20a	49.0671	9.32672	-2.39531	49.0681	9.32772	-2.395189	0.00014386	No
						Hmga1	39.1352	20.9099	-0.904281	39.1362	20.9109	-0.9042485	0.00014386	No
						Hmgb2	478.376	43.4167	-3.46182	478.377	43.4177	-3.4617928	0.00014386	No
						Hmgcl	23.347	67.6917	1.53574	23.348	67.6927	1.53570129	0.00014386	No
						Hmgcs1	10.217	17.3062	0.760317	10.218	17.3072	0.7602595	0.00014386	No
						Hmgcs2	0.197275	14.6202	6.21161	0.198275	14.6212	6.20441513	0.00014386	No
						Hmgn2	185.39	111.103	-0.738668	185.391	111.104	-0.7386605	0.00014386	No
						Hmgn3	27.4205	69.4223	1.34014	27.4215	69.4233	1.34011245	0.00014386	No
						Hmgn5b	5.23948	10.6466	1.02289	5.24048	10.6476	1.02275741	0.00014386	No
						Hmgxb4	6.12736	4.20837	-0.542005	6.12836	4.20937	-0.5418967	0.00014386	No
						Hmha1	378.868	33.9544	-3.48002	378.869	33.9554	-3.4799862	0.00014386	No
						Hmox1	0.29768	7.2292	4.602	0.29868	7.2302	4.59736301	0.00014386	No
						Hmox2	23.1694	43.1409	0.896835	23.1704	43.1419	0.89680676	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hmx2	0	1.1406	inf	0.001	1.1416	10.1568415	0.00014386	No
						Hn1	125.696	52.0227	-1.27273	125.697	52.0237	-1.2727093	0.00014386	No
						Hnf4g	0	3.41565	inf	0.001	3.41665	11.7383668	0.00014386	No
						Hnmt	0	15.7982	inf	0.001	15.7992	13.9475639	0.00014386	No
						Hnrnpa0	505.349	119.136	-2.08466	505.35	119.137	-2.0846614	0.00014386	No
						HNRNPA1	840.398	126.988	-2.72638	840.399	126.989	-2.7263709	0.00014386	No
						Hnrnpa2b1	629.289	264.545	-1.25021	629.29	264.546	-1.2502064	0.00014386	No
						Hnrnpab	182.078	104.596	-0.799728	182.079	104.597	-0.7997231	0.00014386	No
						Hnrnpdl	131.482	44.8465	-1.5518	131.483	44.8475	-1.5517768	0.00014386	No
						Hnrnpf	329.469	119.476	-1.46342	329.47	119.477	-1.4634142	0.00014386	No
						Hnrnp1	223.042	120.505	-0.888225	223.043	120.506	-0.8882169	0.00014386	No
						Hnrnp2	42.2836	31.0563	-0.445212	42.2846	31.0573	-0.4451999	0.00014386	No
						Hnrnpk	331.416	175.482	-0.917318	331.417	175.483	-0.9173163	0.00014386	No
						Hnrnpl	384.484	233.585	-0.718976	384.485	233.586	-0.7189735	0.00014386	No
						Hnrnpm	208.174	105.021	-0.987115	208.175	105.022	-0.9871052	0.00014386	No
						Hnrnpr	67.8029	32.0259	-1.08211	67.8039	32.0269	-1.0820841	0.00014386	No
						Hnrnpu	247.09	95.715	-1.36822	247.091	95.716	-1.3682105	0.00014386	No
						Hnrnpul2	91.4609	31.6343	-1.53167	91.4619	31.6353	-1.5316356	0.00014386	No
						Hnrpd	214.805	73.8712	-1.53994	214.806	73.8722	-1.5399308	0.00014386	No
						Homer1	0.224106	1.78237	2.99154	0.225106	1.78337	2.98592964	0.00014386	No
						Homer3	6.68467	20.588	1.62288	6.68567	20.589	1.62272971	0.00014386	No
						Hook1	0.401314	8.4259	4.39203	0.402314	8.4269	4.38860816	0.00014386	No
						Hook2	2.46358	42.8692	4.12111	2.46458	42.8702	4.12056143	0.00014386	No
						HOOK3	17.2058	11.3052	-0.605914	17.2068	11.3062	-0.6058647	0.00014386	No
						Hopx	14.1348	3.90405	-1.85621	14.1358	3.90505	-1.8559406	0.00014386	No
						Hormad2	1.80031	5.70108	1.66299	1.80131	5.70208	1.66244179	0.00014386	No
						Hoxa3	0	3.13501	inf	0.001	3.13601	11.6147144	0.00014386	No
						Hoxa9	0	2.39615	inf	0.001	2.39715	11.2271045	0.00014386	No
						Hoxc10	0	6.94357	inf	0.001	6.94457	12.7616697	0.00014386	No
						Hpcal1	134.923	88.5054	-0.608297	134.924	88.5064	-0.6082933	0.00014386	No
						Hpgds	1.07347	0	-inf	1.07447	0.001	-10.069409	0.00014386	No
						Hps3	21.2184	9.8082	-1.11326	21.2194	9.8092	-1.1131765	0.00014386	No
						Hps4	9.99227	17.7837	0.831673	9.99327	17.7847	0.8316079	0.00014386	No
						Hps5	14.2322	5.81974	-1.29013	14.2332	5.82074	-1.2899856	0.00014386	No
						Hpse	19.8192	1.3849	-3.83904	19.8202	1.3859	-3.8380765	0.00014386	No
						Hpx	0.288967	2.88041	3.3173	0.289967	2.88141	3.31281433	0.00014386	No
						Hrct1	0	17.2009	inf	0.001	17.2019	14.0702803	0.00014386	No
						Hrg	0	1.21125	inf	0.001	1.21225	10.2434715	0.00014386	No
						Hrsp12	33.8472	1314.26	5.27907	33.8482	1314.261	5.27902888	0.00014386	No
						Hs1bp3	6.4297	11.9553	0.894821	6.4307	11.9563	0.89472331	0.00014386	No
						Hs2st1	18.3439	8.93936	-1.03705	18.3449	8.94036	-1.0369742	0.00014386	No
						Hs6st1	6.03606	23.0838	1.9352	6.03706	23.0848	1.93502519	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Hsbp1	79.7344	302.198	1.92222	79.7354	302.199	1.9222066	0.00014386	No
						Hscb	40.4148	23.3483	-0.791567	40.4158	23.3493	-0.7915401	0.00014386	No
						Hsd11b1	4.80882	87.0293	4.17775	4.80982	87.0303	4.17746296	0.00014386	No
						Hsd11b2	0.040577	104.176	11.3261	0.041577	104.177	11.2909635	0.00014386	No
						Hsd17b10	87.4982	266.656	1.60766	87.4992	266.657	1.60764347	0.00014386	No
						Hsd17b2	0	3.45304	inf	0.001	3.45404	11.7540691	0.00014386	No
						Hsd17b4	17.9354	78.6447	2.13254	17.9364	78.6457	2.13247753	0.00014386	No
						Hsd3b7	27.8881	17.4841	-0.673607	27.8891	17.4851	-0.6735753	0.00014386	No
						Hsdl1	20.7596	10.2308	-1.02086	20.7606	10.2318	-1.0207882	0.00014386	No
						Hsdl2	8.30592	43.0365	2.37335	8.30692	43.0375	2.37320871	0.00014386	No
						Hsf1	40.8537	18.4322	-1.14824	40.8547	18.4332	-1.1481955	0.00014386	No
						Hsf2	3.52504	9.06991	1.36345	3.52604	9.07091	1.36319845	0.00014386	No
						Hsh2d	23.6733	1.56432	-3.91965	23.6743	1.56532	-3.9187922	0.00014386	No
						Hsp90aa1	117.699	214.754	0.867584	117.7	214.755	0.8675774	0.00014386	No
						Hsp90ab1	930.17	594.471	-0.645888	930.171	594.472	-0.6458871	0.00014386	No
						Hspa12b	1.08957	5.03669	2.20871	1.09057	5.03769	2.20767997	0.00014386	No
						Hspa4l	0.976032	3.23295	1.72785	0.977032	3.23395	1.72681965	0.00014386	No
						Hspa5	198.576	152.894	-0.377161	198.577	152.895	-0.3771573	0.00014386	No
						Hspa9	55.2549	105.517	0.933307	55.2559	105.518	0.9332887	0.00014386	No
						Hspb6	5.93095	33.876	2.51393	5.93195	33.877	2.51372778	0.00014386	No
						Hspb8	0	3.12615	inf	0.001	3.12715	11.6106327	0.00014386	No
						Hsbbp1	20.5313	42.4617	1.04834	20.5323	42.4627	1.04830086	0.00014386	No
						Hspd1	77.2046	181.5	1.23321	77.2056	181.501	1.2332001	0.00014386	No
						Hspe1	247.145	484.828	0.972115	247.146	484.829	0.97211244	0.00014386	No
						Hspg2	0.0246798	52.2168	11.047	0.0256798	52.2178	10.989692	0.00014386	No
						Htati2	20.0572	9.41413	-1.09122	20.0582	9.41513	-1.0911392	0.00014386	No
						Htatsf1	45.7471	27.2859	-0.745524	45.7481	27.2869	-0.7455033	0.00014386	No
						Htt	8.35774	3.02731	-1.46508	8.35874	3.02831	-1.4647726	0.00014386	No
						Huwe1	107.54	23.7707	-2.17761	107.541	23.7717	-2.1775698	0.00014386	No
						Hvcn1	3.0368	0.0489805	-5.9542	3.0378	0.0499805	-5.9255177	0.00014386	No
						Hyal1	14.03	21.2383	0.598153	14.031	21.2393	0.59811838	0.00014386	No
						Hyal2	1.31174	21.1056	4.00808	1.31274	21.1066	4.00704109	0.00014386	No
						Hyi	11.0697	32.0988	1.5359	11.0707	32.0998	1.53581786	0.00014386	No
						Hykk	0	24.4943	inf	0.001	24.4953	14.5802173	0.00014386	No
						Iah1	92.2132	199.103	1.11047	92.2142	199.104	1.11046137	0.00014386	No
						Iars	17.7141	11.5704	-0.61446	17.7151	11.5714	-0.6144162	0.00014386	No
						Iars2	8.94614	5.68762	-0.65344	8.94714	5.68862	-0.6533479	0.00014386	No
						Iba57	2.93377	5.49217	0.904622	2.93477	5.49317	0.9043915	0.00014386	No
						Ibtk	16.4702	10.5668	-0.640327	16.4712	10.5678	-0.6402706	0.00014386	No
						Ica1	0.231998	16.9194	6.18842	0.232998	16.9204	6.18230229	0.00014386	No
						Icam1	3.96443	10.8455	1.45191	3.96543	10.8465	1.45168036	0.00014386	No
						Icam2	166.907	37.1161	-2.16893	166.908	37.1171	-2.1688972	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lgbp1	75.2569	47.5568	-0.66217	75.2579	47.5578	-0.6621611	0.00014386	No
						lgf1r	11.3075	5.98183	-0.918619	11.3085	5.98283	-0.9185076	0.00014386	No
						lgfals	0.168686	2.18716	3.69665	0.169686	2.18816	3.68877879	0.00014386	No
						lgfbp4	1.32198	19.952	3.91576	1.32298	19.953	3.91474252	0.00014386	No
						IGG-2A	294.817	11.1987	-4.71842	294.818	11.1997	-4.7182926	0.00014386	No
						IGJ	25.8671	0.641974	-5.33246	25.8681	0.642974	-5.3302699	0.00014386	No
						lgkc	167.557	6.86441	-4.60937	167.558	6.86541	-4.6091709	0.00014386	No
						lglon5	0.187389	3.57051	4.25202	0.188389	3.57151	4.24474753	0.00014386	No
						lgsf1	0	1.17217	inf	0.001	1.17317	10.1961964	0.00014386	No
						lgsf3	0.0266081	7.37265	8.11417	0.0276081	7.37365	8.06114352	0.00014386	No
						lgsf8	6.51488	3.29282	-0.984413	6.51588	3.29382	-0.9841983	0.00014386	No
						lgsf9	1.49978	5.19907	1.7935	1.50078	5.20007	1.79281854	0.00014386	No
						lgtp	44.6022	25.8672	-0.785992	44.6032	25.8682	-0.7859675	0.00014386	No
						lkbip	5.42463	12.3868	1.19121	5.42563	12.3878	1.19105742	0.00014386	No
						lkbkap	8.33664	4.46484	-0.900858	8.33764	4.46584	-0.9007075	0.00014386	No
						lkbkb	59.5152	28.869	-1.04374	59.5162	28.87	-1.0437113	0.00014386	No
						lkbke	118.314	35.5595	-1.73432	118.315	35.5605	-1.7342855	0.00014386	No
						lkbkg	12.686	4.65398	-1.4467	12.687	4.65498	-1.4465041	0.00014386	No
						lkzf1	195.713	7.15579	-4.77348	195.714	7.15679	-4.7732905	0.00014386	No
						lkzf2	9.82113	0.850061	-3.53025	9.82213	0.851061	-3.5287015	0.00014386	No
						lkzf3	51.3839	1.31081	-5.29279	51.3849	1.31181	-5.2917138	0.00014386	No
						lkzf5	10.7057	3.5648	-1.58649	10.7067	3.5658	-1.5862162	0.00014386	No
						ll10rb	30.0146	12.9564	-1.212	30.0156	12.9574	-1.2119362	0.00014386	No
						ll12rb1	3.24328	6.37533	0.975046	3.24428	6.37633	0.97482796	0.00014386	No
						ll13ra1	0.206137	11.7121	5.82826	0.207137	11.7131	5.82139386	0.00014386	No
						ll16	47.7346	2.13511	-4.48265	47.7356	2.13611	-4.4820077	0.00014386	No
						ll17ra	40.4447	14.5501	-1.47492	40.4457	14.5511	-1.4748581	0.00014386	No
						ll17rb	0.0535355	1.05829	4.30509	0.0545355	1.05929	4.27975814	0.00014386	No
						ll17rc	0.0532187	23.7642	8.80264	0.0542187	23.7652	8.77584431	0.00014386	No
						ll17re	0.395157	13.7206	5.11777	0.396157	13.7216	5.11423261	0.00014386	No
						ll18r1	20.7342	0.805524	-4.68594	20.7352	0.806524	-4.6842207	0.00014386	No
						ll18RAP	9.93512	1.46996	-2.75676	9.93612	1.47096	-2.7559246	0.00014386	No
						ll1b	0.873695	6.63101	2.92403	0.874695	6.63201	2.92259423	0.00014386	No
						ll1r1	0.184627	1.68624	3.19112	0.185627	1.68724	3.18418673	0.00014386	No
						ll1rn	0.574645	2.11616	1.8807	0.575645	2.11716	1.87887902	0.00014386	No
						ll21r	163.464	1.448	-6.81877	163.465	1.449	-6.8177804	0.00014386	No
						ll2ra	21.0976	5.87993	-1.84321	21.0986	5.88093	-1.843031	0.00014386	No
						ll2rb	96.5173	5.82656	-4.05007	96.5183	5.82756	-4.0498386	0.00014386	No
						ll2rg	527.086	15.6082	-5.07766	527.087	15.6092	-5.0775726	0.00014386	No
						ll34	0.182718	13.3148	6.18727	0.183718	13.3158	6.17950231	0.00014386	No
						ll4r	139.566	16.0885	-3.11685	139.567	16.0895	-3.1167665	0.00014386	No
						ll6r	49.7781	1.01498	-5.61599	49.7791	1.01598	-5.6145962	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						lpp	11.2613	21.1012	0.905946	11.2623	21.1022	0.90589193	0.00014386	No
						lqce	1.13252	7.32917	2.69412	1.13352	7.33017	2.69303681	0.00014386	No
						lqch	14.0641	46.1681	1.71488	14.0651	46.1691	1.7148078	0.00014386	No
						lqgap1	52.079	13.5986	-1.93725	52.08	13.5996	-1.9371652	0.00014386	No
						lqgap2	44.898	8.2578	-2.44282	44.899	8.2588	-2.4426792	0.00014386	No
						lqgap3	0.124653	0.972581	2.9639	0.125653	0.973581	2.9538559	0.00014386	No
						lqsec1	3.43631	41.1413	3.58166	3.43731	41.1423	3.58127057	0.00014386	No
						lqsec2	0.824867	7.68081	3.21902	0.825867	7.68181	3.21746491	0.00014386	No
						lqub	0.596752	1.63751	1.4563	0.597752	1.63851	1.45476552	0.00014386	No
						lrak1	43.4148	27.1195	-0.678859	43.4158	27.1205	-0.6788364	0.00014386	No
						IRAK1BP1	0.338998	17.9662	5.72786	0.339998	17.9672	5.72369553	0.00014386	No
						lrak3	18.2886	4.33728	-2.07608	18.2896	4.33828	-2.0758284	0.00014386	No
						lrak4	15.018	6.63778	-1.17792	15.019	6.63878	-1.1777987	0.00014386	No
						lireb2	15.3275	8.96909	-0.773086	15.3285	8.97009	-0.7730222	0.00014386	No
						lrf1	86.1117	42.2683	-1.02663	86.1127	42.2693	-1.0266158	0.00014386	No
						lrf2	92.2675	12.8178	-2.84768	92.2685	12.8188	-2.847577	0.00014386	No
						lrf2bp2	56.1268	30.6032	-0.875007	56.1278	30.6042	-0.8749859	0.00014386	No
						lrf9	53.6564	15.5196	-1.78966	53.6574	15.5206	-1.7895928	0.00014386	No
						lrgq	8.10322	5.72952	-0.500079	8.10422	5.73052	-0.5000073	0.00014386	No
						lrs2	7.00661	4.32376	-0.696431	7.00761	4.32476	-0.6963024	0.00014386	No
						lsca1	33.3701	81.6065	1.29013	33.3711	81.6075	1.2901025	0.00014386	No
						lsca2	32.1152	77.4606	1.27021	32.1162	77.4616	1.2701801	0.00014386	No
						lscu	59.0294	246.227	2.06048	59.0304	246.228	2.06046481	0.00014386	No
						lsg20	25.8815	9.20638	-1.49122	25.8825	9.20738	-1.4911144	0.00014386	No
						lsoc1	13.5322	45.9768	1.76451	13.5332	45.9778	1.76443442	0.00014386	No
						lsoc2a	33.0439	62.8398	0.927294	33.0449	62.8408	0.92727392	0.00014386	No
						lsoc2b	18.2762	83.1115	2.18508	18.2772	83.1125	2.1850204	0.00014386	No
						lsy1	92.3562	35.3508	-1.38546	92.3572	35.3518	-1.3854408	0.00014386	No
						lsyna1	56.4733	96.795	0.777364	56.4743	96.796	0.77735295	0.00014386	No
						ltch	24.9027	12.5677	-0.986587	24.9037	12.5687	-0.9865247	0.00014386	No
						ltfg1	6.62457	33.0961	2.32076	6.62557	33.0971	2.32058833	0.00014386	No
						ltfg3	1.90044	52.2287	4.78044	1.90144	52.2297	4.7797061	0.00014386	No
						ltga1	14.207	37.6301	1.40528	14.208	37.6311	1.40522197	0.00014386	No
						ltga2	2.96946	0.182462	-4.02454	2.97046	0.183462	-4.0171332	0.00014386	No
						ltga2b	2.65456	4.35174	0.713119	2.65556	4.35274	0.71290772	0.00014386	No
						ltga3	2.26037	32.5228	3.84682	2.26137	32.5238	3.84622686	0.00014386	No
						ltga4	58.4341	1.00688	-5.85884	58.4351	1.00788	-5.8574394	0.00014386	No
						ltga5	0.103776	2.05759	4.30941	0.104776	2.05859	4.29627633	0.00014386	No
						ltga6	14.3155	9.08637	-0.655806	14.3165	9.08737	-0.6557441	0.00014386	No
						ltgav	4.19216	21.4093	2.35247	4.19316	21.4103	2.35219523	0.00014386	No
						ltgb2	123.179	5.22363	-4.55956	123.18	5.22463	-4.5592954	0.00014386	No
						ltgb3	19.1427	3.9117	-2.29093	19.1437	3.9127	-2.2906333	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						ltgb7	145.522	8.07614	-4.17142	145.523	8.07714	-4.1712588	0.00014386	No
						ltgb8	0.110508	4.12959	5.22377	0.111508	4.13059	5.21112874	0.00014386	No
						ltih5	0	20.202	inf	0.001	20.203	14.3022819	0.00014386	No
						ltk	105.706	2.55362	-5.37137	105.707	2.55462	-5.3708184	0.00014386	No
						ltm2a	73.3447	1.98463	-5.20775	73.3457	1.98563	-5.2070437	0.00014386	No
						ltm2b	445.416	773.829	0.796862	445.417	773.83	0.79686004	0.00014386	No
						ltm2c	57.3202	200.009	1.80295	57.3212	200.01	1.80293142	0.00014386	No
						ltpa	45.4173	63.6202	0.486243	45.4183	63.6212	0.48623388	0.00014386	No
						ltpkc	2.29511	5.60984	1.2894	2.29611	5.61084	1.28902501	0.00014386	No
						ltpr1	11.4267	24.2076	1.08306	11.4277	24.2086	1.08298458	0.00014386	No
						ltpr2	12.528	1.40141	-3.1602	12.529	1.40241	-3.1592912	0.00014386	No
						ltpr3	32.4765	12.5133	-1.37594	32.4775	12.5143	-1.375863	0.00014386	No
						ltsn1	19.7698	349.776	4.14506	19.7708	349.777	4.14499227	0.00014386	No
						ltsn2	87.9345	38.4227	-1.19447	87.9355	38.4237	-1.1944493	0.00014386	No
						lvd	22.9043	71.9913	1.65221	22.9053	71.9923	1.65216115	0.00014386	No
						IVNS1ABP_P REDICTED	47.3051	167.177	1.82131	47.3061	167.178	1.82128687	0.00014386	No
						lws1	13.0903	6.65831	-0.975268	13.0913	6.65931	-0.9751638	0.00014386	No
						lyd	0	10.8464	inf	0.001	10.8474	13.4050617	0.00014386	No
						lzumo4	17.1214	2.61729	-2.70965	17.1224	2.61829	-2.7091881	0.00014386	No
						Jag2	0.222251	6.9334	4.9633	0.223251	6.9344	4.95703252	0.00014386	No
						Jak1	227.702	25.2901	-3.1705	227.703	25.2911	-3.1704516	0.00014386	No
						Jak2	34.9335	5.39638	-2.69455	34.9345	5.39738	-2.6943213	0.00014386	No
						Jakmip1	65.2382	1.56	-5.3861	65.2392	1.561	-5.3851966	0.00014386	No
						Jarid2	10.9122	6.16585	-0.823576	10.9132	6.16685	-0.8234685	0.00014386	No
						Jkamp	14.6427	21.5433	0.557058	14.6437	21.5443	0.5570261	0.00014386	No
						Jmjd1c	46.7729	15.8804	-1.55842	46.7739	15.8814	-1.5583656	0.00014386	No
						Jmjd4	2.63368	1.258	-1.06595	2.63468	1.259	-1.0653495	0.00014386	No
						Jmjd7	8.70729	4.02591	-1.11291	8.70829	4.02691	-1.1127162	0.00014386	No
						Jmy	24.834	4.45029	-2.48035	24.835	4.45129	-2.4800793	0.00014386	No
						Jrkl	2.62053	5.36839	1.03463	2.62153	5.36939	1.03434914	0.00014386	No
						Jun	23.1024	282.613	3.61271	23.1034	282.614	3.61265585	0.00014386	No
						Jund	288.325	163.869	-0.815154	288.326	163.87	-0.8151492	0.00014386	No
						Jup	26.5387	54.1988	1.03016	26.5397	54.1998	1.03013547	0.00014386	No
						Kank1	0.101745	41.6672	8.67781	0.102745	41.6682	8.66373478	0.00014386	No
						Kank2	0.509296	14.7113	4.85228	0.510296	14.7123	4.84954466	0.00014386	No
						Kank3	0.99545	12.6781	3.67085	0.99645	12.6791	3.66951112	0.00014386	No
						Kansl1	82.1616	20.1858	-2.02512	82.1626	20.1868	-2.0250696	0.00014386	No
						Kansl1l	2.75196	11.3201	2.04036	2.75296	11.3211	2.03995859	0.00014386	No
						Kansl2	68.9299	44.5384	-0.630082	68.9309	44.5394	-0.6300687	0.00014386	No
						Kap	0.182109	1304.94	12.8069	0.183109	1304.941	12.7989943	0.00014386	No
						Kars	77.1223	51.4874	-0.582928	77.1233	51.4884	-0.5829193	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kat2a	31.7024	13.0432	-1.28129	31.7034	13.0442	-1.2812291	0.00014386	No
						Kat6a	20.233	4.65343	-2.12035	20.234	4.65443	-2.1201051	0.00014386	No
						Kat7	31.3622	16.9403	-0.888571	31.3632	16.9413	-0.8885282	0.00014386	No
						Katna1	27.3715	9.61279	-1.50965	27.3725	9.61379	-1.50955	0.00014386	No
						Kbtbd11	35.7673	4.95462	-2.8518	35.7683	4.95562	-2.8515441	0.00014386	No
						Kbtbd2	36.7574	9.60595	-1.93603	36.7584	9.60695	-1.9359236	0.00014386	No
						Kbtbd3	5.60409	3.36524	-0.735768	5.60509	3.36624	-0.7355995	0.00014386	No
						Kbtbd8	2.89138	0.696087	-2.05442	2.89238	0.697087	-2.0528465	0.00014386	No
						Kcnab2	64.7586	3.3379	-4.27806	64.7596	3.3389	-4.2776493	0.00014386	No
						Kcnab3	1.40398	0	-inf	1.40498	0.001	-10.456334	0.00014386	No
						Kcne1	0	5.62774	inf	0.001	5.62874	12.4585963	0.00014386	No
						Kcng4	0.630751	2.13878	1.76164	0.631751	2.13978	1.76003453	0.00014386	No
						Kcnip3	0	3.38171	inf	0.001	3.38271	11.7239638	0.00014386	No
						Kcnj1	0.114615	88.4899	9.59258	0.115615	88.4909	9.58005671	0.00014386	No
						Kcnj12	0.105899	3.46757	5.03316	0.106899	3.46857	5.02002074	0.00014386	No
						Kcnj15	0.00654984	20.0605	11.5806	0.00754984	20.0615	11.3756958	0.00014386	No
						Kcnj16	0.0776825	249.762	11.6507	0.0786825	249.763	11.6322294	0.00014386	No
						Kcnk1	0.575255	59.1017	6.68285	0.576255	59.1027	6.68037287	0.00014386	No
						Kcnk5	0.873731	12.6775	3.85894	0.874731	12.6785	3.85740084	0.00014386	No
						Kcnk7	1.01216	0	-inf	1.01316	0.001	-9.9846463	0.00014386	No
						Kcnn4	192.091	19.4047	-3.30732	192.092	19.4057	-3.3072451	0.00014386	No
						Kcnt1	0.0228124	184.573	12.9821	0.0238124	184.574	12.9201987	0.00014386	No
						Kctd1	4.51032	45.2752	3.32742	4.51132	45.2762	3.32713135	0.00014386	No
						Kctd13	3.51264	5.95096	0.760568	3.51364	5.95196	0.76039845	0.00014386	No
						Kctd17	0.789734	23.6176	4.90235	0.790734	23.6186	4.90058718	0.00014386	No
						Kctd18	24.8725	8.33736	-1.57689	24.8735	8.33836	-1.576774	0.00014386	No
						Kctd20	17.7894	5.24237	-1.76272	17.7904	5.24337	-1.7625327	0.00014386	No
						Kctd3	7.80702	14.1459	0.857542	7.80802	14.1469	0.8574573	0.00014386	No
						Kctd5	4.60458	7.96184	0.790033	4.60558	7.96284	0.78990022	0.00014386	No
						Kctd6	5.45327	28.1196	2.36638	5.45427	28.1206	2.36616935	0.00014386	No
						Kdelc2	2.85963	15.5345	2.44158	2.86063	15.5355	2.44116386	0.00014386	No
						Kdelr1	37.6924	77.9424	1.04814	37.6934	77.9434	1.04811493	0.00014386	No
						Kdelr2	17.019	26.9923	0.665401	17.02	26.9933	0.66537032	0.00014386	No
						Kdm1b	25.5229	10.0645	-1.34251	25.5239	10.0655	-1.3424299	0.00014386	No
						KDM2B	12.279	6.86263	-0.839364	12.28	6.86363	-0.8392669	0.00014386	No
						Kdm3a	54.9718	12.5833	-2.12719	54.9728	12.5843	-2.127093	0.00014386	No
						Kdm3b	24.843	8.28393	-1.58445	24.844	8.28493	-1.5843361	0.00014386	No
						Kdm4a	35.9536	12.8271	-1.48695	35.9546	12.8281	-1.4868689	0.00014386	No
						Kdm4b	23.6526	13.0381	-0.859263	23.6536	13.0391	-0.8592155	0.00014386	No
						Kdm4c	11.5149	7.241	-0.669236	11.5159	7.242	-0.6691671	0.00014386	No
						Kdm5a	24.1602	6.05076	-1.99744	24.1612	6.05176	-1.9972654	0.00014386	No
						Kdm5b	14.2798	7.79843	-0.872722	14.2808	7.79943	-0.8726362	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kdm5c	11.6271	5.37815	-1.11231	11.6281	5.37915	-1.1121653	0.00014386	No
						Kdm6a	19.2804	4.94219	-1.96392	19.2814	4.94319	-1.9636955	0.00014386	No
						Kdm7a	11.0596	1.65834	-2.73749	11.0606	1.65934	-2.7367482	0.00014386	No
						Kdm8	18.6979	9.7358	-0.941504	18.6989	9.7368	-0.9414338	0.00014386	No
						Kdr	0.0398332	2.79525	6.13286	0.0408332	2.79625	6.09760691	0.00014386	No
						Khdrbs1	77.4335	35.5958	-1.12125	77.4345	35.5968	-1.1212289	0.00014386	No
						Khynyn	82.8986	35.8615	-1.20891	82.8996	35.8625	-1.2088891	0.00014386	No
						Khsrp	43.8832	22.1953	-0.983417	43.8842	22.1963	-0.9833824	0.00014386	No
						Kidins220	28.178	10.8744	-1.37363	28.179	10.8754	-1.373552	0.00014386	No
						Kif11	0.988566	4.54305	2.20025	0.989566	4.54405	2.19911087	0.00014386	No
						Kif13a	3.8079	6.33678	0.734755	3.8089	6.33778	0.73460317	0.00014386	No
						Kif13b	7.3801	13.8686	0.910114	7.3811	13.8696	0.91001844	0.00014386	No
						Kif15	3.35414	0.316412	-3.40606	3.35514	0.317412	-3.4019444	0.00014386	No
						Kif16b	2.72901	8.94613	1.71289	2.73001	8.94713	1.71251874	0.00014386	No
						Kif1c	11.6318	129.141	3.47281	11.6328	129.142	3.47268798	0.00014386	No
						Kif21a	0.0302481	9.93055	8.35888	0.0312481	9.93155	8.31210661	0.00014386	No
						Kif21b	57.6431	1.45898	-5.30411	57.6441	1.45998	-5.3031524	0.00014386	No
						Kif22	0.522659	1.60699	1.62042	0.523659	1.60799	1.61855888	0.00014386	No
						Kif23	1.42709	3.62903	1.34651	1.42809	3.63003	1.34589457	0.00014386	No
						Kif2a	19.1769	6.29406	-1.60731	19.1779	6.29506	-1.6071527	0.00014386	No
						Kif3a	2.08484	5.05226	1.27699	2.08584	5.05326	1.27658592	0.00014386	No
						Kif3b	9.20958	6.28802	-0.550529	9.21058	6.28902	-0.5504568	0.00014386	No
						Kif7	2.97341	0.853832	-1.8001	2.97441	0.854832	-1.7988907	0.00014386	No
						Kifap3	4.7182	20.8264	2.1421	4.7192	20.8274	2.14186853	0.00014386	No
						Kifc1	4.2472	6.91698	0.703629	4.2482	6.91798	0.70349915	0.00014386	No
						Kifc2	3.87145	11.3665	1.55384	3.87245	11.3675	1.55359649	0.00014386	No
						Kifc3	0.582205	110.056	7.56249	0.583205	110.057	7.5600321	0.00014386	No
						Kirrel	0	1.6774	inf	0.001	1.6784	10.7128709	0.00014386	No
						Kirrel3	0.0231241	1.31679	5.83148	0.0241241	1.31779	5.77150155	0.00014386	No
						Kitlg	0.317588	10.4562	5.04106	0.318588	10.4572	5.03666087	0.00014386	No
						Klc2	15.7253	31.6611	1.00962	15.7263	31.6621	1.00957766	0.00014386	No
						Klc4	12.9691	56.78	2.1303	12.9701	56.781	2.13021865	0.00014386	No
						Klf10	2.64802	8.00714	1.59637	2.64902	8.00814	1.59600846	0.00014386	No
						Klf12	7.84964	1.54133	-2.34845	7.85064	1.54233	-2.3476988	0.00014386	No
						Klf13	52.4392	5.8363	-3.16752	52.4402	5.8373	-3.1673001	0.00014386	No
						Klf3	87.6461	25.1254	-1.80254	87.6471	25.1264	-1.8025024	0.00014386	No
						Klf4	1.713	30.0678	4.13362	1.714	30.0688	4.13282828	0.00014386	No
						KLF7	5.4395	3.02677	-0.845697	5.4405	3.02777	-0.8454836	0.00014386	No
						Klf9	30.0755	17.795	-0.757123	30.0765	17.796	-0.7570837	0.00014386	No
						KLHDC1	12.295	1.33094	-3.20755	12.296	1.33194	-3.2065881	0.00014386	No
						Klhdc10	6.21084	18.6252	1.5844	6.21184	18.6262	1.5842408	0.00014386	No
						KLHDC2	70.6035	26.4029	-1.41904	70.6045	26.4039	-1.4190091	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Klhdc3	83.2756	49.398	-0.753442	83.2766	49.399	-0.7534293	0.00014386	No
						Klhdc4	18.2566	25.2906	0.470181	18.2576	25.2916	0.47016118	0.00014386	No
						Klhdc8a	0.0365039	113.392	11.601	0.0375039	113.393	11.5620033	0.00014386	No
						Klhl11	3.42696	1.28252	-1.41795	3.42796	1.28352	-1.4172445	0.00014386	No
						Klhl12	10.3075	30.729	1.57591	10.3085	30.73	1.57581335	0.00014386	No
						Klhl13	0.0440665	2.05415	5.54271	0.0450665	2.05515	5.51104448	0.00014386	No
						Klhl14	0.167004	9.59857	5.84486	0.168004	9.59957	5.8364023	0.00014386	No
						Klhl15	5.82477	1.08132	-2.4294	5.82577	1.08232	-2.4283216	0.00014386	No
						Klhl17	40.3481	22.683	-0.830888	40.3491	22.684	-0.8308614	0.00014386	No
						Klhl2	33.1224	18.7428	-0.821472	33.1234	18.7438	-0.8214373	0.00014386	No
						Klhl20	13.422	2.92442	-2.19838	13.423	2.92542	-2.1979915	0.00014386	No
						Klhl22	8.69778	13.2131	0.603252	8.69878	13.2141	0.60319318	0.00014386	No
						Klhl23	0.0771821	1.23805	4.00366	0.0781821	1.23905	3.98625226	0.00014386	No
						Klhl24	27.9191	15.5767	-0.841864	27.9201	15.5777	-0.8418219	0.00014386	No
						Klhl25	3.80627	12.2735	1.6891	3.80727	12.2745	1.68883547	0.00014386	No
						Klhl26	0.678245	3.06839	2.17761	0.679245	3.06939	2.17594802	0.00014386	No
						Klhl28	3.41026	1.57477	-1.11474	3.41126	1.57577	-1.1142477	0.00014386	No
						Klhl36	10.7152	6.29735	-0.766849	10.7162	6.29835	-0.7667476	0.00014386	No
						Klhl42	25.547	49.892	0.965656	25.548	49.893	0.96562706	0.00014386	No
						Klhl6	50.0206	0.762865	-6.03495	50.0216	0.763865	-6.0330897	0.00014386	No
						Klhl9	12.0811	16.9305	0.48687	12.0821	16.9315	0.48683856	0.00014386	No
						Klra17	10.0674	20.0003	0.990336	10.0684	20.0013	0.99025933	0.00014386	No
						Klra22	136.843	25.8129	-2.40635	136.844	25.8139	-2.4063122	0.00014386	No
						Klrb1a	34.3469	8.42579	-2.0273	34.3479	8.42679	-2.0271668	0.00014386	No
						Klrb1c	61.0787	0.893318	-6.09535	61.0797	0.894318	-6.0937613	0.00014386	No
						Klrd1	82.7256	4.53592	-4.18887	82.7266	4.53692	-4.1885662	0.00014386	No
						Klre1	24.6009	6.33695	-1.95685	24.6019	6.33795	-1.9566816	0.00014386	No
						Klrk1	198.343	3.711	-5.74005	198.344	3.712	-5.7396642	0.00014386	No
						Kmo	0.133626	26.2518	7.61807	0.134626	26.2528	7.60737043	0.00014386	No
						Kmt2a	16.4984	3.60584	-2.19392	16.4994	3.60684	-2.1936062	0.00014386	No
						Kmt2b	23.9176	7.95411	-1.5883	23.9186	7.95511	-1.5881792	0.00014386	No
						Kmt2c	44.2445	7.27139	-2.6052	44.2455	7.27239	-2.6050293	0.00014386	No
						Kmt2e	49.8581	12.9589	-1.94388	49.8591	12.9599	-1.9438023	0.00014386	No
						Kpna1	26.9149	6.15886	-2.12767	26.9159	6.15986	-2.1274892	0.00014386	No
						Kpna3	11.5464	5.737	-1.00908	11.5474	5.738	-1.0089482	0.00014386	No
						Kpna4	28.1458	18.1906	-0.629731	28.1468	18.1916	-0.6296985	0.00014386	No
						Kpna5	15.5033	3.51114	-2.14256	15.5043	3.51214	-2.1422461	0.00014386	No
						Kpnb1	71.1702	28.165	-1.33737	71.1712	28.166	-1.3373389	0.00014386	No
						KPTN	13.2834	26.1524	0.977316	13.2844	26.1534	0.97726544	0.00014386	No
						Kras	18.314	11.0261	-0.732025	18.315	11.0271	-0.7319723	0.00014386	No
						Krcc1	42.5969	63.2638	0.570633	42.5979	63.2648	0.57062071	0.00014386	No
						Kremen1	5.7607	3.92691	-0.552852	5.7617	3.92791	-0.5527327	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Kri1	55.1328	17.5333	-1.65282	55.1338	17.5343	-1.6527572	0.00014386	No
						Krit1	27.8865	9.39901	-1.56898	27.8875	9.40001	-1.5688844	0.00014386	No
						Krr1	26.0148	12.5257	-1.05444	26.0158	12.5267	-1.0543817	0.00014386	No
						Krt10	3.87887	8.2333	1.08583	3.87987	8.2343	1.0856377	0.00014386	No
						Krt14	0	12.1628	inf	0.001	12.1638	13.5703064	0.00014386	No
						Krt17	0	0.8381	inf	0.001	0.8391	9.71269894	0.00014386	No
						Krt18	2.68819	70.681	4.71661	2.68919	70.682	4.71609927	0.00014386	No
						Krt23	0	15.4705	inf	0.001	15.4715	13.9173255	0.00014386	No
						Krt5	0.00804904	4.63761	9.17035	0.00904904	4.63861	9.00171209	0.00014386	No
						Krt7	0.22243	693.599	11.6065	0.22343	693.6	11.6000653	0.00014386	No
						Kynu	0.318567	14.5692	5.51518	0.319567	14.5702	5.51075843	0.00014386	No
						L1cam	3.85317	34.4786	3.16158	3.85417	34.4796	3.16125093	0.00014386	No
						L3mbtl2	34.2386	14.817	-1.20837	34.2396	14.818	-1.2083151	0.00014386	No
						L3mbtl3	57.9059	3.24494	-4.15744	57.9069	3.24594	-4.157027	0.00014386	No
						I7Rn6	46.6467	34.45	-0.43727	46.6477	34.451	-0.4372601	0.00014386	No
						Lace1	5.04293	33.9988	2.75315	5.04393	33.9998	2.7529061	0.00014386	No
						Lactb	11.1157	36.379	1.71051	11.1167	36.38	1.71041696	0.00014386	No
						Lage3	39.5643	75.9778	0.94138	39.5653	75.9788	0.94136123	0.00014386	No
						Lamb1	0.0514401	28.4348	9.11055	0.0524401	28.4358	9.08282224	0.00014386	No
						Lamb2	0.0221269	71.8044	11.6641	0.0231269	71.8054	11.6003047	0.00014386	No
						Lamp1	105.359	241.093	1.19428	105.36	241.094	1.1942685	0.00014386	No
						Lamp2	26.7288	60.9327	1.18882	26.7298	60.9337	1.1887913	0.00014386	No
						Lamtor1	58.016	141.788	1.28922	58.017	141.789	1.28919801	0.00014386	No
						Lamtor3	17.5803	34.7479	0.982967	17.5813	34.7489	0.98292556	0.00014386	No
						Lamtor4	55.7882	127.918	1.19719	55.7892	127.919	1.1971728	0.00014386	No
						Lamtor5	54.2635	112.776	1.0554	54.2645	112.777	1.05539227	0.00014386	No
						Lap3	20.3764	57.8636	1.50576	20.3774	57.8646	1.50571103	0.00014386	No
						Laptm4a	94.0648	252.341	1.42365	94.0658	252.342	1.42363815	0.00014386	No
						Laptm4b	1.74296	20.6449	3.56617	1.74396	20.6459	3.56541645	0.00014386	No
						Laptm5	668.55	35.6313	-4.22982	668.551	35.6323	-4.2297801	0.00014386	No
						Large	0.609239	10.3669	4.08883	0.610239	10.3679	4.08660551	0.00014386	No
						Larp1	52.2276	19.9094	-1.39137	52.2286	19.9104	-1.3913178	0.00014386	No
						Larp1b	31.4997	12.5498	-1.32768	31.5007	12.5508	-1.3276046	0.00014386	No
						Lars	33.7285	15.2794	-1.14238	33.7295	15.2804	-1.1423286	0.00014386	No
						LAS2	4.62788	0.938954	-2.30122	4.62888	0.939954	-2.3000011	0.00014386	No
						Lat2	13.8473	2.77004	-2.32163	13.8483	2.77104	-2.3212094	0.00014386	No
						Lbp	0.128376	3.7892	4.88344	0.129376	3.7902	4.87263206	0.00014386	No
						Lbr	67.1226	5.45682	-3.62067	67.1236	5.45782	-3.6204234	0.00014386	No
						Lcat	6.63305	32.4742	2.29155	6.63405	32.4752	2.29137662	0.00014386	No
						Lck	540.51	19.9155	-4.76236	540.511	19.9165	-4.7622879	0.00014386	No
						Lclat1	1.94475	9.63974	2.30941	1.94575	9.64074	2.30881753	0.00014386	No
						Lcor	7.94601	1.80614	-2.13732	7.94701	1.80714	-2.1367039	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lcp1	404.937	16.7805	-4.59284	404.938	16.7815	-4.5927575	0.00014386	No
						Lcp2	104.521	5.06066	-4.36833	104.522	5.06166	-4.3680522	0.00014386	No
						Ldb1	282.568	23.9362	-3.56133	282.569	23.9372	-3.5612769	0.00014386	No
						Ldb2	0	2.28625	inf	0.001	2.28725	11.1593983	0.00014386	No
						Ldha	296.447	205.605	-0.527899	296.448	205.606	-0.5278967	0.00014386	No
						Ldhb	11.1144	973.23	6.45228	11.1154	973.231	6.4521505	0.00014386	No
						Ldhd	0.984361	40.002	5.34474	0.985361	40.003	5.34331202	0.00014386	No
						Ldlr	1.48103	6.4575	2.12437	1.48203	6.4585	2.12362448	0.00014386	No
						Ldlrad1	6.00639	1.87141	-1.68238	6.00739	1.87241	-1.681842	0.00014386	No
						Ldlrap1	142.917	7.92397	-4.17281	142.918	7.92497	-4.1726383	0.00014386	No
						Lef1	207.375	2.80877	-6.20616	207.376	2.80977	-6.2056531	0.00014386	No
						Lemd2	49.4181	29.9461	-0.722672	49.4191	29.9471	-0.7226524	0.00014386	No
						Lemd3	11.6148	4.53525	-1.3567	11.6158	4.53625	-1.3565165	0.00014386	No
						Leng8	208.204	33.7412	-2.62542	208.205	33.7422	-2.6253788	0.00014386	No
						Lepre1	5.36841	23.2472	2.11449	5.36941	23.2482	2.11428354	0.00014386	No
						Leprel2	0.173183	58.7252	8.40554	0.174183	58.7262	8.39725665	0.00014386	No
						Leprel4	0.282942	2.96195	3.38797	0.283942	2.96295	3.38336611	0.00014386	No
						Leprot	20.2753	27.2566	0.426882	20.2763	27.2576	0.42686413	0.00014386	No
						Leprotl1	139.874	56.8339	-1.29931	139.875	56.8349	-1.2992891	0.00014386	No
						Letm1	18.7227	36.0439	0.944968	18.7237	36.0449	0.94492959	0.00014386	No
						Letm2	8.46299	4.0275	-1.07128	8.46399	4.0285	-1.0710952	0.00014386	No
						Lfng	53.7473	2.71048	-4.30957	53.7483	2.71148	-4.3090667	0.00014386	No
						Lgals1	563.389	165.958	-1.76331	563.39	165.959	-1.7633071	0.00014386	No
						Lgals3	3.27483	37.0711	3.5008	3.27583	37.0721	3.50040145	0.00014386	No
						Lgals3bp	39.6034	27.6699	-0.517307	39.6044	27.6709	-0.5172912	0.00014386	No
						Lgals8	13.7561	23.413	0.767232	13.7571	23.414	0.76719504	0.00014386	No
						Lgals9	214.455	20.8042	-3.36573	214.456	20.8052	-3.3656656	0.00014386	No
						Lgmn	76.3512	167.256	1.13133	76.3522	167.257	1.13132496	0.00014386	No
						Lgr4	0.449884	24.2564	5.75267	0.450884	24.2574	5.7495248	0.00014386	No
						Lhpp	2.7513	28.9174	3.39375	2.7523	28.9184	3.3932781	0.00014386	No
						Lias	4.10117	20.1321	2.29539	4.10217	20.1331	2.29511014	0.00014386	No
						Lifr	0.0724435	43.7411	9.23792	0.0734435	43.7421	9.21817196	0.00014386	No
						Lig1	17.8772	44.5897	1.31859	17.8782	44.5907	1.31854136	0.00014386	No
						Lig4	41.5728	8.72639	-2.25218	41.5738	8.72739	-2.2520524	0.00014386	No
						Lilrb4	2.48265	22.0713	3.15222	2.48365	22.0723	3.15170318	0.00014386	No
						Lima1	0.545496	10.5372	4.27179	0.546496	10.5382	4.26927372	0.00014386	No
						Limd2	792.505	29.7365	-4.73611	792.506	29.7375	-4.7360666	0.00014386	No
						Lime1	80.9182	32.95	-1.29619	80.9192	32.951	-1.2961598	0.00014386	No
						Limk1	4.52077	1.83503	-1.30077	4.52177	1.83603	-1.300298	0.00014386	No
						Lims1	21.4049	9.92214	-1.10922	21.4059	9.92314	-1.1091399	0.00014386	No
						Lin52	7.91994	38.7579	2.29093	7.92094	38.7589	2.29078407	0.00014386	No
						Lin54	4.61382	2.01097	-1.19807	4.61482	2.01197	-1.1976656	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lin7c	12.8143	22.1805	0.791535	12.8153	22.1815	0.79148968	0.00014386	No
						Lipt1	2.39606	1.35	-0.827697	2.39706	1.351	-0.8272383	0.00014386	No
						Litaf	41.7929	54.9529	0.394937	41.7939	54.9539	0.39492948	0.00014386	No
						Lix1l	2.2408	6.09555	1.44375	2.2418	6.09655	1.44333549	0.00014386	No
						Llgl1	14.4643	7.23645	-0.999138	14.4653	7.23745	-0.9990429	0.00014386	No
						Llgl2	9.58334	50.5931	2.40034	9.58434	50.5941	2.40021816	0.00014386	No
						Llph	126.29	71.9361	-0.811957	126.291	71.9371	-0.8119439	0.00014386	No
						Lman1	8.60059	23.4388	1.44639	8.60159	23.4398	1.44628499	0.00014386	No
						Lman2l	10.7621	23.083	1.10087	10.7631	23.084	1.10079957	0.00014386	No
						Lmbr1	6.12646	3.90111	-0.651169	6.12746	3.90211	-0.6510347	0.00014386	No
						Lmbrd1	23.5588	30.876	0.390218	23.5598	30.877	0.3902053	0.00014386	No
						Lmnb1	13.554	3.78254	-1.84129	13.555	3.78354	-1.8410165	0.00014386	No
						Lmnb2	10.9039	5.49104	-0.989689	10.9049	5.49204	-0.9895625	0.00014386	No
						Lmo1	0	2.05743	inf	0.001	2.05843	11.0073287	0.00014386	No
						Lmo2	4.77664	10.8564	1.18448	4.77764	10.8574	1.18430861	0.00014386	No
						Lmo7	2.51475	42.5877	4.08195	2.51575	42.5887	4.08141022	0.00014386	No
						Lmtk2	3.04401	4.3146	0.503251	3.04501	4.3156	0.50311419	0.00014386	No
						Lnp	2.7845	1.47478	-0.91692	2.7855	1.47578	-0.9164586	0.00014386	No
						Lnx1	1.46381	10.1367	2.7918	1.46481	10.1377	2.79094493	0.00014386	No
						Lnx2	15.1048	6.12761	-1.30161	15.1058	6.12861	-1.3014708	0.00014386	No
						Lonp1	42.6194	59.5158	0.481761	42.6204	59.5168	0.48175283	0.00014386	No
						Lonp2	21.7233	84.7653	1.96423	21.7243	84.7663	1.96418112	0.00014386	No
						Lpar3	0	1.88102	inf	0.001	1.88202	10.8780662	0.00014386	No
						Lpar6	48.8454	10.5225	-2.21475	48.8464	10.5235	-2.2146376	0.00014386	No
						Lpcat1	13.2563	5.97952	-1.14858	13.2573	5.98052	-1.1484441	0.00014386	No
						Lpcat3	23.5968	13.8304	-0.77075	23.5978	13.8314	-0.7707052	0.00014386	No
						Lpcat4	18.95	4.94917	-1.93694	18.951	4.95017	-1.936724	0.00014386	No
						Lpgat1	4.779	9.58322	1.0038	4.78	9.58422	1.00365041	0.00014386	No
						Lphn1	10.9414	5.37805	-1.02464	10.9424	5.37905	-1.0245059	0.00014386	No
						Lphn2	0.0793352	5.58036	6.13625	0.0803352	5.58136	6.11844063	0.00014386	No
						Lpin2	3.73112	7.22779	0.953946	3.73212	7.22879	0.95375881	0.00014386	No
						Lpin3	14.5174	27.9403	0.944565	14.5184	27.9413	0.94451668	0.00014386	No
						Lpo	0	0.905676	inf	0.001	0.906676	9.82444329	0.00014386	No
						Lpxn	129.161	5.52226	-4.54777	129.162	5.52326	-4.5475178	0.00014386	No
						Lrch1	9.75942	4.25795	-1.19664	9.76042	4.25895	-1.1964454	0.00014386	No
						Lrch3	15.732	5.81036	-1.43701	15.733	5.81136	-1.4368461	0.00014386	No
						Lrch4	78.9548	19.0822	-2.0488	78.9558	19.0832	-2.0487421	0.00014386	No
						Lrif1	9.52084	4.33875	-1.13381	9.52184	4.33975	-1.1336285	0.00014386	No
						Lrig1	49.2253	6.48382	-2.92448	49.2263	6.48482	-2.9242909	0.00014386	No
						Lrig2	9.19226	2.75124	-1.74034	9.19326	2.75224	-1.7399703	0.00014386	No
						LRIG3	0.148028	8.54427	5.85102	0.149028	8.54527	5.84147076	0.00014386	No
						Lrmp	40.2462	5.48013	-2.87657	40.2472	5.48113	-2.8763432	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Lrp1	0.166175	1.03924	2.64474	0.167175	1.04024	2.6374854	0.00014386	No
						Lrp12	0.165178	3.62706	4.45671	0.166178	3.62806	4.44839701	0.00014386	No
						Lrp5	2.06536	35.3437	4.09699	2.06636	35.3447	4.09633037	0.00014386	No
						Lrppap1	12.8314	97.6132	2.92739	12.8324	97.6142	2.92730001	0.00014386	No
						Lrrc1	11.7076	21.1615	0.85399	11.7086	21.1625	0.85394149	0.00014386	No
						Lrrc19	0.0540969	8.41399	7.2811	0.0550969	8.41499	7.2548466	0.00014386	No
						Lrrc25	0.240414	1.05983	2.14024	0.241414	1.06083	2.13561223	0.00014386	No
						Lrrc27	0	1.0637	inf	0.001	1.0647	10.0562313	0.00014386	No
						Lrrc34	22.9769	2.6615	-3.10987	22.9779	2.6625	-3.1093935	0.00014386	No
						Lrrc39	6.22793	1.69923	-1.87387	6.22893	1.70023	-1.8732544	0.00014386	No
						Lrrc40	13.1776	7.21521	-0.868971	13.1786	7.21621	-0.8688839	0.00014386	No
						Lrrc46	0.540175	2.28557	2.08106	0.541175	2.28657	2.07901799	0.00014386	No
						Lrrc47	34.9282	48.1104	0.461954	34.9292	48.1114	0.46194518	0.00014386	No
						Lrrc51	0.201718	1.55165	2.94339	0.202718	1.55265	2.93718655	0.00014386	No
						Lrrc59	17.6289	24.8898	0.497613	17.6299	24.8908	0.49758831	0.00014386	No
						Lrrc61	0.128354	1.81423	3.82116	0.129354	1.81523	3.81075579	0.00014386	No
						Lrrc66	0.0963974	2.94763	4.93442	0.0973974	2.94863	4.92001773	0.00014386	No
						Lrrc8a	30.7939	136.652	2.14979	30.7949	136.653	2.14975378	0.00014386	No
						Lrrc8b	27.7964	2.97096	-3.2259	27.7974	2.97196	-3.2254633	0.00014386	No
						Lrrfip2	12.6494	30.962	1.29143	12.6504	30.963	1.29136226	0.00014386	No
						Lrrk1	0.566948	11.6447	4.36031	0.567948	11.6457	4.3578947	0.00014386	No
						Lrrk2	0.97632	11.6495	3.57677	0.97732	11.6505	3.57541705	0.00014386	No
						Lrsam1	2.2779	22.2434	3.2876	2.2789	22.2444	3.28703266	0.00014386	No
						Lrtm2	0.0654622	3.63795	5.79632	0.0664622	3.63895	5.77484437	0.00014386	No
						Lrwd1	48.5843	9.21018	-2.39919	48.5853	9.21118	-2.399062	0.00014386	No
						Lsg1	19.6381	12.4018	-0.66311	19.6391	12.4028	-0.663063	0.00014386	No
						Lsm12	74.2209	40.5514	-0.872073	74.2219	40.5524	-0.8720576	0.00014386	No
						Lsm14a	69.581	29.9945	-1.214	69.582	29.9955	-1.2139681	0.00014386	No
						Lsm14b	51.4933	20.6015	-1.32164	51.4943	20.6025	-1.3215933	0.00014386	No
						Lsm4	209.293	101.409	-1.04534	209.294	101.41	-1.045331	0.00014386	No
						Lsm5	152.479	84.001	-0.860135	152.48	84.002	-0.8601244	0.00014386	No
						LSP1	238.496	17.6443	-3.75669	238.497	17.6453	-3.7566153	0.00014386	No
						Lta4h	15.9887	24.5146	0.616588	15.9897	24.5156	0.6165572	0.00014386	No
						Ltb	389.231	9.59884	-5.34162	389.232	9.59984	-5.3414762	0.00014386	No
						Ltbp1	0.116545	10.0507	6.43026	0.117545	10.0517	6.41808254	0.00014386	No
						Ltbp4	0.382332	19.5187	5.67388	0.383332	19.5197	5.67019263	0.00014386	No
						Ltn1	18.8023	7.79885	-1.26957	18.8033	7.79985	-1.2694676	0.00014386	No
						Ltv1	24.2641	15.2265	-0.672235	24.2651	15.2275	-0.6722037	0.00014386	No
						Luc7l	40.3939	21.7537	-0.892876	40.3949	21.7547	-0.892846	0.00014386	No
						Luc7l3	94.9878	51.6822	-0.878074	94.9888	51.6832	-0.878062	0.00014386	No
						Lurap1	0	1.1656	inf	0.001	1.1666	10.1880943	0.00014386	No
						Luzp1	2.81607	5.31478	0.916326	2.81707	5.31578	0.91608599	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ly49i5	5.22312	0.547421	-3.25419	5.22412	0.548421	-3.2518323	0.00014386	No
						Ly6al	0.609636	16.8958	4.79257	0.610636	16.8968	4.79029359	0.00014386	No
						Ly6c	328.734	62.8	-2.38809	328.735	62.801	-2.3880656	0.00014386	No
						Ly6e	717.888	174.821	-2.03788	717.889	174.822	-2.037874	0.00014386	No
						Ly6i	0.142052	65.8866	8.85742	0.143052	65.8876	8.8473235	0.00014386	No
						Ly75	7.1691	0.450534	-3.99208	7.1701	0.451534	-3.9890867	0.00014386	No
						Ly9	78.4012	0.923175	-6.40813	78.4022	0.924175	-6.4065843	0.00014386	No
						Lyar	22.8253	11.1925	-1.0281	22.8263	11.1935	-1.0280358	0.00014386	No
						Lyn	4.70597	10.0317	1.09199	4.70697	10.0327	1.09183935	0.00014386	No
						Lynx1	0.585006	13.4015	4.5178	0.586006	13.4025	4.51544289	0.00014386	No
						Lypla2	57.6282	42.1029	-0.452855	57.6292	42.1039	-0.4528461	0.00014386	No
						Lypla1	0.775953	25.9983	5.0663	0.776953	25.9993	5.06450164	0.00014386	No
						Lyrn2	18.1445	27.0355	0.57532	18.1455	27.0365	0.57529659	0.00014386	No
						Lyrn7	4.07351	14.1691	1.7984	4.07451	14.1701	1.79815146	0.00014386	No
						Lyrn9	4.53599	14.3252	1.65907	4.53699	14.3262	1.6588486	0.00014386	No
						Lysmd2	10.3743	1.72194	-2.59091	10.3753	1.72294	-2.5902087	0.00014386	No
						Lysmd3	4.61834	2.58753	-0.835799	4.61934	2.58853	-0.8355537	0.00014386	No
						Lyst	9.35478	1.39472	-2.74573	9.35578	1.39572	-2.7448484	0.00014386	No
						Lyve1	0.117919	1.80273	3.93432	0.118919	1.80373	3.92293226	0.00014386	No
						Lyz2	58.1267	99.2271	0.771532	58.1277	99.2281	0.7715229	0.00014386	No
						Lzic	15.5257	6.88729	-1.17265	15.5267	6.88829	-1.1725334	0.00014386	No
						Lztf1	2.9855	20.9647	2.81192	2.9865	20.9657	2.81150337	0.00014386	No
						Lzts2	4.09781	19.2069	2.2287	4.09881	19.2079	2.22842278	0.00014386	No
						MacroD1	0.94939	70.2417	6.20918	0.95039	70.2427	6.20768483	0.00014386	No
						Mad1l1	16.354	9.44241	-0.792421	16.355	9.44341	-0.7923519	0.00014386	No
						Mad2l1	6.96791	2.4754	-1.49307	6.96891	2.4764	-1.4926887	0.00014386	No
						Madd	40.1579	10.8992	-1.88147	40.1589	10.9002	-1.8813651	0.00014386	No
						Maea	42.0715	182.068	2.11356	42.0725	182.069	2.11353585	0.00014386	No
						Maf	7.02068	54.9452	2.96831	7.02168	54.9462	2.96813156	0.00014386	No
						Maf1	149.351	76.637	-0.962595	149.352	76.638	-0.9625847	0.00014386	No
						Mafg	2.9546	12.3546	2.06402	2.9556	12.3556	2.06364213	0.00014386	No
						Maged2	3.98052	21.6358	2.44239	3.98152	21.6368	2.44209594	0.00014386	No
						Mageh1	2.11218	28.6318	3.76082	2.11318	28.6328	3.76018119	0.00014386	No
						Magi1	0.163824	10.7847	6.0407	0.164824	10.7857	6.03204967	0.00014386	No
						Magi3	3.93869	19.2251	2.2872	3.93969	19.2261	2.28691212	0.00014386	No
						Magoh	120.092	72.0408	-0.737252	120.093	72.0418	-0.7372459	0.00014386	No
						Magohb	29.1385	7.60745	-1.93744	29.1395	7.60845	-1.9373016	0.00014386	No
						Mak16	21.405	9.31536	-1.20026	21.406	9.31636	-1.2001769	0.00014386	No
						Mal	0.747786	163.021	7.76822	0.748786	163.022	7.76629749	0.00014386	No
						Mall	0	1.56018	inf	0.001	1.56118	10.6084212	0.00014386	No
						Malsu1	14.4241	31.6627	1.1343	14.4251	31.6637	1.13424853	0.00014386	No
						Malt1	20.9201	2.46317	-3.0863	20.9211	2.46417	-3.085785	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methy.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						MAMDC2	0	5.84098	inf	0.001	5.84198	12.5122417	0.00014386	No
						Maml2	9.56375	1.20137	-2.9929	9.56475	1.20237	-2.9918463	0.00014386	No
						Man1a1	56.0587	2.3843	-4.5553	56.0597	2.3853	-4.5547214	0.00014386	No
						Man1a2	12.7243	5.93583	-1.10007	12.7253	5.93683	-1.099935	0.00014386	No
						Man1b1	32.7807	20.9368	-0.646808	32.7817	20.9378	-0.6467808	0.00014386	No
						Man2a1	33.1884	10.4236	-1.67082	33.1894	10.4246	-1.6707305	0.00014386	No
						Man2c1	37.9041	59.0521	0.639637	37.9051	59.0531	0.63962082	0.00014386	No
						Manba	11.5531	27.8521	1.26951	11.5541	27.8531	1.26943302	0.00014386	No
						Manbal	29.2398	65.2977	1.1591	29.2408	65.2987	1.15907149	0.00014386	No
						Manea	1.08746	2.55325	1.23138	1.08846	2.55425	1.23061135	0.00014386	No
						Mansc1	0.0768439	12.6568	7.36376	0.0778439	12.6578	7.34522697	0.00014386	No
						Maoa	0.197811	9.38532	5.56821	0.198811	9.38632	5.56109016	0.00014386	No
						Map1lc3a	15.7479	118.357	2.90991	15.7489	118.358	2.90983425	0.00014386	No
						Map1lc3b	106.802	164.631	0.624298	106.803	164.632	0.62429261	0.00014386	No
						Map2	0	1.03945	inf	0.001	1.04045	10.0229919	0.00014386	No
						Map2k1	44.0914	26.1096	-0.755917	44.0924	26.1106	-0.7558944	0.00014386	No
						Map2k2	72.024	175.307	1.28334	72.025	175.308	1.28332217	0.00014386	No
						Map2k3	4.64655	13.8106	1.57154	4.64755	13.8116	1.57133817	0.00014386	No
						Map2k4	17.31	11.9156	-0.53875	17.311	11.9166	-0.5387164	0.00014386	No
						Map2k5	13.94	34.8451	1.32173	13.941	34.8461	1.32166315	0.00014386	No
						Map2k6	22.373	7.02078	-1.67205	22.374	7.02178	-1.6719145	0.00014386	No
						Map3k1	34.387	25.026	-0.458438	34.388	25.027	-0.4584198	0.00014386	No
						Map3k11	14.4184	23.2773	0.691018	14.4194	23.2783	0.69097457	0.00014386	No
						Map3k13	11.1805	7.00428	-0.67467	11.1815	7.00528	-0.6745991	0.00014386	No
						Map3k14	19.4063	3.6589	-2.40705	19.4073	3.6599	-2.4067233	0.00014386	No
						Map3k2	10.9194	3.63714	-1.58601	10.9204	3.63814	-1.5857527	0.00014386	No
						Map3k3	23.7084	8.76473	-1.43562	23.7094	8.76573	-1.435513	0.00014386	No
						Map3k5	14.8791	24.7009	0.731277	14.8801	24.7019	0.73123779	0.00014386	No
						Map3k8	8.84999	2.93515	-1.59224	8.85099	2.93615	-1.5919132	0.00014386	No
						Map4k1	72.5162	10.5784	-2.77718	72.5172	10.5794	-2.7770654	0.00014386	No
						Map4k3	6.97344	43.1002	2.62775	6.97444	43.1012	2.62757875	0.00014386	No
						Map4k4	47.8876	11.5724	-2.04897	47.8886	11.5734	-2.0488695	0.00014386	No
						Map4k5	0.998699	8.31363	3.05736	0.999699	8.31463	3.05608638	0.00014386	No
						Map7	0.388104	27.9639	6.17098	0.389104	27.9649	6.16731755	0.00014386	No
						Map7d1	42.8487	29.6098	-0.533178	42.8497	29.6108	-0.5331616	0.00014386	No
						Map9	1.21263	1.93589	0.674852	1.21363	1.93689	0.67441337	0.00014386	No
						Mapk1	33.9239	24.7437	-0.45524	33.9249	24.7447	-0.455225	0.00014386	No
						Mapk1ip1l	28.3111	12.91	-1.13288	28.3121	12.911	-1.132818	0.00014386	No
						Mapk3	23.0019	61.9202	1.42866	23.0029	61.9212	1.42861768	0.00014386	No
						Mapk7	0.940089	3.60782	1.94026	0.941089	3.60882	1.93912411	0.00014386	No
						Mapk8	9.03828	4.46177	-1.01843	9.03928	4.46277	-1.0182684	0.00014386	No
						Mapk8ip1	0.177894	42.6987	7.90703	0.178894	42.6997	7.89897712	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mapk8ip3	26.8692	11.7169	-1.19736	26.8702	11.7179	-1.197293	0.00014386	No
						Mapkap1	21.9088	29.9899	0.452968	21.9098	29.9909	0.4529485	0.00014386	No
						Mapkbp1	6.65858	1.8162	-1.87429	6.65958	1.8172	-1.873714	0.00014386	No
						Mapre1	69.6094	30.4122	-1.19463	69.6104	30.4132	-1.1946052	0.00014386	No
						Mapre2	58.6209	24.4069	-1.26413	58.6219	24.4079	-1.2640916	0.00014386	No
						Mapre3	3.114	27.7922	3.15784	3.115	27.7932	3.15742788	0.00014386	No
						Mapt	0.0975216	12.3715	6.98708	0.0985216	12.3725	6.97248127	0.00014386	No
						Marcks	0.933214	3.54876	1.92704	0.934214	3.54976	1.92589652	0.00014386	No
						Marcksl1	5.09683	19.3348	1.92353	5.09783	19.3358	1.92331929	0.00014386	No
						Marf1	21.3535	8.33866	-1.35658	21.3545	8.33966	-1.3564796	0.00014386	No
						Mark2	49.5264	28.3789	-0.803379	49.5274	28.3799	-0.8033574	0.00014386	No
						Mark4	9.99239	5.40618	-0.886221	9.99339	5.40718	-0.8860978	0.00014386	No
						Marveld1	0.664476	6.7539	3.34543	0.665476	6.7549	3.34347587	0.00014386	No
						Mast2	6.28319	16.3597	1.38058	6.28419	16.3607	1.38043577	0.00014386	No
						Mast3	35.2456	13.8728	-1.34519	35.2466	13.8738	-1.3451211	0.00014386	No
						Matr3	102.802	43.7154	-1.23366	102.803	43.7164	-1.2336359	0.00014386	No
						MAU2	51.4428	23.0198	-1.16009	51.4438	23.0208	-1.1600592	0.00014386	No
						Max	177.149	43.4958	-2.02602	177.15	43.4968	-2.0259903	0.00014386	No
						Maz	102.691	34.3285	-1.58083	102.692	34.3295	-1.580803	0.00014386	No
						Mbd5	4.33874	1.58629	-1.45162	4.33974	1.58729	-1.4510429	0.00014386	No
						Mbip	9.65084	4.62141	-1.06232	9.65184	4.62241	-1.0621588	0.00014386	No
						Mbl1	0	3.20603	inf	0.001	3.20703	11.6470221	0.00014386	No
						Mblac1	4.30701	7.89473	0.874201	4.30801	7.89573	0.87405106	0.00014386	No
						Mbnl1	356.936	31.7306	-3.49172	356.937	31.7316	-3.4916773	0.00014386	No
						Mbnl2	12.6718	19.8439	0.647068	12.6728	19.8449	0.64703298	0.00014386	No
						Mbnl3	3.29577	0.922412	-1.83713	3.29677	0.923412	-1.8360069	0.00014386	No
						Mboat1	2.03466	12.0741	2.56905	2.03566	12.0751	2.56846661	0.00014386	No
						Mboat2	0.0602278	17.9998	8.22334	0.0612278	18.0008	8.19965846	0.00014386	No
						Mboat7	7.89252	14.1514	0.84239	7.89352	14.1524	0.84230603	0.00014386	No
						MBP	71.3542	10.9827	-2.69976	71.3552	10.9837	-2.6996544	0.00014386	No
						Mbtd1	18.5706	4.73105	-1.97279	18.5716	4.73205	-1.9725609	0.00014386	No
						Mbtps1	155.182	60.1239	-1.36795	155.183	60.1249	-1.367936	0.00014386	No
						Mbtps2	7.49314	2.5015	-1.58278	7.49414	2.5025	-1.5823929	0.00014386	No
						Mcam	0.592628	3.55158	2.58326	0.593628	3.55258	2.58123609	0.00014386	No
						Mcart1	5.38085	20.3566	1.91959	5.38185	20.3576	1.9193934	0.00014386	No
						Mcart1l	42.834	0.228784	-7.54862	42.835	0.229784	-7.5423679	0.00014386	No
						Mccc1	28.6173	78.9211	1.46352	28.6183	78.9221	1.46349137	0.00014386	No
						Mccc2	3.94091	48.5636	3.62327	3.94191	48.5646	3.62293834	0.00014386	No
						Mcee	6.16711	91.8398	3.89645	6.16811	91.8408	3.89623481	0.00014386	No
						Mcf2l	0.671498	10.518	3.96933	0.672498	10.519	3.96732377	0.00014386	No
						Mcm2	16.4491	7.70863	-1.09346	16.4501	7.70963	-1.0933628	0.00014386	No
						Mcm3	37.9196	3.15223	-3.5885	37.9206	3.15323	-3.5880795	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mcm4	12.2	3.28429	-1.89322	12.201	3.28529	-1.8929068	0.00014386	No
						Mcm5	12.9236	4.28472	-1.59273	12.9246	4.28572	-1.5925101	0.00014386	No
						Mcm6	20.9542	4.27483	-2.2933	20.9552	4.27583	-2.2930319	0.00014386	No
						Mcm7	43.6889	14.9382	-1.54826	43.6899	14.9392	-1.5481969	0.00014386	No
						Mcoln1	10.2874	20.9605	1.02679	10.2884	20.9615	1.02672332	0.00014386	No
						Mcts1	47.4873	33.2614	-0.513693	47.4883	33.2624	-0.5136798	0.00014386	No
						Mcur1	10.3077	14.0788	0.449799	10.3087	14.0798	0.44976443	0.00014386	No
						Mdc1	3.65328	2.13365	-0.775868	3.65428	2.13465	-0.7755876	0.00014386	No
						Mdfic	1.25575	11.8303	3.23586	1.25675	11.8313	3.23483901	0.00014386	No
						Mdh1	102.073	833.367	3.02936	102.074	833.368	3.02933827	0.00014386	No
						Mdh2	126.257	365.35	1.53291	126.258	365.351	1.53290835	0.00014386	No
						Mdm2	27.9915	13.058	-1.10006	27.9925	13.059	-1.0999959	0.00014386	No
						Mdm4	76.6372	7.73655	-3.30828	76.6382	7.73755	-3.3081149	0.00014386	No
						Mdp1	20.4595	11.4032	-0.843329	20.4605	11.4042	-0.8432762	0.00014386	No
						Me1	0.242259	32.0599	7.04808	0.243259	32.0609	7.04217793	0.00014386	No
						Me2	12.2492	8.18685	-0.581308	12.2502	8.18785	-0.5812487	0.00014386	No
						Me3	0	16.6573	inf	0.001	16.6583	14.0239536	0.00014386	No
						Mecom	0.0915119	40.5863	8.79282	0.0925119	40.5873	8.7771737	0.00014386	No
						Mecp2	7.85115	3.60211	-1.12406	7.85215	3.60311	-1.123845	0.00014386	No
						Mecr	4.65149	14.5889	1.64911	4.65249	14.5899	1.64889504	0.00014386	No
						Med1	24.9391	9.98871	-1.32004	24.9401	9.98971	-1.3199525	0.00014386	No
						Med12	50.4307	19.2844	-1.38687	50.4317	19.2854	-1.3868218	0.00014386	No
						Med13	11.6156	4.02452	-1.52918	11.6166	4.02552	-1.5289408	0.00014386	No
						Med13l	10.0133	3.52546	-1.50604	10.0143	3.52646	-1.505769	0.00014386	No
						Med14	31.3818	18.3254	-0.776084	31.3828	18.3264	-0.7760507	0.00014386	No
						Med15	68.5375	24.4721	-1.48575	68.5385	24.4731	-1.4857178	0.00014386	No
						Med18	50.0878	15.5914	-1.6837	50.0888	15.5924	-1.683645	0.00014386	No
						MED20	8.22301	18.3904	1.16121	8.22401	18.3914	1.16111738	0.00014386	No
						Med22	4.88698	12.3516	1.33768	4.88798	12.3526	1.33750445	0.00014386	No
						Med23	19.2327	9.53808	-1.01179	19.2337	9.53908	-1.0117143	0.00014386	No
						Med25	59.7826	127.445	1.09208	59.7836	127.446	1.09206441	0.00014386	No
						Med26	5.7495	2.91822	-0.978349	5.7505	2.91922	-0.9781045	0.00014386	No
						Med29	47.6882	208.725	2.1299	47.6892	208.726	2.12987583	0.00014386	No
						Med31	25.1861	62.3354	1.30742	25.1871	62.3364	1.30738982	0.00014386	No
						Med6	17.2987	27.9995	0.694738	17.2997	28.0005	0.69470557	0.00014386	No
						Med9	3.30602	9.86517	1.57725	3.30702	9.86617	1.57695838	0.00014386	No
						Medag	0	5.93119	inf	0.001	5.93219	12.5343491	0.00014386	No
						Mef2a	17.4647	9.47376	-0.882437	17.4657	9.47476	-0.8823632	0.00014386	No
						Mef2b	31.7354	46.0052	0.535705	31.7364	46.0062	0.53568981	0.00014386	No
						Mef2d	40.3984	10.6331	-1.92574	40.3994	10.6341	-1.9256359	0.00014386	No
						Megf11	0.0134016	10.9987	9.6807	0.0144016	10.9997	9.57701936	0.00014386	No
						Megf9	0.590072	1.88034	1.67203	0.591072	1.88134	1.67035481	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Meis2	0	5.92129	inf	0.001	5.92229	12.5319394	0.00014386	No
						Meis3	18.5474	7.6247	-1.28247	18.5484	7.6257	-1.2823531	0.00014386	No
						Memo1	76.4283	34.5018	-1.14743	76.4293	34.5028	-1.1474124	0.00014386	No
						Men1	24.2896	16.6291	-0.546625	24.2906	16.6301	-0.5466013	0.00014386	No
						Mep1a	0	46.5102	inf	0.001	46.5112	15.5052905	0.00014386	No
						Mep1b	0	10.9853	inf	0.001	10.9863	13.423418	0.00014386	No
						Mesdc2	22.7973	38.8844	0.770329	22.7983	38.8854	0.77030233	0.00014386	No
						Met	0.0144913	32.0891	11.1127	0.0154913	32.0901	11.0164544	0.00014386	No
						Metap1	30.7115	22.1028	-0.474547	30.7125	22.1038	-0.4745315	0.00014386	No
						Metrn1	1.57045	22.2032	3.82152	1.57145	22.2042	3.82066432	0.00014386	No
						Mettl13	11.7874	5.78605	-1.02659	11.7884	5.78705	-1.0264679	0.00014386	No
						Mettl14	23.2848	14.4013	-0.693191	23.2858	14.4023	-0.6931512	0.00014386	No
						Mettl17	24.3513	12.2788	-0.987823	24.3523	12.2798	-0.987771	0.00014386	No
						Mettl18	8.09041	4.4661	-0.857199	8.09141	4.4671	-0.8570526	0.00014386	No
						Mettl20	22.7665	11.9609	-0.928594	22.7675	11.9619	-0.9285293	0.00014386	No
						Mettl21a	9.05271	3.59458	-1.33253	9.05371	3.59558	-1.3322846	0.00014386	No
						Mettl22	49.9423	18.9972	-1.39447	49.9433	18.9982	-1.3944284	0.00014386	No
						Mettl23	62.2534	18.4171	-1.7571	62.2544	18.4181	-1.7570516	0.00014386	No
						Mettl24	6.93725	0	-inf	6.93825	0.001	-12.760356	0.00014386	No
						Mettl2b	11.0901	5.73358	-0.951764	11.0911	5.73458	-0.9516427	0.00014386	No
						Mettl7a	15.7139	33.215	1.07979	15.7149	33.216	1.07974526	0.00014386	No
						Mettl8	44.174	25.8693	-0.771959	44.175	25.8703	-0.7719334	0.00014386	No
						Mettl9	20.0012	65.5234	1.71193	20.0022	65.5244	1.71187355	0.00014386	No
						Mex3d	1.15821	2.96996	1.35855	1.15921	2.97096	1.35778724	0.00014386	No
						Mfap1a	24.7289	16.8127	-0.556644	24.7299	16.8137	-0.5566192	0.00014386	No
						Mfap3l	0.0427924	18.5468	8.7596	0.0437924	18.5478	8.72635184	0.00014386	No
						Mfng	51.1321	4.79623	-3.41426	51.1331	4.79723	-3.413984	0.00014386	No
						Mfsd1	15.6497	25.7536	0.718638	15.6507	25.7546	0.71860295	0.00014386	No
						Mfsd10	15.2579	4.88676	-1.6426	15.2589	4.88776	-1.6424056	0.00014386	No
						Mfsd4	57.8725	14.8839	-1.95913	57.8735	14.8849	-1.9590534	0.00014386	No
						Mfsd8	13.0856	3.69264	-1.82526	13.0866	3.69364	-1.8249752	0.00014386	No
						Mga	15.0128	4.9978	-1.58682	15.0138	4.9988	-1.5866355	0.00014386	No
						Mgam	0.0767469	33.3073	8.76152	0.0777469	33.3083	8.74288086	0.00014386	No
						Mgat1	46.3237	28.5791	-0.696792	46.3247	28.5801	-0.6967707	0.00014386	No
						Mgat2	20.2494	9.02884	-1.16527	20.2504	9.02984	-1.1651781	0.00014386	No
						Mgat3	0.0214729	5.46922	7.99268	0.0224729	5.47022	7.92726874	0.00014386	No
						Mgat4b	5.76097	54.6693	3.24635	5.76197	54.6703	3.24612324	0.00014386	No
						MGC105567	6.85591	3.85017	-0.832424	6.85691	3.85117	-0.8322618	0.00014386	No
						MGC105649	24.6046	4.63566	-2.40808	24.6056	4.63666	-2.4078289	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						MGC108823	57.9432	6.4458	-3.16821	57.9442	6.4468	-3.1680091	0.00014386	No
						MGC112715	140.58	6.82348	-4.36474	140.581	6.82448	-4.3645387	0.00014386	No
						MGC112830	27.3431	15.1528	-0.851587	27.3441	15.1538	-0.85155	0.00014386	No
						MGC94199	1.39695	8.43818	2.59465	1.39795	8.43918	2.59379006	0.00014386	No
						MGC95152	14.0055	28.9245	1.0463	14.0065	28.9255	1.0462454	0.00014386	No
						Mgea5	64.1038	31.0935	-1.0438	64.1048	31.0945	-1.043773	0.00014386	No
						Mgll	0.120372	170.419	10.4674	0.121372	170.42	10.4554433	0.00014386	No
						Mgp	0	59.0622	inf	0.001	59.0632	15.8499719	0.00014386	No
						Mgrn1	20.9976	54.102	1.36545	20.9986	54.103	1.36541545	0.00014386	No
						Mgst1	3.9303	69.8511	4.15157	3.9313	69.8521	4.15122512	0.00014386	No
						Mgst3	7.95048	365.668	5.52335	7.95148	365.669	5.5231711	0.00014386	No
						Mia	33.0219	14.5536	-1.18205	33.0229	14.5546	-1.1819916	0.00014386	No
						Mia3	33.5478	15.6045	-1.10426	33.5488	15.6055	-1.1042066	0.00014386	No
						Mib2	12.1933	21.647	0.828083	12.1943	21.648	0.8280268	0.00014386	No
						Mical1	110.4	20.3814	-2.43741	110.401	20.3824	-2.4373574	0.00014386	No
						Mical3	2.93398	8.63362	1.55711	2.93498	8.63462	1.55678202	0.00014386	No
						Micu1	7.50131	15.8222	1.07673	7.50231	15.8232	1.07663461	0.00014386	No
						Mid1	0.133717	2.52752	4.24046	0.134717	2.52852	4.23028937	0.00014386	No
						Mid1ip1	17.5318	53.25	1.60281	17.5328	53.251	1.6027522	0.00014386	No
						Midn	23.7358	34.2549	0.529242	23.7368	34.2559	0.52922703	0.00014386	No
						Mien1	30.2429	59.6557	0.980063	30.2439	59.6567	0.98003999	0.00014386	No
						Mier1	52.2648	15.8091	-1.72509	52.2658	15.8101	-1.7250207	0.00014386	No
						Mif	349.605	689.796	0.980444	349.606	689.797	0.98044191	0.00014386	No
						Mif4gd	33.8022	48.0968	0.508821	33.8032	48.0978	0.50881108	0.00014386	No
						Milr1	22.4272	0.958196	-4.54879	22.4282	0.959196	-4.5473444	0.00014386	No
						Mink1	38.8811	28.247	-0.460968	38.8821	28.248	-0.4609574	0.00014386	No
						Minos1	199.121	530.337	1.41326	199.122	530.338	1.4132595	0.00014386	No
						Minpp1	4.46723	23.9714	2.42386	4.46823	23.9724	2.423599	0.00014386	No
						Mios	5.46996	3.76831	-0.537615	5.47096	3.76931	-0.5374936	0.00014386	No
						Miox	0.146634	1405.68	13.2268	0.147634	1405.681	13.2169566	0.00014386	No
						Mipep	2.84338	21.1306	2.89365	2.84438	21.1316	2.89321588	0.00014386	No
						Mipol1	1.17847	3.56599	1.59739	1.17947	3.56699	1.59656845	0.00014386	No
						Mir101a	1.72813	0.423616	-2.02838	1.72913	0.424616	-2.0258157	0.00014386	No
						Mir101b	22.8486	11.5306	-0.986634	22.8496	11.5316	-0.9865762	0.00014386	No
						Mir186	70.7709	19.8123	-1.83676	70.7719	19.8133	-1.8367075	0.00014386	No
						Mir21	37.5044	26.5792	-0.496767	37.5054	26.5802	-0.4967464	0.00014386	No
						Mir22	2.10406	11.2659	2.42071	2.10506	11.2669	2.42015736	0.00014386	No
						Mir221	0.63468	4.32717	2.76932	0.63568	4.32817	2.76738456	0.00014386	No
						Mir349	0.788029	56.0439	6.15217	0.789029	56.0449	6.15036096	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mir632	116.068	72.9042	-0.670894	116.069	72.9052	-0.6708891	0.00014386	No
						Mir678	80.024	46.2366	-0.791397	80.025	46.2376	-0.7913843	0.00014386	No
						Mir702	21.7427	38.9841	0.842355	21.7437	38.9851	0.84232538	0.00014386	No
						Mir761	90.987	155.629	0.774375	90.988	155.63	0.774372	0.00014386	No
						Mis18bp1	7.50283	0.400749	-4.22667	7.50383	0.401749	-4.2232608	0.00014386	No
						Mitd1	18.8984	7.88083	-1.26184	18.8994	7.88183	-1.2617379	0.00014386	No
						Mitf	0.0846519	11.6674	7.10673	0.0856519	11.6684	7.08990578	0.00014386	No
						Mkl1	39.3224	4.40308	-3.15876	39.3234	4.40408	-3.1584755	0.00014386	No
						Mkln1	21.6253	57.4843	1.41045	21.6263	57.4853	1.41040622	0.00014386	No
						Mknk1	26.0653	12.6291	-1.04538	26.0663	12.6301	-1.0453198	0.00014386	No
						Mknk2	112.138	44.4529	-1.33493	112.139	44.4539	-1.3349062	0.00014386	No
						Mks1	3.79033	7.31855	0.949234	3.79133	7.31955	0.94905092	0.00014386	No
						Mlana	0	3.6382	inf	0.001	3.6392	11.8294056	0.00014386	No
						Mlec	17.3418	32.3782	0.900764	17.3428	32.3792	0.9007305	0.00014386	No
						Mlh1	21.6942	13.2195	-0.714636	21.6952	13.2205	-0.7145991	0.00014386	No
						Mllt10	33.5296	10.6521	-1.6543	33.5306	10.6531	-1.654205	0.00014386	No
						Mllt3	16.9043	3.74264	-2.17526	16.9053	3.74364	-2.174962	0.00014386	No
						Mllt4	0.112495	35.2608	8.29207	0.113495	35.2618	8.27933357	0.00014386	No
						Mllt6	41.0453	17.0959	-1.26357	41.0463	17.0969	-1.2635174	0.00014386	No
						Mlxip	5.12389	1.80829	-1.50262	5.12489	1.80929	-1.5020974	0.00014386	No
						Mmachc	3.3165	9.3964	1.50244	3.3175	9.3974	1.50216519	0.00014386	No
						Mmadhc	17.734	52.9181	1.57724	17.735	52.9191	1.5771892	0.00014386	No
						Mme	0.0196824	26.6018	10.4004	0.0206824	26.6028	10.3289588	0.00014386	No
						Mmgt1	1.63455	7.67931	2.23208	1.63555	7.68031	2.23138868	0.00014386	No
						Mmp12	0	1.53634	inf	0.001	1.53734	10.5862206	0.00014386	No
						Mmp24	0.772437	11.1604	3.85283	0.773437	11.1614	3.85109041	0.00014386	No
						Mmrn2	0.484473	6.47529	3.74046	0.485473	6.47629	3.73770462	0.00014386	No
						Mms19l	47.1768	25.9338	-0.863242	47.1778	25.9348	-0.8632189	0.00014386	No
						Mnat1	35.2402	21.0213	-0.74537	35.2412	21.0223	-0.7453425	0.00014386	No
						Mnf1	38.4919	114.031	1.5668	38.4929	114.032	1.56677446	0.00014386	No
						Mnt	10.4741	3.61982	-1.53283	10.4751	3.62082	-1.5325757	0.00014386	No
						Mob1a	42.5588	12.9978	-1.71119	42.5598	12.9988	-1.7111129	0.00014386	No
						Mob2	56.1427	28.4256	-0.981907	56.1437	28.4266	-0.9818826	0.00014386	No
						Mob3b	0.826006	7.34994	3.15351	0.827006	7.35094	3.15195904	0.00014386	No
						Mob4	22.3045	14.3684	-0.634439	22.3055	14.3694	-0.6343997	0.00014386	No
						Mocos	0.203638	2.05976	3.33839	0.204638	2.06076	3.33203052	0.00014386	No
						Mocs1	7.59403	13.3263	0.81134	7.59503	13.3273	0.81125696	0.00014386	No
						Mok	0.259275	14.7624	5.8313	0.260275	14.7634	5.82584446	0.00014386	No
						MON1A	28.4114	81.1571	1.51425	28.4124	81.1581	1.51421439	0.00014386	No
						Mon1b	15.3514	8.70133	-0.819061	15.3524	8.70233	-0.8189906	0.00014386	No
						Mon2	43.6447	12.5751	-1.79523	43.6457	12.5761	-1.7951549	0.00014386	No
						Morc1	1.85496	0	-inf	1.85596	0.001	-10.85795	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Morc2	8.75471	5.35617	-0.708857	8.75571	5.35717	-0.7087531	0.00014386	No
						Morc3	56.3833	7.65664	-2.88048	56.3843	7.65764	-2.8803218	0.00014386	No
						MORF4L1	224.478	171.506	-0.388315	224.479	171.507	-0.388313	0.00014386	No
						Morf4l2	47.8362	85.4164	0.836412	47.8372	85.4174	0.83639704	0.00014386	No
						Morn1	0.262121	17.3705	6.05026	0.263121	17.3715	6.04485213	0.00014386	No
						MOSPD1	0.0667723	0.851255	3.67227	0.0677723	0.852255	3.65251752	0.00014386	No
						Mov10	100.021	8.96861	-3.47928	100.022	8.96961	-3.4791283	0.00014386	No
						MP68	77.6508	319.553	2.04098	77.6518	319.554	2.04096847	0.00014386	No
						Mpa2l	238.981	6.64017	-5.16953	238.982	6.64117	-5.1693207	0.00014386	No
						Mpc1	54.4618	711.146	3.70683	54.4628	711.147	3.70680475	0.00014386	No
						Mpc2	45.5108	358.385	2.97723	45.5118	358.386	2.97720173	0.00014386	No
						Mpdu1	26.5491	52.3175	0.978629	26.5501	52.3185	0.97860388	0.00014386	No
						Mpdz	0	4.97295	inf	0.001	4.97395	12.2801763	0.00014386	No
						Mphosph10	26.5509	8.472	-1.64798	26.5519	8.473	-1.6478703	0.00014386	No
						Mphosph6	26.7123	16.4939	-0.695568	26.7133	16.4949	-0.6955382	0.00014386	No
						Mphosph8	58.8629	33.1851	-0.826823	58.8639	33.1861	-0.826804	0.00014386	No
						Mphosph9	7.85367	0.92307	-3.08885	7.85467	0.92407	-3.0874766	0.00014386	No
						Mpi	17.0038	29.1987	0.780045	17.0048	29.1997	0.78001151	0.00014386	No
						Mpnd	113.034	181.631	0.684261	113.035	181.632	0.68424884	0.00014386	No
						Mpp4	4.84636	0	-inf	4.84736	0.001	-12.242984	0.00014386	No
						Mpp5	3.43326	14.1101	2.03908	3.43426	14.1111	2.03875928	0.00014386	No
						Mpp7	0.868676	3.42509	1.97925	0.869676	3.42609	1.97801312	0.00014386	No
						Mppe1	18.6315	10.6924	-0.801159	18.6325	10.6934	-0.8011006	0.00014386	No
						Mpped1	0	1.34476	inf	0.001	1.34576	10.3942054	0.00014386	No
						Mpped2	0.331389	4.41946	3.73727	0.332389	4.42046	3.73325196	0.00014386	No
						Mprip	25.197	107.361	2.09114	25.198	107.362	2.09110232	0.00014386	No
						Mpv17l	0.101992	17.4106	7.41536	0.102992	17.4116	7.40137269	0.00014386	No
						Mpv17l2	24.4569	50.6866	1.05136	24.4579	50.6876	1.05133232	0.00014386	No
						Mpzl1	3.66135	15.5543	2.08687	3.66235	15.5553	2.08656464	0.00014386	No
						Mpzl2	0.340944	10.5281	4.94857	0.341944	10.5291	4.94447824	0.00014386	No
						Mr1	11.5029	0.33808	-5.08849	11.5039	0.33908	-5.0843535	0.00014386	No
						Mras	0.662434	26.2377	5.30772	0.663434	26.2387	5.30559948	0.00014386	No
						Mre11a	7.54344	4.09116	-0.882713	7.54444	4.09216	-0.8825513	0.00014386	No
						MRI	13.1257	5.47394	-1.26175	13.1267	5.47494	-1.2615892	0.00014386	No
						Mro	0	45.9938	inf	0.001	45.9948	15.4891831	0.00014386	No
						Mroh1	28.9631	68.5123	1.24215	28.9641	68.5133	1.24211824	0.00014386	No
						Mroh6	1.20704	3.96556	1.71605	1.20804	3.96656	1.71522015	0.00014386	No
						Mrpl10	21.4052	33.0208	0.625414	21.4062	33.0218	0.62539005	0.00014386	No
						mrpl11	28.2454	63.4267	1.16708	28.2464	63.4277	1.16704602	0.00014386	No
						Mrpl12	48.986	204.449	2.0613	48.987	204.45	2.06127722	0.00014386	No
						Mrpl13	43.8712	93.8062	1.09641	43.8722	93.8072	1.09639161	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mrpl15	30.4306	151.392	2.3147	30.4316	151.393	2.31465641	0.00014386	No
						Mrpl16	13.9067	46.3267	1.73606	13.9077	46.3277	1.73599121	0.00014386	No
						Mrpl17	73.5798	129.362	0.814035	73.5808	129.363	0.81402377	0.00014386	No
						Mrpl2	26.0469	58.159	1.15889	26.0479	58.16	1.1588602	0.00014386	No
						Mrpl22	27.7232	74.3066	1.42239	27.7242	74.3076	1.42236394	0.00014386	No
						Mrpl27	48.6662	120.65	1.30983	48.6672	120.651	1.30981819	0.00014386	No
						Mrpl28	33.7355	79.2534	1.2322	33.7365	79.2544	1.23218072	0.00014386	No
						Mrpl3	21.5169	47.4724	1.14162	21.5179	47.4734	1.14158209	0.00014386	No
						MRPL30	9.24823	26.3047	1.50807	9.24923	26.3057	1.50797027	0.00014386	No
						Mrpl32	70.325	46.8939	-0.584638	70.326	46.8949	-0.5846271	0.00014386	No
						Mrpl34	72.251	118.909	0.718766	72.252	118.91	0.71876062	0.00014386	No
						Mrpl35	26.4181	38.8329	0.555753	26.4191	38.8339	0.55573528	0.00014386	No
						Mrpl36	39.6261	67.706	0.772833	39.6271	67.707	0.77281761	0.00014386	No
						Mrpl4	25.5957	46.1653	0.850906	25.5967	46.1663	0.85088229	0.00014386	No
						Mrpl40	6.38663	14.6855	1.20127	6.38763	14.6865	1.20113797	0.00014386	No
						Mrpl41	38.6163	77.9922	1.01412	38.6173	77.9932	1.01410105	0.00014386	No
						Mrpl42	51.9189	101.142	0.962055	51.9199	101.143	0.96203697	0.00014386	No
						Mrpl44	18.288	28.1722	0.623374	18.289	28.1732	0.62334724	0.00014386	No
						MRPL48	26.7143	83.5014	1.64419	26.7153	83.5024	1.64415145	0.00014386	No
						Mrpl49	13.2565	32.0115	1.27188	13.2575	32.0125	1.2718266	0.00014386	No
						Mrpl50	10.0486	40.8517	2.0234	10.0496	40.8527	2.02329335	0.00014386	No
						Mrpl51	5.95281	14.1997	1.25422	5.95381	14.2007	1.25407696	0.00014386	No
						Mrpl52	51.3631	109.183	1.08795	51.3641	109.184	1.08792919	0.00014386	No
						Mrpl54	57.41	167.591	1.54557	57.411	167.592	1.54555419	0.00014386	No
						Mrpl55	30.6851	57.5406	0.90704	30.6861	57.5416	0.90702004	0.00014386	No
						mrpl9	67.6559	46.9356	-0.527532	67.6569	46.9366	-0.5275237	0.00014386	No
						Mrps11	21.5145	50.8949	1.24221	21.5155	50.8959	1.24217307	0.00014386	No
						Mrps14	18.6697	31.8183	0.769153	18.6707	31.8193	0.76912608	0.00014386	No
						Mrps15	72.4211	33.0089	-1.13355	72.4221	33.0099	-1.1335312	0.00014386	No
						Mrps16	41.3239	142.555	1.78647	41.3249	142.556	1.78644553	0.00014386	No
						Mrps17	32.1453	60.6794	0.9166	32.1463	60.6804	0.9165779	0.00014386	No
						Mrps18a	43.2029	94.6548	1.13155	43.2039	94.6558	1.13152936	0.00014386	No
						Mrps18b	41.1805	60.5172	0.555386	41.1815	60.5182	0.5553727	0.00014386	No
						Mrps18c	33.5541	54.4674	0.698906	33.5551	54.4684	0.69888743	0.00014386	No
						MRPS21	167.637	233.201	0.476235	167.638	233.202	0.47623095	0.00014386	No
						Mrps24	69.0386	91.3359	0.403779	69.0396	91.3369	0.40377372	0.00014386	No
						Mrps25	62.8618	142.58	1.18152	62.8628	142.581	1.18150331	0.00014386	No
						Mrps28	47.9478	108.643	1.18006	47.9488	108.644	1.18004189	0.00014386	No
						Mrps34	79.3645	149.195	0.910637	79.3655	149.196	0.91062494	0.00014386	No
						Mrps36	32.4038	101.584	1.64844	32.4048	101.585	1.64840796	0.00014386	No
						Mrps7	22.1007	56.5164	1.35458	22.1017	56.5174	1.35453776	0.00014386	No
						Mrvi1	0.168614	5.25902	4.963	0.169614	5.26002	4.95474112	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ms4a1	6.56357	0.129123	-5.66766	6.56457	0.130123	-5.6567526	0.00014386	No
						Ms4a4c	206.516	2.26022	-6.51365	206.517	2.26122	-6.5130154	0.00014386	No
						Ms4a6b	290.805	5.90108	-5.62293	290.806	5.90208	-5.6226897	0.00014386	No
						Msantd2	29.1656	15.0416	-0.955316	29.1666	15.0426	-0.9552633	0.00014386	No
						Msantd3	0	4.57227	inf	0.001	4.57327	12.1590104	0.00014386	No
						Msantd4	5.11986	13.222	1.36876	5.12086	13.223	1.36859151	0.00014386	No
						Msh2	29.4696	11.6422	-1.33986	29.4706	11.6432	-1.3397888	0.00014386	No
						Msl1	61.7366	15.7453	-1.97121	61.7376	15.7463	-1.9711365	0.00014386	No
						Msl2	34.2457	9.9378	-1.78492	34.2467	9.9388	-1.7848214	0.00014386	No
						Msmo1	9.17978	28.1332	1.61574	9.18078	28.1342	1.61563631	0.00014386	No
						Msn	287.333	116.349	-1.30427	287.334	116.35	-1.3042575	0.00014386	No
						Msra	5.0539	132.77	4.71538	5.0549	132.771	4.7151137	0.00014386	No
						Mss51	48.4313	26.7075	-0.858692	48.4323	26.7085	-0.8586706	0.00014386	No
						Mst4	67.1992	4.75447	-3.82109	67.2002	4.75547	-3.8208057	0.00014386	No
						Msx2	0	1.16565	inf	0.001	1.16665	10.1881561	0.00014386	No
						Mt1a	83.1368	1931.5	4.53809	83.1378	1931.501	4.53807404	0.00014386	No
						Mt2A	2.7855	2567.88	9.84842	2.7865	2567.881	9.84790848	0.00014386	No
						Mta3	48.7384	24.1246	-1.01455	48.7394	24.1256	-1.0145237	0.00014386	No
						Mtap	15.2151	4.64111	-1.71296	15.2161	4.64211	-1.712746	0.00014386	No
						Mtch1	95.5842	143.955	0.590776	95.5852	143.956	0.59076876	0.00014386	No
						Mtch2	31.8324	75.7983	1.25167	31.8334	75.7993	1.25164327	0.00014386	No
						Mtdh	24.1425	6.52277	-1.88802	24.1435	6.52377	-1.887857	0.00014386	No
						Mterf	19.8488	13.9353	-0.510311	19.8498	13.9363	-0.5102769	0.00014386	No
						Mtf2	13.9614	4.25124	-1.71549	13.9624	4.25224	-1.715252	0.00014386	No
						Mtfmt	7.62712	18.844	1.30489	7.62812	18.845	1.30478235	0.00014386	No
						Mtfp1	1.94436	14.5417	2.90283	1.94536	14.5427	2.90218608	0.00014386	No
						Mtfr1	4.10044	9.64648	1.23422	4.10144	9.64748	1.23402162	0.00014386	No
						Mtfr1l	33.6107	46.1221	0.456536	33.6117	46.1231	0.45652597	0.00014386	No
						Mthfd1l	13.539	0.871563	-3.95737	13.54	0.872563	-3.9558246	0.00014386	No
						Mthfd2	58.3892	9.95154	-2.55271	58.3902	9.95254	-2.5525896	0.00014386	No
						Mthfr	0.581923	3.62557	2.63931	0.582923	3.62657	2.63722846	0.00014386	No
						Mtm1	7.19745	20.7534	1.52779	7.19845	20.7544	1.52765903	0.00014386	No
						Mtmr1	45.8367	26.7869	-0.774977	45.8377	26.7879	-0.7749532	0.00014386	No
						Mtmr10	0.757976	13.574	4.16255	0.758976	13.575	4.16075412	0.00014386	No
						Mtmr11	0.363725	34.552	6.56977	0.364725	34.553	6.56585807	0.00014386	No
						MTMR12	17.3295	4.91369	-1.81835	17.3305	4.91469	-1.818141	0.00014386	No
						Mtmr3	23.4815	15.5665	-0.59308	23.4825	15.5675	-0.5930487	0.00014386	No
						Mtor	10.8883	19.7601	0.859811	10.8893	19.7611	0.85975204	0.00014386	No
						Mtpap	17.7143	8.61918	-1.03929	17.7153	8.62018	-1.039206	0.00014386	No
						Mtr	6.43776	4.77729	-0.430365	6.43876	4.77829	-0.4302885	0.00014386	No
						Mtrf1	1.36192	10.0836	2.8883	1.36292	10.0846	2.88738107	0.00014386	No
						Mtrr	11.5587	7.07885	-0.707386	11.5597	7.07985	-0.7073133	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Mtus1	0.995441	12.9849	3.70536	0.996441	12.9859	3.70401781	0.00014386	No
						Muc1	1.08816	48.7522	5.4855	1.08916	48.7532	5.48420911	0.00014386	No
						Muc20	0.241847	10.7296	5.47136	0.242847	10.7306	5.46553927	0.00014386	No
						Muc6	9.05983	0.530898	-4.09298	9.06083	0.531898	-4.0904217	0.00014386	No
						Mum1	35.1261	14.4538	-1.28109	35.1271	14.4548	-1.2810358	0.00014386	No
						Mus81	12.3877	5.38108	-1.20294	12.3887	5.38208	-1.2027891	0.00014386	No
						Mustn1	17.3828	8.29484	-1.06737	17.3838	8.29584	-1.0672835	0.00014386	No
						Mut	6.59321	23.4919	1.83311	6.59421	23.4929	1.83295308	0.00014386	No
						Mutyh	28.4705	2.6726	-3.41315	28.4715	2.6736	-3.412663	0.00014386	No
						Mvb12a	25.2898	94.4131	1.90043	25.2908	94.4141	1.90038966	0.00014386	No
						Mx1	139.068	4.74708	-4.8726	139.069	4.74808	-4.8723128	0.00014386	No
						Mxd3	0.366562	2.2747	2.63354	0.367562	2.2757	2.63025086	0.00014386	No
						Mxi1	18.5392	64.1715	1.79136	18.5402	64.1725	1.79129838	0.00014386	No
						Mxra7	0.917818	9.09788	3.30925	0.918818	9.09888	3.30783795	0.00014386	No
						Mxra8	0.325847	4.05747	3.63831	0.326847	4.05847	3.63424859	0.00014386	No
						Myadm	32.5037	19.638	-0.726959	32.5047	19.639	-0.7269269	0.00014386	No
						Myb	17.5629	0.851209	-4.36687	17.5639	0.852209	-4.3652621	0.00014386	No
						Mybbp1a	29.5488	11.2725	-1.39029	29.5498	11.2735	-1.3902129	0.00014386	No
						Myc	79.969	22.7199	-1.81548	79.97	22.7209	-1.8154389	0.00014386	No
						Mycbp	14.7356	45.9573	1.64099	14.7366	45.9583	1.64092173	0.00014386	No
						Mycbp2	54.1153	6.615	-3.03222	54.1163	6.616	-3.0320321	0.00014386	No
						Myd88	31.9791	16.7338	-0.934369	31.9801	16.7348	-0.9343231	0.00014386	No
						Myeov2	126.586	297.461	1.23258	126.587	297.462	1.23257613	0.00014386	No
						Myh1	0	5.8356	inf	0.001	5.8366	12.5109125	0.00014386	No
						Myh7b	0.0882982	24.6325	8.12396	0.0892982	24.6335	8.10777481	0.00014386	No
						Myl12a	175.03	405.508	1.21213	175.031	405.509	1.21212347	0.00014386	No
						Myl12b	574.17	313.682	-0.872176	574.171	313.683	-0.8721731	0.00014386	No
						Myl9	4.13275	9.13321	1.14402	4.13375	9.13421	1.14382882	0.00014386	No
						Mylip	63.6103	12.4373	-2.35459	63.6113	12.4383	-2.3544938	0.00014386	No
						Mylk	0.295808	7.24852	4.61495	0.296808	7.24952	4.61028359	0.00014386	No
						Mynn	8.32589	2.40733	-1.79017	8.32689	2.40833	-1.7897447	0.00014386	No
						Myo10	1.49332	13.688	3.19632	1.49432	13.689	3.19545603	0.00014386	No
						MYO18A	6.51164	26.3569	2.01709	6.51264	26.3579	2.01692105	0.00014386	No
						Myo1d	0.554317	34.3342	5.95279	0.555317	34.3352	5.95023299	0.00014386	No
						Myo1e	0.826016	20.257	4.6161	0.827016	20.258	4.6144327	0.00014386	No
						Myo1f	24.6601	10.9034	-1.17741	24.6611	10.9044	-1.1773268	0.00014386	No
						Myo1g	78.7761	10.0093	-2.97641	78.7771	10.0103	-2.9762911	0.00014386	No
						Myo3b	0	0.796966	inf	0.001	0.797966	9.64018347	0.00014386	No
						Myo5c	3.55001	22.4822	2.66288	3.55101	22.4832	2.66254606	0.00014386	No
						Myo6	0.0832305	44.3476	9.05753	0.0842305	44.3486	9.04033012	0.00014386	No
						Myo9a	2.21076	4.78232	1.11317	2.21176	4.78332	1.11281746	0.00014386	No
						Myo9b	86.0049	27.2692	-1.65715	86.0059	27.2702	-1.6571104	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Myof	0.30762	33.8818	6.78321	0.30862	33.8828	6.77857773	0.00014386	No
						Myrf	0.222009	3.47718	3.96923	0.223009	3.47818	3.96315876	0.00014386	No
						Mysm1	15.7391	5.28309	-1.5749	15.7401	5.28409	-1.5747178	0.00014386	No
						Mzb1	3.09961	0.586026	-2.40305	3.10061	0.587026	-2.4010558	0.00014386	No
						Mzf1	0.719931	2.41706	1.74732	0.720931	2.41806	1.74591695	0.00014386	No
						Mzt2b	21.0928	12.0938	-0.802476	21.0938	12.0948	-0.8024321	0.00014386	No
						N4bp1	15.1972	8.66629	-0.810317	15.1982	8.66729	-0.8102476	0.00014386	No
						N4bp2	208.907	13.6466	-3.93624	208.908	13.6476	-3.9361486	0.00014386	No
						N4bp2l1	20.1919	2.8413	-2.82916	20.1929	2.8423	-2.8287174	0.00014386	No
						N4bp2l2	56.1376	25.1883	-1.15622	56.1386	25.1893	-1.1561821	0.00014386	No
						N6amt1	9.51206	27.3005	1.5211	9.51306	27.3015	1.52099884	0.00014386	No
						Naa15	14.6793	6.76554	-1.1175	14.6803	6.76654	-1.1173912	0.00014386	No
						Naa16	26.8356	7.09774	-1.91872	26.8366	7.09874	-1.918567	0.00014386	No
						Naa20	27.2465	67.9235	1.31784	27.2475	67.9245	1.31780817	0.00014386	No
						Naa38	65.9711	27.5539	-1.25958	65.9721	27.5549	-1.2595471	0.00014386	No
						Nab1	11.5268	7.84282	-0.555547	11.5278	7.84382	-0.5554889	0.00014386	No
						Naca	1847.86	654.872	-1.49657	1847.861	654.873	-1.4965692	0.00014386	No
						Nacc1	21.5446	11.4105	-0.916959	21.5456	11.4115	-0.9169048	0.00014386	No
						Nacc2	0.0696027	10.4986	7.23684	0.0706027	10.4996	7.2163953	0.00014386	No
						Nadk2	19.6997	8.61541	-1.19318	19.7007	8.61641	-1.1930881	0.00014386	No
						Naf1	6.34453	2.33424	-1.44256	6.34553	2.33524	-1.4421698	0.00014386	No
						Naga	7.30689	33.5711	2.19989	7.30789	33.5721	2.19973596	0.00014386	No
						Nagk	6.26507	33.0804	2.40057	6.26607	33.0814	2.4003875	0.00014386	No
						Naglu	3.29328	6.8658	1.0599	3.29428	6.8668	1.05967476	0.00014386	No
						Nampt	8.5895	29.097	1.76022	8.5905	29.098	1.76010599	0.00014386	No
						Nanos3	0	11.9765	inf	0.001	11.9775	13.5480392	0.00014386	No
						Nanp	8.21932	4.57973	-0.843755	8.22032	4.58073	-0.843617	0.00014386	No
						Nans	21.6103	49.27	1.18899	21.6113	49.271	1.18895289	0.00014386	No
						Nap1l1	428.361	60.1831	-2.83139	428.362	60.1841	-2.8313762	0.00014386	No
						Nap1l3	0	3.73805	inf	0.001	3.73905	11.868456	0.00014386	No
						Nap1l4	77.8816	38.1599	-1.02923	77.8826	38.1609	-1.0292059	0.00014386	No
						Napa	56.8787	79.5361	0.483721	56.8797	79.5371	0.48371411	0.00014386	No
						Naprt1	0.413765	114.49	8.1122	0.414765	114.491	8.10872432	0.00014386	No
						Napsa	4.20126	132.736	4.9816	4.20226	132.737	4.98126134	0.00014386	No
						Narfl	12.7289	23.134	0.861909	12.7299	23.135	0.86185601	0.00014386	No
						Nars	47.3267	29.4052	-0.686584	47.3277	29.4062	-0.6865644	0.00014386	No
						Nasp	37.0334	11.4782	-1.68993	37.0344	11.4792	-1.6898439	0.00014386	No
						NAT2	4.58293	8.5934	0.906959	4.58393	8.5944	0.90681191	0.00014386	No
						Nat8b	16.0099	63.6863	1.99202	16.0109	63.6873	1.9919513	0.00014386	No
						Nat9	54.3573	36.934	-0.557523	54.3583	36.935	-0.5575118	0.00014386	No
						Nbea	0.0201469	4.48637	7.79885	0.0211469	4.48737	7.72928015	0.00014386	No
						Nbeal1	1.16619	1.85414	0.668947	1.16719	1.85514	0.66848864	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nbeal2	61.2218	25.7711	-1.24829	61.2228	25.7721	-1.2482589	0.00014386	No
						Nbl1	0.199483	51.7505	8.01916	0.200483	51.7515	8.01197696	0.00014386	No
						Nbr1	35.6301	46.5378	0.385306	35.6311	46.5388	0.38529699	0.00014386	No
						Ncald	3.54714	7.37832	1.05664	3.54814	7.37932	1.05642494	0.00014386	No
						Ncapd2	5.69068	2.64048	-1.1078	5.69168	2.64148	-1.1075081	0.00014386	No
						Ncapd3	3.67355	2.09213	-0.8122	3.67455	2.09313	-0.8119057	0.00014386	No
						Ncapg2	1.49322	0.390834	-1.9338	1.49422	0.391834	-1.9310781	0.00014386	No
						Ncaph2	27.3203	16.0793	-0.764774	27.3213	16.0803	-0.7647318	0.00014386	No
						Ncdn	9.37741	6.03215	-0.636516	9.37841	6.03315	-0.6364319	0.00014386	No
						Nck1	34.0638	16.3327	-1.06048	34.0648	16.3337	-1.0604301	0.00014386	No
						Nck2	15.7059	22.999	0.550261	15.7069	23	0.55023539	0.00014386	No
						Nckap1	0.839755	63.4702	6.23997	0.840755	63.4712	6.23827286	0.00014386	No
						Nckap5	0	3.54256	inf	0.001	3.54356	11.7909838	0.00014386	No
						Nckap5l	6.95409	2.08442	-1.73821	6.95509	2.08542	-1.7377312	0.00014386	No
						Ncln	125.274	51.6047	-1.27951	125.275	51.6057	-1.2794962	0.00014386	No
						Ncoa1	22.9395	12.8383	-0.837384	22.9405	12.8393	-0.8373303	0.00014386	No
						Ncoa2	15.5915	4.14403	-1.91165	15.5925	4.14503	-1.9113978	0.00014386	No
						Ncoa3	42.1081	5.20434	-3.01631	42.1091	5.20534	-3.0160677	0.00014386	No
						Ncoa4	24.8039	58.327	1.2336	24.8049	58.328	1.23356347	0.00014386	No
						Ncoa6	11.4185	5.34774	-1.09438	11.4195	5.34874	-1.0942285	0.00014386	No
						NCOA7	14.3029	27.8721	0.962519	14.3039	27.8731	0.96246491	0.00014386	No
						Ndc1	4.92488	2.44363	-1.01106	4.92588	2.44463	-1.0107654	0.00014386	No
						Ndrg1	11.6194	427.379	5.20091	11.6204	427.38	5.20078776	0.00014386	No
						Ndrg2	3.67211	83.6191	4.50915	3.67311	83.6201	4.50877576	0.00014386	No
						Ndrg4	1.03885	19.2377	4.21088	1.03985	19.2387	4.20956398	0.00014386	No
						Ndst1	0.133475	32.6702	7.93526	0.134475	32.6712	7.92453765	0.00014386	No
						Ndst2	12.8473	6.59299	-0.962455	12.8483	6.59399	-0.9623539	0.00014386	No
						Ndufa1	295.909	788.33	1.41365	295.91	788.331	1.41364306	0.00014386	No
						Ndufa10	43.9342	108.094	1.29887	43.9352	108.095	1.29885063	0.00014386	No
						Ndufa11	91.1671	555.906	2.60826	91.1681	555.907	2.60824253	0.00014386	No
						Ndufa12	86.0624	378.419	2.13653	86.0634	378.42	2.1365166	0.00014386	No
						Ndufa13	160.782	442.446	1.4604	160.783	442.447	1.46038977	0.00014386	No
						Ndufa2	67.0295	282.19	2.0738	67.0305	282.191	2.07378238	0.00014386	No
						Ndufa3	116.657	489.844	2.07006	116.658	489.845	2.07004007	0.00014386	No
						Ndufa4	216.503	958.713	2.14671	216.504	958.714	2.14670682	0.00014386	No
						Ndufa5	61.7028	339.691	2.46082	61.7038	339.692	2.460796	0.00014386	No
						Ndufa6	177.985	460.116	1.37024	177.986	460.117	1.37023699	0.00014386	No
						Ndufa8	62.6866	157.909	1.33286	62.6876	157.91	1.33285053	0.00014386	No
						Ndufa9	61.3104	185.524	1.59741	61.3114	185.525	1.59738635	0.00014386	No
						Ndufab1	80.3448	356.159	2.14824	80.3458	356.16	2.14823098	0.00014386	No
						Ndufaf1	2.61115	7.56736	1.53511	2.61215	7.56836	1.53474297	0.00014386	No
						Ndufaf4	29.996	12.2215	-1.29534	29.997	12.2225	-1.2952788	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ndufaf5	13.0419	32.733	1.3276	13.0429	32.734	1.32752523	0.00014386	No
						Ndufaf6	4.31503	11.488	1.41268	4.31603	11.489	1.41247643	0.00014386	No
						Ndufb10	158.872	448.789	1.49817	158.873	448.79	1.49816657	0.00014386	No
						Ndufb11	200.956	411.557	1.03421	200.957	411.558	1.03420893	0.00014386	No
						Ndufb2	152.473	522.338	1.77643	152.474	522.339	1.77642317	0.00014386	No
						Ndufb3	71.5521	311.321	2.12134	71.5531	311.322	2.12132135	0.00014386	No
						Ndufb4	156.292	586.476	1.90783	156.293	586.477	1.90782137	0.00014386	No
						Ndufb5	61.3839	259.759	2.08124	61.3849	259.76	2.08122357	0.00014386	No
						Ndufb6	74.9558	380.412	2.34345	74.9568	380.413	2.34343528	0.00014386	No
						Ndufb7	71.9609	407.533	2.50163	71.9619	407.534	2.50161524	0.00014386	No
						Ndufb8	157.138	483.505	1.6215	157.139	483.506	1.62149251	0.00014386	No
						Ndufb9	114.109	520.551	2.18963	114.11	520.552	2.18961706	0.00014386	No
						Ndufc1	45.0414	382.263	3.08524	45.0424	382.264	3.08521373	0.00014386	No
						Ndufc2	106.454	239.986	1.17272	106.455	239.987	1.17271255	0.00014386	No
						Ndufs1	21.6905	101.652	2.2285	21.6915	101.653	2.22845107	0.00014386	No
						Ndufs2	66.6521	237.07	1.83059	66.6531	237.071	1.83057531	0.00014386	No
						Ndufs3	60.7115	276.411	2.18678	60.7125	276.412	2.18675476	0.00014386	No
						Ndufs4	19.5886	68.4195	1.80439	19.5896	68.4205	1.80434071	0.00014386	No
						Ndufs7	128.138	558.649	2.12424	128.139	558.65	2.12423507	0.00014386	No
						Ndufs8	64.3627	306.677	2.25242	64.3637	306.678	2.25240551	0.00014386	No
						Ndufv1	80.9808	264.398	1.70706	80.9818	264.399	1.7070471	0.00014386	No
						Ndufv2	95.1183	402.6	2.08155	95.1193	402.601	2.08154075	0.00014386	No
						NDUFV3	13.831	191.085	3.78823	13.832	191.086	3.7881404	0.00014386	No
						NEBL	43.4848	11.5116	-1.91743	43.4858	11.5126	-1.9173307	0.00014386	No
						Necap1	14.6105	25.0618	0.778488	14.6115	25.0628	0.77844331	0.00014386	No
						Necap2	54.5385	30.9183	-0.818813	54.5395	30.9193	-0.8187938	0.00014386	No
						Nedd1	4.45923	2.07152	-1.1061	4.46023	2.07252	-1.1057321	0.00014386	No
						Nedd4	37.8667	60.6185	0.678829	37.8677	60.6195	0.67881415	0.00014386	No
						Nedd4l	1.53695	29.2625	4.25091	1.53795	29.2635	4.25002182	0.00014386	No
						Nedd9	10.5777	14.4533	0.450367	10.5787	14.4543	0.4503364	0.00014386	No
						Neil1	40.785	9.65505	-2.07868	40.786	9.65605	-2.078569	0.00014386	No
						Nek1	2.12781	1.05709	-1.00928	2.12881	1.05809	-1.0085848	0.00014386	No
						Nek3	5.16783	17.1492	1.73051	5.16883	17.1502	1.73031574	0.00014386	No
						Nek4	1.16583	3.9872	1.77402	1.16683	3.9882	1.77314338	0.00014386	No
						Nek5	0	10.9389	inf	0.001	10.9399	13.4173119	0.00014386	No
						NEK6	3.67885	11.1606	1.60109	3.67985	11.1616	1.60082499	0.00014386	No
						Nek7	57.5033	30.5576	-0.912114	57.5043	30.5586	-0.9120914	0.00014386	No
						Nek8	4.61305	11.7629	1.35045	4.61405	11.7639	1.35026088	0.00014386	No
						Nelfa	24.338	15.2942	-0.670229	24.339	15.2952	-0.6701909	0.00014386	No
						Nelfcd	73.456	36.6996	-1.00111	73.457	36.7006	-1.0010963	0.00014386	No
						Nelfe	17.2689	31.3361	0.859651	17.2699	31.3371	0.85961195	0.00014386	No
						Nemf	32.9609	10.2036	-1.69169	32.9619	10.2046	-1.6915798	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nenf	6.82899	49.4811	2.85713	6.82999	49.4821	2.85695136	0.00014386	No
						Neo1	0.342242	16.9764	5.63237	0.343242	16.9774	5.62824563	0.00014386	No
						Net1	5.15202	60.592	3.55592	5.15302	60.593	3.55566104	0.00014386	No
						Neto2	0.878073	3.12615	1.83197	0.879073	3.12715	1.83079354	0.00014386	No
						Neurl3	58.7689	29.2843	-1.00493	58.7699	29.2853	-1.0049008	0.00014386	No
						Nfam1	0.628951	1.66639	1.4057	0.629951	1.66739	1.40428007	0.00014386	No
						Nfat5	13.85	49.6836	1.84288	13.851	49.6846	1.84280861	0.00014386	No
						Nfatc1	51.0092	4.10717	-3.63454	51.0102	4.10817	-3.634218	0.00014386	No
						Nfatc2	9.84985	2.15575	-2.19191	9.85085	2.15675	-2.1913893	0.00014386	No
						Nfatc2ip	5.50003	2.44101	-1.17196	5.50103	2.44201	-1.1716327	0.00014386	No
						Nfatc3	52.058	5.8102	-3.16346	52.059	5.8112	-3.1632396	0.00014386	No
						NFE2L1	12.1585	46.2338	1.92699	12.1595	46.2348	1.92689524	0.00014386	No
						Nfe2l2	9.29421	48.6064	2.38674	9.29521	48.6074	2.3866166	0.00014386	No
						Nfia	1.51562	5.8154	1.93997	1.51662	5.8164	1.93926684	0.00014386	No
						Nfib	0	2.59913	inf	0.001	2.60013	11.344368	0.00014386	No
						Nfic	4.87858	13.1222	1.42747	4.87958	13.1232	1.42729067	0.00014386	No
						Nfil3	2.86806	10.0901	1.81479	2.86906	10.0911	1.8144334	0.00014386	No
						Nfrkb	52.6108	7.33124	-2.84323	52.6118	7.33224	-2.8430605	0.00014386	No
						Nfs1	16.3589	85.6731	2.38877	16.3599	85.6741	2.3886952	0.00014386	No
						Nfx1	18.3651	9.29205	-0.982899	18.3661	9.29305	-0.9828212	0.00014386	No
						Nfxl1	13.7117	4.32554	-1.66446	13.7127	4.32654	-1.664227	0.00014386	No
						Nfya	13.7793	7.2075	-0.934935	13.7803	7.2085	-0.9348363	0.00014386	No
						Nfyb	19.8828	10.5997	-0.907498	19.8838	10.6007	-0.907434	0.00014386	No
						Ngdn	75.7815	38.2596	-0.986025	75.7825	38.2606	-0.9860052	0.00014386	No
						Ngfrap1	62.6548	197.171	1.65395	62.6558	197.172	1.65393472	0.00014386	No
						Ngly1	40.3532	26.6025	-0.601122	40.3542	26.6035	-0.6011028	0.00014386	No
						NGRN	42.0901	29.7223	-0.501936	42.0911	29.7233	-0.5019209	0.00014386	No
						Nhlrc3	21.4008	6.46662	-1.72658	21.4018	6.46762	-1.7264253	0.00014386	No
						Nhp2l1	114.543	70.1684	-0.706992	114.544	70.1694	-0.706988	0.00014386	No
						Nhsl1	0.416294	2.58871	2.63656	0.417294	2.58971	2.63365447	0.00014386	No
						Nid1	0	4.4374	inf	0.001	4.4384	12.115824	0.00014386	No
						Ninj1	6.29923	167.902	4.7363	6.30023	167.903	4.7360797	0.00014386	No
						Ninl	0.0732603	54.0925	9.52818	0.0742603	54.0935	9.50864839	0.00014386	No
						Nip30	51.117	75.6534	0.565601	51.118	75.6544	0.5655926	0.00014386	No
						Nip7	27.0686	14.0807	-0.942899	27.0696	14.0817	-0.9428521	0.00014386	No
						Nipal1	25.861	2.16099	-3.58101	25.862	2.16199	-3.5804021	0.00014386	No
						Nipal2	9.07082	36.9756	2.02727	9.07182	36.9766	2.02714865	0.00014386	No
						Nipal3	10.1461	3.82018	-1.40922	10.1471	3.82118	-1.4089773	0.00014386	No
						Nipbl	34.3902	8.73746	-1.97671	34.3912	8.73846	-1.9765885	0.00014386	No
						Nit1	46.3802	179.791	1.95474	46.3812	179.792	1.95471678	0.00014386	No
						Nit2	45.5522	187.306	2.0398	45.5532	187.307	2.03978051	0.00014386	No
						Nkain1	10.6867	2.23678	-2.25633	10.6877	2.23778	-2.2558113	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nkap	25.9393	8.2516	-1.6524	25.9403	8.2526	-1.6522745	0.00014386	No
						Nkd2	0.955825	9.38434	3.29544	0.956825	9.38534	3.29408202	0.00014386	No
						Nkg7	69.1	18.9794	-1.86425	69.101	18.9804	-1.8641962	0.00014386	No
						Nktr	24.1454	6.44578	-1.90532	24.1464	6.44678	-1.9051575	0.00014386	No
						Nle1	19.4958	5.21177	-1.90332	19.4968	5.21277	-1.9031152	0.00014386	No
						Nlgn2	0.167728	1.19421	2.83186	0.168728	1.19521	2.82449281	0.00014386	No
						Nlk	21.4847	5.541	-1.95509	21.4857	5.542	-1.9548982	0.00014386	No
						Nlrc3	32.5591	1.85527	-4.13336	32.5601	1.85627	-4.1326267	0.00014386	No
						Nlrc5	92.7569	9.87667	-3.23136	92.7579	9.87767	-3.2312275	0.00014386	No
						Nlrp1a	21.1111	1.50463	-3.81052	21.1121	1.50563	-3.8096309	0.00014386	No
						Nlrx1	0.906636	7.42158	3.03313	0.907636	7.42258	3.031735	0.00014386	No
						Nmd3	34.4289	16.3743	-1.07218	34.4299	16.3753	-1.0721407	0.00014386	No
						Nme2	387.576	645.201	0.735269	387.577	645.202	0.73526795	0.00014386	No
						NME4	4.86356	57.7247	3.5691	4.86456	57.7257	3.56883254	0.00014386	No
						Nme6	3.47443	20.6224	2.56936	3.47543	20.6234	2.5690188	0.00014386	No
						Nmi	118.633	27.8204	-2.09229	118.634	27.8214	-2.0922506	0.00014386	No
						Nmnat1	6.6429	12.7376	0.93921	6.6439	12.7386	0.93910447	0.00014386	No
						Nmnat3	0.30553	9.06538	4.89098	0.30653	9.06638	4.88642645	0.00014386	No
						Nmral1	5.04262	16.6496	1.72324	5.04362	16.6506	1.72304268	0.00014386	No
						Nmt2	2.85704	8.13663	1.50991	2.85804	8.13763	1.50958258	0.00014386	No
						Nmu	0	1.90624	inf	0.001	1.90724	10.8972707	0.00014386	No
						Nnmt	0	3.47192	inf	0.001	3.47292	11.7619335	0.00014386	No
						Nnt	9.74063	49.6722	2.35035	9.74163	49.6732	2.3502326	0.00014386	No
						Noa1	10.7203	5.73918	-0.901423	10.7213	5.74018	-0.901312	0.00014386	No
						Noc2l	43.4734	18.5891	-1.22568	43.4744	18.5901	-1.2256316	0.00014386	No
						Noc3l	14.9437	7.09012	-1.07566	14.9447	7.09112	-1.0755485	0.00014386	No
						Nol10	11.8129	4.79756	-1.29999	11.8139	4.79856	-1.2998119	0.00014386	No
						Nol11	11.7064	7.85497	-0.575617	11.7074	7.85597	-0.5755594	0.00014386	No
						NOL6	18.9304	11.9617	-0.662285	18.9314	11.9627	-0.6622381	0.00014386	No
						Nol7	134.178	64.5095	-1.05656	134.179	64.5105	-1.056553	0.00014386	No
						Nolc1	33.5582	15.8552	-1.08171	33.5592	15.8562	-1.0816613	0.00014386	No
						Nom1	12.0987	7.72303	-0.647616	12.0997	7.72403	-0.6475456	0.00014386	No
						Nono	191.615	90.7747	-1.07785	191.616	90.7757	-1.07784	0.00014386	No
						Nop14	18.0967	11.4541	-0.659867	18.0977	11.4551	-0.6598163	0.00014386	No
						Nop16	55.9155	40.1812	-0.476727	55.9165	40.1822	-0.4767175	0.00014386	No
						Nop2	31.8014	11.9464	-1.41252	31.8024	11.9474	-1.412439	0.00014386	No
						Nop56	107.245	49.3557	-1.11962	107.246	49.3567	-1.119606	0.00014386	No
						Nop58	63.599	25.0715	-1.34295	63.6	25.0725	-1.3429209	0.00014386	No
						Nos1	0	1.54795	inf	0.001	1.54895	10.5970749	0.00014386	No
						Nos1ap	0.131579	7.21069	5.77613	0.132579	7.21169	5.7654132	0.00014386	No
						NOSIP	66.3823	94.9832	0.516874	66.3833	94.9842	0.5168672	0.00014386	No
						Notch2	17.3638	8.42393	-1.04352	17.3648	8.42493	-1.0434292	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Npap60	21.1818	10.9509	-0.951778	21.1828	10.9519	-0.9517121	0.00014386	No
						Npas2	0.369591	11.021	4.89819	0.370591	11.022	4.89441438	0.00014386	No
						Npat	6.04885	2.39787	-1.33491	6.04985	2.39887	-1.3345444	0.00014386	No
						Npc2	59.3763	93.6089	0.65676	59.3773	93.6099	0.65674962	0.00014386	No
						Npepl1	29.0022	38.4246	0.40587	29.0032	38.4256	0.4058557	0.00014386	No
						Npepo	4.39767	52.0825	3.56599	4.39867	52.0835	3.56568712	0.00014386	No
						Nphp1	0.265504	19.5136	6.1996	0.266504	19.5146	6.19425289	0.00014386	No
						Npl	0.133451	4.68294	5.13303	0.134451	4.68394	5.1225702	0.00014386	No
						Nploc4	21.7725	15.1288	-0.525214	21.7735	15.1298	-0.5251804	0.00014386	No
						Npm1	1057.33	233.34	-2.17993	1057.331	233.341	-2.1799154	0.00014386	No
						Npnt	0.220811	54.5745	7.94927	0.221811	54.5755	7.94277872	0.00014386	No
						Npr3	0	3.28051	inf	0.001	3.28151	11.6801441	0.00014386	No
						Nqo1	0.622345	10.8303	4.12122	0.623345	10.8313	4.11903173	0.00014386	No
						Nr1d1	6.38165	73.3283	3.52237	6.38265	73.3293	3.52216232	0.00014386	No
						Nr1h2	55.4887	75.7766	0.449558	55.4897	75.7776	0.44955144	0.00014386	No
						Nr1h4	0.526992	32.0175	5.92493	0.527992	32.0185	5.92224584	0.00014386	No
						Nr2c1	6.03979	3.16203	-0.933645	6.04079	3.16303	-0.93343	0.00014386	No
						Nr2c2	13.1258	6.55904	-1.00085	13.1268	6.56004	-1.0007387	0.00014386	No
						Nr2c2ap	32.8421	49.2607	0.584893	32.8431	49.2617	0.58487611	0.00014386	No
						Nr3c1	20.327	10.7636	-0.917237	20.328	10.7646	-0.9171736	0.00014386	No
						Nr4a1	2.64311	11.9198	2.17306	2.64411	11.9208	2.17262696	0.00014386	No
						Nrarp	0.909215	2.661	1.54928	0.910215	2.662	1.5482313	0.00014386	No
						Nras	35.2011	13.4763	-1.38519	35.2021	13.4773	-1.38513	0.00014386	No
						Nrbf2	17.418	8.82149	-0.981483	17.419	8.82249	-0.981404	0.00014386	No
						Nrbp1	46.1288	26.034	-0.825273	46.1298	26.035	-0.8252466	0.00014386	No
						Nrbp2	3.87991	16.5534	2.09303	3.88091	16.5544	2.09274784	0.00014386	No
						Nrde2	12.2294	4.30682	-1.50566	12.2304	4.30782	-1.5054417	0.00014386	No
						Nrf1	25.6696	9.0138	-1.50985	25.6706	9.0148	-1.5097496	0.00014386	No
						Nrn1	0	0.983778	inf	0.001	0.984778	9.94365472	0.00014386	No
						Nrros	53.1375	5.09619	-3.38224	53.1385	5.09719	-3.3819835	0.00014386	No
						Nsa2	143.823	58.1722	-1.30589	143.824	58.1732	-1.3058779	0.00014386	No
						Nsfl1c	51.9581	90.6525	0.802997	51.9591	90.6535	0.80298628	0.00014386	No
						Nsg2	25.3475	0.845859	-4.90529	25.3485	0.846859	-4.9036348	0.00014386	No
						Nsmaf	20.9708	12.5133	-0.744927	20.9718	12.5143	-0.7448731	0.00014386	No
						Nsmce1	57.6466	35.3754	-0.704491	57.6476	35.3764	-0.7044733	0.00014386	No
						Nsmce2	11.4323	46.4773	2.02341	11.4333	46.4783	2.02331543	0.00014386	No
						NSMF	0.965865	4.40142	2.18808	0.966865	4.40242	2.18691042	0.00014386	No
						Nsrp1	20.211	11.3824	-0.828334	20.212	11.3834	-0.8282806	0.00014386	No
						Nsun2	41.2539	16.6206	-1.31155	41.2549	16.6216	-1.3115062	0.00014386	No
						Nsun6	4.99063	1.17803	-2.08284	4.99163	1.17903	-2.0819106	0.00014386	No
						Nt5c	115.764	16.7751	-2.78679	115.765	16.7761	-2.7867199	0.00014386	No
						Nt5c2	12.4317	35.315	1.50625	12.4327	35.316	1.50618231	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nt5c3a	26.3344	10.6402	-1.30743	26.3354	10.6412	-1.3073425	0.00014386	No
						Nt5c3b	32.974	19.5987	-0.750575	32.975	19.5997	-0.7505411	0.00014386	No
						Nt5dc1	30.4344	13.2668	-1.19788	30.4354	13.2678	-1.1978212	0.00014386	No
						Nt5m	0.869775	7.80901	3.16643	0.870775	7.81001	3.1649525	0.00014386	No
						Ntan1	234.269	73.3784	-1.67474	234.27	73.3794	-1.6747252	0.00014386	No
						Ntmt1	11.6747	23.3969	1.00293	11.6757	23.3979	1.00287	0.00014386	No
						Ntpcr	8.55305	38.3043	2.163	8.55405	38.3053	2.16286448	0.00014386	No
						Nuak2	0.433162	85.6154	7.62682	0.434162	85.6164	7.6235099	0.00014386	No
						Nub1	57.6286	29.6508	-0.958714	57.6296	29.6518	-0.9586903	0.00014386	No
						Nubp1	109.041	60.7852	-0.843081	109.042	60.7862	-0.8430682	0.00014386	No
						Nubpl	3.25129	9.30461	1.51694	3.25229	9.30561	1.51664482	0.00014386	No
						Nucb1	74.964	97.4578	0.378579	74.965	97.4588	0.37857528	0.00014386	No
						Nucb2	6.81076	33.0904	2.28053	6.81176	33.0914	2.28035682	0.00014386	No
						Nucks1	34.3891	21.4383	-0.68176	34.3901	21.4393	-0.6817355	0.00014386	No
						Nudt1	25.1	8.8486	-1.50417	25.101	8.8496	-1.5040607	0.00014386	No
						Nudt12	2.55384	6.0531	1.24501	2.55484	6.0541	1.24467956	0.00014386	No
						Nudt16	4.85141	12.8175	1.40164	4.85241	12.8185	1.40145409	0.00014386	No
						Nudt16l1	29.87	41.8118	0.485213	29.871	41.8128	0.48519912	0.00014386	No
						Nudt19	10.178	33.2788	1.70915	10.179	33.2798	1.70905093	0.00014386	No
						Nudt2	21.4824	92.0464	2.0992	21.4834	92.0474	2.09915464	0.00014386	No
						NUDT21	73.1173	21.3882	-1.7734	73.1183	21.3892	-1.77335	0.00014386	No
						Nudt4	33.248	134.989	2.02151	33.249	134.99	2.02146968	0.00014386	No
						Nudt6	11.1197	6.47991	-0.779075	11.1207	6.48091	-0.7789793	0.00014386	No
						Nudt7	10.398	38.9745	1.90623	10.399	38.9755	1.90612273	0.00014386	No
						Nufip1	35.2681	22.6837	-0.636711	35.2691	22.6847	-0.6366852	0.00014386	No
						Numa1	73.6974	23.6172	-1.64178	73.6984	23.6182	-1.6417343	0.00014386	No
						Numb	11.5429	27.7625	1.26614	11.5439	27.7635	1.26605874	0.00014386	No
						Nup107	8.16938	3.72072	-1.13464	8.17038	3.72172	-1.1344337	0.00014386	No
						Nup133	10.0998	5.99381	-0.752784	10.1008	5.99481	-0.7526836	0.00014386	No
						Nup153	35.1101	6.70559	-2.38845	35.1111	6.70659	-2.3882759	0.00014386	No
						Nup155	3.19774	2.0118	-0.668567	3.19874	2.0128	-0.6682999	0.00014386	No
						Nup160	8.78208	2.8463	-1.62548	8.78308	2.8473	-1.6251324	0.00014386	No
						Nup188	11.8468	5.30785	-1.1583	11.8478	5.30885	-1.1581479	0.00014386	No
						Nup205	26.0427	9.7625	-1.41556	26.0437	9.7635	-1.4154641	0.00014386	No
						Nup210	29.9762	3.3328	-3.16901	29.9772	3.3338	-3.1686262	0.00014386	No
						Nup54	58.4324	32.0803	-0.865078	58.4334	32.0813	-0.8650606	0.00014386	No
						Nup62	23.2361	11.081	-1.06829	23.2371	11.082	-1.0682118	0.00014386	No
						Nup85	16.1351	10.6556	-0.598594	16.1361	10.6566	-0.5985447	0.00014386	No
						Nup88	30.0873	13.6083	-1.14467	30.0883	13.6093	-1.1446097	0.00014386	No
						Nup93	17.1291	8.23766	-1.05615	17.1301	8.23866	-1.056052	0.00014386	No
						Nup98	17.2798	9.13352	-0.919845	17.2808	9.13452	-0.9197692	0.00014386	No
						Nupl1	13.211	8.06617	-0.711785	13.212	8.06717	-0.7117143	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Nupl2	9.71125	5.86164	-0.728352	9.71225	5.86264	-0.7282551	0.00014386	No
						NUPR1	0	125.291	inf	0.001	125.292	16.9349348	0.00014386	No
						Nus1	16.2403	11.818	-0.458588	16.2413	11.819	-0.4585591	0.00014386	No
						Nxf1	208.312	111.793	-0.897912	208.313	111.794	-0.8979101	0.00014386	No
						Nxn	4.54589	16.4252	1.85328	4.54689	16.4262	1.85304676	0.00014386	No
						Nxt1	31.0853	21.1498	-0.555584	31.0863	21.1508	-0.5555667	0.00014386	No
						Nxt2	5.7561	2.86227	-1.00793	5.7571	2.86327	-1.0076786	0.00014386	No
						Nynrin	2.18771	4.90073	1.16357	2.18871	4.90173	1.16321021	0.00014386	No
						Oaf	9.6324	70.4702	2.87105	9.6334	70.4712	2.8709168	0.00014386	No
						Oas1a	14.2413	6.24539	-1.18922	14.2423	6.24639	-1.1890876	0.00014386	No
						Oas1b	9.2837	2.02382	-2.19762	9.2847	2.02482	-2.1970616	0.00014386	No
						Oas1i	3.26331	1.20866	-1.43293	3.26431	1.20966	-1.4321765	0.00014386	No
						Oasl2	16.8213	4.59924	-1.87082	16.8223	4.60024	-1.8705939	0.00014386	No
						Oat	14.6212	121.653	3.05664	14.6222	121.654	3.05655146	0.00014386	No
						Oaz2	34.6639	73.1341	1.07711	34.6649	73.1351	1.07708837	0.00014386	No
						Obp1f	0	1.10184	inf	0.001	1.10284	10.1070078	0.00014386	No
						Obsl1	1.61466	11.7672	2.86547	1.61566	11.7682	2.86469814	0.00014386	No
						Ociad1	108.968	75.9948	-0.519928	108.969	75.9958	-0.5199262	0.00014386	No
						Ocln	5.69568	14.9267	1.38996	5.69668	14.9277	1.38979862	0.00014386	No
						Odc1	38.4769	76.6049	0.993443	38.4779	76.6059	0.99342545	0.00014386	No
						Ofd1	16.9268	6.86465	-1.30205	16.9278	6.86565	-1.3019263	0.00014386	No
						Ogdh	39.7548	107.389	1.43365	39.7558	107.39	1.4336224	0.00014386	No
						Ogdhl	0.300754	8.60967	4.8393	0.301754	8.61067	4.8346807	0.00014386	No
						Ogfod3	7.22086	29.3009	2.0207	7.22186	29.3019	2.02055186	0.00014386	No
						Ogfr	56.084	30.0528	-0.900091	56.085	30.0538	-0.9000676	0.00014386	No
						Ogfrl1	0.795362	13.7124	4.10773	0.796362	13.7134	4.10601811	0.00014386	No
						Ogn	0.00997204	5.98007	9.22806	0.01097204	5.98107	9.09042801	0.00014386	No
						Ogt	167.277	23.4929	-2.83195	167.278	23.4939	-2.8318896	0.00014386	No
						Ola1	55.4624	33.6318	-0.721686	55.4634	33.6328	-0.7216672	0.00014386	No
						Olah	2.21009	0	-inf	2.21109	0.001	-11.110542	0.00014386	No
						Olr155	0	1.11396	inf	0.001	1.11496	10.1227762	0.00014386	No
						Oma1	5.65415	12.9409	1.19456	5.65515	12.9419	1.19441224	0.00014386	No
						Oosp1	0.340939	17.3677	5.67074	0.341939	17.3687	5.66660699	0.00014386	No
						Opa1	14.8236	19.7514	0.41406	14.8246	19.7524	0.41403478	0.00014386	No
						OPA3	7.06328	15.7122	1.15347	7.06428	15.7132	1.15336258	0.00014386	No
						Oplah	1.17098	90.1875	6.26714	1.17198	90.1885	6.26592363	0.00014386	No
						Opn3	0.701951	3.21716	2.19634	0.702951	3.21816	2.19474002	0.00014386	No
						Optc	7.58273	1.93384	-1.97125	7.58373	1.93484	-1.9706933	0.00014386	No
						Orai1	51.0404	23.2276	-1.1358	51.0414	23.2286	-1.1357657	0.00014386	No
						Orai2	44.0527	2.34327	-4.23264	44.0537	2.34427	-4.2320525	0.00014386	No
						Orai3	5.54327	15.7999	1.5111	5.54427	15.8009	1.51093731	0.00014386	No
						Orc3	11.2991	4.77845	-1.24159	11.3001	4.77945	-1.241419	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Orc4	13.9767	7.12276	-0.972511	13.9777	7.12376	-0.9724162	0.00014386	No
						Ormdl1	8.74425	2.10344	-2.05558	8.74525	2.10444	-2.0550632	0.00014386	No
						Ormdl3	29.5426	45.9152	0.636178	29.5436	45.9162	0.63615762	0.00014386	No
						Os9	64.7286	35.7238	-0.857518	64.7296	35.7248	-0.8574997	0.00014386	No
						Osbpl11	12.4837	4.59244	-1.44271	12.4847	4.59344	-1.4425143	0.00014386	No
						Osbpl3	3.37353	30.3941	3.17146	3.37453	30.3951	3.17108028	0.00014386	No
						Osbpl7	14.638	5.82693	-1.32891	14.639	5.82793	-1.3287616	0.00014386	No
						Oscar	0.182206	1.06821	2.55155	0.183206	1.06921	2.54500658	0.00014386	No
						Osgin1	0.388595	32.8441	6.40122	0.389595	32.8451	6.39755919	0.00014386	No
						Osgin2	7.1894	3.73136	-0.946171	7.1904	3.73236	-0.9459839	0.00014386	No
						Osmr	0	12.1782	inf	0.001	12.1792	13.5721318	0.00014386	No
						Osr2	0	18.6809	inf	0.001	18.6819	14.1893536	0.00014386	No
						OST4	284.562	411.611	0.532538	284.563	411.612	0.53253695	0.00014386	No
						Otud1	17.0596	10.9845	-0.63511	17.0606	10.9855	-0.6350679	0.00014386	No
						Otud3	7.65607	3.46655	-1.1431	7.65707	3.46755	-1.1428758	0.00014386	No
						Otud4	23.0926	6.85173	-1.75289	23.0936	6.85273	-1.7527423	0.00014386	No
						Otud5	179.716	67.8545	-1.4052	179.717	67.8555	-1.4051892	0.00014386	No
						Ovol2	0	5.75709	inf	0.001	5.75809	12.4913746	0.00014386	No
						Oxa1l	70.102	93.6121	0.41724	70.103	93.6131	0.41723425	0.00014386	No
						Oxct1	28.2358	215.694	2.93339	28.2368	215.695	2.93334423	0.00014386	No
						Oxnad1	10.2185	20.7131	1.01936	10.2195	20.7141	1.01928853	0.00014386	No
						Oxsm	3.25191	5.86169	0.85003	3.25291	5.86269	0.84983187	0.00014386	No
						Oxsr1	25.2681	16.4639	-0.618007	25.2691	16.4649	-0.6179805	0.00014386	No
						P2RX3	0.0957679	0.748334	2.96607	0.0967679	0.749334	2.95300845	0.00014386	No
						P2ry10	53.6473	1.18607	-5.49924	53.6483	1.18707	-5.4980555	0.00014386	No
						P2ry4	14.6692	37.7995	1.36558	14.6702	37.8005	1.36551678	0.00014386	No
						P33MONOX	14.2487	148.598	3.38251	14.2497	148.599	3.38242096	0.00014386	No
						P4ha1	9.05738	31.5056	1.79844	9.05838	31.5066	1.79832911	0.00014386	No
						P4hb	74.4773	130.841	0.812946	74.4783	130.842	0.81293367	0.00014386	No
						Pa2g4	88.4225	53.9803	-0.711981	88.4235	53.9813	-0.7119701	0.00014386	No
						Pabpc1	1390.2	144.341	-3.26774	1390.201	144.342	-3.2677304	0.00014386	No
						Pacs1	49.4765	11.4907	-2.10628	49.4775	11.4917	-2.1061804	0.00014386	No
						Pacsin1	19.1577	2.11635	-3.17827	19.1587	2.11735	-3.177668	0.00014386	No
						Pacsin2	20.308	86.9846	2.09871	20.309	86.9856	2.09865739	0.00014386	No
						Paf1	47.5185	76.1566	0.680482	47.5195	76.1576	0.68046836	0.00014386	No
						Pafah1b1	59.9296	35.4374	-0.757996	59.9306	35.4384	-0.7579793	0.00014386	No
						Pafah1b2	18.3635	28.2301	0.620395	18.3645	28.2311	0.62036573	0.00014386	No
						Pafah1b3	42.5618	20.6615	-1.04261	42.5628	20.6625	-1.0425782	0.00014386	No
						Pag1	12.762	4.82571	-1.40304	12.763	4.82671	-1.4028554	0.00014386	No
						Paip2	187.661	124.65	-0.590243	187.662	124.651	-0.5902421	0.00014386	No
						Paip2b	5.13868	9.25211	0.848385	5.13968	9.25311	0.8482598	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pak1	0.257316	9.20893	5.16142	0.258316	9.20993	5.15598128	0.00014386	No
						Pak1ip1	22.3467	3.98552	-2.48722	22.3477	3.98652	-2.4869245	0.00014386	No
						Pak2	3.6378	1.12335	-1.69526	3.6388	1.12435	-1.6943716	0.00014386	No
						Pak4	2.04105	17.2798	3.0817	2.04205	17.2808	3.08107991	0.00014386	No
						Pak6	4.79828	7.17534	0.58053	4.79928	7.17634	0.58043026	0.00014386	No
						Palld	0.790171	5.58561	2.82148	0.791171	5.58661	2.81991166	0.00014386	No
						Palm3	0.463626	7.41201	3.99883	0.464626	7.41301	3.99591766	0.00014386	No
						Pam	0.0326268	22.5135	9.43052	0.0336268	22.5145	9.38702723	0.00014386	No
						Pan2	28.1447	16.1122	-0.804712	28.1457	16.1132	-0.8046715	0.00014386	No
						Pan3	87.436	14.0342	-2.63928	87.437	14.0352	-2.6391943	0.00014386	No
						Pank1	1.33751	34.5047	4.68917	1.33851	34.5057	4.68813488	0.00014386	No
						Pank2	31.0624	16.5953	-0.904391	31.0634	16.5963	-0.9043541	0.00014386	No
						Pank3	4.48573	2.30629	-0.959769	4.48673	2.30729	-0.959465	0.00014386	No
						Paox	20.0204	14.3009	-0.485365	20.0214	14.3019	-0.485336	0.00014386	No
						Papd4	20.6628	7.99949	-1.36905	20.6638	8.00049	-1.3689453	0.00014386	No
						Papd5	29.6043	7.54568	-1.97209	29.6053	7.54668	-1.9719415	0.00014386	No
						Papola	56.6564	28.2246	-1.00528	56.6574	28.2256	-1.0052601	0.00014386	No
						Papolg	14.9067	2.01018	-2.89056	14.9077	2.01118	-2.8899436	0.00014386	No
						Papss1	14.0761	73.0857	2.37634	14.0771	73.0867	2.37625874	0.00014386	No
						Papss2	0.259661	55.3468	7.73573	0.260661	55.3478	7.73020742	0.00014386	No
						Paqr5	19.431	26.8916	0.468794	19.432	26.8926	0.46877485	0.00014386	No
						Paqr9	0	2.76276	inf	0.001	2.76376	11.4324166	0.00014386	No
						Pard6b	6.35461	38.4701	2.59786	6.35561	38.4711	2.59767258	0.00014386	No
						Parm1	0.113243	96.4297	9.73391	0.114243	96.4307	9.72124294	0.00014386	No
						Parp1	51.8356	28.2696	-0.874691	51.8366	28.2706	-0.8746686	0.00014386	No
						Parp10	26.2488	9.37557	-1.48527	26.2498	9.37657	-1.4851743	0.00014386	No
						Parp11	16.6247	4.71496	-1.81801	16.6257	4.71596	-1.8177917	0.00014386	No
						Parp14	36.8195	7.24212	-2.34599	36.8205	7.24312	-2.345826	0.00014386	No
						Parp6	30.0325	20.5145	-0.549879	30.0335	20.5155	-0.5498583	0.00014386	No
						Parp8	47.5727	15.8643	-1.58435	47.5737	15.8653	-1.5842894	0.00014386	No
						Parp9	42.2729	10.4563	-2.01536	42.2739	10.4573	-2.0152568	0.00014386	No
						Parvb	0.300262	5.6398	4.23135	0.301262	5.6408	4.22680917	0.00014386	No
						Parvg	36.7264	2.40342	-3.93365	36.7274	2.40442	-3.9330959	0.00014386	No
						Patl1	19.4517	8.08644	-1.26632	19.4527	8.08744	-1.2662154	0.00014386	No
						Patl2	5.55956	0	-inf	5.56056	0.001	-12.441014	0.00014386	No
						PATZ1	16.5458	41.2679	1.31856	16.5468	41.2689	1.31850274	0.00014386	No
						Pax8	0.124654	102.307	9.68076	0.125654	102.308	9.66924665	0.00014386	No
						Paxbp1	31.3525	9.87274	-1.66706	31.3535	9.87374	-1.6669579	0.00014386	No
						Paxip1	14.3681	5.0764	-1.501	14.3691	5.0774	-1.5008079	0.00014386	No
						Pbdc1	18.4613	9.5556	-0.950083	18.4623	9.5566	-0.950013	0.00014386	No
						Pbld1	0.0822689	174.953	11.0543	0.0832689	174.954	11.0369103	0.00014386	No
						Pbrm1	19.4603	7.1914	-1.43619	19.4613	7.1924	-1.4360629	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pbx1	1.27103	16.1698	3.66923	1.27203	16.1708	3.66818645	0.00014386	No
						Pbx3	1.59692	9.53339	2.5777	1.59792	9.53439	2.57694546	0.00014386	No
						Pbx4	0.565651	3.51323	2.63481	0.566651	3.51423	2.63267626	0.00014386	No
						Pbxip1	163.362	66.4209	-1.29836	163.363	66.4219	-1.2983504	0.00014386	No
						Pc	0.588956	51.5495	6.45165	0.589956	51.5505	6.44923525	0.00014386	No
						Pcbd1	0.502325	291.67	9.1815	0.503325	291.671	9.17863598	0.00014386	No
						Pcbd2	71.6759	137.281	0.937572	71.6769	137.282	0.93756233	0.00014386	No
						PCBP2	230.433	119.151	-0.951558	230.434	119.152	-0.9515504	0.00014386	No
						Pcbp4	8.76281	26.0444	1.57151	8.76381	26.0454	1.57139848	0.00014386	No
						Pcca	10.3171	76.5781	2.8919	10.3181	76.5791	2.89177337	0.00014386	No
						Pccb	11.5208	172.285	3.90248	11.5218	172.286	3.90236745	0.00014386	No
						Pcdh1	0	3.37241	inf	0.001	3.37341	11.719992	0.00014386	No
						Pcdh17	0	1.46812	inf	0.001	1.46912	10.5207365	0.00014386	No
						Pced1a	63.3991	27.1235	-1.22492	63.4001	27.1245	-1.2248886	0.00014386	No
						Pcf11	30.4203	5.31944	-2.51568	30.4213	5.32044	-2.5154643	0.00014386	No
						Pcgf2	2.4737	17.9248	2.85721	2.4747	17.9258	2.85671196	0.00014386	No
						Pcgf6	15.476	3.75825	-2.0419	15.477	3.75925	-2.0416091	0.00014386	No
						Pck1	0.108373	969.432	13.1269	0.109373	969.433	13.1136688	0.00014386	No
						Pck2	2.47786	20.644	3.05855	2.47886	20.645	3.05804372	0.00014386	No
						Pcm1	32.8935	17.1443	-0.940075	32.8945	17.1453	-0.9400332	0.00014386	No
						Pcmtd1	112.687	29.2866	-1.94401	112.688	29.2876	-1.943972	0.00014386	No
						Pcmtd2	49.1479	14.6283	-1.74836	49.1489	14.6293	-1.7482984	0.00014386	No
						Pcnx	12.4759	18.4686	0.565926	12.4769	18.4696	0.56589309	0.00014386	No
						PCOLCE2	0	26.3622	inf	0.001	26.3632	14.6862379	0.00014386	No
						Pctp	12.4691	7.80403	-0.676065	12.4701	7.80503	-0.675997	0.00014386	No
						Pcyox1	9.56836	13.2548	0.470169	9.56936	13.2558	0.4701294	0.00014386	No
						Pcyt1a	3.78187	11.8119	1.64307	3.78287	11.8129	1.64281008	0.00014386	No
						Pcyt1b	0.237685	1.21908	2.35866	0.238685	1.22008	2.35379594	0.00014386	No
						Pcyt2	29.1977	71.5462	1.29302	29.1987	71.5472	1.29299117	0.00014386	No
						Pdcd10	85.134	38.6161	-1.14053	85.135	38.6171	-1.1405125	0.00014386	No
						Pdcd11	21.5607	9.73301	-1.14745	21.5617	9.73401	-1.1473648	0.00014386	No
						Pdcd1lg2	4.50938	0.339655	-3.73079	4.51038	0.340655	-3.7268657	0.00014386	No
						Pdcd2	33.3547	20.606	-0.694828	33.3557	20.607	-0.6947988	0.00014386	No
						Pdcd4	530.263	85.031	-2.64065	530.264	85.032	-2.640633	0.00014386	No
						Pdcd6	44.2098	63.9139	0.531763	44.2108	63.9149	0.53175345	0.00014386	No
						Pdcd6ip	28.3883	42.5289	0.583145	28.3893	42.5299	0.58313019	0.00014386	No
						Pde3b	40.3505	3.32118	-3.60282	40.3515	3.32218	-3.6024202	0.00014386	No
						Pde4b	69.0578	2.76618	-4.64184	69.0588	2.76718	-4.6413369	0.00014386	No
						Pde4c	4.46164	16.1717	1.85782	4.46264	16.1727	1.85759122	0.00014386	No
						Pde4dip	23.4681	17.1519	-0.452336	23.4691	17.1529	-0.45231	0.00014386	No
						Pde7a	9.46576	4.80046	-0.979547	9.46676	4.80146	-0.9793976	0.00014386	No
						Pde7b	0.537709	16.7721	4.96309	0.538709	16.7731	4.96049937	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pde9a	0.233834	10.9655	5.55134	0.234834	10.9665	5.54531805	0.00014386	No
						Pdgfb	1.01379	14.6587	3.85393	1.01479	14.6597	3.85260247	0.00014386	No
						Pdgfd	0	1.27646	inf	0.001	1.27746	10.3190624	0.00014386	No
						Pdha1	76.1102	184.117	1.27446	76.1112	184.118	1.27445	0.00014386	No
						Pdhb	35.1422	150.153	2.09516	35.1432	150.154	2.09512544	0.00014386	No
						Pdhx	5.48414	16.1631	1.55937	5.48514	16.1641	1.55919283	0.00014386	No
						Pdia3	177.439	126.821	-0.484526	177.44	126.822	-0.4845262	0.00014386	No
						Pdk2	10.5515	154.601	3.87303	10.5525	154.602	3.87290225	0.00014386	No
						Pdlim1	63.3134	13.5004	-2.22951	63.3144	13.5014	-2.2294246	0.00014386	No
						Pdp1	8.80857	6.11115	-0.527464	8.80957	6.11215	-0.5273917	0.00014386	No
						Pdp2	2.05085	9.7069	2.24279	2.05185	9.7079	2.24223398	0.00014386	No
						Pdpk1	20.2992	8.92103	-1.18614	20.3002	8.92203	-1.18605	0.00014386	No
						Pdpn	0	14.0532	inf	0.001	14.0542	13.7787137	0.00014386	No
						Pds5a	36.4296	11.7133	-1.63697	36.4306	11.7143	-1.63688	0.00014386	No
						Pds5b	17.1631	4.10974	-2.06219	17.1641	4.11074	-2.0619242	0.00014386	No
						PDXDC1	10.5857	2.59133	-2.03035	10.5867	2.59233	-2.0299317	0.00014386	No
						Pdxk	4.70876	20.9986	2.15688	4.70976	20.9996	2.1566364	0.00014386	No
						Pd xp	5.21237	2.33523	-1.15837	5.21337	2.33623	-1.1580339	0.00014386	No
						Pd zd4	5.5051	0.275936	-4.31836	5.5061	0.276936	-4.3134063	0.00014386	No
						Pd zd8	3.25924	6.12324	0.909761	3.26024	6.12424	0.90955265	0.00014386	No
						Pd zd9	11.6647	33.4728	1.52083	11.6657	33.4738	1.52075946	0.00014386	No
						Pd zk1	1.05484	221.139	7.71179	1.05584	221.14	7.71042497	0.00014386	No
						Pd zk1ip1	0.222917	431.473	10.9185	0.223917	431.474	10.9120938	0.00014386	No
						Pecam1	31.6405	21.5789	-0.55215	31.6415	21.5799	-0.5521298	0.00014386	No
						Pecr	15.1925	248.369	4.03106	15.1935	248.37	4.03096477	0.00014386	No
						Pef1	31.0108	49.5453	0.675975	31.0118	49.5463	0.67596006	0.00014386	No
						Peli3	4.27304	1.95761	-1.12617	4.27404	1.95861	-1.1257703	0.00014386	No
						Peo1	5.35748	12.9384	1.27203	5.35848	12.9394	1.271875	0.00014386	No
						Pepd	11.9112	228.855	4.26404	11.9122	228.856	4.26392833	0.00014386	No
						Per2	1.46944	4.01604	1.45051	1.47044	4.01704	1.44988491	0.00014386	No
						Pes1	71.7116	36.0619	-0.99173	71.7126	36.0629	-0.9917112	0.00014386	No
						Pet100	19.4431	37.9013	0.96299	19.4441	37.9023	0.96295294	0.00014386	No
						Pet112l	10.3932	16.5169	0.668305	10.3942	16.5179	0.66825156	0.00014386	No
						Pex1	6.88328	15.1915	1.14209	6.88428	15.1925	1.14198161	0.00014386	No
						Pex11a	0.144545	14.7925	6.67721	0.145545	14.7935	6.66735433	0.00014386	No
						Pex11b	31.0578	79.9245	1.36368	31.0588	79.9255	1.36365377	0.00014386	No
						Pex11g	0.584968	5.02474	3.10262	0.585968	5.02574	3.10044225	0.00014386	No
						Pex12	1.20833	4.05096	1.74524	1.20933	4.05196	1.74441195	0.00014386	No
						Pex13	12.0668	22.5378	0.901299	12.0678	22.5388	0.90124801	0.00014386	No
						Pex14	7.96594	12.3733	0.635312	7.96694	12.3743	0.6352493	0.00014386	No
						Pex3	11.2973	7.85758	-0.523827	11.2983	7.85858	-0.5237652	0.00014386	No
						Pex7	1.25029	11.3737	3.18537	1.25129	11.3747	3.1843404	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pf4	49.061	20.7854	-1.23901	49.062	20.7864	-1.2389661	0.00014386	No
						Pfdn5	223.949	305.602	0.448487	223.95	305.603	0.44848204	0.00014386	No
						Pfkfb2	9.7201	4.39733	-1.14434	9.7211	4.39833	-1.1441637	0.00014386	No
						Pfkm	12.2469	39.5451	1.69108	12.2479	39.5461	1.69100102	0.00014386	No
						Pfn1	2996.9	626.904	-2.25715	2996.901	626.905	-2.2571527	0.00014386	No
						Pfn2	1.21823	22.8802	4.23124	1.21923	22.8812	4.2301205	0.00014386	No
						Pfn3	0	21.5861	inf	0.001	21.5871	14.3978818	0.00014386	No
						Pgam1	92.1555	266.454	1.53174	92.1565	266.455	1.53173407	0.00014386	No
						Pgam5	27.5027	16.3961	-0.746216	27.5037	16.3971	-0.746185	0.00014386	No
						Pgk1	178.411	346.825	0.959009	178.412	346.826	0.9589994	0.00014386	No
						Pglyrp2	5.65732	0	-inf	5.65832	0.001	-12.466158	0.00014386	No
						Pgm1	5.2613	20.3653	1.95262	5.2623	20.3663	1.9524185	0.00014386	No
						PGM2	6.46874	12.8976	0.99555	6.46974	12.8986	0.99543484	0.00014386	No
						Pgm2l1	8.98956	0.729134	-3.62399	8.99056	0.730134	-3.6221778	0.00014386	No
						Pgm3	1.14441	7.39504	2.69196	1.14541	7.39604	2.69088892	0.00014386	No
						Pgpep1	2.69889	64.6821	4.58293	2.69989	64.6831	4.58241629	0.00014386	No
						Pgrmc1	124.044	75.5758	-0.714852	124.045	75.5768	-0.7148482	0.00014386	No
						Pgrmc2	40.0406	30.5466	-0.390451	40.0416	30.5476	-0.3904406	0.00014386	No
						Pgs1	25.7287	12.047	-1.09471	25.7297	12.048	-1.094641	0.00014386	No
						Phactr4	7.44258	13.5689	0.866431	7.44358	13.5699	0.86634153	0.00014386	No
						Phb	42.1692	122.061	1.53334	42.1702	122.062	1.53331837	0.00014386	No
						Phc1	14.0193	9.54774	-0.554182	14.0203	9.54874	-0.5541349	0.00014386	No
						Phc2	33.5224	23.9061	-0.487746	33.5234	23.9071	-0.4877293	0.00014386	No
						Phc3	16.9403	3.99767	-2.08323	16.9413	3.99867	-2.0829525	0.00014386	No
						Phf10	43.2999	24.4926	-0.822014	43.3009	24.4936	-0.8219922	0.00014386	No
						Phf11b	878.884	66.9221	-3.71512	878.885	66.9231	-3.7150982	0.00014386	No
						Phf12	36.3005	11.0759	-1.71256	36.3015	11.0769	-1.712475	0.00014386	No
						Phf15	26.0217	9.03609	-1.52594	26.0227	9.03709	-1.5258405	0.00014386	No
						Phf17	5.45268	10.6015	0.95923	5.45368	10.6025	0.95910253	0.00014386	No
						Phf2	30.3526	13.3756	-1.18222	30.3536	13.3766	-1.1821562	0.00014386	No
						Phf20	9.88934	6.31985	-0.645985	9.89034	6.32085	-0.6459015	0.00014386	No
						PHF20L1	22.9089	6.68974	-1.77589	22.9099	6.69074	-1.7757335	0.00014386	No
						Phf21a	34.699	12.6413	-1.45675	34.7	12.6423	-1.4566767	0.00014386	No
						Phf23	40.7642	20.2937	-1.00627	40.7652	20.2947	-1.0062351	0.00014386	No
						Phf3	20.1999	8.63002	-1.22691	20.2009	8.63102	-1.2268166	0.00014386	No
						Phf8	24.2904	3.6968	-2.71604	24.2914	3.6978	-2.7157065	0.00014386	No
						Phgdh	23.9688	65.539	1.4512	23.9698	65.54	1.4511578	0.00014386	No
						Phip	18.8201	3.93572	-2.25757	18.8211	3.93672	-2.2572849	0.00014386	No
						PHKG2	4.12927	1.13712	-1.8605	4.13027	1.13812	-1.8595834	0.00014386	No
						Phlda3	0.203141	9.27648	5.51303	0.204141	9.27748	5.50609512	0.00014386	No
						Phldb1	0.0392244	30.3772	9.59702	0.0402244	30.3782	9.56074977	0.00014386	No
						Phldb2	0.0392124	70.8002	10.8182	0.0402124	70.8012	10.7819177	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Phospho2	11.8061	7.03167	-0.747589	11.8071	7.03267	-0.7475102	0.00014386	No
						Phtf2	10.8274	3.27368	-1.7257	10.8284	3.27468	-1.7253942	0.00014386	No
						Phyh	36.647	379.839	3.37362	36.648	379.84	3.37358547	0.00014386	No
						Pi4ka	35.2206	20.422	-0.786295	35.2216	20.423	-0.7862656	0.00014386	No
						Pias1	23.146	13.1798	-0.812433	23.147	13.1808	-0.8123873	0.00014386	No
						Pias3	3.6249	7.77918	1.10168	3.6259	7.78018	1.1014644	0.00014386	No
						Picalm	32.7231	142.854	2.12616	32.7241	142.855	2.12612611	0.00014386	No
						Pick1	7.97401	24.5494	1.62231	7.97501	24.5504	1.6221883	0.00014386	No
						Pidd	0.270031	1.68029	2.63752	0.271031	1.68129	2.63303881	0.00014386	No
						Piezo1	14.8605	28.2011	0.924268	14.8615	28.2021	0.92422286	0.00014386	No
						Pigh	2.56591	14.4231	2.49084	2.56691	14.4241	2.49037669	0.00014386	No
						Pigk	20.1841	32.728	0.69731	20.1851	32.729	0.69727879	0.00014386	No
						Pigm	4.36759	1.2884	-1.76126	4.36859	1.2894	-1.7604678	0.00014386	No
						Pign	3.30732	7.37407	1.1568	3.30832	7.37507	1.15655796	0.00014386	No
						Pigo	6.07683	3.56489	-0.769463	6.07783	3.56589	-0.7692941	0.00014386	No
						Pigq	24.2114	34.7677	0.522063	24.2124	34.7687	0.52204304	0.00014386	No
						Pigr	0.230855	54.5815	7.88528	0.231855	54.5825	7.87907183	0.00014386	No
						Pigx	31.0216	13.0313	-1.25129	31.0226	13.0323	-1.2512279	0.00014386	No
						Pigy	18.0471	49.2116	1.44724	18.0481	49.2126	1.44718077	0.00014386	No
						Pik3c2a	6.50379	4.05898	-0.680162	6.50479	4.05998	-0.6800299	0.00014386	No
						Pik3c3	26.1944	16.476	-0.668897	26.1954	16.477	-0.6688599	0.00014386	No
						PIK3CA	23.057	9.10719	-1.34013	23.058	9.10819	-1.3400311	0.00014386	No
						Pik3cb	1.68935	6.86946	2.02373	1.69035	6.87046	2.0230847	0.00014386	No
						Pik3cg	12.6322	0.602894	-4.38906	12.6332	0.603894	-4.386781	0.00014386	No
						Pik3ip1	190.287	6.78816	-4.80901	190.288	6.78916	-4.8088077	0.00014386	No
						Pik3r1	67.9137	21.2476	-1.67641	67.9147	21.2486	-1.6763561	0.00014386	No
						Pik3r2	10.3147	20.6715	1.00294	10.3157	20.6725	1.00287115	0.00014386	No
						Pik3r3	1.22925	3.76751	1.61583	1.23025	3.76851	1.6150427	0.00014386	No
						Pik3r5	37.9599	1.76608	-4.42585	37.9609	1.76708	-4.4250749	0.00014386	No
						Pikfyve	9.20387	4.94964	-0.894916	9.20487	4.95064	-0.8947823	0.00014386	No
						Pim1	112.258	10.9215	-3.36158	112.259	10.9225	-3.3614561	0.00014386	No
						Pim2	52.0084	12.7962	-2.02303	52.0094	12.7972	-2.0229442	0.00014386	No
						Pin1	31.5419	50.2161	0.670879	31.5429	50.2171	0.67086341	0.00014386	No
						Pin4	97.6656	155.519	0.671165	97.6666	155.52	0.67116294	0.00014386	No
						Pink1	20.628	68.4889	1.73127	20.629	68.4899	1.73121737	0.00014386	No
						Pinx1	12.5198	5.05751	-1.30771	12.5208	5.05851	-1.3075423	0.00014386	No
						Pip4k2a	85.1388	7.71366	-3.46433	85.1398	7.71466	-3.4641592	0.00014386	No
						Pip4k2b	18.8735	4.94221	-1.93314	18.8745	4.94321	-1.9329183	0.00014386	No
						Pip4k2c	14.369	30.2601	1.07446	14.37	30.2611	1.07440437	0.00014386	No
						Pip5k1a	19.0653	9.3135	-1.03356	19.0663	9.3145	-1.0334747	0.00014386	No
						PIP5K1C	29.6305	12.4242	-1.25392	29.6315	12.4252	-1.2538626	0.00014386	No
						Pitpna	216.389	67.5734	-1.6791	216.39	67.5744	-1.6790851	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pitpnc1	25.345	9.21577	-1.45952	25.346	9.21677	-1.4594249	0.00014386	No
						Pitpnm2	56.5303	6.41384	-3.13976	56.5313	6.41484	-3.1395647	0.00014386	No
						Pitpnm3	0	8.15864	inf	0.001	8.15964	12.9942898	0.00014386	No
						Pja1	11.5694	53.4672	2.20834	11.5704	53.4682	2.20824237	0.00014386	No
						Pkd2	0.116446	17.6732	7.24576	0.117446	17.6742	7.23350353	0.00014386	No
						Pkd2l2	5.58566	0.91157	-2.6153	5.58666	0.91257	-2.6139789	0.00014386	No
						Pkdcc	4.55493	12.0399	1.40232	4.55593	12.0409	1.40212574	0.00014386	No
						Pkia	0.621748	9.60276	3.94905	0.622748	9.60376	3.94687896	0.00014386	No
						Pkig	0.171065	78.2863	8.83807	0.172065	78.2873	8.82968081	0.00014386	No
						Pkm	228.686	317.049	0.471337	228.687	317.05	0.47133602	0.00014386	No
						Pkmyt1	8.97374	3.23757	-1.4708	8.97474	3.23857	-1.4705132	0.00014386	No
						Pkn3	91.5079	37.6525	-1.28115	91.5089	37.6535	-1.2811281	0.00014386	No
						Pknx1	10.1071	5.65141	-0.83869	10.1081	5.65241	-0.8385738	0.00014386	No
						PKP2	0	18.5482	inf	0.001	18.5492	14.1790693	0.00014386	No
						Pkp4	9.42205	65.9402	2.80705	9.42305	65.9412	2.80691414	0.00014386	No
						Pla2g12a	4.29595	21.4612	2.32068	4.29695	21.4622	2.32041307	0.00014386	No
						Pla2g15	3.33613	23.6611	2.82627	3.33713	23.6621	2.82589832	0.00014386	No
						Pla2g16	384.14	125.422	-1.61484	384.141	125.423	-1.614834	0.00014386	No
						Pla2g2e	0	1.01534	inf	0.001	1.01634	9.9891674	0.00014386	No
						Pla2g4a	0.121246	3.22063	4.73133	0.122246	3.22163	4.71993165	0.00014386	No
						Pla2g6	6.47316	17.5092	1.43557	6.47416	17.5102	1.43543064	0.00014386	No
						Pla2g7	0.605124	3.20557	2.40528	0.606124	3.20657	2.40334603	0.00014386	No
						Plaa	13.0177	7.48097	-0.799179	13.0187	7.48197	-0.7990953	0.00014386	No
						Plac8	2322.46	140	-4.05216	2322.461	140.001	-4.0521453	0.00014386	No
						Plagl2	9.84574	3.12916	-1.65373	9.84674	3.13016	-1.6534098	0.00014386	No
						Plat	1.46576	110.491	6.23613	1.46676	110.492	6.23516528	0.00014386	No
						Plbd2	18.428	39.9716	1.11707	18.429	39.9726	1.11703363	0.00014386	No
						Plcb1	0.0120957	4.87767	8.65556	0.0130957	4.87867	8.54125091	0.00014386	No
						Plcb3	0.739027	5.07463	2.7796	0.740027	5.07563	2.77793709	0.00014386	No
						Plcb4	0.848343	1.75446	1.04831	0.849343	1.75546	1.04742993	0.00014386	No
						Plcd1	2.80087	4.99098	0.833447	2.80187	4.99198	0.83322213	0.00014386	No
						Plcg1	197.703	33.8817	-2.54476	197.704	33.8827	-2.5447213	0.00014386	No
						Plch2	0.600834	2.68139	2.15794	0.601834	2.68239	2.15608149	0.00014386	No
						Plcl1	0.573702	5.31216	3.21093	0.574702	5.31316	3.20868418	0.00014386	No
						Plcl2	62.8159	6.23098	-3.3336	62.8169	6.23198	-3.3333902	0.00014386	No
						Pld1	0.022436	2.9423	7.03499	0.023436	2.9433	6.97256443	0.00014386	No
						PLD2	4.67594	8.10713	0.793935	4.67694	8.10813	0.7938043	0.00014386	No
						Pld3	10.1417	17.1637	0.759067	10.1427	17.1647	0.75900289	0.00014386	No
						Pld4	1.18423	5.15408	2.12177	1.18523	5.15508	2.12082777	0.00014386	No
						Plek	13.9557	7.55619	-0.885122	13.9567	7.55719	-0.8850361	0.00014386	No
						Plekha2	36.0381	12.1758	-1.56551	36.0391	12.1768	-1.5654279	0.00014386	No
						Plekha6	0.468285	23.8379	5.66973	0.469285	23.8389	5.66670951	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Plekha7	5.55873	18.3945	1.72645	5.55973	18.3955	1.72626616	0.00014386	No
						Plekha8	4.80476	3.47019	-0.46945	4.80576	3.47119	-0.4693343	0.00014386	No
						Plekha1	0.270872	10.2759	5.24551	0.271872	10.2769	5.24033376	0.00014386	No
						Plekha2	3.52089	85.5634	4.60298	3.52189	85.5644	4.60258892	0.00014386	No
						Plekha3	19.0155	46.2262	1.28154	19.0165	46.2272	1.28149024	0.00014386	No
						Plekha4	1.15108	42.6102	5.21014	1.15208	42.6112	5.20891988	0.00014386	No
						Plekha5	46.8338	7.31203	-2.67921	46.8348	7.31303	-2.6790397	0.00014386	No
						Plekha6	0.872882	2.66293	1.60915	0.873882	2.66393	1.60804578	0.00014386	No
						Plekha7	0	7.02936	inf	0.001	7.03036	12.7793829	0.00014386	No
						Plekha8	17.1089	8.7832	-0.961929	17.1099	8.7842	-0.9618485	0.00014386	No
						Plekha9	21.013	11.7203	-0.842273	21.014	11.7213	-0.8422182	0.00014386	No
						Plekha10	3.40241	9.01284	1.40542	3.40341	9.01384	1.40516088	0.00014386	No
						Plekha11	8.75344	2.20569	-1.98862	8.75444	2.20669	-1.9881309	0.00014386	No
						Plekha12	3.21687	12.7187	1.98322	3.21787	12.7197	1.9828867	0.00014386	No
						Plekha13	2.16956	38.9464	4.16601	2.17056	38.9474	4.16538781	0.00014386	No
						Plekha14	0.787351	7.90398	3.3275	0.788351	7.90498	3.3258518	0.00014386	No
						Plekha15	0.690214	6.73064	3.28563	0.691214	6.73164	3.28375368	0.00014386	No
						Plekha16	0.358816	3.20722	3.16	0.359816	3.20822	3.15644183	0.00014386	No
						Plekha17	0.118079	30.7287	8.02369	0.119079	30.7297	8.01157086	0.00014386	No
						Plekha18	2.53017	1.1401	-1.15007	2.53117	1.1411	-1.1493792	0.00014386	No
						Plekha19	0.570562	22.225	5.28366	0.571562	22.226	5.28119452	0.00014386	No
						Plekha20	0.39422	23.1686	5.87702	0.39522	23.1696	5.87343337	0.00014386	No
						Plekha21	69.072	119.994	0.796786	69.073	119.995	0.7967805	0.00014386	No
						Plekha22	3.85309	53.8625	3.80519	3.85409	53.8635	3.80484581	0.00014386	No
						Plekha23	0.0369669	0.82609	4.48199	0.0379669	0.82709	4.44523021	0.00014386	No
						Plekha24	0.193223	3.40558	4.13956	0.194223	3.40658	4.13253813	0.00014386	No
						Plekha25	1.83026	0.168699	-3.43952	1.83126	0.169699	-3.4317867	0.00014386	No
						Plekha26	0.0990374	15.2649	7.26802	0.1000374	15.2659	7.25362937	0.00014386	No
						Plekha27	6.47273	92.7273	3.84055	6.47373	92.7283	3.8403406	0.00014386	No
						Plekha28	15.4272	94.6191	2.61665	15.4282	94.6201	2.61657693	0.00014386	No
						Plekha29	24.666	36.4063	0.561664	24.667	36.4073	0.56164549	0.00014386	No
						Plekha30	60.5601	100.833	0.735525	60.5611	100.834	0.73551887	0.00014386	No
						Plekha31	4.82695	2.63332	-0.87423	4.82795	2.63432	-0.8739801	0.00014386	No
						Plekha32	200.314	30.245	-2.7275	200.315	30.246	-2.7274542	0.00014386	No
						Plekha33	46.4899	195.569	2.07269	46.4909	195.57	2.07266482	0.00014386	No
						Plekha34	1.69251	3.86831	1.19254	1.69351	3.86931	1.19205981	0.00014386	No
						Plekha35	163.814	28.4167	-2.52725	163.815	28.4177	-2.5272058	0.00014386	No
						Plekha36	17.4939	12.2943	-0.508862	17.4949	12.2953	-0.5088275	0.00014386	No
						Plekha37	63.1323	90.1752	0.514352	63.1333	90.1762	0.51434555	0.00014386	No
						Plekha38	17.4161	28.4543	0.708229	17.4171	28.4553	0.70819296	0.00014386	No
						Plekha39	7.4849	15.8219	1.07987	7.4859	15.8229	1.07976636	0.00014386	No
						Plekha40	81.728	42.0979	-0.957083	81.729	42.0989	-0.9570655	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Pnpo	17.322	23.9369	0.466633	17.323	23.9379	0.4666078	0.00014386	No
						Pnpt1	13.5837	8.18722	-0.730429	13.5847	8.18822	-0.7303609	0.00014386	No
						Pnrc1	183.075	70.536	-1.37601	183.076	70.537	-1.3759906	0.00014386	No
						Pnrc2	83.5515	44.891	-0.896241	83.5525	44.892	-0.8962246	0.00014386	No
						Podnl1	1.87177	0.24215	-2.95043	1.87277	0.24315	-2.9452552	0.00014386	No
						Pofut1	10.1731	3.27611	-1.6347	10.1741	3.27711	-1.6344052	0.00014386	No
						Pofut2	10.6874	33.6464	1.65454	10.6884	33.6474	1.65444912	0.00014386	No
						Poglut1	33.8534	56.6516	0.742818	33.8544	56.6526	0.74279882	0.00014386	No
						Pogz	18.9297	6.08958	-1.63624	18.9307	6.09058	-1.6360762	0.00014386	No
						Pola1	3.50201	2.25265	-0.636562	3.50301	2.25365	-0.6363316	0.00014386	No
						Pola2	8.14381	27.0843	1.73368	8.14481	27.0853	1.73355712	0.00014386	No
						Pold1	11.6618	6.30149	-0.888019	11.6628	6.30249	-0.8879204	0.00014386	No
						Pold2	19.1103	9.10594	-1.06947	19.1113	9.10694	-1.0693876	0.00014386	No
						Poldip2	21.9681	71.7549	1.70767	21.9691	71.7559	1.70762169	0.00014386	No
						Poldip3	24.8775	15.3789	-0.693889	24.8785	15.3799	-0.6938534	0.00014386	No
						Pole3	14.6144	24.5838	0.750316	14.6154	24.5848	0.7502773	0.00014386	No
						Polh	5.7192	2.5221	-1.18119	5.7202	2.5231	-1.1808682	0.00014386	No
						Poli	3.24657	1.49486	-1.11891	3.24757	1.49586	-1.1183855	0.00014386	No
						Polk	2.77638	1.71857	-0.691996	2.77738	1.71957	-0.6916767	0.00014386	No
						Poll	7.90652	14.4981	0.874747	7.90752	14.4991	0.87466615	0.00014386	No
						Polm	18.5563	4.46057	-2.05661	18.5573	4.46157	-2.0563634	0.00014386	No
						Polr1b	18.4119	2.91824	-2.65747	18.4129	2.91924	-2.6570521	0.00014386	No
						Polr1e	23.4832	4.16641	-2.49475	23.4842	4.16741	-2.4944675	0.00014386	No
						Polr2a	68.6652	27.4173	-1.32449	68.6662	27.4183	-1.324461	0.00014386	No
						Polr2c	33.7042	48.5384	0.526199	33.7052	48.5394	0.52618509	0.00014386	No
						Polr2d	57.5667	38.0302	-0.598091	57.5677	38.0312	-0.5980761	0.00014386	No
						Polr2f	20.8312	41.8908	1.00789	20.8322	41.8918	1.00785267	0.00014386	No
						Polr2j	44.2876	81.9921	0.888582	44.2886	81.9931	0.88856711	0.00014386	No
						Polr2m	5.57257	8.39592	0.591345	5.57357	8.39692	0.59125854	0.00014386	No
						Polr3e	23.4597	8.93133	-1.39324	23.4607	8.93233	-1.3931376	0.00014386	No
						Polr3f	7.83176	3.21255	-1.28562	7.83276	3.21355	-1.2853528	0.00014386	No
						Polr3gl	31.8227	20.1051	-0.662493	31.8237	20.1061	-0.6624683	0.00014386	No
						Polr3k	41.1234	78.9266	0.940551	41.1244	78.9276	0.94053525	0.00014386	No
						Polrmt	11.6494	6.02335	-0.951617	11.6504	6.02435	-0.951502	0.00014386	No
						Pom121	14.618	4.08798	-1.83829	14.619	4.08898	-1.8380317	0.00014386	No
						Pomgnt1	10.7975	24.9417	1.20786	10.7985	24.9427	1.20778672	0.00014386	No
						Pomk	23.9295	15.3876	-0.637026	23.9305	15.3886	-0.6369886	0.00014386	No
						Pomt2	31.6908	13.4769	-1.23358	31.6918	13.4779	-1.2335139	0.00014386	No
						Pon2	94.3882	25.2463	-1.90254	94.3892	25.2473	-1.9024927	0.00014386	No
						Pon3	0.0454144	10.7362	7.88512	0.0464144	10.7372	7.85382964	0.00014386	No
						Pop1	2.89189	6.16853	1.09291	2.89289	6.16953	1.09264912	0.00014386	No
						Por	20.0386	41.9176	1.06477	20.0396	41.9186	1.06473682	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Porcn	0.146406	6.45728	5.46288	0.147406	6.45828	5.45328284	0.00014386	No
						Pot1	15.8926	4.67039	-1.76674	15.8936	4.67139	-1.7665221	0.00014386	No
						Pot1b	14.4012	5.31176	-1.43893	14.4022	5.31276	-1.4387558	0.00014386	No
						Pou2af1	11.1787	2.72772	-2.03499	11.1797	2.72872	-2.0345852	0.00014386	No
						Pou2f1	5.60003	2.27404	-1.30018	5.60103	2.27504	-1.2998002	0.00014386	No
						Pou3f3	0.0161696	49.1598	11.57	0.0171696	49.1608	11.4834362	0.00014386	No
						Ppa2	24.9903	76.9092	1.62179	24.9913	76.9102	1.62174899	0.00014386	No
						Ppan	50.1076	28.5398	-0.812054	50.1086	28.5408	-0.8120325	0.00014386	No
						Ppap2a	2.01581	84.7169	5.39322	2.01681	84.7179	5.39251975	0.00014386	No
						Ppap2b	0.176451	51.5295	8.18999	0.177451	51.5305	8.18186208	0.00014386	No
						Ppap2c	3.51405	37.0663	3.3989	3.51505	37.0673	3.39852992	0.00014386	No
						Ppapdc2	13.7545	7.73205	-0.830976	13.7555	7.73305	-0.8308991	0.00014386	No
						Ppard	4.60281	13.8171	1.58586	4.60381	13.8181	1.58565906	0.00014386	No
						Pparg	0.116816	3.81412	5.02904	0.117816	3.81512	5.01712105	0.00014386	No
						Ppat	16.7421	7.75313	-1.11063	16.7431	7.75413	-1.1105298	0.00014386	No
						Ppcdc	4.47101	9.44077	1.0783	4.47201	9.44177	1.07813393	0.00014386	No
						Ppcs	16.702	25.5226	0.611752	16.703	25.5236	0.61172458	0.00014386	No
						Ppdf	76.16	158.759	1.05973	76.161	158.76	1.05972314	0.00014386	No
						Ppfia1	15.7288	10.8333	-0.537944	15.7298	10.8343	-0.5378944	0.00014386	No
						Ppfibp1	9.50249	45.9092	2.27241	9.50349	45.9102	2.2722854	0.00014386	No
						Ppfibp2	0.112008	11.1541	6.63783	0.113008	11.1551	6.62513473	0.00014386	No
						Pphln1	15.369	5.93878	-1.37179	15.37	5.93978	-1.3716358	0.00014386	No
						Ppib	277.216	201.39	-0.46102	277.217	201.391	-0.4610165	0.00014386	No
						Ppid	47.8591	26.828	-0.835055	47.8601	26.829	-0.8350301	0.00014386	No
						Ppie	43.0549	27.5303	-0.645159	43.0559	27.5313	-0.6451382	0.00014386	No
						Ppif	15.1239	24.3386	0.686415	15.1249	24.3396	0.68637985	0.00014386	No
						Ppig	38.0933	11.8985	-1.67876	38.0943	11.8995	-1.6786742	0.00014386	No
						Ppil1	118.695	28.9127	-2.03748	118.696	28.9137	-2.0374462	0.00014386	No
						Ppil4	21.4883	5.85705	-1.8753	21.4893	5.85805	-1.8751261	0.00014386	No
						Ppip5k1	4.12933	16.0745	1.96079	4.13033	16.0755	1.96053465	0.00014386	No
						Ppip5k2	7.18202	2.34931	-1.61215	7.18302	2.35031	-1.6117395	0.00014386	No
						Ppm1a	56.5748	34.4096	-0.717351	56.5758	34.4106	-0.717332	0.00014386	No
						Ppm1b	71.4447	31.2174	-1.19448	71.4457	31.2184	-1.1944506	0.00014386	No
						Ppm1d	20.5289	8.19686	-1.32451	20.5299	8.19786	-1.3244073	0.00014386	No
						Ppm1f	9.49878	4.01237	-1.24329	9.49978	4.01337	-1.2430799	0.00014386	No
						Ppm1g	89.0312	44.7326	-0.992985	89.0322	44.7336	-0.9929683	0.00014386	No
						Ppm1j	0.877649	7.12588	3.02135	0.878649	7.12688	3.01991177	0.00014386	No
						Ppox	8.43076	27.6134	1.71164	8.43176	27.6144	1.71151507	0.00014386	No
						Ppp1ca	331.356	197.327	-0.747796	331.357	197.328	-0.7477907	0.00014386	No
						Ppp1r10	19.6584	11.1652	-0.816135	19.6594	11.1662	-0.816081	0.00014386	No
						Ppp1r11	32.9214	46.895	0.510409	32.9224	46.896	0.51039536	0.00014386	No
						Ppp1r12a	45.2588	6.75614	-2.74393	45.2598	6.75714	-2.7437456	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ppp1r12b	9.83952	3.33555	-1.56066	9.84052	3.33655	-1.5603774	0.00014386	No
						Ppp1r12c	75.654	47.7776	-0.66308	75.655	47.7786	-0.6630709	0.00014386	No
						Ppp1r13b	2.40608	7.29399	1.60003	2.40708	7.29499	1.59962191	0.00014386	No
						Ppp1r13l	0.307715	4.22407	3.77897	0.308715	4.22507	3.77462776	0.00014386	No
						Ppp1r15b	20.7159	10.4602	-0.985831	20.7169	10.4612	-0.9857598	0.00014386	No
						Ppp1r16a	1.61765	35.5326	4.45717	1.61865	35.5336	4.45632089	0.00014386	No
						Ppp1r16b	35.8336	7.72033	-2.21458	35.8346	7.72133	-2.214432	0.00014386	No
						Ppp1r18	69.9376	8.02453	-3.12358	69.9386	8.02553	-3.1234203	0.00014386	No
						Ppp1r1a	0.230396	725	11.6197	0.231396	725.001	11.6134033	0.00014386	No
						Ppp1r26	0.35947	2.39555	2.73641	0.36047	2.39655	2.73300794	0.00014386	No
						Ppp1r36	0.649435	33.1889	5.67537	0.650435	33.1899	5.67319558	0.00014386	No
						Ppp1r37	18.8269	31.8864	0.760146	18.8279	31.8874	0.76011437	0.00014386	No
						Ppp1r3c	0	1.44437	inf	0.001	1.44537	10.4972231	0.00014386	No
						Ppp1r7	26.5815	17.6934	-0.587209	26.5825	17.6944	-0.5871839	0.00014386	No
						Ppp1r8	25.5389	16.6611	-0.616217	25.5399	16.6621	-0.6161826	0.00014386	No
						Ppp1r9a	0	3.71347	inf	0.001	3.71447	11.8589407	0.00014386	No
						Ppp2cb	38.4911	104.284	1.43792	38.4921	104.285	1.43789737	0.00014386	No
						Ppp2r1a	68.7935	107.369	0.642231	68.7945	107.37	0.64222582	0.00014386	No
						Ppp2r1b	9.03066	23.9849	1.40923	9.03166	23.9859	1.40912349	0.00014386	No
						Ppp2r2a	62.6798	25.1094	-1.31977	62.6808	25.1104	-1.3197386	0.00014386	No
						Ppp2r2b	0	12.175	inf	0.001	12.176	13.5717526	0.00014386	No
						Ppp2r3a	0.113236	4.79625	5.40451	0.114236	4.79725	5.39211835	0.00014386	No
						Ppp2r5a	116.862	79.6931	-0.552281	116.863	79.6941	-0.5522734	0.00014386	No
						Ppp2r5c	142.486	39.5232	-1.85005	142.487	39.5242	-1.8500221	0.00014386	No
						PPP3CA	18.2554	11.411	-0.677905	18.2564	11.412	-0.6778507	0.00014386	No
						Ppp3r1	60.7532	35.478	-0.776034	60.7542	35.479	-0.7760188	0.00014386	No
						Ppp4c	87.0068	37.4865	-1.21476	87.0078	37.4875	-1.2147351	0.00014386	No
						Ppp4r2	42.7936	20.9821	-1.02823	42.7946	20.9831	-1.0282009	0.00014386	No
						Ppp4r4	2.73074	0.627667	-2.12122	2.73174	0.628667	-2.1194522	0.00014386	No
						Ppp6r1	144.438	55.236	-1.38677	144.439	55.237	-1.3867535	0.00014386	No
						Ppp6r2	38.0768	14.9613	-1.34768	38.0778	14.9623	-1.3476182	0.00014386	No
						Pprc1	9.72142	2.08289	-2.22258	9.72242	2.08389	-2.2220363	0.00014386	No
						Ppt1	38.5607	26.7495	-0.527616	38.5617	26.7505	-0.5276028	0.00014386	No
						Pptc7	15.8463	9.586	-0.725141	15.8473	9.587	-0.7250857	0.00014386	No
						Pqbp1	68.6255	38.7497	-0.824561	68.6265	38.7507	-0.8245434	0.00014386	No
						PQLC1	4.51742	57.4762	3.66939	4.51842	57.4772	3.6690995	0.00014386	No
						Pqlc2	1.9166	4.72579	1.302	1.9176	4.72679	1.30155896	0.00014386	No
						Pragmin	1.1458	6.12003	2.41719	1.1468	6.12103	2.41616063	0.00014386	No
						Pram1	0.582359	2.85978	2.29592	0.583359	2.86078	2.29395266	0.00014386	No
						Prc1	1.0952	4.11069	1.90819	1.0962	4.11169	1.90722046	0.00014386	No
						Prcc	50.3072	28.1184	-0.839249	50.3082	28.1194	-0.8392278	0.00014386	No
						Prpc	7.49138	3.88396	-0.947705	7.49238	3.88496	-0.9475243	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Prdm10	2.69173	0.515582	-2.38426	2.69273	0.516582	-2.3820003	0.00014386	No
						Prdm15	6.96126	1.62028	-2.1031	6.96226	1.62128	-2.1024224	0.00014386	No
						Prdm2	26.957	12.1869	-1.14533	26.958	12.1879	-1.1452639	0.00014386	No
						Prdm9	0.487544	1.48799	1.60976	0.488544	1.48899	1.60777366	0.00014386	No
						Prdx1	141.841	328.612	1.21211	141.842	328.613	1.21210477	0.00014386	No
						Prdx2	150.47	360.32	1.2598	150.471	360.321	1.25979727	0.00014386	No
						Prdx3	20.7642	101.129	2.28403	20.7652	101.13	2.28397136	0.00014386	No
						Prdx5	92.6692	914.043	3.3021	92.6702	914.044	3.30208622	0.00014386	No
						Prdx6	66.4681	201.059	1.59688	66.4691	201.06	1.59687037	0.00014386	No
						Preb	15.4494	35.5137	1.20083	15.4504	35.5147	1.20077211	0.00014386	No
						Prex1	103.328	5.47723	-4.23764	103.329	5.47823	-4.2373916	0.00014386	No
						Prf1	50.7504	1.11037	-5.51431	50.7514	1.11137	-5.5130365	0.00014386	No
						Prickle1	0.109844	2.76642	4.65449	0.110844	2.76742	4.64193903	0.00014386	No
						Prickle2	0	0.838226	inf	0.001	0.839226	9.71291556	0.00014386	No
						Prickle3	35.3745	20.3715	-0.796158	35.3755	20.3725	-0.7961275	0.00014386	No
						Prim1	18.5273	8.83432	-1.06846	18.5283	8.83532	-1.0683762	0.00014386	No
						Prkaa1	23.8417	8.22159	-1.536	23.8427	8.22259	-1.5358828	0.00014386	No
						Prkab1	49.0274	79.1091	0.690256	49.0284	79.1101	0.69024421	0.00014386	No
						Prkacb	48.8586	12.2677	-1.99374	48.8596	12.2687	-1.9936597	0.00014386	No
						Prkar2b	31.358	3.06402	-3.35534	31.359	3.06502	-3.3549112	0.00014386	No
						Prkca	19.0924	4.28455	-2.15579	19.0934	4.28555	-2.1555218	0.00014386	No
						Prkcb	68.3876	2.71451	-4.65497	68.3886	2.71551	-4.6544608	0.00014386	No
						Prkcd	13.4119	23.803	0.827631	13.4129	23.804	0.82758283	0.00014386	No
						Prkch	128.392	6.82343	-4.23391	128.393	6.82443	-4.2337142	0.00014386	No
						Prkci	6.31342	23.4259	1.89161	6.31442	23.4269	1.89144393	0.00014386	No
						Prkccq	172.909	41.3747	-2.06319	172.91	41.3757	-2.0631657	0.00014386	No
						Prkcz	4.79504	36.5387	2.92981	4.79604	36.5397	2.92954919	0.00014386	No
						Prkd2	94.1774	19.6102	-2.26377	94.1784	19.6112	-2.2637184	0.00014386	No
						Prkd3	20.4341	6.26866	-1.70475	20.4351	6.26966	-1.7045902	0.00014386	No
						Prkdc	10.3687	2.09345	-2.30828	10.3697	2.09445	-2.3077308	0.00014386	No
						Prkra	9.70843	58.7524	2.59734	9.70943	58.7534	2.59721383	0.00014386	No
						Prkrir	27.8385	12.0959	-1.20257	27.8395	12.0969	-1.2024959	0.00014386	No
						Prkx	12.0064	6.8558	-0.808411	12.0074	6.8568	-0.8083164	0.00014386	No
						Prlr	0.0288956	11.6193	8.65145	0.0298956	11.6203	8.60249843	0.00014386	No
						Prmt1	62.2947	46.2385	-0.430015	62.2957	46.2395	-0.4300068	0.00014386	No
						Prmt3	18.0803	6.18255	-1.54815	18.0813	6.18355	-1.5479912	0.00014386	No
						Prmt6	4.49011	1.71378	-1.38957	4.49111	1.71478	-1.3890486	0.00014386	No
						Prmt7	16.0983	7.06891	-1.18734	16.0993	7.06991	-1.1872342	0.00014386	No
						Prnp	14.6559	24.6418	0.749625	14.6569	24.6428	0.74958619	0.00014386	No
						Prom1	0.660506	16.995	4.68539	0.661506	16.996	4.6832972	0.00014386	No
						Pros1	1.07583	2.19013	1.02557	1.07683	2.19113	1.02488457	0.00014386	No
						Prosc	23.9474	62.5528	1.3852	23.9484	62.5538	1.38516826	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Proser1	11.3287	3.26862	-1.79322	11.3297	3.26962	-1.7929148	0.00014386	No
						Prpf18	29.8335	15.7648	-0.920229	29.8345	15.7658	-0.9201832	0.00014386	No
						Prpf19	70.4608	53.2337	-0.404482	70.4618	53.2347	-0.4044744	0.00014386	No
						Prpf38a	32.6385	18.5806	-0.812775	32.6395	18.5816	-0.8127442	0.00014386	No
						Prpf38b	71.6372	22.0071	-1.70274	71.6382	22.0081	-1.7026945	0.00014386	No
						Prpf39	61.9457	20.3287	-1.60749	61.9467	20.3297	-1.6074385	0.00014386	No
						Prpf4	18.6462	8.5173	-1.13041	18.6472	8.5183	-1.1303216	0.00014386	No
						Prpf40a	27.6714	10.819	-1.35483	27.6724	10.82	-1.3547473	0.00014386	No
						Prpf8	47.0309	18.8258	-1.3209	47.0319	18.8268	-1.3208518	0.00014386	No
						PRPS1	33.0157	9.42417	-1.80871	33.0167	9.42517	-1.8086054	0.00014386	No
						Prps2	60.7617	27.6571	-1.13551	60.7627	27.6581	-1.1354839	0.00014386	No
						Prpsap1	54.8779	80.9698	0.561159	54.8789	80.9708	0.56115017	0.00014386	No
						Prr12	13.2544	6.56084	-1.01452	13.2554	6.56184	-1.0144079	0.00014386	No
						Prr13	230.844	61.8923	-1.89909	230.845	61.8933	-1.8990693	0.00014386	No
						Prr14	36.1348	15.1719	-1.25199	36.1358	15.1729	-1.251932	0.00014386	No
						Prr14l	10.028	3.70604	-1.43608	10.029	3.70704	-1.4358382	0.00014386	No
						Prr15l	0	83.1431	inf	0.001	83.1441	16.3433263	0.00014386	No
						Prr16	0	2.05376	inf	0.001	2.05476	11.0047542	0.00014386	No
						Prr22	1.5785	5.28654	1.74377	1.5795	5.28754	1.74312874	0.00014386	No
						Prr3	32.1295	22.3607	-0.522933	32.1305	22.3617	-0.5229136	0.00014386	No
						Prr5	1.55142	10.964	2.82112	1.55242	10.965	2.82031498	0.00014386	No
						Prr7	21.3907	3.08992	-2.79134	21.3917	3.09092	-2.7909429	0.00014386	No
						Prrc2b	42.9988	14.1093	-1.60765	42.9998	14.1103	-1.6075813	0.00014386	No
						Prrg2	0.550912	16.3569	4.89194	0.551912	16.3579	4.88940549	0.00014386	No
						Prss12	0	4.65858	inf	0.001	4.65958	12.1859842	0.00014386	No
						Prss22	0	4.64027	inf	0.001	4.64127	12.1803039	0.00014386	No
						Prss39	15.8027	2.22805	-2.82632	15.8037	2.22905	-2.8257615	0.00014386	No
						Prss53	1.34807	10.2881	2.93202	1.34907	10.2891	2.93107968	0.00014386	No
						Prss8	1.26686	82.0416	6.01702	1.26786	82.0426	6.01590586	0.00014386	No
						Prune	6.78145	26.771	1.98101	6.78245	26.772	1.98084651	0.00014386	No
						Prx	0.126574	0.840056	2.73051	0.127574	0.841056	2.72086753	0.00014386	No
						Psap	150.415	249.452	0.729808	150.416	249.453	0.72980998	0.00014386	No
						Psat1	6.88511	74.4749	3.4352	6.88611	74.4759	3.43501252	0.00014386	No
						Psca	0.202858	129.979	9.32359	0.203858	129.98	9.31650936	0.00014386	No
						Psd4	43.313	3.95407	-3.45339	43.314	3.95507	-3.4530583	0.00014386	No
						Psen2	13.1343	8.56563	-0.616707	13.1353	8.56663	-0.6166495	0.00014386	No
						Psip1	69.16	10.3015	-2.74708	69.161	10.3025	-2.7469643	0.00014386	No
						Pskh1	7.76292	18.0424	1.21672	7.76392	18.0434	1.21661406	0.00014386	No
						Psma4	161.427	118.846	-0.441793	161.428	118.847	-0.4417854	0.00014386	No
						Psmb1	283.01	204.274	-0.47035	283.011	204.275	-0.4703455	0.00014386	No
						Psmb5	124.756	189.435	0.602592	124.757	189.436	0.60258976	0.00014386	No
						Psmb6	81.4055	116.113	0.512336	81.4065	116.114	0.51232603	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Psmb7	108.161	166.544	0.622713	108.162	166.545	0.62271831	0.00014386	No
						Psmb9	159.653	36.642	-2.12337	159.654	36.643	-2.1233392	0.00014386	No
						Psmc2	59.2041	90.5107	0.612392	59.2051	90.5117	0.61238284	0.00014386	No
						Psmd13	83.2966	55.6204	-0.582642	83.2976	55.6214	-0.5826349	0.00014386	No
						Psmd14	62.8611	41.4098	-0.602195	62.8621	41.4108	-0.6021834	0.00014386	No
						Psmd6	55.2767	74.1976	0.424702	55.2777	74.1986	0.42469438	0.00014386	No
						Psmd8	36.4316	73.3411	1.00943	36.4326	73.3421	1.00941162	0.00014386	No
						Psme1	904.663	411.03	-1.13814	904.664	411.031	-1.1381349	0.00014386	No
						Psmg1	31.8375	61.1871	0.942501	31.8385	61.1881	0.94247873	0.00014386	No
						PSMG3	15.9382	34.1572	1.0997	15.9392	34.1582	1.09965273	0.00014386	No
						Pspc1	33.1291	15.9455	-1.05495	33.1301	15.9465	-1.0549027	0.00014386	No
						Psph	14.2576	49.1611	1.78578	14.2586	49.1621	1.78571421	0.00014386	No
						Pstpip1	132.831	34.3966	-1.94925	132.832	34.3976	-1.9492229	0.00014386	No
						Ptbp2	17.0002	4.26975	-1.99333	17.0012	4.27075	-1.9930752	0.00014386	No
						Ptbp3	54.7205	15.8467	-1.7879	54.7215	15.8477	-1.7878343	0.00014386	No
						Ptch1	3.46826	6.73366	0.957178	3.46926	6.73466	0.95697715	0.00014386	No
						Ptchd3	0	1.47083	inf	0.001	1.47183	10.5233953	0.00014386	No
						Ptdss1	30.0663	14.9357	-1.00939	30.0673	14.9367	-1.0093339	0.00014386	No
						Pten	54.8396	19.6106	-1.48359	54.8406	19.6116	-1.4835371	0.00014386	No
						Pter	1.769	92.1477	5.70294	1.77	92.1487	5.70214255	0.00014386	No
						PTGER1	27.3473	7.41717	-1.88246	27.3483	7.41817	-1.8823159	0.00014386	No
						Ptger2	11.8039	4.88701	-1.27225	11.8049	4.88801	-1.2720667	0.00014386	No
						Ptger3	1.35399	30.4697	4.49209	1.35499	30.4707	4.49106853	0.00014386	No
						Ptger4	19.0034	5.61333	-1.75933	19.0044	5.61433	-1.7591477	0.00014386	No
						Ptges2	10.7711	39.3802	1.87031	10.7721	39.3812	1.87020754	0.00014386	No
						Ptges3	137.608	103.935	-0.40489	137.609	103.936	-0.4048794	0.00014386	No
						Ptges3l1	11.9915	2.14454	-2.48328	11.9925	2.14554	-2.4827197	0.00014386	No
						Ptgfr	0	1.08056	inf	0.001	1.08156	10.078898	0.00014386	No
						Ptgfrn	0.548104	26.036	5.56991	0.549104	26.037	5.56734	0.00014386	No
						Ptgr2	10.8246	42.015	1.95659	10.8256	42.016	1.95649183	0.00014386	No
						Ptgs1	0.381284	20.6123	5.7565	0.382284	20.6133	5.75278686	0.00014386	No
						Ptk2	2.67841	26.2472	3.29272	2.67941	26.2482	3.29223123	0.00014386	No
						Ptk2b	71.8302	11.8171	-2.60371	71.8312	11.8181	-2.6036125	0.00014386	No
						PTP4A2	370.821	145.448	-1.35022	370.822	145.449	-1.3502135	0.00014386	No
						Ptp4a3	99.7026	11.9815	-3.05682	99.7036	11.9825	-3.0567167	0.00014386	No
						Ptpdc1	2.89873	10.5936	1.86969	2.89973	10.5946	1.86933864	0.00014386	No
						Ptpla	1.24931	10.7914	3.11067	1.25031	10.7924	3.10965798	0.00014386	No
						Ptplad1	8.72466	17.4672	1.00148	8.72566	17.4682	1.00139479	0.00014386	No
						Ptplad2	0.604554	23.77	5.29712	0.605554	23.771	5.29480317	0.00014386	No
						Ptpmt1	7.1812	31.4198	2.12938	7.1822	31.4208	2.12922218	0.00014386	No
						Ptpn1	34.6899	8.04967	-2.10751	34.6909	8.05067	-2.1073765	0.00014386	No
						Ptpn12	12.2769	20.491	0.739041	12.2779	20.492	0.73899697	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ptpn13	0.737063	93.9005	6.9932	0.738063	93.9015	6.99126043	0.00014386	No
						Ptpn18	193.604	61.9472	-1.644	193.605	61.9482	-1.6439819	0.00014386	No
						PTPN2	58.224	19.8407	-1.55315	58.225	19.8417	-1.5531031	0.00014386	No
						Ptpn21	0.0599887	9.20971	7.26232	0.0609887	9.21071	7.23862659	0.00014386	No
						Ptpn22	171.062	5.50397	-4.9579	171.063	5.50497	-4.9576492	0.00014386	No
						Ptpn23	6.55793	13.178	1.00682	6.55893	13.179	1.00670852	0.00014386	No
						Ptpn7	17.1056	2.05532	-3.05704	17.1066	2.05632	-3.0564164	0.00014386	No
						Ptprc	699.665	7.85281	-6.47731	699.666	7.85381	-6.4771299	0.00014386	No
						Ptprcap	629.338	16.5168	-5.25183	629.339	16.5178	-5.2517439	0.00014386	No
						Ptprd	0.00369885	5.14732	10.4425	0.00469885	5.14832	10.0975783	0.00014386	No
						Ptpre	9.71648	0.897597	-3.4363	9.71748	0.898597	-3.4348361	0.00014386	No
						Ptprf	14.5894	34.6257	1.24693	14.5904	34.6267	1.24686547	0.00014386	No
						PTPRG	0.209859	2.89756	3.78735	0.210859	2.89856	3.78098584	0.00014386	No
						Ptprj	1.48833	7.34402	2.30288	1.48933	7.34502	2.30210296	0.00014386	No
						Ptprk	1.96884	18.4497	3.22818	1.96984	18.4507	3.22752519	0.00014386	No
						Ptprm	0.751424	5.0294	2.74269	0.752424	5.0304	2.74105535	0.00014386	No
						Ptpro	1.03175	5.22006	2.33897	1.03275	5.22106	2.33785168	0.00014386	No
						Ptprr	0	9.81461	inf	0.001	9.81561	13.2608622	0.00014386	No
						Ptpru	0	0.812003	inf	0.001	0.813003	9.66711687	0.00014386	No
						Ptrh2	3.46545	5.77802	0.737531	3.46645	5.77902	0.73736591	0.00014386	No
						Pts	22.535	33.9115	0.589607	22.536	33.9125	0.58958567	0.00014386	No
						Pttg1ip	43.6295	366.151	3.06906	43.6305	366.152	3.06903376	0.00014386	No
						Pum1	52.6264	14.2884	-1.88094	52.6274	14.2894	-1.8808688	0.00014386	No
						Pum2	88.4695	21.9051	-2.01392	88.4705	21.9061	-2.0138638	0.00014386	No
						Pus1	39.5639	19.2629	-1.03836	39.5649	19.2639	-1.0383213	0.00014386	No
						Pus3	19.8947	6.39803	-1.63669	19.8957	6.39903	-1.6365315	0.00014386	No
						Pus7	4.34981	1.4035	-1.63193	4.35081	1.4045	-1.6312274	0.00014386	No
						Pus7l	7.29842	0.385214	-4.24385	7.29942	0.386214	-4.2403095	0.00014386	No
						PVR	1.67346	4.50219	1.42779	1.67446	4.50319	1.42725144	0.00014386	No
						Pvrl1	0	1.26921	inf	0.001	1.27021	10.3108513	0.00014386	No
						Pvrl3	0.0547401	4.0701	6.21632	0.0557401	4.0711	6.19055926	0.00014386	No
						Pwwp2a	31.3777	5.75364	-2.44719	31.3787	5.75464	-2.446988	0.00014386	No
						Pxk	21.2385	36.7865	0.792495	21.2395	36.7875	0.79246583	0.00014386	No
						Pxmp2	2.03164	43.4174	4.41755	2.03264	43.4184	4.41687993	0.00014386	No
						Pxmp4	11.7464	31.3813	1.41768	11.7474	31.3823	1.4176096	0.00014386	No
						Pycard	122.06	17.076	-2.83755	122.061	17.077	-2.8374759	0.00014386	No
						Pygb	5.94172	15.2427	1.35916	5.94272	15.2437	1.35901781	0.00014386	No
						Pygl	26.2187	12.9211	-1.02087	26.2197	12.9221	-1.0208106	0.00014386	No
						Pygo2	33.7478	20.0675	-0.749936	33.7488	20.0685	-0.7499034	0.00014386	No
						Pyroxd1	8.55889	21.2423	1.31145	8.55989	21.2433	1.31134373	0.00014386	No
						Pyroxd2	3.61369	192.096	5.73221	3.61469	192.097	5.73181925	0.00014386	No
						Qars	84.5355	43.5763	-0.956016	84.5365	43.5773	-0.9559976	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Qdpr	35.3253	139.315	1.97958	35.3263	139.316	1.9795464	0.00014386	No
						QK	23.8646	13.0097	-0.875288	23.8656	13.0107	-0.875234	0.00014386	No
						Qrsl1	5.94858	10.9544	0.880889	5.94958	10.9554	0.88078243	0.00014386	No
						Qser1	0.705175	1.50702	1.09565	0.706175	1.50802	1.09455791	0.00014386	No
						Qsox1	2.61067	15.3934	2.55982	2.61167	15.3944	2.55936112	0.00014386	No
						Qtrtd1	3.9883	1.21026	-1.72046	3.9893	1.21126	-1.719627	0.00014386	No
						R3hdm1	22.2652	5.83826	-1.93118	22.2662	5.83926	-1.9309979	0.00014386	No
						Rab1	24.9266	82.6331	1.72903	24.9276	82.6341	1.72899326	0.00014386	No
						Rab11a	37.3064	97.4741	1.3856	37.3074	97.4751	1.38557191	0.00014386	No
						Rab11b	107.142	150.96	0.494644	107.143	150.961	0.49463829	0.00014386	No
						Rab11fip1	2.91469	21.0126	2.84984	2.91569	21.0136	2.8494141	0.00014386	No
						Rab11fip4	62.0113	14.1086	-2.13595	62.0123	14.1096	-2.1358773	0.00014386	No
						Rab11fip5	0.435443	25.8775	5.89307	0.436443	25.8785	5.88981694	0.00014386	No
						Rab12	12.8249	28.6683	1.16051	12.8259	28.6693	1.16044662	0.00014386	No
						Rab13	0.202747	24.6165	6.9238	0.203747	24.6175	6.91676163	0.00014386	No
						Rab18	14.441	42.77	1.56643	14.442	42.771	1.56636239	0.00014386	No
						Rab19	13.4264	3.34744	-2.00394	13.4274	3.34844	-2.003619	0.00014386	No
						Rab23	5.97154	14.0687	1.23632	5.97254	14.0697	1.23617505	0.00014386	No
						Rab25	9.69459	44.9566	2.21328	9.69559	44.9576	2.21316442	0.00014386	No
						Rab27a	95.1883	6.52578	-3.86656	95.1893	6.52678	-3.8663561	0.00014386	No
						Rab32	0.281709	5.72496	4.34499	0.282709	5.72596	4.34012788	0.00014386	No
						Rab33b	6.72432	4.51131	-0.57584	6.72532	4.51231	-0.5757367	0.00014386	No
						Rab35	82.2566	30.8213	-1.4162	82.2576	30.8223	-1.4161745	0.00014386	No
						RAB37	38.3266	1.73382	-4.46632	38.3276	1.73482	-4.4655258	0.00014386	No
						Rab3d	13.2501	6.591	-1.00743	13.2511	6.592	-1.007324	0.00014386	No
						Rab3ip	449.295	91.3844	-2.29764	449.296	91.3854	-2.2976306	0.00014386	No
						Rab40b	0.106555	2.53909	4.57464	0.107555	2.54009	4.56173312	0.00014386	No
						Rab4a	12.1223	28.0514	1.21041	12.1233	28.0524	1.21034175	0.00014386	No
						Rab5a	30.997	48.5326	0.646825	30.998	48.5336	0.64680874	0.00014386	No
						Rab5b	34.9113	46.6881	0.419359	34.9123	46.6891	0.41935037	0.00014386	No
						Rab6b	0.201675	2.10971	3.38694	0.202675	2.11071	3.38048833	0.00014386	No
						Rab7a	101.286	220.197	1.12036	101.287	220.198	1.12035235	0.00014386	No
						Rab7l1	124.97	65.4381	-0.933375	124.971	65.4391	-0.9333685	0.00014386	No
						Rab8a	181.256	64.2263	-1.49679	181.257	64.2273	-1.4967782	0.00014386	No
						Rab9a	22.8855	54.3057	1.24667	22.8865	54.3067	1.24663335	0.00014386	No
						Rabac1	287.074	190.411	-0.592306	287.075	190.412	-0.5923033	0.00014386	No
						Rabep2	32.6965	22.9056	-0.513434	32.6975	22.9066	-0.513417	0.00014386	No
						Rabepk	7.06667	13.6353	0.948248	7.06767	13.6363	0.94814566	0.00014386	No
						Rabgap1	6.30416	9.24545	0.55244	6.30516	9.24645	0.5523666	0.00014386	No
						Rabgap1l	14.1005	7.73475	-0.866314	14.1015	7.73575	-0.8662356	0.00014386	No
						Rabl2a	0.231223	15.294	6.04754	0.232223	15.295	6.04140543	0.00014386	No
						Rabl5	0.734698	14.6935	4.32188	0.735698	14.6945	4.32001879	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rac2	1198.55	59.4306	-4.33394	1198.551	59.4316	-4.3339173	0.00014386	No
						Rad1	16.0951	6.19556	-1.37731	16.0961	6.19656	-1.3771717	0.00014386	No
						Rad17	15.1264	9.91348	-0.609602	15.1274	9.91448	-0.609555	0.00014386	No
						Rad21	61.129	47.6373	-0.359765	61.13	47.6383	-0.3597586	0.00014386	No
						Rad50	11.5267	5.91307	-0.962999	11.5277	5.91407	-0.9628815	0.00014386	No
						Rae1	48.0361	26.7671	-0.843662	48.0371	26.7681	-0.8436343	0.00014386	No
						Raf1	48.8986	30.4692	-0.682443	48.8996	30.4702	-0.6824237	0.00014386	No
						Rai14	0.0134141	10.4735	9.60877	0.0144141	10.4745	9.5051849	0.00014386	No
						Rai2	0	5.02906	inf	0.001	5.03006	12.2963599	0.00014386	No
						Ralb	6.25266	24.0385	1.9428	6.25366	24.0395	1.9426342	0.00014386	No
						Ralbp1	35.2503	24.7445	-0.510529	35.2513	24.7455	-0.5105103	0.00014386	No
						Ralgapa1	13.1809	9.11617	-0.531947	13.1819	9.11717	-0.5319003	0.00014386	No
						Ralgapa2	6.40669	3.51975	-0.864106	6.40769	3.52075	-0.8639216	0.00014386	No
						Ralgapb	12.1667	7.07792	-0.781541	12.1677	7.07892	-0.7814553	0.00014386	No
						Ralgps2	13.402	1.67234	-3.00251	13.403	1.67334	-3.0017534	0.00014386	No
						Raly	302.02	128.011	-1.23838	302.021	128.012	-1.2383698	0.00014386	No
						Ramp2	1.11731	31.0439	4.79621	1.11831	31.0449	4.79496422	0.00014386	No
						Ramp3	3.83873	8.95432	1.22195	3.83973	8.95532	1.22174012	0.00014386	No
						Ranbp1	83.5162	61.0013	-0.453216	83.5172	61.0023	-0.4532097	0.00014386	No
						Ranbp10	23.7476	8.19071	-1.53572	23.7486	8.19171	-1.5356059	0.00014386	No
						Ranbp6	5.10864	2.28062	-1.16351	5.10964	2.28162	-1.1631631	0.00014386	No
						Ranbp9	49.6023	15.8538	-1.64558	49.6033	15.8548	-1.6455164	0.00014386	No
						Rangap1	54.7726	26.317	-1.05746	54.7736	26.318	-1.0574308	0.00014386	No
						Rap1a	155.062	39.1832	-1.98454	155.063	39.1842	-1.9845105	0.00014386	No
						Rap1b	236.549	63.4099	-1.89936	236.55	63.4109	-1.8993424	0.00014386	No
						Rap1gap2	4.78312	16.9694	1.82691	4.78412	16.9704	1.82669509	0.00014386	No
						Rap1gds1	30.332	10.5321	-1.52605	30.333	10.5331	-1.5259581	0.00014386	No
						Rap2b	10.6835	1.40712	-2.92457	10.6845	1.40812	-2.9236772	0.00014386	No
						Rap2c	26.9545	5.51959	-2.28789	26.9555	5.52059	-2.2876853	0.00014386	No
						Rapgef1	23.4443	11.1756	-1.06889	23.4453	11.1766	-1.0688174	0.00014386	No
						Rapgef5	0.164678	1.28598	2.96514	0.165678	1.28698	2.95753569	0.00014386	No
						Rapgef6	41.4263	1.93983	-4.41654	41.4273	1.94083	-4.4158361	0.00014386	No
						RAPGEFL1	0.134991	5.11469	5.24371	0.135991	5.11569	5.23334576	0.00014386	No
						Rapsn	0.86096	14.8346	4.10688	0.86196	14.8356	4.10529854	0.00014386	No
						Rarres2	0.0192011	11.5821	9.23649	0.0202011	11.5831	9.16337185	0.00014386	No
						Rars2	5.2568	12.302	1.22664	5.2578	12.303	1.22647898	0.00014386	No
						Rasa1	25.3923	8.83021	-1.52387	25.3933	8.83121	-1.5237649	0.00014386	No
						Rasa3	74.9684	1.76088	-5.41191	74.9694	1.76188	-5.4111143	0.00014386	No
						RASA4	27.4139	4.16248	-2.71939	27.4149	4.16348	-2.7190984	0.00014386	No
						Rasal3	99.6274	3.75636	-4.72913	99.6284	3.75736	-4.7287658	0.00014386	No
						Rasd1	0.61272	12.7265	4.37646	0.61372	12.7275	4.37422466	0.00014386	No
						Rasgef1b	21.7242	4.18004	-2.37771	21.7252	4.18104	-2.3774357	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rasgrp1	79.7479	4.30665	-4.21081	79.7489	4.30765	-4.2104917	0.00014386	No
						Rasgrp3	0.547598	6.91352	3.65823	0.548598	6.91452	3.65580784	0.00014386	No
						Rasip1	0.693226	7.04462	3.34512	0.694226	7.04562	3.34324936	0.00014386	No
						Rasl10a	0.105673	9.78774	6.53329	0.106673	9.78874	6.5198562	0.00014386	No
						Rasl11a	0.437089	10.3535	4.56605	0.438089	10.3545	4.56289009	0.00014386	No
						Rasl11b	1.46736	37.7355	4.68462	1.46836	37.7365	4.683683	0.00014386	No
						Rasl12	0	4.77985	inf	0.001	4.78085	12.2230514	0.00014386	No
						Rassf2	23.8375	2.907	-3.03563	23.8385	2.908	-3.0351943	0.00014386	No
						Rassf5	65.1349	10.2011	-2.6747	65.1359	10.2021	-2.6745868	0.00014386	No
						Rassf6	0.0420154	27.0195	9.32887	0.0430154	27.0205	9.2949854	0.00014386	No
						Rassf8	0.108079	26.045	7.91278	0.109079	26.046	7.89954464	0.00014386	No
						Rassf9	0	7.05597	inf	0.001	7.05697	12.7848332	0.00014386	No
						RatNP-3b	0	6.01121	inf	0.001	6.01221	12.5536797	0.00014386	No
						Raver1	46.2211	21.4766	-1.10579	46.2221	21.4776	-1.10575	0.00014386	No
						Rb1cc1	17.7797	8.30941	-1.09741	17.7807	8.31041	-1.0973206	0.00014386	No
						Rbak	4.86405	2.8158	-0.78861	4.86505	2.8168	-0.7883975	0.00014386	No
						Rbbp5	23.4752	7.59057	-1.62886	23.4762	7.59157	-1.6287287	0.00014386	No
						Rbbp8	10.682	27.9492	1.38762	10.683	27.9502	1.38754176	0.00014386	No
						Rbl1	1.68507	0.704185	-1.25878	1.68607	0.705185	-1.2575907	0.00014386	No
						Rbl2	38.76	15.9739	-1.27885	38.761	15.9749	-1.2787989	0.00014386	No
						Rbm10	43.4289	26.6943	-0.702122	43.4299	26.6953	-0.7021029	0.00014386	No
						Rbm12b	8.67751	4.75519	-0.867777	8.67851	4.75619	-0.867641	0.00014386	No
						Rbm15	6.60721	2.9929	-1.1425	6.60821	2.9939	-1.1422335	0.00014386	No
						Rbm17	125.056	69.7477	-0.842353	125.057	69.7487	-0.8423476	0.00014386	No
						Rbm19	4.15066	1.81574	-1.19278	4.15166	1.81674	-1.1923363	0.00014386	No
						Rbm22	35.8887	15.8246	-1.18136	35.8897	15.8256	-1.1813097	0.00014386	No
						Rbm25	64.4106	20.7899	-1.63141	64.4116	20.7909	-1.6313683	0.00014386	No
						Rbm27	20.7408	6.39152	-1.69824	20.7418	6.39252	-1.6980844	0.00014386	No
						Rbm3	252.545	58.059	-2.12095	252.546	58.06	-2.1209297	0.00014386	No
						Rbm33	44.0065	6.24817	-2.81621	44.0075	6.24917	-2.8160129	0.00014386	No
						Rbm34	12.9037	4.80666	-1.42468	12.9047	4.80766	-1.4244898	0.00014386	No
						Rbm38	52.683	8.99042	-2.55088	52.684	8.99142	-2.550744	0.00014386	No
						Rbm39	77.8249	30.2834	-1.3617	77.8259	30.2844	-1.3616755	0.00014386	No
						Rbm41	6.86798	1.21992	-2.4931	6.86898	1.22092	-2.4921272	0.00014386	No
						Rbm48	10.1874	3.70722	-1.45838	10.1884	3.70822	-1.4581288	0.00014386	No
						Rbm5	86.9828	42.7229	-1.02572	86.9838	42.7239	-1.0257034	0.00014386	No
						Rbm6	35.0224	15.1473	-1.20921	35.0234	15.1483	-1.2091632	0.00014386	No
						Rbm7	40.8187	23.8509	-0.775187	40.8197	23.8519	-0.7751614	0.00014386	No
						Rbms2	76.8703	41.284	-0.896845	76.8713	41.285	-0.8968274	0.00014386	No
						Rbms3	0	4.6725	inf	0.001	4.6735	12.1902877	0.00014386	No
						Rbmx	40.2997	18.8182	-1.09864	40.3007	18.8192	-1.0985996	0.00014386	No
						Rbmxrtl	13.9527	8.87897	-0.652077	13.9537	8.87997	-0.652021	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rbp1	0	113.031	inf	0.001	113.032	16.7863717	0.00014386	No
						Rbpms	3.6067	168.461	5.54559	3.6077	168.462	5.54520001	0.00014386	No
						Rc3h1	12.9482	3.91172	-1.72688	12.9492	3.91272	-1.7266192	0.00014386	No
						Rc3h2	17.2051	9.34713	-0.880242	17.2061	9.34813	-0.8801704	0.00014386	No
						Rcan2	0.0176224	19.073	10.0799	0.0186224	19.074	10.0003527	0.00014386	No
						Rcan3	37.1681	6.61562	-2.49012	37.1691	6.61662	-2.4899374	0.00014386	No
						Rcc1	16.6095	7.58086	-1.13158	16.6105	7.58186	-1.1314718	0.00014386	No
						Rcc2	111.663	31.29	-1.83537	111.664	31.291	-1.8353445	0.00014386	No
						Rchy1	21.6793	39.5382	0.866927	21.6803	39.5392	0.86689896	0.00014386	No
						Rcn1	17.7269	11.3704	-0.640659	17.7279	11.3714	-0.6406118	0.00014386	No
						Rcn2	6.28527	16.1329	1.35996	6.28627	16.1339	1.35981908	0.00014386	No
						Rcsd1	117.3	5.92545	-4.30713	117.301	5.92645	-4.3069033	0.00014386	No
						Rdh14	9.22103	16.132	0.806923	9.22203	16.133	0.80685847	0.00014386	No
						Rdh16	1.41723	12.224	3.10857	1.41823	12.225	3.10767104	0.00014386	No
						Rdm1	11.0911	19.4805	0.81263	11.0921	19.4815	0.81257224	0.00014386	No
						Rdx	14.359	33.2984	1.2135	14.36	33.2994	1.21344043	0.00014386	No
						Reck	0.440003	3.82883	3.12132	0.441003	3.82983	3.11841998	0.00014386	No
						Recql	26.0551	12.6162	-1.04628	26.0561	12.6172	-1.0462294	0.00014386	No
						Reep4	33.8992	11.1108	-1.60929	33.9002	11.1118	-1.6092012	0.00014386	No
						Reep6	0.314093	5.87952	4.22644	0.315093	5.88052	4.22209413	0.00014386	No
						Rel	6.6097	1.09625	-2.59201	6.6107	1.09725	-2.5909108	0.00014386	No
						Rela	45.8095	29.9762	-0.611831	45.8105	29.9772	-0.6118127	0.00014386	No
						Relb	8.97584	6.08873	-0.559905	8.97684	6.08973	-0.5598294	0.00014386	No
						Rell1	7.17933	12.5238	0.80275	7.18033	12.5248	0.80266551	0.00014386	No
						Relt	16.4215	2.34576	-2.80746	16.4225	2.34676	-2.8069316	0.00014386	No
						Rem2	0.232317	1.34303	2.53133	0.233317	1.34403	2.52620201	0.00014386	No
						Repin1	0.782306	13.6093	4.12072	0.783306	13.6103	4.11897905	0.00014386	No
						Reps2	0	0.951569	inf	0.001	0.952569	9.89567979	0.00014386	No
						Rere	80.3822	40.8418	-0.976831	80.3832	40.8428	-0.9768122	0.00014386	No
						Resp18	26.7957	9.94433	-1.43005	26.7967	9.94533	-1.4299642	0.00014386	No
						Rest	17.463	10.407	-0.746751	17.464	10.408	-0.7466912	0.00014386	No
						Rev1	47.8408	15.0468	-1.66879	47.8418	15.0478	-1.6687191	0.00014386	No
						Rev3l	16.7677	6.78205	-1.30589	16.7687	6.78305	-1.3057648	0.00014386	No
						Rexo1	42.1496	17.2898	-1.2856	42.1506	17.2908	-1.2855485	0.00014386	No
						Rexo4	54.7964	24.684	-1.1505	54.7974	24.685	-1.1504728	0.00014386	No
						Rfc1	16.017	8.40105	-0.930967	16.018	8.40205	-0.9308807	0.00014386	No
						Rfc2	25.3951	14.0578	-0.853175	25.3961	14.0588	-0.8531335	0.00014386	No
						Rfc5	20.9824	10.137	-1.04956	20.9834	10.138	-1.0494754	0.00014386	No
						RFFL	28.2114	18.3113	-0.623546	28.2124	18.3123	-0.6235164	0.00014386	No
						Rftn1	33.4298	2.2603	-3.88655	33.4308	2.2613	-3.8859536	0.00014386	No
						Rfx1	68.2199	11.6811	-2.54602	68.2209	11.6821	-2.5459141	0.00014386	No
						Rfx5	25.5247	18.2471	-0.484221	25.5257	18.2481	-0.4842043	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rfx7	20.4682	2.30344	-3.15152	20.4692	2.30444	-3.1509666	0.00014386	No
						Rfx8	0	0.802783	inf	0.001	0.803783	9.65066225	0.00014386	No
						Rfxap	43.2962	19.4437	-1.15493	43.2972	19.4447	-1.1548968	0.00014386	No
						Rgcc	156.983	7.4735	-4.39268	156.984	7.4745	-4.3924966	0.00014386	No
						RGD1302996	33.2788	98.579	1.56668	33.2798	98.58	1.56664822	0.00014386	No
						RGD1303003	106.682	223.011	1.0638	106.683	223.012	1.06379104	0.00014386	No
						RGD1303130	27.8738	43.337	0.63669	27.8748	43.338	0.63667112	0.00014386	No
						RGD1304567	22.2049	41.5021	0.902304	22.2059	41.5031	0.90227606	0.00014386	No
						RGD1304595	12.2766	1.97925	-2.63288	12.2776	1.98025	-2.6322741	0.00014386	No
						RGD1304622	0.973393	44.3066	5.50835	0.974393	44.3076	5.5069066	0.00014386	No
						RGD1304694	4.94395	18.531	1.9062	4.94495	18.532	1.90599075	0.00014386	No
						RGD1304704	128.074	194.997	0.606474	128.075	194.998	0.60647044	0.00014386	No
						RGD1304770	0.0728901	16.4148	7.81505	0.0738901	16.4158	7.79548826	0.00014386	No
						RGD1304884	0.37299	3.85876	3.37093	0.37399	3.85976	3.36743954	0.00014386	No
						RGD1304978	1.35255	2.70114	0.997894	1.35355	2.70214	0.99735424	0.00014386	No
						RGD1304982	3.41339	37.1422	3.44378	3.41439	37.1432	3.44339835	0.00014386	No
						RGD1305045	41.9199	57.461	0.454949	41.9209	57.462	0.45493852	0.00014386	No
						RGD1305110	1.59209	3.04732	0.936623	1.59309	3.04832	0.93618659	0.00014386	No
						RGD1305350	25.1955	16.5422	-0.607017	25.1965	16.5432	-0.606985	0.00014386	No
						RGD1305422	5.96217	14.0238	1.23397	5.96317	14.0248	1.23382883	0.00014386	No
						RGD1305455	14.5609	6.37597	-1.19138	14.5619	6.37697	-1.1912556	0.00014386	No
						RGD1305464	3.43307	1.41622	-1.27746	3.43407	1.41722	-1.2768557	0.00014386	No
						RGD1305508	30.6446	16.8202	-0.865435	30.6456	16.8212	-0.8653993	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1305587	22.6482	51.4884	1.18485	22.6492	51.4894	1.18481537	0.00014386	No
						RGD1305645	0	39.4164	inf	0.001	39.4174	15.266545	0.00014386	No
						RGD1305743	19.0668	7.43603	-1.35846	19.0678	7.43703	-1.3583399	0.00014386	No
						RGD1305834	3.43281	0.392059	-3.13024	3.43381	0.393059	-3.1269924	0.00014386	No
						RGD1306058	28.6395	59.7645	1.06128	28.6405	59.7655	1.06125624	0.00014386	No
						RGD1306063	42.9817	73.1419	0.766974	42.9827	73.1429	0.76696172	0.00014386	No
						RGD1306151	0.672839	10.9564	4.02537	0.673839	10.9574	4.02335777	0.00014386	No
						RGD1306215	27.4846	43.597	0.665604	27.4856	43.598	0.66558598	0.00014386	No
						RGD1306353	23.8762	8.18234	-1.54499	23.8772	8.18334	-1.544872	0.00014386	No
						RGD1306556	0.148843	5.7945	5.28282	0.149843	5.7955	5.27340954	0.00014386	No
						RGD1306730	23.4874	12.9895	-0.854538	23.4884	12.9905	-0.8544915	0.00014386	No
						RGD1306739	8.44682	34.6321	2.03563	8.44782	34.6331	2.03550053	0.00014386	No
						RGD1306772	3.98888	10.9556	1.4576	3.98988	10.9566	1.45738292	0.00014386	No
						RGD1306820	9.28971	3.22595	-1.52591	9.29071	3.22695	-1.5256176	0.00014386	No
						RGD1306941	1.62834	3.024	0.893056	1.62934	3.025	0.89264745	0.00014386	No
						RGD1306954	29.2564	57.5001	0.974813	29.2574	57.5011	0.97478799	0.00014386	No
						RGD1307100	59.0947	29.6549	-0.994755	59.0957	29.6559	-0.994734	0.00014386	No
						RGD1307235	38.7227	11.5043	-1.75101	38.7237	11.5053	-1.7509182	0.00014386	No
						RGD1307254	25.4177	17.6194	-0.528667	25.4187	17.6204	-0.5286436	0.00014386	No
						RGD1307262	15.361	64.7483	2.07557	15.362	64.7493	2.07549854	0.00014386	No
						RGD1307315	0.521781	9.61016	4.20304	0.522781	9.61116	4.20043195	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1307365	6.18531	2.53078	-1.28926	6.18631	2.53178	-1.2889271	0.00014386	No
						RGD1307526	91.2802	33.799	-1.43332	91.2812	33.8	-1.4332945	0.00014386	No
						RGD1307554	7.62048	4.13247	-0.882877	7.62148	4.13347	-0.8827178	0.00014386	No
						RGD1307929	28.6087	20.7017	-0.466704	28.6097	20.7027	-0.4666854	0.00014386	No
						RGD1308005	5.81313	1.55514	-1.90227	5.81413	1.55614	-1.9015915	0.00014386	No
						RGD1308134	84.8326	49.833	-0.767517	84.8336	49.834	-0.7675054	0.00014386	No
						RGD1308234	185.551	35.6562	-2.37959	185.552	35.6572	-2.3795582	0.00014386	No
						RGD1308297	32.9907	12.4741	-1.40312	32.9917	12.4751	-1.4030517	0.00014386	No
						RGD1308601	8.28325	6.11186	-0.438587	8.28425	6.11286	-0.4385236	0.00014386	No
						RGD1308706	13.7824	30.4683	1.14448	13.7834	30.4693	1.14442455	0.00014386	No
						RGD1309079	4.79262	7.95147	0.730407	4.79362	7.95247	0.73028748	0.00014386	No
						RGD1309104	40.5455	3.89082	-3.3814	40.5465	3.89182	-3.3810605	0.00014386	No
						RGD1309148	39.4391	20.3833	-0.952237	39.4401	20.3843	-0.9522048	0.00014386	No
						RGD1309313	7.44523	13.1016	0.815354	7.44623	13.1026	0.81527104	0.00014386	No
						RGD1309350	0.73959	0	-inf	0.74059	0.001	-9.5325313	0.00014386	No
						RGD1309492	9.91764	7.21933	-0.458132	9.91864	7.22033	-0.4580775	0.00014386	No
						RGD1309534	1.4021	91.0311	6.02069	1.4031	91.0321	6.01968562	0.00014386	No
						RGD1309540	9.2749	15.6198	0.751973	9.2759	15.6208	0.75190917	0.00014386	No
						RGD1309594	2.8843	20.8986	2.85712	2.8853	20.8996	2.85668209	0.00014386	No
						RGD1309621	40.7601	10.4686	-1.96109	40.7611	10.4696	-1.9609867	0.00014386	No
						RGD1309747	16.6713	5.61842	-1.56913	16.6723	5.61942	-1.56896	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1309762	11.9927	4.60355	-1.38134	11.9937	4.60455	-1.3811447	0.00014386	No
						RGD1309808	327.546	5.82715	-5.81277	327.547	5.82815	-5.8125201	0.00014386	No
						RGD1309823	33.0393	17.5309	-0.914286	33.0403	17.5319	-0.9142444	0.00014386	No
						RGD1309995	45.2858	10.0904	-2.16607	45.2868	10.0914	-2.1659643	0.00014386	No
						RGD1310016	4.24163	2.0469	-1.05118	4.24263	2.0479	-1.0508136	0.00014386	No
						RGD1310127	19.0244	73.3322	1.9466	19.0254	73.3332	1.94653971	0.00014386	No
						RGD1310262	0.161768	14.3181	6.46777	0.162768	14.3191	6.45897991	0.00014386	No
						RGD1310313	130.585	224.05	0.778835	130.586	224.051	0.77882693	0.00014386	No
						RGD1310352	16.9341	52.6362	1.63613	16.9351	52.6372	1.63606624	0.00014386	No
						RGD1310553	6.7487	3.90384	-0.789716	6.7497	3.90484	-0.7895599	0.00014386	No
						RGD1310592	26.5513	11.0434	-1.2656	26.5523	11.0444	-1.2655218	0.00014386	No
						RGD1310727	26.6139	12.8986	-1.04497	26.6149	12.8996	-1.0449078	0.00014386	No
						RGD1310819	0	1.19684	inf	0.001	1.19784	10.2262195	0.00014386	No
						RGD1310852	6.43737	3.27793	-0.973685	6.43837	3.27893	-0.9734704	0.00014386	No
						RGD1311345	13.6518	36.3218	1.41175	13.6528	36.3228	1.41167856	0.00014386	No
						RGD1311458	23.9425	4.60186	-2.37928	23.9435	4.60286	-2.3790316	0.00014386	No
						RGD1311517	9.60313	1.39193	-2.78642	9.60413	1.39293	-2.7855322	0.00014386	No
						RGD1311564	1.19053	3.09292	1.37737	1.19153	3.09392	1.37662062	0.00014386	No
						RGD1311595	6.57679	2.65894	-1.30653	6.57779	2.65994	-1.3062092	0.00014386	No
						RGD1311703	71.2929	53.0529	-0.426326	71.2939	53.0539	-0.4263198	0.00014386	No
						RGD1311756	0.202578	14.7071	6.18189	0.203578	14.7081	6.17488542	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1311805	23.526	8.35148	-1.49415	23.527	8.35248	-1.4940408	0.00014386	No
						RGD1311863	7.4564	4.62553	-0.688862	7.4574	4.62653	-0.6887422	0.00014386	No
						RGD1311892	0.0235943	2.85757	6.92021	0.0245943	2.85857	6.86082582	0.00014386	No
						RGD1312026	3.70794	1.95168	-0.925903	3.70894	1.95268	-0.9255514	0.00014386	No
						RGD1359108	6.46196	2.9976	-1.10816	6.46296	2.9986	-1.107906	0.00014386	No
						RGD1359127	13.3148	29.582	1.15169	13.3158	29.583	1.15162926	0.00014386	No
						RGD1359158	39.8027	18.9544	-1.07033	39.8037	18.9554	-1.0702936	0.00014386	No
						RGD1359529	431.042	155.413	-1.47172	431.043	155.414	-1.4717153	0.00014386	No
						RGD1359634	2.14364	16.5103	2.94523	2.14464	16.5113	2.94464631	0.00014386	No
						RGD1559442	0.403573	8.13571	4.33336	0.404573	8.13671	4.32997363	0.00014386	No
						RGD1559600	0	2.55489	inf	0.001	2.55589	11.31961	0.00014386	No
						RGD1559786	10.498	28.7628	1.45409	10.499	28.7638	1.45400236	0.00014386	No
						RGD1559891	0	2.81292	inf	0.001	2.81392	11.4583656	0.00014386	No
						RGD1559896	6.45212	28.7806	2.15725	6.45312	28.7816	2.15707804	0.00014386	No
						RGD1559904	9.12319	3.76735	-1.27599	9.12419	3.76835	-1.2757635	0.00014386	No
						RGD1559971	1.9807	0.814772	-1.28154	1.9817	0.815772	-1.2805007	0.00014386	No
						RGD1560175	3.59128	1.5866	-1.17856	3.59228	1.5876	-1.1780523	0.00014386	No
						RGD1560220	51.7079	102.532	0.987619	51.7089	102.533	0.98760379	0.00014386	No
						RGD1560289	1.20141	0.194072	-2.63006	1.20241	0.195072	-2.6238503	0.00014386	No
						RGD1560398	5.15608	21.2389	2.04236	5.15708	21.2399	2.04215064	0.00014386	No
						RGD1560470	1.9472	0.563542	-1.7888	1.9482	0.564542	-1.786989	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1560557	8.80924	2.25918	-1.96322	8.81024	2.26018	-1.9627436	0.00014386	No
						RGD1560648	228.04	424.406	0.896155	228.041	424.407	0.89615522	0.00014386	No
						RGD1560687	3.58582	13.9481	1.9597	3.58682	13.9491	1.95939479	0.00014386	No
						RGD1560718	0	0.856556	inf	0.001	0.857556	9.74408707	0.00014386	No
						RGD1560813	96.0172	64.8764	-0.565599	96.0182	64.8774	-0.5655919	0.00014386	No
						RGD1560849	29.0481	0.158284	-7.51978	29.0491	0.159284	-7.5107483	0.00014386	No
						RGD1560871	0.555183	1.94614	1.80958	0.556183	1.94714	1.80772506	0.00014386	No
						RGD1560880	0.423096	4.71082	3.47692	0.424096	4.71182	3.47382165	0.00014386	No
						RGD1560888	16.7951	9.46528	-0.827327	16.7961	9.46628	-0.8272568	0.00014386	No
						RGD1561113	9.57138	57.2649	2.58085	9.57238	57.2659	2.58072674	0.00014386	No
						RGD1561145	44.672	1.72959	-4.69087	44.673	1.73059	-4.6900673	0.00014386	No
						RGD1561157	13.8542	5.08028	-1.44734	13.8552	5.08128	-1.4471637	0.00014386	No
						RGD1561328	33.2786	65.8108	0.983729	33.2796	65.8118	0.98370819	0.00014386	No
						RGD1561507	0.396082	9.5986	4.59895	0.397082	9.5996	4.59546542	0.00014386	No
						RGD1561530	0	26.935	inf	0.001	26.936	14.717248	0.00014386	No
						RGD1561589	33.1536	46.978	0.50282	33.1546	46.979	0.50280695	0.00014386	No
						RGD1561676	5.34536	0	-inf	5.34636	0.001	-12.384341	0.00014386	No
						RGD1561796	0.505332	6.9482	3.78134	0.506332	6.9492	3.77869133	0.00014386	No
						RGD1561909	0.506531	1.57996	1.64116	0.507531	1.58096	1.63923302	0.00014386	No
						RGD1561963	84.8401	9.60319	-3.14316	84.8411	9.60419	-3.1430275	0.00014386	No
						RGD1562037	2.29057	11.6121	2.34185	2.29157	11.6131	2.34134488	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1562084	0	18.2988	inf	0.001	18.2998	14.1595403	0.00014386	No
						RGD1562136	16.2448	30.244	0.89667	16.2458	30.245	0.89662987	0.00014386	No
						RGD1562161	1.6772	0.46705	-1.84441	1.6782	0.46805	-1.8421801	0.00014386	No
						RGD1562178	31.7442	75.5614	1.25116	31.7452	75.5624	1.25113006	0.00014386	No
						RGD1562259	2.2351	0	-inf	2.2361	0.001	-11.126769	0.00014386	No
						RGD1562390	168.719	42.7135	-1.98186	168.72	42.7145	-1.9818332	0.00014386	No
						RGD1562409	6.14797	1.20324	-2.35318	6.14897	1.20424	-2.3522218	0.00014386	No
						RGD1562469	7565.79	1458.37	-2.37514	7565.791	1458.371	-2.3751331	0.00014386	No
						RGD1562618	0	18.8633	inf	0.001	18.8643	14.2033709	0.00014386	No
						RGD1562673	0	1.09786	inf	0.001	1.09886	10.1017919	0.00014386	No
						RGD1562987	56.1484	119.261	1.08681	56.1494	119.262	1.08679192	0.00014386	No
						RGD1563084	1.94554	5.93944	1.61016	1.94654	5.94044	1.6096578	0.00014386	No
						RGD1563150	0	1.10474	inf	0.001	1.10574	10.1107965	0.00014386	No
						RGD1563231	2.3692	0	-inf	2.3702	0.001	-11.210793	0.00014386	No
						RGD1563319	0.101033	7.77054	6.26512	0.102033	7.77154	6.25109277	0.00014386	No
						RGD1563547	0	218.413	inf	0.001	218.414	17.7367058	0.00014386	No
						RGD1563888	51.7475	2.93104	-4.142	51.7485	2.93204	-4.1415404	0.00014386	No
						RGD1563941	9.45379	85.6202	3.17899	9.45479	85.6212	3.17885074	0.00014386	No
						RGD1564074	0	1.47256	inf	0.001	1.47356	10.5250901	0.00014386	No
						RGD1564093	293.6	176.589	-0.733453	293.601	176.59	-0.7334532	0.00014386	No
						RGD1564184	3.36821	0	-inf	3.36921	0.001	-11.718195	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1564212	2.01386	0	-inf	2.01486	0.001	-10.976464	0.00014386	No
						RGD1564379	7.40641	26.9482	1.86334	7.40741	26.9492	1.86320135	0.00014386	No
						RGD1564405	7.47364	0	-inf	7.47464	0.001	-12.867788	0.00014386	No
						RGD1564419	0	9.69448	inf	0.001	9.69548	13.2430966	0.00014386	No
						RGD1564541	14.5415	7.8238	-0.894236	14.5425	7.8248	-0.8941495	0.00014386	No
						RGD1564597	1.86393	0	-inf	1.86493	0.001	-10.864906	0.00014386	No
						RGD1564804	6.99322	12.2929	0.813794	6.99422	12.2939	0.81370757	0.00014386	No
						RGD1565183	6070.09	1593.13	-1.92985	6070.091	1593.131	-1.9298532	0.00014386	No
						RGD1565222	3.42006	7.51381	1.13552	3.42106	7.51481	1.13529322	0.00014386	No
						RGD1565252	2.91129	0	-inf	2.91229	0.001	-11.507938	0.00014386	No
						RGD1565498	4.69618	2.12276	-1.14554	4.69718	2.12376	-1.1451741	0.00014386	No
						RGD1565616	16.036	78.8739	2.29823	16.037	78.8749	2.29816199	0.00014386	No
						RGD1565647	4.0242	0.801512	-2.32791	4.0252	0.802512	-2.3264656	0.00014386	No
						RGD1565660	0	4.38289	inf	0.001	4.38389	12.0979959	0.00014386	No
						RGD1565766	2.00906	4.56465	1.18399	2.01006	4.56565	1.1835817	0.00014386	No
						RGD1565775	45.7522	16.1867	-1.49903	45.7532	16.1877	-1.4989746	0.00014386	No
						RGD1565785	0.714499	0	-inf	0.715499	0.001	-9.4828059	0.00014386	No
						RGD1566099	5.67222	16.6733	1.55555	5.67322	16.6743	1.55538648	0.00014386	No
						RGD1566243	18.5188	1.21272	-3.93268	18.5198	1.21372	-3.931561	0.00014386	No
						RGD1566320	22.9089	37.5608	0.713319	22.9099	37.5618	0.71329504	0.00014386	No
						RGD1566344	480.716	144.57	-1.73342	480.717	144.571	-1.7334096	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						RGD1566368	0.106439	12.9013	6.92134	0.107439	12.9023	6.90796668	0.00014386	No
						RGD1566386	1.91073	3.58232	0.906772	1.91173	3.58332	0.9064181	0.00014386	No
						Rgl2	114.343	55.5297	-1.04203	114.344	55.5307	-1.0420232	0.00014386	No
						Rgmb	0.528197	7.51415	3.83046	0.529197	7.51515	3.82792511	0.00014386	No
						Rgs1	56.9806	14.8848	-1.93663	56.9816	14.8858	-1.9365594	0.00014386	No
						Rgs10	233.387	11.2282	-4.37752	233.388	11.2292	-4.3774033	0.00014386	No
						Rgs11	0.111195	4.35163	5.2904	0.112195	4.35263	5.2778071	0.00014386	No
						Rgs14	44.168	3.72084	-3.5693	44.169	3.72184	-3.5689462	0.00014386	No
						Rgs19	47.7217	5.2759	-3.17715	47.7227	5.2769	-3.1769131	0.00014386	No
						RGS6	0.153971	3.57553	4.53743	0.154971	3.57653	4.52849037	0.00014386	No
						Rgs9	1.12333	3.86424	1.7824	1.12433	3.86524	1.78149246	0.00014386	No
						Rhbdd2	8.0031	18.9078	1.24035	8.0041	18.9088	1.24024671	0.00014386	No
						Rhbdf1	0.0727427	29.5224	8.66479	0.0737427	29.5234	8.64514292	0.00014386	No
						Rhbdl2	0	5.80862	inf	0.001	5.80962	12.5042281	0.00014386	No
						Rhbdl3	0.248601	11.8285	5.57229	0.249601	11.8295	5.56662157	0.00014386	No
						Rhbg	1.46883	13.1437	3.16163	1.46983	13.1447	3.16076001	0.00014386	No
						Rheb	80.8192	154.948	0.939018	80.8202	154.949	0.93900562	0.00014386	No
						Rhebl1	11.9972	2.29269	-2.38759	11.9982	2.29369	-2.3870757	0.00014386	No
						Rhoa	492.87	316.884	-0.637255	492.871	316.885	-0.6372507	0.00014386	No
						Rhob	37.2572	230.34	2.62817	37.2582	230.341	2.62814135	0.00014386	No
						Rhobtb2	2.16449	4.31035	0.993778	2.16549	4.31135	0.99344618	0.00014386	No
						Rhod	0	44.8558	inf	0.001	44.8568	15.4530391	0.00014386	No
						Rhof	113.486	21.7236	-2.38518	113.487	21.7246	-2.3851255	0.00014386	No
						Rhog	264.838	51.2003	-2.37089	264.839	51.2013	-2.3708632	0.00014386	No
						Rhoq	5.93691	17.4114	1.55225	5.93791	17.4124	1.55208794	0.00014386	No
						Rhot2	29.0802	47.6843	0.713476	29.0812	47.6853	0.71345779	0.00014386	No
						Rhov	0.340637	1.46867	2.1082	0.341637	1.46967	2.10495611	0.00014386	No
						Ribc1	1.43151	6.17005	2.10775	1.43251	6.17105	2.10697077	0.00014386	No
						Ric8b	13.6242	8.77913	-0.634017	13.6252	8.78013	-0.6339632	0.00014386	No
						Rictor	17.75	2.32866	-2.93025	17.751	2.32966	-2.929709	0.00014386	No
						Rif1	10.0693	4.20881	-1.25848	10.0703	4.20981	-1.2582796	0.00014386	No
						Rilp	0.498221	18.7148	5.23125	0.499221	18.7158	5.22843428	0.00014386	No
						Rilpl2	272.269	84.8376	-1.68226	272.27	84.8386	-1.6822453	0.00014386	No
						Rims2	0.0198682	0.928727	5.54672	0.0208682	0.929727	5.47742908	0.00014386	No
						Rin2	0.0942829	35.8477	8.57067	0.0952829	35.8487	8.55548776	0.00014386	No
						Rin3	39.5638	11.1653	-1.82515	39.5648	11.1663	-1.8250662	0.00014386	No
						Ring1	35.439	50.9173	0.522816	35.44	50.9183	0.52280565	0.00014386	No
						Rinl	31.7494	4.65086	-2.77116	31.7504	4.65186	-2.7708952	0.00014386	No
						Riok1	25.7734	12.189	-1.0803	25.7744	12.19	-1.0802407	0.00014386	No
						Riok2	16.733	10.1206	-0.725399	16.734	10.1216	-0.725345	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Riok3	43.1994	27.6588	-0.643274	43.2004	27.6598	-0.6432539	0.00014386	No
						Ripk1	20.2232	10.5593	-0.937495	20.2242	10.5603	-0.9374318	0.00014386	No
						Ripk2	15.3194	3.67563	-2.0593	15.3204	3.67663	-2.0589981	0.00014386	No
						Ripk3	32.9572	10.519	-1.6476	32.9582	10.52	-1.6475027	0.00014386	No
						Rlf	20.8722	4.04374	-2.36782	20.8732	4.04474	-2.3675329	0.00014386	No
						Rmdn1	3.16388	34.9547	3.46572	3.16488	34.9557	3.46530502	0.00014386	No
						Rmdn2	0.922901	2.80696	1.60476	0.923901	2.80796	1.60371221	0.00014386	No
						Rmdn3	8.0347	15.7885	0.974554	8.0357	15.7895	0.97446988	0.00014386	No
						Rmnd1	30.6623	18.3889	-0.737632	30.6633	18.3899	-0.7375993	0.00014386	No
						Rmnd5a	52.8163	26.4511	-0.997653	52.8173	26.4521	-0.9976283	0.00014386	No
						Rnaseh1	22.2148	9.68668	-1.19745	22.2158	9.68768	-1.197363	0.00014386	No
						Rnaseh2b	55.1737	25.7706	-1.09826	55.1747	25.7716	-1.0982248	0.00014386	No
						Rnasek	115.81	345.406	1.57654	115.811	345.407	1.57652503	0.00014386	No
						Rnd1	0.565283	6.19313	3.45363	0.566283	6.19413	3.45130654	0.00014386	No
						Rnd3	0.1275	19.7471	7.275	0.1285	19.7481	7.26380169	0.00014386	No
						Rnf103	7.34017	13.9196	0.923237	7.34117	13.9206	0.92313948	0.00014386	No
						Rnf111	28.2274	9.42734	-1.58217	28.2284	9.42834	-1.5820717	0.00014386	No
						Rnf113a1	7.65456	3.65499	-1.06645	7.65556	3.65599	-1.0662458	0.00014386	No
						Rnf115	52.4761	20.1391	-1.38166	52.4771	20.1401	-1.3816171	0.00014386	No
						Rnf11l	1.78448	5.67862	1.67003	1.78548	5.67962	1.66948243	0.00014386	No
						RNF125	24.9963	0.992108	-4.65507	24.9973	0.993108	-4.6536778	0.00014386	No
						Rnf128	0.0594778	35.6653	9.22796	0.0604778	35.6663	9.20394018	0.00014386	No
						Rnf13	45.9463	29.7471	-0.627197	45.9473	29.7481	-0.6271826	0.00014386	No
						Rnf135	12.245	4.18023	-1.55054	12.246	4.18123	-1.5503113	0.00014386	No
						Rnf138	21.5994	5.72297	-1.91616	21.6004	5.72397	-1.91597	0.00014386	No
						Rnf14	90.4921	29.5093	-1.61662	90.4931	29.5103	-1.6165892	0.00014386	No
						rnf141	4.00034	11.4959	1.52292	4.00134	11.4969	1.52268978	0.00014386	No
						Rnf144a	2.79008	0.841035	-1.73007	2.79108	0.842035	-1.7288714	0.00014386	No
						Rnf144b	2.24331	3.92716	0.807859	2.24431	3.92816	0.80758173	0.00014386	No
						Rnf145	90.7489	14.3405	-2.66179	90.7499	14.3415	-2.6617001	0.00014386	No
						Rnf146	41.4752	16.7441	-1.3086	41.4762	16.7451	-1.3085447	0.00014386	No
						Rnf149	37.5933	18.663	-1.0103	37.5943	18.664	-1.0102557	0.00014386	No
						Rnf157	26.7463	1.83448	-3.86589	26.7473	1.83548	-3.865164	0.00014386	No
						Rnf167	124.864	53.8246	-1.21402	124.865	53.8256	-1.2140047	0.00014386	No
						Rnf168	10.6369	5.64028	-0.915243	10.6379	5.64128	-0.9151189	0.00014386	No
						Rnf169	3.60756	0.568246	-2.66643	3.60856	0.569246	-2.6642991	0.00014386	No
						Rnf180	0	1.34864	inf	0.001	1.34964	10.3983589	0.00014386	No
						Rnf181	41.9176	67.7832	0.693372	41.9186	67.7842	0.6933585	0.00014386	No
						Rnf183	0	32.2273	inf	0.001	32.2283	14.9760405	0.00014386	No
						Rnf185	5.67484	16.9024	1.57458	5.67584	16.9034	1.57440764	0.00014386	No
						Rnf187	77.1239	109.013	0.499244	77.1249	109.014	0.4992448	0.00014386	No
						Rnf19a	11.4114	16.8421	0.561599	11.4124	16.8431	0.56155547	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rnf19b	38.845	12.665	-1.61688	38.846	12.666	-1.6168051	0.00014386	No
						Rnf2	29.007	9.4125	-1.62375	29.008	9.4135	-1.6236477	0.00014386	No
						Rnf20	22.0945	9.12035	-1.27653	22.0955	9.12135	-1.2764333	0.00014386	No
						Rnf208	2.00282	25.4182	3.66575	2.00382	25.4192	3.6650938	0.00014386	No
						Rnf213	48.8096	10.0069	-2.28617	48.8106	10.0079	-2.2860552	0.00014386	No
						Rnf214	10.1848	15.5641	0.611803	10.1858	15.5651	0.61175555	0.00014386	No
						Rnf215	7.99997	16.0542	1.00488	8.00097	16.0552	1.00479382	0.00014386	No
						Rnf217	4.32586	12.011	1.4733	4.32686	12.012	1.47308403	0.00014386	No
						Rnf219	5.01549	1.32429	-1.92117	5.01649	1.32529	-1.9203702	0.00014386	No
						Rnf220	94.8029	36.13	-1.39174	94.8039	36.131	-1.3917092	0.00014386	No
						Rnf38	26.1461	7.40986	-1.81908	26.1471	7.41086	-1.8189381	0.00014386	No
						Rnf41	6.50926	10.7701	0.726467	6.51026	10.7711	0.72637853	0.00014386	No
						Rnf43	2.13332	4.52234	1.08397	2.13432	4.52334	1.08361194	0.00014386	No
						Rnf44	80.8038	21.0807	-1.9385	80.8048	21.0817	-1.9384498	0.00014386	No
						Rnf5	38.0137	123.539	1.70037	38.0147	123.54	1.70034892	0.00014386	No
						Rnf7	23.9933	38.7763	0.692546	23.9943	38.7773	0.69252063	0.00014386	No
						Rnft1	18.9961	5.57717	-1.76809	18.9971	5.57817	-1.7679154	0.00014386	No
						Rnls	4.80939	10.7423	1.15938	4.81039	10.7433	1.15921144	0.00014386	No
						RNMT	23.7266	5.20042	-2.18981	23.7276	5.20142	-2.1895887	0.00014386	No
						Rnpep	8.9262	55.5547	2.63779	8.9272	55.5557	2.63765529	0.00014386	No
						Rnps1	153.356	73.091	-1.06912	153.357	73.092	-1.0691086	0.00014386	No
						Robo3	0	5.01791	inf	0.001	5.01891	12.2931584	0.00014386	No
						Rock1	31.0288	8.01479	-1.95287	31.0298	8.01579	-1.9527378	0.00014386	No
						Romo1	137.73	376.293	1.45002	137.731	376.294	1.45000697	0.00014386	No
						Ror1	0	1.97868	inf	0.001	1.97968	10.9510515	0.00014386	No
						RORC	1.82772	15.3613	3.07119	1.82872	15.3623	3.07048813	0.00014386	No
						Rp2	7.34014	4.11984	-0.833217	7.34114	4.12084	-0.8330657	0.00014386	No
						Rpa2	54.4533	11.8438	-2.20089	54.4543	11.8448	-2.2007921	0.00014386	No
						Rpap1	10.6698	4.01149	-1.41133	10.6708	4.01249	-1.4110986	0.00014386	No
						Rpap2	24.7834	10.5978	-1.22561	24.7844	10.5988	-1.2255314	0.00014386	No
						Rpap3	33.4889	17.2611	-0.956155	33.4899	17.2621	-0.9561181	0.00014386	No
						Rpe	21.8245	14.0874	-0.631542	21.8255	14.0884	-0.6315069	0.00014386	No
						Rpf2	34.906	11.7802	-1.56711	34.907	11.7812	-1.5670299	0.00014386	No
						RPGR	2.90955	5.33356	0.874302	2.91055	5.33456	0.87407748	0.00014386	No
						Rpia	19.6018	11.9954	-0.708509	19.6028	11.9964	-0.7084582	0.00014386	No
						Rpl10	3175.04	759.781	-2.06312	3175.041	759.782	-2.0631178	0.00014386	No
						RPL12	3640.41	641.428	-2.50474	3640.411	641.429	-2.5047399	0.00014386	No
						Rpl13a	6685.27	1834.35	-1.86572	6685.271	1834.351	-1.8657163	0.00014386	No
						Rpl14	3345.63	905.842	-1.88495	3345.631	905.843	-1.8849454	0.00014386	No
						Rpl15	3137.77	510.163	-2.62071	3137.771	510.164	-2.6207071	0.00014386	No
						Rpl17	6040.16	1084.62	-2.4774	6040.161	1084.621	-2.477396	0.00014386	No
						Rpl18	2869.54	1023.66	-1.48708	2869.541	1023.661	-1.487082	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rpl19	6223.71	1552.79	-2.00291	6223.711	1552.791	-2.0029114	0.00014386	No
						Rpl21	845.521	185.072	-2.19176	845.522	185.073	-2.1917479	0.00014386	No
						Rpl22	1846.23	431.562	-2.09694	1846.231	431.563	-2.09694	0.00014386	No
						Rpl22l1	383.606	159.63	-1.26489	383.607	159.631	-1.2648882	0.00014386	No
						Rpl23	6865.42	1140.69	-2.58944	6865.421	1140.691	-2.5894402	0.00014386	No
						Rpl23a	5669.33	1141.4	-2.31237	5669.331	1141.401	-2.3123728	0.00014386	No
						Rpl24	4988.88	1121.26	-2.15359	4988.881	1121.261	-2.1535941	0.00014386	No
						RPL26	8826.14	1742.62	-2.34052	8826.141	1742.621	-2.340524	0.00014386	No
						Rpl27	3991.74	1160.55	-1.78221	3991.741	1160.551	-1.7822082	0.00014386	No
						Rpl27a	2604.22	660.595	-1.97901	2604.221	660.596	-1.9790117	0.00014386	No
						Rpl29	3684.09	1082.68	-1.7667	3684.091	1082.681	-1.7667005	0.00014386	No
						Rpl3	2939.37	673.22	-2.12636	2939.371	673.221	-2.1263554	0.00014386	No
						Rpl30	7794.99	1326.3	-2.55514	7794.991	1326.301	-2.5551391	0.00014386	No
						Rpl31	3056.95	474.712	-2.68697	3056.951	474.713	-2.686966	0.00014386	No
						Rpl32	7585.2	1539.05	-2.30114	7585.201	1539.051	-2.3011464	0.00014386	No
						Rpl32-ps1	20.2541	5.78696	-1.80734	20.2551	5.78796	-1.8071584	0.00014386	No
						Rpl34	4907.47	1213.02	-2.01638	4907.471	1213.021	-2.0163752	0.00014386	No
						Rpl35	10040	2323	-2.11169	10040.001	2323.001	-2.1116977	0.00014386	No
						Rpl35a	1683.08	235.326	-2.83837	1683.081	235.327	-2.8383658	0.00014386	No
						Rpl36	3636.77	1486.97	-1.29028	3636.771	1486.971	-1.2902816	0.00014386	No
						Rpl36a	3534.38	434.856	-3.02285	3534.381	434.857	-3.0228446	0.00014386	No
						Rpl36al	1228.69	669.179	-0.876663	1228.691	669.18	-0.8766559	0.00014386	No
						Rpl36-ps3	59.7516	7.75314	-2.94612	59.7526	7.75414	-2.9459628	0.00014386	No
						Rpl37	4690.96	1152.43	-2.0252	4690.961	1152.431	-2.0252031	0.00014386	No
						RPL37A	7139.98	1239.54	-2.52611	7139.981	1239.541	-2.5261142	0.00014386	No
						Rpl39	6871.79	1483.5	-2.21168	6871.791	1483.501	-2.2116803	0.00014386	No
						Rpl4	3560.42	576.699	-2.62616	3560.421	576.7	-2.6261549	0.00014386	No
						Rpl41	17353.6	6805.36	-1.3505	17353.601	6805.361	-1.3504915	0.00014386	No
						Rpl5	5440.45	875.489	-2.63556	5440.451	875.49	-2.6355636	0.00014386	No
						Rpl7	5086.51	1046.42	-2.28121	5086.511	1046.421	-2.281213	0.00014386	No
						Rpl7l1	68.8979	37.9347	-0.86094	68.8989	37.9357	-0.8609248	0.00014386	No
						Rpl8	420.321	96.4621	-2.12346	420.322	96.4631	-2.1234459	0.00014386	No
						Rpl9	5903.85	1155.23	-2.35348	5903.851	1155.231	-2.3534749	0.00014386	No
						Rplp1	2202.51	544.706	-2.0156	2202.511	544.707	-2.0155969	0.00014386	No
						RPLP2	134.723	768.168	2.51142	134.724	768.169	2.51141687	0.00014386	No
						Rpp21	135.974	50.6253	-1.42541	135.975	50.6263	-1.4253825	0.00014386	No
						Rpp30	15.1864	9.32783	-0.70317	15.1874	9.32883	-0.7031069	0.00014386	No
						Rpp40	37.1799	13.6878	-1.44163	37.1809	13.6888	-1.4415657	0.00014386	No
						Rprd1b	6.54765	9.57748	0.54867	6.54865	9.57848	0.54859921	0.00014386	No
						Rprd2	15.1552	2.2765	-2.73493	15.1562	2.2775	-2.7343851	0.00014386	No
						Rps10	2814	662.161	-2.08737	2814.001	662.162	-2.0873667	0.00014386	No
						Rps10l1	247.556	64.4168	-1.94225	247.557	64.4178	-1.9422294	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rps11	8925.3	1151.17	-2.9548	8925.301	1151.171	-2.9547987	0.00014386	No
						Rps12	6855.25	1523.9	-2.16944	6855.251	1523.901	-2.1694403	0.00014386	No
						RPS13	31.1057	3.43613	-3.17833	31.1067	3.43713	-3.177949	0.00014386	No
						Rps14	4244.16	917.548	-2.20962	4244.161	917.549	-2.2096223	0.00014386	No
						Rps15	6462.97	1403.65	-2.20301	6462.971	1403.651	-2.2030132	0.00014386	No
						Rps15a	6462.37	959.628	-2.75152	6462.371	959.629	-2.7515149	0.00014386	No
						Rps15a4	45.1664	11.6606	-1.95361	45.1674	11.6616	-1.9535161	0.00014386	No
						Rps16	6502.89	1155.33	-2.49277	6502.891	1155.331	-2.492775	0.00014386	No
						Rps18	9022.13	1696.06	-2.41128	9022.131	1696.061	-2.4112802	0.00014386	No
						Rps19bp1	70.8201	102.149	0.528443	70.8211	102.15	0.52843805	0.00014386	No
						Rps2	3142.34	837.45	-1.90776	3142.341	837.451	-1.9077631	0.00014386	No
						Rps20	3785.61	1091.53	-1.79418	3785.611	1091.531	-1.7941731	0.00014386	No
						Rps21	4569.89	1196.25	-1.93364	4569.891	1196.251	-1.9336396	0.00014386	No
						Rps23	8293.25	1246.33	-2.73425	8293.251	1246.331	-2.7342505	0.00014386	No
						Rps24	10203.2	1749.04	-2.54439	10203.201	1749.041	-2.5443858	0.00014386	No
						Rps25	3918.94	805.619	-2.2823	3918.941	805.62	-2.2822924	0.00014386	No
						Rps26	5407.51	1275.25	-2.08419	5407.511	1275.251	-2.0841835	0.00014386	No
						Rps27	16816.3	2722.77	-2.62672	16816.301	2722.771	-2.6267128	0.00014386	No
						Rps27a	5563.64	987.681	-2.49391	5563.641	987.682	-2.4939108	0.00014386	No
						Rps27l	105.52	245.439	1.21785	105.521	245.44	1.21784025	0.00014386	No
						Rps27l3	200.785	36.7334	-2.45049	200.786	36.7344	-2.4504551	0.00014386	No
						Rps28	7037.28	1936.01	-1.86193	7037.281	1936.011	-1.861931	0.00014386	No
						RPS2-PS6	5.24202	1.7089	-1.61706	5.24302	1.7099	-1.6164861	0.00014386	No
						Rps3	4968.11	835.014	-2.57282	4968.111	835.015	-2.5728234	0.00014386	No
						Rps3a	5646.6	785.754	-2.84523	5646.601	785.755	-2.8452312	0.00014386	No
						Rps4x	399.014	118.666	-1.74953	399.015	118.667	-1.7495242	0.00014386	No
						RPS5	3299.67	778.155	-2.08419	3299.671	778.156	-2.0841909	0.00014386	No
						RPS6	909.2	134.639	-2.7555	909.201	134.64	-2.7554922	0.00014386	No
						Rps6ka1	110.197	42.6422	-1.36973	110.198	42.6432	-1.3697104	0.00014386	No
						Rps6ka4	5.61267	16.1356	1.52348	5.61367	16.1366	1.52332047	0.00014386	No
						Rps6ka5	2.02097	1.2	-0.752015	2.02197	1.201	-0.7515254	0.00014386	No
						Rps6kb1	24.6211	8.51526	-1.53177	24.6221	8.51626	-1.5316619	0.00014386	No
						Rps6kl1	0.174294	2.54395	3.86747	0.175294	2.54495	3.85978879	0.00014386	No
						RPS7	282.007	98.1451	-1.52274	282.008	98.1461	-1.5227332	0.00014386	No
						RPS9	487.597	237.324	-1.03883	487.598	237.325	-1.0388281	0.00014386	No
						Rpsa	3968.53	1285.55	-1.62621	3968.531	1285.551	-1.6262182	0.00014386	No
						Rptor	3.1911	4.58797	0.523801	3.1921	4.58897	0.52366453	0.00014386	No
						Rqcd1	20.8326	7.50164	-1.47356	20.8336	7.50264	-1.4734419	0.00014386	No
						RragB	1.29501	3.30945	1.35363	1.29601	3.31045	1.35295049	0.00014386	No
						Rragc	26.0404	38.1746	0.551861	26.0414	38.1756	0.55184382	0.00014386	No
						Rragd	2.87867	27.3198	3.24647	2.87967	27.3208	3.24602433	0.00014386	No
						Rras2	76.5507	39.4659	-0.95581	76.5517	39.4669	-0.9557912	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rrbp1	15.426	32.6713	1.08266	15.427	32.6723	1.08261048	0.00014386	No
						Rrn3	6.15902	3.37993	-0.865709	6.16002	3.38093	-0.8655149	0.00014386	No
						Rrnad1	13.4733	5.07535	-1.40852	13.4743	5.07635	-1.4083469	0.00014386	No
						Rrp12	14.3846	3.48822	-2.04396	14.3856	3.48922	-2.0436489	0.00014386	No
						Rrp15	45.3538	68.3942	0.592653	45.3548	68.3952	0.59263984	0.00014386	No
						Rrp1b	8.40458	3.82918	-1.13414	8.40558	3.83018	-1.1339352	0.00014386	No
						Rrp7a	33.6313	21.2798	-0.660322	33.6323	21.2808	-0.6602951	0.00014386	No
						Rrp8	4.58305	2.34862	-0.964492	4.58405	2.34962	-0.9641953	0.00014386	No
						Rrp9	24.7362	12.6685	-0.965376	24.7372	12.6695	-0.9653226	0.00014386	No
						Rrs1	15.1565	7.36691	-1.0408	15.1575	7.36791	-1.0407045	0.00014386	No
						Rsad2	0.338634	1.76517	2.38201	0.339634	1.76617	2.37857142	0.00014386	No
						Rsb1	18.6092	2.67896	-2.79627	18.6102	2.67996	-2.7958102	0.00014386	No
						Rsb1l	24.4231	4.36734	-2.48342	24.4241	4.36834	-2.4831483	0.00014386	No
						Rsf1	16.9845	4.36314	-1.96079	16.9855	4.36414	-1.9605344	0.00014386	No
						Rsl24d1	45.4308	28.3085	-0.682438	45.4318	28.3095	-0.6824162	0.00014386	No
						Rsph1	0.153207	11.1647	6.18732	0.154207	11.1657	6.17806163	0.00014386	No
						Rsph3	1.5603	6.20705	1.99208	1.5613	6.20805	1.9913924	0.00014386	No
						Rspry1	11.9529	6.772	-0.819712	11.9539	6.773	-0.8196145	0.00014386	No
						Rsrc1	14.1118	7.67054	-0.879499	14.1128	7.67154	-0.8794161	0.00014386	No
						Rsrc2	69.2519	36.2699	-0.933082	69.2529	36.2709	-0.9330619	0.00014386	No
						Rsu1	33.3025	18.6867	-0.833622	33.3035	18.6877	-0.8335848	0.00014386	No
						RT1-A3	207.084	59.7682	-1.79276	207.085	59.7692	-1.7927489	0.00014386	No
						RT1-CE1	591.534	138.031	-2.09947	591.535	138.032	-2.0994608	0.00014386	No
						RT1-CE10	189.43	71.8224	-1.39916	189.431	71.8234	-1.3991466	0.00014386	No
						RT1-DOa	5.49228	2.70233	-1.0232	5.49328	2.70333	-1.0229302	0.00014386	No
						RT1-DOb	19.1361	0.700816	-4.77111	19.1371	0.701816	-4.7691356	0.00014386	No
						RT1-M3-1	59.6458	12.8892	-2.21026	59.6468	12.8902	-2.2101701	0.00014386	No
						RT1-N3	90.0129	14.4867	-2.6354	90.0139	14.4877	-2.6353192	0.00014386	No
						RT1-S3	106.392	15.9408	-2.73859	106.393	15.9418	-2.7385168	0.00014386	No
						Rtcd1	18.0757	33.2487	0.87925	18.0767	33.2497	0.87920999	0.00014386	No
						Rtf1	21.5962	14.1905	-0.605853	21.5972	14.1915	-0.6058172	0.00014386	No
						RTN1	0	2.71794	inf	0.001	2.71894	11.4088286	0.00014386	No
						Rtn4	40.6454	182.553	2.16715	40.6464	182.554	2.1671238	0.00014386	No
						Rtn4ip1	3.98669	15.9743	2.00249	3.98769	15.9753	2.00221786	0.00014386	No
						Rtp4	16.4774	8.81834	-0.901911	16.4784	8.81934	-0.9018336	0.00014386	No
						Rttn	3.80876	1.43167	-1.41162	3.80976	1.43267	-1.4109938	0.00014386	No
						Rufy1	23.7314	33.373	0.491886	23.7324	33.374	0.49186661	0.00014386	No
						Rufy3	11.1205	18.7923	0.756918	11.1215	18.7933	0.75686704	0.00014386	No
						Rundc3a	5.69373	1.88082	-1.59801	5.69473	1.88182	-1.5974988	0.00014386	No
						Runx2	2.9916	0.291051	-3.36157	2.9926	0.292051	-3.3571072	0.00014386	No
						Rusc2	0.136895	2.63748	4.26802	0.137895	2.63848	4.258065	0.00014386	No
						Rwdd1	54.7441	37.5069	-0.545549	54.7451	37.5079	-0.5455353	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Rwdd2a	0.423722	10.9124	4.68671	0.424722	10.9134	4.68343798	0.00014386	No
						Rwdd2b	4.23624	6.92556	0.709144	4.23724	6.92656	0.70901419	0.00014386	No
						Rxra	10.7311	18.4762	0.783873	10.7321	18.4772	0.78381375	0.00014386	No
						Rxrg	0.189583	6.60976	5.1237	0.190583	6.61076	5.1163248	0.00014386	No
						RYBP	32.7732	12.8873	-1.34657	32.7742	12.8883	-1.3464986	0.00014386	No
						Ryk	11.4874	24.309	1.08144	11.4884	24.31	1.08137201	0.00014386	No
						S100a10	673.712	514.812	-0.388087	673.713	514.813	-0.3880857	0.00014386	No
						S100a11	51.8799	2435.35	5.55281	51.8809	2435.351	5.5527824	0.00014386	No
						S100a6	58.1936	1466.07	4.65494	58.1946	1466.071	4.65492587	0.00014386	No
						S100pbp	23.4594	5.77909	-2.02125	23.4604	5.78009	-2.0210637	0.00014386	No
						SAAL1	18.7932	43.6664	1.21631	18.7942	43.6674	1.21626913	0.00014386	No
						Sacm1l	11.2777	24.2064	1.10192	11.2787	24.2074	1.10184734	0.00014386	No
						Sacs	5.20898	0.408973	-3.67092	5.20998	0.409973	-3.667677	0.00014386	No
						Safb	89.742	44.0022	-1.02821	89.743	44.0032	-1.028191	0.00014386	No
						SAMD11	0.194677	7.09546	5.18774	0.195677	7.09646	5.18055343	0.00014386	No
						Samd3	7.43994	2.87446	-1.372	7.44094	2.87546	-1.3716921	0.00014386	No
						Samd4a	0	3.48866	inf	0.001	3.48966	11.7688708	0.00014386	No
						Samd4b	6.38685	11.8332	0.889669	6.38785	11.8342	0.88955984	0.00014386	No
						Samd5	0	1.37459	inf	0.001	1.37559	10.4258348	0.00014386	No
						Samd9l	48.1231	15.3112	-1.65215	48.1241	15.3122	-1.652078	0.00014386	No
						Samhd1	73.2792	3.9278	-4.22161	73.2802	3.9288	-4.2212628	0.00014386	No
						Samm50	55.7208	175.649	1.6564	55.7218	175.65	1.65638981	0.00014386	No
						Samsn1	6.70829	2.28126	-1.55611	6.70929	2.28226	-1.5556969	0.00014386	No
						Sap130	13.3231	6.39538	-1.05882	13.3241	6.39638	-1.0587105	0.00014386	No
						Sap30	23.9948	8.61014	-1.47861	23.9958	8.61114	-1.4785058	0.00014386	No
						Sar1b	28.7814	47.9266	0.735689	28.7824	47.9276	0.7356698	0.00014386	No
						SARG	0.121874	37.0974	8.24978	0.122874	37.0984	8.23803348	0.00014386	No
						Sart1	60.8576	44.7157	-0.444656	60.8586	44.7167	-0.4446474	0.00014386	No
						Sart3	28.9883	12.9528	-1.1622	28.9893	12.9538	-1.1621451	0.00014386	No
						Sash3	201.441	4.36604	-5.52789	201.442	4.36704	-5.527565	0.00014386	No
						Sat1	84.4089	498.038	2.56079	84.4099	498.039	2.5607746	0.00014386	No
						Sat2	0.0203758	115.269	12.4659	0.0213758	115.27	12.3967511	0.00014386	No
						Satb1	333.67	3.89104	-6.42212	333.671	3.89204	-6.421756	0.00014386	No
						Sav1	4.09662	28.348	2.79074	4.09762	28.349	2.79043974	0.00014386	No
						Saysd1	10.0159	20.7415	1.05023	10.0169	20.7425	1.05015369	0.00014386	No
						Sbds	31.7253	78.5851	1.30862	31.7263	78.5861	1.30859488	0.00014386	No
						Sbf1	57.9475	25.2534	-1.19827	57.9485	25.2544	-1.1982366	0.00014386	No
						Sbk1	7.86421	2.91318	-1.43271	7.86521	2.91418	-1.4323953	0.00014386	No
						Sbno1	43.8222	13.0956	-1.74258	43.8232	13.0966	-1.7425025	0.00014386	No
						Scaf11	30.7284	12.083	-1.3466	30.7294	12.084	-1.3465215	0.00014386	No
						Scaf8	28.9883	12.0517	-1.26624	28.9893	12.0527	-1.2661641	0.00014386	No
						SCAI	5.60861	1.73489	-1.6928	5.60961	1.73589	-1.6922249	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Scamp1	3.89142	21.3278	2.45437	3.89242	21.3288	2.45406351	0.00014386	No
						Scamp3	108.381	59.9283	-0.854799	108.382	59.9293	-0.8547917	0.00014386	No
						Scand1	59.4211	222.917	1.90746	59.4221	222.918	1.90744162	0.00014386	No
						Scap	20.1231	15.1674	-0.407877	20.1241	15.1684	-0.4078553	0.00014386	No
						SCCPDH	1.07208	41.0322	5.25827	1.07308	41.0332	5.25696213	0.00014386	No
						Scd	59.5051	13.9716	-2.09051	59.5061	13.9726	-2.0904371	0.00014386	No
						Schip1	0.0575726	24.8171	8.75174	0.0585726	24.8181	8.72695102	0.00014386	No
						Scin	1.86993	49.9164	4.73846	1.87093	49.9174	4.7377153	0.00014386	No
						Scly	4.87169	100.057	4.36026	4.87269	100.058	4.35997427	0.00014386	No
						Scml4	76.0287	3.64899	-4.38097	76.0297	3.64999	-4.3805987	0.00014386	No
						Scn1b	0.0878395	22.9121	8.02702	0.0888395	22.9131	8.01075567	0.00014386	No
						Scnm1	14.2403	62.8343	2.14157	14.2413	62.8353	2.14149443	0.00014386	No
						Scnn1g	0	10.4499	inf	0.001	10.4509	13.3513396	0.00014386	No
						Scoc	18.8109	30.8003	0.711373	18.8119	30.8013	0.71134567	0.00014386	No
						Scp2	45.1489	102.813	1.18725	45.1499	102.814	1.18724203	0.00014386	No
						Scrn2	7.48732	17.0009	1.18309	7.48832	17.0019	1.18298199	0.00014386	No
						Scrn3	3.44485	7.00171	1.02326	3.44585	7.00271	1.02305344	0.00014386	No
						Scyl1	23.3081	39.2051	0.750208	23.3091	39.2061	0.75018484	0.00014386	No
						Scyl3	19.7109	7.099	-1.47331	19.7119	7.1	-1.4731759	0.00014386	No
						Sdad1	13.4731	4.45591	-1.59629	13.4741	4.45691	-1.5960732	0.00014386	No
						Sdc1	0.244026	9.90856	5.34357	0.245026	9.90956	5.33781425	0.00014386	No
						SDC3	0.558968	3.43635	2.62004	0.559968	3.43735	2.61788047	0.00014386	No
						Sdcbp	76.6319	130.51	0.76814	76.6329	130.511	0.7681356	0.00014386	No
						Sde2	19.618	7.85373	-1.32073	19.619	7.85473	-1.3206179	0.00014386	No
						Sdf2l1	29.1259	15.7245	-0.889286	29.1269	15.7255	-0.8892463	0.00014386	No
						Sdha	72.9655	236.396	1.69592	72.9665	236.397	1.69590557	0.00014386	No
						Sdhaf2	20.5931	56.9152	1.46665	20.5941	56.9162	1.46660826	0.00014386	No
						Sdhb	96.453	440.954	2.19273	96.454	440.955	2.19271846	0.00014386	No
						Sdhc	76.2468	480.642	2.65621	76.2478	480.643	2.65619811	0.00014386	No
						Sdhd	76.3657	272.265	1.83401	76.3667	272.266	1.83400125	0.00014386	No
						Sec11a	92.12	63.1335	-0.545108	92.121	63.1345	-0.5451015	0.00014386	No
						Sec11c	34.2954	59.9169	0.804948	34.2964	59.9179	0.80492991	0.00014386	No
						Sec14l1	8.80191	23.3428	1.40709	8.80291	23.3438	1.406987	0.00014386	No
						Sec14l2	6.66329	3.12462	-1.09255	6.66429	3.12562	-1.0923088	0.00014386	No
						Sec16b	0.101594	2.02464	4.31678	0.102594	2.02564	4.30335953	0.00014386	No
						Sec22a	6.84261	15.8375	1.21073	6.84361	15.8385	1.21060626	0.00014386	No
						Sec24b	21.676	9.62131	-1.1718	21.677	9.62231	-1.1717099	0.00014386	No
						Sec24d	2.42925	10.2401	2.07564	2.43025	10.2411	2.07519405	0.00014386	No
						Sec31b	2.64957	0.293526	-3.1742	2.65057	0.294526	-3.1698357	0.00014386	No
						Sec61b	123.099	183.827	0.578529	123.1	183.828	0.57852577	0.00014386	No
						Sec62	49.4814	95.5886	0.949951	49.4824	95.5896	0.94993819	0.00014386	No
						Sec63	23.5809	17.5619	-0.425168	23.5819	17.5629	-0.4251489	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Secisbp2	46.6331	21.4202	-1.12238	46.6341	21.4212	-1.122346	0.00014386	No
						Secisbp2l	14.9571	7.26566	-1.04166	14.9581	7.26666	-1.0415626	0.00014386	No
						Sectm1b	0.617013	20.7541	5.07195	0.618013	20.7551	5.06968489	0.00014386	No
						Seh1l	28.2479	21.3651	-0.402887	28.2489	21.3661	-0.4028711	0.00014386	No
						Sel1l	14.2991	8.51037	-0.748627	14.3001	8.51137	-0.748562	0.00014386	No
						Sel1l3	0	1.67991	inf	0.001	1.68091	10.7150268	0.00014386	No
						Selk	90.3089	120.392	0.4148	90.3099	120.393	0.41479546	0.00014386	No
						Sell	810.999	3.84308	-7.72129	811	3.84408	-7.7209197	0.00014386	No
						Selplg	109.79	4.09278	-4.74551	109.791	4.09378	-4.7451824	0.00014386	No
						Selrc1	1.81595	3.2346	0.832866	1.81695	3.2356	0.83251455	0.00014386	No
						Sema3f	0.371928	7.20892	4.27669	0.372928	7.20992	4.27301423	0.00014386	No
						Sema3g	0.377823	6.93072	4.19722	0.378823	6.93172	4.19361755	0.00014386	No
						Sema4a	47.0633	24.8184	-0.92319	47.0643	24.8194	-0.9231649	0.00014386	No
						Sema4c	0.108302	1.13258	3.38647	0.109302	1.13358	3.37449451	0.00014386	No
						Sema4d	54.6727	9.26665	-2.5607	54.6737	9.26765	-2.5605715	0.00014386	No
						Sema4f	1.00376	3.07484	1.61509	1.00476	3.07584	1.61412952	0.00014386	No
						Sema4g	0.497682	3.91513	2.97576	0.498682	3.91613	2.97323662	0.00014386	No
						Sema6a	0.783061	1.76786	1.1748	0.784061	1.76886	1.17378206	0.00014386	No
						Sema6c	0.149009	0.928156	2.63897	0.150009	0.929156	2.63087178	0.00014386	No
						Sema6d	0.0241989	2.77439	6.84109	0.0251989	2.77539	6.78318595	0.00014386	No
						Sema7a	2.13777	25.6861	3.58681	2.13877	25.6871	3.58619077	0.00014386	No
						Senp1	8.36114	5.50263	-0.603578	8.36214	5.50363	-0.6034887	0.00014386	No
						Senp6	51.5366	21.9383	-1.23215	51.5376	21.9393	-1.2321079	0.00014386	No
						Senp7	17.1248	3.29184	-2.37912	17.1258	3.29284	-2.3787671	0.00014386	No
						Senp8	1.23986	5.14185	2.05212	1.24086	5.14285	2.05122772	0.00014386	No
						Sephs2	24.9396	46.8359	0.909179	24.9406	46.8369	0.90914942	0.00014386	No
						Sepn1	0.535251	5.79128	3.4356	0.536251	5.79228	3.43315101	0.00014386	No
						Sepw1	112.52	20.3992	-2.46359	112.521	20.4002	-2.4635391	0.00014386	No
						SERBP1	284.75	92.7982	-1.61753	284.751	92.7992	-1.6175166	0.00014386	No
						Sergef	15.0144	35.6427	1.24726	15.0154	35.6437	1.2472042	0.00014386	No
						Serinc1	48.2621	78.8857	0.708874	48.2631	78.8867	0.7088615	0.00014386	No
						Serinc2	0.209708	43.7124	7.70352	0.210708	43.7134	7.69668669	0.00014386	No
						Serinc5	2.29919	5.12465	1.15633	2.30019	5.12565	1.15598193	0.00014386	No
						Serpinb1a	0.953843	22.4926	4.55956	0.954843	22.4936	4.55810723	0.00014386	No
						Serpinb5	0	1.77607	inf	0.001	1.77707	10.7952848	0.00014386	No
						Serpinb6	2.79324	70.2778	4.65306	2.79424	70.2788	4.65256171	0.00014386	No
						Serpinb6b	255.893	9.48708	-4.75343	255.894	9.48808	-4.7532863	0.00014386	No
						Serpinb9	82.8999	6.42593	-3.68939	82.9009	6.42693	-3.6891861	0.00014386	No
						Serpinc1	0.238288	6.89816	4.85544	0.239288	6.89916	4.84960076	0.00014386	No
						Serpini1	6.79613	0.585591	-3.53675	6.79713	0.586591	-3.5344989	0.00014386	No
						Sertad2	17.0786	6.92992	-1.30128	17.0796	6.93092	-1.3011554	0.00014386	No
						Sesn1	131.906	16.9988	-2.95601	131.907	16.9998	-2.9559314	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sesn2	7.38815	17.8303	1.27105	7.38915	17.8313	1.27093157	0.00014386	No
						Sesn3	54.6306	14.5878	-1.90495	54.6316	14.5888	-1.9048745	0.00014386	No
						Set	225.673	77.8004	-1.53639	225.674	77.8014	-1.5363722	0.00014386	No
						Setd1b	34.9563	8.43865	-2.05047	34.9573	8.43965	-2.0503387	0.00014386	No
						Setd2	41.9841	16.0385	-1.38831	41.9851	16.0395	-1.3882483	0.00014386	No
						Setd3	33.6015	53.692	0.676184	33.6025	53.693	0.67616544	0.00014386	No
						Setd4	15.3303	24.1796	0.657407	15.3313	24.1806	0.65737001	0.00014386	No
						Setd5	23.1221	6.75828	-1.77455	23.1231	6.75928	-1.7743933	0.00014386	No
						Setd7	23.8013	6.96956	-1.7719	23.8023	6.97056	-1.7717545	0.00014386	No
						Setd8	47.8709	25.8313	-0.890028	47.8719	25.8323	-0.890003	0.00014386	No
						Setdb1	22.2879	8.80183	-1.34038	22.2889	8.80283	-1.3402861	0.00014386	No
						Setx	95.2412	8.33084	-3.51505	95.2422	8.33184	-3.5148939	0.00014386	No
						Sf1	181.569	58.7847	-1.62701	181.57	58.7857	-1.6269887	0.00014386	No
						Sf3a1	25.0242	16.6786	-0.585324	25.0252	16.6796	-0.5852969	0.00014386	No
						Sf3a3	63.5642	27.8491	-1.19058	63.5652	27.8501	-1.1905546	0.00014386	No
						Sf3b1	165.925	44.7052	-1.89202	165.926	44.7062	-1.8919931	0.00014386	No
						Sf3b2	89.9234	52.8101	-0.767884	89.9244	52.8111	-0.7678714	0.00014386	No
						Sf3b3	56.8018	17.3315	-1.71254	56.8028	17.3325	-1.7124823	0.00014386	No
						Sf3b5	113.871	168.221	0.562952	113.872	168.222	0.56295335	0.00014386	No
						Sf3b6	102.863	55.5077	-0.889964	102.864	55.5087	-0.8899523	0.00014386	No
						Sfi1	18.1912	114.099	2.64898	18.1922	114.1	2.64890687	0.00014386	No
						Sfn	1.90618	5.58818	1.5517	1.90718	5.58918	1.55119563	0.00014386	No
						Sfpq	143.38	76.948	-0.897885	143.381	76.949	-0.8978794	0.00014386	No
						SFR1	94.8773	31.2539	-1.60203	94.8783	31.2549	-1.6019958	0.00014386	No
						Sft2d1	111.476	59.5481	-0.904603	111.477	59.5491	-0.9045945	0.00014386	No
						Sfta2	0	6.87353	inf	0.001	6.87453	12.7470454	0.00014386	No
						Sfxn1	18.2609	38.4448	1.07403	18.2619	38.4458	1.07398913	0.00014386	No
						Sfxn2	6.75808	17.9491	1.40923	6.75908	17.9501	1.40909309	0.00014386	No
						Sfxn4	8.06198	15.7231	0.963682	8.06298	15.7241	0.9635924	0.00014386	No
						Sgcb	1.24663	3.12981	1.32805	1.24763	3.13081	1.32734581	0.00014386	No
						Sgce	0	50.3131	inf	0.001	50.3141	15.6186751	0.00014386	No
						Sgk1	8.89097	65.0447	2.87102	8.89197	65.0457	2.8708787	0.00014386	No
						Sgms2	0.0792225	5.56286	6.13377	0.0802225	5.56386	6.11593538	0.00014386	No
						Sgpl1	9.44174	3.22984	-1.54759	9.44274	3.23084	-1.5472962	0.00014386	No
						Sgsh	9.65343	2.95596	-1.70742	9.65443	2.95696	-1.7070764	0.00014386	No
						Sgsm2	2.29226	5.78745	1.33615	2.29326	5.78845	1.33577715	0.00014386	No
						Sgsm3	0.853971	9.00403	3.39831	0.854971	9.00503	3.39678369	0.00014386	No
						Sgta	42.5239	103.916	1.28908	42.5249	103.917	1.28905194	0.00014386	No
						Sh2b1	38.7433	25.5637	-0.599852	38.7443	25.5647	-0.599831	0.00014386	No
						Sh2b3	12.1556	5.67011	-1.10017	12.1566	5.67111	-1.1000367	0.00014386	No
						Sh2d1a	55.8735	1.06502	-5.71321	55.8745	1.06602	-5.7118836	0.00014386	No
						Sh2d3c	77.4767	34.8032	-1.15454	77.4777	34.8042	-1.1545197	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sh3bgr1	104.14	60.046	-0.794379	104.141	60.047	-0.7943741	0.00014386	No
						Sh3bgr2	0.21567	21.0205	6.60683	0.21667	21.0215	6.60022239	0.00014386	No
						Sh3bgr3	290.784	98.1006	-1.56761	290.785	98.1016	-1.5676043	0.00014386	No
						Sh3bp1	28.2367	7.91979	-1.83404	28.2377	7.92079	-1.8339064	0.00014386	No
						Sh3bp4	0.220308	10.1867	5.53102	0.221308	10.1877	5.52462897	0.00014386	No
						Sh3bp5	3.77444	50.4507	3.74054	3.77544	50.4517	3.74018619	0.00014386	No
						Sh3bp5l	5.23944	12.1576	1.21437	5.24044	12.1586	1.21421727	0.00014386	No
						Sh3gl1	48.6748	23.196	-1.0693	48.6758	23.197	-1.0692665	0.00014386	No
						Sh3gl3	0.25643	4.60293	4.16592	0.25743	4.60393	4.1606138	0.00014386	No
						Sh3glb1	57.2043	36.4067	-0.651919	57.2053	36.4077	-0.6519052	0.00014386	No
						Sh3glb2	14.1302	29.468	1.06037	14.1312	29.469	1.06031412	0.00014386	No
						Sh3kbp1	159.683	6.23714	-4.67818	159.684	6.23814	-4.67796	0.00014386	No
						Sh3rf2	0	4.84037	inf	0.001	4.84137	12.2411996	0.00014386	No
						Sh3tc1	3.39462	54.7738	4.01216	3.39562	54.7748	4.01176539	0.00014386	No
						Sh3tc2	0	35.0312	inf	0.001	35.0322	15.096394	0.00014386	No
						Sh3yl1	0.525829	35.0361	6.0581	0.526829	35.0371	6.0554048	0.00014386	No
						Shb	5.50431	150.338	4.7715	5.50531	150.339	4.7712517	0.00014386	No
						She	4.64096	2.1651	-1.09999	4.64196	2.1661	-1.0996342	0.00014386	No
						Shf	1.40167	7.57132	2.4334	1.40267	7.57232	2.43255975	0.00014386	No
						Shfm1	157.304	215.756	0.455844	157.305	215.757	0.45584284	0.00014386	No
						Shh	0	8.39967	inf	0.001	8.40067	13.0362887	0.00014386	No
						Shisa5	462.011	78.2207	-2.56231	462.012	78.2217	-2.5622895	0.00014386	No
						Shkbp1	23.9432	13.5281	-0.823658	23.9442	13.5291	-0.8236104	0.00014386	No
						Shmt2	65.9675	42.1683	-0.645596	65.9685	42.1693	-0.6455842	0.00014386	No
						Shoc2	14.0316	7.56737	-0.890818	14.0326	7.56837	-0.8907278	0.00014386	No
						Shpk	4.44554	7.08115	0.671628	4.44654	7.08215	0.67150424	0.00014386	No
						Shprh	5.02629	3.13968	-0.678874	5.02729	3.14068	-0.678704	0.00014386	No
						Shq1	3.30466	0.758378	-2.12351	3.30566	0.759378	-2.1220482	0.00014386	No
						Shroom1	0	0.744643	inf	0.001	0.745643	9.54234125	0.00014386	No
						Shroom2	0	4.30049	inf	0.001	4.30149	12.0706208	0.00014386	No
						Siae	4.34423	6.61969	0.607665	4.34523	6.62069	0.60754904	0.00014386	No
						Siah1a	3.65928	10.5742	1.53092	3.66028	10.5752	1.53065903	0.00014386	No
						Siah2	3.88652	6.47016	0.735323	3.88752	6.47116	0.73517425	0.00014386	No
						Sidt1	9.79451	0.346438	-4.8213	9.79551	0.347438	-4.8172931	0.00014386	No
						Sidt2	45.6308	26.6542	-0.775648	45.6318	26.6552	-0.7756226	0.00014386	No
						Siglec10	1.63007	0.258407	-2.65722	1.63107	0.259407	-2.6525294	0.00014386	No
						Sil1	10.096	30.0188	1.57208	10.097	30.0198	1.57198766	0.00014386	No
						Sipa1	118.617	18.8328	-2.65499	118.618	18.8338	-2.6549269	0.00014386	No
						Sipa1l3	7.44901	18.5195	1.31392	7.45001	18.5205	1.31380878	0.00014386	No
						Sirpa	0.968944	3.21834	1.73183	0.969944	3.21934	1.73079159	0.00014386	No
						Sirt1	19.6436	6.83284	-1.52351	19.6446	6.83384	-1.5233644	0.00014386	No
						Sirt2	55.1447	88.5143	0.682688	55.1457	88.5153	0.68267845	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Sirt3	8.27368	24.5627	1.56987	8.27468	24.5637	1.56975246	0.00014386	No
						Sirt5	28.5583	39.9278	0.483485	28.5593	39.9288	0.4834691	0.00014386	No
						Sirt6	13.3002	23.4134	0.815881	13.3012	23.4144	0.81583966	0.00014386	No
						Sirt7	64.4705	24.1002	-1.4196	64.4715	24.1012	-1.4195566	0.00014386	No
						Sit1	90.0387	4.62275	-4.28372	90.0397	4.62375	-4.2834259	0.00014386	No
						Six5	0.182497	9.71291	5.73396	0.183497	9.71391	5.72622374	0.00014386	No
						Ska2	5.68539	17.5294	1.62444	5.68639	17.5304	1.62427396	0.00014386	No
						Skap1	294.525	21.6379	-3.76676	294.526	21.6389	-3.7666959	0.00014386	No
						Skap2	13.0478	30.1791	1.20974	13.0488	30.1801	1.20968045	0.00014386	No
						Ski	34.1377	19.3999	-0.815314	34.1387	19.4009	-0.8152845	0.00014386	No
						Skida1	0.0941206	1.58501	4.07384	0.0951206	1.58601	4.05950024	0.00014386	No
						Skil	14.2003	9.66993	-0.55434	14.2013	9.67093	-0.5542965	0.00014386	No
						Skp1	206.777	353.46	0.773474	206.778	353.461	0.77346834	0.00014386	No
						Sla	37.642	1.43862	-4.70959	37.643	1.43962	-4.7086217	0.00014386	No
						Slain1	15.0854	3.42747	-2.13794	15.0864	3.42847	-2.1376118	0.00014386	No
						Slamf6	56.1122	0.873953	-6.00461	56.1132	0.874953	-6.0029909	0.00014386	No
						Slamf9	0.154122	3.43768	4.47929	0.155122	3.43868	4.47037965	0.00014386	No
						Slc11a2	14.5684	24.2171	0.733185	14.5694	24.2181	0.73314422	0.00014386	No
						SLC12A1	0.158302	149.416	9.88244	0.159302	149.417	9.87336421	0.00014386	No
						Slc12a2	4.63412	12.5724	1.43989	4.63512	12.5734	1.43969623	0.00014386	No
						Slc12a6	24.1468	3.67575	-2.71572	24.1478	3.67675	-2.7153888	0.00014386	No
						Slc12a7	41.3504	19.5176	-1.08313	41.3514	19.5186	-1.0830866	0.00014386	No
						Slc12a8	0.116612	10.6477	6.51268	0.117612	10.6487	6.50049824	0.00014386	No
						Slc12a9	27.0217	38.3116	0.503662	27.0227	38.3126	0.5036471	0.00014386	No
						Slc13a1	0.0188762	26.0659	10.4314	0.0198762	26.0669	10.3569613	0.00014386	No
						Slc14a1	37.3704	15.5969	-1.26063	37.3714	15.5979	-1.2605828	0.00014386	No
						Slc14a2	0	68.2329	inf	0.001	68.2339	16.0582011	0.00014386	No
						Slc16a1	12.504	6.56375	-0.929801	12.505	6.56475	-0.9296931	0.00014386	No
						Slc16a10	6.47041	2.77068	-1.22362	6.47141	2.77168	-1.2233194	0.00014386	No
						SLC16A11	0.128103	23.5685	7.5234	0.129103	23.5695	7.51225482	0.00014386	No
						Slc16a12	0.024883	33.2895	10.3857	0.025883	33.2905	10.32889	0.00014386	No
						Slc16a13	0.970799	13.4507	3.79236	0.971799	13.4517	3.79098675	0.00014386	No
						Slc16a14	0.0433086	9.60827	7.79348	0.0443086	9.60927	7.76069628	0.00014386	No
						Slc16a6	27.9682	8.65924	-1.69148	27.9692	8.66024	-1.6913601	0.00014386	No
						Slc16a7	0.136934	31.9962	7.86828	0.137934	31.9972	7.85782374	0.00014386	No
						Slc17a1	0	12.0866	inf	0.001	12.0876	13.5612402	0.00014386	No
						Slc17a2	0	3.78996	inf	0.001	3.79096	11.8883475	0.00014386	No
						Slc18b1	0.193626	7.24999	5.22663	0.194626	7.25099	5.21940163	0.00014386	No
						Slc19a1	9.313	34.3649	1.88362	9.314	34.3659	1.88350495	0.00014386	No
						Slc19a2	3.64213	5.90869	0.698056	3.64313	5.90969	0.69790398	0.00014386	No
						Slc1a4	0.346034	1.2292	1.82873	0.347034	1.2302	1.82574396	0.00014386	No
						Slc1a5	18.8552	10.677	-0.820456	18.8562	10.678	-0.8203975	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc20a1	48.2292	12.3129	-1.96974	48.2302	12.3139	-1.969649	0.00014386	No
						Slc20a2	31.5751	19.2749	-0.712069	31.5761	19.2759	-0.7120348	0.00014386	No
						Slc22a1	0	25.0239	inf	0.001	25.0249	14.6110767	0.00014386	No
						Slc22a12	0.0624958	92.2855	10.5281	0.0634958	92.2865	10.5052427	0.00014386	No
						Slc22a15	0.113963	7.50894	6.04197	0.114963	7.50994	6.02955986	0.00014386	No
						Slc22a18	2.79399	38.6649	3.79063	2.79499	38.6659	3.79014677	0.00014386	No
						Slc22a25	0	12.3576	inf	0.001	12.3586	13.5932277	0.00014386	No
						Slc22a5	1.96622	47.1739	4.5845	1.96722	47.1749	4.58378925	0.00014386	No
						Slc22a7	0	1.03645	inf	0.001	1.03745	10.0188261	0.00014386	No
						Slc23a2	15.3211	5.43707	-1.49462	15.3221	5.43807	-1.4944474	0.00014386	No
						Slc23a3	0.402179	2.9295	2.86475	0.403179	2.9305	2.86165444	0.00014386	No
						Slc24a6	5.36543	30.1411	2.48996	5.36643	30.1421	2.48974537	0.00014386	No
						Slc25a1	14.1949	62.5919	2.1406	14.1959	62.5929	2.1405247	0.00014386	No
						Slc25a10	5.57337	122.362	4.45646	5.57437	122.363	4.45621481	0.00014386	No
						Slc25a11	39.9074	146.114	1.87237	39.9084	146.115	1.87233995	0.00014386	No
						Slc25a13	0.503696	25.2453	5.64732	0.504696	25.2463	5.6445135	0.00014386	No
						Slc25a15	4.20165	17.7138	2.07585	4.20265	17.7148	2.07558396	0.00014386	No
						Slc25a17	27.2435	51.1018	0.90746	27.2445	51.1028	0.90743733	0.00014386	No
						Slc25a20	17.5367	35.1575	1.00345	17.5377	35.1585	1.00341396	0.00014386	No
						Slc25a24	2.13475	8.21772	1.94467	2.13575	8.21872	1.94417094	0.00014386	No
						Slc25a28	33.8406	61.885	0.870834	33.8416	61.886	0.8708153	0.00014386	No
						Slc25a29	3.72397	27.5388	2.88655	3.72497	27.5398	2.88621737	0.00014386	No
						Slc25a3	284.976	684.685	1.2646	284.977	684.686	1.26459703	0.00014386	No
						Slc25a30	16.561	79.9165	2.2707	16.562	79.9175	2.27063455	0.00014386	No
						Slc25a35	1.73935	9.9548	2.51684	1.74035	9.9558	2.51615977	0.00014386	No
						Slc25a36l1	70.401	22.3806	-1.65335	70.402	22.3816	-1.6533032	0.00014386	No
						Slc25a38	23.3424	57.6768	1.30504	23.3434	57.6778	1.30500143	0.00014386	No
						Slc25a39	79.3996	179.311	1.17526	79.4006	179.312	1.17525023	0.00014386	No
						Slc25a4	49.9044	307.536	2.62352	49.9054	307.537	2.62349216	0.00014386	No
						Slc25a45	0.511953	20.5684	5.32828	0.512953	20.5694	5.32552926	0.00014386	No
						Slc25a46	30.3022	14.2131	-1.0922	30.3032	14.2141	-1.0921474	0.00014386	No
						Slc25a5	338.378	956.958	1.49982	338.379	956.959	1.49981708	0.00014386	No
						Slc26a10	78.8044	34.6174	-1.18678	78.8054	34.6184	-1.1867554	0.00014386	No
						Slc26a11	7.16183	3.91348	-0.871878	7.16283	3.91448	-0.871709	0.00014386	No
						Slc26a2	2.77179	1.00977	-1.4568	2.77279	1.01077	-1.4558836	0.00014386	No
						Slc26a8	86.1966	30.7391	-1.48756	86.1976	30.7401	-1.4875258	0.00014386	No
						Slc27a1	15.3314	32.3116	1.07556	15.3324	32.3126	1.0755133	0.00014386	No
						Slc28a2	102.862	7.10716	-3.8553	102.863	7.10816	-3.8551042	0.00014386	No
						Slc29a3	2.2705	27.0039	3.57208	2.2715	27.0049	3.571504	0.00014386	No
						Slc2a1	9.50624	46.0728	2.27697	9.50724	46.0738	2.27684811	0.00014386	No
						Slc2a12	0.126161	1.54405	3.61339	0.127161	1.54505	3.60292535	0.00014386	No
						Slc2a8	2.87879	8.09706	1.49193	2.87979	8.09806	1.49161272	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slc2a9	3.40515	1.15219	-1.56334	3.40615	1.15319	-1.5625117	0.00014386	No
						Slc30a2	0.0776653	8.63691	6.7971	0.0786653	8.63791	6.77881108	0.00014386	No
						Slc30a4	1.39917	3.72914	1.41427	1.40017	3.73014	1.41362778	0.00014386	No
						Slc30a5	15.2192	10.1436	-0.585325	15.2202	10.1446	-0.5852753	0.00014386	No
						Slc30a7	10.1255	2.78178	-1.86391	10.1265	2.78278	-1.8635369	0.00014386	No
						Slc31a1	6.24532	21.7091	1.79745	6.24632	21.7101	1.79728799	0.00014386	No
						Slc31a2	7.32384	62.138	3.0848	7.32484	62.139	3.08462987	0.00014386	No
						Slc33a1	12.6044	17.2901	0.456021	12.6054	17.2911	0.45598775	0.00014386	No
						Slc34a1	0.209093	702.049	11.7132	0.210093	702.05	11.70633	0.00014386	No
						Slc34a3	0	15.6	inf	0.001	15.601	13.9293509	0.00014386	No
						Slc35a1	10.4033	19.9372	0.938423	10.4043	19.9382	0.93835527	0.00014386	No
						Slc35a3	8.22923	5.96502	-0.46423	8.23023	5.96602	-0.4641639	0.00014386	No
						Slc35a5	5.70952	3.49059	-0.709898	5.71052	3.49159	-0.709738	0.00014386	No
						Slc35b1	24.7294	34.6727	0.48757	24.7304	34.6737	0.48755622	0.00014386	No
						Slc35b3	51.7445	21.5402	-1.26438	51.7455	21.5412	-1.2643348	0.00014386	No
						Slc35b4	22.6587	8.90888	-1.34675	22.6597	8.90988	-1.3466509	0.00014386	No
						Slc35c1	16.284	9.42948	-0.788201	16.285	9.43048	-0.7881406	0.00014386	No
						Slc35d1	2.33547	5.44082	1.22011	2.33647	5.44182	1.21975872	0.00014386	No
						Slc35d2	10.7515	3.63991	-1.56257	10.7525	3.64091	-1.5623011	0.00014386	No
						Slc35e1	10.7478	7.80583	-0.46142	10.7488	7.80683	-0.4613668	0.00014386	No
						Slc35e2b	7.28754	3.65627	-0.99506	7.28854	3.65727	-0.9948627	0.00014386	No
						Slc35e3	2.53928	8.07477	1.669	2.54028	8.07577	1.6686123	0.00014386	No
						Slc35f5	4.39948	9.22917	1.06887	4.40048	9.23017	1.06869632	0.00014386	No
						Slc37a4	20.0028	46.5387	1.21823	20.0038	46.5397	1.21818782	0.00014386	No
						Slc38a1	32.1172	15.5835	-1.04333	32.1182	15.5845	-1.0432792	0.00014386	No
						Slc38a10	20.3487	12.8438	-0.663863	20.3497	12.8448	-0.6638231	0.00014386	No
						Slc38a9	5.77903	1.50264	-1.94332	5.78003	1.50364	-1.9426178	0.00014386	No
						Slc39a1	9.92315	28.5543	1.52484	9.92415	28.5553	1.5247431	0.00014386	No
						Slc39a10	3.07638	1.02748	-1.58213	3.07738	1.02848	-1.5811889	0.00014386	No
						Slc39a12	0	6.13975	inf	0.001	6.14075	12.5841992	0.00014386	No
						Slc39a13	2.67068	18.667	2.80521	2.67168	18.668	2.80474825	0.00014386	No
						Slc39a14	4.56038	1.30105	-1.80948	4.56138	1.30205	-1.8086855	0.00014386	No
						Slc39a3	4.71175	6.69068	0.505892	4.71275	6.69168	0.5057993	0.00014386	No
						Slc39a6	14.0281	4.59918	-1.60887	14.0291	4.60018	-1.6086602	0.00014386	No
						Slc3a2	39.4974	85.2348	1.10968	39.4984	85.2358	1.10966529	0.00014386	No
						Slc40a1	0.304446	7.78793	4.67698	0.305446	7.78893	4.6724359	0.00014386	No
						Slc41a1	8.92265	3.6361	-1.29508	8.92365	3.6371	-1.2948453	0.00014386	No
						Slc41a3	9.83251	1.83584	-2.42112	9.83351	1.83684	-2.4204805	0.00014386	No
						Slc43a1	17.2708	1.38344	-3.642	17.2718	1.38444	-3.641044	0.00014386	No
						Slc43a2	23.5258	11.9507	-0.977142	23.5268	11.9517	-0.9770893	0.00014386	No
						Slc44a1	0.0978781	25.9836	8.0524	0.0988781	25.9846	8.03779011	0.00014386	No
						Slc45a3	0.28337	8.82308	4.96053	0.28437	8.82408	4.95560469	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						SLC45A4	3.02012	11.3869	1.9147	3.02112	11.3879	1.91434633	0.00014386	No
						Slc46a3	3.90877	1.54655	-1.33766	3.90977	1.54755	-1.3370977	0.00014386	No
						Slc48a1	7.31889	36.1365	2.30376	7.31989	36.1375	2.30360283	0.00014386	No
						Slc4a1	0.0502391	5.2758	6.71444	0.0512391	5.2768	6.68627436	0.00014386	No
						Slc4a11	34.8618	283.659	3.02444	34.8628	283.66	3.02440238	0.00014386	No
						Slc4a4	6.31368	11.7014	0.89013	6.31468	11.7024	0.89002291	0.00014386	No
						Slc4a7	20.5907	1.17209	-4.13483	20.5917	1.17309	-4.1336773	0.00014386	No
						Slc4a9	0.0343312	14.7674	8.74868	0.0353312	14.7684	8.70735507	0.00014386	No
						Slc50a1	74.1813	34.2651	-1.11432	74.1823	34.2661	-1.114293	0.00014386	No
						Slc51b	0	42.9133	inf	0.001	42.9143	15.3891708	0.00014386	No
						Slc52a3	0.519229	2.67221	2.36359	0.520229	2.67321	2.36135445	0.00014386	No
						Slc5a10	0.0542674	48.2682	9.79677	0.0552674	48.2692	9.77045846	0.00014386	No
						Slc5a12	0	6.76558	inf	0.001	6.76658	12.7242111	0.00014386	No
						Slc5a2	0.0920795	13.0464	7.14655	0.0930795	13.0474	7.13108317	0.00014386	No
						Slc5a6	9.56782	27.3544	1.51551	9.56882	27.3554	1.51541272	0.00014386	No
						Slc5a8	0	8.03046	inf	0.001	8.03146	12.9714466	0.00014386	No
						Slc5a9	0	3.17345	inf	0.001	3.17445	11.6322909	0.00014386	No
						Slc6a12	0.519241	31.4956	5.9226	0.520241	31.4966	5.91987219	0.00014386	No
						Slc6a13	0	4.33865	inf	0.001	4.33965	12.083363	0.00014386	No
						Slc6a18	0.0219047	219.721	13.2921	0.0229047	219.722	13.227748	0.00014386	No
						Slc6a8	0.886718	47.2955	5.73708	0.887718	47.2965	5.73548817	0.00014386	No
						Slc7a1	5.23358	1.90171	-1.4605	5.23458	1.90271	-1.4600181	0.00014386	No
						Slc7a12	0	5.82142	inf	0.001	5.82242	12.5074032	0.00014386	No
						Slc7a13	0	58.1027	inf	0.001	58.1037	15.8263424	0.00014386	No
						Slc7a4	0.01993	3.01917	7.24307	0.02093	3.02017	7.17291364	0.00014386	No
						Slc7a6	15.4134	2.87347	-2.42332	15.4144	2.87447	-2.4229109	0.00014386	No
						Slc7a6os	20.8914	12.8893	-0.696733	20.8924	12.8903	-0.6966924	0.00014386	No
						Slc7a7	0.546305	79.6901	7.18855	0.547305	79.6911	7.18592976	0.00014386	No
						Slc7a8	0.199612	7.55121	5.24144	0.200612	7.55221	5.23441907	0.00014386	No
						Slc9a1	52.8077	10.9755	-2.26647	52.8087	10.9765	-2.2663575	0.00014386	No
						Slc9a3r2	0.0604983	58.9042	9.92726	0.0614983	58.9052	9.90363275	0.00014386	No
						Slc9a4	0	0.804147	inf	0.001	0.805147	9.6531084	0.00014386	No
						Slc9a7	12.0863	0.487308	-4.63239	12.0873	0.488308	-4.6295568	0.00014386	No
						Slc9a9	30.0839	0.840009	-5.16244	30.0849	0.841009	-5.1607745	0.00014386	No
						Slco3a1	4.09132	6.12425	0.581969	4.09232	6.12525	0.58184977	0.00014386	No
						Slco4a1	0.666813	10.1558	3.92888	0.667813	10.1568	3.92685795	0.00014386	No
						Slfn13	67.7252	5.13017	-3.72262	67.7262	5.13117	-3.7223543	0.00014386	No
						Slfn2	456.932	23.6333	-4.27309	456.933	23.6343	-4.2730286	0.00014386	No
						Slfn3	21.3036	8.25367	-1.36799	21.3046	8.25467	-1.3678825	0.00014386	No
						Slfn5	158.493	15.8472	-3.32212	158.494	15.8482	-3.3220373	0.00014386	No
						Slk	7.55075	14.8764	0.978337	7.55175	14.8774	0.97823951	0.00014386	No
						Slu7	33.3722	21.0915	-0.661984	33.3732	21.0925	-0.6619599	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Slx4	15.729	6.88157	-1.19262	15.73	6.88257	-1.1924994	0.00014386	No
						Slx4ip	1.77804	0.935264	-0.926841	1.77904	0.936264	-0.9261117	0.00014386	No
						Smad1	1.9169	11.1712	2.54294	1.9179	11.1722	2.5423139	0.00014386	No
						Smad2	26.956	14.3812	-0.906422	26.957	14.3822	-0.9063756	0.00014386	No
						Smad4	88.2335	19.5102	-2.1771	88.2345	19.5112	-2.1770404	0.00014386	No
						Smad5	22.7823	7.9839	-1.51275	22.7833	7.9849	-1.5126305	0.00014386	No
						SMAGP	4.23456	212.598	5.64977	4.23556	212.599	5.64943827	0.00014386	No
						Smadp1	38.5269	24.6302	-0.645439	38.5279	24.6312	-0.6454166	0.00014386	No
						Smadp2	111.55	16.3312	-2.77199	111.551	16.3322	-2.7719124	0.00014386	No
						Smarca2	73.9237	41.5288	-0.831926	73.9247	41.5298	-0.8319096	0.00014386	No
						Smarca5	39.3861	15.8597	-1.31232	39.3871	15.8607	-1.3122668	0.00014386	No
						Smarcad1	15.7698	9.35428	-0.753463	15.7708	9.35528	-0.7534031	0.00014386	No
						Smarca11	16.7473	6.88736	-1.2819	16.7483	6.88836	-1.2817822	0.00014386	No
						Smarcc2	73.6963	38.0819	-0.952486	73.6973	38.0829	-0.9524684	0.00014386	No
						Smarcd1	20.2601	8.47676	-1.25706	20.2611	8.47776	-1.2569575	0.00014386	No
						Smarcd2	47.8199	15.5834	-1.6176	47.8209	15.5844	-1.6175387	0.00014386	No
						Smarcd3	0.132404	36.3618	8.10133	0.133404	36.3628	8.09051756	0.00014386	No
						Smarce1	91.092	60.9581	-0.579505	91.093	60.9591	-0.5794986	0.00014386	No
						Smc1a	46.8646	18.9008	-1.31005	46.8656	18.9018	-1.3100057	0.00014386	No
						Smc2	5.35672	2.46461	-1.11999	5.35772	2.46561	-1.1196746	0.00014386	No
						Smc3	30.8394	17.2806	-0.835625	30.8404	17.2816	-0.8355847	0.00014386	No
						Smc4	183.034	7.53057	-4.60321	183.035	7.53157	-4.6030251	0.00014386	No
						Smc5	10.4413	5.78751	-0.851283	10.4423	5.78851	-0.8511756	0.00014386	No
						Smc6	29.068	14.5417	-0.99924	29.069	14.5427	-0.9991863	0.00014386	No
						Smchd1	64.6604	8.22588	-2.97464	64.6614	8.22688	-2.9744874	0.00014386	No
						Smco4	64.4427	41.8097	-0.624181	64.4437	41.8107	-0.6241671	0.00014386	No
						Smdt1	87.5468	432.519	2.30464	87.5478	432.52	2.30462401	0.00014386	No
						Smek1	60.0899	19.0616	-1.65645	60.0909	19.0626	-1.6564016	0.00014386	No
						Smek2	26.2958	8.5454	-1.62161	26.2968	8.5464	-1.6214985	0.00014386	No
						Smg1	35.7375	5.54465	-2.68827	35.7385	5.54565	-2.6880506	0.00014386	No
						Smg5	29.7547	17.7486	-0.745416	29.7557	17.7496	-0.7453795	0.00014386	No
						Smg7	24.6871	6.93034	-1.83276	24.6881	6.93134	-1.8326096	0.00014386	No
						Smg8	4.004	2.24844	-0.832513	4.005	2.24944	-0.8322364	0.00014386	No
						Smim1	0.408305	61.479	7.2343	0.409305	61.48	7.23079706	0.00014386	No
						Smim11	46.1281	25.8391	-0.836089	46.1291	25.8401	-0.8360655	0.00014386	No
						Smim12	44.862	102.78	1.19599	44.863	102.781	1.19597559	0.00014386	No
						Smim14	49.0085	73.654	0.587732	49.0095	73.655	0.58772204	0.00014386	No
						SMIM15	38.9511	17.9393	-1.11854	38.9521	17.9403	-1.1184971	0.00014386	No
						Smim19	29.8858	60.7324	1.023	29.8868	60.7334	1.0229817	0.00014386	No
						Smim20	34.2018	116.323	1.766	34.2028	116.324	1.76596244	0.00014386	No
						Smim24	7.09718	237.395	5.0639	7.09818	237.396	5.06370266	0.00014386	No
						SMIM5	0.210477	23.4046	6.79698	0.211477	23.4056	6.79020917	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Smim7	27.4208	59.9568	1.12865	27.4218	59.9578	1.12862417	0.00014386	No
						Smn1	29.4936	17.2791	-0.771379	29.4946	17.2801	-0.7713393	0.00014386	No
						SMNDC1	41.6201	26.597	-0.646019	41.6211	26.598	-0.6459973	0.00014386	No
						Smox	15.3714	2.69827	-2.51014	15.3724	2.69927	-2.5097012	0.00014386	No
						Smpd1	26.101	49.6824	0.928633	26.102	49.6834	0.92860355	0.00014386	No
						Smpd2	62.7212	32.7998	-0.935265	62.7222	32.8008	-0.9352452	0.00014386	No
						Smpd13a	31.2458	47.7515	0.611881	31.2468	47.7525	0.61186781	0.00014386	No
						Smpd13b	3.31931	1.21484	-1.45012	3.32031	1.21584	-1.4493646	0.00014386	No
						Smtn	0.138784	31.3124	7.81775	0.139784	31.3134	7.80743712	0.00014386	No
						Smurf1	13.1081	7.9625	-0.719164	13.1091	7.9635	-0.7190941	0.00014386	No
						Smurf2	19.0533	8.41708	-1.17865	19.0543	8.41808	-1.1785535	0.00014386	No
						Snap47	4.70951	8.52391	0.855937	4.71051	8.52491	0.85580134	0.00014386	No
						Snapc2	16.0036	33.8583	1.08111	16.0046	33.8593	1.08106553	0.00014386	No
						Snapc4	2.77622	4.22751	0.606687	2.77722	4.22851	0.60650792	0.00014386	No
						Snd1	44.063	18.0206	-1.28993	44.064	18.0216	-1.2898734	0.00014386	No
						Sned1	0.0265799	22.5763	9.73025	0.0275799	22.5773	9.67704002	0.00014386	No
						Snf8	67.2926	125.905	0.903818	67.2936	125.906	0.90380583	0.00014386	No
						Snn	16.9245	73.8633	2.12574	16.9255	73.8643	2.1256788	0.00014386	No
						Snrk	21.9041	8.79049	-1.31719	21.9051	8.79149	-1.3170872	0.00014386	No
						Snrnp200	36.277	16.2595	-1.15777	36.278	16.2605	-1.1577233	0.00014386	No
						Snrnp25	66.1288	37.3231	-0.825212	66.1298	37.3241	-0.8251931	0.00014386	No
						Snrnp40	36.973	14.0681	-1.39404	36.974	14.0691	-1.3939811	0.00014386	No
						Snrnp48	80.0019	20.1045	-1.99251	80.0029	20.1055	-1.9924621	0.00014386	No
						Snrnp70	555.291	261.723	-1.0852	555.292	261.724	-1.0852004	0.00014386	No
						Snrpa1	41.5541	26.3455	-0.657435	41.5551	26.3465	-0.6574142	0.00014386	No
						Snrpb	153.426	115.658	-0.407677	153.427	115.659	-0.4076749	0.00014386	No
						Snrpb2	86.4478	42.0934	-1.03823	86.4488	42.0944	-1.0382176	0.00014386	No
						Snrpd1	74.6148	52.6815	-0.502166	74.6158	52.6825	-0.5021573	0.00014386	No
						Snrpd2	498.5	233.079	-1.09677	498.501	233.08	-1.0967712	0.00014386	No
						Snrpe11	1188.43	314.001	-1.92021	1188.431	314.002	-1.9202125	0.00014386	No
						Snrpf	164.853	44.6146	-1.88559	164.854	44.6156	-1.8855687	0.00014386	No
						Snrpg	521.524	234.296	-1.1544	521.525	234.297	-1.1543979	0.00014386	No
						Snta1	0.195404	44.7869	7.84048	0.196404	44.7879	7.8331409	0.00014386	No
						Sntb2	1.93252	4.4507	1.20355	1.93352	4.4517	1.20312669	0.00014386	No
						Snurf	0.24513	25.2192	6.68483	0.24613	25.2202	6.67901539	0.00014386	No
						Snw1	61.404	33.3333	-0.881369	61.405	33.3343	-0.8813487	0.00014386	No
						Snx1	37.6504	53.2999	0.501468	37.6514	53.3009	0.50145638	0.00014386	No
						Snx11	8.69151	12.0558	0.472052	8.69251	12.0568	0.47200233	0.00014386	No
						Snx14	20.2675	11.5519	-0.81104	20.2685	11.5529	-0.8109843	0.00014386	No
						Snx15	26.3065	14.7991	-0.829911	26.3075	14.8001	-0.8298672	0.00014386	No
						Snx18	5.09709	8.28334	0.70054	5.09809	8.28434	0.70042992	0.00014386	No
						Snx2	35.4547	67.0586	0.919447	35.4557	67.0596	0.9194263	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Snx20	78.4451	3.77023	-4.37896	78.4461	3.77123	-4.3785947	0.00014386	No
						Snx21	0.49583	16.3207	5.04071	0.49683	16.3217	5.03789523	0.00014386	No
						Snx27	11.7738	6.45129	-0.867921	11.7748	6.45229	-0.8678194	0.00014386	No
						Snx29	7.09937	23.5616	1.73067	7.10037	23.5626	1.73053263	0.00014386	No
						Snx30	0.463858	5.61467	3.59744	0.464858	5.61567	3.59459617	0.00014386	No
						Snx32	11.3186	2.81707	-2.00643	11.3196	2.81807	-2.0060436	0.00014386	No
						Snx4	26.2446	16.8148	-0.642292	26.2456	16.8158	-0.6422582	0.00014386	No
						SNX5	143.62	65.1755	-1.13986	143.621	65.1765	-1.1398429	0.00014386	No
						Snx7	3.67546	26.0883	2.8274	3.67646	26.0893	2.82706904	0.00014386	No
						Snx9	1.55713	49.823	4.99985	1.55813	49.824	4.99895334	0.00014386	No
						Soat1	2.04536	13.3797	2.70962	2.04636	13.3807	2.70902172	0.00014386	No
						Socs1	10.6568	2.12082	-2.32908	10.6578	2.12182	-2.3285355	0.00014386	No
						Socs2	36.3873	2.99914	-3.60081	36.3883	3.00014	-3.6003729	0.00014386	No
						Socs4	5.64013	2.12364	-1.40919	5.64113	2.12464	-1.4087658	0.00014386	No
						Socs5	19.4503	11.033	-0.817963	19.4513	11.034	-0.8179107	0.00014386	No
						Sod1	310.608	1301.2	2.06668	310.609	1301.201	2.0666723	0.00014386	No
						Sod2	25.3544	125.898	2.31195	25.3554	125.899	2.31190188	0.00014386	No
						Sod3	0	54.3273	inf	0.001	54.3283	15.7294163	0.00014386	No
						Soga1	0.241571	10.2583	5.4082	0.242571	10.2593	5.40238141	0.00014386	No
						Soga2	0	1.91437	inf	0.001	1.91537	10.9034074	0.00014386	No
						Sorbs1	0.969226	8.8681	3.19372	0.970226	8.8691	3.19239497	0.00014386	No
						Sorbs3	0.286939	34.1241	6.8939	0.287939	34.1251	6.88892626	0.00014386	No
						Sord	10.9686	126.713	3.53011	10.9696	126.714	3.5299931	0.00014386	No
						Sorl1	26.7094	18.3034	-0.545233	26.7104	18.3044	-0.5452111	0.00014386	No
						Sort1	2.08912	36.3102	4.1194	2.09012	36.3112	4.11875693	0.00014386	No
						Sos1	19.7041	5.43725	-1.85755	19.7051	5.43825	-1.8573547	0.00014386	No
						Sos2	4.7281	7.58657	0.682186	4.7291	7.58757	0.68207227	0.00014386	No
						Sowahc	0.155822	3.75416	4.59052	0.156822	3.75516	4.58167451	0.00014386	No
						Sox17	0	10.2616	inf	0.001	10.2626	13.3251087	0.00014386	No
						Sox9	0	3.76683	inf	0.001	3.76783	11.8795182	0.00014386	No
						Sp1	22.8519	7.23009	-1.66023	22.8529	7.23109	-1.6600922	0.00014386	No
						Sp110	172.925	50.6688	-1.77097	172.926	50.6698	-1.7709568	0.00014386	No
						Sp140	133.179	31.3415	-2.08722	133.18	31.3425	-2.0871853	0.00014386	No
						Sp2	15.4966	8.92799	-0.795544	15.4976	8.92899	-0.7954759	0.00014386	No
						Sp3	34.532	11.5208	-1.58369	34.533	11.5218	-1.5836096	0.00014386	No
						Sp4	7.80625	1.6891	-2.20837	7.80725	1.6901	-2.2077059	0.00014386	No
						Spa17	1.92915	43.822	4.50562	1.93015	43.823	4.50490338	0.00014386	No
						Spaca6	0.728011	18.7549	4.68716	0.729011	18.7559	4.6852601	0.00014386	No
						Sparc	8.30971	129.16	3.95821	8.31071	129.161	3.95805497	0.00014386	No
						Spast	24.0904	13.6475	-0.819816	24.0914	13.6485	-0.8197758	0.00014386	No
						Spata13	61.8944	5.47324	-3.49934	61.8954	5.47424	-3.4991016	0.00014386	No
						Spata17	0	1.37018	inf	0.001	1.37118	10.4212023	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Spata24	0.687888	16.726	4.60378	0.688888	16.727	4.60176546	0.00014386	No
						Spata5	8.51481	2.81381	-1.59745	8.51581	2.81481	-1.5971062	0.00014386	No
						Spata5l1	5.3687	1.77477	-1.59694	5.3697	1.77577	-1.5963968	0.00014386	No
						Spata6	19.4066	6.4076	-1.59869	19.4076	6.4086	-1.5985406	0.00014386	No
						Spats2l	0.0630698	12.2329	7.59961	0.0640698	12.2339	7.57702419	0.00014386	No
						Spcs1	191.62	131.452	-0.543713	191.621	131.453	-0.5437086	0.00014386	No
						Spcs2	92.5115	23.3033	-1.9891	92.5125	23.3043	-1.9890521	0.00014386	No
						Spcs3	57.5271	17.2733	-1.7357	57.5281	17.2743	-1.7356396	0.00014386	No
						Specc1	0.823242	8.61482	3.38743	0.824242	8.61582	3.38584823	0.00014386	No
						Specc1l	10.4738	7.5797	-0.466576	10.4748	7.5807	-0.4665197	0.00014386	No
						Spg20	8.88112	15.4832	0.801889	8.88212	15.4842	0.80182088	0.00014386	No
						Sphk1	5.32556	43.653	3.03507	5.32656	43.654	3.03483784	0.00014386	No
						Spib	3.10138	0.371861	-3.06008	3.10238	0.372861	-3.0566656	0.00014386	No
						Spin1	11.2768	18.5773	0.720181	11.2778	18.5783	0.72013283	0.00014386	No
						Spink8	0	0.861359	inf	0.001	0.862359	9.75214478	0.00014386	No
						Spint2	95.7482	907.548	3.24466	95.7492	907.549	3.2446432	0.00014386	No
						Spire1	1.24154	15.4582	3.63817	1.24254	15.4592	3.63710146	0.00014386	No
						Spns1	26.1829	60.4845	1.20794	26.1839	60.4855	1.20790933	0.00014386	No
						Spns2	8.04642	27.05	1.74921	8.04742	27.051	1.74908369	0.00014386	No
						Spns3	0.380848	8.23995	4.43535	0.381848	8.24095	4.43174029	0.00014386	No
						Spop	51.0415	31.4351	-0.699296	51.0425	31.4361	-0.6992767	0.00014386	No
						Spopl	4.53974	6.64361	0.549357	4.54074	6.64461	0.54925709	0.00014386	No
						Spp1	1.09316	10275.3	13.1984	1.09416	10275.301	13.1970693	0.00014386	No
						Spp2	0	158.525	inf	0.001	158.526	17.27436	0.00014386	No
						SPPL2A	11.6828	5.83978	-1.0004	11.6838	5.84078	-1.0002766	0.00014386	No
						Spr	15.2604	43.3445	1.50606	15.2614	43.3455	1.50599491	0.00014386	No
						Sprtn	8.68013	3.73025	-1.21844	8.68113	3.73125	-1.2182238	0.00014386	No
						Spry1	0.651456	16.4161	4.6553	0.652456	16.4171	4.65317488	0.00014386	No
						Spryd7	1.94432	34.87	4.16465	1.94532	34.871	4.16394834	0.00014386	No
						Spsb2	4.34128	11.4953	1.40485	4.34228	11.4963	1.40464495	0.00014386	No
						Sqle	4.37624	12.0387	1.45992	4.37724	12.0397	1.45970605	0.00014386	No
						Sqrdl	2.62141	19.1037	2.86544	2.62241	19.1047	2.86496244	0.00014386	No
						SQSTM1	146.432	227.02	0.632592	146.433	227.021	0.63258504	0.00014386	No
						Srbd1	13.8716	8.90907	-0.638789	13.8726	8.91007	-0.6387295	0.00014386	No
						Src	5.71701	19.628	1.77958	5.71801	19.629	1.77940163	0.00014386	No
						Srcap	64.1058	37.4896	-0.773966	64.1068	37.4906	-0.7739485	0.00014386	No
						Srcin1	66.0408	11.383	-2.53647	66.0418	11.384	-2.5363719	0.00014386	No
						Srcrb4d	1.43796	6.44224	2.16354	1.43896	6.44324	2.16275984	0.00014386	No
						Srd5a1	0.542089	5.75548	3.40833	0.543089	5.75648	3.40592635	0.00014386	No
						Srd5a3	37.8184	10.4032	-1.86207	37.8194	10.4042	-1.8619604	0.00014386	No
						Srebf2	39.871	16.903	-1.23807	39.872	16.904	-1.2380113	0.00014386	No
						Srek1	43.2062	24.9214	-0.793857	43.2072	24.9224	-0.7938287	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Srfbp1	19.7968	11.5112	-0.782234	19.7978	11.5122	-0.7821766	0.00014386	No
						Srgap2	16.7854	7.79326	-1.10691	16.7864	7.79426	-1.1068089	0.00014386	No
						Srgap3	0.86611	4.85718	2.4875	0.86711	4.85818	2.48612902	0.00014386	No
						Srgn	196.507	24.5406	-3.00134	196.508	24.5416	-3.0012868	0.00014386	No
						Sri	124.857	91.3844	-0.450259	124.858	91.3854	-0.4502527	0.00014386	No
						Srp72	74.037	35.3723	-1.06563	74.038	35.3733	-1.0656051	0.00014386	No
						Srp9	48.6551	64.3103	0.402457	48.6561	64.3113	0.40245157	0.00014386	No
						Srpk2	23.858	10.1014	-1.23992	23.859	10.1024	-1.2398355	0.00014386	No
						Srpr	42.9687	29.9339	-0.521505	42.9697	29.9349	-0.5214913	0.00014386	No
						Srpx	0	1.6134	inf	0.001	1.6144	10.6567824	0.00014386	No
						Srrm1	106.351	37.3742	-1.50872	106.352	37.3752	-1.508694	0.00014386	No
						Srrm2	319.23	132.89	-1.26436	319.231	132.891	-1.2643574	0.00014386	No
						Srrt	117.707	82.2437	-0.517228	117.708	82.2447	-0.5172178	0.00014386	No
						Srsf1	159.558	50.3101	-1.66516	159.559	50.3111	-1.6651413	0.00014386	No
						Srsf10	37.8012	21.6246	-0.805758	37.8022	21.6256	-0.80573	0.00014386	No
						Srsf11	124.945	41.8398	-1.57834	124.946	41.8408	-1.5783224	0.00014386	No
						Srsf2	506.598	214.356	-1.24083	506.599	214.357	-1.2408287	0.00014386	No
						Srsf3	138.458	76.6064	-0.853913	138.459	76.6074	-0.8539032	0.00014386	No
						Srsf4	71.643	39.9353	-0.84316	71.644	39.9363	-0.8431452	0.00014386	No
						Srsf5	1013.64	163.876	-2.62887	1013.641	163.877	-2.6288615	0.00014386	No
						Srsf6	148.71	35.6631	-2.05999	148.711	35.6641	-2.0599669	0.00014386	No
						Srsf7	179.432	58.3812	-1.61986	179.433	58.3822	-1.6198448	0.00014386	No
						Ss18	69.681	40.1894	-0.79395	69.682	40.1904	-0.7939351	0.00014386	No
						Ssb	126.368	58.7614	-1.10469	126.369	58.7624	-1.1046774	0.00014386	No
						Ssbp2	8.52281	21.6938	1.34788	8.52381	21.6948	1.34777895	0.00014386	No
						Ssbp3	132.551	25.1807	-2.39615	132.552	25.1817	-2.3961109	0.00014386	No
						Ssbp4	39.7534	25.9626	-0.614642	39.7544	25.9636	-0.6146241	0.00014386	No
						Ssfa2	7.8072	13.5998	0.800704	7.8082	13.6008	0.8006296	0.00014386	No
						Ssh2	31.835	2.94999	-3.43183	31.836	2.95099	-3.4313881	0.00014386	No
						Sspo	0.0499622	2.20114	5.46127	0.0509622	2.20214	5.43333482	0.00014386	No
						Ssr1	37.0053	24.3948	-0.601156	37.0063	24.3958	-0.6011381	0.00014386	No
						Ssr3	31.0307	17.5014	-0.826227	31.0317	17.5024	-0.82619	0.00014386	No
						Ssr4	234.968	81.6938	-1.52416	234.969	81.6948	-1.5241543	0.00014386	No
						Ssrp1	112.85	55.3747	-1.02711	112.851	55.3757	-1.0270943	0.00014386	No
						Sssca1	18.1139	27.9538	0.625944	18.1149	27.9548	0.62591918	0.00014386	No
						Sstr3	14.5659	1.199	-3.60269	14.5669	1.2	-3.6015876	0.00014386	No
						Ssuh2	0	2.1602	inf	0.001	2.1612	11.0776169	0.00014386	No
						Ssx2ip	4.22945	7.62032	0.849383	4.23045	7.62132	0.84922976	0.00014386	No
						St13	52.0747	134.243	1.36619	52.0757	134.244	1.36617538	0.00014386	No
						St14	1.49874	67.0445	5.4833	1.49974	67.0455	5.48235619	0.00014386	No
						St3gal1	28.0896	2.9361	-3.25806	28.0906	2.9371	-3.2576231	0.00014386	No
						St3gal3	0.644171	12.767	4.30883	0.645171	12.768	4.30670715	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						St3gal5	2.61323	49.3317	4.23861	2.61423	49.3327	4.23808627	0.00014386	No
						St3gal6	7.21822	59.0002	3.031	7.21922	59.0012	3.03082942	0.00014386	No
						St5	0.129645	18.3018	7.14128	0.130645	18.3028	7.13026865	0.00014386	No
						St6galnac3	1.22072	19.516	3.99885	1.22172	19.517	3.99774573	0.00014386	No
						St6galnac4	12.9646	8.31499	-0.640794	12.9656	8.31599	-0.640729	0.00014386	No
						St6galnac6	1.09652	3.23804	1.56218	1.09752	3.23904	1.56131905	0.00014386	No
						ST7	3.48708	9.49668	1.4454	3.48808	9.49768	1.44514202	0.00014386	No
						St8sia1	64.2017	3.83862	-4.06395	64.2027	3.83962	-4.0635985	0.00014386	No
						St8sia4	16.6097	0.891615	-4.21946	16.6107	0.892615	-4.217931	0.00014386	No
						St8sia6	7.07224	0.280088	-4.65821	7.07324	0.281088	-4.6532774	0.00014386	No
						Stag2	39.3313	13.8847	-1.50219	39.3323	13.8857	-1.5021146	0.00014386	No
						Stam	5.16444	14.0249	1.4413	5.16544	14.0259	1.4411302	0.00014386	No
						Stamp	7.40937	19.7534	1.41468	7.41037	19.7544	1.41455654	0.00014386	No
						Stamp1	24.9385	2.54113	-3.29484	24.9395	2.54213	-3.2943228	0.00014386	No
						Stap1	18.3589	1.3256	-3.79176	18.3599	1.3266	-3.7907529	0.00014386	No
						Stap2	0.147435	53.8668	8.51317	0.148435	53.8678	8.50344803	0.00014386	No
						Stard13	0.412906	3.31171	3.00369	0.413906	3.31271	3.00063685	0.00014386	No
						Stard4	7.25279	2.43923	-1.57211	7.25379	2.44023	-1.5717178	0.00014386	No
						Stard5	2.69083	25.5714	3.24841	2.69183	25.5724	3.24792836	0.00014386	No
						Stard8	0.0255546	26.3697	10.0111	0.0265546	26.3707	9.95575835	0.00014386	No
						Stat1	115.202	65.9699	-0.804285	115.203	65.9709	-0.8042766	0.00014386	No
						Stat2	23.3719	14.2715	-0.711641	23.3729	14.2725	-0.7115987	0.00014386	No
						Stat4	63.5396	2.04808	-4.95531	63.5406	2.04908	-4.9546305	0.00014386	No
						Stat5a	29.3212	3.22391	-3.18506	29.3222	3.22491	-3.1846625	0.00014386	No
						Stat5b	61.3904	6.62312	-3.21243	61.3914	6.62412	-3.2122359	0.00014386	No
						Stat6	46.5141	8.31518	-2.48385	46.5151	8.31618	-2.4837062	0.00014386	No
						Stau2	1.34105	10.2693	2.9369	1.34205	10.2703	2.935968	0.00014386	No
						Steap1	0	3.08859	inf	0.001	3.08959	11.5931997	0.00014386	No
						Steap3	0.362548	1.768	2.28588	0.363548	1.769	2.28271628	0.00014386	No
						Stim1	63.2109	5.66581	-3.47982	63.2119	5.66681	-3.4795874	0.00014386	No
						Stim2	19.2262	5.47907	-1.81107	19.2272	5.48007	-1.8108825	0.00014386	No
						Stip1	90.1409	64.5677	-0.48137	90.1419	64.5687	-0.4813629	0.00014386	No
						Stk10	91.9376	4.27028	-4.42825	91.9386	4.27128	-4.4279303	0.00014386	No
						Stk11	46.8638	28.3369	-0.725791	46.8648	28.3379	-0.7257719	0.00014386	No
						Stk16	22.8512	46.7713	1.03335	22.8522	46.7723	1.03332131	0.00014386	No
						Stk17b	209.85	8.44455	-4.6352	209.851	8.44555	-4.6350301	0.00014386	No
						Stk24	106.375	44.8356	-1.24644	106.376	44.8366	-1.2464239	0.00014386	No
						Stk32a	0	1.42508	inf	0.001	1.42608	10.4778392	0.00014386	No
						Stk36	0.127881	1.17937	3.20514	0.128881	1.18037	3.19512766	0.00014386	No
						Stk38	285.061	24.4862	-3.54123	285.062	24.4872	-3.541176	0.00014386	No
						Stk39	19.3648	30.7919	0.669111	19.3658	30.7929	0.66908664	0.00014386	No
						Stk4	63.6697	8.44526	-2.91439	63.6707	8.44626	-2.9142451	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Stmn1	112.881	156.001	0.466755	112.882	156.002	0.46674907	0.00014386	No
						Stom	51.4468	9.31162	-2.46598	51.4478	9.31262	-2.4658504	0.00014386	No
						Stra6	0.358893	1.73823	2.27599	0.359893	1.73923	2.27280878	0.00014386	No
						Stradb	6.78586	27.6688	2.02766	6.78686	27.6698	2.02749606	0.00014386	No
						Strbp	15.2731	20.9805	0.45805	15.2741	20.9815	0.45803045	0.00014386	No
						Strip1	27.3364	13.7624	-0.990091	27.3374	13.7634	-0.9900391	0.00014386	No
						Strn	15.0318	7.51068	-1.001	15.0328	7.51168	-1.0009062	0.00014386	No
						Strn3	21.9631	14.2452	-0.624602	21.9641	14.2462	-0.6245702	0.00014386	No
						Sts	7.34482	11.8623	0.691588	7.34582	11.8633	0.69150993	0.00014386	No
						Stt3b	30.117	21.1072	-0.512839	30.118	21.1082	-0.5128224	0.00014386	No
						Stub1	314.16	107.569	-1.54624	314.161	107.57	-1.5462283	0.00014386	No
						Stx12	11.1495	32.1905	1.52965	11.1505	32.1915	1.5295714	0.00014386	No
						Stx18	17.1802	45.7712	1.41369	17.1812	45.7722	1.41364083	0.00014386	No
						Stx1a	13.1873	3.44508	-1.93654	13.1883	3.44608	-1.9362305	0.00014386	No
						Stx4	86.7331	65.4474	-0.406246	86.7341	65.4484	-0.4062414	0.00014386	No
						Stx6	54.7059	16.8347	-1.70026	54.7069	16.8357	-1.7001991	0.00014386	No
						Stx7	15.7914	76.0283	2.2674	15.7924	76.0293	2.26732507	0.00014386	No
						Stx8	52.4395	72.2726	0.462796	52.4405	72.2736	0.46278732	0.00014386	No
						Stxbp1	2.48082	7.61626	1.61826	2.48182	7.61726	1.61787366	0.00014386	No
						Stxbp4	1.26597	8.47513	2.74299	1.26697	8.47613	2.74202335	0.00014386	No
						Stxbp6	0	4.0002	inf	0.001	4.0012	11.966217	0.00014386	No
						Styk1	5.88313	0.764417	-2.94415	5.88413	0.765417	-2.9425113	0.00014386	No
						Styx	23.5474	3.87136	-2.60466	23.5484	3.87236	-2.6043441	0.00014386	No
						Styx11	1.35714	3.37108	1.31264	1.35814	3.37208	1.31200656	0.00014386	No
						SUB1	58.7658	40.0671	-0.552559	58.7668	40.0681	-0.5525472	0.00014386	No
						Sucla2	31.4893	84.6002	1.4258	31.4903	84.6012	1.42577063	0.00014386	No
						Suclg1	88.244	308.83	1.80724	88.245	308.831	1.80723113	0.00014386	No
						Suclg2	59.2662	159.457	1.42789	59.2672	159.458	1.42787067	0.00014386	No
						Sufu	8.98373	15.551	0.791625	8.98473	15.552	0.79155307	0.00014386	No
						Sugt1	25.3349	39.3277	0.634421	25.3359	39.3287	0.63439942	0.00014386	No
						Sulf2	0.166493	16.821	6.65866	0.167493	16.822	6.65010463	0.00014386	No
						Sult1a1	0.293526	30.2851	6.68898	0.294526	30.2861	6.684117	0.00014386	No
						Sult1c2	0	101.623	inf	0.001	101.624	16.6328816	0.00014386	No
						Sult1c2	0.0310571	72.4924	11.1887	0.0320571	72.4934	11.14299	0.00014386	No
						Sult1c2a	0.0125807	224.158	14.121	0.0135807	224.159	14.010677	0.00014386	No
						Sult1c3	0	1.72244	inf	0.001	1.72344	10.7510754	0.00014386	No
						Sumf2	8.52606	13.1097	0.62068	8.52706	13.1107	0.6206244	0.00014386	No
						Sumo1	127.246	95.2173	-0.418319	127.247	95.2183	-0.4183209	0.00014386	No
						Sumo2l	199.193	121.681	-0.711064	199.194	121.682	-0.7110584	0.00014386	No
						Sumo3	48.17	104.495	1.11722	48.171	104.496	1.11721094	0.00014386	No
						Sun1	12.8616	17.8931	0.476331	12.8626	17.8941	0.47630169	0.00014386	No
						Sun2	85.4137	27.5949	-1.63007	85.4147	27.5959	-1.6300304	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Suox	0.313306	33.8025	6.75341	0.314306	33.8035	6.74885901	0.00014386	No
						Supt16h	56.206	34.4707	-0.705351	56.207	34.4717	-0.7053374	0.00014386	No
						Supt20	43.5742	19.6966	-1.14553	43.5752	19.6976	-1.1454874	0.00014386	No
						Supt3h	8.85351	25.271	1.51316	8.85451	25.272	1.51305547	0.00014386	No
						Supt4h1	125.789	75.012	-0.745815	125.79	75.013	-0.7458047	0.00014386	No
						Supt5	75.9901	50.211	-0.597809	75.9911	50.212	-0.5977983	0.00014386	No
						Supt6h	28.1282	14.8373	-0.922785	28.1292	14.8383	-0.9227427	0.00014386	No
						Supt7l	4.07902	6.67953	0.711522	4.08002	6.68053	0.71138634	0.00014386	No
						Supv3l1	53.8474	76.3853	0.50442	53.8484	76.3863	0.50441043	0.00014386	No
						Suv39h1	14.7738	3.63183	-2.02427	14.7748	3.63283	-2.0239728	0.00014386	No
						Suv39h2	1.26698	0.149523	-3.08295	1.26798	0.150523	-3.0744761	0.00014386	No
						Suv420h1	22.1337	6.84354	-1.69343	22.1347	6.84454	-1.6932843	0.00014386	No
						Suv420h2	31.278	19.1203	-0.710041	31.279	19.1213	-0.7100138	0.00014386	No
						Suz12	30.5152	7.45311	-2.03361	30.5162	7.45411	-2.0334673	0.00014386	No
						Svil	15.795	3.23364	-2.28824	15.796	3.23464	-2.2878822	0.00014386	No
						Svip	1.96755	27.9339	3.82755	1.96855	27.9349	3.82686339	0.00014386	No
						Swap70	3.48145	11.8581	1.76812	3.48245	11.8591	1.76781998	0.00014386	No
						Swsap1	3.78201	7.13283	0.91532	3.78301	7.13383	0.91514225	0.00014386	No
						Swt1	10.3658	4.58749	-1.17605	10.3668	4.58849	-1.1758793	0.00014386	No
						Syap1	15.7096	30.0878	0.937534	15.7106	30.0888	0.93748829	0.00014386	No
						Sybu	0.0310618	2.42063	6.2841	0.0320618	2.42163	6.23897922	0.00014386	No
						Syde2	0.165002	7.43983	5.49471	0.166002	7.44083	5.48619103	0.00014386	No
						Syncrip	104.079	40.7617	-1.3524	104.08	40.7627	-1.3523713	0.00014386	No
						Syne3	4.65342	1.70261	-1.45055	4.65442	1.70361	-1.4500063	0.00014386	No
						Syngr1	1.96848	17.9339	3.18754	1.96948	17.9349	3.18688303	0.00014386	No
						SYNGR2	26.441	72.5672	1.45654	26.442	72.5682	1.45650618	0.00014386	No
						Syngr4	0.0487518	2.0452	5.39064	0.0497518	2.0462	5.36205463	0.00014386	No
						Synj1	13.6012	3.64168	-1.90106	13.6022	3.64268	-1.9007678	0.00014386	No
						Synj2	0.0742287	0.837631	3.49627	0.0752287	0.838631	3.4786811	0.00014386	No
						Synj2bp	20.3615	59.8308	1.55505	20.3625	59.8318	1.55499777	0.00014386	No
						Synpo	0.646175	2.23504	1.7903	0.647175	2.23604	1.78871821	0.00014386	No
						Synpo2	0	0.748158	inf	0.001	0.749158	9.54912621	0.00014386	No
						Synpr	0	0.796958	inf	0.001	0.797958	9.640169	0.00014386	No
						Syt11	6.5684	1.9039	-1.78659	6.5694	1.9049	-1.7860463	0.00014386	No
						Syt9	0	1.45907	inf	0.001	1.46007	10.5118218	0.00014386	No
						Sytl1	93.0668	26.613	-1.80614	93.0678	26.614	-1.8060967	0.00014386	No
						Syvn1	28.0041	18.6822	-0.583972	28.0051	18.6832	-0.583948	0.00014386	No
						Szt2	14.9121	7.54171	-0.983521	14.9131	7.54271	-0.9834253	0.00014386	No
						Tab1	10.3707	17.6153	0.764314	10.3717	17.6163	0.76425856	0.00014386	No
						Tab2	92.8488	14.9456	-2.63516	92.8498	14.9466	-2.6350815	0.00014386	No
						Tab3	3.97524	1.83886	-1.11223	3.97624	1.83986	-1.1118088	0.00014386	No
						Tacc2	13.1796	45.7271	1.79475	13.1806	45.7281	1.79466493	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tacc3	54.8857	7.50918	-2.8697	54.8867	7.51018	-2.8695372	0.00014386	No
						Taco1	1.90949	5.0953	1.41598	1.91049	5.0963	1.4155075	0.00014386	No
						Tada2b	18.7395	12.3436	-0.602323	18.7405	12.3446	-0.6022794	0.00014386	No
						Taf1	16.8177	3.91619	-2.10246	16.8187	3.91719	-2.1021752	0.00014386	No
						Taf12	36.3852	20.2267	-0.847095	36.3862	20.2277	-0.8470591	0.00014386	No
						Taf15	21.9535	13.1973	-0.734209	21.9545	13.1983	-0.7341646	0.00014386	No
						Taf1b	9.01269	2.57741	-1.80604	9.01369	2.57841	-1.8056361	0.00014386	No
						Taf1c	15.7729	5.62488	-1.48755	15.7739	5.62588	-1.4873887	0.00014386	No
						Taf1d	32.125	7.8636	-2.03044	32.126	7.8646	-2.0302961	0.00014386	No
						Taf2	9.3644	3.93544	-1.25066	9.3654	3.93644	-1.2504491	0.00014386	No
						Taf4a	24.6515	8.37556	-1.55742	24.6525	8.37656	-1.5573042	0.00014386	No
						Taf5l	16.6809	8.5829	-0.958659	16.6819	8.5839	-0.9585784	0.00014386	No
						Taf7	18.7564	8.18903	-1.19562	18.7574	8.19003	-1.1955192	0.00014386	No
						Taf8	18.5279	7.02451	-1.39923	18.5289	7.02551	-1.3991024	0.00014386	No
						TAF9	109.595	63.9492	-0.777177	109.596	63.9502	-0.7771744	0.00014386	No
						Taf9b	11.2779	8.08599	-0.479999	11.2789	8.08699	-0.4799516	0.00014386	No
						Tagap	81.4876	3.94514	-4.36843	81.4886	3.94614	-4.3680842	0.00014386	No
						Tagln2	409.63	196.502	-1.05978	409.631	196.503	-1.0597736	0.00014386	No
						Taldo1	100.412	260.997	1.37811	100.413	260.998	1.37809269	0.00014386	No
						Tanc1	0.646403	22.4009	5.11498	0.647403	22.4019	5.11281324	0.00014386	No
						Tanc2	11.407	21.9842	0.946545	11.408	21.9852	0.94648677	0.00014386	No
						Tango2	10.4905	33.3737	1.66963	10.4915	33.3747	1.66953391	0.00014386	No
						Tank	46.0028	5.79553	-2.98871	46.0038	5.79653	-2.9884916	0.00014386	No
						Taok1	20.4684	10.9817	-0.898297	20.4694	10.9827	-0.898236	0.00014386	No
						Tap1	59.2278	11.8285	-2.32401	59.2288	11.8295	-2.3239098	0.00014386	No
						Tapbpl	52.4706	9.75105	-2.42788	52.4716	9.75205	-2.4277594	0.00014386	No
						Tapt1	26.9309	10.0858	-1.41694	26.9319	10.0868	-1.4168475	0.00014386	No
						Tardbp	106.804	50.9787	-1.067	106.805	50.9797	-1.0669844	0.00014386	No
						Tas1r1	1.402	19.9546	3.83117	1.403	19.9556	3.83020674	0.00014386	No
						Tas1r2	18.7597	54.6838	1.54348	18.7607	54.6848	1.54342622	0.00014386	No
						Tax1bp1	130.935	91.9378	-0.510124	130.936	91.9388	-0.5101161	0.00014386	No
						Tax1bp3	5.86095	70.3433	3.58521	5.86195	70.3443	3.58498096	0.00014386	No
						Tbc1d10a	22.9941	41.1276	0.83884	22.9951	41.1286	0.83881549	0.00014386	No
						Tbc1d13	8.28376	22.5131	1.44241	8.28476	22.5141	1.442297	0.00014386	No
						Tbc1d15	39.108	10.1117	-1.95143	39.109	10.1127	-1.9513324	0.00014386	No
						Tbc1d16	12.3764	6.53917	-0.920415	12.3774	6.54017	-0.9203083	0.00014386	No
						Tbc1d17	47.8123	81.0202	0.760898	47.8133	81.0212	0.76088747	0.00014386	No
						Tbc1d19	0.669397	11.7434	4.13284	0.670397	11.7444	4.13081351	0.00014386	No
						Tbc1d2	0.823954	3.76651	2.19259	0.824954	3.76751	2.19122576	0.00014386	No
						Tbc1d20	101.047	21.3985	-2.23944	101.048	21.3995	-2.2393918	0.00014386	No
						Tbc1d22b	34.197	16.8114	-1.02443	34.198	16.8124	-1.0243863	0.00014386	No
						Tbc1d24	1.69775	0.815904	-1.05716	1.69875	0.816904	-1.0562351	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tbc1d25	14.7009	6.62424	-1.15008	14.7019	6.62524	-1.149958	0.00014386	No
						Tbc1d2b	10.6841	3.78239	-1.49809	10.6851	3.78339	-1.497849	0.00014386	No
						Tbc1d32	0.272118	2.33175	3.09911	0.273118	2.33275	3.0944354	0.00014386	No
						Tbc1d4	25.3727	9.85068	-1.36498	25.3737	9.85168	-1.3648922	0.00014386	No
						Tbc1d5	10.3785	4.67639	-1.15013	10.3795	4.67739	-1.1499613	0.00014386	No
						Tbca	253.258	392.817	0.633252	253.259	392.818	0.6332475	0.00014386	No
						Tbce	54.7857	21.8407	-1.32678	54.7867	21.8417	-1.3267406	0.00014386	No
						Tbcel	11.7853	7.31436	-0.688183	11.7863	7.31536	-0.6881101	0.00014386	No
						Tbk1	20.0231	8.85257	-1.1775	20.0241	8.85357	-1.1774062	0.00014386	No
						Tbkbp1	4.91067	1.80132	-1.44687	4.91167	1.80232	-1.4463585	0.00014386	No
						Tbl1x	19.229	9.35854	-1.03893	19.23	9.35954	-1.0388492	0.00014386	No
						Tbl1xr1	20.238	8.59603	-1.23533	20.239	8.59703	-1.2352278	0.00014386	No
						Tbp	6.7594	4.20221	-0.685746	6.7604	4.20321	-0.6856171	0.00014386	No
						Tbpl1	45.0691	23.3694	-0.947516	45.0701	23.3704	-0.9474882	0.00014386	No
						Tbx10	0.163733	7.42199	5.50239	0.164733	7.42299	5.49379893	0.00014386	No
						Tbx21	8.64749	3.3457	-1.36997	8.64849	3.3467	-1.369709	0.00014386	No
						Tc2n	0	3.627	inf	0.001	3.628	11.8249587	0.00014386	No
						Tcaim	6.72069	29.5893	2.13839	6.72169	29.5903	2.13822841	0.00014386	No
						Tcea1	77.7635	40.0115	-0.958679	77.7645	40.0125	-0.9586609	0.00014386	No
						Tcea3	0	39.3945	inf	0.001	39.3955	15.2657432	0.00014386	No
						Tceal8	10.1475	74.482	2.87577	10.1485	74.483	2.87564468	0.00014386	No
						Tceanc2	16.1482	9.27833	-0.799432	16.1492	9.27933	-0.7993702	0.00014386	No
						Tceb2	291.836	541.63	0.892149	291.837	541.631	0.89214751	0.00014386	No
						Tceb3	23.0416	16.3932	-0.491146	23.0426	16.3942	-0.491118	0.00014386	No
						Tcerg1	63.3142	14.3086	-2.14565	63.3152	14.3096	-2.1455685	0.00014386	No
						Tcf20	28.013	5.71105	-2.29427	28.014	5.71205	-2.2940675	0.00014386	No
						Tcf21	0	2.08324	inf	0.001	2.08424	11.0253057	0.00014386	No
						Tcf25	74.4901	109.48	0.555544	74.4911	109.481	0.55554055	0.00014386	No
						Tcf3	68.2451	23.2157	-1.55563	68.2461	23.2167	-1.5555837	0.00014386	No
						Tcf4	4.9621	2.05939	-1.26873	4.9631	2.06039	-1.2683241	0.00014386	No
						TCF7	571.227	6.78148	-6.39632	571.228	6.78248	-6.39611	0.00014386	No
						Tcf7l1	1.91528	3.6809	0.942499	1.91628	3.6819	0.94214207	0.00014386	No
						Tcf7l2	0.133937	7.19639	5.74764	0.134937	7.19739	5.73711594	0.00014386	No
						Tcn2	6.31774	48.3302	2.93544	6.31874	48.3312	2.93524601	0.00014386	No
						Tcof1	28.5676	11.0351	-1.37228	28.5686	11.0361	-1.3721999	0.00014386	No
						Tcp11l1	0.0583901	7.53529	7.0118	0.0593901	7.53629	6.98748821	0.00014386	No
						Tcp11l2	111.302	14.79	-2.91178	111.303	14.791	-2.911701	0.00014386	No
						TCRB	2570.37	93.2191	-4.78521	2570.371	93.2201	-4.7851917	0.00014386	No
						Tctn1	1.4018	9.28243	2.72722	1.4028	9.28343	2.72634861	0.00014386	No
						Tdg	23.6384	17.7821	-0.410709	23.6394	17.7831	-0.4106866	0.00014386	No
						Tdp1	5.19398	1.89786	-1.45246	5.19498	1.89886	-1.4519847	0.00014386	No
						Tdp2	47.0562	19.56	-1.26648	47.0572	19.561	-1.2664354	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						TDRD3	9.18514	18.1366	0.98153	9.18614	18.1376	0.98145289	0.00014386	No
						Tead4	0	0.941214	inf	0.001	0.942214	9.87991096	0.00014386	No
						Tecpr1	49.3702	13.5566	-1.86464	49.3712	13.5576	-1.8645679	0.00014386	No
						Tecr	118.072	157.602	0.41662	118.073	157.603	0.4166159	0.00014386	No
						Tef	3.92687	15.7094	2.00018	3.92787	15.7104	1.99990083	0.00014386	No
						Tefm	3.19461	10.477	1.71352	3.19561	10.478	1.71320011	0.00014386	No
						Tekt1	0	2.30437	inf	0.001	2.30537	11.1707826	0.00014386	No
						Tekt5	0	1.38119	inf	0.001	1.38219	10.4327402	0.00014386	No
						Tenc1	0.0361077	15.0482	8.70307	0.0371077	15.0492	8.6637525	0.00014386	No
						Terf1	19.8105	11.568	-0.776126	19.8115	11.569	-0.7760739	0.00014386	No
						Terf2	24.4263	8.76315	-1.47892	24.4273	8.76415	-1.4788083	0.00014386	No
						Tes	42.9603	14.464	-1.57054	42.9613	14.465	-1.5704713	0.00014386	No
						Tesk1	7.44409	13.3727	0.845125	7.44509	13.3737	0.84503747	0.00014386	No
						Tet2	4.07632	1.46519	-1.47618	4.07732	1.46619	-1.4755491	0.00014386	No
						Tex10	17.5101	4.18849	-2.06369	17.5111	4.18949	-2.0634232	0.00014386	No
						Tex14	0.499347	11.9958	4.58634	0.500347	11.9968	4.58357685	0.00014386	No
						Tex2	24.6695	10.3991	-1.24627	24.6705	10.4001	-1.2461896	0.00014386	No
						Tex26	0	3.60497	inf	0.001	3.60597	11.8161717	0.00014386	No
						Tex264	38.9902	96.1137	1.30163	38.9912	96.1147	1.30160854	0.00014386	No
						Tex36	0	8.82022	inf	0.001	8.82122	13.1067625	0.00014386	No
						Tf	10.6683	20.7221	0.957835	10.6693	20.7231	0.95777431	0.00014386	No
						Tfap2b	0.0152659	13.5813	9.7971	0.0162659	13.5823	9.70566144	0.00014386	No
						Tfdp2	2.12102	4.23227	0.996673	2.12202	4.23327	0.99633425	0.00014386	No
						Tfg	17.9094	25.7544	0.524101	17.9104	25.7554	0.52407739	0.00014386	No
						Tfpi	2.62068	6.48298	1.30672	2.62168	6.48398	1.30638804	0.00014386	No
						Tfrc	17.8241	4.48069	-1.99204	17.8251	4.48169	-1.9917954	0.00014386	No
						Tgds	29.0493	17.8851	-0.699741	29.0503	17.8861	-0.6997142	0.00014386	No
						Tgfb1	128.084	16.3498	-2.96975	128.085	16.3508	-2.9696684	0.00014386	No
						Tgfb2	0.118374	5.12543	5.43625	0.119374	5.12643	5.42439394	0.00014386	No
						Tgfb3	1.25302	5.9469	2.24673	1.25402	5.9479	2.24582003	0.00014386	No
						Tgfb4	7.95547	4.46654	-0.832788	7.95647	4.46754	-0.8326479	0.00014386	No
						Tgfb5	30.23	15.6298	-0.951684	30.231	15.6308	-0.9516371	0.00014386	No
						Tgfb6	0.324864	10.5115	5.01599	0.325864	10.5125	5.01169201	0.00014386	No
						Tgif1	39.0245	19.4408	-1.00529	39.0255	19.4418	-1.0052553	0.00014386	No
						Tgif2	4.1896	2.36022	-0.827889	4.1906	2.36122	-0.8276244	0.00014386	No
						Tgs1	6.9271	2.82658	-1.29319	6.9281	2.82758	-1.2928919	0.00014386	No
						Tha1	2.6054	6.69135	1.36079	2.6064	6.69235	1.36045439	0.00014386	No
						Thap11	19.2856	13.2039	-0.546563	19.2866	13.2049	-0.5465255	0.00014386	No
						Thap4	12.0394	193.541	4.00681	12.0404	193.542	4.00669145	0.00014386	No
						Thap7	12.5325	20.0178	0.67561	12.5335	20.0188	0.67556615	0.00014386	No
						Thbs1	0.290401	130.519	8.812	0.291401	130.52	8.80704935	0.00014386	No
						Them4	1.94001	8.19647	2.07894	1.94101	8.19747	2.07837117	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Them6	10.8951	45.9472	2.07629	10.8961	45.9482	2.0761965	0.00014386	No
						Them7	0	4.62462	inf	0.001	4.62562	12.175431	0.00014386	No
						Thns12	0.712271	87.5798	6.94203	0.713271	87.5808	6.9400205	0.00014386	No
						Thoc1	34.4024	18.0988	-0.926616	34.4034	18.0998	-0.9265774	0.00014386	No
						Thoc2	20.4142	3.86953	-2.39934	20.4152	3.87053	-2.3990407	0.00014386	No
						Thoc3	26.6094	13.6753	-0.96037	26.6104	13.6763	-0.9603122	0.00014386	No
						Thra	13.0895	48.4144	1.88703	13.0905	48.4154	1.88694581	0.00014386	No
						Thrap3	66.8637	26.8751	-1.31495	66.8647	26.8761	-1.314921	0.00014386	No
						Thrb	3.56775	7.94013	1.15415	3.56875	7.94113	1.15392547	0.00014386	No
						Thsd4	0.0455288	4.93854	6.76116	0.0465288	4.93954	6.73010891	0.00014386	No
						Thumpd2	13.3338	7.69936	-0.792273	13.3348	7.70036	-0.7921984	0.00014386	No
						Thumpd3	13.3468	8.94269	-0.577713	13.3478	8.94369	-0.5776599	0.00014386	No
						Tia1	27.8761	6.1237	-2.18655	27.8771	6.1247	-2.1863694	0.00014386	No
						Tial1	80.628	25.2996	-1.67216	80.629	25.3006	-1.6721272	0.00014386	No
						Tiam1	3.78197	1.5336	-1.30221	3.78297	1.5346	-1.3016567	0.00014386	No
						Tiam2	0.179109	1.12051	2.64524	0.180109	1.12151	2.63850031	0.00014386	No
						Tie1	2.21913	14.9884	2.75578	2.22013	14.9894	2.75522657	0.00014386	No
						Tigd2	20.7387	5.1477	-2.01033	20.7397	5.1487	-2.0101149	0.00014386	No
						Timd2	0.884611	15.7268	4.15204	0.885611	15.7278	4.15049993	0.00014386	No
						Timm10	18.9912	52.3676	1.46334	18.9922	52.3686	1.463295	0.00014386	No
						TIMM10B	11.7067	23.5001	1.00534	11.7077	23.5011	1.0052706	0.00014386	No
						Timm13	68.9704	205.019	1.57171	68.9714	205.02	1.5716945	0.00014386	No
						Timm17a	33.1585	108.49	1.71011	33.1595	108.491	1.71008121	0.00014386	No
						Timm21	13.1192	32.8808	1.32556	13.1202	32.8818	1.32549956	0.00014386	No
						Timm22	11.3887	32.374	1.50723	11.3897	32.375	1.50715045	0.00014386	No
						Timm44	23.4649	36.4945	0.637173	23.4659	36.4955	0.63715279	0.00014386	No
						Timm8b	34.2806	312.427	3.18805	34.2816	312.428	3.1880174	0.00014386	No
						Timp2	0.49925	41.2966	6.37011	0.50025	41.2976	6.36726487	0.00014386	No
						Timp3	0.077839	557.163	12.8053	0.078839	557.164	12.7869049	0.00014386	No
						Timp4	0	1.7176	inf	0.001	1.7186	10.7470181	0.00014386	No
						Tiparp	17.53	9.36718	-0.904141	17.531	9.36818	-0.9040676	0.00014386	No
						Tjp1	0.0729202	9.62702	7.04463	0.0739202	9.62802	7.02512667	0.00014386	No
						Tjp2	0.0768754	20.8885	8.08597	0.0778754	20.8895	8.06739458	0.00014386	No
						Tjp3	0.870009	14.6167	4.07044	0.871009	14.6177	4.06888489	0.00014386	No
						Tk2	16.7465	9.58335	-0.805255	16.7475	9.58435	-0.8051933	0.00014386	No
						Tkt	84.689	145.279	0.778578	84.69	145.28	0.77857257	0.00014386	No
						Tlcd1	1.29787	30.9064	4.57368	1.29887	30.9074	4.57262335	0.00014386	No
						Tle2	0.0556093	489.662	13.1042	0.0566093	489.663	13.0784625	0.00014386	No
						Tle3	55.8403	13.5245	-2.04573	55.8413	13.5255	-2.0456506	0.00014386	No
						Tle4	28.282	6.76068	-2.06464	28.283	6.76168	-2.0644815	0.00014386	No
						Tlk2	21.1702	13.4989	-0.649193	21.1712	13.4999	-0.6491543	0.00014386	No
						Tln1	67.3395	24.8436	-1.43858	67.3405	24.8446	-1.4385421	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tln2	0.0136657	12.597	9.8483	0.0146657	12.598	9.74653307	0.00014386	No
						Tlr12	0	2.48972	inf	0.001	2.49072	11.2823471	0.00014386	No
						Tlr3	0.679654	9.00917	3.72852	0.680654	9.01017	3.72656081	0.00014386	No
						Tm2d1	14.5972	35.5195	1.28292	14.5982	35.5205	1.2828614	0.00014386	No
						Tm2d2	21.4152	41.3659	0.949804	21.4162	41.3669	0.94977433	0.00014386	No
						Tm7sf2	24.2701	38.7394	0.674622	24.2711	38.7404	0.67459936	0.00014386	No
						Tm9sf2	14.4548	45.8567	1.66558	14.4558	45.8577	1.66551555	0.00014386	No
						Tm9sf3	59.4413	41.7953	-0.508123	59.4423	41.7963	-0.5081147	0.00014386	No
						Tmbim1	1.608	34.7384	4.43319	1.609	34.7394	4.43233661	0.00014386	No
						Tmbim4	81.0148	55.0489	-0.557471	81.0158	55.0499	-0.5574634	0.00014386	No
						Tmc4	0.117952	28.6299	7.92318	0.118952	28.6309	7.91104968	0.00014386	No
						Tmc6	106.468	28.9289	-1.87984	106.469	28.9299	-1.8798002	0.00014386	No
						Tmcc1	13.6315	4.2104	-1.69491	13.6325	4.2114	-1.6946783	0.00014386	No
						Tmcc3	1.12448	3.66739	1.7055	1.12548	3.66839	1.70460661	0.00014386	No
						Tmco4	12.9509	19.4764	0.58868	12.9519	19.4774	0.58863736	0.00014386	No
						Tmed10	73.6078	45.2716	-0.701252	73.6088	45.2726	-0.7012401	0.00014386	No
						Tmed2	112.467	79.6427	-0.49789	112.468	79.6437	-0.4978824	0.00014386	No
						Tmed3	9.94979	22.7973	1.19613	9.95079	22.7983	1.19604328	0.00014386	No
						Tmed5	13.4768	4.11197	-1.71258	13.4778	4.11297	-1.7123326	0.00014386	No
						Tmed6	0.182558	48.021	8.03917	0.183558	48.022	8.03131569	0.00014386	No
						Tmed7	12.3335	20.7187	0.748349	12.3345	20.7197	0.74830388	0.00014386	No
						Tmed8	8.33354	1.81821	-2.19641	8.33454	1.81921	-2.1957905	0.00014386	No
						Tmem106a	2.02572	30.5588	3.91508	2.02672	30.5598	3.91441641	0.00014386	No
						Tmem106b	14.603	20.9312	0.519391	14.604	20.9322	0.51936037	0.00014386	No
						Tmem106c	5.34415	19.6468	1.87826	5.34515	19.6478	1.87806544	0.00014386	No
						Tmem107	0.46792	14.0246	4.90556	0.46892	14.0256	4.90257687	0.00014386	No
						Tmem109	11.7763	22.4213	0.928977	11.7773	22.4223	0.92892544	0.00014386	No
						TMEM11	18.5771	34.8592	0.908014	18.5781	34.8602	0.90797788	0.00014386	No
						Tmem116	0.0968297	5.97165	5.94654	0.0978297	5.97265	5.93195485	0.00014386	No
						Tmem117	0.181596	9.04461	5.63825	0.182596	9.04561	5.63049073	0.00014386	No
						Tmem120a	13.2661	22.4702	0.760269	13.2671	22.4712	0.76022412	0.00014386	No
						Tmem123	137.511	86.9001	-0.662116	137.512	86.9011	-0.6621112	0.00014386	No
						Tmem126b	11.8575	23.0196	0.957062	11.8585	23.0206	0.9570039	0.00014386	No
						Tmem131	19.5943	11.8035	-0.731218	19.5953	11.8045	-0.7311707	0.00014386	No
						Tmem132a	0.803584	11.9542	3.89492	0.804584	11.9552	3.89325141	0.00014386	No
						Tmem135	4.89988	15.7989	1.689	4.90088	15.7999	1.6888027	0.00014386	No
						Tmem141	13.5955	33.919	1.31897	13.5965	33.92	1.31890085	0.00014386	No
						TMEM144	2.20469	3.65085	0.72766	2.20569	3.65185	0.72739747	0.00014386	No
						Tmem14a	10.8008	25.8516	1.25912	10.8018	25.8526	1.25903764	0.00014386	No
						Tmem154	57.1926	2.66738	-4.42233	57.1936	2.66838	-4.4218177	0.00014386	No
						Tmem156	54.5277	2.54868	-4.41917	54.5287	2.54968	-4.4186277	0.00014386	No
						Tmem163	9.67039	0	-inf	9.67139	0.001	-13.239508	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem164	11.9636	5.61174	-1.09213	11.9646	5.61274	-1.091995	0.00014386	No
						TMEM165	18.4868	10.0362	-0.881274	18.4878	10.0372	-0.8812167	0.00014386	No
						Tmem167a	36.1517	22.6152	-0.676769	36.1527	22.6162	-0.6767468	0.00014386	No
						Tmem169	0.0253455	4.62593	7.51187	0.0263455	4.62693	7.4563549	0.00014386	No
						Tmem17	1.14437	12.4581	3.44446	1.14537	12.4591	3.44331423	0.00014386	No
						Tmem170b	5.12992	1.53431	-1.74135	5.13092	1.53531	-1.7406875	0.00014386	No
						Tmem173	146.968	11.0021	-3.73966	146.969	11.0031	-3.7395299	0.00014386	No
						Tmem176a	5.52047	62.2967	3.49629	5.52147	62.2977	3.49605458	0.00014386	No
						Tmem176b	4.56756	108.119	4.56505	4.56856	108.12	4.5647501	0.00014386	No
						Tmem177	2.74121	5.15096	0.910028	2.74221	5.15196	0.90978233	0.00014386	No
						Tmem181	14.9029	4.64866	-1.68071	14.9039	4.64966	-1.6804928	0.00014386	No
						Tmem183a	33.5335	51.9951	0.63277	33.5345	51.9961	0.63275733	0.00014386	No
						Tmem184b	7.92615	16.671	1.07265	7.92715	16.672	1.072553	0.00014386	No
						Tmem194	4.64235	1.31731	-1.81727	4.64335	1.31831	-1.8164764	0.00014386	No
						Tmem194b	21.1799	1.85929	-3.50987	21.1809	1.86029	-3.5091644	0.00014386	No
						Tmem2	0.147771	5.37726	5.18543	0.148771	5.37826	5.17597427	0.00014386	No
						Tmem203	12.5054	20.4094	0.70668	12.5064	20.4104	0.70663789	0.00014386	No
						Tmem204	38.8409	4.01891	-3.2727	38.8419	4.01991	-3.2723787	0.00014386	No
						Tmem205	3.12303	43.1547	3.7885	3.12403	43.1557	3.78807091	0.00014386	No
						Tmem207	0.0234205	66.4183	11.4696	0.0244205	66.4193	11.4092941	0.00014386	No
						Tmem209	25.9103	14.5792	-0.829614	25.9113	14.5802	-0.8295709	0.00014386	No
						Tmem213	0.269665	279.659	10.0183	0.270665	279.66	10.0129499	0.00014386	No
						Tmem216	5.74653	20.455	1.83169	5.74753	20.456	1.83151007	0.00014386	No
						Tmem218	6.92768	16.5449	1.25594	6.92868	16.5459	1.25582134	0.00014386	No
						Tmem220	1.71487	4.0919	1.25467	1.71587	4.0929	1.25418316	0.00014386	No
						Tmem221	0	2.67837	inf	0.001	2.67937	11.3876781	0.00014386	No
						Tmem229b	32.5246	1.14956	-4.82238	32.5256	1.15056	-4.8211675	0.00014386	No
						Tmem237	1.79462	8.10185	2.17457	1.79562	8.10285	2.17394736	0.00014386	No
						Tmem238	2.78694	43.4381	3.96221	2.78794	43.4391	3.96172279	0.00014386	No
						Tmem240	1.13905	0	-inf	1.14005	0.001	-10.154881	0.00014386	No
						Tmem243	71.1144	27.3316	-1.37957	71.1154	27.3326	-1.3795393	0.00014386	No
						Tmem245	9.40202	4.05129	-1.21459	9.40302	4.05229	-1.2143868	0.00014386	No
						Tmem246	0.106815	10.7907	6.65853	0.107815	10.7917	6.64522043	0.00014386	No
						Tmem25	0.408361	6.86972	4.07234	0.409361	6.87072	4.06901572	0.00014386	No
						Tmem252	0.0948362	23.3076	7.94115	0.0958362	23.3086	7.92607593	0.00014386	No
						Tmem254	49.32	21.4457	-1.20148	49.321	21.4467	-1.2014464	0.00014386	No
						Tmem255b	0	3.85711	inf	0.001	3.85811	11.9136786	0.00014386	No
						Tmem256	30.8857	155.648	2.33327	30.8867	155.649	2.33323866	0.00014386	No
						Tmem33	14.0022	19.4249	0.472256	14.0032	19.4259	0.47222489	0.00014386	No
						Tmem38a	0.847249	9.75896	3.52587	0.848249	9.75996	3.52431551	0.00014386	No
						Tmem38b	5.01439	15.1893	1.59891	5.01539	15.1903	1.59871657	0.00014386	No
						Tmem40	0	2.73879	inf	0.001	2.73979	11.4198496	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tmem42	15.645	30.2306	0.950312	15.646	30.2316	0.95026347	0.00014386	No
						Tmem43	22.5402	9.30873	-1.27585	22.5412	9.30973	-1.2757531	0.00014386	No
						Tmem45b	0.0852767	5.17122	5.92221	0.0862767	5.17222	5.90566884	0.00014386	No
						Tmem50a	253.389	85.0308	-1.5753	253.39	85.0318	-1.5752852	0.00014386	No
						Tmem50b	1.74153	55.3527	4.99023	1.74253	55.3537	4.98942435	0.00014386	No
						Tmem51	1.21278	16.9901	3.80831	1.21378	16.9911	3.8072004	0.00014386	No
						Tmem52	0	4.73243	inf	0.001	4.73343	12.2086703	0.00014386	No
						Tmem53	2.86591	16.3265	2.51015	2.86691	16.3275	2.50973539	0.00014386	No
						Tmem54	0	4.98333	inf	0.001	4.98433	12.2831839	0.00014386	No
						Tmem55a	0.400279	18.5044	5.53072	0.401279	18.5054	5.52719685	0.00014386	No
						Tmem62	11.4748	8.06582	-0.508575	11.4758	8.06682	-0.5085228	0.00014386	No
						Tmem64	1.93768	5.83315	1.58994	1.93868	5.83415	1.58944779	0.00014386	No
						Tmem66	130.557	46.3862	-1.49291	130.558	46.3872	-1.4928922	0.00014386	No
						Tmem67	0.143506	2.50092	4.12328	0.144506	2.50192	4.11383436	0.00014386	No
						Tmem70	7.5904	28.0842	1.88751	7.5914	28.0852	1.8873722	0.00014386	No
						Tmem71	63.2965	0.716164	-6.46569	63.2975	0.717164	-6.4637016	0.00014386	No
						Tmem72	0.0295949	48.5688	10.6805	0.0305949	48.5698	10.6325526	0.00014386	No
						Tmem86a	0.703597	55.7755	6.30874	0.704597	55.7765	6.30671527	0.00014386	No
						Tmem86b	6.80577	1.22926	-2.46897	6.80677	1.23026	-2.4680071	0.00014386	No
						Tmem87a	59.1527	21.7122	-1.44594	59.1537	21.7132	-1.4458961	0.00014386	No
						Tmem87b	15.7486	10.8864	-0.532699	15.7496	10.8874	-0.5326557	0.00014386	No
						TMEM9	20.1471	31.2508	0.633321	20.1481	31.2518	0.63329549	0.00014386	No
						Tmem97	4.76368	9.28421	0.9627	4.76468	9.28521	0.96255521	0.00014386	No
						Tmf1	17.4069	11.3323	-0.619215	17.4079	11.3333	-0.6191742	0.00014386	No
						Tmlhe	8.82615	61.7918	2.80756	8.82715	61.7928	2.80741913	0.00014386	No
						Tmod1	1.5754	14.6426	3.21638	1.5764	14.6436	3.21556471	0.00014386	No
						Tmod3	50.7657	20.011	-1.34306	50.7667	20.012	-1.3430171	0.00014386	No
						Tmpo	52.694	17.4712	-1.59266	52.695	17.4722	-1.5926048	0.00014386	No
						Tmprss13	0	6.44513	inf	0.001	6.44613	12.6542176	0.00014386	No
						Tmprss9	0.049743	4.2241	6.40801	0.050743	4.2251	6.37963286	0.00014386	No
						Tmsb10	8735.63	737.194	-3.5668	8735.631	737.195	-3.5667937	0.00014386	No
						Tmsbl1	93.1501	4.02675	-4.53187	93.1511	4.02775	-4.5315268	0.00014386	No
						Tmtc1	0.00836602	10.5918	10.3061	0.00936602	10.5928	10.1433602	0.00014386	No
						Tmtc3	0.682794	2.28344	1.74169	0.683794	2.28444	1.74020688	0.00014386	No
						Tmtc4	1.99669	9.23285	2.20917	1.99769	9.23385	2.20859957	0.00014386	No
						Tmx1	27.5866	19.9878	-0.464845	27.5876	19.9888	-0.4648281	0.00014386	No
						Tnfaip1	6.58513	23.3366	1.82531	6.58613	23.3376	1.82515331	0.00014386	No
						Tnfaip3	48.4688	6.74458	-2.84526	48.4698	6.74558	-2.8450717	0.00014386	No
						Tnfaip8l1	21.3245	1.41439	-3.91426	21.3255	1.41539	-3.913308	0.00014386	No
						Tnfaip8l2	103.305	8.18447	-3.65788	103.306	8.18547	-3.657715	0.00014386	No
						Tnfrsf13b	3.49914	0	-inf	3.50014	0.001	-11.773197	0.00014386	No
						Tnfrsf14	515.35	19.3834	-4.73266	515.351	19.3844	-4.7325874	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						TNFRSF18	43.5	3.54401	-3.61756	43.501	3.54501	-3.617187	0.00014386	No
						Tnfrsf1a	10.382	21.125	1.02487	10.383	21.126	1.02479629	0.00014386	No
						Tnfrsf1b	22.5202	2.21151	-3.34812	22.5212	2.21251	-3.3475278	0.00014386	No
						Tnfrsf21	2.84881	48.1085	4.07786	2.84981	48.1095	4.07738416	0.00014386	No
						Tnfrsf26	124.813	4.72292	-4.72395	124.814	4.72392	-4.7236514	0.00014386	No
						Tnfsf10	7.1108	13.0385	0.87469	7.1118	13.0395	0.87460189	0.00014386	No
						Tnfsf11	1.32366	0	-inf	1.32466	0.001	-10.371406	0.00014386	No
						Tnfsf13	0.884876	33.2907	5.2335	0.885876	33.2917	5.23191396	0.00014386	No
						Tnik	8.47908	0.388797	-4.44682	8.48008	0.389797	-4.443283	0.00014386	No
						Tnip1	75.9928	32.5059	-1.22516	75.9938	32.5069	-1.2251357	0.00014386	No
						Tnks1bp1	3.29039	12.0792	1.87619	3.29139	12.0802	1.87587545	0.00014386	No
						Tnks2	15.0316	6.96979	-1.10881	15.0326	6.97079	-1.1087005	0.00014386	No
						Tnni2	0	11.2854	inf	0.001	11.2864	13.4622978	0.00014386	No
						Tnni3k	0.0931645	2.72852	4.87219	0.0941645	2.72952	4.85732019	0.00014386	No
						Tnnt3	33.9234	17.4306	-0.96066	33.9244	17.4316	-0.9606183	0.00014386	No
						Tnpo1	20.8643	9.94965	-1.06832	20.8653	9.95065	-1.068243	0.00014386	No
						Tnrc6a	23.9825	9.47847	-1.33926	23.9835	9.47947	-1.3391639	0.00014386	No
						Tnrc6b	15.2911	3.10982	-2.29779	15.2921	3.11082	-2.2974197	0.00014386	No
						Tnrc6c	26.467	10.4345	-1.34284	26.468	10.4355	-1.3427495	0.00014386	No
						Tns1	0.0901463	106.049	10.2002	0.0911463	106.05	10.1842729	0.00014386	No
						Tns3	0.101883	48.9669	8.90875	0.102883	48.9679	8.8946879	0.00014386	No
						Tns4	0	3.05919	inf	0.001	3.06019	11.5794055	0.00014386	No
						Tob1	14.9287	55.1183	1.88444	14.9297	55.1193	1.88437239	0.00014386	No
						Toe1	22.4782	7.80911	-1.5253	22.4792	7.81011	-1.5251759	0.00014386	No
						Tollip	9.91343	18.715	0.916738	9.91443	18.716	0.9166704	0.00014386	No
						Tom1	12.3497	34.7264	1.49156	12.3507	34.7274	1.49148159	0.00014386	No
						Tom1l1	2.15942	15.2989	2.82471	2.16042	15.2999	2.82413851	0.00014386	No
						Tom1l2	13.9124	33.717	1.2771	13.9134	33.718	1.27704395	0.00014386	No
						Tomm34	47.688	20.6703	-1.20606	47.689	20.6713	-1.2060274	0.00014386	No
						Tomm40	26.1763	42.4572	0.697749	26.1773	42.4582	0.69772691	0.00014386	No
						Tomm40l	6.31108	13.8191	1.1307	6.31208	13.8201	1.13058066	0.00014386	No
						Tomm6	173.271	436.539	1.33308	173.272	436.54	1.33307531	0.00014386	No
						Tomm70a	26.7585	11.8897	-1.17029	26.7595	11.8907	-1.1702175	0.00014386	No
						Top2b	16.3275	2.76037	-2.56437	16.3285	2.76137	-2.5639362	0.00014386	No
						Top3a	7.85971	2.10636	-1.89972	7.86071	2.10736	-1.8992228	0.00014386	No
						Topbp1	18.4825	3.64163	-2.3435	18.4835	3.64263	-2.3431856	0.00014386	No
						Topors	16.2611	8.92589	-0.865354	16.2621	8.92689	-0.865284	0.00014386	No
						Tor3a	1.9763	37.7942	4.25729	1.9773	37.7952	4.25659934	0.00014386	No
						Tor4a	15.7419	2.57588	-2.61148	15.7429	2.57688	-2.6110041	0.00014386	No
						Tox	20.073	2.00281	-3.32516	20.074	2.00381	-3.3245105	0.00014386	No
						Tox4	37.1562	13.3406	-1.47778	37.1572	13.3416	-1.4777101	0.00014386	No
						Tp53	221.814	44.9302	-2.30359	221.815	44.9312	-2.3035674	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Tp53bp2	6.42065	15.2407	1.24714	6.42165	15.2417	1.24700788	0.00014386	No
						Tp53i13	8.695	17.3135	0.993643	8.696	17.3145	0.99355688	0.00014386	No
						Tp53inp1	27.7026	7.94181	-1.80248	27.7036	7.94281	-1.8023521	0.00014386	No
						TP53INP2	0.634388	50.8003	6.32333	0.635388	50.8013	6.32108376	0.00014386	No
						Tp63	0	0.834195	inf	0.001	0.835195	9.70596926	0.00014386	No
						Tpcn1	19.102	98.7348	2.36983	19.103	98.7358	2.36977406	0.00014386	No
						Tpgs1	16.2117	34.6246	1.09476	16.2127	34.6256	1.0947147	0.00014386	No
						Tpgs2	20.5988	11.414	-0.851749	20.5998	11.415	-0.8516995	0.00014386	No
						Tpk1	1.30269	6.97703	2.42112	1.30369	6.97803	2.42021894	0.00014386	No
						TPM1	11.1692	247.82	4.47169	11.1702	247.821	4.47157152	0.00014386	No
						Tpm3	415.888	103.03	-2.01313	415.889	103.031	-2.01312	0.00014386	No
						Tpmt	107.25	39.9827	-1.42354	107.251	39.9837	-1.4235072	0.00014386	No
						Tpp1	20.7465	30.0555	0.534762	20.7475	30.0565	0.53473951	0.00014386	No
						Tpp2	32.5044	14.0081	-1.21437	32.5054	14.0091	-1.2143151	0.00014386	No
						Tpr	52.6422	16.7627	-1.65096	52.6432	16.7637	-1.6509066	0.00014386	No
						Tpra1	23.6999	55.7397	1.23383	23.7009	55.7407	1.23378928	0.00014386	No
						TPRG1L	123.684	83.1111	-0.573547	123.685	83.1121	-0.5735401	0.00014386	No
						Tprn	4.82504	13.7805	1.51401	4.82604	13.7815	1.51382114	0.00014386	No
						Tpst2	79.2765	31.6443	-1.32495	79.2775	31.6453	-1.3249202	0.00014386	No
						Tpx2	2.02433	10.199	2.33291	2.02533	10.2	2.33234025	0.00014386	No
						Tra2a	102.484	38.1301	-1.4264	102.485	38.1311	-1.4263727	0.00014386	No
						Tra2b	157.006	54.0383	-1.53877	157.007	54.0393	-1.538748	0.00014386	No
						Trabd2b	0.0183251	26.6251	10.5048	0.0193251	26.6261	10.4281495	0.00014386	No
						Trac	1160.02	65.3632	-4.14953	1160.021	65.3642	-4.1495064	0.00014386	No
						Traf1	7.49262	2.19673	-1.77011	7.49362	2.19773	-1.7696487	0.00014386	No
						Traf2	35.6951	21.035	-0.762933	35.6961	21.036	-0.7629061	0.00014386	No
						Traf3	13.7142	5.62464	-1.28584	13.7152	5.62564	-1.2856865	0.00014386	No
						Traf3ip1	3.93857	6.01044	0.6098	3.93957	6.01144	0.60967245	0.00014386	No
						Traf3ip3	220.814	11.3358	-4.28387	220.815	11.3368	-4.2837528	0.00014386	No
						Traf4	15.5699	42.7071	1.45572	15.5709	42.7081	1.45565738	0.00014386	No
						Traf5	8.58074	12.7599	0.572445	8.58174	12.7609	0.57238799	0.00014386	No
						Traf6	8.49806	2.5731	-1.72363	8.49906	2.5741	-1.7232352	0.00014386	No
						Trafd1	59.7733	36.1851	-0.724105	59.7743	36.1861	-0.7240897	0.00014386	No
						Trak1	7.03462	16.5219	1.23184	7.03562	16.5229	1.23171745	0.00014386	No
						Tram1	94.5653	43.8869	-1.10752	94.5663	43.8879	-1.1075029	0.00014386	No
						Trap1	26.9426	37.9674	0.494873	26.9436	37.9684	0.49485658	0.00014386	No
						Trappc1	36.303	100.431	1.46804	36.304	100.432	1.4680186	0.00014386	No
						Trappc10	13.5098	7.72785	-0.805866	13.5108	7.72885	-0.8057874	0.00014386	No
						TRAPPC2	9.88205	41.8942	2.08387	9.88305	41.8952	2.08375672	0.00014386	No
						Trappc2l	33.4873	98.748	1.56014	33.4883	98.749	1.560109	0.00014386	No
						Trappc3	28.532	45.8432	0.684125	28.533	45.8442	0.68410778	0.00014386	No
						Trappc5	32.0661	45.0595	0.490781	32.0671	45.0605	0.49076943	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trappc6b	27.207	43.4308	0.674741	27.208	43.4318	0.67472083	0.00014386	No
						Trappc8	12.6754	6.72788	-0.913807	12.6764	6.72888	-0.9137068	0.00014386	No
						Trappc9	17.218	10.3872	-0.729117	17.219	10.3882	-0.7290557	0.00014386	No
						Trat1	65.4639	0.719366	-6.50783	65.4649	0.720366	-6.5058477	0.00014386	No
						Trav4-2	5.49519	0	-inf	5.49619	0.001	-12.424216	0.00014386	No
						Trav7-2	5.57922	0	-inf	5.58022	0.001	-12.446106	0.00014386	No
						Trdmt1	6.14497	3.35598	-0.87267	6.14597	3.35698	-0.8724768	0.00014386	No
						Trem12	58.8872	0.562259	-6.71058	58.8882	0.563259	-6.7080363	0.00014386	No
						Trerf1	13.1816	1.68102	-2.97112	13.1826	1.68202	-2.9703682	0.00014386	No
						Triap1	23.8735	48.5104	1.02289	23.8745	48.5114	1.0228533	0.00014386	No
						Trib1	0.529699	4.64959	3.13386	0.530699	4.65059	3.13144802	0.00014386	No
						Trib2	92.3684	10.8608	-3.08826	92.3694	10.8618	-3.0881518	0.00014386	No
						Trim14	33.1171	1.91899	-4.10916	33.1181	1.91999	-4.1084492	0.00014386	No
						Trim21	31.2362	7.81061	-1.99971	31.2372	7.81161	-1.9995733	0.00014386	No
						Trim25	14.6932	3.36696	-2.12563	14.6942	3.36796	-2.1252999	0.00014386	No
						TRIM27	52.6306	29.7286	-0.824049	52.6316	29.7296	-0.8240292	0.00014386	No
						Trim28	109.595	63.6547	-0.783839	109.596	63.6557	-0.7838335	0.00014386	No
						Trim29	0	15.9864	inf	0.001	15.9874	13.9646477	0.00014386	No
						Trim3	6.04197	16.4746	1.44715	6.04297	16.4756	1.44700132	0.00014386	No
						Trim32	4.7371	10.9341	1.20676	4.7381	10.9351	1.20658586	0.00014386	No
						Trim33	21.0619	5.02788	-2.06661	21.0629	5.02888	-2.0663951	0.00014386	No
						Trim34	40.1744	7.67709	-2.38764	40.1754	7.67809	-2.387493	0.00014386	No
						Trim44	18.0539	34.2269	0.922819	18.0549	34.2279	0.92278235	0.00014386	No
						Trim45	3.08479	7.95026	1.36583	3.08579	7.95126	1.36554361	0.00014386	No
						Trim47	0	30.793	inf	0.001	30.794	14.9103617	0.00014386	No
						Trim5	149.143	16.7238	-3.15672	149.144	16.7248	-3.1566451	0.00014386	No
						Trim59	21.3947	3.51418	-2.606	21.3957	3.51518	-2.6056504	0.00014386	No
						Trim62	3.65545	2.09395	-0.803819	3.65645	2.09495	-0.8035278	0.00014386	No
						Trio	5.99515	3.5172	-0.769369	5.99615	3.5182	-0.769199	0.00014386	No
						Trip10	11.2436	69.7471	2.63302	11.2446	69.7481	2.63292158	0.00014386	No
						Trip12	36.8668	21.4456	-0.781637	36.8678	21.4466	-0.7816124	0.00014386	No
						Trip13	1.48003	0.274342	-2.43158	1.48103	0.275342	-2.4273043	0.00014386	No
						Triqk	0	6.09452	inf	0.001	6.09552	12.5735336	0.00014386	No
						Trmt11	9.46225	5.9944	-0.658567	9.46325	5.9954	-0.6584797	0.00014386	No
						Trmt12	1.47957	5.15786	1.80159	1.48057	5.15886	1.80089959	0.00014386	No
						Trmt13	11.6535	2.53668	-2.19974	11.6545	2.53768	-2.199305	0.00014386	No
						Trmt1l	25.765	16.3763	-0.653799	25.766	16.3773	-0.6537711	0.00014386	No
						Trmt6	16.0167	5.59981	-1.51613	16.0177	5.60081	-1.5159596	0.00014386	No
						Trove2	3.13839	8.08863	1.36587	3.13939	8.08963	1.36558946	0.00014386	No
						Trpc1	0.200656	4.07664	4.34459	0.201656	4.07764	4.33776617	0.00014386	No
						Trpc3	0	1.1541	inf	0.001	1.1551	10.173802	0.00014386	No
						Trpc4ap	73.5777	42.5841	-0.788953	73.5787	42.5851	-0.7889394	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Trpm4	0.0716711	2.27473	4.98816	0.0726711	2.27573	4.96880385	0.00014386	No
						TRPM6	24.9425	4.9102	-2.34475	24.9435	4.9112	-2.3445164	0.00014386	No
						Trpm7	40.1366	11.6727	-1.78178	40.1376	11.6737	-1.7816925	0.00014386	No
						Trpv1	0.907535	16.009	4.14078	0.908535	16.01	4.1392874	0.00014386	No
						Trpv2	14.8903	1.63047	-3.19101	14.8913	1.63147	-3.1902253	0.00014386	No
						Trpv3	3.46789	0.176822	-4.29369	3.46889	0.177822	-4.2859684	0.00014386	No
						Trpv4	0	34.2186	inf	0.001	34.2196	15.0625353	0.00014386	No
						Trpv6	1.25944	0.26306	-2.25931	1.26044	0.26406	-2.2549898	0.00014386	No
						Trrap	53.216	20.3027	-1.39019	53.217	20.3037	-1.3901445	0.00014386	No
						Trub2	25.7522	15.3285	-0.748476	25.7532	15.3295	-0.7484411	0.00014386	No
						Tsc1	10.0735	5.83894	-0.786791	10.0745	5.83994	-0.7866828	0.00014386	No
						Tsc22d1	31.5526	397.29	3.65436	31.5536	397.291	3.65431959	0.00014386	No
						Tsc22d2	5.51326	2.74458	-1.00632	5.51426	2.74558	-1.0060563	0.00014386	No
						Tsc22d3	415.277	106.762	-1.95967	415.278	106.763	-1.9596657	0.00014386	No
						TSC22D4	68.3623	38.8641	-0.814762	68.3633	38.8651	-0.8147468	0.00014386	No
						Tsen15	6.18044	36.2082	2.55053	6.18144	36.2092	2.55034144	0.00014386	No
						Tsen54	11.8138	19.4534	0.719551	11.8148	19.4544	0.71950128	0.00014386	No
						Tsfm	18.5842	33.905	0.867422	18.5852	33.906	0.86738638	0.00014386	No
						Tsg101	36.7308	87.2655	1.24842	36.7318	87.2665	1.24839834	0.00014386	No
						Tsku	0.083063	5.65263	6.08857	0.084063	5.65363	6.07156272	0.00014386	No
						Tsn	33.2009	16.795	-0.983195	33.2019	16.796	-0.9831481	0.00014386	No
						Tsnax	50.4248	37.5288	-0.426136	50.4258	37.5298	-0.4261255	0.00014386	No
						Tspan12	0.306523	36.5037	6.89591	0.307523	36.5047	6.8912441	0.00014386	No
						Tspan13	100.476	51.529	-0.96339	100.477	51.53	-0.9633808	0.00014386	No
						Tspan14	36.6521	11.5883	-1.66123	36.6531	11.5893	-1.6611418	0.00014386	No
						Tspan15	0.0893314	3.51614	5.29868	0.0903314	3.51714	5.28303138	0.00014386	No
						Tspan18	0.0240301	8.76402	8.5106	0.0250301	8.76502	8.45194952	0.00014386	No
						Tspan3	14.0013	93.0485	2.73243	14.0023	93.0495	2.73233458	0.00014386	No
						Tspan31	2.37435	40.2054	4.08179	2.37535	40.2064	4.08121316	0.00014386	No
						Tspan32	145.336	1.25628	-6.85408	145.337	1.25728	-6.8529522	0.00014386	No
						Tspan5	1.51574	49.363	5.02534	1.51674	49.364	5.0244136	0.00014386	No
						Tspan6	0.394401	19.3469	5.6163	0.395401	19.3479	5.61271666	0.00014386	No
						Tspo	101.284	164.578	0.700359	101.285	164.579	0.70035973	0.00014386	No
						Tspyl2	25.6505	7.97611	-1.68523	25.6515	7.97711	-1.6851051	0.00014386	No
						Tspyl4	1.38171	2.92533	1.08215	1.38271	2.92633	1.08159386	0.00014386	No
						Tsr2	4.56447	3.04387	-0.58454	4.56547	3.04487	-0.5843828	0.00014386	No
						Tssc1	40.6116	21.414	-0.92334	40.6126	21.415	-0.9233057	0.00014386	No
						Tssc4	35.6585	25.1679	-0.502664	35.6595	25.1689	-0.5026443	0.00014386	No
						Ttbk2	2.30317	17.9439	2.9618	2.30417	17.9449	2.96125482	0.00014386	No
						Ttc13	17.0544	8.24566	-1.04844	17.0554	8.24666	-1.0483468	0.00014386	No
						Ttc14	16.5584	3.8148	-2.11789	16.5594	3.8158	-2.1175929	0.00014386	No
						Ttc17	17.0957	8.76661	-0.963542	17.0967	8.76761	-0.9634624	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ttc18	0.935034	3.51575	1.91074	0.936034	3.51675	1.90960994	0.00014386	No
						Ttc28	12.1968	1.13112	-3.43068	12.1978	1.13212	-3.4295222	0.00014386	No
						Ttc37	29.544	13.2523	-1.15662	29.545	13.2533	-1.1565624	0.00014386	No
						Ttc38	8.46472	4.7865	-0.822492	8.46572	4.7875	-0.8223603	0.00014386	No
						Ttc7b	7.10826	20.8768	1.55433	7.10926	20.8778	1.55419839	0.00014386	No
						Ttc9	0.403647	4.14963	3.36182	0.404647	4.15063	3.35859453	0.00014386	No
						Ttf1	15.0569	3.88717	-1.95363	15.0579	3.88817	-1.9533574	0.00014386	No
						Ttll10	0.0211625	14.6349	9.43369	0.0221625	14.6359	9.36717512	0.00014386	No
						Ttll12	10.5373	6.80502	-0.630836	10.5383	6.80602	-0.6307589	0.00014386	No
						Ttll3	1.32821	8.74577	2.7191	1.32921	8.74677	2.71818131	0.00014386	No
						Ttll4	4.92184	1.70328	-1.53088	4.92284	1.70428	-1.5303285	0.00014386	No
						Ttll7	0.563682	2.62653	2.2202	0.564682	2.62753	2.21819669	0.00014386	No
						Ttpal	10.2043	2.21364	-2.20469	10.2053	2.21464	-2.2041745	0.00014386	No
						Ttyh3	95.101	11.9724	-2.98975	95.102	11.9734	-2.9896428	0.00014386	No
						Tuba1a	250.423	167.328	-0.581684	250.424	167.329	-0.5816853	0.00014386	No
						Tubb2a	4.33469	62.5682	3.85143	4.33569	62.5692	3.85111914	0.00014386	No
						Tubb4b	47.039	111.245	1.24182	47.04	111.246	1.2417935	0.00014386	No
						Tubb5	397.693	67.0777	-2.56775	397.694	67.0787	-2.5677322	0.00014386	No
						Tubb6	0.140894	3.27462	4.53864	0.141894	3.27562	4.52888251	0.00014386	No
						Tubd1	7.46035	2.28045	-1.70992	7.46135	2.28145	-1.7094856	0.00014386	No
						Tube1	14.9002	1.79965	-3.04955	14.9012	1.80065	-3.0488388	0.00014386	No
						Tubgcp2	18.547	11.0666	-0.744966	18.548	11.0676	-0.7449212	0.00014386	No
						Tubgcp3	16.2161	6.65694	-1.2845	16.2171	6.65794	-1.2843681	0.00014386	No
						Tubgcp5	7.04767	3.50449	-1.00794	7.04867	3.50549	-1.0077349	0.00014386	No
						Tufm	37.7332	97.9747	1.37658	37.7342	97.9757	1.37655129	0.00014386	No
						Tulp3	0.595115	10.7271	4.17195	0.596115	10.7281	4.1696601	0.00014386	No
						Tulp4	3.15046	4.56714	0.535728	3.15146	4.56814	0.53558651	0.00014386	No
						Tusc2	11.9407	36.0025	1.59221	11.9417	36.0035	1.59212893	0.00014386	No
						Tusc3	0.755141	37.2023	5.6225	0.756141	37.2033	5.6206315	0.00014386	No
						TVP23A	9.01317	3.28845	-1.45463	9.01417	3.28945	-1.4543483	0.00014386	No
						Twf1	25.4323	59.3057	1.22151	25.4333	59.3067	1.22147643	0.00014386	No
						Twf2	64.5784	5.79687	-3.47771	64.5794	5.79787	-3.4774791	0.00014386	No
						Twist1	0	7.53557	inf	0.001	7.53657	12.8796924	0.00014386	No
						Twistnb	8.82029	2.92313	-1.59331	8.82129	2.92413	-1.5929822	0.00014386	No
						Twsg1	3.91385	22.0723	2.49558	3.91485	22.0733	2.4952734	0.00014386	No
						Txk	90.3572	2.94502	-4.93929	90.3582	2.94602	-4.9388164	0.00014386	No
						Txlng	17.4227	2.58324	-2.75371	17.4237	2.58424	-2.7532391	0.00014386	No
						Txn1	243.165	743.016	1.61146	243.166	743.017	1.6114537	0.00014386	No
						Txn2	38.7853	148.511	1.93699	38.7863	148.512	1.93696045	0.00014386	No
						Txndc16	19.8816	3.71412	-2.42034	19.8826	3.71512	-2.4200257	0.00014386	No
						Txndc17	20.3209	75.5619	1.89469	20.3219	75.5629	1.89464278	0.00014386	No
						Txndc5	21.4305	29.2959	0.451036	21.4315	29.2969	0.45101519	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Txnip	1583.33	158.488	-3.32051	1583.331	158.489	-3.3205083	0.00014386	No
						Txn1	39.3535	80.1362	1.02596	39.3545	80.1372	1.02594349	0.00014386	No
						Txnrd1	13.5097	43.9331	1.70131	13.5107	43.9341	1.70123872	0.00014386	No
						Tyk2	22.7779	11.5093	-0.984833	22.7789	11.5103	-0.9847726	0.00014386	No
						Tyms	1.07077	6.8877	2.68537	1.07177	6.8887	2.68423641	0.00014386	No
						Tyro3	0.122826	3.68304	4.90621	0.123826	3.68404	4.89490255	0.00014386	No
						Tyw3	4.95958	14.4191	1.53969	4.96058	14.4201	1.53950045	0.00014386	No
						U2af2	161.437	60.7211	-1.4107	161.438	60.7221	-1.4106866	0.00014386	No
						Uap1	4.38604	9.76351	1.15448	4.38704	9.76451	1.15429979	0.00014386	No
						Uap1l1	6.76935	63.0717	3.2199	6.77035	63.0727	3.21971337	0.00014386	No
						Uba1	83.3005	57.5083	-0.534556	83.3015	57.5093	-0.5345472	0.00014386	No
						Uba2	51.704	20.8503	-1.31021	51.705	20.8513	-1.3101665	0.00014386	No
						Uba52	3796.8	1538.29	-1.30346	3796.801	1538.291	-1.3034559	0.00014386	No
						Uba6	6.9423	3.21164	-1.1121	6.9433	3.21264	-1.1118622	0.00014386	No
						Uba7	13.4044	7.42046	-0.853124	13.4054	7.42146	-0.8530393	0.00014386	No
						Ubac1	21.4113	43.5493	1.02427	21.4123	43.5503	1.02424289	0.00014386	No
						Ubac2	51.5522	34.7275	-0.569954	51.5532	34.7285	-0.5699419	0.00014386	No
						Ubald2	409.575	121.732	-1.75043	409.576	121.733	-1.7504109	0.00014386	No
						Ubp1	12.4432	19.9606	0.681803	12.4442	19.9616	0.68175388	0.00014386	No
						Ubp2l	41.4372	21.6298	-0.937908	41.4382	21.6308	-0.9378743	0.00014386	No
						Ubash3b	14.2908	6.78535	-1.07459	14.2918	6.78635	-1.0744799	0.00014386	No
						Ubc	89.3328	250.571	1.48796	89.3338	250.572	1.48794717	0.00014386	No
						Ubd	11.5777	33.8257	1.54677	11.5787	33.8267	1.54668916	0.00014386	No
						Ube2b	78.9246	48.3127	-0.708073	78.9256	48.3137	-0.708061	0.00014386	No
						Ube2d3	250.782	128.181	-0.968248	250.783	128.182	-0.9682459	0.00014386	No
						Ube2e2	2.79806	30.4181	3.44243	2.79906	30.4191	3.44196315	0.00014386	No
						Ube2e3	40.4764	63.6827	0.653822	40.4774	63.6837	0.65380753	0.00014386	No
						Ube2f	16.5477	37.5296	1.18139	16.5487	37.5306	1.18134947	0.00014386	No
						Ube2g1	55.3281	23.4013	-1.24142	55.3291	23.4023	-1.2413881	0.00014386	No
						Ube2h	59.2952	21.371	-1.47226	59.2962	21.372	-1.4722177	0.00014386	No
						Ube2i	169.808	90.0606	-0.914934	169.809	90.0616	-0.9149289	0.00014386	No
						Ube2j1	27.9107	16.2429	-0.781009	27.9117	16.2439	-0.7809719	0.00014386	No
						Ube2j2	102.087	49.5057	-1.04413	102.088	49.5067	-1.0441176	0.00014386	No
						Ube2l6	1.51166	6.84502	2.17892	1.51266	6.84602	2.17817776	0.00014386	No
						Ube2o	29.6634	8.01179	-1.88849	29.6644	8.01279	-1.888356	0.00014386	No
						Ube2q1	101.977	62.5908	-0.704223	101.978	62.5918	-0.7042124	0.00014386	No
						Ube2r2	176.009	110.493	-0.67169	176.01	110.494	-0.6716894	0.00014386	No
						Ube2v1	131.46	98.1138	-0.422091	131.461	98.1148	-0.4220922	0.00014386	No
						Ube3b	26.1391	36.2766	0.472826	26.1401	36.2776	0.47281436	0.00014386	No
						Ube3c	15.3495	10.227	-0.585812	15.3505	10.228	-0.5857616	0.00014386	No
						Ube4a	19.7282	7.82639	-1.33384	19.7292	7.82739	-1.3337292	0.00014386	No
						Ubl3	43.9235	60.9028	0.471516	43.9245	60.9038	0.47150638	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Ubl4a	7.64631	19.4313	1.34555	7.64731	19.4323	1.3454324	0.00014386	No
						Ubn1	19.2355	7.94889	-1.27495	19.2365	7.94989	-1.2748395	0.00014386	No
						Ubn2	8.36656	3.07253	-1.44521	8.36756	3.07353	-1.4449104	0.00014386	No
						Ubp1	71.4232	20.4617	-1.80347	71.4242	20.4627	-1.8034165	0.00014386	No
						Ubqln1	50.711	34.0144	-0.576154	50.712	34.0154	-0.5761391	0.00014386	No
						Ubr1	16.4337	8.5644	-0.940237	16.4347	8.5654	-0.9401526	0.00014386	No
						Ubr2	29.4899	11.2296	-1.39291	29.4909	11.2306	-1.3928348	0.00014386	No
						Ubr3	14.8967	9.35654	-0.670944	14.8977	9.35754	-0.6708884	0.00014386	No
						Ubr4	65.403	23.3437	-1.48633	65.404	23.3447	-1.4862838	0.00014386	No
						Ubr5	49.0552	32.9481	-0.574208	49.0562	32.9491	-0.5741964	0.00014386	No
						Ubr7	17.5704	9.4937	-0.888105	17.5714	9.4947	-0.8880348	0.00014386	No
						Ubxn11	0.227723	2.54297	3.48116	0.228723	2.54397	3.4754083	0.00014386	No
						Ubxn2b	4.78015	2.51617	-0.925828	4.78115	2.51717	-0.925555	0.00014386	No
						Ubxn8	3.986	7.98868	1.00302	3.987	7.98968	1.00283412	0.00014386	No
						Uchl1	7.35034	57.486	2.96733	7.35134	57.487	2.96715659	0.00014386	No
						Uchl5	21.9081	13.6115	-0.686645	21.9091	13.6125	-0.6865982	0.00014386	No
						Uck2	9.3343	3.37993	-1.46555	9.3353	3.38093	-1.4652762	0.00014386	No
						UCMA	0	2.00826	inf	0.001	2.00926	10.9724485	0.00014386	No
						Ucp2	607.231	63.6815	-3.2533	607.232	63.6825	-3.2532789	0.00014386	No
						Ufl1	12.5046	6.6703	-0.906634	12.5056	6.6713	-0.9065345	0.00014386	No
						Ufsp2	22.3048	46.0013	1.04432	22.3058	46.0023	1.0442871	0.00014386	No
						Ugcg	41.3197	12.9829	-1.67021	41.3207	12.9839	-1.6701409	0.00014386	No
						Ugdh	14.9736	43.6032	1.54201	14.9746	43.6042	1.54194964	0.00014386	No
						Uggt1	29.3315	7.19801	-2.02678	29.3325	7.19901	-2.0266296	0.00014386	No
						Ugp2	27.7756	50.2887	0.856419	27.7766	50.2897	0.85639293	0.00014386	No
						Ugt1a2	1.39319	65.6916	5.55925	1.39419	65.6926	5.55823178	0.00014386	No
						Ugt2b35	0	24.2474	inf	0.001	24.2484	14.5656019	0.00014386	No
						Uhrf1	2.14437	0.622534	-1.78433	2.14537	0.623534	-1.7826863	0.00014386	No
						Uhrf1bp1	0.16105	9.72658	5.91635	0.16205	9.72758	5.90757001	0.00014386	No
						Uhrf1bp1l	23.138	9.97729	-1.21354	23.139	9.97829	-1.213462	0.00014386	No
						Uhrf2	115.097	22.9282	-2.32765	115.098	22.9292	-2.3276048	0.00014386	No
						Ulk1	14.2403	29.7664	1.06371	14.2413	29.7674	1.06365237	0.00014386	No
						Ulk2	12.5283	6.29505	-0.992902	12.5293	6.29605	-0.9927869	0.00014386	No
						Umod	2.14602	1380.22	9.32902	2.14702	1380.221	9.32834794	0.00014386	No
						Unc119	37.5168	17.3778	-1.1103	37.5178	17.3788	-1.1102468	0.00014386	No
						Unc13b	1.11181	4.0883	1.87859	1.11281	4.0893	1.87764662	0.00014386	No
						Unc5b	4.27475	1.48711	-1.52333	4.27575	1.48811	-1.5226963	0.00014386	No
						Unc5cl	1.96799	8.10126	2.04142	1.96899	8.10226	2.0408686	0.00014386	No
						Ung	10.8022	24.6122	1.18805	10.8032	24.6132	1.18797352	0.00014386	No
						Unk	18.1534	11.4855	-0.660421	18.1544	11.4865	-0.66038	0.00014386	No
						Unkl	26.4271	6.94297	-1.9284	26.4281	6.94397	-1.9282401	0.00014386	No
						Upf1	36.0287	21.6553	-0.734424	36.0297	21.6563	-0.7343999	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Upf2	46.2502	24.0081	-0.945939	46.2512	24.0091	-0.9459095	0.00014386	No
						Upf3b	45.096	9.95801	-2.17907	45.097	9.95901	-2.1789572	0.00014386	No
						Upk1b	0	7.64883	inf	0.001	7.64983	12.901212	0.00014386	No
						Upk3bl	0	13.0883	inf	0.001	13.0893	13.6761003	0.00014386	No
						Upp1	1.2899	17.0213	3.72201	1.2909	17.0223	3.72097683	0.00014386	No
						Upp2	0	0.899435	inf	0.001	0.900435	9.81447833	0.00014386	No
						Uqcc	17.8967	28.7904	0.685895	17.8977	28.7914	0.68586374	0.00014386	No
						UQCRB	62.5322	271.336	2.11741	62.5332	271.337	2.11739154	0.00014386	No
						Uqcrc1	90.7201	284.252	1.64767	90.7211	284.253	1.64766554	0.00014386	No
						Uqcrc2	69.2852	143.126	1.04667	69.2862	143.127	1.04665591	0.00014386	No
						Uqcrfs1	95.2085	297.298	1.64275	95.2095	297.299	1.64273717	0.00014386	No
						Uqcrh	594.733	897.599	0.593828	594.734	897.6	0.59382812	0.00014386	No
						Uqcrq	291.66	1543.95	2.40427	291.661	1543.951	2.40426258	0.00014386	No
						Urad	0	15.815	inf	0.001	15.816	13.9490972	0.00014386	No
						Urb1	6.23014	0.849732	-2.87418	6.23114	0.850732	-2.8727195	0.00014386	No
						Urb2	4.57092	1.06412	-2.10283	4.57192	1.06512	-2.1017842	0.00014386	No
						Urgcp	7.76356	21.9691	1.50069	7.76456	21.9701	1.50056536	0.00014386	No
						Uri1	46.4783	14.6564	-1.66503	46.4793	14.6574	-1.6649591	0.00014386	No
						Urod	34.0047	84.6356	1.31553	34.0057	84.6366	1.31550508	0.00014386	No
						Uros	1.86687	3.84745	1.04328	1.86787	3.84845	1.04288345	0.00014386	No
						Use1	142.7	249.577	0.806493	142.701	249.578	0.80649532	0.00014386	No
						Usmg5	497.858	1948.34	1.96844	497.859	1948.341	1.96843709	0.00014386	No
						Uso1	25.8549	34.5681	0.419004	25.8559	34.5691	0.41898952	0.00014386	No
						Usp1	20.9283	7.77832	-1.42792	20.9293	7.77932	-1.4278081	0.00014386	No
						Usp14	32.0339	16.6803	-0.941453	32.0349	16.6813	-0.9414128	0.00014386	No
						Usp15	22.8676	13.4262	-0.768257	22.8686	13.4272	-0.7682096	0.00014386	No
						Usp16	37.1134	15.3547	-1.27326	37.1144	15.3557	-1.2732048	0.00014386	No
						Usp18	12.2183	4.87912	-1.32435	12.2193	4.88012	-1.3241731	0.00014386	No
						Usp20	7.58137	18.5052	1.2874	7.58237	18.5062	1.28728792	0.00014386	No
						Usp22	27.4607	18.9319	-0.536551	27.4617	18.9329	-0.5365255	0.00014386	No
						Usp24	38.1401	16.865	-1.17727	38.1411	16.866	-1.1772286	0.00014386	No
						Usp25	33.9727	15.9667	-1.08931	33.9737	15.9677	-1.0892618	0.00014386	No
						Usp28	82.3324	5.25278	-3.97031	82.3334	5.25378	-3.9700501	0.00014386	No
						Usp31	2.15466	0.914266	-1.23678	2.15566	0.915266	-1.2358667	0.00014386	No
						Usp33	23.7495	15.1064	-0.652732	23.7505	15.1074	-0.6527025	0.00014386	No
						USP34	16.5222	3.47109	-2.25094	16.5232	3.47209	-2.2506169	0.00014386	No
						Usp37	6.86365	2.73099	-1.32955	6.86465	2.73199	-1.329234	0.00014386	No
						Usp38	21.799	4.88471	-2.15792	21.8	4.88571	-2.157688	0.00014386	No
						USP39	24.0939	10.6244	-1.18128	24.0949	10.6254	-1.1812107	0.00014386	No
						Usp40	43.3192	8.18177	-2.40452	43.3202	8.18277	-2.4043787	0.00014386	No
						Usp42	7.23032	3.56956	-1.01831	7.23132	3.57056	-1.0181087	0.00014386	No
						Usp43	0	4.73201	inf	0.001	4.73301	12.2085423	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Usp45	10.5868	2.91931	-1.85857	10.5878	2.92031	-1.8582094	0.00014386	No
						Usp48	68.8423	14.8494	-2.21289	68.8433	14.8504	-2.2128145	0.00014386	No
						Usp5	31.2148	22.4992	-0.472355	31.2158	22.5002	-0.4723386	0.00014386	No
						Usp53	4.58486	13.0462	1.50868	4.58586	13.0472	1.50847601	0.00014386	No
						Usp6nl	9.32576	4.82219	-0.951533	9.32676	4.82319	-0.9513884	0.00014386	No
						Usp7	75.7811	29.271	-1.37237	75.7821	29.272	-1.3723358	0.00014386	No
						Usp8	14.6894	22.5393	0.617663	14.6904	22.5403	0.61763304	0.00014386	No
						Usp9x	18.771	8.0687	-1.2181	18.772	8.0697	-1.2179954	0.00014386	No
						Utp14a	16.7305	5.45429	-1.61702	16.7315	5.45529	-1.616839	0.00014386	No
						Utp18	18.7242	8.36773	-1.162	18.7252	8.36873	-1.1619005	0.00014386	No
						Utp20	5.73067	1.86944	-1.6161	5.73167	1.87044	-1.6155779	0.00014386	No
						Utp3	42.636	20.3701	-1.06562	42.637	20.3711	-1.065582	0.00014386	No
						Utp6	14.704	9.31528	-0.658538	14.705	9.31628	-0.6584809	0.00014386	No
						Utrn	53.2445	26.4864	-1.00738	53.2455	26.4874	-1.0073534	0.00014386	No
						Uvssa	2.48305	1.10496	-1.16812	2.48405	1.10596	-1.167395	0.00014386	No
						Vamp1	65.5159	7.28719	-3.16841	65.5169	7.28819	-3.1682346	0.00014386	No
						Vamp4	20.0669	7.0285	-1.51353	20.0679	7.0295	-1.5133957	0.00014386	No
						Vamp8	86.5262	285.027	1.71989	86.5272	285.028	1.71987803	0.00014386	No
						Vangl1	0.357354	4.28689	3.58451	0.358354	4.28789	3.58081053	0.00014386	No
						Vapa	95.8582	123.584	0.366518	95.8592	123.585	0.36651484	0.00014386	No
						Vapb	23.7167	38.7008	0.706461	23.7177	38.7018	0.70643655	0.00014386	No
						Vash2	0.0888508	10.2344	6.84783	0.0898508	10.2354	6.83182042	0.00014386	No
						Vasp	97.5925	27.7163	-1.81604	97.5935	27.7173	-1.8159983	0.00014386	No
						Vav1	40.4326	1.02214	-5.30585	40.4336	1.02314	-5.3044792	0.00014386	No
						Vcan	0.102026	1.38663	3.76457	0.103026	1.38763	3.75154256	0.00014386	No
						Vcl	1.6464	8.74645	2.40939	1.6474	8.74745	2.40867162	0.00014386	No
						Vcpip1	15.7239	3.76309	-2.06297	15.7249	3.76409	-2.0626778	0.00014386	No
						Vcpkmt	41.8401	25.7931	-0.6979	41.8411	25.7941	-0.6978797	0.00014386	No
						Vdac1	26.0386	276.45	3.40829	26.0396	276.451	3.4082446	0.00014386	No
						Vdac2	92.3987	181.841	0.976735	92.3997	181.842	0.97672538	0.00014386	No
						Vdac3	88.5449	155.98	0.816879	88.5459	155.981	0.81687289	0.00014386	No
						Vdr	0.326635	31.5675	6.59462	0.327635	31.5685	6.59025242	0.00014386	No
						Vegfa	0.206314	59.6259	8.17496	0.207314	59.6269	8.16800198	0.00014386	No
						Vegfb	2.72948	51.8233	4.24691	2.73048	51.8243	4.24640223	0.00014386	No
						Vegfc	0.259099	2.42871	3.22862	0.260099	2.42971	3.22365137	0.00014386	No
						VeZF1	27.9575	18.278	-0.613125	27.9585	18.279	-0.6130998	0.00014386	No
						Vhl	19.0155	26.5754	0.482911	19.0165	26.5764	0.48289395	0.00014386	No
						Vil1	0.0734787	16.1389	7.779	0.0744787	16.1399	7.75958803	0.00014386	No
						Vim	453.1	302.403	-0.583355	453.101	302.404	-0.5833555	0.00014386	No
						Vipr2	4.83288	0.304221	-3.98969	4.83388	0.305221	-3.9852555	0.00014386	No
						Vkorc1	7.51093	64.6799	3.10626	7.51193	64.6809	3.10608423	0.00014386	No
						Vma21	4.89574	12.2312	1.32096	4.89674	12.2322	1.3207904	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Vmac	16.1902	32.4441	1.00284	16.1912	32.4451	1.0027907	0.00014386	No
						Vnn1	0.60969	20.2814	5.05594	0.61069	20.2824	5.05364434	0.00014386	No
						Vopp1	67.9822	29.4016	-1.20926	67.9832	29.4026	-1.2092345	0.00014386	No
						Vprbp	21.7586	11.3215	-0.942516	21.7596	11.3225	-0.9424595	0.00014386	No
						Vps13a	26.116	7.22427	-1.85401	26.117	7.22527	-1.8538658	0.00014386	No
						Vps13b	22.2803	7.94635	-1.48741	22.2813	7.94735	-1.4872876	0.00014386	No
						Vps13c	14.3289	7.72089	-0.892087	14.3299	7.72189	-0.8920026	0.00014386	No
						Vps18	2.24812	4.90311	1.12498	2.24912	4.90411	1.1246307	0.00014386	No
						Vps25	59.1972	126.289	1.09313	59.1982	126.29	1.09311519	0.00014386	No
						Vps29	25.4776	96.0423	1.91444	25.4786	96.0433	1.91439897	0.00014386	No
						Vps33b	13.0971	8.24338	-0.667939	13.0981	8.24438	-0.6678746	0.00014386	No
						Vps36	55.5427	21.7141	-1.35497	55.5437	21.7151	-1.3549247	0.00014386	No
						Vps37b	92.6374	8.25274	-3.48865	92.6384	8.25374	-3.4884904	0.00014386	No
						Vps39	13.7165	9.69147	-0.501122	13.7175	9.69247	-0.5010813	0.00014386	No
						Vps45	9.50547	30.2234	1.66883	9.50647	30.2244	1.66873206	0.00014386	No
						Vps72	52.9331	29.4379	-0.846494	52.9341	29.4389	-0.8464736	0.00014386	No
						Vps9d1	11.0748	38.6063	1.80156	11.0758	38.6073	1.80146276	0.00014386	No
						Vrk1	33.2781	11.6431	-1.51509	33.2791	11.6441	-1.5150173	0.00014386	No
						Vrk2	9.71019	3.33363	-1.54241	9.71119	3.33463	-1.5421214	0.00014386	No
						Vsig10	0.0897714	10.3987	6.85593	0.0907714	10.3997	6.84008839	0.00014386	No
						Vsig10l	1.22975	9.24929	2.91097	1.23075	9.25029	2.90996086	0.00014386	No
						Vta1	34.6031	52.0821	0.589884	34.6041	52.0831	0.58987234	0.00014386	No
						Vtcn1	0	1.24476	inf	0.001	1.24576	10.2828104	0.00014386	No
						Vti1b	50.6474	75.6974	0.579756	50.6484	75.6984	0.57974611	0.00014386	No
						Vwa5b2	3.05805	0.305066	-3.32542	3.05905	0.306066	-3.321169	0.00014386	No
						Vwa7	0.0524972	4.78741	6.51086	0.0534972	4.78841	6.48393949	0.00014386	No
						Vwa8	7.62427	32.5055	2.09201	7.62527	32.5065	2.0918679	0.00014386	No
						Vwf	19.4316	5.15517	-1.91431	19.4326	5.15617	-1.9141072	0.00014386	No
						Wac	109.228	38.5039	-1.50426	109.229	38.5049	-1.504242	0.00014386	No
						Wapal	35.727	10.6602	-1.74478	35.728	10.6612	-1.7446853	0.00014386	No
						Was	127.215	6.85302	-4.21438	127.216	6.85402	-4.2141859	0.00014386	No
						Wasf2	38.5088	10.1985	-1.91684	38.5098	10.1995	-1.9167272	0.00014386	No
						Wash	57.2156	89.1951	0.640556	57.2166	89.1961	0.64054686	0.00014386	No
						Wbp1	63.3859	97.8063	0.625767	63.3869	97.8073	0.62575743	0.00014386	No
						Wbp11	14.5049	10.0741	-0.525895	14.5059	10.0751	-0.5258457	0.00014386	No
						Wbp1l	73.0915	23.9879	-1.6074	73.0925	23.9889	-1.6073564	0.00014386	No
						Wbp4	35.3849	18.9048	-0.90438	35.3859	18.9058	-0.9043457	0.00014386	No
						Wbp5	10.2067	210.695	4.36757	10.2077	210.696	4.36743319	0.00014386	No
						Wbscr27	11.3391	22.5014	0.98871	11.3401	22.5024	0.98864552	0.00014386	No
						Wdfy1	1.64445	10.1268	2.6225	1.64545	10.1278	2.62176673	0.00014386	No
						Wdfy3	0.0508084	9.87157	7.60207	0.0518084	9.87257	7.57409585	0.00014386	No
						Wdhd1	5.00202	0.730825	-2.77491	5.00302	0.731825	-2.7732286	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wdpcp	0.434935	4.20036	3.27164	0.435935	4.20136	3.26867147	0.00014386	No
						Wdr1	176.98	120.963	-0.549017	176.981	120.964	-0.5490167	0.00014386	No
						Wdr11	7.21498	21.1383	1.5508	7.21598	21.1393	1.55066036	0.00014386	No
						Wdr12	22.2322	11.2423	-0.983706	22.2332	11.2433	-0.9836501	0.00014386	No
						Wdr13	9.69492	16.2529	0.745393	9.69592	16.2539	0.74533622	0.00014386	No
						Wdr19	0.328624	1.74272	2.40683	0.329624	1.74372	2.4032752	0.00014386	No
						Wdr20	16.8882	9.63124	-0.810225	16.8892	9.63224	-0.8101577	0.00014386	No
						Wdr25	22.2281	5.61271	-1.98562	22.2291	5.61371	-1.9854231	0.00014386	No
						Wdr26	69.8253	15.6365	-2.15883	69.8263	15.6375	-2.1587606	0.00014386	No
						Wdr27	0.0597468	5.53257	6.53294	0.0607468	5.53357	6.50925832	0.00014386	No
						Wdr3	18.2184	6.09831	-1.57891	18.2194	6.09931	-1.5787575	0.00014386	No
						Wdr31	0.0598601	9.61776	7.32796	0.0608601	9.61876	7.30421041	0.00014386	No
						Wdr35	0.475087	12.0263	4.66186	0.476087	12.0273	4.65894376	0.00014386	No
						Wdr36	27.2246	14.8824	-0.87131	27.2256	14.8834	-0.8712597	0.00014386	No
						Wdr37	11.6485	6.15693	-0.919861	11.6495	6.15793	-0.9197507	0.00014386	No
						Wdr41	15.2559	8.6879	-0.812288	15.2569	8.6889	-0.8122164	0.00014386	No
						Wdr43	31.2869	9.20304	-1.76537	31.2879	9.20404	-1.7652657	0.00014386	No
						Wdr44	6.42659	1.74427	-1.88143	6.42759	1.74527	-1.8808277	0.00014386	No
						Wdr45	51.3212	31.446	-0.706677	51.3222	31.447	-0.7066606	0.00014386	No
						Wdr46	33.2835	21.4386	-0.634596	33.2845	21.4396	-0.6345725	0.00014386	No
						Wdr5	28.7043	13.7585	-1.06094	28.7053	13.7595	-1.0608891	0.00014386	No
						Wdr54	0.0355911	23.2655	9.35246	0.0365911	23.2665	9.3125457	0.00014386	No
						WDR55	125.633	63.9985	-0.973103	125.634	63.9995	-0.9730944	0.00014386	No
						Wdr6	12.3199	21.9982	0.836396	12.3209	21.9992	0.83634342	0.00014386	No
						Wdr60	0.284747	4.40546	3.95154	0.285747	4.40646	3.94680985	0.00014386	No
						Wdr61	26.5524	43.518	0.712773	26.5534	43.519	0.7127488	0.00014386	No
						Wdr7	4.91304	2.6743	-0.877455	4.91404	2.6753	-0.8772089	0.00014386	No
						Wdr70	21.6194	12.0584	-0.842283	21.6204	12.0594	-0.8422351	0.00014386	No
						Wdr72	0	13.0982	inf	0.001	13.0992	13.6771911	0.00014386	No
						Wdr73	6.5083	18.491	1.50647	6.5093	18.492	1.50632696	0.00014386	No
						Wdr75	28.2073	11.4314	-1.30306	28.2083	11.4324	-1.3029914	0.00014386	No
						Wdr76	4.46754	0.773581	-2.52985	4.46854	0.774581	-2.5283155	0.00014386	No
						Wdr91	14.6416	52.8278	1.85123	14.6426	52.8288	1.85115289	0.00014386	No
						Wdr92	8.3587	4.90036	-0.770389	8.3597	4.90136	-0.7702691	0.00014386	No
						Wdsub1	2.14429	10.0702	2.23152	2.14529	10.0712	2.230991	0.00014386	No
						Wdte1	29.6669	22.0136	-0.430461	29.6679	22.0146	-0.4304422	0.00014386	No
						Wdyhv1	4.62648	1.60364	-1.52856	4.62748	1.60464	-1.5279771	0.00014386	No
						Wfdc1	0	5.31652	inf	0.001	5.31752	12.3765378	0.00014386	No
						Wfdc10	0	2.9576	inf	0.001	2.9586	11.5306989	0.00014386	No
						Wfdc3	0	2.45651	inf	0.001	2.45751	11.2629816	0.00014386	No
						Wfs1	0.743787	5.6376	2.92212	0.744787	5.6386	2.92043721	0.00014386	No
						Whsc1	4.02071	11.7964	1.55283	4.02171	11.7974	1.55258798	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Wibg	109.25	23.2647	-2.23142	109.251	23.2657	-2.23137	0.00014386	No
						Wipf1	81.1011	2.94913	-4.78136	81.1021	2.95013	-4.7808888	0.00014386	No
						Wipf2	8.09931	5.87609	-0.462942	8.10031	5.87709	-0.4628751	0.00014386	No
						Wipf3	7.1299	0.930065	-2.93848	7.1309	0.931065	-2.9371304	0.00014386	No
						Wipi1	0.195676	10.86	5.79441	0.196676	10.861	5.78719221	0.00014386	No
						Wisp3	7.78081	1.95141	-1.99541	7.78181	1.95241	-1.9948497	0.00014386	No
						Wiz	10.7628	16.2461	0.59404	10.7638	16.2471	0.59399474	0.00014386	No
						Wls	4.93242	140.907	4.8363	4.93342	140.908	4.8360216	0.00014386	No
						Wnt11	0	0.984857	inf	0.001	0.985857	9.94523459	0.00014386	No
						Wnt5a	0	2.65339	inf	0.001	2.65439	11.3741646	0.00014386	No
						Wrap73	15.7163	6.27718	-1.32408	15.7173	6.27818	-1.3239351	0.00014386	No
						Wrb	4.43049	11.8544	1.41989	4.43149	11.8554	1.41968058	0.00014386	No
						Wrn	10.5241	3.0213	-1.80045	10.5251	3.0223	-1.8001152	0.00014386	No
						Wsb2	8.84378	51.6115	2.54496	8.84478	51.6125	2.54482235	0.00014386	No
						Wscd1	0.144319	4.1417	4.84289	0.145319	4.1427	4.8332761	0.00014386	No
						Wtap	63.4229	22.1811	-1.51567	63.4239	22.1821	-1.5156306	0.00014386	No
						Wwc1	0.0876718	122.597	10.4495	0.0886718	122.598	10.4331725	0.00014386	No
						Wwc3	1.11397	5.1986	2.22242	1.11497	5.1996	2.22139575	0.00014386	No
						Wwox	3.93756	13.8489	1.8144	3.93856	13.8499	1.8141354	0.00014386	No
						Wwp1	1.24752	35.2905	4.82215	1.24852	35.2915	4.82102991	0.00014386	No
						XAF1	21.0815	5.77014	-1.8693	21.0825	5.77114	-1.8691177	0.00014386	No
						XBP1	23.9842	51.3594	1.09854	23.9852	51.3604	1.09851197	0.00014386	No
						Xcl1	2.81249	15.3853	2.45163	2.81349	15.3863	2.4512136	0.00014386	No
						Xdh	0.97367	10.3905	3.41569	0.97467	10.3915	3.41434627	0.00014386	No
						Xiap	18.6303	8.11619	-1.19878	18.6313	8.11719	-1.1986761	0.00014386	No
						Xkr5	0.274637	1.47994	2.42994	0.275637	1.48094	2.42567173	0.00014386	No
						Xkrx	22.6158	1.49189	-3.92212	22.6168	1.49289	-3.921215	0.00014386	No
						Xpnpep1	17.6435	110.809	2.65087	17.6445	110.81	2.65079763	0.00014386	No
						Xpnpep2	0.252288	12.2921	5.60652	0.253288	12.2931	5.60092623	0.00014386	No
						Xpo1	38.2308	15.8961	-1.26606	38.2318	15.8971	-1.2660095	0.00014386	No
						Xpo4	8.52231	2.38707	-1.836	8.52331	2.38807	-1.8355687	0.00014386	No
						Xpo6	107	43.0596	-1.31321	107.001	43.0606	-1.313184	0.00014386	No
						Xpot	6.65467	11.0665	0.733755	6.65567	11.0675	0.73367356	0.00014386	No
						Xpr1	8.3967	4.69366	-0.83911	8.3977	4.69466	-0.8389736	0.00014386	No
						Xrcc1	29.5655	48.8046	0.723101	29.5665	48.8056	0.72308322	0.00014386	No
						Xrcc4	2.01859	7.06612	1.80757	2.01959	7.06712	1.80705997	0.00014386	No
						Xrcc6bp1	9.53468	47.5358	2.31776	9.53568	47.5368	2.31763706	0.00014386	No
						Xrn1	10.6964	5.76749	-0.891112	10.6974	5.76849	-0.8909946	0.00014386	No
						Xrn2	48.8965	12.4622	-1.97217	48.8975	12.4632	-1.9720862	0.00014386	No
						Xxylt1	5.78589	12.7661	1.1417	5.78689	12.7671	1.14157073	0.00014386	No
						Xylb	5.60951	75.5853	3.75216	5.61051	75.5863	3.75192095	0.00014386	No
						Xylt2	29.38	8.77384	-1.74355	29.381	8.77484	-1.7434388	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Yae1d1	4.17085	9.25247	1.1495	4.17185	9.25347	1.14930718	0.00014386	No
						Ybey	1.35278	13.974	3.36875	1.35378	13.975	3.36778307	0.00014386	No
						YBX1	167.456	310.286	0.889818	167.457	310.287	0.88981257	0.00014386	No
						Yeats4	49.0548	26.4116	-0.893224	49.0558	26.4126	-0.8931974	0.00014386	No
						Yes1	0	7.34545	inf	0.001	7.34645	12.8428316	0.00014386	No
						Yif1a	12.62	32.2303	1.3527	12.621	32.2313	1.35263615	0.00014386	No
						Yif1b	26.5031	47.7066	0.848029	26.5041	47.7076	0.84800356	0.00014386	No
						Yipf4	20.5855	38.3772	0.898625	20.5865	38.3782	0.89858848	0.00014386	No
						YME1L1	13.5505	6.54161	-1.05063	13.5515	6.54261	-1.0505144	0.00014386	No
						Ypel1	0.3376	6.92314	4.35804	0.3386	6.92414	4.35398102	0.00014386	No
						Ypel3	346.708	107.902	-1.684	346.709	107.903	-1.6839903	0.00014386	No
						Yrdc	37.1182	18.0331	-1.04148	37.1192	18.0341	-1.0414382	0.00014386	No
						Ythdc1	80.0878	31.1595	-1.36191	80.0888	31.1605	-1.3618821	0.00014386	No
						Ythdc2	9.25619	2.80885	-1.72044	9.25719	2.80985	-1.7200812	0.00014386	No
						Ythdf1	31.9602	15.5101	-1.04307	31.9612	15.5111	-1.0430206	0.00014386	No
						Ythdf2	18.9096	9.58726	-0.979925	18.9106	9.58826	-0.9798542	0.00014386	No
						Ythdf3	23.3576	14.9711	-0.641716	23.3586	14.9721	-0.6416772	0.00014386	No
						Ywhab	123.648	77.4674	-0.67458	123.649	77.4684	-0.6745707	0.00014386	No
						Ywhae	136.992	301.332	1.13726	136.993	301.333	1.1372565	0.00014386	No
						Ywhag	15.3689	36.5218	1.24875	15.3699	36.5228	1.24868959	0.00014386	No
						Ywhah	171.812	110.958	-0.630811	171.813	110.959	-0.6308125	0.00014386	No
						YWHAZ	342.888	214.937	-0.673826	342.889	214.938	-0.6738211	0.00014386	No
						Yy1	53.7584	25.2621	-1.08951	53.7594	25.2631	-1.0894854	0.00014386	No
						Zadh2	9.60895	15.1368	0.655606	9.60995	15.1378	0.65555472	0.00014386	No
						Zak	1.21907	9.39357	2.9459	1.22007	9.39457	2.94486321	0.00014386	No
						Zap70	148.164	12.5757	-3.55849	148.165	12.5767	-3.5583794	0.00014386	No
						Zbed3	5.49953	18.4354	1.7451	5.50053	18.4364	1.74491443	0.00014386	No
						Zbed4	6.30783	2.68549	-1.23196	6.30883	2.68649	-1.23165	0.00014386	No
						Zbp1	66.4799	14.0501	-2.24234	66.4809	14.0511	-2.2422568	0.00014386	No
						Zbtb1	26.8586	7.74456	-1.79413	26.8596	7.74556	-1.7939964	0.00014386	No
						Zbtb11	12.9675	4.71411	-1.45985	12.9685	4.71511	-1.4596483	0.00014386	No
						Zbtb25	8.05098	0.93989	-3.0986	8.05198	0.94089	-3.0972456	0.00014386	No
						Zbtb32	7.37632	1.73586	-2.08725	7.37732	1.73686	-2.0866153	0.00014386	No
						Zbtb34	7.23461	1.16868	-2.63004	7.23561	1.16968	-2.6290008	0.00014386	No
						Zbtb37	2.26584	0.996226	-1.1855	2.26684	0.997226	-1.1846902	0.00014386	No
						Zbtb38	2.45178	5.19449	1.08315	2.45278	5.19549	1.08284198	0.00014386	No
						Zbtb4	11.5498	17.8373	0.627022	11.5508	17.8383	0.62698536	0.00014386	No
						Zbtb40	25.4423	9.10169	-1.48302	25.4433	9.10269	-1.4829209	0.00014386	No
						Zbtb42	1.71341	5.0994	1.57346	1.71441	5.1004	1.57289822	0.00014386	No
						Zbtb43	6.26224	3.84096	-0.705211	6.26324	3.84196	-0.7050667	0.00014386	No
						Zbtb44	21.4156	6.16768	-1.79586	21.4166	6.16868	-1.7956957	0.00014386	No
						Zbtb47	0.062801	5.7981	6.52865	0.063801	5.7991	6.50610617	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zbtb6	7.07237	2.82268	-1.32513	7.07337	2.82368	-1.3248211	0.00014386	No
						Zbtb8a	0.38208	4.28188	3.4863	0.38308	4.28288	3.48286364	0.00014386	No
						Zbtb8os	51.3466	83.8689	0.707867	51.3476	83.8699	0.70785629	0.00014386	No
						Zc3h11a	56.9937	18.8996	-1.59245	56.9947	18.9006	-1.5923957	0.00014386	No
						Zc3h12d	42.1167	1.34355	-4.97027	42.1177	1.34455	-4.9692313	0.00014386	No
						Zc3h13	18.6131	10.3113	-0.852097	18.6141	10.3123	-0.8520297	0.00014386	No
						Zc3h14	21.6617	31.0988	0.521707	21.6627	31.0998	0.52169223	0.00014386	No
						Zc3h15	83.7813	35.918	-1.22192	83.7823	35.919	-1.2218983	0.00014386	No
						Zc3h18	24.5156	14.5783	-0.749879	24.5166	14.5793	-0.7498375	0.00014386	No
						Zc3h3	16.9936	10.6009	-0.680812	16.9946	10.6019	-0.6807536	0.00014386	No
						Zc3h4	24.2351	10.3481	-1.22774	24.2361	10.3491	-1.2276523	0.00014386	No
						Zc3h7a	92.3025	15.5393	-2.57045	92.3035	15.5403	-2.570371	0.00014386	No
						Zc3hav1	77.2695	8.29573	-3.21946	77.2705	8.29673	-3.219303	0.00014386	No
						Zc3hc1	20.4464	10.9696	-0.898331	20.4474	10.9706	-0.898275	0.00014386	No
						Zc4h2	6.52818	2.37432	-1.45917	6.52918	2.37532	-1.4587799	0.00014386	No
						Zcchc11	11.8373	3.91835	-1.59502	11.8383	3.91935	-1.5947756	0.00014386	No
						Zcchc2	26.311	3.01488	-3.12549	26.312	3.01588	-3.12507	0.00014386	No
						Zcchc3	0.549107	3.22084	2.55228	0.550107	3.22184	2.55010068	0.00014386	No
						Zcchc6	29.6177	10.6792	-1.47166	29.6187	10.6802	-1.4715697	0.00014386	No
						Zcchc7	55.9545	16.1399	-1.79363	55.9555	16.1409	-1.7935589	0.00014386	No
						Zcchc8	30.908	12.236	-1.33685	30.909	12.237	-1.3367771	0.00014386	No
						Zcchc9	30.2132	19.0844	-0.662788	30.2142	19.0854	-0.6627573	0.00014386	No
						Zdhhc1	0.507661	27.0805	5.73724	0.508661	27.0815	5.73445936	0.00014386	No
						Zdhhc14	11.5899	5.47078	-1.08305	11.5909	5.47178	-1.0829105	0.00014386	No
						Zdhhc17	15.616	5.42387	-1.52563	15.617	5.42487	-1.5254569	0.00014386	No
						Zdhhc20	10.3909	5.25131	-0.984576	10.3919	5.25231	-0.9844355	0.00014386	No
						Zdhhc23	1.09372	8.57192	2.97038	1.09472	8.57292	2.96922477	0.00014386	No
						Zdhhc4	18.993	31.237	0.717787	18.994	31.238	0.71775833	0.00014386	No
						Zdhhc9	4.82844	10.0542	1.05816	4.82944	10.0552	1.05801396	0.00014386	No
						Zeb1	7.45453	1.69913	-2.13332	7.45553	1.70013	-2.1326658	0.00014386	No
						Zfand1	6.4193	9.80098	0.610511	6.4203	9.80198	0.61043249	0.00014386	No
						Zfand3	63.3633	45.6937	-0.471651	63.3643	45.6947	-0.4716434	0.00014386	No
						Zfand4	3.16227	7.12885	1.17271	3.16327	7.12985	1.17245502	0.00014386	No
						Zfand5	22.5231	31.6824	0.49228	22.5241	31.6834	0.4922577	0.00014386	No
						Zfand6	115.771	54.9025	-1.07633	115.772	54.9035	-1.0763163	0.00014386	No
						Zfat	43.5898	2.55251	-4.094	43.5908	2.55351	-4.0934701	0.00014386	No
						Zfc3h1	56.4119	8.64627	-2.70585	56.4129	8.64727	-2.7057085	0.00014386	No
						Zfp1	8.66496	4.52617	-0.936904	8.66596	4.52717	-0.9367501	0.00014386	No
						Zfp101	8.45797	1.27547	-2.72928	8.45897	1.27647	-2.7283224	0.00014386	No
						Zfp110	26.8343	9.25412	-1.53591	26.8353	9.25512	-1.5358084	0.00014386	No
						Zfp112	0.668412	1.71236	1.35717	0.669412	1.71336	1.35586199	0.00014386	No
						Zfp120	7.82396	1.69982	-2.20251	7.82496	1.70082	-2.2018529	0.00014386	No

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gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp128	4.65417	1.86501	-1.31934	4.65517	1.86601	-1.3188771	0.00014386	No
						Zfp13	0	1.27103	inf	0.001	1.27203	10.312917	0.00014386	No
						Zfp131	26.4608	5.99548	-2.14191	26.4618	5.99648	-2.1417234	0.00014386	No
						Zfp133	5.963	8.58485	0.525754	5.964	8.58585	0.52568071	0.00014386	No
						Zfp142	18.7341	6.998	-1.42065	18.7351	6.999	-1.420523	0.00014386	No
						Zfp143	10.0348	6.13411	-0.71009	10.0358	6.13511	-0.7099945	0.00014386	No
						Zfp146	22.6717	7.97504	-1.50733	22.6727	7.97604	-1.5072117	0.00014386	No
						Zfp157	7.14106	3.22269	-1.14787	7.14206	3.22369	-1.1476272	0.00014386	No
						Zfp161	10.6926	6.33761	-0.754596	10.6936	6.33861	-0.7545092	0.00014386	No
						Zfp167	0.324689	1.2973	1.99839	0.325689	1.2983	1.99505689	0.00014386	No
						Zfp169	3.27267	0.707021	-2.21064	3.27367	0.708021	-2.2090448	0.00014386	No
						Zfp18	16.7615	10.5562	-0.667061	16.7625	10.5572	-0.6670101	0.00014386	No
						Zfp182	9.79399	2.74202	-1.83666	9.79499	2.74302	-1.8362789	0.00014386	No
						Zfp185	0.0463089	12.3595	8.06012	0.0473089	12.3605	8.02940977	0.00014386	No
						Zfp187	47.1449	10.1862	-2.21049	47.1459	10.1872	-2.2103747	0.00014386	No
						Zfp192	2.08447	1.19703	-0.800219	2.08547	1.19803	-0.7997085	0.00014386	No
						ZFP212	12.7819	5.54627	-1.20451	12.7829	5.54727	-1.2043653	0.00014386	No
						Zfp213	8.11187	13.3289	0.716453	8.11287	13.3299	0.71638168	0.00014386	No
						Zfp217	19.0842	5.64101	-1.75835	19.0852	5.64201	-1.7581732	0.00014386	No
						Zfp236	11.7932	3.22505	-1.87057	11.7942	3.22605	-1.8702369	0.00014386	No
						Zfp238	29.6532	8.93965	-1.7299	29.6542	8.94065	-1.7297848	0.00014386	No
						Zfp251	6.19894	3.62858	-0.772615	6.19994	3.62958	-0.7724516	0.00014386	No
						Zfp259	62.8027	26.2305	-1.25958	62.8037	26.2315	-1.2595492	0.00014386	No
						Zfp26	6.84299	1.91829	-1.83481	6.84399	1.91929	-1.8342649	0.00014386	No
						Zfp263	7.55688	2.64999	-1.5118	7.55788	2.65099	-1.5114504	0.00014386	No
						Zfp275	6.3332	0.987986	-2.68037	6.3342	0.988986	-2.6791404	0.00014386	No
						Zfp280c	3.64169	0.885103	-2.04069	3.64269	0.886103	-2.0394579	0.00014386	No
						Zfp280d	20.6601	10.0893	-1.03402	20.6611	10.0903	-1.033948	0.00014386	No
						Zfp281	7.00638	2.39599	-1.54805	7.00738	2.39699	-1.5476512	0.00014386	No
						Zfp292	10.641	2.2361	-2.25057	10.642	2.2371	-2.2500677	0.00014386	No
						Zfp3	12.584	3.15796	-1.99453	12.585	3.15896	-1.9941836	0.00014386	No
						Zfp316	0.969384	2.60088	1.42386	0.970384	2.60188	1.42292676	0.00014386	No
						Zfp317	8.62297	4.43364	-0.959694	8.62397	4.43464	-0.9595352	0.00014386	No
						Zfp319	3.26154	1.28563	-1.34308	3.26254	1.28663	-1.3423984	0.00014386	No
						Zfp329	1.69162	1.08783	-0.63695	1.69262	1.08883	-0.6364794	0.00014386	No
						Zfp346	6.03187	10.1534	0.751281	6.03287	10.1544	0.7511886	0.00014386	No
						Zfp347	10.57	3.5823	-1.56101	10.571	3.5833	-1.5607511	0.00014386	No
						Zfp354a	0.721959	15.4723	4.42163	0.722959	15.4733	4.41972327	0.00014386	No
						Zfp354c	3.28991	1.03525	-1.66808	3.29091	1.03625	-1.6671145	0.00014386	No
						Zfp3612	392.255	35.6842	-3.45843	392.256	35.6852	-3.4583978	0.00014386	No
						Zfp382	2.417	0.662927	-1.8663	2.418	0.663927	-1.8647177	0.00014386	No
						Zfp383	5.39583	2.93238	-0.879773	5.39683	2.93338	-0.8795483	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp384	32.394	14.7608	-1.13396	32.395	14.7618	-1.1339025	0.00014386	No
						Zfp385c	14.2786	0.374007	-5.25465	14.2796	0.375007	-5.2508942	0.00014386	No
						Zfp386	55.6606	12.7521	-2.12592	55.6616	12.7531	-2.1258344	0.00014386	No
						Zfp39	0.863504	1.75862	1.02617	0.864504	1.75962	1.02531936	0.00014386	No
						Zfp394	15.0533	4.81163	-1.64549	15.0543	4.81263	-1.6452782	0.00014386	No
						Zfp398	3.19558	1.33281	-1.26161	3.19658	1.33381	-1.260976	0.00014386	No
						Zfp40	2.41336	0.821317	-1.55503	2.41436	0.822317	-1.5538742	0.00014386	No
						Zfp407	9.94789	3.00869	-1.72526	9.94889	3.00969	-1.7249207	0.00014386	No
						Zfp41	2.34321	0.996496	-1.23355	2.34421	0.997496	-1.2327189	0.00014386	No
						Zfp418	0.256302	1.06283	2.052	0.257302	1.06383	2.04773305	0.00014386	No
						Zfp422	16.439	11.7522	-0.484198	16.44	11.7532	-0.4841567	0.00014386	No
						Zfp426	7.28717	4.96029	-0.554934	7.28817	4.96129	-0.5548413	0.00014386	No
						Zfp444	11.7475	22.3194	0.925949	11.7485	22.3204	0.92588631	0.00014386	No
						Zfp445	9.03203	6.84567	-0.399858	9.03303	6.84667	-0.3998075	0.00014386	No
						Zfp449	0	1.86466	inf	0.001	1.86566	10.8654704	0.00014386	No
						Zfp451	13.3473	7.29984	-0.870614	13.3483	7.30084	-0.8705216	0.00014386	No
						Zfp455	38.9868	9.81158	-1.99043	38.9878	9.81258	-1.9903183	0.00014386	No
						Zfp462	0.0568767	8.93698	7.29581	0.0578767	8.93798	7.27082234	0.00014386	No
						Zfp467	6.02799	14.9689	1.31222	6.02899	14.9699	1.31207634	0.00014386	No
						Zfp472	19.535	2.91819	-2.74292	19.536	2.91919	-2.7424951	0.00014386	No
						Zfp496	12.6463	7.87638	-0.683108	12.6473	7.87738	-0.6830416	0.00014386	No
						Zfp507	8.76546	2.37351	-1.88481	8.76646	2.37451	-1.8843646	0.00014386	No
						Zfp511	23.4423	15.1668	-0.628191	23.4433	15.1678	-0.6281638	0.00014386	No
						Zfp512b	11.0134	7.34835	-0.583767	11.0144	7.34935	-0.5837023	0.00014386	No
						Zfp518a	5.21007	1.79292	-1.53899	5.21107	1.79392	-1.5384641	0.00014386	No
						Zfp52	24.7641	8.82997	-1.48777	24.7651	8.83097	-1.4876646	0.00014386	No
						Zfp523	5.32444	21.4323	2.00908	5.32544	21.4333	2.00888136	0.00014386	No
						Zfp526	4.4385	1.22554	-1.85666	4.4395	1.22654	-1.8558029	0.00014386	No
						Zfp54	54.8923	12.427	-2.14312	54.8933	12.428	-2.1430359	0.00014386	No
						Zfp574	3.67221	12.7661	1.79759	3.67321	12.7671	1.79731758	0.00014386	No
						Zfp592	12.0558	5.4067	-1.1569	12.0568	5.4077	-1.15676	0.00014386	No
						Zfp597	4.96432	1.37633	-1.85076	4.96532	1.37733	-1.8500124	0.00014386	No
						Zfp598	24.9463	16.309	-0.613159	24.9473	16.31	-0.6131269	0.00014386	No
						Zfp608	1.60429	3.21986	1.00506	1.60529	3.22086	1.00461201	0.00014386	No
						Zfp612	1.30179	4.13131	1.6661	1.30279	4.13231	1.66534394	0.00014386	No
						Zfp618	0	0.992709	inf	0.001	0.993709	9.95667962	0.00014386	No
						Zfp626	2.95969	0.53067	-2.47956	2.96069	0.53167	-2.4773305	0.00014386	No
						Zfp628	7.89973	2.45127	-1.68827	7.90073	2.45227	-1.6878681	0.00014386	No
						Zfp629	1.55616	5.51777	1.8261	1.55716	5.51877	1.82542957	0.00014386	No
						Zfp639	10.1208	6.13835	-0.721395	10.1218	6.13935	-0.721308	0.00014386	No
						Zfp646	16.0649	3.90892	-2.03907	16.0659	3.90992	-2.0387908	0.00014386	No
						Zfp654	8.10074	2.5821	-1.64951	8.10174	2.5831	-1.6491283	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zfp658	2.0101	0.953169	-1.07646	2.0111	0.954169	-1.0756681	0.00014386	No
						Zfp664	6.26129	13.6424	1.12356	6.26229	13.6434	1.12344099	0.00014386	No
						Zfp672	3.19133	8.34725	1.38714	3.19233	8.34825	1.38686401	0.00014386	No
						Zfp68	12.8886	7.74576	-0.734617	12.8896	7.74676	-0.7345425	0.00014386	No
						Zfp691	2.99109	13.2108	2.14297	2.99209	13.2118	2.14260156	0.00014386	No
						Zfp709	6.98006	2.68667	-1.37742	6.98106	2.68767	-1.3770901	0.00014386	No
						Zfp715	18.173	3.60395	-2.33414	18.174	3.60495	-2.3338248	0.00014386	No
						Zfp740	32.4369	13.2304	-1.29377	32.4379	13.2314	-1.2937147	0.00014386	No
						Zfp746	14.8684	6.98731	-1.08944	14.8694	6.98831	-1.0893309	0.00014386	No
						Zfp768	0.255636	13.8726	5.762	0.256636	13.8736	5.75647482	0.00014386	No
						Zfp771	29.0462	45.0452	0.633026	29.0472	45.0462	0.63300631	0.00014386	No
						Zfp775	6.75269	12.4217	0.879324	6.75369	12.4227	0.8792309	0.00014386	No
						Zfp777	19.952	10.18	-0.970796	19.953	10.181	-0.9707264	0.00014386	No
						Zfp787	10.5136	21.7204	1.04679	10.5146	21.7214	1.04672312	0.00014386	No
						Zfp788	12.6	5.35116	-1.2355	12.601	5.35216	-1.2353451	0.00014386	No
						Zfp799	3.18045	1.68453	-0.916881	3.18145	1.68553	-0.9164821	0.00014386	No
						Zfp800	15.7818	2.52167	-2.64581	15.7828	2.52267	-2.6453298	0.00014386	No
						Zfp821	11.1296	19.7917	0.830491	11.1306	19.7927	0.83043707	0.00014386	No
						Zfp830	18.7836	10.2482	-0.874094	18.7846	10.2492	-0.8740391	0.00014386	No
						Zfp84	7.59746	2.75629	-1.46279	7.59846	2.75729	-1.462456	0.00014386	No
						Zfp85	3.32363	1.17332	-1.50216	3.32463	1.17432	-1.5013682	0.00014386	No
						Zfp850	3.84695	1.45258	-1.4051	3.84795	1.45358	-1.4044796	0.00014386	No
						Zfp853	0.262862	3.34371	3.66907	0.263862	3.34471	3.66402563	0.00014386	No
						Zfp862	4.08513	0.457143	-3.15966	4.08613	0.458143	-3.1568652	0.00014386	No
						Zfp866	5.52307	2.49376	-1.14715	5.52407	2.49476	-1.1468306	0.00014386	No
						Zfp868	93.1488	20.976	-2.15079	93.1498	20.977	-2.1507443	0.00014386	No
						ZFP87	13.4778	6.12845	-1.13699	13.4788	6.12945	-1.1368625	0.00014386	No
						Zfp870	0.240481	2.1876	3.18535	0.241481	2.1886	3.18002672	0.00014386	No
						Zfp871	12.2384	4.51746	-1.43783	12.2394	4.51846	-1.4376298	0.00014386	No
						Zfp882	2.56727	1.31898	-0.960809	2.56827	1.31998	-0.9602808	0.00014386	No
						Zfp94	7.08642	2.56991	-1.46334	7.08742	2.57091	-1.4629814	0.00014386	No
						Zfp943	9.09784	2.70966	-1.74741	9.09884	2.71066	-1.7470385	0.00014386	No
						Zfp955a	2.8254	5.54837	0.973608	2.8264	5.54937	0.97335834	0.00014386	No
						Zfp956	8.59119	2.69069	-1.67488	8.59219	2.69169	-1.6745136	0.00014386	No
						Zfp958	48.5241	17.1115	-1.50374	48.5251	17.1125	-1.5036806	0.00014386	No
						Zfpl1	18.3536	26.0354	0.504414	18.3546	26.0364	0.50438831	0.00014386	No
						Zfpm1	26.1499	5.58051	-2.22833	26.1509	5.58151	-2.2281332	0.00014386	No
						Zfx	13.4239	4.51729	-1.57128	13.4249	4.51829	-1.5710626	0.00014386	No
						Zfyve16	1.07517	5.16781	2.26498	1.07617	5.16881	2.26392618	0.00014386	No
						Zfyve21	3.82699	67.8	4.147	3.82799	67.801	4.14664759	0.00014386	No
						Zfyve26	5.4915	3.3657	-0.706291	5.4925	3.3667	-0.7061278	0.00014386	No
						Zfyve9	0.100311	4.57653	5.51171	0.101311	4.57753	5.49770661	0.00014386	No

RRBS						RNAseq								
gene	Blood	Kidney	methyl.diff	pMWU.fdr	Match ?	gene	blood	kidney	log2(fold_ratio)	blood+ 0.001	kidney+ 0.001	log2(fold_ratio)	q_value	Match ?
						Zkscan1	4.86516	11.5743	1.25037	4.86616	11.5753	1.25019392	0.00014386	No
						Zmat3	3.58903	2.0085	-0.837473	3.59003	2.0095	-0.8371593	0.00014386	No
						Zmiz1	38.7299	21.7028	-0.835567	38.7309	21.7038	-0.8355374	0.00014386	No
						Zmym1	17.6974	6.89988	-1.35889	17.6984	6.90088	-1.3587667	0.00014386	No
						Zmym2	26.3731	9.89101	-1.41488	26.3741	9.89201	-1.4147863	0.00014386	No
						Zmym3	9.05862	6.00366	-0.593449	9.05962	6.00466	-0.593368	0.00014386	No
						Zmym4	5.91619	3.77223	-0.649251	5.91719	3.77323	-0.6491122	0.00014386	No
						Zmym6	15.5955	9.29001	-0.747378	15.5965	9.29101	-0.747315	0.00014386	No
						Zmynd11	41.7015	26.8287	-0.63632	41.7025	26.8297	-0.636303	0.00014386	No
						Zmynd15	0.0676079	9.72047	7.16769	0.0686079	9.72147	7.14665596	0.00014386	No
						Zmynd8	53.4007	21.126	-1.33784	53.4017	21.127	-1.3377977	0.00014386	No
						Znhit1	36.1238	73.6353	1.02745	36.1248	73.6363	1.02742754	0.00014386	No
						Znrd1	104.791	45.5981	-1.20047	104.792	45.5991	-1.2004513	0.00014386	No
						Znrf1	102.253	40.0267	-1.35311	102.254	40.0277	-1.3530867	0.00014386	No
						Znrf2	41.1123	11.1255	-1.88569	41.1133	11.1265	-1.8856053	0.00014386	No
						Znrf3	4.48662	2.10373	-1.09268	4.48762	2.10473	-1.0923153	0.00014386	No
						Zpbp2	25.9627	9.95567	-1.38285	25.9637	9.95667	-1.3827608	0.00014386	No
						Zranb3	2.4556	1.30218	-0.915141	2.4566	1.30318	-0.9146266	0.00014386	No
						Zrsr2	25.788	13.059	-0.981656	25.789	13.06	-0.9816009	0.00014386	No
						ZSCAN12	5.23744	9.48169	0.856282	5.23844	9.48269	0.85615913	0.00014386	No
						Zscan20	1.14481	2.84391	1.31277	1.14581	2.84491	1.31201518	0.00014386	No
						Zswim5	3.88222	2.28839	-0.762548	3.88322	2.28939	-0.7622902	0.00014386	No
						Zswim6	14.3012	2.24072	-2.6741	14.3022	2.24172	-2.6735591	0.00014386	No
						Zufsp	41.8868	14.228	-1.55776	41.8878	14.229	-1.5576958	0.00014386	No
						Zw10	13.1282	5.83573	-1.16969	13.1292	5.83673	-1.1695468	0.00014386	No
						Zxdc	10.6638	5.59739	-0.92989	10.6648	5.59839	-0.929773	0.00014386	No
						Zyg11b	4.16651	2.76462	-0.591761	4.16751	2.76562	-0.5915827	0.00014386	No
						Zyx	89.7818	62.6023	-0.520209	89.7828	62.6033	-0.5202004	0.00014386	No
						Zzef1	13.496	3.78134	-1.83556	13.497	3.78234	-1.8352878	0.00014386	No
						Zzz3	18.69	9.26819	-1.01191	18.691	9.26919	-1.0118286	0.00014386	No

Figure 4B

Canonical Pathways/ Activation score				
	MCWLS	MCWHS	CRLLS	CRLHS
Glycolysis I	2.236	2.236	1.633	2.449
EIF2 Signaling	-1.897	-2.111	-1.414	-2.111
Osteoarthritis Pathway	1	2.309	2.111	2.111
Endothelin-1 Signaling	1.667	1.414	2.111	1.414
CXCR4 Signaling	1.414	1.414	2.121	1.633
Glioblastoma Multiforme Signaling	0.816	1.897	1.89	1.667
D-myo-inositol-5-phosphate Metabolism	1.134	1.342	2.887	0.905
Integrin Signaling	1.732	1.387	1.265	1.732
AMPK Signaling	1.508	1.155	1.897	1.508
3-phosphoinositide Degradation	1.134	1	2.53	1.265
Superpathway of Inositol Phosphate Compounds	0.832	1	2.357	1.414
Fcy Receptor-mediated Phagocytosis in Macrophages and Monocytes	1.89	2.236	1.342	N/A
Sphingosine-1-phosphate Signaling	0.816	1.265	2.121	1
Dendritic Cell Maturation	0.632	1.265	2.111	1.155
D-myo-inositol (1,4,5,6)-Tetrakisphosphate Biosynthesis	0.816	1	2.333	1
D-myo-inositol (3,4,5,6)-tetrakisphosphate Biosynthesis	0.816	1	2.333	1
GP6 Signaling Pathway	1.387	0.905	1.897	0.905
Gaq Signaling	1.265	1	2.111	0.707
Mouse Embryonic Stem Cell Pluripotency	1.414	0.816	1.342	1.342
Signaling by Rho Family GTPases	1.387	1.807	0.535	1.155
cAMP-mediated signaling	-1.265	-1.667	-0.632	-1.155
3-phosphoinositide Biosynthesis	0.632	0.707	1.941	1.387
Synaptogenesis Signaling Pathway	1.5	0.943	1.941	0.258
Death Receptor Signaling	1.134	1.342	1	1.134
Glioma Invasiveness Signaling	0.447	1.414	1	1.633
RhoGDI Signaling	-1.633	-1.89	-0.378	-0.447
NF-κB Signaling	1.155	0.905	1	1.069
Sperm Motility	0.816	1.342	0.816	-0.816
Acute Phase Response Signaling	-1.134	-0.632	-0.816	-1.134
ILK Signaling	0.577	1	0.905	1.069
IL-23 Signaling Pathway	-0.707	-1.633	-0.816	-0.378
Cardiac Hypertrophy Signaling	0.707	0.905	1.508	0.333
Sumoylation Pathway	N/A	-1.342	-1.633	0.447
IL-9 Signaling	-0.816	-1.633	-0.447	-0.447
Sirtuin Signaling Pathway	1.291	0.535	0.632	0.832
Actin Cytoskeleton Signaling	0.905	1.155	0.302	0.832
Apelin Cardiomyocyte Signaling Pathway	0.378	0.378	1.414	1
Tec Kinase Signaling	0.707	1.265	0.816	0.378
CDK5 Signaling	1.414	0.707	0.707	0.333
Amyotrophic Lateral Sclerosis Signaling	0.816	0	1.342	1
PEDF Signaling	0.707	0.378	1.134	0.816
Adrenomedullin signaling pathway	0.302	0.535	1.604	0.577
PDGF Signaling	0.447	0.816	1.342	0.378

	MCWLS	MCWHS	CRLLS	CRLHS
CREB Signaling in Neurons	0	-0.816	1.414	-0.707
Glioma Signaling	0.447	0.707	1	0.707
Cardiac β -adrenergic Signaling	-0.707	-0.378	-0.707	-1
CD28 Signaling in T Helper Cells	-0.378	-1.134	-0.447	-0.816
Th1 Pathway	-0.905	-1.155	-0.302	-0.302
Protein Kinase A Signaling	-0.535	1.069	0.277	-0.775
Paxillin Signaling	0.378	0.816	0.447	1
Small Cell Lung Cancer Signaling	-0.816	-1	0	-0.816
Wnt/ β -catenin Signaling	-0.333	-0.632	-0.632	-0.905
iCOS-iCOSL Signaling in T Helper Cells	-0.378	-1.414	0	-0.707
Cardiac Hypertrophy Signaling (Enhanced)	0.243	0.853	0.655	-0.688
NF- κ B Activation by Viruses	-1.134	-0.378	-0.447	-0.378
Apelin Pancreas Signaling Pathway	0.447	0	1	0.816
PKC θ Signaling in T Lymphocytes	-0.333	-0.632	0.378	-0.905
Stearate Biosynthesis I (Animals)	N/A	2.236	N/A	N/A
PI3K Signaling in B Lymphocytes	-0.378	0	0.816	-1
SPINK1 General Cancer Pathway	-0.816	-1.342	N/A	N/A
Lymphotoxin β Receptor Signaling	0.378	-0.447	0.447	0.816
Growth Hormone Signaling	0.378	-0.447	0.816	-0.447
p70S6K Signaling	-0.378	0.333	1	0.333
mTOR Signaling	0.378	0	0.816	0.816
Mitochondrial L-carnitine Shuttle Pathway	N/A	2	N/A	N/A
Fatty Acid β -oxidation I	N/A	2	N/A	N/A
Thrombin Signaling	0	0.535	1.069	0.258
Role of NFAT in Regulation of the Immune Response	0.632	0.302	0.577	0.333
Apoptosis Signaling	-0.447	1	N/A	0.378
PTEN Signaling	0	0.378	1.342	0
Insulin Receptor Signaling	-0.707	0	-0.378	0.632
Leptin Signaling in Obesity	0	-0.447	0.447	0.816
B Cell Receptor Signaling	-0.535	0	0.333	-0.832
Phospholipase C Signaling	0.707	0.577	0.302	0
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	0	1.155	0	-0.333
Leukocyte Extravasation Signaling	0	0.832	0	0.632
Non-Small Cell Lung Cancer Signaling	0	0	1	0.447
Role of PI3K/AKT Signaling in the Pathogenesis of Influenza	0	-1	0	0.447
Estrogen-Dependent Breast Cancer Signaling	-0.447	-1	0	0
G α 12/13 Signaling	-0.707	0	0	0.707
IGF-1 Signaling	-0.447	-0.447	0	-0.447
HMGB1 Signaling	-0.378	0	0.447	0.447
Acute Myeloid Leukemia Signaling	0	-0.816	0	0.447
BMP signaling pathway	N/A	0.816	N/A	0.447
CD40 Signaling	0	-0.816	0	0.447
Th2 Pathway	-0.302	0	-0.333	0.577
JAK/Stat Signaling	-0.378	-0.816	0	0
PPAR α /RXR α Activation	0	-0.333	0	-0.816
Rac Signaling	0	0.378	-0.378	0.378

	MCWLS	MCWHS	CRLLS	CRLHS
GDNF Family Ligand-Receptor Interactions	0	0	0.707	-0.378
D-myo-inositol (1,4,5)-Trisphosphate Biosynthesis	N/A	N/A	1	N/A
BAG2 Signaling Pathway	N/A	N/A	1	N/A
TWEAK Signaling	1	N/A	N/A	N/A
Gluconeogenesis I	N/A	N/A	1	N/A
Basal Cell Carcinoma Signaling	N/A	1	N/A	N/A
IL-17A Signaling in Airway Cells	0	-0.447	0	0.447
HIPPO signaling	0	N/A	-0.447	-0.447
Macropinocytosis Signaling	0	0.447	0.447	0
Apelin Endothelial Signaling Pathway	0	-0.447	0	0.378
Type II Diabetes Mellitus Signaling	0	-0.816	0	0
Ceramide Signaling	0	0	0	-0.816
tRNA Splicing	0	N/A	0.447	0
Relaxin Signaling	0	-0.378	0	0
Fc Epsilon RI Signaling	0	0.333	0	0
GDP-glucose Biosynthesis	N/A	N/A	N/A	N/A
Glucose and Glucose-1-phosphate Degradation	N/A	N/A	N/A	N/A
IL-17 Signaling	N/A	N/A	N/A	N/A
Role of p14/p19ARF in Tumor Suppression	0	N/A	0	N/A
Germ Cell-Sertoli Cell Junction Signaling	N/A	N/A	N/A	N/A
Guanosine Nucleotides Degradation III	N/A	N/A	N/A	N/A
TGF- β Signaling	N/A	0	N/A	N/A
FXR/RXR Activation	N/A	N/A	N/A	N/A
Apelin Cardiac Fibroblast Signaling Pathway	N/A	N/A	N/A	N/A
Molecular Mechanisms of Cancer	N/A	N/A	N/A	N/A
HER-2 Signaling in Breast Cancer	N/A	N/A	N/A	N/A
Valine Degradation I	N/A	N/A	N/A	N/A
Isoleucine Degradation I	N/A	N/A	N/A	N/A
Methionine Salvage II (Mammalian)	N/A	N/A	N/A	N/A
Human Embryonic Stem Cell Pluripotency	N/A	N/A	N/A	N/A
Glycine Betaine Degradation	N/A	N/A	N/A	N/A
Actin Nucleation by ARP-WASP Complex	N/A	N/A	N/A	N/A
Gap Junction Signaling	N/A	N/A	N/A	N/A
Semaphorin Signaling in Neurons	N/A	N/A	N/A	N/A
Ubiquinol-10 Biosynthesis (Eukaryotic)	N/A	N/A	N/A	N/A
Epithelial Adherens Junction Signaling	N/A	N/A	N/A	N/A
γ -linolenate Biosynthesis II (Animals)	N/A	N/A	N/A	N/A
NAD Salvage Pathway II	N/A	N/A	N/A	N/A
Tight Junction Signaling	N/A	N/A	N/A	N/A
Fatty Acid Activation	N/A	N/A	N/A	N/A
Sucrose Degradation V (Mammalian)	N/A	N/A	N/A	N/A
T Cell Receptor Signaling	N/A	N/A	N/A	N/A
Axonal Guidance Signaling	N/A	N/A	N/A	N/A
D-myo-inositol (1,3,4)-trisphosphate Biosynthesis	N/A	N/A	N/A	0
Thiosulfate Disproportionation III (Rhodanese)	N/A	N/A	N/A	N/A
Sertoli Cell-Sertoli Cell Junction Signaling	N/A	N/A	N/A	N/A
Cardiomyocyte Differentiation via BMP Receptors	N/A	N/A	N/A	N/A
Th1 and Th2 Activation Pathway	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
IL-15 Signaling	N/A	N/A	N/A	N/A
RAR Activation	N/A	N/A	N/A	N/A
Salvage Pathways of Pyrimidine Deoxyribonucleotides	N/A	N/A	N/A	N/A
Regulation of the Epithelial-Mesenchymal Transition Pathway	N/A	N/A	N/A	N/A
Apelin Muscle Signaling Pathway	N/A	N/A	N/A	N/A
Ephrin A Signaling	N/A	N/A	N/A	N/A
CTLA4 Signaling in Cytotoxic T Lymphocytes	N/A	N/A	N/A	N/A
D-myo-inositol (1,4,5)-trisphosphate Degradation	N/A	N/A	N/A	N/A
FAT10 Cancer Signaling Pathway	0	N/A	N/A	N/A
Reelin Signaling in Neurons	N/A	N/A	N/A	N/A
Virus Entry via Endocytic Pathways	N/A	N/A	N/A	N/A
Oxidized GTP and dGTP Detoxification	N/A	N/A	N/A	N/A
UDP-N-acetyl-D-glucosamine Biosynthesis II	N/A	N/A	N/A	N/A
Phagosome Formation	N/A	N/A	N/A	N/A
Maturity Onset Diabetes of Young (MODY) Signaling	N/A	N/A	N/A	N/A
Leucine Degradation I	N/A	N/A	N/A	N/A
Role of IL-17A in Arthritis	N/A	N/A	N/A	N/A
G-Protein Coupled Receptor Signaling	N/A	N/A	N/A	N/A
Role of JAK1 and JAK3 in γ c Cytokine Signaling	N/A	N/A	N/A	N/A
Cellular Effects of Sildenafil (Viagra)	N/A	N/A	N/A	N/A
VDR/RXR Activation	N/A	N/A	N/A	N/A
Breast Cancer Regulation by Stathmin1	N/A	N/A	N/A	N/A
Erythropoietin Signaling	N/A	N/A	N/A	N/A
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	N/A	N/A	N/A	N/A
Clathrin-mediated Endocytosis Signaling	N/A	N/A	N/A	N/A
Natural Killer Cell Signaling	N/A	N/A	N/A	N/A
Superpathway of D-myo-inositol (1,4,5)-trisphosphate Metabolism	N/A	N/A	N/A	0
1D-myo-inositol Hexakisphosphate Biosynthesis II (Mammalian)	N/A	N/A	N/A	0
IL-15 Production	N/A	N/A	N/A	N/A
Angiopoietin Signaling	N/A	N/A	N/A	0
IL-4 Signaling	N/A	N/A	N/A	N/A
FAK Signaling	N/A	N/A	N/A	N/A
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	N/A	N/A	N/A	N/A
Hepatic Cholestasis	N/A	N/A	N/A	N/A
HIF1 α Signaling	N/A	N/A	N/A	N/A
UDP-N-acetyl-D-galactosamine Biosynthesis II	N/A	N/A	N/A	N/A
Role of Tissue Factor in Cancer	N/A	N/A	N/A	N/A

Figure 4C

Upstream Regulators / Activation score

	MCWLS	MCWHS	CRLLS	CRLHS
decitabine	3.406	4.08	3.49	2.102

	MCWLS	MCWHS	CRLLS	CRLHS
L-triiodothyronine	3.274	3.813	3.845	2.127
D-glucose	2.954	4.056	2.817	2.549
GLI1	3.07	2.921	2.934	3.067
SP600125	-3.553	-2.701	-3.635	-1.964
tretinoin	3.199	3.296	2.779	2.17
HIF1A	2.909	3.342	2.666	2.402
trogglitazone	3.507	2.417	2.454	2.737
CEBPB	2.612	2.231	3.399	2.605
PD98059	-2.938	-3.552	-2.047	-2.305
RXRA	2.783	2.919	2.913	2.189
IGF1	2.993	3.412	2.45	1.919
Ins1	2.799	2.947	2.173	2.61
LHX1	2.538	2.905	2.36	2.714
SMARCA4	2.89	2.32	3.319	1.969
dexamethasone	2.91	2.794	3.162	1.402
PPARG	1.452	3.673	2.525	2.4
Growth hormone	2.552	2.305	2.108	3.069
KLF4	1.945	3.524	2.001	2.516
KAT6A	2.646	2.646	2.646	2
LIF	2.262	1.814	3.381	2.409
Vegf	1.872	2.696	2.585	2.691
SREBF1	3.386	2.421	1.809	2.157
MYCN	-2.242	-2.636	-1.934	-2.796
IKBKB	3.099	2.481	2.062	1.91
F2	1.506	4.146	1.644	2.223
INHBA	2.892	2.583	2.358	1.576
GDF2	2.688	2.72	1.912	1.976
NR3C2	2.525	2.716	2.121	1.913
DDIT3	-1.89	-2.393	-2.121	-2.828
APOE	-2.211	-2.957	-1.518	-2.418
NKX2-3	1.912	1.956	2.482	2.697
SOX4	2.579	1.601	2.729	2.062
Alpha catenin	-2.201	-2.728	-1.757	-2.238
MMP9	2.828	2	2	2
HNF4A	2.971	2.437	1.9	1.367
TGFB1	2.314	3.374	2.102	0.818
VEGFA	2.289	2.988	2.347	0.9
TCF7L2	1.34	2.959	2.297	1.919
EGF	2.063	2.506	1.704	2.073
ERK1/2	1.715	2.273	2.152	2.104
CREM	2.359	2.2	2.611	1.054
Tgf beta	2.398	2.796	1.768	1.241
TP53	2.212	1.806	1.596	2.571
CD40	-1.898	-1.929	-2.099	-2.258
IL13	1.106	2.307	2.494	2.231
CSF1	2.129	2.881	1.613	1.483
PRKAA2	-1.942	-3.088	-0.992	-2.007
Akt	1.774	2.484	0.975	2.661

	MCWLS	MCWHS	CRLLS	CRLHS
mono-(2-ethylhexyl)phthalate	2.191	2.55	2.891	N/A
Ige	1.914	2.506	1.923	1.272
TET2	1.508	2.496	2.333	1.265
TSH	2.156	2.079	2.348	1
trichloroethylene	-2.121	-1.633	-1.89	-1.89
benzene	-2.121	-1.633	-1.89	-1.89
SMAD4	1.594	2.361	1.644	1.886
IGF1R	1.655	2.352	1.916	1.547
HTT	0.913	2.335	2.704	1.49
CHUK	2.046	2.504	1.964	0.919
HGF	1.31	2.829	2.056	1.192
17-alpha-ethinylestradiol	2.36	2.358	2.63	N/A
FOXA2	1.461	1.913	1.941	1.969
INSR	N/A	2.563	2.345	2.36
SPIB	2.158	2.138	1.757	1.154
losartan potassium	-1.07	-3.116	-1.642	-1.342
ARNT	N/A	2.779	1.96	2.401
MAPK9	1.554	1.599	1.937	1.964
IL3	1.72	1.311	1.63	2.359
LY294002	-2.294	-3.141	N/A	-1.584
STAT4	2.178	2.197	1.427	1.202
25-hydroxycholesterol	2.236	0.509	2	2.236
HOXA10	-1.726	-2.18	-1.154	-1.913
rosiglitazone	1.45	1.415	2.455	1.62
NFKBIA	2.196	3.032	1.594	N/A
atorvastatin	1.177	1.612	1.899	2.069
IL1B	1.988	2.005	2.152	0.56
methylmercury	-1.667	-1.134	-1.89	-1.89
IgG	-2.335	-2.309	-1.913	N/A
SATB1	-1.569	-1.411	-2.373	-1.181
bucladesine	1.631	1.629	1.772	1.43
SU6656	-2.219	-2.219	-1.982	N/A
NCSTN	-2.219	N/A	-1.982	-2.219
Salmonella enterica serotype abortus equi lipopolysaccharide	2.891	3.45	N/A	N/A
GATA6	1.169	1.591	2.07	1.5
RELA	2.288	2.13	1.898	N/A
STAT3	1.718	1.5	1.527	1.506
Pka	1.942	1.972	2.326	N/A
CTNNB1	1.15	2.778	1.012	1.283
HNF1B	1.8	1.628	2.785	N/A
miR-145-5p (and other miRNAs w/seed UCCAGUU)	N/A	-2.233	-1.543	-2.434
POMC	2.183	2.395	N/A	1.628
TNFSF11	1.823	2.361	1.12	0.896
AGT	0.868	2.949	1.209	1.082
MKNK1	2.646	0.905	2.53	N/A
EPAS1	0.436	2.636	2.194	0.768
PDGF BB	1.421	2.814	1.622	0.161

	MCWLS	MCWHS	CRLLS	CRLHS
miR-199a-5p (and other miRNAs w/seed CCAGUGU)	-2.343	-1.915	N/A	-1.671
SB203580	-2.568	-3.356	N/A	N/A
SMAD3	1.85	2.05	1.797	0.21
EDN1	1.42	2.824	1.635	N/A
HNF4α dimer	N/A	1.96	1.951	1.951
HOXB3	1.951	1.951	1.951	N/A
FGF2	2.331	1.528	1.61	0.382
BCL6	1.939	1.261	1.32	1.32
nitrofen	-2	-2.449	N/A	-1.387
SS18	0.707	2.646	1.633	0.816
SGK1	1.942	N/A	2.121	1.709
NR1I3	2.772	2.942	N/A	N/A
TO-901317	2.42	2.714	N/A	0.446
TRAF2	-1.195	-1.195	-1.706	-1.463
NOTCH1	-1.838	-1.019	-1.216	-1.455
RAF1	1.48	2.262	1.431	0.341
IKBKG	2.191	3.293	N/A	N/A
CG	2.127	3.322	N/A	N/A
EP300	1.387	2.798	N/A	1.254
cyclic AMP	N/A	2.001	1.604	1.821
deferoxamine	0.978	3.007	1.384	N/A
DICER1	-1.437	-1.584	-1.584	-0.73
IL33	1.518	2.205	1.183	0.423
STK11	2.121	0.77	1.414	1
ITGB1	1.195	1.219	1.4	1.446
NFκB (complex)	1.133	2.146	0.959	1.015
TRIM37	-1	-2	-2.236	N/A
IL10RA	2.309	1.414	N/A	1.5
P38 MAPK	N/A	2.741	2.476	N/A
U0126	-1.867	-2.242	-0.912	-0.167
ADCYAP1	1.168	1.818	0.718	1.445
RUNX1	-1.811	-1.155	-1.165	-0.986
HSPA9	1	2	1	1.067
CD28	-1.57	N/A	-1.321	-2.174
BMP2	1.816	1.597	1.611	N/A
GW3965	1.99	1.766	N/A	1.23
metribolone	1.761	1.325	0.361	1.518
FGF8	2.183	1.3	1.23	0.236
TGFBR1	1.912	1.117	1.913	N/A
FAS	-0.958	-1.455	-1.709	-0.818
PTH	1.167	0.71	1.682	1.369
NTRK2	1.234	N/A	2.449	1.234
BMP4	1.084	0.903	0.997	1.91
oleic acid	2.049	1.362	1.48	N/A
PGR	0.216	2.299	1.946	-0.412
isobutylmethylxanthine	1.345	1.576	1.902	N/A
IFNG	2.006	1.638	0.739	0.422
methylprednisolone	0.715	1.602	1.659	0.797

	MCWLS	MCWHS	CRLLS	CRLHS
testosterone	1.379	1.619	1.295	0.435
Pdgf (complex)	1.366	1.808	1.147	-0.402
MRTFA	2.183	0.6	1.4	0.522
SRF	1.427	N/A	1.813	1.444
PPARD	0.921	1.324	N/A	2.433
PRKCE	2.219	2.433	N/A	N/A
GW501516	1.446	1.977	1.154	N/A
EPO	2.776	N/A	N/A	1.781
1,4-bis[2-(3,5-dichloropyridyloxy)]benzene	2.158	2.353	N/A	N/A
okadaic acid	1.279	1.243	N/A	1.97
COMMD3-BMI1	-1.673	-1.408	-1.408	N/A
EZH2	1.045	1.377	1.432	0.59
haloperidol	2.219	N/A	2.219	N/A
STAT5A	1.526	1.321	1.588	N/A
PPARGC1B	N/A	2.213	2.213	N/A
miR-133a-3p (and other miRNAs w/seed UUGGUCC)	N/A	-2.219	-2.19	N/A
POU4F1	-1.644	-1.369	-1.331	0.051
RUNX3	-1.576	N/A	-1.026	-1.792
CST5	-0.489	-1.571	-1	-1.327
FOXO3	1.935	N/A	1.642	0.798
cyclosporin A	1.997	0.436	-1.045	-0.895
ZBTB16	0.485	1.026	0.64	2.138
dihydrotestosterone	1.288	1.634	0.701	0.664
cocaine	1.965	N/A	1.241	1.046
NOD2	1.212	1.287	0.87	0.883
isotretinoin	0	-1.698	-1.746	-0.799
sphingosine-1-phosphate	N/A	2.473	1.762	N/A
PAX7	1.89	N/A	1	1.342
F7	1.471	1.27	1.481	N/A
spironolactone	-2	-2.219	N/A	N/A
VitaminD3-VDR-RXR	1.997	N/A	2.219	N/A
CEBPA	1.451	0.184	1.947	0.625
FGF10	2.219	1.982	N/A	N/A
HOXA3	1.195	1.195	0.896	0.896
KLF3	1.941	1.5	N/A	0.728
HBEGF	1.964	N/A	2.2	N/A
SERPINF1	2	0	0.128	1.982
NEUROG3	1.633	N/A	N/A	2.433
methotrexate	N/A	2.03	N/A	2.03
KLF2	-0.555	-0.956	-1.134	-1.408
JUN	-0.256	1.017	-0.916	-1.838
NORAD	2	2	N/A	N/A
dalfampridine	2	2	N/A	N/A
GATA2	2.043	1.155	N/A	0.781
LYN	N/A	-1.982	-1.982	N/A
PRKACA	N/A	N/A	1.974	1.987
K+	1.982	1.96	N/A	N/A
RBPJ	N/A	-1.543	-0.794	-1.588

	MCWLS	MCWHS	CRLLS	CRLHS
mifepristone	-0.731	-1.276	-1.545	-0.358
2-amino-5-phosphonovaleric acid	-1.454	-1.8	-0.651	N/A
Immunoglobulin	-0.988	N/A	-1.294	-1.618
HNF1A	N/A	3.887	N/A	N/A
bicuculline	1.941	1.941	N/A	N/A
CSHL1	N/A	1.941	1.937	N/A
CD44	1.709	N/A	2.156	N/A
MAP3K8	1.492	0.333	0.707	1.32
SYVN1	2.111	1.732	N/A	N/A
actinomycin D	-0.914	-2.922	N/A	N/A
FOXA1	-1.722	-0.64	0.218	-1.24
IGF2	1.292	1.025	0.768	0.711
prostaglandin E2	1.119	0.758	0.884	1.023
sirolimus	0.374	0.415	1.615	1.367
ESR2	1.339	0.771	-1.044	0.603
SHC1	1.412	0.372	0.664	1.304
IL7	-1.555	-2.158	N/A	N/A
PDX1	1.207	1.109	1.093	0.302
ciglitazone	0.757	0.343	1.715	0.882
Esrra	1.757	0.761	0.822	0.351
Ro31-8220	-1.172	-1.387	-1.109	N/A
caffeine	N/A	-1.829	-1.829	N/A
desmopressin	1.276	-0.342	1.601	0.437
KRAS	1.17	0.487	-1.175	0.822
paclitaxel	2.063	0.199	0.468	0.894
PTEN	-0.431	-2.534	-0.356	-0.294
cycloheximide	0.9	0.789	1.082	0.819
ERBB2	0.78	1.879	0.339	0.586
mycophenolic acid	N/A	N/A	2.449	1.134
TCF7	-1.192	N/A	-1.192	-1.192
ADIPOQ	0.99	0.714	1.849	N/A
glucagon	1	-0.728	1.369	0.437
TNF	1.382	1.026	0.478	-0.643
PD173074	N/A	N/A	1.633	1.89
PCGEM1	N/A	1.387	1.067	1.067
GPS2	-1.342	N/A	-1.342	-0.816
kainic acid	1.793	N/A	1.695	N/A
ID2	-0.475	0.088	-1.386	-1.539
IL6	1.211	2.073	0.202	N/A
imatinib	N/A	-1.809	-0.733	-0.94
ARNT2	N/A	3.464	N/A	N/A
pirinixic acid	2.1	1.35	N/A	N/A
NR4A1	0.799	1.325	0.862	0.388
garcinol	1.134	N/A	2.236	N/A
lovastatin	N/A	-0.99	-1.348	-1.026
aldosterone	1.315	2.044	N/A	N/A
Pkc(s)	N/A	2.3	N/A	1.056
IKZF1	0.963	0.045	0.885	1.444

	MCWLS	MCWHS	CRLLS	CRLHS
alitretinoin	N/A	1.285	0.896	1.137
CSF2	0.949	1.061	0.681	-0.627
SIM1	N/A	3.317	N/A	N/A
CREBBP	1.516	-0.314	1.158	-0.314
KMT2A	1.067	1.067	1.154	N/A
fenamic acid	1.698	1.188	0	-0.378
SMARCB1	1.89	N/A	N/A	1.342
lomustine	1.633	1.134	0.447	0
S100A9	0.791	-0.158	1.462	0.791
LDL	1.772	N/A	1.42	N/A
Tnf (family)	1.244	N/A	N/A	1.941
IL21	-0.611	N/A	N/A	-2.557
MYC	0.397	0.936	1.67	0.143
FN1	1.193	1.877	N/A	-0.066
MTOR	0.148	1.787	0.16	1.031
vancomycin	1.294	0.392	-0.57	-0.863
PIK3CA	1.981	N/A	N/A	1.131
cisplatin	0.869	0.615	0.755	-0.867
Mek	0.539	1.004	1.281	0.281
SOX2	0.287	0.607	-0.505	1.703
WISP2	-1.673	0	-0.946	-0.447
FOS	-0.303	-0.473	-0.614	-1.66
RARA	1.077	1.587	0.38	N/A
EGFR	0.84	0.767	N/A	1.431
bisindolylmaleimide I	-1.254	-1.782	N/A	N/A
NR3C1	-0.81	-0.276	-0.534	-1.416
phenylbutazone	1.501	1.141	0.391	0
MAPK14	N/A	1.949	N/A	1.074
ionomycin	1.21	0.798	0.414	0.6
4-hydroxytamoxifen	0.983	N/A	2.034	N/A
triamterene	1.633	1	0	-0.378
allopurinol	1.633	1	0	-0.378
ethionine	N/A	0	-1	-2
histone deacetylase	-1	-1	-1	N/A
WNT3A	0.608	1.305	0.587	-0.5
p70 S6k	1	N/A	1	1
MAPK1	0.66	1.017	1.271	-0.045
CALCA	0.381	-0.647	1.258	0.699
PSEN1	-0.492	-0.335	-1.387	-0.768
thioacetamide	1.664	0.788	0	-0.478
A23187	1.154	0.954	0.822	N/A
HMGA1	1.137	0.981	-0.225	-0.58
PRKAA1	N/A	-1.431	N/A	-1.492
USF1	1.387	0.083	-0.064	1.387
OSM	1.165	0.412	0.489	0.852
ATF4	N/A	0.78	N/A	2.114
CXCL12	1.263	0.689	0.94	N/A
H-7	-1.172	-1.709	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
POU5F1	0.028	N/A	2.659	0.188
leukotriene D4	1.118	0.728	1.026	N/A
SP1	0.548	1.12	0.786	0.41
forskolin	0.44	1.021	1.359	-0.029
curcumin	-0.529	-1.804	N/A	-0.513
TGFB2	-0.994	1.534	-0.305	N/A
NOTCH3	0.83	2	N/A	N/A
cerivastatin	0.9	0.092	0.861	0.975
EGLN	N/A	N/A	-1.278	-1.543
FFAR3	-0.816	-2	N/A	N/A
sunitinib	-0.537	-1.153	-0.492	-0.626
plicamycin	-0.863	-0.783	-1.154	N/A
ERN1	N/A	-1.4	-1.4	N/A
Hdac	-0.292	-0.403	-0.727	1.374
2-(4-amino-1-isopropyl-1H-pyrazolo[3,4-d]pyrimidin-3-yl)-1H-indol-5-ol	-0.624	-1.528	-0.624	N/A
CREB1	1.258	N/A	1.511	N/A
APC	-0.805	-1.951	N/A	N/A
phorbol esters	0.785	1.185	0.785	N/A
NFATC2	0.971	N/A	1.066	0.711
NR5A2	N/A	2.739	N/A	N/A
gemfibrozil	0.946	N/A	1.787	N/A
2-bromoethylamine	1.342	1.387	N/A	N/A
S100A8	0.385	0	1.698	0.632
RUNX2	1.067	0.686	0.801	0.16
ID3	0.302	0.605	-0.747	-1.025
NFYA	1	1.671	N/A	N/A
beta-estradiol	-0.124	1.647	0.552	-0.344
ASCL1	N/A	2.607	N/A	0.059
ramipril	-0.655	N/A	-2	N/A
COL18A1	N/A	-2.646	N/A	N/A
Insulin	0.788	1.161	0.684	N/A
POR	-0.816	-0.816	N/A	-1
streptozocin	-0.525	0.878	1.225	N/A
CNTF	0.356	0.057	0.529	1.671
lactacystin	0.831	0.954	0.492	-0.32
BMP7	N/A	-0.426	1.579	0.588
REST	N/A	N/A	-2.592	N/A
carrageenan	N/A	2.581	N/A	N/A
AR	0.688	1.611	0.163	0.094
STAT5B	0.447	1	0.816	0.277
carbon tetrachloride	N/A	2.539	N/A	N/A
phorbol myristate acetate	0.648	1.039	0.551	0.29
DIO3	-0.391	-1.067	1.067	N/A
trans-hydroxytamoxifen	-0.632	N/A	-1.89	N/A
SP3	-0.74	-0.64	-0.025	-1.109
EOMES	-0.478	N/A	-0.146	1.89
estrogen	N/A	1.381	1.08	-0.046

	MCWLS	MCWHS	CRLLS	CRLHS
EBF1	1.254	N/A	N/A	1.243
TREM1	2.496	N/A	N/A	N/A
infliximab	-0.447	N/A	-1.342	0.707
CD38	0.799	0.913	0.691	-0.084
TCR	-0.106	1.108	0.78	-0.49
RICTOR	-0.867	N/A	-0.152	1.452
TAL1	1.066	0.426	0.788	0.181
miR-124-3p (and other miRNAs w/seed AAGGCAC)	-2.454	N/A	N/A	N/A
SOX3	N/A	N/A	-1.633	-0.816
ESR1	0.495	0.98	0.439	0.504
IL2	-0.288	-0.575	-0.032	-1.495
PTCH1	N/A	-1	N/A	-1.387
NFAT5	1	N/A	N/A	1.362
fenofibrate	0.794	N/A	1.556	N/A
SOX7	-1	N/A	N/A	-1.342
doxycycline	N/A	N/A	1.342	1
5-O-mycolyl-beta-araf-(1->2)-5-O-mycolyl-alpha-araf-(1->1')-glycerol	0.816	1.134	0.378	N/A
filgrastim	-1.5	-0.656	N/A	-0.17
FGF1	1.23	0.915	N/A	0.176
camptothecin	0.688	0.124	1	0.5
LG100268	1.732	0.577	N/A	N/A
MAPK3	1.331	0.97	N/A	N/A
AKT1	-1.112	N/A	-0.861	-0.327
cigarette smoke	0.015	N/A	-0.393	-1.887
KLF5	0.44	1.045	0.44	-0.364
TP63	0.297	0.664	-0.149	1.161
galactosylceramide-alpha	N/A	1.131	1.131	N/A
ARID4A	1.131	1.131	N/A	N/A
tetrachlorodibenzodioxin	0.113	0.759	-0.375	0.992
FADD	-2.236	N/A	N/A	N/A
NOX4	N/A	1.965	N/A	0.254
inosine	N/A	2.219	N/A	N/A
miR-200b-3p (and other miRNAs w/seed AAUACUG)	N/A	N/A	N/A	-2.219
diphenyleneiodonium	N/A	-2.213	N/A	N/A
lipopolysaccharide	0.32	1.256	0.194	-0.43
NR0B2	N/A	-2.197	N/A	N/A
TGFA	N/A	N/A	2.19	N/A
NCOA2	0.277	N/A	1.912	N/A
15-deoxy-delta-12,14 -PGJ 2	N/A	-1.778	-0.406	N/A
FOXO1	-0.077	1.069	-0.037	-0.995
ID1	0.894	0.623	0.659	N/A
JAK2	N/A	1.067	1.109	N/A
sodium chloride	N/A	2.175	N/A	N/A
Nfat (family)	0.333	1.508	0	0.333
indomethacin	0.64	1.398	N/A	-0.13
gentamicin C	1.342	0.378	-0.447	N/A
AICAR	N/A	-1.7	N/A	-0.457

	MCWLS	MCWHS	CRLLS	CRLHS
calcitriol	1.193	0.209	0.752	0.003
raloxifene	0.229	0.698	N/A	1.217
CDKN1B	N/A	-2.138	N/A	N/A
TRIM24	-1	0	0	1.134
mir-193	N/A	N/A	-1.067	-1.067
ITGA5	1.067	N/A	1.067	N/A
MAPK8	N/A	0.756	0.711	-0.664
ERG	N/A	N/A	N/A	2.121
DKK1	-0.241	-0.691	0.156	1.02
BRD4	-0.143	0.868	1.095	N/A
palmitic acid	1.207	0.202	0.676	N/A
SHH	N/A	N/A	N/A	2.079
progesterone	0.397	0.712	0.969	N/A
N-[N-(3,5-difluorophenacetyl-L-Ala)]-S-phenylglycine t-butyl ester	1.387	N/A	0.686	N/A
caffeic acid phenethyl ester	N/A	N/A	N/A	2.071
TFAP2C	0.6	0.799	-0.404	-0.266
Lh	-0.57	-0.218	-0.447	-0.816
ECSIT	-0.555	1.342	0	-0.152
IL15	0.905	0.641	0.034	0.421
methapyrilene	-2	N/A	N/A	N/A
COMMD1	N/A	-2	N/A	N/A
NF1	N/A	N/A	N/A	2
ITGB2	-2	N/A	N/A	N/A
ARID4B	1	1	N/A	N/A
KCNK9	N/A	-2	N/A	N/A
PDGF-DD	N/A	2	N/A	N/A
XDH	N/A	-1	-1	N/A
BRCA1	1.141	N/A	N/A	0.853
mir-155	N/A	-0.12	-1.478	-0.391
FGF9	N/A	1.982	N/A	N/A
Raf	N/A	N/A	N/A	1.98
JUND	N/A	1.98	N/A	N/A
FSHR	N/A	1.98	N/A	N/A
CIP2A	-0.333	N/A	-0.164	-1.48
simvastatin	-0.371	-0.385	0.7	0.519
norepinephrine	-0.419	0.854	0.393	-0.307
CD40LG	-0.259	-0.043	-0.826	-0.844
22(R)-hydroxycholesterol	1.969	N/A	N/A	N/A
Stat3-Stat3	N/A	N/A	1.964	N/A
IL11	N/A	N/A	1.954	N/A
NFE2L2	N/A	1.946	N/A	N/A
JUNB	N/A	1.944	N/A	N/A
bisphenol A	N/A	1.943	N/A	N/A
TWIST1	0.333	1.604	N/A	N/A
eplerenone	N/A	-1.937	0	N/A
IL5	0.747	1.184	N/A	N/A
NFKB1	-0.308	0.475	1.145	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
CXCR4	1.91	N/A	N/A	N/A
VHL	N/A	-0.802	0	-1.107
NR1H2	1.352	N/A	N/A	0.555
MYOD1	0.808	1.095	N/A	N/A
ST1926	1.897	N/A	N/A	N/A
phytohemagglutinin	N/A	0.976	0.918	N/A
RARG	0.186	0.469	0.469	0.766
RAS	N/A	1.854	0.034	N/A
GATA3	-0.149	-0.756	-0.029	-0.927
NOG	N/A	N/A	-1	-0.853
8-bromoguanosine 3',5'-cyclic monophosphate	-0.339	-1.506	N/A	N/A
MSC	0.447	0.447	0.128	-0.816
3,4,5,3',4'-pentachlorobiphenyl	-0.587	N/A	-1.248	N/A
PAX1	-1	N/A	N/A	-0.816
doxorubicin	0.422	0.466	0.792	0.124
3-deazaneplanocin	0.365	0.277	0.973	-0.186
carboplatin	0.447	1.342	N/A	N/A
adenosine triphosphate	1.39	N/A	N/A	0.388
nitrofurantoin	-1.257	-0.508	N/A	N/A
wortmannin	-1.743	N/A	N/A	N/A
FSH	0.022	0.923	-0.374	-0.408
lysophosphatidic acid	N/A	N/A	1.725	N/A
CBFB	-0.816	N/A	0.447	-0.447
SPARC	0.871	0.244	0.587	N/A
OTX2	0.849	N/A	0.849	N/A
OGA	0.447	N/A	0.2	-1.043
8-bromo-cAMP	N/A	N/A	1.69	N/A
TGFB3	N/A	1.677	N/A	N/A
trichostatin A	0.706	N/A	0.549	-0.418
KITLG	1.671	N/A	N/A	N/A
SNAI1	N/A	-1.664	N/A	N/A
CTLA4	N/A	N/A	N/A	1.664
PRKCA	0.269	1.387	N/A	N/A
RHO	-1.633	N/A	N/A	N/A
SPDEF	N/A	N/A	-1.633	N/A
Hbb-b1	N/A	N/A	1.633	N/A
POU2F2	-0.816	-0.816	N/A	N/A
hexachlorobenzene	N/A	0.816	0	-0.816
PPARA	N/A	1.3	0.329	N/A
KDM1A	N/A	N/A	0.555	1.067
ING1	-0.555	N/A	-1.067	N/A
TRH	0.676	0.471	N/A	0.471
CD3	-0.214	N/A	-0.188	-1.206
Y 27632	N/A	N/A	-0.199	-1.387
napabucasin	-0.816	-0.378	0	-0.378
diethylstilbestrol	N/A	1.56	N/A	N/A
FOXP1	N/A	N/A	0.776	0.776
NCOA1	N/A	N/A	1.544	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
PTPN11	N/A	N/A	1.532	N/A
butyric acid	0.984	0.006	0.416	-0.125
TFAP2A	N/A	1.526	N/A	N/A
hydrogen peroxide	N/A	1.515	N/A	N/A
salmonella minnesota R595 lipopolysaccharides	-0.146	0.555	N/A	-0.805
STAT1	1.491	N/A	N/A	N/A
gentamicin	-1.127	N/A	-0.081	-0.277
GDNF	N/A	N/A	1.473	N/A
triamcinolone acetonide	-0.399	0.898	0.171	N/A
IRS1	0.943	0.028	0.49	N/A
miR-1-3p (and other miRNAs w/seed GGAAUGU)	N/A	N/A	-0.899	-0.559
SREBF2	N/A	1.455	N/A	N/A
corticosterone	N/A	1.45	N/A	N/A
TXNIP	1.446	N/A	N/A	N/A
FOXC2	N/A	1.432	N/A	N/A
KLF6	-0.045	N/A	N/A	-1.377
EGR1	0.022	1.394	N/A	N/A
5-azacytidine	N/A	N/A	-0.563	-0.853
BMP6	N/A	0.6	0.816	N/A
nocodazole	1.414	N/A	N/A	N/A
HRAS	-0.236	0.831	0.271	0.071
lithium chloride	N/A	N/A	0.702	0.702
IL4	-0.401	0.733	-0.141	-0.125
silibinin	N/A	-1.4	N/A	N/A
advanced glycation end-products	N/A	1.4	N/A	N/A
PCGF2	0.44	N/A	0.882	0.068
miR-17-5p (and other miRNAs w/seed AAAGUGC)	N/A	N/A	N/A	1.39
SB 216763	N/A	N/A	1.387	N/A
bortezomib	N/A	N/A	1.373	N/A
miR-141-3p (and other miRNAs w/seed AACACUG)	N/A	N/A	N/A	-1.369
VDR	0.348	0.509	0.509	N/A
7-ketocholesterol	N/A	1.103	0.254	N/A
bee venom	0.225	0.225	-0.246	0.648
bromodeoxyuridine	N/A	N/A	1.342	N/A
2,3,4,7,8-pentachlorodibenzofuran	N/A	N/A	-1.342	N/A
tributyrin	N/A	N/A	1.342	N/A
linoleic acid	1.342	N/A	N/A	N/A
NRG1	N/A	N/A	1.336	N/A
5-N-ethylcarboxamido adenosine	-0.432	0.115	0.362	0.418
agmatine	N/A	N/A	N/A	1.325
FGFR2	0.298	-0.345	0.154	0.507
SPHK1	N/A	0.332	0.958	N/A
NOSTRIN	N/A	-1.287	N/A	N/A
BACH2	N/A	N/A	0.634	0.634
ETS1	0.862	0.219	0.187	N/A
AHR	-0.279	-0.54	-0.447	N/A
mibolerone	-1.265	0	N/A	N/A
HIC1	N/A	-0.447	0.816	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
EPHB4	N/A	N/A	0.447	0.816
GRB2	-0.447	N/A	N/A	-0.816
BCR (complex)	-1.256	N/A	N/A	N/A
NR1H3	1.255	N/A	N/A	0
TP73	-0.142	-0.618	0.146	-0.326
ISL1	-1.178	N/A	N/A	0.051
ANGPT2	1.117	N/A	-0.102	N/A
HLX	N/A	N/A	-1.067	0.152
LIPE	N/A	N/A	-0.152	-1.067
sodium arsenite	1.067	N/A	0.152	N/A
RARB	0.788	N/A	0.426	N/A
AZGP1	-0.651	-0.555	N/A	N/A
CFTR	-0.391	N/A	N/A	0.808
CDH1	0.64	-0.555	N/A	N/A
BDNF	0.298	-0.19	-0.666	-0.025
Laminin (complex)	N/A	N/A	N/A	-1.172
RBL1	N/A	N/A	N/A	1.165
N-methyl-D-aspartate	1.154	N/A	N/A	N/A
ARNTL	N/A	N/A	1.154	N/A
L-dopa	0	0.663	0	-0.48
captopril	0.896	-0.239	N/A	N/A
F3	N/A	1.134	N/A	N/A
DNMT3A	N/A	N/A	-1.134	N/A
NFATC1	N/A	N/A	1.134	N/A
SLC13A1	N/A	1.134	N/A	N/A
PTH1R	N/A	1.131	N/A	N/A
TGFBR2	0.633	0.496	N/A	N/A
AMPK	N/A	N/A	-0.411	-0.707
epoxomicin	-1.091	N/A	N/A	N/A
fulvestrant	N/A	N/A	N/A	1.083
PCDH11Y	0	N/A	-1.067	0
phenacetin	N/A	1.067	N/A	N/A
3-aminobenzamide	N/A	N/A	N/A	1.067
KDR	N/A	N/A	1.067	N/A
SPRY2	N/A	N/A	N/A	-1.067
SFRP1	N/A	-1.067	N/A	N/A
SPI1	N/A	N/A	N/A	-1.065
KL	N/A	-0.506	0.554	N/A
tamoxifen	-0.03	N/A	0.474	0.554
CDK4/6	0.378	N/A	0.333	-0.333
F2R	N/A	1.044	N/A	N/A
MYB	-0.326	N/A	-0.649	-0.038
PPP3R1	1	N/A	N/A	N/A
HBA1/HBA2	0	N/A	1	N/A
NANOG	N/A	N/A	1	N/A
SAHM1	N/A	-1	N/A	N/A
SENP1	N/A	-1	N/A	N/A
UHRF2	1	N/A	N/A	0

	MCWLS	MCWHS	CRLLS	CRLHS
CHADL	-1	0	N/A	N/A
2,4-dinitrophenol-ovalbumin conjugate	N/A	1	N/A	N/A
TRADD	1	N/A	N/A	N/A
2-methoxyestradiol	N/A	N/A	N/A	1
ELF3	N/A	1	N/A	N/A
GNRH1	N/A	0.986	N/A	N/A
TCF3	-0.227	0.096	-0.254	0.408
MMP14	0.301	N/A	N/A	0.68
epigallocatechin-gallate	N/A	0.162	0.811	N/A
TBX21	-0.14	N/A	-0.14	-0.689
mir-30	0.965	N/A	N/A	N/A
HES1	N/A	-0.57	-0.391	N/A
AG490	N/A	N/A	N/A	-0.956
androgen	0.194	0	0.659	-0.102
VCAN	N/A	-0.954	N/A	N/A
NFKBIB	-0.943	N/A	N/A	N/A
PRNP	N/A	0.106	N/A	-0.83
PPARGC1A	-0.885	-0.048	N/A	N/A
cholic acid	N/A	0.933	N/A	N/A
STAT6	-0.103	0.687	0.131	N/A
tacrolimus	0.008	0.475	-0.084	-0.345
WT1	N/A	0.499	-0.402	N/A
NGF	N/A	N/A	N/A	0.899
FOXP3	-0.447	N/A	N/A	-0.447
miR-27a-3p (and other miRNAs w/seed UCACAGU)	N/A	0.875	N/A	N/A
ZBTB7B	0.218	0.218	0.218	0.218
miR-143-3p (and other miRNAs w/seed GAGAUGA)	N/A	N/A	N/A	-0.865
docosahexaenoic acid	N/A	-0.296	0.545	N/A
quinolinic acid	0.191	N/A	0.646	N/A
PRL	0.403	N/A	N/A	-0.43
26s Proteasome	N/A	N/A	-0.198	0.63
diethylnitrosamine	N/A	-0.816	N/A	N/A
dibutyl phthalate	N/A	-0.807	N/A	N/A
NFIX	N/A	0.805	N/A	N/A
chenodeoxycholic acid	N/A	N/A	0.802	N/A
SKIL	N/A	N/A	0.762	N/A
MST1	N/A	N/A	-0.762	N/A
RUVBL1	0.762	N/A	N/A	N/A
TNFSF13	N/A	N/A	N/A	-0.762
TRIM28	N/A	-0.762	N/A	N/A
PIIF	N/A	-0.378	-0.378	N/A
sulindac sulfide	0.696	N/A	-0.053	N/A
DGCR8	-0.728	N/A	N/A	N/A
vitamin D	0.44	N/A	N/A	-0.277
clozapine	0.152	N/A	0.555	N/A
FLT1	N/A	-0.707	N/A	N/A
WNT1	0.094	0.194	-0.149	-0.24
5-fluorouracil	N/A	N/A	N/A	0.664

	MCWLS	MCWHS	CRLLS	CRLHS
glutamine	N/A	N/A	N/A	0.657
estrogen receptor	N/A	0.653	N/A	N/A
NR4A2	N/A	N/A	-0.643	N/A
cholecalciferol	N/A	N/A	0.631	N/A
APP	0.148	0.037	0.036	-0.408
EGR2	0.426	N/A	N/A	-0.183
GCK	-0.152	N/A	0	0.447
CHEK1	N/A	N/A	N/A	0.594
eicosapentenoic acid	N/A	0.592	N/A	N/A
ADRB	N/A	N/A	N/A	-0.579
rotenone	N/A	N/A	-0.577	N/A
mir-24	N/A	-0.57	N/A	N/A
FBXO32	-0.57	N/A	N/A	N/A
platelet activating factor	N/A	0.555	N/A	N/A
TAF4	N/A	-0.555	N/A	N/A
WNT5A	-0.552	0	N/A	N/A
MET	-0.224	-0.325	N/A	N/A
GABBR1	N/A	N/A	-0.272	-0.272
IFNB1	-0.543	N/A	N/A	N/A
selumetinib	N/A	N/A	N/A	-0.529
SLC16A2	-0.243	0.277	N/A	N/A
mir-8	N/A	N/A	N/A	-0.506
stearic acid	N/A	N/A	N/A	0.492
miR-34a-5p (and other miRNAs w/seed GGCAGUG)	N/A	N/A	N/A	0.491
CLEC4G	N/A	N/A	N/A	-0.485
Ro41-5253	N/A	N/A	N/A	0.485
pioglitazone	0.404	-0.076	N/A	N/A
HDAC1	N/A	0.475	N/A	N/A
cholesterol	N/A	0.47	N/A	N/A
KLF15	N/A	0.393	0.06	N/A
12-(3-adamantan-1-yl-ureido) dodecanoic acid	0.447	N/A	N/A	N/A
CRNDE	0.447	N/A	N/A	0
CD5	N/A	-0.447	N/A	N/A
PSEN2	N/A	-0.051	N/A	-0.373
JAG2	N/A	N/A	-0.218	0.2
INS	-0.087	N/A	-0.322	N/A
dimethyl sulfoxide	0.396	N/A	N/A	N/A
E. coli serotype 0127B8 lipopolysaccharide	N/A	N/A	-0.302	-0.093
FGFR1	N/A	0.378	N/A	0
PI3K (complex)	N/A	N/A	0.081	0.296
FSHB	N/A	0.371	N/A	N/A
TICAM1	-0.306	N/A	N/A	N/A
LRP6	N/A	N/A	0.152	0.152
GLI3	N/A	-0.152	-0.152	N/A
CNR1	N/A	N/A	N/A	-0.302
ACOX1	N/A	0.302	N/A	N/A
DLL4	0	0	0.293	N/A
TLR2	N/A	N/A	-0.293	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
NR2F2	0.283	N/A	N/A	N/A
prednisolone	-0.277	N/A	N/A	N/A
IFRD1	N/A	-0.277	N/A	N/A
(+)-MK-801	-0.268	N/A	N/A	N/A
INHA	N/A	-0.026	-0.239	N/A
SNCA	0.208	N/A	-0.054	N/A
hydrocortisone	-0.248	N/A	N/A	N/A
PTPN1	0.243	N/A	N/A	N/A
CCL2	0.115	N/A	0.115	N/A
IRF8	N/A	N/A	0.229	N/A
FOXO4	N/A	N/A	N/A	0.218
gefitinib	-0.106	N/A	0.106	N/A
miR-483-3p (miRNAs w/seed CACUCCU)	N/A	N/A	N/A	-0.203
miR-203a-3p (and other miRNAs w/seed UGAAAUG)	N/A	N/A	N/A	-0.2
HOXD10	0.186	N/A	N/A	N/A
STUB1	N/A	N/A	N/A	-0.152
ALDH1A2	N/A	-0.152	N/A	N/A
SQSTM1	-0.152	N/A	N/A	N/A
CDX2	N/A	N/A	0.152	N/A
DMP1	N/A	N/A	N/A	-0.132
glucocorticoid	0.132	N/A	N/A	N/A
CLOCK	N/A	-0.128	N/A	N/A
GAST	0.128	N/A	N/A	N/A
PDCD1	N/A	N/A	N/A	0.128
arotinoid acid	N/A	N/A	0.119	0
GW 4064	N/A	-0.109	N/A	N/A
testosterone propionate	0.087	N/A	N/A	N/A
GNA12	N/A	0.075	N/A	N/A
YAP1	N/A	N/A	N/A	-0.064
BCOR	N/A	N/A	N/A	N/A
TDG	N/A	N/A	N/A	N/A
ZFPM1	N/A	N/A	N/A	N/A
FOXF1	N/A	N/A	N/A	N/A
CHMP3	N/A	N/A	N/A	N/A
HAND1	N/A	N/A	N/A	N/A
PCBP2	N/A	N/A	N/A	N/A
TCF	N/A	N/A	N/A	N/A
DNAJC24	N/A	N/A	N/A	N/A
FGF19	N/A	N/A	N/A	N/A
GDF1	N/A	N/A	N/A	N/A
STX2	N/A	N/A	N/A	N/A
H2AFX	N/A	N/A	N/A	N/A
DFFA	N/A	N/A	N/A	N/A
GRHL2	N/A	N/A	N/A	N/A
PRKAB2	N/A	N/A	N/A	N/A
pirfenidone	N/A	N/A	N/A	N/A
SEMA7A	N/A	N/A	N/A	N/A
SERPIND1	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
tyrosine kinase inhibitor	N/A	N/A	N/A	N/A
KCNIP4-IT1	N/A	N/A	N/A	N/A
XRCC2	N/A	N/A	N/A	N/A
PAX2	N/A	N/A	N/A	N/A
carbenoxolone	N/A	N/A	N/A	N/A
NFIC	N/A	N/A	N/A	N/A
M-PTH(1-28)	N/A	N/A	N/A	N/A
Ggt	N/A	N/A	N/A	N/A
HOXB6	N/A	N/A	N/A	N/A
DDB2	N/A	N/A	N/A	N/A
2-nitrophenyl EGTA	N/A	N/A	N/A	N/A
MAP2K5	N/A	N/A	N/A	N/A
Sry	N/A	N/A	N/A	N/A
RCE1	N/A	N/A	N/A	N/A
RBP7	N/A	N/A	N/A	N/A
EFEMP2	N/A	N/A	N/A	N/A
SPZ1	N/A	N/A	N/A	N/A
DNAJC14	N/A	N/A	N/A	N/A
Pld	N/A	N/A	N/A	N/A
RBP4	N/A	N/A	N/A	N/A
SETD2	N/A	N/A	N/A	N/A
sucrose	N/A	N/A	N/A	N/A
thyroid hormone receptor	N/A	N/A	N/A	N/A
NR2C2	N/A	N/A	N/A	N/A
AIP	N/A	N/A	N/A	N/A
aurothioglucose	N/A	N/A	N/A	N/A
MECP2	N/A	N/A	N/A	N/A
PRDM5	N/A	N/A	N/A	N/A
EED	N/A	N/A	N/A	N/A
XRCC5	N/A	N/A	N/A	N/A
HEYL	N/A	N/A	N/A	N/A
HOXB5	N/A	N/A	N/A	N/A
SPTBN4	N/A	N/A	N/A	N/A
SOX17	N/A	N/A	N/A	N/A
FZD4	N/A	N/A	N/A	N/A
CLDN7	N/A	0	0	N/A
hydrocortisone phosphate	N/A	N/A	N/A	N/A
MBD1	N/A	N/A	N/A	N/A
acetylcholine	N/A	N/A	N/A	N/A
HOXD1	N/A	N/A	N/A	N/A
HHEX	N/A	N/A	N/A	N/A
Ap2 alpha	N/A	N/A	N/A	N/A
ERP29	N/A	N/A	N/A	N/A
ASB4	N/A	N/A	N/A	N/A
ATRX	N/A	N/A	N/A	N/A
ITCH	N/A	N/A	N/A	N/A
miR-690 (miRNAs w/seed AAGGCUA)	N/A	N/A	N/A	N/A
CSRP3	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
Hnf3	N/A	N/A	N/A	N/A
juglone	N/A	N/A	N/A	N/A
NONO	0	N/A	0	0
IDH2	N/A	N/A	N/A	N/A
TMCG	N/A	N/A	N/A	N/A
HDAC9	N/A	N/A	N/A	N/A
CDK8	N/A	N/A	N/A	N/A
BTRC	N/A	N/A	N/A	N/A
GPC1	N/A	N/A	N/A	N/A
acetone	N/A	N/A	N/A	N/A
mir-602	N/A	N/A	N/A	N/A
MCM10	N/A	N/A	N/A	N/A
GBX2	N/A	N/A	N/A	N/A
PCK1	N/A	N/A	N/A	N/A
FOXI2	N/A	N/A	N/A	N/A
CCK	N/A	N/A	N/A	N/A
loganin	N/A	N/A	N/A	N/A
FERMT3	N/A	N/A	N/A	N/A
G protein alphas	N/A	N/A	N/A	N/A
DLL1	N/A	N/A	N/A	N/A
KREMEN1	N/A	N/A	N/A	N/A
topiramate	N/A	N/A	N/A	N/A
HIST1H3E	N/A	N/A	N/A	N/A
LINC00963	N/A	N/A	N/A	N/A
MEF2D	N/A	N/A	N/A	N/A
FGF23	N/A	N/A	N/A	N/A
COLQ	N/A	N/A	N/A	N/A
pivaloyloxymethyl butyrate	N/A	N/A	N/A	N/A
IGFBP4	N/A	N/A	N/A	N/A
mir-25	N/A	0	N/A	N/A
androstenediol	N/A	N/A	N/A	N/A
PROK1	N/A	N/A	N/A	N/A
miR-139-5p (miRNAs w/seed CUACAGU)	N/A	N/A	N/A	N/A
SLC12A2	N/A	N/A	N/A	N/A
TNFRSF13B	N/A	N/A	N/A	N/A
MED17	N/A	N/A	N/A	N/A
triamcinolone	N/A	N/A	N/A	N/A
SPAST	N/A	N/A	N/A	N/A
ADM2	N/A	N/A	N/A	N/A
rituximab	N/A	N/A	N/A	N/A
1-(carboxymethylthio)tetradecane	N/A	N/A	N/A	N/A
LASP1	N/A	N/A	N/A	N/A
TCF4	N/A	N/A	N/A	N/A
LPAR1	N/A	N/A	N/A	N/A
KIF11	N/A	N/A	N/A	N/A
urea	N/A	N/A	N/A	N/A
dexamethasone phosphate	N/A	N/A	N/A	N/A
miR-31-5p (and other miRNAs w/seed GGCAAGA)	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
FZD2	N/A	N/A	N/A	N/A
phenytoin	N/A	N/A	N/A	N/A
LGALS12	N/A	N/A	N/A	N/A
NTRK1	N/A	N/A	N/A	N/A
STRA6	N/A	N/A	N/A	N/A
CYP1A1	N/A	N/A	N/A	N/A
DNA-PK	N/A	N/A	N/A	N/A
dactolisib	N/A	N/A	N/A	N/A
Trp1-M-PTH(1-28)	N/A	N/A	N/A	N/A
pregna-4,17-diene-3,16-dione	N/A	N/A	N/A	N/A
ADCY3	N/A	N/A	N/A	N/A
IL31	N/A	N/A	N/A	N/A
DOT1L	N/A	N/A	N/A	N/A
STAR	N/A	N/A	N/A	N/A
WNT2	N/A	N/A	N/A	N/A
NXF3	N/A	N/A	N/A	N/A
RANBP2	N/A	N/A	N/A	N/A
IPCEF1	N/A	N/A	N/A	N/A
DL-threo-dihydrosphingosine	N/A	N/A	N/A	N/A
FLCN	N/A	N/A	N/A	N/A
dextrorphan	N/A	N/A	N/A	N/A
ABCA12	N/A	N/A	N/A	N/A
C8	N/A	N/A	N/A	N/A
flavokawain C	N/A	N/A	N/A	N/A
KREMEN2	N/A	N/A	N/A	N/A
Ras homolog	N/A	N/A	N/A	N/A
GSC	N/A	N/A	N/A	N/A
DPH2	N/A	N/A	N/A	N/A
BMP10	N/A	N/A	N/A	N/A
ETV5	N/A	N/A	N/A	N/A
HOTAIRM1	N/A	N/A	N/A	N/A
LRP2	N/A	N/A	N/A	N/A
hesperetin	N/A	N/A	N/A	N/A
gestodene	N/A	N/A	N/A	N/A
teasaponin	N/A	N/A	N/A	N/A
Rap	N/A	N/A	N/A	N/A
ASB9	N/A	N/A	N/A	N/A
LNX2	N/A	N/A	N/A	N/A
PNPLA8	N/A	N/A	N/A	N/A
CLCN5	N/A	N/A	N/A	N/A
GAL3ST1	N/A	N/A	N/A	N/A
LAMC1	N/A	N/A	N/A	N/A
HSP90AB1	N/A	N/A	N/A	N/A
IL6ST	N/A	N/A	N/A	N/A
GW7647	N/A	N/A	N/A	N/A
volinanserin	N/A	N/A	N/A	N/A
SMAD1/5	N/A	N/A	N/A	N/A
DMTN	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
mir-326	N/A	N/A	N/A	N/A
SIX1	N/A	N/A	N/A	N/A
PROKR1	N/A	N/A	N/A	N/A
ESRRB	N/A	N/A	N/A	N/A
miR-602 (miRNAs w/seed ACACGGG)	N/A	N/A	N/A	N/A
FOXN4	N/A	N/A	N/A	N/A
AEBP1	N/A	N/A	N/A	N/A
miR-138-5p (miRNAs w/seed GCUGGUG)	N/A	N/A	N/A	N/A
EBF2	N/A	N/A	N/A	N/A
PAX9	N/A	N/A	N/A	N/A
GNG2	N/A	N/A	N/A	N/A
diclofenac/hyaluronic acid	N/A	N/A	N/A	N/A
SHP	N/A	N/A	N/A	N/A
cercosporin	N/A	N/A	N/A	N/A
AXIN2	N/A	N/A	N/A	N/A
NRAS	N/A	N/A	N/A	N/A
miR-211-3p (miRNAs w/seed CAGGGAC)	N/A	N/A	N/A	N/A
PPP1R13B	N/A	N/A	N/A	N/A
CGB3 (includes others)	N/A	N/A	N/A	N/A
Rsk	N/A	N/A	N/A	N/A
fingolimod phosphate	N/A	N/A	N/A	N/A
ZFP57	N/A	N/A	N/A	N/A
DNMT3L	N/A	N/A	N/A	N/A
JUP	N/A	N/A	N/A	N/A
arachidonyl-2-chloroethylamide	N/A	N/A	N/A	N/A
droxinostat	N/A	N/A	N/A	N/A
CA1	N/A	N/A	N/A	N/A
TAF4B	N/A	N/A	N/A	N/A
SDR9C7	N/A	N/A	N/A	N/A
CNR2	N/A	N/A	N/A	N/A
podophyllotoxin	N/A	N/A	N/A	N/A
LGR4	N/A	N/A	N/A	N/A
ATF1	N/A	N/A	N/A	N/A
ALKBH5	N/A	N/A	N/A	N/A
FEM1A	N/A	N/A	N/A	N/A
ATN1	N/A	N/A	N/A	N/A
MBD3	N/A	N/A	N/A	N/A
GDC-0623	N/A	N/A	N/A	N/A
thiocoraline	N/A	N/A	N/A	N/A
EIF2AK2		0	N/A	N/A
MECOM	N/A	N/A		0
APLN	N/A	N/A		0
desoxycorticosterone	N/A	N/A	N/A	N/A
ALDH1A1	N/A	N/A	N/A	N/A
cytarabine/idarubicin	N/A	N/A	N/A	N/A
HOXA5	N/A	N/A	N/A	N/A
FENDRR	N/A	N/A	N/A	N/A
BMI1	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
Pdpk	N/A	N/A	N/A	N/A
ACO1	N/A	N/A	N/A	N/A
Sos	N/A	N/A	N/A	N/A
PLRG1	N/A	N/A	N/A	N/A
IREB2	N/A	N/A	N/A	N/A
mir-486	N/A	N/A	N/A	N/A
mir-23	N/A	N/A	N/A	N/A
PCYT1A	N/A	N/A	N/A	N/A
TEAD	N/A	N/A	N/A	N/A
agar	N/A	N/A	N/A	N/A
UHMK1	N/A	N/A	N/A	N/A
interferon beta-1a	N/A	N/A	N/A	N/A
GNAQ	N/A	N/A	N/A	N/A
6,7-dinitroquinoxaline-2,3-dione	N/A	N/A	N/A	N/A
Irs3	N/A	N/A	N/A	N/A
NR4A3	N/A	N/A	N/A	N/A
GFI1B	N/A	N/A	N/A	N/A
ZNF536	N/A	N/A	N/A	N/A
TET3	N/A	N/A	N/A	N/A
MED28	N/A	N/A	N/A	N/A
Pde	N/A	N/A	N/A	N/A
PRKCI	N/A	N/A	N/A	N/A
FZR1	N/A	N/A	N/A	N/A
Ren2	N/A	N/A	N/A	N/A
LCK	N/A	N/A	N/A	N/A
amino acids	N/A	N/A	N/A	N/A
isobutyric acid	N/A	N/A	N/A	N/A
CKAP4	N/A	N/A	N/A	N/A
Pantr2	N/A	N/A	N/A	N/A
retinol acetate	N/A	N/A	N/A	N/A
Patched	N/A	N/A	N/A	N/A
decanoic acid	N/A	N/A	N/A	N/A
CLCF1	N/A	N/A	N/A	N/A
MIR17HG	N/A	N/A	N/A	N/A
SLC2A2	N/A	N/A	N/A	N/A
HOXD3	N/A	N/A	N/A	N/A
MSX2	N/A	N/A	N/A	N/A
Ctnna	N/A	N/A	N/A	N/A
miR-199a-3p (and other miRNAs w/seed CAGUAGU)	N/A	N/A	N/A	N/A
myristic acid	N/A	N/A	N/A	N/A
HOXD9	N/A	N/A	N/A	N/A
PUS1	N/A	N/A	N/A	N/A
acetic acid	N/A	N/A	N/A	N/A
ARRB1	N/A	N/A	N/A	N/A
quinpirole	N/A	N/A	N/A	N/A
RNF19A	N/A	N/A	N/A	N/A
CP-55940	N/A	N/A	N/A	N/A
CUL4B	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
TBX19	N/A	N/A	N/A	N/A
YY1	N/A	N/A	N/A	N/A
DTX1	N/A	N/A	N/A	N/A
clonidine	N/A	N/A	N/A	N/A
NKX2-1	N/A	N/A	N/A	N/A
PPAR α -RXR α	N/A	N/A	N/A	N/A
HDAC5	N/A	N/A	N/A	N/A
kurarinone	N/A	N/A	N/A	N/A
NOTCH4	0	0	0	N/A
TCF21	N/A	N/A	N/A	N/A
CYTH2	N/A	N/A	N/A	N/A
L-histidine	N/A	N/A	N/A	N/A
WWTR1	N/A	N/A	N/A	N/A
AP20187	N/A	N/A	N/A	N/A
KRT8	N/A	N/A	N/A	N/A
ceramide	N/A	N/A	N/A	N/A
LIN28B	0	N/A	N/A	N/A
Irp	N/A	N/A	N/A	N/A
Irs4	N/A	N/A	N/A	N/A
CTSV	N/A	N/A	N/A	N/A
PRKCG	N/A	N/A	N/A	N/A
RAB9A	N/A	N/A	N/A	N/A
GREM1	N/A	N/A	N/A	N/A
POU4F2	N/A	N/A	N/A	N/A
Hdac1/2	N/A	N/A	N/A	N/A
CST3	N/A	N/A	N/A	N/A
N-cor	N/A	N/A	N/A	N/A
SOD1	N/A	N/A	N/A	N/A
Igm	N/A	N/A	N/A	N/A
FKRP	N/A	N/A	N/A	N/A
maslinic acid	N/A	N/A	N/A	N/A
tyrphostin	N/A	N/A	N/A	N/A
WSX1-gp130	N/A	N/A	N/A	N/A
raclopride	N/A	N/A	N/A	N/A
CCDC8	N/A	N/A	N/A	N/A
AVPR1B	N/A	N/A	N/A	N/A
TIMP3	N/A	N/A	N/A	N/A
ACSL5	N/A	N/A	N/A	N/A
FZD8	N/A	N/A	N/A	N/A
Mg ²⁺	N/A	N/A	N/A	N/A
Mt1	N/A	N/A	N/A	N/A
PSMB9	N/A	N/A	N/A	N/A
quisqualic acid	N/A	N/A	N/A	N/A
CTF1	N/A	N/A	N/A	N/A
amurensin G	N/A	N/A	N/A	N/A
trandolapril	N/A	N/A	N/A	N/A
WWC1	N/A	N/A	N/A	N/A
ALYREF	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
HNRNPK	N/A	N/A	N/A	N/A
SIX5	N/A	N/A	N/A	N/A
Mir690	N/A	N/A	N/A	N/A
Synuclein	N/A	N/A	N/A	N/A
RSPO3	N/A	N/A	N/A	N/A
Atrial Natriuretic Peptide	N/A	N/A	N/A	N/A
NOD1	N/A	N/A	N/A	N/A
MC2R	N/A	N/A	N/A	N/A
SMAD5	N/A	N/A	N/A	N/A
MSGN1	N/A	N/A	N/A	N/A
DHODH	N/A	N/A	N/A	N/A
cytidyl-3'-5'-guanosine	N/A	N/A	N/A	N/A
HESX1	N/A	N/A	N/A	N/A
ATP6AP2	N/A	N/A	N/A	N/A
POLD4	N/A	N/A	N/A	N/A
NSC194598	N/A	N/A	N/A	N/A
DNMT1	N/A	N/A	N/A	N/A
NCOR2	N/A	N/A	N/A	N/A
PLCB1	N/A	N/A	N/A	N/A
CML advanced glycation end products	N/A	N/A	N/A	N/A
Ctf2	N/A	N/A	N/A	N/A
SR 144528	N/A	N/A	N/A	N/A
J11-CI	N/A	N/A	N/A	N/A
phytosphingosine	N/A	N/A	N/A	N/A
L-type Calcium Channel	N/A	N/A	N/A	N/A
FGFR3	N/A	N/A	N/A	N/A
TFAP4	N/A	0	N/A	N/A
miR-802-5p (miRNAs w/seed CAGUAAC)	N/A	N/A	N/A	N/A
ADRA1B	N/A	N/A	N/A	N/A
nilotinib	N/A	N/A	N/A	N/A
SNED1	N/A	N/A	N/A	N/A
CDKN3	N/A	N/A	N/A	N/A
PER1	N/A	N/A	N/A	N/A
B4GALT5	N/A	N/A	N/A	N/A
TRPS1	N/A	N/A	N/A	N/A
cannabidiol	N/A	N/A	N/A	N/A
Cdkn1c	N/A	N/A	N/A	N/A
IQCB1	N/A	N/A	N/A	N/A
mir-132	N/A	N/A	N/A	N/A
largazole	N/A	N/A	N/A	N/A
miR-23a-5p (and other miRNAs w/seed GGGUUC)	N/A	N/A	N/A	N/A
GAS6	N/A	N/A	N/A	N/A
NAP1L2	N/A	N/A	N/A	N/A
TFRC	N/A	N/A	N/A	N/A
LILRB1	N/A	N/A	N/A	N/A
GnRH analog	N/A	N/A	0	N/A
GNA15	N/A	N/A	N/A	N/A
POLK	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
KRIT1	N/A	N/A	N/A	N/A
NRG2	N/A	N/A	N/A	N/A
ETV6	N/A	N/A	N/A	N/A
poloxamer	N/A	N/A	N/A	N/A
DCLK1	N/A	N/A	N/A	N/A
TCF12	N/A	N/A	N/A	N/A
ASXL1	N/A	N/A	N/A	N/A
FOXF2	N/A	N/A	N/A	N/A
PCM1	N/A	N/A	N/A	N/A
formaldehyde	N/A	N/A	N/A	N/A
fluvoxamine	N/A	N/A	N/A	N/A
mir-9	N/A	N/A	N/A	N/A
CHRNA3	N/A	N/A	N/A	N/A
TIGIT	N/A	N/A	N/A	N/A
COL9A1	N/A	N/A	N/A	N/A
hydralazine	N/A	N/A	N/A	N/A
TGFB111	N/A	N/A	N/A	N/A
CCDC80	N/A	N/A	N/A	N/A
RASSF1-AS1	N/A	N/A	N/A	N/A
DLX5	N/A	N/A	N/A	N/A
calmidazolium	N/A	N/A	N/A	N/A
pevonedistat	N/A	N/A	N/A	N/A
SERPINA6	N/A	N/A	N/A	N/A
SALL4	N/A	N/A	N/A	N/A
CPT1C	N/A	N/A	N/A	N/A
2,4-dichlorobenzamil	N/A	N/A	N/A	N/A
APR-246	N/A	N/A	N/A	N/A
pCPT-cAMP	N/A	N/A	N/A	N/A
Wnt	N/A	N/A	N/A	N/A
DVL2	N/A	N/A	N/A	N/A
oxytetracycline	N/A	N/A	N/A	N/A
SBDS	N/A	N/A	N/A	N/A
tranlycypromine	N/A	N/A	N/A	N/A
2,3-dioxo-6-nitro-7-sulfamoylbenzo(f)quinoxaline	N/A	N/A	N/A	N/A
Fus	N/A	N/A	N/A	N/A
grape seed extract	N/A	N/A	N/A	N/A
TXN	N/A	N/A	N/A	N/A
mannitol	N/A	N/A	N/A	N/A
ruboxistaurin	N/A	N/A	N/A	N/A
CHRM2	N/A	N/A	N/A	N/A
ATG16L1	N/A	N/A	N/A	N/A
methylselenic acid	N/A	N/A	N/A	N/A
tryptase	N/A	N/A	N/A	N/A
chromomycin A3	N/A	N/A	N/A	N/A
POU2F1	N/A	N/A	N/A	N/A
GYS2	N/A	N/A	N/A	N/A
Hmgb2 (includes others)	N/A	N/A	N/A	N/A
ZC3H8	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
NR2E3	N/A	N/A	N/A	N/A
INHBE	N/A	N/A	N/A	N/A
SFRP4	N/A	N/A	N/A	N/A
FAM3B	N/A	N/A	N/A	N/A
NPBWR1	N/A	N/A	N/A	N/A
glutamyl-Se-methylselenocysteine	N/A	N/A	N/A	N/A
RIC8B	N/A	N/A	N/A	N/A
picropodophyllin	N/A	N/A	N/A	N/A
mahanine	N/A	N/A	N/A	N/A
TRIM16	N/A	N/A	N/A	N/A
ERRFI1	N/A	N/A	N/A	N/A
HOXB9	N/A	N/A	N/A	N/A
NRTN	N/A	N/A	N/A	N/A
PP2A	N/A	N/A	N/A	N/A
BIRC5	N/A	N/A	N/A	N/A
MDM4	N/A	N/A	N/A	N/A
(des-Arg10,Leu9)-kallidin	N/A	N/A	N/A	N/A
WNT7B	N/A	N/A	N/A	N/A
(R)-PFI-2	N/A	N/A	N/A	N/A
DMRT1	N/A	N/A	N/A	N/A
MYOC	N/A	N/A	N/A	N/A
CCAR2	N/A	N/A	N/A	N/A
3-beta,17-beta-androstanediol	N/A	N/A	N/A	N/A
asbestos	N/A	N/A	N/A	N/A
miR-657 (miRNAs w/seed GCAGGUU)	N/A	N/A	N/A	N/A
HSPA6	N/A	N/A	N/A	N/A
FOXD1	N/A	N/A	N/A	N/A
6-cyano-7-nitroquinoxaline-2,3-dione	N/A	N/A	N/A	N/A
GSE1	N/A	N/A	N/A	N/A
ZBTB7A	N/A	N/A	N/A	N/A
pepstatin	N/A	N/A	N/A	N/A
CRY1	N/A	N/A	N/A	N/A
CIC	N/A	N/A	N/A	N/A
Defb2	N/A	N/A	N/A	N/A
mapatumumab	N/A	N/A	N/A	N/A
MYT1	N/A	N/A	N/A	N/A
HSPD1	N/A	N/A	N/A	N/A
Foxe3	N/A	N/A	N/A	N/A
CYP11A1	N/A	N/A	N/A	N/A
SCD5	N/A	N/A	N/A	N/A
GPIIB-IIIA	N/A	N/A	N/A	N/A
SMO	N/A	N/A	N/A	N/A
ZMPSTE24	N/A	N/A	N/A	N/A
HOXA13	N/A	N/A	N/A	N/A
FM19G11	N/A	N/A	N/A	N/A
mir-3960	N/A	N/A	N/A	N/A
DMAP1	N/A	N/A	N/A	N/A
IL9R	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
HMGA2	N/A	N/A	N/A	N/A
MAP2K2	N/A	N/A	N/A	N/A
miR-486-5p (and other miRNAs w/seed CCUGUAC)	N/A	N/A	N/A	N/A
NELFB	N/A	N/A	N/A	N/A
R5020	N/A	N/A	N/A	N/A
SDC1	N/A	N/A	N/A	N/A
N(6)-carboxymethyl-L-lysine	N/A	N/A	N/A	N/A
THRSP	N/A	N/A	N/A	N/A
ELF5	N/A	N/A	N/A	N/A
LYL1	N/A	N/A	N/A	N/A
Mcpt4	N/A	N/A	N/A	N/A
SKP2	N/A	N/A	N/A	N/A
FOLR1	N/A	N/A	N/A	N/A
cyclothiazide	N/A	N/A	N/A	N/A
MAPT	N/A	N/A	N/A	N/A
GNA14	N/A	N/A	N/A	N/A
LGK-974	N/A	N/A	N/A	N/A
ZIC2	N/A	N/A	N/A	N/A
benfluorex	N/A	N/A	N/A	N/A
isovaleric acid	N/A	N/A	N/A	N/A
IAPP	N/A	N/A	N/A	N/A
leuprolide	N/A	N/A	N/A	N/A
SULF2	N/A	N/A	N/A	N/A
RNA polymerase II	N/A	N/A	N/A	N/A
LY379196	N/A	N/A	N/A	N/A
COP1	N/A	N/A	N/A	N/A
RLIM	N/A	N/A	N/A	N/A
PARM1	N/A	N/A	N/A	N/A
ozone	N/A	N/A	N/A	N/A
MN1	N/A	N/A	N/A	N/A
ARSB	N/A	N/A	N/A	N/A
FOXC1	N/A	N/A	N/A	N/A
ergosterol	N/A	N/A	N/A	N/A
halofuginone	N/A	N/A	N/A	N/A
POLG	N/A	N/A	N/A	N/A
JARID2	N/A	N/A	N/A	N/A
C7	N/A	N/A	N/A	N/A
2-[[4-[(e)-styryl]phenoxy]methyl]oxirane	N/A	N/A	N/A	N/A
Lamin b	N/A	N/A	N/A	N/A
YBX3	N/A	N/A	N/A	N/A
3,5-diiodothyronine	N/A	N/A	N/A	N/A
Histone h4	N/A	N/A	N/A	N/A
MAC	N/A	N/A	N/A	N/A
HEY1	N/A	N/A	N/A	N/A
PCYT2	N/A	N/A	N/A	N/A
aloperine	N/A	N/A	N/A	N/A
Uchl1os	N/A	N/A	N/A	N/A
PD173955	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
ITGAL	N/A	N/A	N/A	N/A
IGFBP1	N/A	N/A	N/A	N/A
miR-615-5p (and other miRNAs w/seed GGGGUCC)	N/A	N/A	N/A	N/A
BAHD1	N/A	N/A	N/A	N/A
MRTFB	N/A	N/A	N/A	N/A
ACE	N/A	N/A	N/A	N/A
WNT8B	N/A	N/A	N/A	N/A
HOXA9	N/A	N/A	N/A	N/A
N(6)-methyl-2'-deoxyadenosine	N/A	N/A	N/A	N/A
PAM	N/A	N/A	N/A	N/A
HTR2A	N/A	N/A	N/A	N/A
thioinosine	N/A	N/A	N/A	N/A
CLCN7	N/A	N/A	N/A	N/A
epicatechin	0	0	N/A	N/A
RIF1	N/A	N/A	N/A	N/A
FANCC	N/A	N/A	N/A	N/A
IKZF2	N/A	N/A	N/A	N/A
buspirone	N/A	N/A	N/A	N/A
LINC01139	N/A	N/A	N/A	N/A
nickel	N/A	N/A	N/A	N/A
diazoxide	0	N/A	N/A	N/A
histidinol	N/A	N/A	N/A	N/A
HISTONE	N/A	N/A	N/A	N/A
LRP5	N/A	N/A	N/A	N/A
Ap2	N/A	N/A	N/A	N/A
TEAD4	N/A	N/A	N/A	N/A
GPR37L1	N/A	N/A	N/A	N/A
RARRES1	N/A	N/A	N/A	N/A
Retnla	N/A	N/A	N/A	N/A
glutathione peroxidase	N/A	N/A	N/A	N/A
FCGR3A/FCGR3B	N/A	N/A	N/A	N/A
PIWIL2	N/A	N/A	N/A	N/A
PHF1	N/A	N/A	N/A	N/A
miR-512-3p (miRNAs w/seed AGUGCUG)	N/A	N/A	N/A	N/A
NKX3-1	N/A	N/A	N/A	N/A
mitoguazone	N/A	N/A	N/A	N/A
phenylpropanoic acid	N/A	N/A	N/A	N/A
NREP	N/A	N/A	N/A	N/A
RG108	N/A	N/A	N/A	N/A
atipamezole	N/A	N/A	N/A	N/A
24(S),25-epoxycholesterol	N/A	N/A	N/A	N/A
ADRA1A	N/A	N/A	N/A	N/A
GLI2	N/A	N/A	N/A	N/A
lycopene	N/A	N/A	N/A	N/A
CXCL16	N/A	N/A	N/A	N/A
cosyntropin	N/A	N/A	N/A	N/A
DRD1	N/A	N/A	N/A	N/A
esculetin	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
ZBTB32	N/A	N/A	N/A	N/A
trestolone	N/A	N/A	N/A	N/A
EIF4G2	N/A	N/A	N/A	N/A
HOXC9	N/A	N/A	N/A	N/A
CHRM4	N/A	N/A	N/A	N/A
Nisch	N/A	N/A	N/A	N/A
LCAT	N/A	N/A	N/A	N/A
ZNF423	N/A	N/A	N/A	N/A
leupeptin	N/A	N/A	N/A	N/A
WLS	N/A	N/A	N/A	N/A
JAK inhibitor I	N/A	N/A	N/A	N/A
Histone h3	N/A	N/A	N/A	N/A
MGP	N/A	N/A	N/A	N/A
TRPM3	N/A	N/A	N/A	N/A
Bcl9-Cbp/p300-Ctnnb1-Lef/Tcf	N/A	N/A	N/A	N/A
hispidulin	N/A	N/A	N/A	N/A
7,8-dihydro-7,8-dihydroxybenzo(a)pyrene 9,10-oxide	N/A	N/A	N/A	N/A
CYP11B1	N/A	N/A	N/A	N/A
RP 73401	N/A	N/A	N/A	N/A
NR2F1	N/A	N/A	N/A	N/A
indican	N/A	N/A	N/A	N/A
HNF1 α dimer	N/A	N/A	N/A	N/A
MED13	N/A	N/A	N/A	N/A
TNRC6A	N/A	N/A	N/A	N/A
SERPINA3	N/A	N/A	N/A	N/A
IFI6	N/A	N/A	N/A	N/A
PI3	N/A	N/A	N/A	N/A
PTGS1	N/A	N/A	N/A	N/A
THBS1	N/A	N/A	N/A	N/A
MSR1	N/A	N/A	N/A	N/A
spiperone	N/A	N/A	N/A	N/A
SNRPD1	N/A	N/A	N/A	N/A
TAS1R2	N/A	N/A	N/A	N/A
bisindolylmaleimide III	N/A	N/A	N/A	N/A
BCO2	N/A	N/A	N/A	N/A
probucol	N/A	N/A	N/A	N/A
SIRT5	N/A	N/A	N/A	N/A
SAV1	N/A	N/A	N/A	N/A
NPY5R	N/A	N/A	N/A	N/A
pubchem compound 6603792	N/A	N/A	N/A	N/A
NCL	N/A	N/A	N/A	N/A
EDN3	N/A	N/A	N/A	N/A
SPRY1	N/A	N/A	N/A	N/A
ceruletide	N/A	N/A	N/A	N/A
mir-580	N/A	N/A	N/A	N/A
EDAR	N/A	N/A	N/A	N/A
ADRA1D	N/A	N/A	N/A	N/A
CTNNA1	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
DLX6	N/A	N/A	N/A	N/A
GTPase	N/A	N/A	N/A	N/A
PAX3	N/A	N/A	N/A	N/A
SIAH2	N/A	N/A	N/A	N/A
RDH5	N/A	N/A	N/A	N/A
SRSF6	N/A	N/A	N/A	N/A
tolbutamide	N/A	N/A	N/A	N/A
HOXC8	N/A	N/A	N/A	N/A
RPS3	N/A	N/A	N/A	N/A
cantharidin	N/A	N/A	N/A	N/A
bisindolylmaleimide	N/A	N/A	N/A	N/A
KT5720	N/A	N/A	N/A	N/A
thiazide diuretic	N/A	N/A	N/A	N/A
GABBR2	N/A	N/A	N/A	N/A
TAZ	N/A	N/A	N/A	N/A
CYBA	N/A	N/A	N/A	N/A
SMARCD3	N/A	N/A	N/A	N/A
C9	N/A	N/A	N/A	N/A
furosemide	N/A	N/A	N/A	N/A
PD184352	N/A	N/A	N/A	N/A
saikosaponin A	N/A	N/A	N/A	N/A
citrinin	N/A	N/A	N/A	N/A
EPHB1	N/A	N/A	N/A	N/A
ADRA1	N/A	N/A	N/A	N/A
ANXA1	N/A	N/A	N/A	N/A
miR-324-5p (miRNAs w/seed GCAUCCC)	N/A	N/A	N/A	N/A
HOXC6	N/A	N/A	N/A	N/A
PRMT7	N/A	N/A	N/A	N/A
KLHL17	N/A	N/A	N/A	N/A
vitamin A	N/A	N/A	N/A	N/A
TARID	N/A	N/A	N/A	N/A
IGF2-AS	N/A	N/A	N/A	N/A
MEF2C	N/A	N/A	N/A	N/A
miR-532-5p (and other miRNAs w/seed AUGCCUU)	N/A	N/A	N/A	N/A
2-amino-3-phosphonopropionic acid	N/A	N/A	N/A	N/A
IDH1	N/A	N/A	N/A	N/A
AFP	N/A	N/A	N/A	N/A
HNRNPA2B1	N/A	N/A	N/A	N/A
NCKAP1L	N/A	N/A	N/A	N/A
HIST1H1C	N/A	N/A	N/A	N/A
IFT20	N/A	N/A	N/A	N/A
EMD	N/A	N/A	N/A	N/A
PC-SPES	N/A	N/A	N/A	N/A
TFCP2L1	N/A	N/A	N/A	N/A
beta-tocopherol	N/A	N/A	N/A	N/A
STK25	N/A	N/A	N/A	N/A
NEUROG2	N/A	N/A	N/A	N/A
ARRB2	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
TP53BP2	N/A	N/A	N/A	N/A
Rxr	N/A	N/A	N/A	N/A
EIF4EBP1	N/A	N/A	N/A	N/A
tert-butyl hydroperoxide	N/A	N/A	N/A	N/A
farglitazar	N/A	N/A	N/A	N/A
SLCO1B3	N/A	N/A	N/A	N/A
USF2	N/A	N/A	N/A	N/A
MEF2	N/A	N/A	N/A	N/A
cinacalcet	N/A	N/A	N/A	N/A
XRCC6	N/A	N/A	N/A	N/A
LTBP4	N/A	N/A	N/A	N/A
SEC16B	N/A	N/A	N/A	N/A
BNIP3L		0	N/A	N/A
cortodoxone	N/A	N/A	N/A	N/A
2-acetylaminofluorene	N/A	N/A	N/A	N/A
FRMD6	N/A	N/A	N/A	N/A
dextran	N/A	N/A	N/A	N/A
TGFBR	N/A	N/A	N/A	N/A
PMP22	N/A	N/A	N/A	N/A
S100P	N/A	N/A	N/A	N/A
nilvadipine	N/A		0	N/A
SRD5A1	N/A	N/A	N/A	N/A
RUVBL2	N/A	N/A	N/A	N/A
ETV1	N/A	N/A	N/A	N/A
CBLC	N/A	N/A	N/A	N/A
LRP4	N/A	N/A	N/A	N/A
CALR	N/A	N/A	N/A	N/A
O6-benzylguanine	N/A	N/A	N/A	N/A
WNT7A	N/A	N/A	N/A	N/A
HOXD12	N/A	N/A	N/A	N/A
HADHB	N/A	N/A	N/A	N/A
NR6A1	N/A	N/A	N/A	N/A
4-((4-(3,4-dichlorophenyl)-1,2,5-thiadiazol-3-yl)oxy)butan-1-ol	N/A	N/A	N/A	N/A
xylitol	N/A	N/A	N/A	N/A
HMX2	N/A	N/A	N/A	N/A
PRKDC	N/A	N/A	N/A	N/A
RGS19	N/A	N/A	N/A	N/A
Cxcl3	N/A	N/A	N/A	N/A
STMN1	N/A	N/A	N/A	N/A
GNB1	N/A	N/A	N/A	N/A
DAB2IP	N/A	N/A	N/A	N/A
RRP1B	N/A	N/A	N/A	N/A
SIK1/SIK1B	N/A	N/A	N/A	N/A
pituitary adenylate cyclase-activating polypeptide	N/A	N/A	N/A	N/A
EPST11	N/A	N/A	N/A	N/A
meldonium	N/A	N/A	N/A	N/A
edratide	N/A	N/A	N/A	N/A

	MCWLS	MCWHS	CRLLS	CRLHS
sotrastaurin	N/A	N/A	N/A	N/A
rofecoxib	N/A	N/A	N/A	N/A
conjugated linoleic acid	N/A	N/A	N/A	N/A
COL4A3	N/A	N/A	N/A	N/A
PSMB8	N/A	N/A	N/A	N/A
COL3A1	N/A	N/A	N/A	N/A
EEF1A2	N/A	N/A	N/A	N/A
miR-204-5p (and other miRNAs w/seed UCCCUUU)	N/A	N/A	N/A	N/A
TBX1	N/A	N/A	N/A	N/A
CBX7	N/A	N/A	0	0
USP48	N/A	N/A	N/A	N/A
miR-331-5p (and other miRNAs w/seed UAGGUAU)	N/A	N/A	N/A	N/A
ketorolac	N/A	N/A	N/A	N/A
BQ-788	N/A	N/A	N/A	N/A
SUPT16H	N/A	N/A	N/A	N/A
PRKAG3	N/A	N/A	N/A	N/A
PPP3CB	N/A	N/A	N/A	N/A
isonicotinamide	N/A	N/A	N/A	N/A
imipramine	N/A	N/A	N/A	N/A
ARHGAP24	N/A	N/A	N/A	N/A
CDK19	N/A	N/A	N/A	N/A
EP400	N/A	N/A	N/A	N/A
Pzp	N/A	N/A	N/A	N/A
omeprazole	N/A	N/A	N/A	N/A
XRCC1	N/A	N/A	N/A	N/A
PLCB4	N/A	N/A	N/A	N/A
DYSF	N/A	N/A	N/A	N/A
BTG2	N/A	N/A	N/A	N/A
STAT1/3/5 dimer	N/A	N/A	N/A	N/A
H2BFM	N/A	N/A	N/A	N/A
mir-148	N/A	N/A	N/A	N/A
HMGB2	N/A	N/A	N/A	N/A
GNB2	N/A	N/A	N/A	N/A
DNAJA4	N/A	N/A	N/A	N/A
CCAR1	N/A	N/A	N/A	N/A
MMS19	N/A	N/A	N/A	N/A
cyanocobalamin	N/A	N/A	N/A	N/A
GALNT3	N/A	N/A	N/A	N/A
PTGER1	N/A	N/A	N/A	N/A
TLL1	N/A	N/A	N/A	N/A

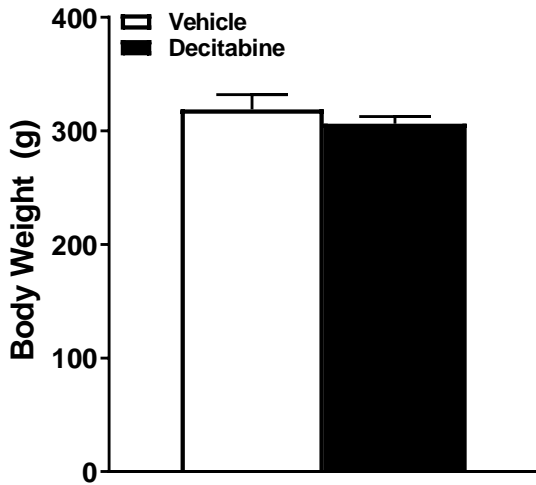
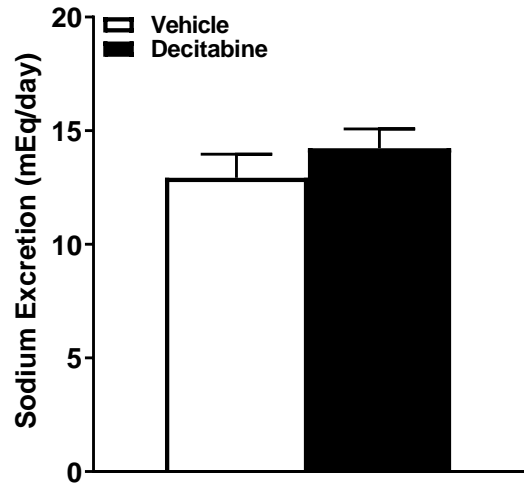
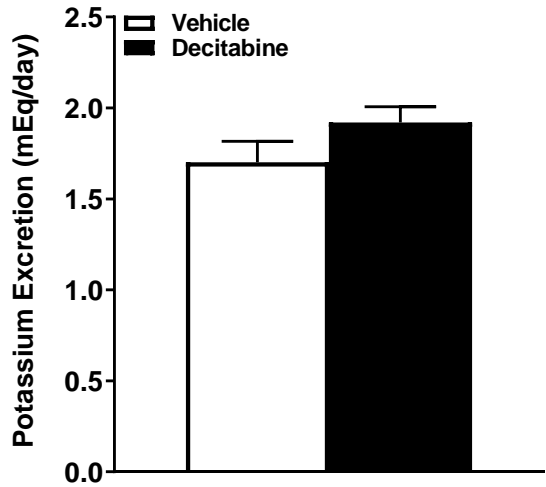
A**B****C**

Figure S7. Decitabine treatment had no effect on body or electrolyte excretion. (A) Body weight of vehicle and decitabine-treated Dahl SS rats. (B) Sodium and (C) Potassium excretion rates were not altered with decitabine treatment following 14 days of high salt diet.