

Supplementary Information

for the article entitled "DNA methylation patterns of *FKBP5* regulatory regions in brain and blood of humanized mice and humans", Yusupov et al.

Summary

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1. Supplementary Methods:

1.1. Details of human cohorts

For comparative analysis, we used DNA methylation (DNAm) data from three human cohorts. We quantified DNAm of two human cohorts: study 1 for peripheral blood (Final N=440) and study 3 for postmortem brain tissue (Final N=84).

Individuals included in study 1 are participants from a biobanking project at the Max Planck Institute of Psychiatry (MPIP) in Munich, Germany. They originated from two studies: Biological Classification of Mental Disorders study (BeCOME, see 1 for a full study protocol), observational study with psychiatric patients and self-reported healthy controls (Final N=314), and Optimized Treatment Identification at the Max Planck Institute (OPTIMA, see 2 for a full study protocol), a clinical psychotherapy study with patients recruited for major depressive

disorder (Final N=126). In short, diagnostic evaluation of participants from both studies was performed by a modified version of the computer-based Munich-Composite International Diagnostic Interview (DIA-X/M-CIDI, 3) conducted by trained study assistants. Current diagnosis (past for weeks) was defined by DSM-IV and transferred to ICD-10 system definitions (4, 5). Among participants with full current diagnosis (N=264, 60%), the following diagnostic categories were present (N, percentage from all participants with available diagnostic data): major depressive disorder (159, 37%), dysthymia (130, 30%), agoraphobia (79, 18%), social phobia (73, 17%), specific phobia (69, 16%), obsessive compulsive disorder (46, 11%), somatoform disorder (45, 10%), post-traumatic stress disorder (43, 10%), substance use/dependency (40, 9%), generalized anxiety disorder (27, 6%), bipolar disorder (12, 3%), panic disorder (11, 3%), eating disorder (4, 1%), organic mental disorder (6, 1%), unspecified screening of schizophrenia/psychotic spectrum disorders (2, 0,5%).

Individuals included in study 3 are brain donors from the NSW Brain Tissue Resource Centre (University of Sydney, Australia). This cohort consisted of patients with psychiatric disorders (N=51, 61%) with the following diagnosis (N, percentage): schizophrenia (36, 43%), major depressive disorder (6, 7%), schizoaffective disorder (5, 6%), bipolar disorder (N=4, 5%) as well as controls (33, 39%).

We additionally used previously acquired data from peripheral blood (study 2, 6). The study consisted of 59 (66.3%) patients with major depressive disorder and 30 healthy controls.

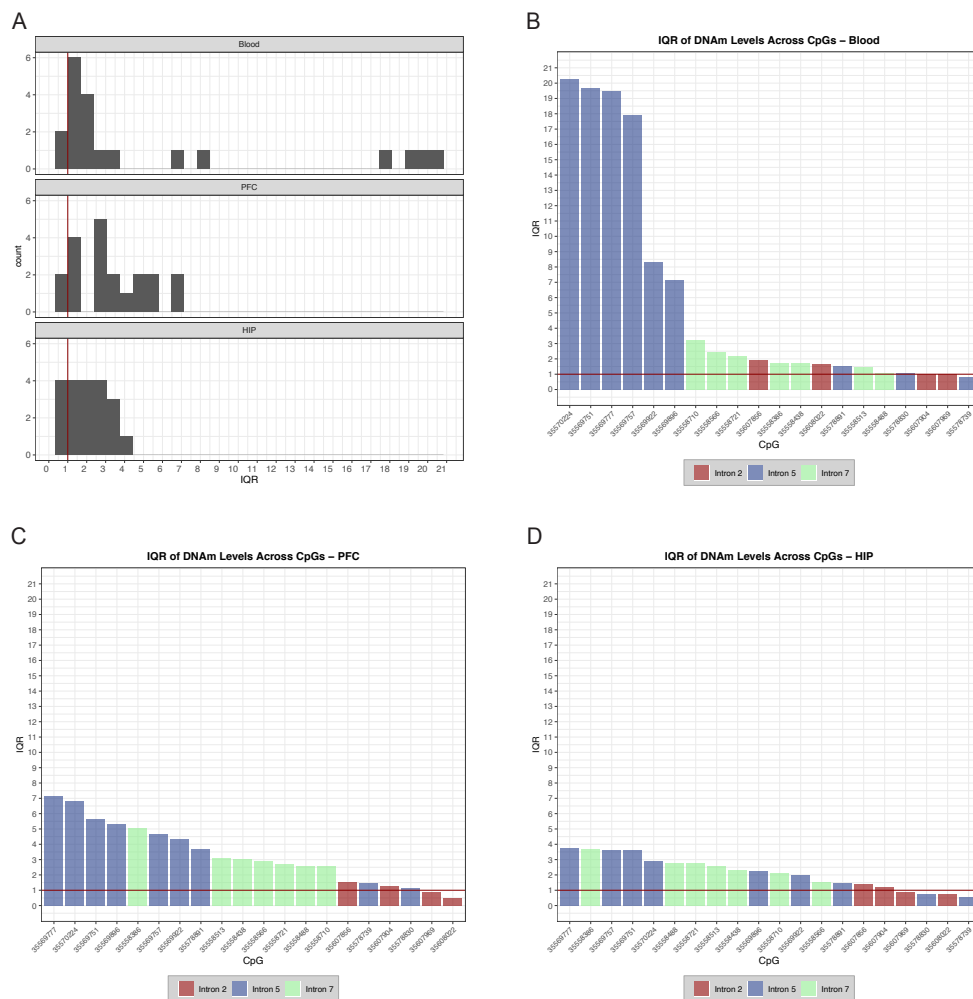
1.2. Epigenome-wide postmortem brain DNA methylation

400 ng DNA, originating from the same DNA extraction used for the high-accuracy DNAm measurement via targeted bisulfite sequencing (HAM-TBS), underwent bisulfite-conversion using the EZ-96 DNA Methylation kit (Zymo Research, Irvine, CA). Epigenome-wide DNAm quantification was with the Illumina Infinium MethylationEPIC BeadChip (Illumina, San Diego, CA, USA) according to manufacturer's guidelines. Data was preprocessed as described in detail in Yusupov et al. (7). Briefly, raw intensity values were transformed into beta-values and

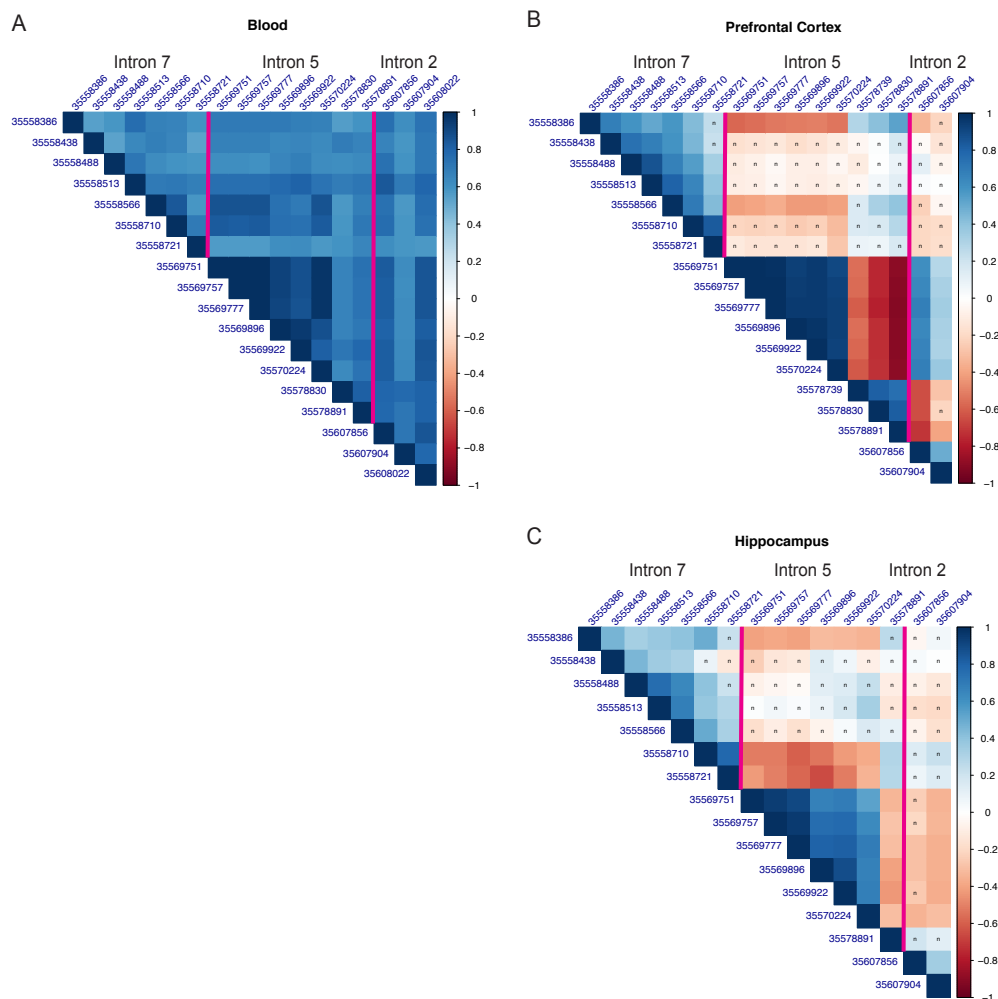
quality control was performed using with the *minfi* R package (8, 9). DNAm data was then normalized with stratified quantile normalization and subsequent beta-mixture quantile normalization (BMIQ) (10, 11). None of samples were excluded due to quality control issues (mean detection of $p\text{-value} > 0.05$, distribution artefacts in raw beta-values or sex mismatches) or due to outlier samples of M-transformed values (> 3 standard deviation on two first principal components). Finally, we corrected sequentially for array and row as technical batch effects using ComBat of the *sva* R package (12). Batch-corrected M-values were transformed into beta-values and proportions of neuronal and non-neuronal cells calculated as suggested by Guintivano et al. (13). Final data was available for 75 participants. Further, brain tissue-related variables, which explaining variance in the principal components (brain pH and storage time) were included as a covariate in the analysis presented in supplementary figure 4.

2. Supplementary Figures:

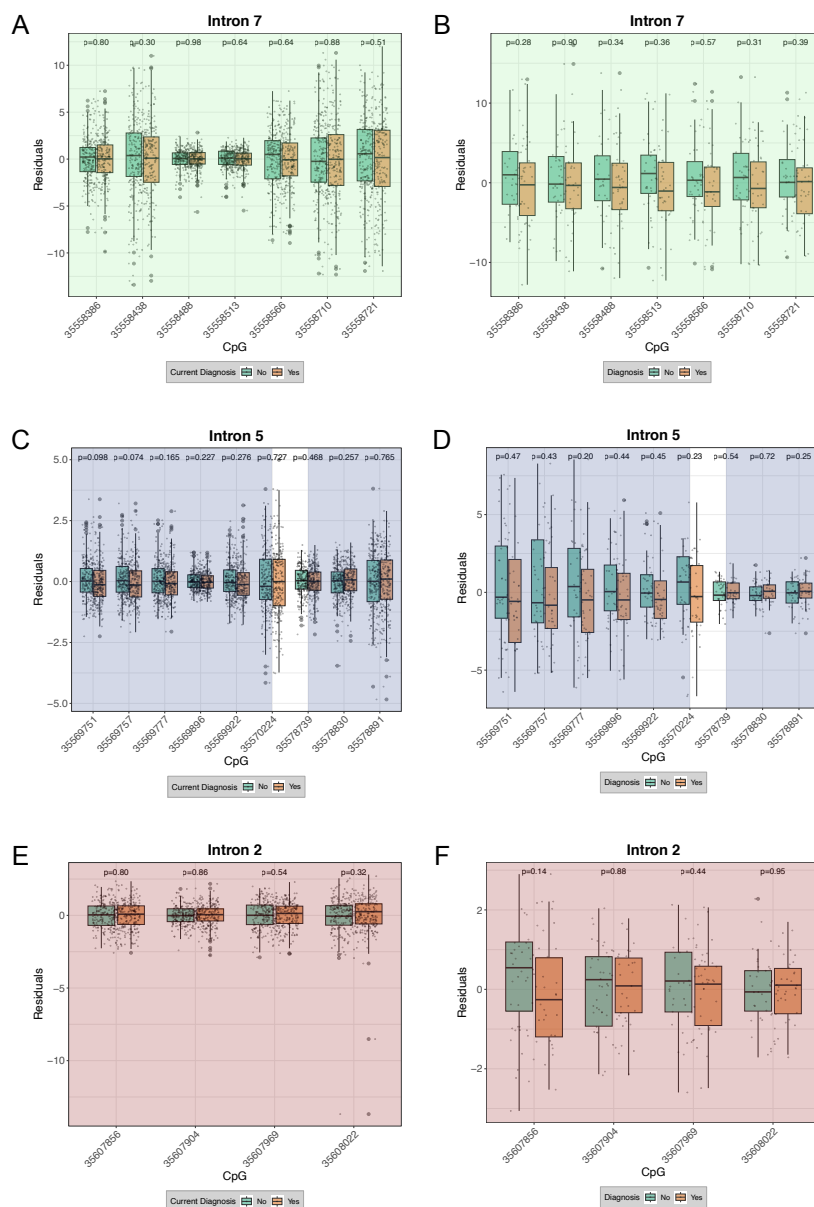
Supplementary Figure 1. Exploration of interindividual variability of DNA methylation levels of CpGs in three tissues/brain regions of the humanized *FKBP5* mouse model. A: Histogram of interquartile ranges (IQR) of DNA methylation of the investigated CpGs. B-D: Different variability in tissues and functional elements of *FKBP5* (B: blood, C: prefrontal cortex, D: hippocampus). Generally, highest levels of interindividual variability were found in blood and prefrontal cortex and less in hippocampus. When accounting for functional regions (bars are colored for targeted introns - green: 7, blue: 5, red: 2), introns 7 and 5 presented the highest variability. Red line crosses the x-axis or y-axis at the chosen cut-off of 1%.



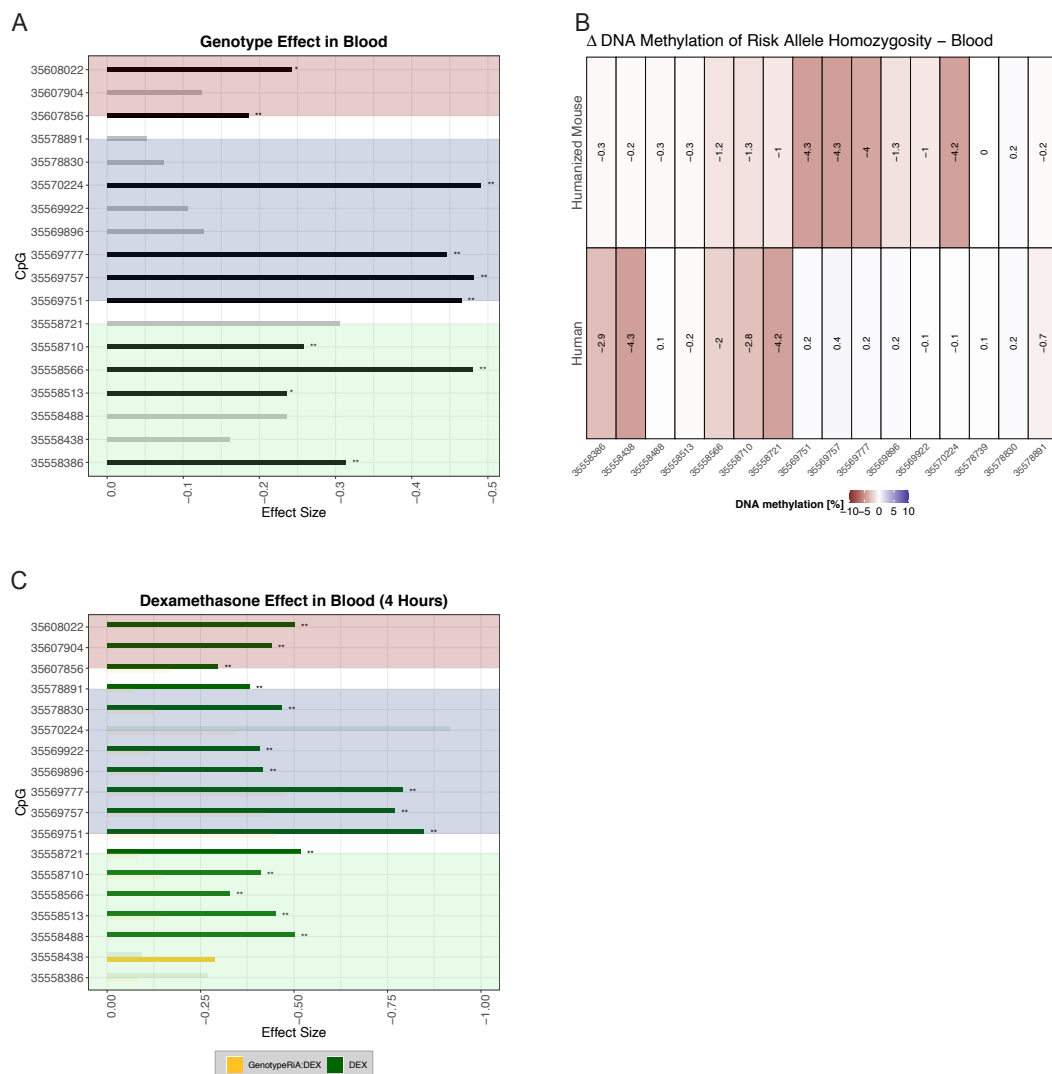
Supplementary Figure 3. Correlation matrix of CpGs for each of the humanized *FKBP5* mouse tissues/brain regions. Spearman correlations are depicted for CpGs with interquartile range > 1% located in different introns (separated by pink lines). Distinct correlation patterns are visible between the different tissues, which present higher similarity of correlation patterns among brain regions compared to blood.



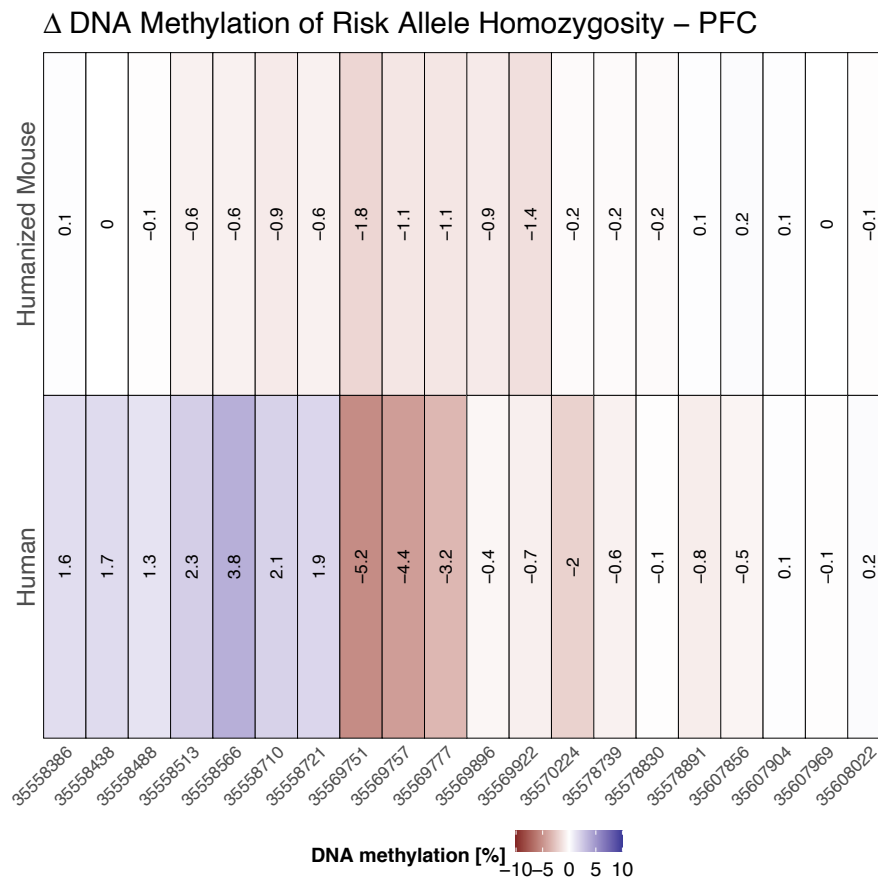
Supplementary Figure 4. DNA methylation differences related to psychiatric disease status. Depicted are boxplots of DNA methylation residuals from human blood (A: intron 7, C: intron 5, E: intron 2) and brain (B: intron 7, D: intron 5, F: intron 2) for subjects with- or without any current psychiatric diagnosis (p-values from a t-test are presented). Residuals were obtained by regressing DNA methylation on age, sex and calculated cell-type proportions (blood: CD8T, CD4T, NK, B lymphocytes, Monocytes and Granulocytes; brain: NeuN positive cells and NeuN negative cells). Final number of available subjects for the analysis was N=429 for blood (Yes: 264, No: 165) and N=72 for brain (Yes: 44, No: 28).



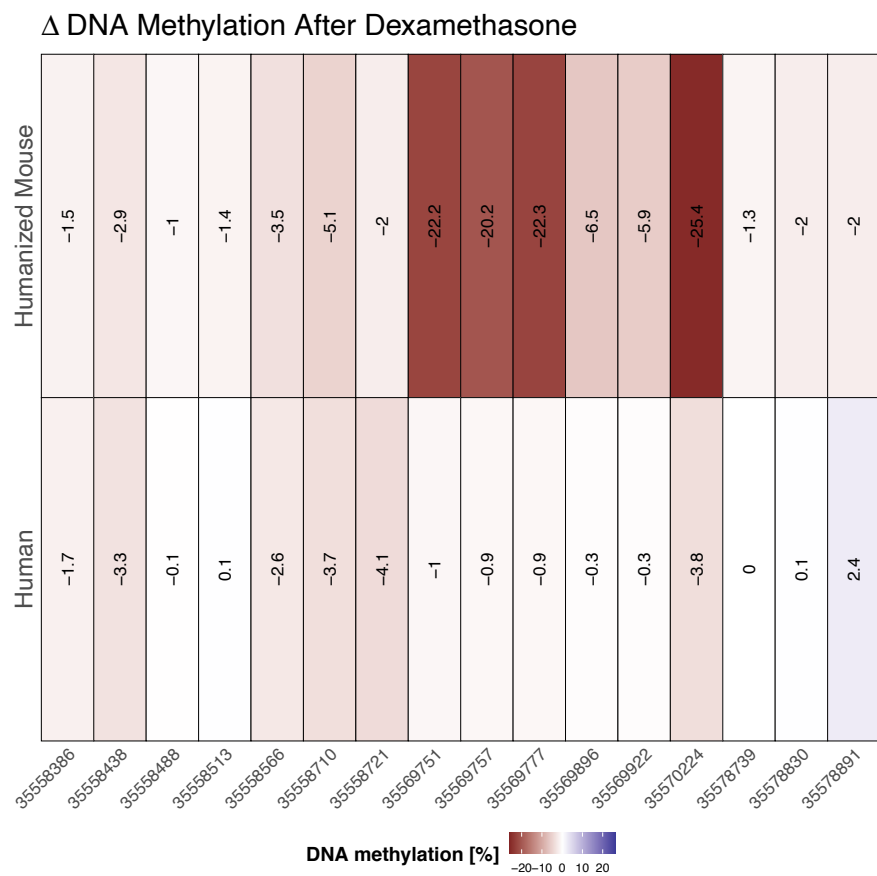
Supplementary Figure 5. Genotype effects on DNA methylation in humanized *FKBP5* mouse and human blood. A. Effects sizes (β) on DNA methylation (DNAm) levels (M-values) from multiple linear regression models are presented for the risk-allele of the rs1360780 SNP for each CpG. B. Differences in effects of risk allele homozygosity (TT) for the rs1360780 SNP in humanized *FKBP5* mouse and human blood (study 2) are presented as delta mean DNAm (in percent) for each CpG. C. Effect sizes (β) on DNAm levels (M-values) from multiple linear regression models are presented for dexamethasone (green) and its interaction with the risk-associated allele of rs1360780 SNP (yellow) for 18 CpGs in three introns of *FKBP5* (green: intron 7, blue: intron 5, red: intron 2). Darker bars: p-value<0.05, *: q-value<0.1, **: q-value<0.05.



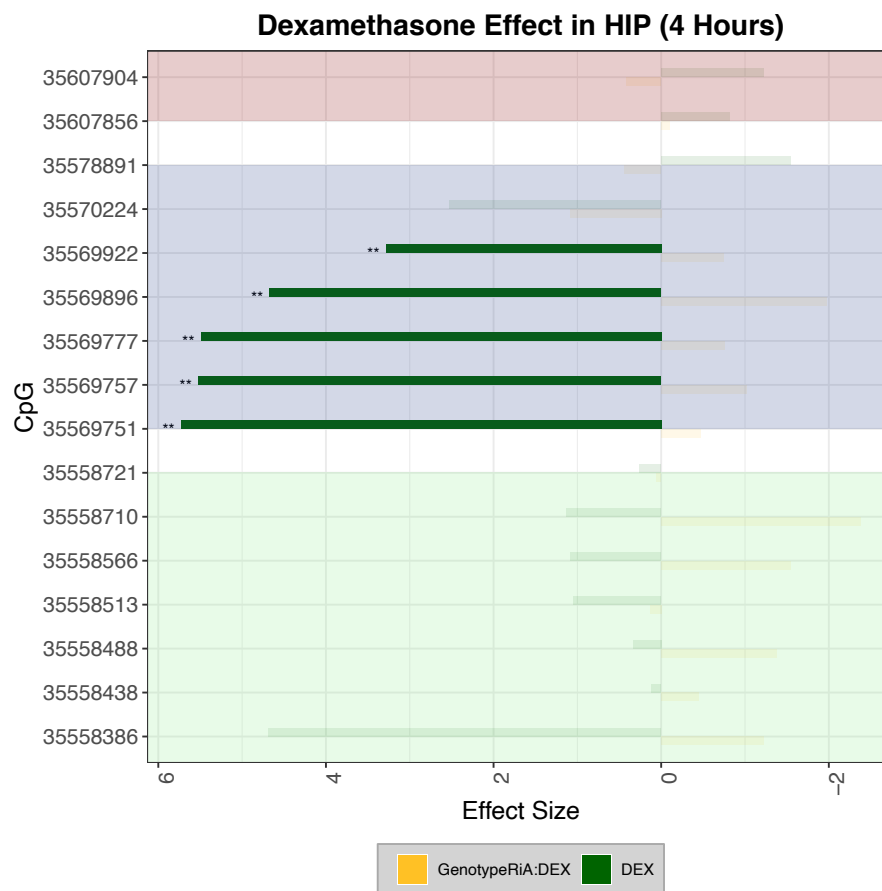
Supplementary Figure 6. Differences in genotype effects on DNA methylation in humanized *FKBP5* mouse and human prefrontal cortex. Differences in effects of risk allele homozygosity (TT) for the rs1360780 SNP in humanized *FKBP5* mouse and human postmortem PFC are presented as delta mean DNA methylation (in percent) for each CpG.



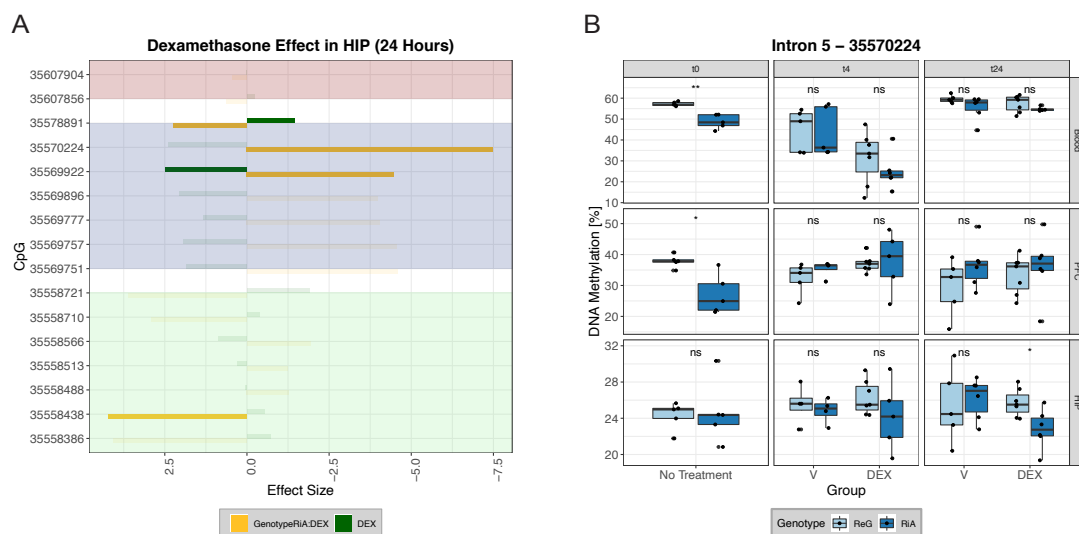
Supplementary Figure 7. Differences in dexamethasone effects on DNA methylation in humanized *FKBP5* mouse and human blood. Depicted are differences (delta mean DNA methylation) for humanized *FKBP5* mouse and human blood before and after the application of dexamethasone (humanized mouse: 4h, humans: 3h). Human data was available for introns 5 and 7.



Supplementary Figure 8. Dexamethasone effects after four hours in humanized *FKBP5* mouse hippocampus. Effect sizes (β) on DNA methylation levels (M-values) from multiple linear regression models are presented for dexamethasone (green) and its interaction with the risk-associated allele of rs1360780 SNP (yellow) for 16 CpGs in three introns of *FKBP5* (green: intron 7, blue: intron 5, red: intron 2).



Supplementary Figure 9. Dexamethasone and interaction effects with rs1360780 genotype on DNA methylation in humanized *FKBP5* mouse hippocampus. A. Effect sizes (β) on DNA methylation (DNAm) levels (M-values) from multiple linear regression models are presented for dexamethasone (green) and its interaction with the risk-associated allele of rs1360780 SNP (yellow) for 16 CpGs in three introns of *FKBP5* (green: intron 7, blue: intron 5, red: intron 2) after 24 hours. Darker bars: p-value<0.05, *: q-value<0.1, **: q-value<0.05. B. DNAm levels (in percent) of CpG 35570224 (intron 5) are presented for each tissue/brain region (blood, prefrontal cortex and hippocampus) at baseline and after four and 24 hours of treatment with dexamethasone or vehicle. T-test was performed between the two rs1360780 genotypes, resilient (ReG) vs. risk (RiA) allele (ns: not significant, *: p<0.05, **: p<0.01). Nominally significant interaction effect was present in the hippocampus after 24 hours treatment with dexamethasone.



3. Supplementary Tables:

Supplementary Table 1. A table containing the number of mice for each genotype of the rs1360780 allele assigned to each of the treatment groups in each time point.

Genotype (rs1360780 allele)	Treatment condition	Time point	N
CG	dexamethasone	t4	7
CG	dexamethasone	t24	7
CG	vehicle	t4	6
CG	vehicle	t24	5
AT	dexamethasone	t4	6
AT	dexamethasone	t24	6
AT	vehicle	t4	5
AT	vehicle	t24	6
CG	not treated	t0	5
AT	not treated	t0	5

Supplementary Table 2. A table containing details of PCR primer sequences used in our panel along with the number of CpGs covered by each.

PCR Name	Functional region	Sequence	N covered CpGs
int7_1.2_F	intron 7	GAGAAGTATAAAAAAAAAAATGG	5
int7_1.2_R	intron 7	AAAATCCAAAACCTTATTCCC	5
int7_1.4_F	intron 7	ATAATTTGGAGTTATAGTGTAGG	5
int7_1.4_R	intron 7	CAACACTACTACTAAAAAAT	5
int5_P2_F	intron 5	ATTTAAAGGGGGAGGGA	5
int5_P2_R	intron 5	CCTTTTTTCCCCCTAT	5
int5_P3_F	intron 5	AATTTTAAATTTAGGAAAAG	3
int5_P3_R	intron 5	AAACTAATCTCAACAAATCCAAC	3
FKBP5cg14284211_F	intron 5	AAATAATTATTGGGTATGAGG	1
FKBP5cg14284211_R	intron 5	CCATCTCTACTTACTTTTCAAA	1
int2_P4_F	intron 2	TGTATAGGTTTGTAGTTTGGAGT AGT	4
int2_P4_R	intron 2	CCTTTCTCAAATTCAATTTATTCAC	4

Supplementary Table 3. A table containing details of PCR amplicons used in our panel.

Amplicon name	Chromosome	Start	Stop	Strand	Functional region	Length
FKBP5_int7_PCR_1.2	6	35558361	35558652	+	intron 7	291
FKBP5_int7_PCR_1.4	6	35558459	35558774	+	intron 7	315
FKBP5_int5_PCR_2	6	35569680	35569946	-	intron 5	266
FKBP5_int5_PCR_3	6	35578686	35578916	+	intron 5	230
FKBP5cg14284211	6	35570168	35570410	+	intron 5	242
FKBP5_int2_PCR_4	6	35607754	35608065	-	intron 2	311

Supplementary Table 4. A table containing genomic coordinates of the evaluated CpGs in three introns of the *FKBP5* gene, according to positions on the human reference genome hg19.

Chromosome	CpG location (hg19)	Functional region
6	35558386	intron 7
6	35558438	intron 7
6	35558488	intron 7
6	35558513	intron 7
6	35558566	intron 7
6	35558710	intron 7
6	35558721	intron 7
6	35569751	intron 5
6	35569757	intron 5
6	35569777	intron 5
6	35569896	intron 5
6	35569922	intron 5
6	35570224	intron 5
6	35578739	intron 5
6	35578830	intron 5
6	35578891	intron 5
6	35607856	intron 2
6	35607904	intron 2
6	35607969	intron 2
6	35608022	intron 2

Supplementary Table 5. A table containing mean and standard deviation of DNA methylation per CpG in each of the three tissues/brain regions (blood, prefrontal cortex and hippocampus) obtained from the humanized *FKBP5* mouse model.

Tissue	CpG	Mean	SD
Blood	35558386	92.77	0.91
Blood	35558438	87.42	1.12
Blood	35558488	95.14	0.58
Blood	35558513	94.62	0.83
Blood	35558566	91.40	1.47
Blood	35558710	90.68	1.78
Blood	35558721	92.70	1.21
Blood	35569751	45.99	8.06
Blood	35569757	43.16	7.84
Blood	35569777	44.66	8.23
Blood	35569896	36.17	3.35
Blood	35569922	52.80	3.52
Blood	35570224	51.68	8.86
Blood	35578739	95.03	0.48
Blood	35578830	95.22	0.58
Blood	35578891	93.32	0.74
Blood	35607856	91.57	0.79
Blood	35607904	95.76	0.51
Blood	35607969	95.58	0.55
Blood	35608022	94.86	0.63
HIP	35558386	68.38	2.85
HIP	35558438	45.02	2.04
HIP	35558488	47.59	1.64
HIP	35558513	38.09	1.63
HIP	35558566	23.60	1.28
HIP	35558710	22.55	2.03
HIP	35558721	25.07	1.95
HIP	35569751	48.64	3.11
HIP	35569757	43.54	2.90
HIP	35569777	40.76	2.92
HIP	35569896	19.55	1.90
HIP	35569922	18.08	1.54
HIP	35570224	25.18	2.56
HIP	35578739	95.44	0.49
HIP	35578830	95.33	0.55

HIP	35578891	90.53	0.85
HIP	35607856	75.27	0.91
HIP	35607904	92.89	0.81
HIP	35607969	93.56	0.66
HIP	35608022	91.68	0.55
PFC	35558386	57.52	4.05
PFC	35558438	44.04	2.29
PFC	35558488	46.11	2.28
PFC	35558513	35.79	2.18
PFC	35558566	18.45	1.66
PFC	35558710	15.00	1.77
PFC	35558721	17.70	1.71
PFC	35569751	58.29	6.85
PFC	35569757	52.88	6.85
PFC	35569777	50.96	6.74
PFC	35569896	26.98	4.86
PFC	35569922	24.03	3.94
PFC	35570224	33.16	6.86
PFC	35578739	92.37	0.87
PFC	35578830	93.85	0.77
PFC	35578891	79.03	3.29
PFC	35607856	79.67	1.51
PFC	35607904	93.86	0.81
PFC	35607969	94.13	0.61
PFC	35608022	93.28	0.64

Supplementary Table 6. A table containing delta mean percentage of DNA methylation between three tissues/brain regions (blood, prefrontal cortex and hippocampus) of the humanized *FKBP5* mouse model for each CpG in three introns of the *FKBP5* gene.

CpG	Functional region	Blood	PFC	HIP	Delta DNAm Blood-PFC	Delta DNAm Blood-HIP	Delta DNAm PFC-HIP
35558386	intron 7	92.77	57.52	68.38	35.26	24.39	-10.87
35558438	intron 7	87.42	44.04	45.02	43.38	42.40	-0.98
35558488	intron 7	95.14	46.11	47.59	49.04	47.55	-1.49
35558513	intron 7	94.62	35.79	38.09	58.83	56.53	-2.31
35558566	intron 7	91.40	18.45	23.60	72.95	67.80	-5.15

35558710	intron 7	90.68	15.00	22.55	75.68	68.13	-7.55
35558721	intron 7	92.70	17.70	25.07	75.00	67.63	-7.37
35569751	intron 5	45.99	58.29	48.64	-12.30	-2.64	9.66
35569757	intron 5	43.16	52.88	43.54	-9.72	-0.38	9.34
35569777	intron 5	44.66	50.96	40.76	-6.30	3.91	10.20
35569896	intron 5	36.17	26.98	19.55	9.18	16.62	7.44
35569922	intron 5	52.80	24.03	18.08	28.77	34.72	5.95
35570224	intron 5	51.68	33.16	25.18	18.52	26.50	7.98
35578739	intron 5	95.03	92.37	95.44	2.65	-0.42	-3.07
35578830	intron 5	95.22	93.85	95.33	1.37	-0.11	-1.48
35578891	intron 5	93.32	79.03	90.53	14.30	2.79	-11.51
35607856	intron 2	91.57	79.67	75.27	11.90	16.31	4.40
35607904	intron 2	95.76	93.86	92.89	1.90	2.88	0.98
35607969	intron 2	95.58	94.13	93.56	1.45	2.02	0.56
35608022	intron 2	94.86	93.28	91.68	1.59	3.18	1.60

Supplementary Table 7. A table containing a matrix of Spearman correlation coefficients between CpGs of three tissues/brain regions (blood, prefrontal cortex and hippocampus) obtained from the humanized *FKBP5* mouse model.

See table as a separate file for ease of readability.

Supplementary Table 8. A table containing t-test results for mean differences of DNA methylation of each CpG between the two human blood cohorts. Results are presented also for residualized values (after regressing out effects of age, sex and cell types).

CpG	Version	p-value	p-value adj.	p-value adj. significance
35558386	DNAm percent	1.2879E-06	2.0607E-05	****
35558438	DNAm percent	0.00094951	0.0151921	*
35558488	DNAm percent	0.00014629	0.00234064	**
35558513	DNAm percent	0.02345935	0.37534957	ns
35558566	DNAm percent	7.3624E-07	1.178E-05	****
35558710	DNAm percent	0.02513545	0.40216722	ns
35558721	DNAm percent	0.01968607	0.31497709	ns
35569751	DNAm percent	0.28055593	4.48889492	ns
35569757	DNAm percent	0.26962151	4.3139442	ns
35569777	DNAm percent	0.52081721	8.3330753	ns

35569896	DNAm percent	0.25403168	4.06450692	ns
35569922	DNAm percent	0.16468758	2.63500131	ns
35570224	DNAm percent	0.24007312	3.84116995	ns
35578739	DNAm percent	0.02170993	0.34735894	ns
35578830	DNAm percent	0.6937648	11.1002368	ns
35578891	DNAm percent	2.2892E-07	3.6627E-06	****
35558386	Residuals	1	1	ns
35558438	Residuals	1	1	ns
35558488	Residuals	1	1	ns
35558513	Residuals	1	1	ns
35558566	Residuals	1	1	ns
35558710	Residuals	1	1	ns
35558721	Residuals	1	1	ns
35569751	Residuals	1	1	ns
35569757	Residuals	1	1	ns
35569777	Residuals	1	1	ns
35569896	Residuals	1	1	ns
35569922	Residuals	1	1	ns
35570224	Residuals	1	1	ns
35578739	Residuals	1	1	ns
35578830	Residuals	1	1	ns
35578891	Residuals	1	1	ns

Supplementary Table 9. A table containing mean and standard deviation of DNA methylation per CpG in blood of humanized *FKBP5* mouse and human cohorts.

Study Cohort	CpG	Mean	SD
Human Study 1	35558386	87.34	3.77
Human Study 1	35558438	71.48	7.35
Human Study 1	35558488	95.25	1.00
Human Study 1	35558513	95.23	1.01
Human Study 1	35558566	77.00	3.72
Human Study 1	35558710	62.18	5.09
Human Study 1	35558721	59.44	5.26
Human Study 1	35569751	2.52	1.10
Human Study 1	35569757	2.37	1.09
Human Study 1	35569777	2.30	1.01
Human Study 1	35569896	0.93	0.42
Human Study 1	35569922	2.44	0.80
Human Study 1	35570224	8.74	2.32
Human Study 1	35578739	95.42	0.59

Human Study 1	35578830	95.77	0.69
Human Study 1	35578891	88.99	1.87
Human Study 1	35607856	91.99	0.96
Human Study 1	35607904	95.23	0.72
Human Study 1	35607969	94.02	0.98
Human Study 1	35608022	92.27	1.41
Human Study 2	35558386	84.67	4.62
Human Study 2	35558438	68.27	8.28
Human Study 2	35558488	95.78	1.19
Human Study 2	35558513	94.88	1.36
Human Study 2	35558566	74.17	4.79
Human Study 2	35558710	60.69	5.75
Human Study 2	35558721	57.87	5.80
Human Study 2	35569751	2.66	1.17
Human Study 2	35569757	2.52	1.14
Human Study 2	35569777	2.39	1.16
Human Study 2	35569896	1.00	0.50
Human Study 2	35569922	2.29	0.93
Human Study 2	35570224	9.16	3.18
Human Study 2	35578739	95.58	0.59
Human Study 2	35578830	95.74	0.62
Human Study 2	35578891	90.20	1.91
Humanized Mouse	35558386	92.77	0.91
Humanized Mouse	35558438	87.42	1.12
Humanized Mouse	35558488	95.14	0.58
Humanized Mouse	35558513	94.62	0.83
Humanized Mouse	35558566	91.40	1.47
Humanized Mouse	35558710	90.68	1.78
Humanized Mouse	35558721	92.70	1.21
Humanized Mouse	35569751	45.99	8.06
Humanized Mouse	35569757	43.16	7.84
Humanized Mouse	35569777	44.66	8.23
Humanized Mouse	35569896	36.17	3.35
Humanized Mouse	35569922	52.80	3.52
Humanized Mouse	35570224	51.68	8.86
Humanized Mouse	35578739	95.03	0.48
Humanized Mouse	35578830	95.22	0.58
Humanized Mouse	35578891	93.32	0.74
Humanized Mouse	35607856	91.57	0.79
Humanized Mouse	35607904	95.76	0.51
Humanized Mouse	35607969	95.58	0.55
Humanized Mouse	35608022	94.86	0.63

Supplementary Table 10. A table containing delta mean percentage of DNA methylation in blood between the humanized *FKBP5* mouse and the two human studies for each CpG.

CpG	Functional region	Humanized Mouse	Human Study 1	Human Study 2	Delta Mean DNAm Human Study 1	Delta Mean DNAm Human Study 2
35558386	intron 7	92.77	87.34	84.67	5.43	8.10
35558438	intron 7	87.42	71.48	68.27	15.95	19.15
35558488	intron 7	95.14	95.25	95.78	-0.11	-0.64
35558513	intron 7	94.62	95.23	94.88	-0.61	-0.26
35558566	intron 7	91.40	77.00	74.17	14.40	17.23
35558710	intron 7	90.68	62.18	60.69	28.50	29.99
35558721	intron 7	92.70	59.44	57.87	33.26	34.83
35569751	intron 5	45.99	2.52	2.66	43.48	43.33
35569757	intron 5	43.16	2.37	2.52	40.78	40.64
35569777	intron 5	44.66	2.30	2.39	42.36	42.28
35569896	intron 5	36.17	0.93	1.00	35.24	35.17
35569922	intron 5	52.80	2.44	2.29	50.36	50.51
35570224	intron 5	51.68	8.74	9.16	42.94	42.52
35578739	intron 5	95.03	95.42	95.58	-0.40	-0.56
35578830	intron 5	95.22	95.77	95.74	-0.55	-0.52
35578891	intron 5	93.32	88.99	90.20	4.33	3.12
35607856	intron 2	91.57	91.99	NA	-0.41	NA
35607904	intron 2	95.76	95.23	NA	0.53	NA
35607969	intron 2	95.58	94.02	NA	1.56	NA
35608022	intron 2	94.86	92.27	NA	2.59	NA

Supplementary Table 11. A table containing mean and standard deviation of DNA methylation per CpG in the prefrontal cortex of the human postmortem brain and the humanized *FKBP5* mouse model.

Species	CpG	Mean	SD
Human	35558386	59.76	6.05
Human	35558438	42.75	6.11
Human	35558488	37.91	5.96

Human	35558513	30.98	5.64
Human	35558566	22.65	5.82
Human	35558710	15.16	5.25
Human	35558721	15.25	5.10
Human	35569751	39.81	5.62
Human	35569757	36.91	5.67
Human	35569777	34.28	5.38
Human	35569896	16.78	3.76
Human	35569922	10.12	2.55
Human	35570224	25.74	4.64
Human	35578739	96.14	0.78
Human	35578830	96.07	0.79
Human	35578891	93.89	0.99
Human	35607856	88.93	2.12
Human	35607904	95.58	1.16
Human	35607969	95.87	1.16
Human	35608022	95.22	1.01
Humanized Mouse	35558386	57.52	4.05
Humanized Mouse	35558438	44.04	2.29
Humanized Mouse	35558488	46.11	2.28
Humanized Mouse	35558513	35.79	2.18
Humanized Mouse	35558566	18.45	1.66
Humanized Mouse	35558710	15.00	1.77
Humanized Mouse	35558721	17.70	1.71
Humanized Mouse	35569751	58.29	6.85
Humanized Mouse	35569757	52.88	6.85
Humanized Mouse	35569777	50.96	6.74
Humanized Mouse	35569896	26.98	4.86
Humanized Mouse	35569922	24.03	3.94
Humanized Mouse	35570224	33.16	6.86
Humanized Mouse	35578739	92.37	0.87
Humanized Mouse	35578830	93.85	0.77
Humanized Mouse	35578891	79.03	3.29
Humanized Mouse	35607856	79.67	1.51
Humanized Mouse	35607904	93.86	0.81
Humanized Mouse	35607969	94.13	0.61
Humanized Mouse	35608022	93.28	0.64

Supplementary Table 12. A table containing delta mean percentage of DNA methylation in prefrontal cortex between the humanized *FKBP5* mouse and the human postmortem tissue for each CpG in three introns of the *FKBP5* gene.

CpG	Functional region	Humanized Mouse	Human	Delta Mean DNAm
35558386	intron 7	57.52	59.76	-2.24
35558438	intron 7	44.04	42.75	1.29
35558488	intron 7	46.11	37.91	8.20
35558513	intron 7	35.79	30.98	4.80
35558566	intron 7	18.45	22.65	-4.21
35558710	intron 7	15.00	15.16	-0.17
35558721	intron 7	17.70	15.25	2.45
35569751	intron 5	58.29	39.81	18.48
35569757	intron 5	52.88	36.91	15.96
35569777	intron 5	50.96	34.28	16.68
35569896	intron 5	26.98	16.78	10.21
35569922	intron 5	24.03	10.12	13.91
35570224	intron 5	33.16	25.74	7.41
35578739	intron 5	92.37	96.14	-3.77
35578830	intron 5	93.85	96.07	-2.22
35578891	intron 5	79.03	93.89	-14.87
35607856	intron 2	79.67	88.93	-9.26
35607904	intron 2	93.86	95.58	-1.72
35607969	intron 2	94.13	95.87	-1.74
35608022	intron 2	93.28	95.22	-1.94

Supplementary Table 13. A table containing delta mean percentage of DNA methylation in prefrontal cortex and blood between the humanized *FKBP5* mouse and the human tissue of subjects aged between 20-29 years for each CpG in three introns of the *FKBP5* gene.

CpG	Functional region	PFC			Blood		
		Human 20-29	Humanized Mouse	Delta DNAm	Human 20-29	Humanized Mouse	Delta DNAm
35558386	intron 7	64.31	57.52	-6.80	88.16	92.77	4.61
35558438	intron 7	50.13	44.04	-6.09	73.37	87.42	14.06
35558488	intron 7	47.07	46.11	-0.97	95.24	95.14	-0.10
35558513	intron 7	36.82	35.79	-1.03	95.34	94.62	-0.72

35558566	intron 7	22.75	18.45	-4.30	77.22	91.40	14.18
35558710	intron 7	15.84	15.00	-0.85	62.40	90.68	28.28
35558721	intron 7	16.45	17.70	1.25	59.53	92.70	33.16
35569751	intron 5	52.54	58.29	5.76	2.50	45.99	43.50
35569757	intron 5	48.53	52.88	4.35	2.34	43.16	40.81
35569777	intron 5	44.53	50.96	6.43	2.28	44.66	42.39
35569896	intron 5	19.99	26.98	7.00	0.89	36.17	35.27
35569922	intron 5	13.79	24.03	10.25	2.48	52.80	50.32
35570224	intron 5	33.14	33.16	0.02	9.09	51.68	42.59
35578739	intron 5	96.80	92.37	-4.42	95.40	95.03	-0.37
35578830	intron 5	96.35	93.85	-2.50	95.77	95.22	-0.55
35578891	intron 5	94.19	79.03	-15.16	88.78	93.32	4.55
35607856	intron 2	89.94	79.67	-10.27	92.03	91.57	-0.46
35607904	intron 2	96.08	93.86	-2.22	95.29	95.76	0.47
35607969	intron 2	95.79	94.13	-1.66	94.11	95.58	1.47
35608022	intron 2	95.44	93.28	-2.16	92.72	94.86	2.14

Supplementary Table 14. Results of multiple linear regression models on DNA methylation for each investigated CpG in blood of the humanized *FKBP5* mouse at baseline, after four and 24 hours of dexamethasone treatment.

Baseline						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	GenotypeRiA	-0.31299	0.097778	-3.20103	0.012593	0.020606
35558438	GenotypeRiA	-0.16106	0.099992	-1.61071	0.145909	0.181128
35558488	GenotypeRiA	-0.23615	0.13513	-1.74761	0.118664	0.152568
35558513	GenotypeRiA	-0.23524	0.095851	-2.45425	0.039673	0.057129
35558566	GenotypeRiA	-0.48008	0.113743	-4.22076	0.002913	0.005519
35558710	GenotypeRiA	-0.25749	0.086418	-2.97955	0.017612	0.027567
35558721	GenotypeRiA	-0.30569	0.151719	-2.01484	0.078686	0.104915
35569751	GenotypeRiA	-0.46482	0.077549	-5.99391	0.000326	0.000733
35569757	GenotypeRiA	-0.48166	0.076595	-6.28841	0.000236	0.000566
35569777	GenotypeRiA	-0.44611	0.078879	-5.65561	0.000478	0.001013
35569896	GenotypeRiA	-0.12673	0.080352	-1.57718	0.153406	0.184087
35569922	GenotypeRiA	-0.10508	0.081962	-1.28201	0.235742	0.26521
35570224	GenotypeRiA	-0.4909	0.091824	-5.34609	0.000689	0.001378
35578830	GenotypeRiA	-0.07387	0.108254	-0.68241	0.516917	0.54685
35578891	GenotypeRiA	-0.05196	0.129828	-0.40021	0.700937	0.700937
35607856	GenotypeRiA	-0.18533	0.05039	-3.67783	0.006239	0.010695

35607904	GenotypeRiA	-0.12383	0.093752	-1.32084	0.223085	0.259066
35608022	GenotypeRiA	-0.24211	0.094428	-2.56398	0.033439	0.050159
4 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	GenotypeRiA	0.077935	0.143471	0.543209	0.593302	0.974974
35558386	GroupDEX	-0.269	0.132829	-2.02516	0.057133	0.060494
35558386	GenotypeRiA: GroupDEX	-0.0825	0.191082	-0.43174	0.670787	0.763178
35558438	GenotypeRiA	0.06477	0.092038	0.703736	0.490133	0.974974
35558438	GroupDEX	-0.09192	0.08521	-1.07878	0.29419	0.29419
35558438	GenotypeRiA: GroupDEX	-0.28751	0.12258	-2.34545	0.030012	0.54022
35558488	GenotypeRiA	0.042628	0.136554	0.312167	0.758313	0.974974
35558488	GroupDEX	-0.50075	0.126425	-3.96082	0.000838	0.001885
35558488	GenotypeRiA: GroupDEX	0.162338	0.181869	0.892609	0.383233	0.763178
35558513	GenotypeRiA	0.199453	0.127134	1.568839	0.13319	0.818579
35558513	GroupDEX	-0.44954	0.117703	-3.81927	0.001158	0.002084
35558513	GenotypeRiA: GroupDEX	-0.14379	0.169323	-0.84921	0.406336	0.763178
35558566	GenotypeRiA	-0.14746	0.121479	-1.21385	0.239679	0.862843
35558566	GroupDEX	-0.32781	0.112468	-2.91468	0.008887	0.014543
35558566	GenotypeRiA: GroupDEX	0.005563	0.161792	0.034386	0.972928	0.972928
35558710	GenotypeRiA	-0.09564	0.170697	-0.56029	0.582191	0.974974
35558710	GroupDEX	-0.40933	0.148997	-2.74722	0.013251	0.019876
35558710	GenotypeRiA: GroupDEX	-0.14909	0.221764	-0.67228	0.509944	0.763178
35558721	GenotypeRiA	0.003526	0.152632	0.023104	0.981821	0.981821
35558721	GroupDEX	-0.51675	0.133228	-3.87866	0.001101	0.002084
35558721	GenotypeRiA: GroupDEX	-0.08462	0.198294	-0.42673	0.674639	0.763178
35569751	GenotypeRiA	-0.12419	0.371592	-0.33421	0.741885	0.974974
35569751	GroupDEX	-0.84636	0.344028	-2.46016	0.02364	0.032732
35569751	GenotypeRiA: GroupDEX	-0.45028	0.494903	-0.90984	0.374303	0.763178
35569757	GenotypeRiA	-0.13722	0.355147	-0.38637	0.703519	0.974974
35569757	GroupDEX	-0.76912	0.328802	-2.33917	0.030404	0.038962
35569757	GenotypeRiA: GroupDEX	-0.42681	0.473	-0.90235	0.37817	0.763178
35569777	GenotypeRiA	-0.12535	0.370084	-0.33871	0.738545	0.974974
35569777	GroupDEX	-0.79053	0.342631	-2.30723	0.032468	0.038962

35569777	GenotypeRiA: GroupDEX	-0.47923	0.492894	-0.97227	0.343131	0.763178
35569896	GenotypeRiA	-0.01861	0.102312	-0.18192	0.857573	0.981821
35569896	GroupDEX	-0.4168	0.094723	-4.40017	0.000308	0.001384
35569896	GenotypeRiA: GroupDEX	-0.14309	0.136264	-1.05009	0.30685	0.763178
35569922	GenotypeRiA	0.035665	0.075631	0.471564	0.642608	0.974974
35569922	GroupDEX	-0.40674	0.07002	-5.80884	1.35E-05	0.000185
35569922	GenotypeRiA: GroupDEX	-0.11599	0.100728	-1.15147	0.263825	0.763178
35570224	GenotypeRiA	-0.07301	0.477072	-0.15304	0.879979	0.981821
35570224	GroupDEX	-0.91501	0.441683	-2.07165	0.052154	0.058674
35570224	GenotypeRiA: GroupDEX	-0.34138	0.635386	-0.53728	0.597312	0.763178
35578830	GenotypeRiA	0.181531	0.116448	1.558895	0.13643	0.818579
35578830	GroupDEX	-0.4671	0.111491	-4.18957	0.000551	0.001652
35578830	GenotypeRiA: GroupDEX	-0.12529	0.157672	-0.79459	0.437201	0.763178
35578891	GenotypeRiA	0.069638	0.092551	0.75243	0.46152	0.974974
35578891	GroupDEX	-0.37999	0.088611	-4.28827	0.000442	0.001593
35578891	GenotypeRiA: GroupDEX	-0.06987	0.125314	-0.55755	0.584021	0.763178
35607856	GenotypeRiA	0.211998	0.078853	2.688537	0.014544	0.261798
35607856	GroupDEX	-0.29615	0.073003	-4.05672	0.000673	0.001731
35607856	GenotypeRiA: GroupDEX	-0.16742	0.105019	-1.5942	0.127392	0.763178
35607904	GenotypeRiA	0.107517	0.085725	1.254213	0.224976	0.862843
35607904	GroupDEX	-0.43916	0.079366	-5.53333	2.45E-05	0.000185
35607904	GenotypeRiA: GroupDEX	0.048082	0.114172	0.421137	0.678381	0.763178
35608022	GenotypeRiA	0.003647	0.09968	0.03659	0.971194	0.981821
35608022	GroupDEX	-0.5009	0.092286	-5.42774	3.09E-05	0.000185
35608022	GenotypeRiA: GroupDEX	0.010574	0.132759	0.079649	0.937349	0.972928
24 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	GenotypeRiA	0.011819	0.082102	0.143959	0.887049	0.887049
35558386	GroupDEX	0.061516	0.079392	0.774836	0.447973	0.914326
35558386	GenotypeRiA: GroupDEX	-0.12575	0.11421	-1.10106	0.284623	0.781271
35558438	GenotypeRiA	-0.01085	0.068875	-0.15747	0.876537	0.887049
35558438	GroupDEX	0.075294	0.066602	1.130506	0.272332	0.914326

35558438	GenotypeRiA: GroupDEX	-0.1049	0.09581	-1.09488	0.287255	0.781271
35558488	GenotypeRiA	-0.05626	0.092692	-0.60696	0.551059	0.708505
35558488	GroupDEX	0.049484	0.089632	0.552078	0.587331	0.914326
35558488	GenotypeRiA: GroupDEX	-0.16497	0.12894	-1.2794	0.216159	0.781271
35558513	GenotypeRiA	-0.2512	0.101118	-2.48427	0.022473	0.267959
35558513	GroupDEX	-0.23056	0.09778	-2.35798	0.029245	0.515021
35558513	GenotypeRiA: GroupDEX	0.087399	0.140662	0.62134	0.541759	0.781271
35558566	GenotypeRiA	-0.06068	0.133206	-0.45552	0.653897	0.784677
35558566	GroupDEX	-0.03959	0.128808	-0.30733	0.761939	0.914326
35558566	GenotypeRiA: GroupDEX	-0.05219	0.185298	-0.28163	0.781271	0.781271
35558710	GenotypeRiA	-0.31273	0.213781	-1.46285	0.159854	0.267959
35558710	GroupDEX	-0.08648	0.206724	-0.41836	0.680376	0.914326
35558710	GenotypeRiA: GroupDEX	0.127069	0.297384	0.427289	0.673972	0.781271
35558721	GenotypeRiA	-0.27462	0.189577	-1.4486	0.163753	0.267959
35558721	GroupDEX	0.039928	0.183319	0.217806	0.829903	0.93364
35558721	GenotypeRiA: GroupDEX	-0.10018	0.263715	-0.37987	0.708251	0.781271
35569751	GenotypeRiA	-0.23914	0.138937	-1.72122	0.101454	0.267959
35569751	GroupDEX	-0.04623	0.134351	-0.3441	0.734549	0.914326
35569751	GenotypeRiA: GroupDEX	0.062443	0.193271	0.323085	0.75016	0.781271
35569757	GenotypeRiA	-0.2321	0.141347	-1.64208	0.117022	0.267959
35569757	GroupDEX	-0.08311	0.136681	-0.60809	0.55033	0.914326
35569757	GenotypeRiA: GroupDEX	0.072619	0.196624	0.369328	0.715967	0.781271
35569777	GenotypeRiA	-0.2163	0.140607	-1.53831	0.140461	0.267959
35569777	GroupDEX	-0.07105	0.135965	-0.52257	0.607312	0.914326
35569777	GenotypeRiA: GroupDEX	0.056146	0.195594	0.287053	0.777179	0.781271
35569896	GenotypeRiA	-0.13528	0.088003	-1.53719	0.140734	0.267959
35569896	GroupDEX	-0.04412	0.085098	-0.51847	0.610119	0.914326
35569896	GenotypeRiA: GroupDEX	0.052781	0.122418	0.431154	0.671209	0.781271
35569922	GenotypeRiA	-0.13005	0.08481	-1.53345	0.141647	0.267959
35569922	GroupDEX	-0.08218	0.08201	-1.00211	0.328885	0.914326
35569922	GenotypeRiA: GroupDEX	0.05348	0.117976	0.453311	0.65546	0.781271
35570224	GenotypeRiA	-0.24167	0.136393	-1.77185	0.092457	0.267959
35570224	GroupDEX	-0.12492	0.13189	-0.94717	0.355442	0.914326

35570224	GenotypeRiA: GroupDEX	0.086381	0.189731	0.455281	0.654067	0.781271
35578830	GenotypeRiA	0.065951	0.094337	0.6991	0.492959	0.682559
35578830	GroupDEX	0.004265	0.091223	0.046756	0.963195	0.963195
35578830	GenotypeRiA: GroupDEX	-0.10968	0.131229	-0.83579	0.413663	0.781271
35578891	GenotypeRiA	-0.18655	0.089984	-2.07319	0.051997	0.267959
35578891	GroupDEX	-0.17614	0.087013	-2.02434	0.057225	0.515021
35578891	GenotypeRiA: GroupDEX	0.276222	0.125173	2.206713	0.039838	0.717082
35607856	GenotypeRiA	-0.01798	0.07192	-0.25004	0.805244	0.887049
35607856	GroupDEX	-0.00761	0.069546	-0.10944	0.914001	0.963195
35607856	GenotypeRiA: GroupDEX	-0.12291	0.100046	-1.22858	0.23423	0.781271
35607904	GenotypeRiA	0.170608	0.114953	1.484151	0.15417	0.267959
35607904	GroupDEX	0.054799	0.111159	0.49298	0.627676	0.914326
35607904	GenotypeRiA: GroupDEX	-0.12886	0.159908	-0.80584	0.430306	0.781271
35608022	GenotypeRiA	-0.11661	0.089369	-1.3048	0.207546	0.311318
35608022	GroupDEX	-0.05385	0.086419	-0.62312	0.540616	0.914326
35608022	GenotypeRiA: GroupDEX	0.05119	0.124319	0.411768	0.685118	0.781271

Supplementary Table 15. Results of multiple linear regression models on DNA methylation for each investigated CpG in the prefrontal cortex of the humanized *FKBP5* mouse at baseline, after four and 24 hours of dexamethasone treatment.

Baseline						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	Dissector Li	1.85	0.28	6.60714286	0.09562748	0.26196011
35558386	column2	-1.83	0.28	-6.5357143	0.09665669	0.26196011
35558386	column3	-15.29	0.28	-54.607143	0.01165687	0.17437452
35558386	column4	-17.34	0.395979 8	-43.790113	0.01453545	0.17437452
35558386	column9	-9.85	0.395979 8	-24.875006	0.02557897	0.17437452
35558386	column1 0	-5.91	0.28	-21.107143	0.03013881	0.17437452
35558386	column1 1	-9.76	0.370405 18	-26.349523	0.02414899	0.17437452

35558386	column1 2	1.4	0.28	5	0.12566592	0.29938057
35558386	Genotyp eRiA	NA	NA	NA	NA	NA
35558438	Dissector Li	2.4	2.56	0.9375	0.520529	0.59635025
35558438	column2	-2.02	2.56	-0.7890625	0.57471503	0.6376975
35558438	column3	-7.8	2.56	-3.046875	0.20189001	0.38434132
35558438	column4	-7.38	3.620386 72	-2.0384563	0.2903451	0.43061941
35558438	column9	-6.29	3.620386 72	-1.7373835	0.33248657	0.44885687
35558438	column1 0	-5.77	2.56	-2.2539063	0.26584028	0.42552271
35558438	column1 1	-5.28	3.386561 68	-1.5591035	0.36306533	0.46591765
35558438	column1 2	-4.71	2.56	-1.8398438	0.31694622	0.44648077
35558438	Genotyp eRiA	NA	NA	NA	NA	NA
35558488	Dissector Li	5.635	2.89	1.94982699	0.30168607	0.43250569
35558488	column2	-0.965	2.89	-0.33391	0.79483687	0.81287676
35558488	column3	-8.705	2.89	-3.0121107	0.20406456	0.38434132
35558488	column4	-10.08	4.087077 2	-2.4663102	0.24523092	0.41382719
35558488	column9	-10.77	4.087077 2	-2.635135	0.23090125	0.41105498
35558488	column1 0	-5.755	2.89	-1.9913495	0.29627248	0.43061941
35558488	column1 1	-9.13	3.823110 64	-2.3881077	0.25245653	0.41889992
35558488	column1 2	-2.175	2.89	-0.7525952	0.58927843	0.64069198
35558488	Genotyp eRiA	NA	NA	NA	NA	NA
35558513	Dissector Li	3.735	2.605	1.43378119	0.38771218	0.48771272
35558513	column2	-0.205	2.605	-0.0786948	0.95000436	0.95590501
35558513	column3	-6.195	2.605	-2.378119	0.25340859	0.41889992
35558513	column4	-7.61	3.684026 33	-2.0656747	0.28701976	0.43061941
35558513	column9	-7.295	3.684026 33	-1.9801704	0.29771219	0.43061941
35558513	column1 0	-5.775	2.605	-2.2168906	0.2697699	0.42552271

35558513	column1 1	-6.0875	3.446091 08	-1.7664942	0.32793218	0.44885687
35558513	column1 2	-2.72	2.605	-1.0441459	0.48625354	0.57921378
35558513	Genotyp eRiA	NA	NA	NA	NA	NA
35558566	Dissector Li	3.73	1.165	3.20171674	0.19272531	0.37616265
35558566	column2	-1.065	1.165	-0.9141631	0.52852886	0.59875297
35558566	column3	-6.98	1.165	-5.9914163	0.10528481	0.26196011
35558566	column4	-7.08	1.647558 8	-4.297267	0.1455548	0.32991717
35558566	column9	-8.325	1.647558 8	-5.0529304	0.12438296	0.29938057
35558566	column1 0	-4.265	1.165	-3.6609442	0.1697539	0.35714456
35558566	column1 1	-7.2025	1.541150 14	-4.6734577	0.13419665	0.31507039
35558566	column1 2	0.005	1.165	0.00429185	0.99726774	0.99726774
35558566	Genotyp eRiA	NA	NA	NA	NA	NA
35558710	Dissector Li	-0.71	2.16	-0.3287037	0.79782349	0.81287676
35558710	column2	-4.48	2.16	-2.0740741	0.28600787	0.43061941
35558710	column3	-7.8	2.16	-3.6111111	0.17198487	0.35719934
35558710	column4	-6.07	3.054701 29	-1.987101	0.2968181	0.43061941
35558710	column9	-6.42	3.054701 29	-2.1016785	0.28272867	0.43061941
35558710	column1 0	-8	2.16	-3.7037037	0.16788417	0.35714456
35558710	column1 1	-7.15	2.857411 42	-2.5022648	0.24203917	0.41382719
35558710	column1 2	-6.19	2.16	-2.8657407	0.2137381	0.39347242
35558710	Genotyp eRiA	NA	NA	NA	NA	NA
35558721	Dissector Li	-1.7	0.48	-3.5416667	0.17519092	0.35925226
35558721	column2	-4.25	0.48	-8.8541667	0.07159719	0.2319749
35558721	column3	-5.68	0.48	-11.833333	0.05367133	0.19659142
35558721	column4	-4.12	0.678822 51	-6.0693332	0.10395724	0.26196011
35558721	column9	-5.3	0.678822 51	-7.8076374	0.08109656	0.24132326

35558721	column1 0	-5.79	0.48	-12.0625	0.05265636	0.19659142
35558721	column1 1	-7.14	0.634980 31	-11.244443	0.05646783	0.19659142
35558721	column1 2	-5.45	0.48	-11.354167	0.05592496	0.19659142
35558721	Genotyp eRiA	NA	NA	NA	NA	NA
35569751	Dissector Li	13.78	3.67	3.75476839	0.16570334	0.35714456
35569751	column2	-9.11	3.67	-2.4822888	0.24380265	0.41382719
35569751	column3	10.92	3.67	2.97547684	0.20640553	0.38434132
35569751	column4	10.52	5.190163 77	2.02691099	0.29177734	0.43061941
35569751	column9	9.08	5.190163 77	1.7494631	0.33058284	0.44885687
35569751	column1 0	6.55	3.67	1.78474114	0.32513492	0.44885687
35569751	column1 1	9.865	4.854953 66	2.03194525	0.29115121	0.43061941
35569751	column1 2	-12.34	3.67	-3.3623978	0.18403151	0.36357445
35569751	Genotyp eRiA	NA	NA	NA	NA	NA
35569757	Dissector Li	15.07	3.87	3.89405685	0.16002701	0.35032941
35569757	column2	-8.74	3.87	-2.2583979	0.26537076	0.42552271
35569757	column3	9.85	3.87	2.54521964	0.23832818	0.41382719
35569757	column4	8.56	5.473006 49	1.56403981	0.36215139	0.46591765
35569757	column9	7.83	5.473006 49	1.43065791	0.38836383	0.48771272
35569757	column1 0	6.43	3.87	1.66149871	0.34491462	0.45692186
35569757	column1 1	9.005	5.119528 79	1.75895095	0.3291014	0.44885687
35569757	column1 2	-11.73	3.87	-3.0310078	0.20287695	0.38434132
35569757	Genotyp eRiA	NA	NA	NA	NA	NA
35569777	Dissector Li	16.76	3.93	4.26463104	0.14662985	0.32991717
35569777	column2	-6.46	3.93	-1.6437659	0.34794025	0.45692186
35569777	column3	10.39	3.93	2.6437659	0.23021155	0.41105498
35569777	column4	8.6	5.557859 3	1.54735835	0.36525643	0.46591765

35569777	column9	7.46	5.557859 3	1.34224341	0.40763219	0.50409477
35569777	column1 0	2.7	3.93	0.6870229	0.61677826	0.65768471
35569777	column1 1	8.625	5.198901 33	1.65900437	0.34533735	0.45692186
35569777	column1 2	-9.04	3.93	-2.3002545	0.26106942	0.42552271
35569777	Genotyp eRiA	NA	NA	NA	NA	NA
35569896	Dissector Li	12.29	0.31	39.6451613	0.01605454	0.17437452
35569896	column2	-3.77	0.31	-12.16129	0.05223054	0.19659142
35569896	column3	6.72	0.31	21.6774194	0.02934707	0.17437452
35569896	column4	5.01	0.438406 2	11.427758	0.05556665	0.19659142
35569896	column9	5.17	0.438406 2	11.7927163	0.05385531	0.19659142
35569896	column1 0	-0.24	0.31	-0.7741935	0.58059105	0.63983504
35569896	column1 1	6.165	0.410091 45	15.0332321	0.0422852	0.19659142
35569896	column1 2	-5.63	0.31	-18.16129	0.0350183	0.18879567
35569896	Genotyp eRiA	NA	NA	NA	NA	NA
35569922	Dissector Li	9.92	0.6	16.5333333	0.03845838	0.18879567
35569922	column2	-3.68	0.6	-6.1333333	0.10289135	0.26196011
35569922	column3	4.67	0.6	7.78333333	0.08134704	0.24132326
35569922	column4	5.32	0.848528 14	6.26968013	0.1006913	0.26196011
35569922	column9	5.19	0.848528 14	6.11647366	0.10317003	0.26196011
35569922	column1 0	0.98	0.6	1.63333333	0.34974266	0.45692186
35569922	column1 1	4.75	0.793725 39	5.98443749	0.10540536	0.26196011
35569922	column1 2	-5.02	0.6	-8.3666667	0.07573076	0.23711207
35569922	Genotyp eRiA	NA	NA	NA	NA	NA
35570224	Dissector Li	17.32	0.35	49.4857143	0.01286297	0.17437452
35570224	column2	-4.61	0.35	-13.171429	0.04824084	0.19659142
35570224	column3	7.54	0.35	21.5428571	0.02953012	0.17437452

35570224	column4	6.41	0.49497475	12.9501556	0.04906188	0.19659142
35570224	column9	5.51	0.49497475	11.131881	0.05703578	0.19659142
35570224	column10	-2.47	0.35	-7.0571429	0.08961268	0.25468867
35570224	column11	7.835	0.46300648	16.9220094	0.03757711	0.18879567
35570224	column12	-7.72	0.35	-22.057143	0.02884254	0.17437452
35570224	GenotypeRiA	NA	NA	NA	NA	NA
35578739	DissectorLi	-1.58	0.22	-7.1818182	0.08807696	0.25468867
35578739	column2	-0.74	0.22	-3.3636364	0.18396746	0.36357445
35578739	column3	-1.7	0.22	-7.7272727	0.08193074	0.24132326
35578739	column4	-2.59	0.31112698	-8.3245753	0.07611005	0.23711207
35578739	column9	-0.43	0.31112698	-1.3820723	0.39875179	0.49690608
35578739	column10	0.62	0.22	2.81818182	0.21707394	0.39512336
35578739	column11	-1.18	0.29103264	-4.054528	0.15394216	0.34162506
35578739	column12	-1.3	0.22	-5.9090909	0.10672449	0.26196011
35578739	GenotypeRiA	NA	NA	NA	NA	NA
35578830	DissectorLi	-0.69	0.62	-1.1129032	0.46601447	0.56567531
35578830	column2	0.76	0.62	1.22580645	0.43563559	0.53464368
35578830	column3	-1.37	0.62	-2.2096774	0.27054839	0.42552271
35578830	column4	-1.64	0.87681241	-1.8704115	0.31256465	0.44417082
35578830	column9	-0.97	0.87681241	-1.10628	0.46790427	0.56567531
35578830	column10	0.47	0.62	0.75806452	0.58706139	0.64069198
35578830	column11	-0.68	0.82018291	-0.8290834	0.55931598	0.62489095
35578830	column12	0.44	0.62	0.70967742	0.60708376	0.65565046
35578830	GenotypeRiA	NA	NA	NA	NA	NA
35578891	DissectorLi	-7.28	0.17	-42.823529	0.01486342	0.17437452

35578891	column2	2.82	0.17	16.5882353	0.0383314	0.18879567
35578891	column3	-5.53	0.17	-32.529412	0.01956443	0.17437452
35578891	column4	-7.52	0.240416 31	-31.279076	0.02034597	0.17437452
35578891	column9	-2.4	0.240416 31	-9.982684	0.06356037	0.21013836
35578891	column1 0	-0.43	0.17	-2.5294118	0.23968119	0.41382719
35578891	column1 1	-5.405	0.224888 86	-24.034094	0.02647293	0.17437452
35578891	column1 2	1.7	0.17	10	0.06345103	0.21013836
35578891	Genotyp eRiA	NA	NA	NA	NA	NA
35607856	Dissector Li	3.01	0.87	3.45977011	0.17912474	0.36272759
35607856	column2	0.95	0.87	1.09195402	0.47203471	0.56644166
35607856	column3	0.81	0.87	0.93103448	0.52272676	0.59635025
35607856	column4	1.25	1.230365 8	1.01595802	0.49496072	0.58104084
35607856	column9	-0.7	1.230365 8	-0.5689365	0.67069859	0.70554007
35607856	column1 0	-3.99	0.87	-4.5862069	0.13667265	0.31629957
35607856	column1 1	0.465	1.150901 82	0.40403099	0.75555295	0.78461268
35607856	column1 2	0.22	0.87	0.25287356	0.84232115	0.85285016
35607856	Genotyp eRiA	NA	NA	NA	NA	NA
35607904	Dissector Li	0.47	1.36	0.34558824	0.7881717	0.81287676
35607904	column2	0.67	1.36	0.49264706	0.70858859	0.74058937
35607904	column3	1.39	1.36	1.02205882	0.49305533	0.58104084
35607904	column4	1.32	1.923330 44	0.68630952	0.61708689	0.65768471
35607904	column9	1.28	1.923330 44	0.66551226	0.62617497	0.6630088
35607904	column1 0	-1.33	1.36	-0.9779412	0.50709955	0.59100811
35607904	column1 1	1.55	1.799110 89	0.86153667	0.54726551	0.61567369
35607904	column1 2	1.31	1.36	0.96323529	0.51192033	0.59236495
35607904	Genotyp eRiA	NA	NA	NA	NA	NA

4 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	Dissector Li	- 1.293956 9	1.794675 55	-0.7209977	0.48742424	0.77939049
35558386	column2	- 7.793362 7	2.827681 07	-2.7560968	0.02026509	0.30053396
35558386	column4	- 6.539662 3	4.436335 23	-1.4741137	0.17122143	0.99071103
35558386	column9	- 3.949312 6	3.528478 64	-1.1192678	0.28918958	0.43378438
35558386	column10	- 2.219792 6	2.314370 46	-0.9591345	0.36010639	0.49860885
35558386	column11	- 1.680525 1	3.471635 28	-0.484073	0.63876013	0.76651215
35558386	column12	0.057824 65	2.650115 35	0.02181967	0.98302105	0.98302105
35558386	GenotypeRiA	- 1.432231 5	2.593624 77	-0.5522123	0.59292942	0.94177674
35558386	GroupDEX	- 1.890880 8	2.854912 08	-0.6623254	0.52273326	0.7694266
35558386	GenotypeRiA:GroupDEX	1.264499	3.377388 5	0.3744014	0.71592268	0.97189416
35558438	Dissector Li	0.893159 32	1.492627 23	0.59838069	0.56289313	0.77939049
35558438	column2	- 3.496445 9	2.351775 38	-1.4867261	0.16792107	0.32281838
35558438	column4	- 0.044042 1	3.689689 09	-0.0119365	0.99071103	0.99071103
35558438	column9	- 0.248969 9	2.934627	-0.0848387	0.9340641	0.9340641
35558438	column10	- 1.322779 6	1.924856 21	-0.6872095	0.50757446	0.57102126

35558438	column1 1	- 2.427988	2.887350 51	-0.8409052	0.42005372	0.54006907
35558438	column1 2	- 1.793915 8	2.204094 41	-0.8139015	0.43465366	0.66171803
35558438	Genotyp eRiA	0.661051 1	2.157111 34	0.30645201	0.76554605	0.94177674
35558438	GroupDE X	2.254882 77	2.374423 35	0.9496549	0.36467375	0.7694266
35558438	Genotyp eRiA:Gro upDEX	- 1.879759 5	2.808965 7	-0.6691999	0.51851876	0.97189416
35558488	Dissector Li	0.545966 93	1.552351 6	0.35170314	0.73235909	0.86195608
35558488	column2	- 3.295756 5	2.445876 77	-1.3474745	0.20756298	0.32281838
35558488	column4	- 0.159689 4	3.837324 31	-0.0416148	0.96762496	0.99071103
35558488	column9	- 3.547364 7	3.052049 98	-1.1622892	0.27210601	0.43378438
35558488	column1 0	- 1.414008	2.001875 32	-0.7063417	0.4961029	0.57102126
35558488	column1 1	- 4.227945 9	3.002881 83	-1.4079628	0.1894617	0.28419255
35558488	column1 2	- 1.870621 2	2.292286 65	-0.8160503	0.4334796	0.66171803
35558488	Genotyp eRiA	0.217479 96	2.243423 65	0.0969411	0.92468855	0.94177674
35558488	GroupDE X	0.423722 44	2.469430 95	0.17158708	0.86718471	0.86718471
35558488	Genotyp eRiA:Gro upDEX	- 0.588917 8	2.921360 61	-0.2015903	0.84427871	0.97189416
35558513	Dissector Li	- 0.297566 6	1.568177 69	-0.1897531	0.85329891	0.90349297
35558513	column2	- 2.846782 1	2.470812 27	-1.1521644	0.2760532	0.3822275

35558513	column4	- 0.471586 2	3.876445 5	-0.1216543	0.90558274	0.99071103
35558513	column9	- 2.555795 6	3.083165 37	-0.8289518	0.42647505	0.59050392
35558513	column1 0	- 1.574001	2.022284 27	-0.7783283	0.45439754	0.57102126
35558513	column1 1	- 3.262118 2	3.033495 95	-1.0753659	0.30747156	0.42572985
35558513	column1 2	- 0.775827 7	2.315656 32	-0.3350358	0.74451999	0.78831529
35558513	Genotyp eRiA	0.428497 49	2.266295 16	0.189074	0.85381712	0.94177674
35558513	GroupDE X	2.482152 81	2.494606 59	0.99500772	0.34319894	0.7694266
35558513	Genotyp eRiA:Gro upDEX	- 2.437364 7	2.951143 63	-0.8259052	0.42812226	0.97189416
35558566	Dissector Li	- 0.487508	1.238114 9	-0.3937502	0.70203049	0.86195608
35558566	column2	- 0.446304 6	1.950767 13	-0.2287842	0.82364758	0.82364758
35558566	column4	- 0.923818 6	3.060549 17	-0.3018473	0.76895251	0.99071103
35558566	column9	0.834941 88	2.434234 97	0.34299971	0.73869987	0.79441752
35558566	column1 0	0.545740 48	1.596643 22	0.3418049	0.73957195	0.73957195
35558566	column1 1	- 0.377623 2	2.395019 74	-0.1576702	0.87785494	0.92949346
35558566	column1 2	- 1.022862 7	1.828267 68	-0.559471	0.58815108	0.66171803
35558566	Genotyp eRiA	- 0.314898 8	1.789295 83	-0.1759903	0.86381438	0.94177674
35558566	GroupDE X	1.684826 65	1.969553 32	0.85543592	0.41233666	0.7694266

35558566	Genotyp eRiA:Gro upDEX	- 2.712464 9	2.330000 56	-1.1641478	0.27138631	0.97189416
35558710	Dissector Li	- 0.662481 7	1.018591 47	-0.65039	0.53169026	0.77939049
35558710	column2	0.689402 44	1.561831 51	0.44140641	0.6693331	0.7351455
35558710	column4	- 1.520146 3	2.447831 9	-0.6210175	0.54999048	0.99071103
35558710	column9	0.638890 24	1.946778 52	0.32817819	0.75028322	0.79441752
35558710	column1 0	0.855920 73	1.344238 74	0.63673268	0.54015408	0.57192785
35558710	column1 1	- 0.723243 9	1.914983 59	-0.3776763	0.71442389	0.80372687
35558710	column1 2	0.823792 68	1.467249 34	0.56145377	0.58819381	0.66171803
35558710	Genotyp eRiA	- 0.266286 6	1.432671 17	-0.1858672	0.85667055	0.94177674
35558710	GroupDE X	0.543128 05	1.584595 2	0.34275508	0.73965212	0.83210864
35558710	Genotyp eRiA:Gro upDEX	- 2.009878	1.897808 5	-1.0590521	0.31717053	0.97189416
35558721	Dissector Li	- 1.632109 8	0.816383 8	-1.9991942	0.07665234	0.17246776
35558721	column2	0.508085 37	1.251781 49	0.40588982	0.69430408	0.7351455
35558721	column4	- 2.028122	1.961895 78	-1.0337562	0.32822768	0.99071103
35558721	column9	0.969658 54	1.560309 99	0.6214525	0.54971679	0.70677873
35558721	column1 0	2.142975 61	1.077384 57	1.98905356	0.0779153	0.13822048
35558721	column1 1	- 0.082536 6	1.534826 89	-0.0537758	0.95828854	0.95828854
35558721	column1 2	1.254243 9	1.175975 48	1.06655617	0.31394605	0.66171803

35558721	Genotyp eRiA	- 0.123280 5	1.148261 66	-0.1073627	0.91685648	0.94177674
35558721	GroupDE X	- 0.885768 3	1.270026 2	-0.697441	0.50314403	0.7694266
35558721	Genotyp eRiA:Gro upDEX	- 2.230731 7	1.521061 35	-1.4665626	0.17654539	0.97189416
35569751	Dissector Li	6.096292 59	2.384244 01	2.556908	0.02852403	0.12970715
35569751	column2	- 4.970881 8	3.756601 95	-1.3232389	0.21521225	0.32281838
35569751	column4	- 0.584869 7	5.893714 73	-0.0992362	0.9229119	0.99071103
35569751	column9	- 8.339378 8	4.687618 37	-1.7790225	0.10559455	0.23338305
35569751	column1 0	- 5.888777 6	3.074663 78	-1.915259	0.08446807	0.13822048
35569751	column1 1	- 8.915751 5	4.612101 41	-1.9331213	0.0820097	0.19512068
35569751	column1 2	- 2.680260 5	3.520704 15	-0.7612854	0.4640609	0.66171803
35569751	Genotyp eRiA	0.258056 11	3.445655 87	0.07489318	0.94177674	0.94177674
35569751	GroupDE X	- 2.871422 8	3.792778 61	-0.7570763	0.46646768	0.7694266
35569751	Genotyp eRiA:Gro upDEX	1.584969 94	4.486893 65	0.35324437	0.73123842	0.97189416
35569757	Dissector Li	5.649823 65	2.501000 5	2.2590254	0.04744697	0.13097462
35569757	column2	- 5.611201 4	3.940562 83	-1.4239594	0.18490498	0.32281838
35569757	column4	-0.46151	6.182330 08	-0.0746499	0.94196552	0.99071103
35569757	column9	- 8.896278 6	4.917171 15	-1.8092269	0.10052896	0.23338305

35569757	column1 0	- 6.776209 4	3.225230 14	-2.1010003	0.06197296	0.13822048
35569757	column1 1	- 9.857711 4	4.837956 13	-2.0375777	0.068926	0.19512068
35569757	column1 2	-3.06548	3.693113 11	-0.8300531	0.4258807	0.66171803
35569757	Genotyp eRiA	1.592226 45	3.614389 72	0.44052429	0.66892751	0.94177674
35569757	GroupDE X	- 2.163813 6	3.978511 07	-0.5438752	0.59844291	0.7694266
35569757	Genotyp eRiA:Gro upDEX	- 0.499228 5	4.706616 93	-0.1060695	0.91762483	0.97189416
35569777	Dissector Li	6.553963 93	2.955947 83	2.21721231	0.05093458	0.13097462
35569777	column2	- 6.369870 7	4.657375 38	-1.3676954	0.20135627	0.32281838
35569777	column4	- 0.605433 9	7.306933 85	-0.0828574	0.9356	0.99071103
35569777	column9	- 10.45376 2	5.811634 75	-1.7987644	0.10225784	0.23338305
35569777	column1 0	- 8.202417 8	3.811919 28	-2.1517816	0.0568932	0.13822048
35569777	column1 1	- 10.86030 5	5.718010 03	-1.8993154	0.0867203	0.19512068
35569777	column1 2	- 2.655632 3	4.364913 05	-0.6084044	0.55648535	0.66171803
35569777	Genotyp eRiA	1.953705 41	4.271869 38	0.45734203	0.65720009	0.94177674
35569777	GroupDE X	- 2.698030 1	4.702226 64	-0.5737771	0.57879409	0.7694266
35569777	Genotyp eRiA:Gro upDEX	- 0.241092 2	5.562779 43	-0.0433402	0.96628351	0.97189416
35569896	Dissector Li	6.098889 78	1.984907 63	3.07263153	0.01178781	0.12970715

35569896	column2	- 5.743188 4	3.127409 71	-1.8364042	0.09616299	0.3208469
35569896	column4	0.277368 74	4.906578 06	0.05652998	0.95603318	0.99071103
35569896	column9	- 8.000549 1	3.902490 45	-2.0501137	0.06749545	0.23338305
35569896	column1 0	- 5.773693 4	2.559689 18	-2.2556228	0.04772191	0.13822048
35569896	column1 1	- 9.015819 6	3.839621 8	-2.348101	0.04077247	0.19512068
35569896	column1 2	- 3.307737 5	2.931022 37	-1.1285269	0.28544384	0.66171803
35569896	Genotyp eRiA	0.915266 53	2.868543 91	0.31907008	0.75623843	0.94177674
35569896	GroupDE X	- 2.655258 5	3.157527 16	-0.8409297	0.42004059	0.7694266
35569896	Genotyp eRiA:Gro upDEX	0.293607 21	3.735385 05	0.07860159	0.93890012	0.97189416
35569922	Dissector Li	4.597808 62	1.810284 74	2.5398262	0.0293719	0.12970715
35569922	column2	- 6.352272 5	2.852274 83	-2.2270899	0.05008899	0.30053396
35569922	column4	- 2.001732 5	4.474920 27	-0.4473225	0.66417548	0.99071103
35569922	column9	- 7.930262 5	3.559167 59	-2.2281228	0.05000136	0.23338305
35569922	column1 0	- 5.889758 5	2.334499 7	-2.5229211	0.03023558	0.13822048
35569922	column1 1	- 7.416505	3.501829 84	-2.1178942	0.06023673	0.19512068
35569922	column1 2	- 4.191035 1	2.673164 73	-1.5678177	0.14799422	0.66171803
35569922	Genotyp eRiA	- 0.762646 3	2.616182 83	-0.2915111	0.77661783	0.94177674

35569922	GroupDEX	- 3.0095762	2.87974269	-1.0450851	0.32058817	0.7694266
35569922	GenotypeRiA:GroupDEX	1.7648998	3.40676335	0.51805765	0.61568534	0.97189416
35570224	DissectorLi	7.14838377	2.95324709	2.42051666	0.03602976	0.12970715
35570224	column2	- 8.1074168	4.65312011	-1.7423614	0.1120563	0.3208469
35570224	column4	- 0.3796202	7.30025777	-0.0520009	0.95955205	0.99071103
35570224	column9	- 11.402343	5.80632487	-1.9637797	0.07794561	0.23338305
35570224	column10	- 9.151013	3.80843647	-2.4028267	0.03713584	0.13822048
35570224	column11	- 12.764537	5.71278569	-2.2343805	0.04947359	0.19512068
35570224	column12	- 3.4212595	4.36092498	-0.7845261	0.45091605	0.66171803
35570224	GenotypeRiA	2.45821743	4.26796633	0.57596927	0.57736748	0.94177674
35570224	GroupDEX	- 1.9002635	4.69793039	-0.4044895	0.69436881	0.83210864
35570224	GenotypeRiA:GroupDEX	1.20425852	5.55769692	0.21668301	0.83281197	0.97189416
35578739	DissectorLi	- 1.1018868	0.42434884	-2.5966532	0.02664407	0.12970715
35578739	column2	1.58730261	0.66860174	2.37406293	0.03900578	0.30053396
35578739	column4	0.99837575	1.04896605	0.95177127	0.36365045	0.99071103
35578739	column9	1.20194589	0.83430447	1.44065618	0.18024899	0.32444819
35578739	column10	1.08710321	0.54723007	1.98655605	0.07504959	0.13822048
35578739	column11	1.30317836	0.82086393	1.58756928	0.14346747	0.26440392

35578739	column1 2	0.402748 5	0.626616 54	0.64273518	0.53485418	0.66171803
35578739	Genotyp eRiA	- 0.261492	0.613259 41	-0.426397	0.67885165	0.94177674
35578739	GroupDE X	0.142011 02	0.675040 48	0.21037408	0.83760036	0.86718471
35578739	Genotyp eRiA:Gro upDEX	0.348567 13	0.798579 39	0.43648401	0.67175902	0.97189416
35578830	Dissector Li	- 0.566431 9	0.376017 47	-1.5063977	0.16288362	0.29319052
35578830	column2	0.300089 18	0.592451 09	0.50652144	0.62347078	0.7351455
35578830	column4	- 0.361791 6	0.929493 66	-0.3892351	0.70526222	0.99071103
35578830	column9	0.308993 99	0.739281 04	0.41796553	0.6848056	0.79441752
35578830	column1 0	0.961955 91	0.484903 09	1.98381064	0.07539322	0.13822048
35578830	column1 1	1.110797 6	0.727371 31	1.52713968	0.15771508	0.26440392
35578830	column1 2	0.854583 17	0.555247 81	1.53910228	0.15479986	0.66171803
35578830	Genotyp eRiA	- 0.871610 2	0.543412	-1.6039584	0.13980482	0.94177674
35578830	GroupDE X	- 0.528776 6	0.598156 48	-0.8840104	0.3974463	0.7694266
35578830	Genotyp eRiA:Gro upDEX	1.065951 9	0.707624 88	1.50637991	0.16288813	0.97189416
35578891	Dissector Li	- 3.041554 1	1.663654 86	-1.8282362	0.09745643	0.19491286
35578891	column2	5.076443 89	2.621245 58	1.93665329	0.08153158	0.3208469
35578891	column4	- 0.109400 8	4.112459 6	-0.0266023	0.97930035	0.99071103
35578891	column9	5.616857 72	3.270881 27	1.71723069	0.11669152	0.23338305
35578891	column1 0	4.942623 25	2.145409 33	2.30381363	0.04396801	0.13822048

35578891	column1 1	7.889543 09	3.218187 78	2.4515484	0.03416713	0.19512068
35578891	column1 2	2.032801 6	2.456643 09	0.82747128	0.42727499	0.66171803
35578891	Genotyp eRiA	- 1.279441 9	2.404276 62	-0.5321525	0.60624063	0.94177674
35578891	GroupDE X	1.832954 91	2.646488 59	0.69259883	0.50432685	0.7694266
35578891	Genotyp eRiA:Gro upDEX	1.590861 72	3.130821 51	0.50812917	0.62238282	0.97189416
35607856	Dissector Li	- 0.264123 2	0.864305 25	-0.3055902	0.76618318	0.86195608
35607856	column2	- 2.281683 4	1.361794 67	-1.6754973	0.1247738	0.3208469
35607856	column4	0.390475 95	2.136513 12	0.18276319	0.85863596	0.99071103
35607856	column9	- 4.129268 5	1.699294 69	-2.4299897	0.03545082	0.23338305
35607856	column1 0	- 2.433802 6	1.114587 28	-2.1835909	0.05391718	0.13822048
35607856	column1 1	- 4.053707 4	1.671919 26	-2.4245832	0.03578011	0.19512068
35607856	column1 2	- 1.723451 9	1.276280 06	-1.3503713	0.20666409	0.66171803
35607856	Genotyp eRiA	- 0.175756 5	1.249074 53	-0.1407094	0.89089354	0.94177674
35607856	GroupDE X	- 1.503852 7	1.374908 97	-1.0937835	0.29969667	0.7694266
35607856	Genotyp eRiA:Gro upDEX	0.080851 7	1.626530 56	0.04970808	0.96133386	0.97189416
35607904	Dissector Li	0.023131 26	0.391473 64	0.05908766	0.9540464	0.9540464
35607904	column2	- 0.503512	0.616803 74	-0.8163245	0.43332993	0.55713848

35607904	column4	- 1.113657 3	0.967700 43	-1.1508286	0.27657734	0.99071103
35607904	column9	- 1.746673 3	0.769669 13	-2.2693821	0.04661951	0.23338305
35607904	column1 0	- 0.643937 9	0.504835	-1.2755413	0.23095119	0.34642678
35607904	column1 1	- 1.144669 3	0.757269 86	-1.5115739	0.16158018	0.26440392
35607904	column1 2	- 0.432685 4	0.578071 23	-0.7484984	0.47139736	0.66171803
35607904	Genotyp eRiA	0.125155 31	0.565748 91	0.2212206	0.82937242	0.94177674
35607904	GroupDE X	- 0.679473 9	0.622743 66	-1.0910973	0.30082109	0.7694266
35607904	Genotyp eRiA:Gro upDEX	0.026613 23	0.736711 75	0.03612434	0.97189416	0.97189416
24 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	Dissector Li	- 5.373676 5	2.489152 5	-2.1588378	0.05181881	0.08479441
35558386	column2	- 8.964832 9	5.425789 28	-1.6522634	0.12438597	0.60039288
35558386	column3	- 12.96569 2	6.440443 24	-2.0131677	0.06708586	0.71871644
35558386	column9	- 11.36239 3	5.921498 14	-1.9188375	0.07909996	0.32354286
35558386	column1 0	- 9.333036 7	5.476135 49	-1.7043108	0.11405396	0.50017495
35558386	column1 1	- 7.329483 4	5.532711 08	-1.3247544	0.20992694	0.41985389

35558386	column1 2	- 7.982298 5	5.991208 79	-1.3323352	0.20749896	0.48871956
35558386	Genotyp eRiA	- 1.677603 1	3.876817 39	-0.4327269	0.67288823	0.94283549
35558386	GroupDE X	0.478711 93	4.315399 72	0.11093107	0.91350479	0.92414001
35558386	Genotyp eRiA:Gro upDEX	- 0.748998 5	5.126238 12	-0.1461108	0.88625972	0.96511189
35558438	Dissector Li	0.218536 38	1.713133 01	0.12756533	0.90060574	0.90060574
35558438	column2	- 0.442428 1	3.734242 37	-0.1184787	0.90764857	0.95008097
35558438	column3	- 0.549957 7	4.432567 28	-0.124072	0.90331228	0.95060099
35558438	column9	- 1.694044	4.075408 77	-0.4156746	0.68498483	0.77060794
35558438	column1 0	-2.78978	3.768892 62	-0.7402121	0.47340569	0.53620824
35558438	column1 1	1.649280 88	3.807830 17	0.43312879	0.67260425	0.71216921
35558438	column1 2	0.474873 1	4.123386 4	0.1151658	0.91021837	0.95352844
35558438	Genotyp eRiA	- 2.121903 6	2.668178 77	-0.7952629	0.44190719	0.94283549
35558438	GroupDE X	- 2.916472 1	2.970028 44	-0.9819677	0.34549992	0.92414001
35558438	Genotyp eRiA:Gro upDEX	0.510668 36	3.528079 43	0.14474401	0.88731562	0.96511189
35558488	Dissector Li	1.172582 52	1.090332 58	1.07543565	0.30173461	0.33945143
35558488	column2	0.651597 88	2.392499 05	0.27235032	0.78963048	0.88833429
35558488	column3	- 0.655939 2	2.839371 24	-0.2310157	0.8208987	0.92351103
35558488	column9	- 1.305903 4	2.611022 88	-0.5001501	0.62532852	0.75039423

35558488	column1 0	- 2.472983 2	2.412485 02	-1.0250771	0.32402386	0.53620824
35558488	column1 1	0.546550 33	2.434510 89	0.22450108	0.82585748	0.82585748
35558488	column1 2	- 2.464273 9	2.569229 88	-0.9591489	0.35498371	0.49151591
35558488	Genotyp eRiA	- 2.526451 1	1.707543 11	-1.4795826	0.16280593	0.94283549
35558488	GroupDE X	- 2.666659 6	1.886481 71	-1.4135624	0.18098716	0.92414001
35558488	Genotyp eRiA:Gro upDEX	2.467559 24	2.245409 75	1.09893495	0.29173226	0.96511189
35558513	Dissector Li	- 0.275477 6	1.351678 17	-0.2038042	0.84166226	0.8911718
35558513	column2	- 1.755862 2	2.965965 43	-0.5920036	0.56400282	0.78092698
35558513	column3	- 3.644006 9	3.519949 97	-1.0352439	0.31942953	0.71871644
35558513	column9	- 2.306725 3	3.236868	-0.7126411	0.48866239	0.68566842
35558513	column1 0	- 3.226373 6	2.990741 91	-1.078787	0.30029267	0.53620824
35558513	column1 1	- 1.378719 4	3.018047 24	-0.456825	0.65533643	0.71216921
35558513	column1 2	- 4.433264 9	3.185057 49	-1.3918948	0.18731048	0.48871956
35558513	Genotyp eRiA	- 2.032730 4	2.116830 03	-0.960271	0.35443979	0.94283549
35558513	GroupDE X	- 0.941796 6	2.338659 05	-0.402708	0.69370704	0.92414001
35558513	Genotyp eRiA:Gro upDEX	1.483432 81	2.783619 79	0.53291502	0.60308362	0.96511189

35558566	Dissector Li	- 2.278876 6	1.105650 58	-2.0611183	0.05988308	0.08982462
35558566	column2	- 2.057826 4	2.426111 08	-0.8481996	0.41167257	0.67364603
35558566	column3	- 3.220996 5	2.879261 35	-1.1186885	0.28351877	0.71871644
35558566	column9	- 2.504111	2.647704 94	-0.9457666	0.36151586	0.65072854
35558566	column1 0	- 2.061945	2.446377 83	-0.8428563	0.41454769	0.53620824
35558566	column1 1	- 2.382981 8	2.468713 14	-0.9652729	0.3520224	0.5280336
35558566	column1 2	- 3.409456 2	2.605324 79	-1.3086492	0.21331656	0.48871956
35558566	Genotyp eRiA	- 1.259986 6	1.731532 25	-0.7276715	0.47971617	0.94283549
35558566	GroupDE X	- 0.365668	1.912984 75	-0.1911505	0.85136073	0.92414001
35558566	Genotyp eRiA:Gro upDEX	0.620925 31	2.276955 34	0.27269982	0.78936762	0.96511189
35558710	Dissector Li	- 1.518661 8	1.041732 76	-1.4578228	0.16862099	0.21279333
35558710	column2	- 1.102061 3	2.285857 24	-0.4821217	0.63773529	0.81994537
35558710	column3	- 1.093744 2	2.712810 83	-0.4031775	0.69337013	0.84004454
35558710	column9	- 1.596541 1	2.494640 73	-0.6399884	0.53329766	0.68566842
35558710	column1 0	- 1.452294 7	2.304952 37	-0.6300758	0.53956251	0.57130148
35558710	column1 1	- 2.007967 6	2.325996 47	-0.863272	0.40363395	0.55887777

35558710	column1 2	- 2.818901 1	2.454710 59	-1.1483639	0.27151086	0.48871956
35558710	Genotyp eRiA	- 2.924072 4	1.631432 12	-1.7923347	0.09637012	0.86733111
35558710	GroupDE X	- 0.371507 3	1.802394 82	-0.2061187	0.8398911	0.92414001
35558710	Genotyp eRiA:Gro upDEX	1.329609 25	2.145324 22	0.61977077	0.54611889	0.96511189
35558721	Dissector Li	- 1.585145 4	0.864636 76	-1.8333079	0.089748	0.12426646
35558721	column2	- 0.630086	1.897258 38	-0.3321034	0.74510486	0.88833429
35558721	column3	- 0.142209 8	2.251629 27	-0.0631586	0.95060099	0.95060099
35558721	column9	0.177510 79	2.070548 38	0.0857313	0.93298635	0.9529167
35558721	column1 0	- 1.502554	1.913107 31	-0.7853997	0.44629793	0.53620824
35558721	column1 1	- 1.542650 9	1.930573 88	-0.7990634	0.43860976	0.56392684
35558721	column1 2	- 2.417522 7	2.037406 42	-1.1865687	0.25663028	0.48871956
35558721	Genotyp eRiA	- 3.500037 5	1.354086 42	-2.5847962	0.02264976	0.40769569
35558721	GroupDE X	- 0.525129 5	1.495985 23	-0.3510259	0.73119229	0.92414001
35558721	Genotyp eRiA:Gro upDEX	2.430409 13	1.780616 16	1.36492591	0.19543446	0.96511189
35569751	Dissector Li	17.02418 55	4.986487 66	3.41406349	0.00461591	0.00999774
35569751	column2	15.14844 47	10.94176 88	1.38446032	0.18952172	0.60039288
35569751	column3	15.13216 23	12.98547 8	1.16531424	0.26482894	0.71871644

35569751	column9	22.86578 13	11.94115 78	1.91487138	0.07777222	0.32354286
35569751	column1 0	15.68609 34	11.03317 19	1.42172111	0.17865254	0.50017495
35569751	column1 1	24.57883 29	11.13390 42	2.20756641	0.04585559	0.18162673
35569751	column1 2	14.84942 78	11.75002 32	1.26377859	0.22850191	0.48871956
35569751	Genotyp eRiA	- 2.278001 3	7.809216 02	-0.2917068	0.77511365	0.94283549
35569751	GroupDE X	1.290624 13	8.627567 37	0.14959305	0.88338158	0.92414001
35569751	Genotyp eRiA:Gro upDEX	2.520604 5	10.26907 59	0.24545583	0.8099359	0.96511189
35569757	Dissector Li	16.90313 56	4.753405 05	3.55600574	0.00351574	0.00999774
35569757	column2	14.39764 59	10.43031 94	1.38036481	0.19074901	0.60039288
35569757	column3	15.34884 65	12.37849 98	1.23996015	0.23690603	0.71871644
35569757	column9	22.23939 3	11.38299 41	1.95373842	0.07259289	0.32354286
35569757	column1 0	15.47303 5	10.51745 01	1.47117741	0.1650318	0.50017495
35569757	column1 1	24.30059 04	10.61347 39	2.28959818	0.03941183	0.18162673
35569757	column1 2	14.39714 7	11.20079 37	1.28536846	0.22109083	0.48871956
35569757	Genotyp eRiA	- 1.022934 4	7.444191 05	-0.1374138	0.89280922	0.94283549
35569757	GroupDE X	1.332284 02	8.224290 33	0.1619938	0.87380146	0.92414001
35569757	Genotyp eRiA:Gro upDEX	2.153564 39	9.789070 08	0.21999683	0.82929061	0.96511189
35569777	Dissector Li	17.94346 86	4.721576 15	3.80031329	0.00220602	0.0099271
35569777	column2	15.50821 7	10.36047 78	1.49686311	0.1583092	0.60039288
35569777	column3	16.28749 49	12.29561 31	1.32465903	0.20809941	0.71871644
35569777	column9	23.13624 56	11.30677 34	2.04622883	0.06151344	0.32354286

35569777	column1 0	16.92377 21	10.44702 5	1.6199609	0.12923335	0.50017495
35569777	column1 1	25.72494 81	10.54240 58	2.44014018	0.02975907	0.18162673
35569777	column1 2	15.62216 84	11.12579 3	1.40413977	0.18371491	0.48871956
35569777	Genotyp eRiA	- 1.594075 6	7.394344 59	-0.2155804	0.83266036	0.94283549
35569777	GroupDE X	0.810052 99	8.169220 31	0.09915916	0.92252466	0.92414001
35569777	Genotyp eRiA:Gro upDEX	3.012787 17	9.723522 27	0.30984525	0.76158953	0.96511189
35569896	Dissector Li	11.62079 65	3.352691 9	3.46610928	0.00417696	0.00999774
35569896	column2	9.261109 09	7.356757 31	1.2588575	0.23021856	0.60039288
35569896	column3	7.431091 42	8.730856 19	0.85112975	0.41010154	0.72836102
35569896	column9	13.86502 68	8.028701 91	1.72693256	0.10784762	0.32354286
35569896	column1 0	10.87986 62	7.418212 69	1.46664252	0.16624334	0.50017495
35569896	column1 1	15.55561 77	7.485940 6	2.07797771	0.05808538	0.18162673
35569896	column1 2	9.285646 08	7.900191 53	1.17536974	0.26092529	0.48871956
35569896	Genotyp eRiA	- 0.768935 9	5.250568 54	-0.1464481	0.88581428	0.94283549
35569896	GroupDE X	2.534678 84	5.800791 49	0.43695396	0.66931505	0.92414001
35569896	Genotyp eRiA:Gro upDEX	1.362047 43	6.904468 61	0.19727042	0.84666684	0.96511189
35569922	Dissector Li	9.844512 36	2.823379 94	3.48678271	0.00401453	0.00999774
35569922	column2	6.449509 15	6.195296 7	1.04103314	0.31683482	0.63366964
35569922	column3	5.790074 4	7.352457 38	0.78750193	0.44510951	0.72836102
35569922	column9	10.46414 36	6.761156 9	1.54768536	0.1456899	0.32780228
35569922	column1 0	8.239282 2	6.247049 71	1.31890774	0.20996157	0.50017495

35569922	column1 1	12.95523 34	6.304084 96	2.05505374	0.06054224	0.18162673
35569922	column1 2	6.774325 55	6.652935 31	1.01824612	0.32713768	0.49151591
35569922	Genotyp eRiA	- 1.174052	4.421626 07	-0.2655249	0.7947692	0.94283549
35569922	GroupDE X	1.700277 27	4.884981 64	0.34806216	0.73336497	0.92414001
35569922	Genotyp eRiA:Gro upDEX	1.464482 39	5.814413 85	0.25187103	0.80507877	0.96511189
35570224	Dissector Li	17.50270 99	4.413001 79	3.96616878	0.00161162	0.0099271
35570224	column2	14.90373 76	9.683378 06	1.53910521	0.14775811	0.60039288
35570224	column3	15.48952 43	11.49204 44	1.34784759	0.20072691	0.71871644
35570224	column9	18.83739 39	10.56782 94	1.78252253	0.0980195	0.32354286
35570224	column1 0	15.36303 04	9.764269 1	1.57339277	0.13964106	0.50017495
35570224	column1 1	23.41865 18	9.853416 39	2.37670376	0.0335137	0.18162673
35570224	column1 2	15.12582 27	10.39867 68	1.4545911	0.16949934	0.48871956
35570224	Genotyp eRiA	1.746649 18	6.911093 86	0.25273122	0.80442812	0.94283549
35570224	GroupDE X	0.741272 88	7.635328 28	0.09708461	0.92414001	0.92414001
35570224	Genotyp eRiA:Gro upDEX	0.392302 04	9.088050 23	0.0431668	0.96622456	0.96622456
35578739	Dissector Li	- 2.269193 2	0.672834 87	-3.3725855	0.00499887	0.00999774
35578739	column2	- 1.270614 9	1.476390 62	-0.8606224	0.40503939	0.67364603
35578739	column3	- 1.072064 2	1.752151 61	-0.6118558	0.55118447	0.82677671
35578739	column9	- 1.600783 8	1.611239 8	-0.9935106	0.33859458	0.65072854

35578739	column10	- 1.0910809	1.48872379	-0.7328968	0.47662955	0.53620824
35578739	column11	- 2.3816906	1.50231576	-1.5853462	0.13690282	0.30803134
35578739	column12	- 1.0785548	1.5854497	-0.6802832	0.50825997	0.60991197
35578739	GenotypeRiA	- 0.0770314	1.05371019	-0.0731049	0.94283549	0.94283549
35578739	GroupDEX	0.37440585	1.16413167	0.32161813	0.75285471	0.92414001
35578739	GenotypeRiA:GroupDEX	- 1.3241289	1.38562308	-0.9556199	0.35669815	0.96511189
35578830	DissectorLi	- 1.679393	0.62921845	-2.6690143	0.01930051	0.03474092
35578830	column2	- 0.878187	1.3806838	-0.6360522	0.5357804	0.78092698
35578830	column3	- 0.6454384	1.63856863	-0.3939038	0.70003711	0.84004454
35578830	column9	- 1.233407	1.50679141	-0.8185652	0.4277851	0.68566842
35578830	column10	- 1.0829649	1.39221748	-0.7778705	0.45057091	0.53620824
35578830	column11	- 1.6776341	1.40492835	-1.1941065	0.25377046	0.45678683
35578830	column12	- 0.3517455	1.48267314	-0.2372374	0.81617027	0.91819156
35578830	GenotypeRiA	- 0.4434632	0.98540357	-0.4500321	0.66010019	0.94283549
35578830	GroupDEX	- 0.5941157	1.08866699	-0.5457277	0.5944942	0.92414001
35578830	GenotypeRiA:GroupDEX	0.14686276	1.29580025	0.1133375	0.91149456	0.96511189
35578891	DissectorLi	- 8.9716965	2.32543279	-3.858076	0.00197703	0.0099271

35578891	column2	- 5.919978 8	5.102659 35	-1.1601752	0.26684128	0.60039288
35578891	column3	- 5.120626 6	6.055736 67	-0.8455828	0.41307897	0.72836102
35578891	column9	- 8.696947 7	5.568721 27	-1.5617495	0.14235341	0.32780228
35578891	column1 0	- 6.595261 6	5.145284 91	-1.2818069	0.22229998	0.50017495
35578891	column1 1	- 9.638152 6	5.192261 1	-1.8562534	0.08622093	0.22171096
35578891	column1 2	- 5.544283 8	5.479586 25	-1.011807	0.33009271	0.49151591
35578891	Genotyp eRiA	- 0.881173 3	3.641803 25	-0.2419607	0.81258562	0.94283549
35578891	GroupDE X	- 1.091627 8	4.023438 82	-0.2713171	0.79040773	0.92414001
35578891	Genotyp eRiA:Gro upDEX	- 2.077331 3	4.788951 15	-0.4337758	0.67156287	0.96511189
35607856	Dissector Li	3.683763 69	0.872254 97	4.22326476	0.00099548	0.0099271
35607856	column2	0.122158 41	1.913974 9	0.06382446	0.95008097	0.95008097
35607856	column3	0.928022 52	2.271468 11	0.40855626	0.68951535	0.84004454
35607856	column9	1.361923 06	2.088791 75	0.65201477	0.5257524	0.68566842
35607856	column1 0	1.575384 68	1.929963 48	0.81627694	0.42904615	0.53620824
35607856	column1 1	2.144984 3	1.947583 95	1.10135653	0.29071585	0.47571684
35607856	column1 2	- 0.122110 6	2.055357 77	-0.0594109	0.95352844	0.95352844
35607856	Genotyp eRiA	1.362994 33	1.366017 12	0.99778715	0.33659341	0.94283549
35607856	GroupDE X	0.566923 24	1.509166 18	0.37565329	0.71323301	0.92414001

35607856	Genotyp eRiA:Gro upDEX	- 0.494552 3	1.796304 96	-0.2753165	0.78740049	0.96511189
35607904	Dissector Li	0.639940 76	0.448643 54	1.42639022	0.17732777	0.21279333
35607904	column2	- 1.190476 8	0.984451 23	-1.2092796	0.24808914	0.60039288
35607904	column3	- 1.303660 9	1.168327 53	-1.1158351	0.28469426	0.71871644
35607904	column9	- 0.064670 4	1.074368 11	-0.0601939	0.9529167	0.9529167
35607904	column1 0	- 0.256647 8	0.992674 94	-0.2585416	0.8000372	0.8000372
35607904	column1 1	- 0.452994	1.001738 01	-0.452208	0.65857255	0.71216921
35607904	column1 2	- 0.867678	1.057171 38	-0.8207543	0.42658095	0.54846123
35607904	Genotyp eRiA	0.623236 27	0.702609 65	0.88703062	0.39117761	0.94283549
35607904	GroupDE X	0.506045 39	0.776238 24	0.65192021	0.52581149	0.92414001
35607904	Genotyp eRiA:Gro upDEX	0.636043 96	0.923927 8	0.68841306	0.50329306	0.96511189

Supplementary Table 16. Results of multiple linear regression models on DNA methylation for each investigated CpG in the hippocampus of the humanized *FKBP5* mouse at baseline, after four and 24 hours of dexamethasone treatment.

Baseline						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	Dissector Li	5.646666 67	1.994026 26	2.83179152	0.06609196	0.20561945
35558386	column2	- 7.256666 7	3.152832 35	-2.3016342	0.10483118	0.29343929

35558386	column3	-8.025	2.114984 24	-3.7943545	0.03212769	0.13588125
35558386	column4	- 13.89666 7	3.152832 35	-4.407677	0.02166193	0.1059758
35558386	column6	-2.08	2.442173 44	-0.8517004	0.45696896	0.69138782
35558386	column7	-11.22	2.442173 44	-4.5942683	0.01937755	0.10519212
35558386	Genotyp eRiA	NA	NA	NA	NA	NA
35558438	Dissector Li	- 1.103333 3	2.116907 25	-0.5212006	0.63825599	0.77019822
35558438	column2	9.903333 33	3.347124 25	2.9587588	0.05960338	0.19073082
35558438	column3	3.225	2.245319 21	1.43632139	0.24643756	0.48387146
35558438	column4	2.353333 33	3.347124 25	0.70309112	0.53265006	0.71800525
35558438	column6	4.58	2.592671 3	1.7665178	0.17548029	0.39307584
35558438	column7	4.98	2.592671 3	1.92079883	0.15051949	0.36648223
35558438	Genotyp eRiA	NA	NA	NA	NA	NA
35558488	Dissector Li	-2.575	0.811322 65	-3.1738298	0.05033216	0.1708243
35558488	column2	4.345	1.282813 75	3.38708562	0.0428668	0.1548736
35558488	column3	0.505	0.860537 62	0.58684244	0.59854795	0.75265269
35558488	column4	-1.685	1.282813 75	-1.3135188	0.28043169	0.50658629
35558488	column6	0.485	0.993663 26	0.48809292	0.65893331	0.77019822
35558488	column7	-0.27	0.993663 26	-0.2717218	0.8034622	0.85702635
35558488	Genotyp eRiA	NA	NA	NA	NA	NA
35558513	Dissector Li	2.353333 33	0.851516 08	2.76369806	0.06993571	0.21169728
35558513	column2	- 2.888333 3	1.346365 13	-2.1452823	0.12124656	0.30862761

35558513	column3	-0.7425	0.90316919	-0.8221051	0.47126835	0.69201927
35558513	column4	-6.2833333	1.34636513	-4.6668865	0.01857325	0.10519212
35558513	column6	-1.43	1.04288995	-1.3711897	0.26388228	0.48546846
35558513	column7	-5.395	1.04288995	-5.1731249	0.01401747	0.0872198
35558513	GenotypeRiA	NA	NA	NA	NA	NA
35558566	DissectorLi	1.57	1.03662915	1.51452426	0.22712633	0.4625118
35558566	column2	0.75	1.63905461	0.45758085	0.67835898	0.77203508
35558566	column3	0.765	1.09951126	0.69576368	0.53663198	0.71800525
35558566	column4	-1.42	1.63905461	-0.8663531	0.45003072	0.69045809
35558566	column6	1.18	1.26960624	0.92942202	0.42122728	0.67490014
35558566	column7	-0.43	1.26960624	-0.3386877	0.7571647	0.82332473
35558566	GenotypeRiA	NA	NA	NA	NA	NA
35558710	DissectorLi	6.94	1.82552884	3.8016381	0.03196898	0.13588125
35558710	column2	-7.46	2.88641454	-2.5845213	0.08145979	0.240092
35558710	column3	-3.005	1.93626574	-1.5519564	0.21847614	0.45313569
35558710	column4	-10.87	2.88641454	-3.7659178	0.03275709	0.13588125
35558710	column6	-2.06	2.23580709	-0.9213675	0.42481053	0.67490014
35558710	column7	-8.01	2.23580709	-3.5825989	0.03721774	0.14887096
35558710	GenotypeRiA	NA	NA	NA	NA	NA
35558721	DissectorLi	7.89	1.49776129	5.26786214	0.01333253	0.0872198
35558721	column2	-9.61	2.36816854	-4.0579882	0.02697117	0.12586546
35558721	column3	-0.52	1.58861575	-0.327329	0.76492981	0.82377056

35558721	column4	-10.42	2.368168 54	-4.4000247	0.02176289	0.1059758
35558721	column6	1.27	1.834375 46	0.69233373	0.53850394	0.71800525
35558721	column7	-6.32	1.834375 46	-3.4453143	0.04107658	0.15335256
35558721	Genotyp eRiA	NA	NA	NA	NA	NA
35569751	Dissector Li	- 8.823333 3	4.686809 7	-1.8825883	0.15629463	0.37244677
35569751	column2	4.573333 33	7.410496 81	0.61714261	0.58081698	0.74217941
35569751	column3	0.345	4.971112 38	0.06940097	0.94903752	0.96846375
35569751	column4	12.90333 33	7.410496 81	1.74122379	0.18001323	0.39526745
35569751	column6	-4.59	5.740146 15	-0.7996312	0.48238313	0.6926527
35569751	column7	7.86	5.740146 15	1.36930312	0.26440693	0.48546846
35569751	Genotyp eRiA	NA	NA	NA	NA	NA
35569757	Dissector Li	- 7.093333 3	4.993794 67	-1.4204295	0.25057629	0.48387146
35569757	column2	5.063333 33	7.895882 66	0.64126248	0.56697958	0.74217941
35569757	column3	0.58	5.296719 11	0.10950175	0.91971841	0.96269591
35569757	column4	10.99333 33	7.895882 66	1.39228682	0.25809064	0.48546846
35569757	column6	-3.75	6.116124 41	-0.6131334	0.58314096	0.74217941
35569757	column7	7.01	6.116124 41	1.14615066	0.33486753	0.57700251
35569757	Genotyp eRiA	NA	NA	NA	NA	NA
35569777	Dissector Li	- 8.113333 3	4.441687 2	-1.8266332	0.16522345	0.38552139
35569777	column2	5.893333 33	7.022924 1	0.83915663	0.46298291	0.69138782
35569777	column3	2.015	4.711120 71	0.42771139	0.69770584	0.78143054

35569777	column4	11.44333 33	7.022924 1	1.62942574	0.20171275	0.4262609
35569777	column6	-3.87	5.439933 62	-0.7114057	0.52816004	0.71800525
35569777	column7	7.89	5.439933 62	1.45038535	0.24283661	0.48387146
35569777	Genotyp eRiA	NA	NA	NA	NA	NA
35569896	Dissector Li	-7.36	1.612541 13	-4.5642247	0.01972352	0.10519212
35569896	column2	8.28	2.549651 39	3.24750279	0.04757947	0.16652813
35569896	column3	2.175	1.710358 15	1.27166348	0.29312553	0.52111206
35569896	column4	8.85	2.549651 39	3.47106276	0.0403153	0.15335256
35569896	column6	-1.78	1.974951 48	-0.901288	0.43386438	0.67490014
35569896	column7	6.08	1.974951 48	3.07855665	0.05419721	0.178532
35569896	Genotyp eRiA	NA	NA	NA	NA	NA
35569922	Dissector Li	-4.47	1.964756 13	-2.2750915	0.10741974	0.29343929
35569922	column2	5.35	3.106552 22	1.72216645	0.18351703	0.39526745
35569922	column3	2.41	2.083938 58	1.15646403	0.33122066	0.57700251
35569922	column4	6.78	3.106552 22	2.18248384	0.117076	0.30862761
35569922	column6	0.16	2.406325	0.06649143	0.95116976	0.96846375
35569922	column7	4.32	2.406325	1.79526872	0.17048603	0.38968235
35569922	Genotyp eRiA	NA	NA	NA	NA	NA
35570224	Dissector Li	-3.28	3.083345 95	-1.0637794	0.3654613	0.61092039
35570224	column2	2.2	4.875198	0.45126372	0.68242387	0.77203508
35570224	column3	3.05	3.270382 24	0.9326127	0.41981548	0.67490014
35570224	column4	2.37	4.875198	0.4861341	0.6601699	0.77019822
35570224	column6	-3.07	3.776312 13	-0.8129625	0.47576325	0.69201927
35570224	column7	1.75	3.776312 13	0.46341508	0.6746178	0.77203508
35570224	Genotyp eRiA	NA	NA	NA	NA	NA

35578891	Dissector Li	3.28	1.52668122	2.14845113	0.12088446	0.30862761
35578891	column2	-1.51	2.41389496	-0.625545	0.57596851	0.74217941
35578891	column3	-0.88	1.61928997	-0.5434481	0.624603	0.76874215
35578891	column4	-0.13	2.41389496	-0.0538549	0.9604365	0.96908908
35578891	column6	0.91	1.869795	0.48668437	0.65982237	0.77019822
35578891	column7	-1.31	1.869795	-0.7006116	0.53399489	0.71800525
35578891	Genotype RiA	NA	NA	NA	NA	NA
35607856	Dissector Li	1.09	1.38846838	0.78503768	0.48971926	0.69428554
35607856	column2	1.1	2.19536127	0.50105648	0.65078644	0.77019822
35607856	column3	-0.105	1.47269311	-0.071298	0.94764762	0.96846375
35607856	column4	0.08	2.19536127	0.03644047	0.97322032	0.97322032
35607856	column6	0.68	1.70051953	0.3998778	0.71601612	0.79399808
35607856	column7	0.98	1.70051953	0.57629447	0.60481019	0.75265269
35607856	Genotype RiA	NA	NA	NA	NA	NA
35607904	Dissector Li	1.40333333	0.71655555	1.95844319	0.14507245	0.36106921
35607904	column2	-0.40333333	1.1329738	-0.3559953	0.74540667	0.81848576
35607904	column3	-0.15	0.76002193	-0.1973627	0.85615897	0.9046208
35607904	column4	-2.73333333	1.1329738	-2.41253	0.09480158	0.27225069
35607904	column6	0.8	0.87759773	0.91157938	0.42920238	0.67490014
35607904	column7	-0.95	0.87759773	-1.0825005	0.35827526	0.60798226
35607904	Genotype RiA	NA	NA	NA	NA	NA
4 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value

35558386	Dissector Li	4.75584774	2.81295351	1.69069547	0.12936094	0.80475861
35558386	column2	-2.2566733	3.94684267	-0.5717667	0.58318388	0.82853972
35558386	column3	0.14524915	5.09283162	0.02852031	0.97794581	0.99115085
35558386	column4	-1.2574218	4.42246573	-0.284326	0.78338128	0.98622825
35558386	column5	-2.6893535	4.15599686	-0.6471019	0.53568804	0.75095812
35558386	column6	-1.0538875	3.73964941	-0.2818145	0.78523844	0.78523844
35558386	column7	-3.4185323	4.3972122	-0.7774317	0.45927429	0.56526067
35558386	column8	3.9770449	6.00710372	0.66205697	0.52654219	0.561645
35558386	Genotyp eRiA	4.37804064	4.09204058	1.06989179	0.31588294	0.64056946
35558386	GroupDEX	4.68555086	3.21078299	1.45931721	0.18259798	0.32461863
35558386	Genotyp eRiA:GroupDEX	-1.2238356	4.86133927	-0.2517486	0.8075819	0.98333491
35558438	Dissector Li	1.29437657	1.89544637	0.68288746	0.51396349	0.88479037
35558438	column2	7.28804636	2.65949245	2.74038994	0.0254339	0.40694236
35558438	column3	6.7566715	3.4316917	1.96890399	0.08448675	0.24067283
35558438	column4	5.59215068	2.97998051	1.8765729	0.09741762	0.75300934
35558438	column5	6.03812376	2.80042637	2.15614445	0.06316772	0.25750998
35558438	column6	5.54256058	2.51987987	2.19953366	0.05903682	0.15895327
35558438	column7	5.80217619	2.96296398	1.95823379	0.08589225	0.41540839
35558438	column8	6.04978669	4.0477537	1.49460346	0.17337641	0.27740226
35558438	Genotyp eRiA	1.87976778	2.75733084	0.68173458	0.51465476	0.70913213

35558438	GroupDE X	0.116462 59	2.163514 95	0.05383027	0.95839038	0.95839038
35558438	Genotyp eRiA:Gro upDEX	- 0.441848 5	3.275705 72	-0.1348865	0.89603359	0.98333491
35558488	Dissector Li	0.233339 49	1.518995 79	0.15361431	0.8817181	0.94721008
35558488	column2	4.106854 69	2.131296 3	1.92692808	0.09014696	0.48078381
35558488	column3	2.152065 8	2.750130 69	0.78253219	0.45643787	0.56176968
35558488	column4	4.201521 97	2.388132 9	1.75933339	0.11656506	0.75300934
35558488	column5	4.811574 09	2.244239 63	2.14396628	0.0643775	0.25750998
35558488	column6	2.294126 97	2.019411 87	1.13603718	0.28882537	0.33008614
35558488	column7	3.374838 59	2.374495 99	1.42128629	0.19302054	0.41540839
35558488	column8	3.460886 88	3.243837 92	1.06691116	0.3171478	0.42286374
35558488	Genotyp eRiA	0.865841 8	2.209703 21	0.39183624	0.70541039	0.8681974
35558488	GroupDE X	0.336800 37	1.733823 83	0.19425294	0.85081988	0.94015737
35558488	Genotyp eRiA:Gro upDEX	- 1.380685 4	2.625124 75	-0.5259504	0.61318646	0.98333491
35558513	Dissector Li	1.673848 79	1.053894 67	1.58825056	0.15089224	0.80475861
35558513	column2	3.073835 16	1.478714 97	2.07872053	0.07125676	0.48078381
35558513	column3	3.077936 62	1.908068 54	1.61311638	0.14538373	0.25845996
35558513	column4	2.604553 37	1.656910 8	1.57193336	0.15460951	0.75300934
35558513	column5	3.352487 8	1.557076 19	2.15306599	0.0634714	0.25750998
35558513	column6	2.105486 65	1.401088 42	1.50275074	0.17130713	0.21083954
35558513	column7	2.907916 17	1.647449 37	1.76510199	0.11554536	0.41540839
35558513	column8	4.800673 13	2.250607 62	2.13305647	0.06548061	0.13585088
35558513	Genotyp eRiA	0.024042 09	1.533114 48	0.01568186	0.98787224	0.98787224

35558513	GroupDE X	1.046430 93	1.202944 54	0.86989125	0.40970024	0.58495239
35558513	Genotyp eRiA:Gro upDEX	0.134761 18	1.821338 15	0.0739902	0.94283479	0.98333491
35558566	Dissector Li	1.012551 13	0.790423 4	1.28102373	0.23607021	0.88479037
35558566	column2	1.200460 04	1.109039 59	1.08243209	0.31060472	0.82827926
35558566	column3	1.130070 15	1.431055 74	0.78967584	0.45248504	0.56176968
35558566	column4	1.787548 49	1.242686 87	1.43845447	0.18825234	0.75300934
35558566	column5	2.873249 11	1.167810 69	2.46037234	0.03929594	0.25750998
35558566	column6	2.151976 95	1.050819 5	2.04790352	0.07475109	0.15895327
35558566	column7	1.564433 52	1.235590 78	1.26614212	0.24108513	0.41540839
35558566	column8	4.097513 08	1.687960 83	2.42749299	0.0413637	0.12986784
35558566	Genotyp eRiA	0.986632 8	1.149839 35	0.85806144	0.41582432	0.66531892
35558566	GroupDE X	1.083253 07	0.902211 14	1.2006647	0.2642231	0.42275697
35558566	Genotyp eRiA:Gro upDEX	- 1.549530 9	1.366007 76	-1.13435	0.28949167	0.98333491
35558710	Dissector Li	0.024918 85	1.416971 89	0.01758599	0.98639982	0.98639982
35558710	column2	- 0.324085	1.988147 02	-0.1630086	0.87455419	0.90566479
35558710	column3	- 4.459724 2	2.565417 18	-1.7384012	0.12033642	0.24067283
35558710	column4	- 1.705593 1	2.227733 1	-0.7656182	0.46588919	0.98622825
35558710	column5	- 1.189672 8	2.093504 47	-0.5682686	0.58544559	0.75095812
35558710	column6	- 3.203137 6	1.883777 35	-1.7003802	0.1274795	0.21083954
35558710	column7	-2.92323	2.215012 11	-1.3197354	0.22343689	0.41540839

35558710	column8	- 3.785795	3.025964 39	-1.2511036	0.24624369	0.35817265
35558710	Genotyp eRiA	1.346763 43	2.061287 71	0.65336024	0.5318491	0.70913213
35558710	GroupDE X	1.131095 13	1.617370 94	0.69934182	0.5041607	0.62050548
35558710	Genotyp eRiA:Gro upDEX	- 2.379002 5	2.448807 31	-0.9714944	0.35975502	0.98333491
35558721	Dissector Li	0.212632 27	1.462628 28	0.14537684	0.88800945	0.94721008
35558721	column2	1.427878 35	2.052207 3	0.69577686	0.5062745	0.82853972
35558721	column3	- 3.791872 3	2.648077 73	-1.4319339	0.19005098	0.30408157
35558721	column4	- 1.586858 4	2.299513 11	-0.6900845	0.50966123	0.98622825
35558721	column5	- 0.432078 1	2.160959 48	-0.1999473	0.84651081	0.84651081
35558721	column6	- 3.078218 8	1.944474 72	-1.5830593	0.15206598	0.21083954
35558721	column7	- 2.774003 2	2.286382 23	-1.2132718	0.25963024	0.41540839
35558721	column8	- 1.798358 6	3.123464 28	-0.5757577	0.5806095	0.5806095
35558721	Genotyp eRiA	0.099869 38	2.127704 66	0.04693761	0.96371353	0.98787224
35558721	GroupDE X	0.257157 94	1.669484 4	0.15403435	0.88139753	0.94015737
35558721	Genotyp eRiA:Gro upDEX	0.054471 57	2.527710 57	0.02154976	0.98333491	0.98333491
35569751	Dissector Li	- 0.335898 9	1.626860 99	-0.2064706	0.84158132	0.94721008
35569751	column2	- 1.012149 1	1.970652 91	-0.513611	0.62140479	0.82853972
35569751	column3	4.690556 35	2.673048 23	1.75475934	0.1173796	0.24067283

35569751	column4	- 0.507585 4	2.270215 34	-0.2235847	0.82868428	0.98622825
35569751	column5	1.134647 91	2.138721 46	0.53052627	0.61015347	0.75095812
35569751	column6	4.683417 58	1.973209 44	2.37350253	0.04499973	0.15895327
35569751	column7	1.873231 6	2.292314	0.81717932	0.43748341	0.56526067
35569751	column8	8.441190 59	3.385340 48	2.49345395	0.0373208	0.12986784
35569751	Genotyp eRiA	2.883710 06	2.068829 21	1.39388503	0.20085036	0.64056946
35569751	GroupDE X	5.727558 42	1.799029 6	3.18369327	0.01292544	0.0413614
35569751	Genotyp eRiA:Gro upDEX	-0.46701	2.484056 69	-0.188003	0.8555555	0.98333491
35569757	Dissector Li	0.443257 03	1.434309 58	0.30903861	0.76518736	0.94721008
35569757	column2	-0.90842	1.737411 1	-0.5228584	0.61524044	0.82853972
35569757	column3	5.148930 22	2.356672 57	2.18483054	0.06040587	0.24067283
35569757	column4	0.792223 81	2.001518 03	0.39581148	0.70259045	0.98622825
35569757	column5	1.395024 64	1.885587 45	0.73983555	0.48054449	0.75095812
35569757	column6	4.354380 86	1.739665 04	2.50299958	0.03676978	0.15895327
35569757	column7	3.268043 24	2.021001 15	1.61704175	0.14453112	0.41540839
35569757	column8	8.071910 67	2.984659 6	2.70446609	0.02688746	0.12986784
35569757	Genotyp eRiA	2.642923 22	1.823967 49	1.4489969	0.18537602	0.64056946
35569757	GroupDE X	5.523037 67	1.586100 72	3.48214815	0.00829343	0.0413614
35569757	Genotyp eRiA:Gro upDEX	- 1.024520 7	2.190049 63	-0.4678071	0.65240194	0.98333491
35569777	Dissector Li	0.955059 61	1.542364 88	0.61921768	0.55299398	0.88479037
35569777	column2	- 1.211581 6	1.868300 89	-0.6484938	0.53483277	0.82853972

35569777	column3	5.732120 49	2.534215 11	2.26189184	0.05356398	0.24067283
35569777	column4	0.510936 26	2.152304 61	0.23739031	0.81832046	0.98622825
35569777	column5	1.495067 56	2.027640 27	0.73734359	0.48197677	0.75095812
35569777	column6	4.239216 34	1.870724 64	2.26608249	0.05321481	0.15895327
35569777	column7	3.129688 44	2.173255 51	1.44009226	0.18780293	0.41540839
35569777	column8	9.720937 85	3.209512 24	3.02878978	0.01633947	0.12986784
35569777	Genotyp eRiA	2.005112 06	1.961378 1	1.02229757	0.33655628	0.64056946
35569777	GroupDE X	5.492522 65	1.705591 37	3.22030396	0.01223361	0.0413614
35569777	Genotyp eRiA:Gro upDEX	- 0.752718 2	2.355039 44	-0.3196202	0.7574434	0.98333491
35569896	Dissector Li	1.109160 71	1.073804 04	1.03292655	0.33185096	0.88479037
35569896	column2	- 0.843730 7	1.300722 72	-0.648663	0.53472887	0.82853972
35569896	column3	4.746010 17	1.764336 35	2.68996904	0.02749795	0.24067283
35569896	column4	0.026684 15	1.498447 88	0.01780786	0.98622825	0.98622825
35569896	column5	1.946382 13	1.411655 79	1.37879371	0.20527987	0.54741297
35569896	column6	3.612633 92	1.302410 15	2.77380664	0.02415433	0.15895327
35569896	column7	2.626253 38	1.513034 03	1.73575302	0.12082158	0.41540839
35569896	column8	7.935461 77	2.234482 42	3.5513646	0.0074945	0.11991207
35569896	Genotyp eRiA	3.148822 13	1.365523 65	2.30594477	0.05000463	0.64056946
35569896	GroupDE X	4.670081 07	1.187443 34	3.9328875	0.00433904	0.0413614
35569896	Genotyp eRiA:Gro upDEX	- 1.979728 2	1.639593 13	-1.2074509	0.26174259	0.98333491
35569922	Dissector Li	0.576127 8	0.916433 74	0.6286628	0.54709539	0.88479037

35569922	column2	- 1.619257 7	1.110096 58	-1.4586638	0.18277277	0.58487287
35569922	column3	2.849319 66	1.505765 77	1.89227284	0.09509265	0.24067283
35569922	column4	- 0.645752 7	1.278844 32	-0.5049502	0.6272072	0.98622825
35569922	column5	0.446944 84	1.204771 96	0.37097879	0.72028478	0.82318261
35569922	column6	2.410106 5	1.111536 71	2.16826533	0.06198587	0.15895327
35569922	column7	0.269305 36	1.291292 81	0.20855483	0.84000782	0.89600834
35569922	column8	4.429744 08	1.907010 04	2.32287402	0.04870044	0.12986784
35569922	Genotyp eRiA	1.877520 27	1.165400 67	1.6110513	0.14583412	0.64056946
35569922	GroupDE X	3.283328 56	1.013418 75	3.23985379	0.01188023	0.0413614
35569922	Genotyp eRiA:Gro upDEX	- 0.749427 8	1.399304 17	-0.5355717	0.60681848	0.98333491
35570224	Dissector Li	3.033853 12	1.364858 08	2.22283412	0.05692986	0.80475861
35570224	column2	- 2.540902 9	1.653282 96	-1.5368832	0.16287633	0.58487287
35570224	column3	4.900135 11	2.242558 83	2.18506424	0.06038386	0.24067283
35570224	column4	1.688253 06	1.904601 43	0.88640754	0.40125782	0.98622825
35570224	column5	3.499033 54	1.794284 39	1.95009975	0.08697878	0.27833208
35570224	column6	2.523210 94	1.655427 76	1.5242048	0.16596343	0.21083954
35570224	column7	3.494927 67	1.923141 14	1.81730171	0.10669188	0.41540839
35570224	column8	5.991289 14	2.840137 75	2.10950653	0.06792544	0.13585088
35570224	Genotyp eRiA	- 1.685956 1	1.735648 15	-0.9713698	0.35981337	0.64056946
35570224	GroupDE X	2.528264 19	1.509299 26	1.67512451	0.13243993	0.287061

35570224	Genotyp eRiA:Gro upDEX	1.088297 57	2.084004 03	0.52221471	0.61566847	0.98333491
35578891	Dissector Li	0.208097 28	0.808682 83	0.25732868	0.80342016	0.94721008
35578891	column2	0.119818 79	0.979575 5	0.12231705	0.90566479	0.90566479
35578891	column3	- 1.060219 4	1.328723 36	-0.7979233	0.44795028	0.56176968
35578891	column4	- 0.119752	1.128482 5	-0.1061178	0.91810162	0.98622825
35578891	column5	- 0.999489 7	1.063119 3	-0.9401483	0.37465741	0.75095812
35578891	column6	- 1.969918 9	0.980846 3	-2.008387	0.07947663	0.15895327
35578891	column7	- 0.348588 5	1.139467 34	-0.3059223	0.7674734	0.87711245
35578891	column8	- 2.775269 4	1.682790 8	-1.6492064	0.13771546	0.24482749
35578891	Genotyp eRiA	- 1.203977 1	1.028377 14	-1.1707544	0.27538749	0.64056946
35578891	GroupDE X	- 1.546123	0.894264 69	-1.7289322	0.12207963	0.287061
35578891	Genotyp eRiA:Gro upDEX	0.434763 95	1.234779 12	0.35209856	0.73385951	0.98333491
35607856	Dissector Li	- 0.604248 6	0.887089 19	-0.6811588	0.51291407	0.88479037
35607856	column2	0.381011 83	1.189653 21	0.32027134	0.75607333	0.90566479
35607856	column3	0.018572 53	1.628770 64	0.01140279	0.99115085	0.99115085
35607856	column4	0.084917 79	1.418066 62	0.0598828	0.95355761	0.98622825
35607856	column5	- 0.891903	1.332776 51	-0.6692068	0.52015921	0.75095812
35607856	column6	- 1.288841 4	1.230204 41	-1.0476645	0.32211234	0.34358649

35607856	column7	0.06979026	1.42846233	0.04885691	0.96210038	0.96210038
35607856	column8	-1.4698909	1.97761543	-0.7432643	0.4762751	0.5443144
35607856	GenotypeRiA	0.19539874	1.2674196	0.15417052	0.88087706	0.98787224
35607856	GroupDEX	-0.8123256	1.00260595	-0.8102142	0.43871429	0.58495239
35607856	GenotypeRiA:GroupDEX	-0.0958612	1.5509119	-0.0618096	0.95206534	0.98333491
35607904	DissectorLi	0.607941	0.67682457	0.89822536	0.39246116	0.88479037
35607904	column2	0.16182852	0.90767258	0.17828953	0.86244422	0.90566479
35607904	column3	0.59757222	1.24270706	0.4808633	0.64208775	0.73381457
35607904	column4	0.84184081	1.08194571	0.77808046	0.45648842	0.98622825
35607904	column5	-0.2104702	1.0168717	-0.2069781	0.84063402	0.84651081
35607904	column6	-1.4227658	0.93861202	-1.5158189	0.16387009	0.21083954
35607904	column7	1.06394899	1.08987734	0.97620984	0.35446839	0.51559038
35607904	column8	-1.1913215	1.50886601	-0.7895475	0.45009162	0.5443144
35607904	GenotypeRiA	-0.9320129	0.96700619	-0.9638128	0.36032032	0.64056946
35607904	GroupDEX	-1.2257744	0.76496067	-1.6024019	0.1435305	0.287061
35607904	GenotypeRiA:GroupDEX	0.4150799	1.18330299	0.35078074	0.73382358	0.98333491
24 Hours						
CpG	term	estimate	std.error	statistic	p.value	q.value
35558386	DissectorLi	2.07318711	1.21510542	1.70617881	0.1136977	0.18191632

35558386	column2	2.71844168	2.10547533	1.29112968	0.22097705	0.8586917
35558386	column3	-1.3831059	2.02680755	-0.6824061	0.50794138	0.98613518
35558386	column4	-3.5365073	1.9143471	-1.8473699	0.0894834	0.71586717
35558386	column5	-3.1115842	2.1640936	-1.4378233	0.17604719	0.35209437
35558386	column6	0.41159356	1.67317416	0.24599565	0.80984284	0.81223671
35558386	column7	1.28793902	2.51817325	0.51145767	0.61831085	0.99510151
35558386	column8	-0.6120085	2.97028983	-0.2060434	0.84021134	0.94105105
35558386	GenotypeRiA	-4.0355904	2.17551125	-1.8550078	0.08831727	0.64679873
35558386	GroupDEX	-0.7085603	1.72532068	-0.4106833	0.68854314	0.98647054
35558386	GenotypeRiA:GroupDEX	4.07350784	2.57871247	1.57966733	0.14016754	0.32038294
35558438	DissectorLi	-0.2545146	0.91157803	-0.2792022	0.78484333	0.78508226
35558438	column2	-1.2174293	1.5795379	-0.7707503	0.45576277	0.8586917
35558438	column3	-3.0276199	1.52052094	-1.9911728	0.06972589	0.98613518
35558438	column4	-4.4935824	1.43615257	-3.1289033	0.00870958	0.13935332
35558438	column5	-5.3473024	1.62351361	-3.2936604	0.00641566	0.10265053
35558438	column6	-3.6997573	1.25522344	-2.947489	0.01220101	0.19521624
35558438	column7	0.21649342	1.8891459	0.11459857	0.91065848	0.99510151

35558438	column8	- 3.300361 2	2.228325 97	-1.4810944	0.16435515	0.86477326
35558438	Genotyp eRiA	- 4.710786	1.632079 19	-2.886371	0.01366793	0.21868695
35558438	GroupDE X	- 0.524697 3	1.294344 02	-0.405377	0.69233453	0.98647054
35558438	Genotyp eRiA:Gro upDEX	4.216551 85	1.934562 72	2.17958912	0.04993055	0.19972219
35558488	Dissector Li	- 0.779909 4	1.431396 89	-0.5448589	0.59583163	0.68095043
35558488	column2	1.632363 19	2.480254 64	0.65814339	0.52287209	0.8586917
35558488	column3	- 0.473005 7	2.387583 81	-0.1981106	0.84627499	0.98646664
35558488	column4	1.486847 94	2.255105 16	0.65932532	0.52213889	0.99655376
35558488	column5	0.339420 21	2.549307 09	0.13314215	0.89628763	0.93691101
35558488	column6	2.957545 3	1.971002 89	1.50052814	0.15932249	0.71821239
35558488	column7	0.107928 77	2.966413 71	0.03638359	0.97157474	0.99510151
35558488	column8	4.185215 91	3.499008 05	1.19611497	0.25475139	0.86477326
35558488	Genotyp eRiA	- 0.197880 1	2.562757 11	-0.0772137	0.939726	0.939726
35558488	GroupDE X	0.035189 85	2.032431 61	0.01731416	0.98647054	0.98647054
35558488	Genotyp eRiA:Gro upDEX	- 1.279977	3.037729 05	-0.4213598	0.68094148	0.70415917
35558513	Dissector Li	- 0.415691 8	1.490557 99	-0.2788833	0.78508226	0.78508226
35558513	column2	0.933018 75	2.582766 09	0.36124787	0.72419431	0.89131608
35558513	column3	- 2.200950 4	2.486265 09	-0.8852437	0.3934183	0.98613518

35558513	column4	- 1.192432 3	2.348310 96	-0.507783	0.62080936	0.99655376
35558513	column5	- 0.948460 3	2.654672 55	-0.3572796	0.72708703	0.86102361
35558513	column6	0.498404 11	2.052466 46	0.24283179	0.81223671	0.81223671
35558513	column7	0.558779 93	3.089018 61	0.18089238	0.85947125	0.99510151
35558513	column8	1.048897 15	3.643625 62	0.28787182	0.77835621	0.94105105
35558513	Genotyp eRiA	- 0.657653 9	2.668678 48	-0.2464343	0.8095111	0.90739683
35558513	GroupDE X	0.277598 16	2.116434 09	0.13116315	0.89781957	0.98647054
35558513	Genotyp eRiA:Gro upDEX	- 1.230215 4	3.163281 49	-0.3889048	0.70415917	0.70415917
35558566	Dissector Li	0.832536 32	1.419449 84	0.58652042	0.56839539	0.68095043
35558566	column2	0.523124 73	2.459553 37	0.21269095	0.83513824	0.95444371
35558566	column3	- 0.211130 3	2.367656 01	-0.0891727	0.93041566	0.98646664
35558566	column4	- 0.519056	2.236283 09	-0.2321066	0.82036637	0.99655376
35558566	column5	0.204336 08	2.528029 48	0.0808282	0.93691101	0.93691101
35558566	column6	0.741268 16	1.954552 06	0.37925219	0.71112632	0.81223671
35558566	column7	0.354770 06	2.941654 75	0.12060221	0.90600192	0.99510151
35558566	column8	2.549605 39	3.469803 83	0.73479814	0.47657732	0.94105105
35558566	Genotyp eRiA	- 0.488832 9	2.541367 24	-0.1923503	0.85068453	0.90739683
35558566	GroupDE X	0.865552 28	2.015468 07	0.42945472	0.67520218	0.98647054
35558566	Genotyp eRiA:Gro upDEX	- 1.930387 6	3.012374 86	-0.6408192	0.53368707	0.70415917

35558710	Dissector Li	2.16624191	1.51523345	1.42964235	0.17833472	0.25939596
35558710	column2	-1.1508137	2.62552253	-0.438318	0.66894251	0.89131608
35558710	column3	0.04377283	2.527424	0.01731915	0.98646664	0.98646664
35558710	column4	-0.1524195	2.38718611	-0.063849	0.95014173	0.99655376
35558710	column5	-1.6707741	2.69861937	-0.6191218	0.54741031	0.79623317
35558710	column6	1.15812095	2.08644404	0.55506926	0.58904473	0.78539297
35558710	column7	1.38203761	3.14015582	0.44011753	0.66767471	0.99510151
35558710	column8	1.41348519	3.70394408	0.38161623	0.70941743	0.94105105
35558710	GenotypeRiA	-3.0684036	2.71285716	-1.1310598	0.28012845	0.75204263
35558710	GroupDEX	-0.3935884	2.15147063	-0.1829392	0.85790011	0.98647054
35558710	GenotypeRiA:GroupDEX	2.9071408	3.21564808	0.90406062	0.38375387	0.55818745
35558721	Dissector Li	2.44983748	1.37631223	1.78000125	0.10038891	0.17846917
35558721	column2	-0.2280681	2.38480662	-0.0956338	0.92538992	0.96731394
35558721	column3	0.27473644	2.29570206	0.11967426	0.90672142	0.98646664
35558721	column4	0.00956242	2.1683216	0.00441006	0.99655376	0.99655376
35558721	column5	-1.6511624	2.45120171	-0.6736135	0.51332286	0.79623317
35558721	column6	1.74991874	1.89515249	0.92336567	0.37401056	0.71821239
35558721	column7	2.10476665	2.85225675	0.73793029	0.47474084	0.99510151
35558721	column8	3.65451352	3.36435518	1.08624486	0.29870942	0.86477326

35558721	Genotyp eRiA	- 2.371262 8	2.464134 14	-0.9623107	0.35488467	0.75204263
35558721	GroupDE X	- 1.896531	1.954217 23	-0.9704812	0.35096204	0.92436616
35558721	Genotyp eRiA:Gro upDEX	3.596784 12	2.920827 65	1.23142635	0.24175146	0.39879274
35569751	Dissector Li	- 5.447490 3	1.502974 8	-3.6244721	0.00348587	0.01544397
35569751	column2	1.036726 41	2.604281 34	0.39808541	0.6975586	0.89131608
35569751	column3	1.972222 6	2.506976 45	0.78669371	0.4467197	0.98613518
35569751	column4	0.500153 35	2.367873 13	0.21122473	0.83625653	0.99655376
35569751	column5	5.179178 95	2.676786 81	1.93484925	0.07693028	0.17584065
35569751	column6	2.133754 85	2.069564 14	1.03101654	0.32286612	0.71821239
35569751	column7	2.628304 87	3.114751 1	0.84382501	0.41527216	0.99510151
35569751	column8	- 0.277432 2	3.673978 16	-0.0755128	0.94105105	0.94105105
35569751	Genotyp eRiA	1.543084 28	2.690909 4	0.57344342	0.5769336	0.90739683
35569751	GroupDE X	1.844306 05	2.134064 64	0.86422221	0.40441019	0.92436616
35569751	Genotyp eRiA:Gro upDEX	- 4.573569	3.189632 61	-1.4338858	0.17714508	0.35429015
35569757	Dissector Li	- 6.040930 5	1.280882 19	-4.7162265	0.0005002	0.00800318
35569757	column2	1.734103 44	2.219450 1	0.78132121	0.44975403	0.8586917
35569757	column3	1.409320 62	2.136523 83	0.65963253	0.52194842	0.98613518
35569757	column4	- 0.611874 9	2.017975 62	-0.3032122	0.76692051	0.99655376
35569757	column5	4.763930 5	2.281241 53	2.08830605	0.05875154	0.17584065

35569757	column6	1.907034 73	1.763747 36	1.0812403	0.30084086	0.71821239
35569757	column7	0.785953 73	2.654488 42	0.29608482	0.77222679	0.99510151
35569757	column8	- 0.394876 1	3.131079 23	-0.126115	0.90172926	0.94105105
35569757	Genotyp eRiA	1.105291 96	2.293277 25	0.48197049	0.63849789	0.90739683
35569757	GroupDE X	1.936145 55	1.818716 71	1.06456687	0.30802458	0.92436616
35569757	Genotyp eRiA:Gro upDEX	- 4.540315 7	2.718304 78	-1.6702747	0.12072066	0.32038294
35569777	Dissector Li	- 5.912834 7	1.575183 37	-3.7537438	0.00275212	0.01544397
35569777	column2	1.848387 39	2.729400 82	0.67721361	0.51111537	0.8586917
35569777	column3	0.953500 29	2.627421 04	0.3629035	0.72298874	0.98613518
35569777	column4	0.182721 49	2.481634 67	0.07362949	0.94251831	0.99655376
35569777	column5	3.707246 15	2.805389 72	1.32147278	0.21098516	0.37508473
35569777	column6	1.738582 63	2.168993 8	0.80156182	0.43839111	0.71821239
35569777	column7	- 0.412521 6	3.264395 48	-0.12637	0.90153174	0.99510151
35569777	column8	1.212709 26	3.850489 91	0.31494934	0.75820932	0.94105105
35569777	Genotyp eRiA	1.159390 19	2.820190 83	0.41110345	0.68824329	0.90739683
35569777	GroupDE X	1.322631 96	2.236593 15	0.5913601	0.56525284	0.98647054
35569777	Genotyp eRiA:Gro upDEX	- 4.047862 8	3.342874 57	-1.2108928	0.24924546	0.39879274
35569896	Dissector Li	- 3.515951 4	0.985195 29	-3.5687862	0.00386099	0.01544397
35569896	column2	1.085811 52	1.707098 29	0.63605683	0.53668231	0.8586917
35569896	column3	1.227185 03	1.643315 24	0.74677396	0.46957924	0.98613518

35569896	column4	1.149971 59	1.552133 44	0.74089738	0.47300519	0.99655376
35569896	column5	3.495462 75	1.754625 39	1.99214189	0.06960758	0.17584065
35569896	column6	1.062024 31	1.356592 83	0.7828615	0.44888274	0.71821239
35569896	column7	0.091122 9	2.041709 62	0.04463068	0.96513577	0.99510151
35569896	column8	1.363357 9	2.408281 21	0.56611242	0.58174985	0.94105105
35569896	Genotyp eRiA	1.627740 54	1.763882 71	0.92281677	0.37428519	0.75204263
35569896	GroupDE X	2.068006 62	1.398872 71	1.47833795	0.16507982	0.88042569
35569896	Genotyp eRiA:Gro upDEX	- 3.970241 6	2.090794 22	-1.8989155	0.08187776	0.26200884
35569922	Dissector Li	- 2.657857	0.771844 49	-3.4435136	0.00486284	0.01556108
35569922	column2	1.180256 36	1.337414 45	0.88249111	0.39484586	0.8586917
35569922	column3	1.598674 31	1.287444 06	1.24174274	0.23805442	0.98613518
35569922	column4	0.501721 2	1.216008 3	0.41259685	0.68717803	0.99655376
35569922	column5	3.523668 56	1.374649 24	2.56332195	0.02484915	0.1485624
35569922	column6	1.006071 48	1.062813 36	0.94661163	0.36250929	0.71821239
35569922	column7	0.409426 51	1.599563 41	0.25596141	0.80231566	0.99510151
35569922	column8	1.939312 89	1.886751 41	1.02785819	0.32428997	0.86477326
35569922	Genotyp eRiA	1.270455 92	1.381901 82	0.91935324	0.37602131	0.75204263
35569922	GroupDE X	2.484966 2	1.095937 24	2.26743478	0.04263499	0.36343364
35569922	Genotyp eRiA:Gro upDEX	- 4.474852 6	1.638018 4	-2.7318696	0.01820337	0.1917606
35570224	Dissector Li	- 4.208938 6	1.365861 2	-3.0815273	0.00951089	0.02536236
35570224	column2	2.381254 49	2.366697 59	1.00615072	0.33420107	0.8586917

35570224	column3	1.165504 46	2.278269 65	0.51157441	0.61823156	0.98613518
35570224	column4	1.600933 05	2.151856 46	0.74397762	0.47120753	0.99655376
35570224	column5	5.701065 37	2.432588 52	2.34362093	0.0371406	0.1485624
35570224	column6	3.775530 71	1.880761 65	2.00744773	0.06776336	0.54210686
35570224	column7	0.457165 61	2.830598 15	0.16150848	0.87438031	0.99510151
35570224	column8	5.173243 56	3.338807 96	1.54942831	0.14723817	0.86477326
35570224	Genotyp eRiA	3.530547 96	2.445422 74	1.44373728	0.17440895	0.69763581
35570224	GroupDE X	2.390795 34	1.939377 89	1.23276405	0.24126951	0.92436616
35570224	Genotyp eRiA:Gro upDEX	- 7.486873 3	- 2.898648 35	-2.5828843	0.02397008	0.1917606
35578891	Dissector Li	0.859188 84	0.452160 71	1.90018466	0.08169817	0.16339635
35578891	column2	- 1.299251 4	- 0.783481 99	-1.6583041	0.1231459	0.8586917
35578891	column3	- 0.397377 4	- 0.754208 42	-0.5268801	0.60787935	0.98613518
35578891	column4	- 0.845591 1	- 0.712360 04	-1.1870277	0.25818425	0.99655376
35578891	column5	- 1.991952 4	- 0.805294 82	-2.4735691	0.0293013	0.1485624
35578891	column6	0.559594 42	0.622615 62	0.89877992	0.38644937	0.71821239
35578891	column7	- 1.471695 7	- 0.937053 68	-1.5705564	0.14226627	0.99510151
35578891	column8	- 1.429552	- 1.105293 69	-1.2933685	0.22022695	0.86477326
35578891	Genotyp eRiA	- 1.349931	- 0.809543 51	-1.6675212	0.12127476	0.64679873
35578891	GroupDE X	- 1.433128 1	- 0.642020 2	-2.2322166	0.0454292	0.36343364

35578891	Genotyp eRiA:Gro upDEX	2.235984 47	0.959581 32	2.33016674	0.0380589	0.19972219
35607856	Dissector Li	- 0.534812 3	0.598314 23	-0.8938653	0.38896971	0.51862628
35607856	column2	0.043377 32	1.036729 68	0.04184053	0.96731394	0.96731394
35607856	column3	- 0.847029 7	0.997993 9	-0.8487323	0.41264124	0.98613518
35607856	column4	0.249631 45	0.942618 72	0.2648276	0.79563634	0.99655376
35607856	column5	- 0.342540 3	1.065593 14	-0.321455	0.75339566	0.86102361
35607856	column6	- 0.477406 2	0.823865 89	-0.5794707	0.57298979	0.78539297
35607856	column7	- 0.007772 5	1.239940 88	-0.0062685	0.99510151	0.99510151
35607856	column8	- 0.230356 3	1.462561 72	-0.1575019	0.87746842	0.94105105
35607856	Genotyp eRiA	- 0.527037 3	1.071215 15	-0.4919994	0.63159689	0.90739683
35607856	GroupDE X	- 0.216749 6	0.849542 68	-0.2551368	0.80293771	0.98647054
35607856	Genotyp eRiA:Gro upDEX	0.634333 38	1.269750 21	0.49957336	0.62640909	0.70415917
35607904	Dissector Li	0.944308 93	0.489747 89	1.92815312	0.07783091	0.16339635
35607904	column2	0.815438 3	0.848611 24	0.96090915	0.35556071	0.8586917
35607904	column3	0.277894 79	0.816904 21	0.34018039	0.73960139	0.98613518
35607904	column4	1.141491 08	0.771577 06	1.4794259	0.16479348	0.87889854
35607904	column5	0.431594 64	0.872237 31	0.49481331	0.6296671	0.83955613
35607904	column6	0.277154 47	0.674372 37	0.41098135	0.68833042	0.81223671

35607904	column7	1.537890 48	1.014949 02	1.51523915	0.15560082	0.99510151
35607904	column8	- 1.017787 6	1.197174 48	-0.8501582	0.41187893	0.94105105
35607904	Genotyp eRiA	0.253037 54	0.876839 2	0.28857918	0.77782768	0.90739683
35607904	GroupDE X	0.012361 57	0.695390 01	0.01777646	0.98610933	0.98647054
35607904	Genotyp eRiA:Gro upDEX	0.443316 55	1.039349 33	0.42653277	0.67727141	0.70415917

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