



Genome-wide DNA Methylation Profiles of Small Intestine and Liver in Fast-growing and Slow-growing Weaning Piglets

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- Supplementary Data -

Supplementary Table 1. Summary of raw data used in this analysis.

Sample Name	Read Length	Total Base	Read Count	GC(%)	Trimmed Read
Intestin_High1	51	2,235,709,134	43,837,434	59	799,359
Intestin_High2	51	3,511,527,276	68,853,476	58	1,101,409
Intestin_High3	51	2,971,440,591	58,263,541	57	928,441
Intestin_low1	51	1,205,962,320	23,646,320	59	459,145
Intestin_low2	51	2,599,680,018	50,974,118	60	1,175,982
Intestin_low3	51	2,417,069,673	47,393,523	59	990,352
Liver_High1	51	1,783,584,903	34,972,253	55	596,041
Liver_High2	51	1,202,022,009	23,569,059	57	438,977
Liver_High3	51	28,74,248,922	56,357,822	58	1,131,306
Liver_low1	51	1,052,455,380	20,636,380	57	619,610
Liver_low2	51	2,315,096,856	45,394,056	56	900,427
Liver_low3	51	2,067,181,674	40,532,974	58	892,186

Supplementary Table 2. Summary of Enrichment score of each sample using MEDIPs.

Intestine	Intestine_High1	Intestine_High2	Intestine_High3	Intestine_low1	Intestine_low2	Intestine_low3
Enrichment Score (relH)	4.51	4.33	4.49	4.65	4.58	4.53
Enrichment Score (GoGe)	2.43	2.30	2.40	2.47	2.44	2.43
Liver	Liver_High1	Liver_High2	Liver_High3	Liver_low1	Liver_low2	Liver_low3
Enrichment Score (relH)	4.01	4.43	4.37	4.34	4.16	4.47
Enrichment Score (GoGe)	2.19	2.34	2.31	2.30	2.27	2.42

Supplementary Table 3. Differentially methylated gene list in small intestine and liver.

a. Intestine

Ensembl Gene ID	Gene Symbol	Gene Description
ENSSSCG00000002523	CDC42BP B	CDC42 binding protein kinase beta (DMPK-like) [Source:HGNC Symbol;Acc:1738]
ENSSSCG00000019556	7SK.46	7SK RNA [Source:RFAM;Acc:RF00100]
ENSSSCG00000012939	BRMS1	breast cancer metastasis suppressor 1 [Source:HGNC Symbol;Acc:17262]
ENSSSCG00000013658	S1PR2	sphingosine-1-phosphate receptor 2 [Source:HGNC Symbol;Acc:3169]
ENSSSCG00000026161	E2F6	E2F transcription factor 6 [Source:HGNC Symbol;Acc:3120]
ENSSSCG00000001025	DSP	desmoplakin [Source:HGNC Symbol;Acc:3052]
ENSSSCG00000014802	NUMA1	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:8059]
ENSSSCG00000016912	PPAP2A	phosphatidic acid phosphatase type 2A [Source:HGNC Symbol;Acc:9228]
ENSSSCG00000030936	CH242- 154K8.2	

b. liver

Ensembl Gene ID	Gene Symbol	Gene Description
ENSSSCG00000022 314	CLIC4	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:13518]
ENSSSCG00000004 008	WDR27	WD repeat domain 27 [Source:HGNC Symbol;Acc:21248]
ENSSSCG00000004 012	THBS2	thrombospondin 2 [Source:HGNC Symbol;Acc:11786]
ENSSSCG00000005 608	ANGPTL 2	Sus scrofa angiopoietin-like 2 (ANGPTL2), mRNA. [Source:RefSeq mRNA;Acc:NM_001109946]
ENSSSCG00000005 607	RALGPS 1	Ral GEF with PH domain and SH3 binding motif 1 [Source:HGNC Symbol;Acc:16851]
ENSSSCG00000005 679	ASB6	Sus scrofa ankyrin repeat and SOCS box containing 6 (ASB6), mRNA. [Source:RefSeq mRNA;Acc:NM_001099937]
ENSSSCG00000005 717	UCK1	uridine-cytidine kinase 1 [Source:HGNC Symbol;Acc:14859]
ENSSSCG00000005 719	RAPGEF 1	Rap guanine nucleotide exchange factor (GEF) 1 [Source:HGNC Symbol;Acc:4568]
ENSSSCG00000029 715	OLFM1	olfactomedin 1 [Source:HGNC Symbol;Acc:17187]
ENSSSCG00000012 834	MUC5B	mucin 5B, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7516]
ENSSSCG00000012 837	CHID1	chitinase domain containing 1 [Source:HGNC Symbol;Acc:28474]
ENSSSCG00000012 838	TSPAN4	tetraspanin 4 [Source:HGNC Symbol;Acc:11859]
ENSSSCG00000029	PHRF1	PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:24351]

723		
ENSSSCG00000012 857	CARS	cysteinyl-tRNA synthetase [Source:HGNC Symbol;Acc:1493]
ENSSSCG00000012 956	PACS1	phosphofurin acidic cluster sorting protein 1 [Source:HGNC Symbol;Acc:30032]
ENSSSCG00000013 024	NRXN2	neurexin 2 [Source:HGNC Symbol;Acc:8009]
ENSSSCG00000013 034	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:HGNC Symbol;Acc:9056]
ENSSSCG00000024 545	CHRM1	Sus scrofa cholinergic receptor, muscarinic 1 (CHRM1), mRNA. [Source:RefSeq mRNA;Acc:NM_214034]
ENSSSCG00000013 474	S1PR4	sphingosine-1-phosphate receptor 4 [Source:HGNC Symbol;Acc:3170]
ENSSSCG00000022 289	PCDH1	protocadherin 1 [Source:HGNC Symbol;Acc:8655]
ENSSSCG00000014 427	FBXO38	F-box protein 38 [Source:HGNC Symbol;Acc:28844]
ENSSSCG00000007 541	PDGFA	platelet-derived growth factor alpha polypeptide [Source:HGNC Symbol;Acc:8799]
ENSSSCG00000007 580	WIPI2	Sus scrofa WD repeat domain, phosphoinositide interacting 2 (WIPI2), mRNA. [Source:RefSeq mRNA;Acc:NM_001190295]
ENSSSCG00000024 245	AIMP2	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Source:HGNC Symbol;Acc:20609]
ENSSSCG00000007 602	BAIAP2L 1	BAI1-associated protein 2-like 1 [Source:HGNC Symbol;Acc:21649]
ENSSSCG00000023 304	SRRM2	serine/arginine repetitive matrix 2 [Source:HGNC Symbol;Acc:16639]
ENSSSCG00000008 026	CRAMP1 L	Crm, cramped-like (Drosophila) [Source:HGNC Symbol;Acc:14122]

ENSSSCG00000008 040	TSC2	tuberous sclerosis 2 [Source:HGNC Symbol;Acc:12363]
ENSSSCG00000008 041	PKD1	polycystic kidney disease 1 (autosomal dominant) [Source:HGNC Symbol;Acc:9008]
ENSSSCG00000026 367	IFT172	intraflagellar transport 172 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:30391]
ENSSSCG00000024 665	TRAPPC1 2	trafficking protein particle complex 12 [Source:HGNC Symbol;Acc:24284]
ENSSSCG00000005 907	ADCK5	aarF domain containing kinase 5 [Source:HGNC Symbol;Acc:21738]
ENSSSCG00000005 930	SLC45A4	solute carrier family 45, member 4 [Source:HGNC Symbol;Acc:29196]
ENSSSCG00000005 934	TRAPPC9	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:30832]
ENSSSCG00000021 586	ZHX2	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:18513]
ENSSSCG00000006 758	SYT6	synaptotagmin VI [Source:HGNC Symbol;Acc:18638]
ENSSSCG00000000 955	TBC1D22 A	TBC1 domain family, member 22A [Source:HGNC Symbol;Acc:1309]
ENSSSCG00000000 036	PACSIN2	protein kinase C and casein kinase substrate in neurons 2 [Source:HGNC Symbol;Acc:8571]
ENSSSCG00000000 075	MKL1	megakaryoblastic leukemia (translocation) 1 [Source:HGNC Symbol;Acc:14334]
ENSSSCG00000000 545	KLHL42	kelch-like family member 42 [Source:HGNC Symbol;Acc:29252]
ENSSSCG00000000 614	GRIN2B	glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Source:HGNC Symbol;Acc:4586]
ENSSSCG00000000	TMCC3	transmembrane and coiled-coil domain family 3 [Source:HGNC

906		Symbol;Acc:29199]
ENSSSCG00000002 637	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:HGNC Symbol;Acc:28455]
ENSSSCG000000020 924	MC1R	Sus scrofa melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor) (MC1R), mRNA. [Source:RefSeq mRNA;Acc:NM_001008690]
ENSSSCG000000023 677	CHMP1A	charged multivesicular body protein 1A [Source:HGNC Symbol;Acc:8740]
ENSSSCG000000003 128	LIG1	ligase I, DNA, ATP-dependent [Source:HGNC Symbol;Acc:6598]
ENSSSCG000000030 857	LENG8	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7GMJ1]
ENSSSCG000000003 350	MIB2	mindbomb E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:30577]
ENSSSCG000000003 350	MIB2	mindbomb E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:30577]
ENSSSCG000000028 706	MORN1	MORN repeat containing 1 [Source:HGNC Symbol;Acc:25852]
ENSSSCG000000021 232	SYNC	syncoilin, intermediate filament protein [Source:HGNC Symbol;Acc:28897]
ENSSSCG000000003 897	MOB3C	MOB kinase activator 3C [Source:HGNC Symbol;Acc:29800]
ENSSSCG000000003 973	CTPS1	CTP synthase 1 [Source:HGNC Symbol;Acc:2519]
ENSSSCG000000000 994	GMDS	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:4369]
ENSSSCG000000026 323	FAM50B	family with sequence similarity 50, member B [Source:HGNC Symbol;Acc:18789]
ENSSSCG000000001	DSP	desmoplakin [Source:HGNC Symbol;Acc:3052]

025		
ENSSSCG00000001	SYNGAP	synaptic Ras GTPase activating protein 1 [Source:HGNC
513	1	Symbol;Acc:11497]
ENSSSCG000000001	PAQR8	Sus scrofa progesterin and adipoQ receptor family member VIII (PAQR8),
750		mRNA. [Source:RefSeq mRNA;Acc:NM_213740]
ENSSSCG000000030	MYH6	myosin, heavy chain 6, cardiac muscle, alpha [Source:HGNC
999		Symbol;Acc:7576]
ENSSSCG000000002	MYH7	Sus scrofa myosin, heavy chain 7, cardiac muscle, beta (MYH7), mRNA.
029		[Source:RefSeq mRNA;Acc:NM_213855]
ENSSSCG000000002	CCDC88	coiled-coil domain containing 88C [Source:HGNC Symbol;Acc:19967]
440	C	
ENSSSCG000000002	PAQR8	Membrane progesterin receptor beta [Source:UniProtKB/Swiss-
619		Prot;Acc:Q865K9]
ENSSSCG000000021	GAK	cyclin G associated kinase [Source:HGNC Symbol;Acc:4113]
289		
ENSSSCG000000008	LETM1	leucine zipper-EF-hand containing transmembrane protein 1
675		[Source:HGNC Symbol;Acc:6556]
ENSSSCG000000008	WHSC1	Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC
682		Symbol;Acc:12766]
ENSSSCG000000008	POLN	polymerase (DNA directed) nu [Source:HGNC Symbol;Acc:18870]
684		
ENSSSCG000000008	NELFA	negative elongation factor complex member A [Source:HGNC
681		Symbol;Acc:12768]
ENSSSCG000000029	FAM193	family with sequence similarity 193, member A [Source:HGNC
745	A	Symbol;Acc:16822]
ENSSSCG000000008	ABLIM2	actin binding LIM protein family, member 2 [Source:HGNC
721		Symbol;Acc:19195]
ENSSSCG000000014	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:HGNC
575		Symbol;Acc:30425]

ENSSSCG00000014 568	ST5	suppression of tumorigenicity 5 [Source:HGNC Symbol;Acc:11350]
ENSSSCG00000014 628	APBB1	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) [Source:HGNC Symbol;Acc:581]
ENSSSCG00000014 802	NUMA1	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:8059]
ENSSSCG00000014 811	INPPL1	inositol polyphosphate phosphatase-like 1 [Source:HGNC Symbol;Acc:6080]
ENSSSCG00000028 201	CWF19L2	CWF19-like 2, cell cycle control (S. pombe) [Source:HGNC Symbol;Acc:26508]
ENSSSCG00000015 239	BARX2	BARX homeobox 2 [Source:HGNC Symbol;Acc:956]
ENSSSCG00000026 412	PLXNA2	plexin A2 [Source:HGNC Symbol;Acc:9100]
ENSSSCG00000010 912	KIF14	kinesin family member 14 [Source:HGNC Symbol;Acc:19181]
ENSSSCG00000027 314	CAMSAP 2	calmodulin regulated spectrin-associated protein family, member 2 [Source:HGNC Symbol;Acc:29188]
ENSSSCG00000011 160	ADARB2	adenosine deaminase, RNA-specific, B2 (non-functional) [Source:HGNC Symbol;Acc:227]
ENSSSCG00000029 602		Sus scrofa WD repeat domain 37 (WDR37), mRNA. [Source:RefSeq mRNA;Acc:NM_001244454]
ENSSSCG00000009 268	GULDH	Sus scrofa CRY protein (CRY), mRNA. [Source:RefSeq mRNA;Acc:NM_213881]
ENSSSCG00000024 667	MICU2	mitochondrial calcium uptake 2 [Source:HGNC Symbol;Acc:31830]
ENSSSCG00000021 818	ENOX1	ecto-NOX disulfide-thiol exchanger 1 [Source:HGNC Symbol;Acc:25474]
ENSSSCG00000017	BAIAP2	BAI1-associated protein 2 [Source:HGNC Symbol;Acc:947]

142		
ENSSSCG00000017 140	CHMP6	charged multivesicular body protein 6 [Source:HGNC Symbol;Acc:25675]
ENSSSCG00000017 146	RNF213	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]
ENSSSCG00000017 205	SAP30BP	SAP30 binding protein [Source:HGNC Symbol;Acc:30785]
ENSSSCG00000026 646	RFFL	ring finger and FYVE-like domain containing E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:24821]
ENSSSCG00000011 241	DCLK3	doublecortin-like kinase 3 [Source:HGNC Symbol;Acc:19005]
ENSSSCG00000030 016	PDE9A	phosphodiesterase 9A [Source:HGNC Symbol;Acc:8795]
ENSSSCG00000021 991	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa [Source:HGNC Symbol;Acc:7719]
ENSSSCG00000021 698	RRP1B	ribosomal RNA processing 1B [Source:HGNC Symbol;Acc:23818]
ENSSSCG00000027 165	UBE2G2	ubiquitin-conjugating enzyme E2G 2 [Source:HGNC Symbol;Acc:12483]
ENSSSCG00000028 571	FAM207 A	family with sequence similarity 207, member A [Source:HGNC Symbol;Acc:15811]
ENSSSCG00000010 140	RTN4R	reticulon 4 receptor [Source:HGNC Symbol;Acc:18601]
ENSSSCG00000010 564	POLL	polymerase (DNA directed), lambda [Source:HGNC Symbol;Acc:9184]
ENSSSCG00000010 756	MGMT	O-6-methylguanine-DNA methyltransferase [Source:HGNC Symbol;Acc:7059]
ENSSSCG00000010 757	EBF3	early B-cell factor 3 [Source:HGNC Symbol;Acc:19087]

ENSSSCG00000010 759	GLRX3	glutaredoxin 3 [Source:HGNC Symbol;Acc:15987]
ENSSSCG00000007 478	ATP9A	Sus scrofa ATPase, class II, type 9A (ATP9A), mRNA. [Source:RefSeq mRNA;Acc:NM_001114672]
ENSSSCG00000007 513	RAB22A	Sus scrofa RAB22A, member RAS oncogene family (RAB22A), mRNA. [Source:RefSeq mRNA;Acc:NM_001123174]
ENSSSCG00000007 516	STX16	Sus scrofa syntaxin 16 (STX16), mRNA. [Source:RefSeq mRNA;Acc:NM_001123199]
ENSSSCG00000007 517	NPEPL1	Sus scrofa aminopeptidase-like 1 (NPEPL1), mRNA. [Source:RefSeq mRNA;Acc:NM_001123148]
ENSSSCG00000024 694	TAF4	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa [Source:HGNC Symbol;Acc:11537]
ENSSSCG00000016 409	UBE3C	ubiquitin protein ligase E3C [Source:HGNC Symbol;Acc:16803]
ENSSSCG00000016 578	FLNC	filamin C, gamma [Source:HGNC Symbol;Acc:3756]
ENSSSCG00000012 741	MAMLD 1	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:2568]
ENSSSCG00000012 832	MXRA5	matrix-remodelling associated 5 [Source:HGNC Symbol;Acc:7539]

Supplementary Table 4. Gene list of NDG(nearest downstream gene) and TSS(nearest transcription starting site) analysis.

a. Intestine_NDG(FDR<0.05)

Ensembl Gene ID	Gene Description
ENSSSCG00000004287	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:HGNC Symbol;Acc:18677]
ENSSSCG00000012950	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:18749]
ENSSSCG00000008631	PQ loop repeat containing 3 [Source:HGNC Symbol;Acc:28503]
ENSSSCG00000024423	Sus scrofa thyroid peroxidase (TPO), mRNA. [Source:RefSeq mRNA;Acc:NM_001184752]
ENSSSCG00000006125	Sus scrofa calbindin 1, 28kDa (CALB1), mRNA. [Source:RefSeq mRNA;Acc:NM_001130226]
ENSSSCG00000028765	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000003256	protein kinase C, gamma [Source:HGNC Symbol;Acc:9402]
ENSSSCG00000001026	small nuclear ribonucleoprotein 48kDa (U11/U12) [Source:HGNC Symbol;Acc:21368]
ENSSSCG00000002527	ankyrin repeat domain 9 [Source:HGNC Symbol;Acc:20096]
ENSSSCG00000002629	F-box protein 9 [Source:HGNC Symbol;Acc:13588]
ENSSSCG00000015024	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:1163]
ENSSSCG00000022021	probable ATP-dependent RNA helicase DDX4 [Source:RefSeq peptide;Acc:NP_001001910]

ENSSSCG00000007348	solute carrier family 32 (GABA vesicular transporter), member 1 [Source:HGNC Symbol;Acc:11018]
ENSSSCG00000024958	G protein-coupled receptor 173 [Source:HGNC Symbol;Acc:18186]
ENSSSCG00000022372	Sus scrofa solute carrier family 6 (amino acid transporter), member 14 (SLC6A14), mRNA. [Source:RefSeq mRNA;Acc:NM_001166042]
ENSSSCG00000004285	Sus scrofa oocyte expressed protein homolog (dog) (OOEP), mRNA. [Source:RefSeq mRNA;Acc:NM_001198917]
ENSSSCG00000012942	neuronal PAS domain protein 4 [Source:HGNC Symbol;Acc:18983]
ENSSSCG00000013659	DNA (cytosine-5-)-methyltransferase 1 [Source:HGNC Symbol;Acc:2976]
ENSSSCG00000006122	N-terminal EF-hand calcium binding protein 1 [Source:HGNC Symbol;Acc:20983]
ENSSSCG00000006571	integrator complex subunit 3 [Source:HGNC Symbol;Acc:26153]
ENSSSCG00000000925	chromosome 12 open reading frame 29 [Source:HGNC Symbol;Acc:25322]
ENSSSCG00000021329	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000003973	CTP synthase 1 [Source:HGNC Symbol;Acc:2519]
ENSSSCG00000001022	signal sequence receptor, alpha [Source:HGNC Symbol;Acc:11323]
ENSSSCG00000002627	glutathione S-transferase alpha 4 [Source:HGNC Symbol;Acc:4629]
ENSSSCG00000019570	7SK RNA [Source:RFAM;Acc:RF00100]

ENSSSCG00000025133	Sus scrofa integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) (ITGB2), mRNA. [Source:RefSeq mRNA;Acc:NM_213908]
ENSSSCG00000016907	DEAH (Asp-Glu-Ala-His) box polypeptide 29 [Source:HGNC Symbol;Acc:15815]
ENSSSCG00000027932	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]

b. Intestine_TSS(FDR<0.05)

Ensembl Gene ID	Gene Description
ENSSSCG00000016912	phosphatidic acid phosphatase type 2A [Source:HGNC Symbol;Acc:9228]
ENSSSCG00000000924	chromosome 12 open reading frame 50 [Source:HGNC Symbol;Acc:26665]
ENSSSCG00000003973	CTP synthase 1 [Source:HGNC Symbol;Acc:2519]
ENSSSCG00000021528	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000002523	CDC42 binding protein kinase beta (DMPK-like) [Source:HGNC Symbol;Acc:1738]
ENSSSCG00000019556	7SK RNA [Source:RFAM;Acc:RF00100]
ENSSSCG00000023796	interleukin 18 binding protein [Source:HGNC Symbol;Acc:5987]
ENSSSCG00000004287	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:HGNC Symbol;Acc:18677]

ENSSSCG00000012939	breast cancer metastasis suppressor 1 [Source:HGNC Symbol;Acc:17262]
ENSSSCG00000026161	E2F transcription factor 6 [Source:HGNC Symbol;Acc:3120]
ENSSSCG00000024423	Sus scrofa thyroid peroxidase (TPO), mRNA. [Source:RefSeq mRNA;Acc:NM_001184752]
ENSSSCG00000006122	N-terminal EF-hand calcium binding protein 1 [Source:HGNC Symbol;Acc:20983]
ENSSSCG00000028765	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000024958	G protein-coupled receptor 173 [Source:HGNC Symbol;Acc:18186]
ENSSSCG00000012600	angiotensin II receptor, type 2 [Source:HGNC Symbol;Acc:338]

c. Liver_NGD(FDR<0.05)

Ensembl Gene ID	Gene Description
ENSSSCG00000018052	5',3'-nucleotidase, mitochondrial [Source:HGNC Symbol;Acc:15769]
ENSSSCG00000020149	5.8S ribosomal RNA [Source:RFAM;Acc:RF00002]
ENSSSCG00000020166	5S ribosomal RNA [Source:RFAM;Acc:RF00001]
ENSSSCG00000020261	5S ribosomal RNA [Source:RFAM;Acc:RF00001]
ENSSSCG00000011133	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Source:HGNC Symbol;Acc:8874]

ENSSSCG00000030670	7SK RNA [Source:RFAM;Acc:RF00100]
ENSSSCG00000019570	7SK RNA [Source:RFAM;Acc:RF00100]
ENSSSCG00000014574	A kinase (PRKA) interacting protein 1 [Source:HGNC Symbol;Acc:1170]
ENSSSCG00000014430	actin binding LIM protein family, member 3 [Source:HGNC Symbol;Acc:29132]
ENSSSCG00000003357	actin-related protein T2 [Source:HGNC Symbol;Acc:24026]
ENSSSCG00000000612	activating transcription factor 7 interacting protein [Source:HGNC Symbol;Acc:20092]
ENSSSCG00000012836	adaptor-related protein complex 2, alpha 2 subunit [Source:HGNC Symbol;Acc:562]
ENSSSCG00000000037	ADP-ribosylation factor GTPase activating protein 3 [Source:HGNC Symbol;Acc:661]
ENSSSCG00000008650	allantoicase [Source:HGNC Symbol;Acc:17377]
ENSSSCG00000004001	alpha-1-B glycoprotein [Source:HGNC Symbol;Acc:5]
ENSSSCG00000024245	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Source:HGNC Symbol;Acc:20609]
ENSSSCG00000014628	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) [Source:HGNC Symbol;Acc:581]
ENSSSCG00000022410	ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:21316]
ENSSSCG00000007593	ankyrin repeat domain 61 [Source:HGNC Symbol;Acc:22467]

ENSSSCG00000014391	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 [Source:HGNC Symbol;Acc:24097]
ENSSSCG00000016577	ATPase, H ⁺ transporting, lysosomal 14kDa, V1 subunit F [Source:HGNC Symbol;Acc:16832]
ENSSSCG00000002822	autocrine motility factor receptor, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:463]
ENSSSCG00000016373	BCL2-related ovarian killer [Source:HGNC Symbol;Acc:1087]
ENSSSCG00000020678	BTG3 associated nuclear protein [Source:HGNC Symbol;Acc:13450]
ENSSSCG00000003126	calcium binding protein 5 [Source:HGNC Symbol;Acc:13714]
ENSSSCG00000007567	carbohydrate (chondroitin 4) sulfotransferase 12 [Source:HGNC Symbol;Acc:17423]
ENSSSCG00000014435	Casein kinase I isoform alpha [Source:UniProtKB/Swiss-Prot;Acc:O19175]
ENSSSCG00000015622	CD34 molecule [Source:HGNC Symbol;Acc:1662]
ENSSSCG00000017722	chemokine (C-C motif) ligand 11 [Source:HGNC Symbol;Acc:10610]
ENSSSCG00000001751	cholinergic receptor, nicotinic, alpha 5 (neuronal) [Source:HGNC Symbol;Acc:1959]
ENSSSCG00000003129	chromosome 19 open reading frame 68 [Source:HGNC Symbol;Acc:34495]
ENSSSCG000000030125	Sus scrofa 15 kDa selenoprotein (SEP15), mRNA. [Source:RefSeq mRNA;Acc:NM_001085443]
ENSSSCG00000008686	chromosome 4 open reading frame 48 [Source:HGNC Symbol;Acc:34437]
ENSSSCG00000001001	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Acc:21620]
ENSSSCG00000009545	collagen, type IV, alpha 2 [Source:HGNC Symbol;Acc:2203]

ENSSSCG00000025629	collectin sub-family member 11 [Source:HGNC Symbol;Acc:17213]
ENSSSCG00000029481	complexin 1 [Source:HGNC Symbol;Acc:2309]
ENSSSCG00000001512	cutA divalent cation tolerance homolog (E. coli) [Source:HGNC Symbol;Acc:21101]
ENSSSCG00000026326	cyclin F [Source:HGNC Symbol;Acc:1591]
ENSSSCG00000025401	cyclin-dependent kinase 10 [Source:HGNC Symbol;Acc:1770]
ENSSSCG00000020976	cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:2469]
ENSSSCG00000020976	cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:2469]
ENSSSCG00000024444	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59 [Source:HGNC Symbol;Acc:25360]
ENSSSCG00000010565	deleted in primary ciliary dyskinesia homolog (mouse) [Source:HGNC Symbol;Acc:24542]
ENSSSCG00000012851	dopamine receptor D4 [Source:HGNC Symbol;Acc:3025]
ENSSSCG00000005852	ectonucleoside triphosphate diphosphohydrolase 8 [Source:HGNC Symbol;Acc:24860]
ENSSSCG00000002620	EF-hand domain (C-terminal) containing 1 [Source:HGNC Symbol;Acc:16406]
ENSSSCG00000002026	embryonal Fyn-associated substrate [Source:HGNC Symbol;Acc:16898]
ENSSSCG00000000081	ENTH domain containing 1 [Source:HGNC Symbol;Acc:26352]
ENSSSCG00000029808	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Source:HGNC Symbol;Acc:3259]
ENSSSCG00000010865	exonuclease 1 [Source:HGNC Symbol;Acc:3511]

ENSSSCG00000005925	exosome component 4 [Source:HGNC Symbol;Acc:18189]
ENSSSCG00000030485	extracellular leucine-rich repeat and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:33154]
ENSSSCG00000014632	family with sequence similarity 160, member A2 [Source:HGNC Symbol;Acc:25378]
ENSSSCG00000029745	family with sequence similarity 193, member A [Source:HGNC Symbol;Acc:16822]
ENSSSCG00000028571	family with sequence similarity 207, member A [Source:HGNC Symbol;Acc:15811]
ENSSSCG00000009428	family with sequence similarity 216, member B [Source:HGNC Symbol;Acc:26883]
ENSSSCG00000002718	fatty acid 2-hydroxylase [Source:HGNC Symbol;Acc:21197]
ENSSSCG00000005909	F-box and leucine-rich repeat protein 6 [Source:HGNC Symbol;Acc:13603]
ENSSSCG00000030827	fibroblast growth factor receptor 3 [Source:HGNC Symbol;Acc:3690]
ENSSSCG00000022630	FLYWCH family member 2 [Source:HGNC Symbol;Acc:25178]
ENSSSCG00000007576	forkhead box K1 [Source:HGNC Symbol;Acc:23480]
ENSSSCG00000003198	fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:26219]
ENSSSCG00000013032	G protein-coupled receptor 137 [Source:HGNC Symbol;Acc:24300]
ENSSSCG00000002439	G protein-coupled receptor 68 [Source:HGNC Symbol;Acc:4519]
ENSSSCG00000009562	G protein-coupled receptor kinase 1 [Source:HGNC Symbol;Acc:10013]

ENSSSCG00000028015	galactose-3-O-sulfotransferase 3 [Source:HGNC Symbol;Acc:24144]
ENSSSCG00000000994	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:4369]
ENSSSCG00000028672	glucokinase (hexokinase 4) regulator [Source:HGNC Symbol;Acc:4196]
ENSSSCG00000010759	glutaredoxin 3 [Source:HGNC Symbol;Acc:15987]
ENSSSCG00000011243	golgin A4 [Source:HGNC Symbol;Acc:4427]
ENSSSCG00000023433	guanine nucleotide binding protein (G protein) alpha 12 [Source:HGNC Symbol;Acc:4380]
ENSSSCG00000022164	heat shock transcription factor 2 binding protein [Source:HGNC Symbol;Acc:5226]
ENSSSCG00000022164	heat shock transcription factor 2 binding protein [Source:HGNC Symbol;Acc:5226]
ENSSSCG00000010765	inositol polyphosphate-5-phosphatase, 40kDa [Source:HGNC Symbol;Acc:6076]
ENSSSCG00000014434	interleukin 17B [Source:HGNC Symbol;Acc:5982]
ENSSSCG00000025308	interleukin 17D [Source:HGNC Symbol;Acc:5984]
ENSSSCG00000008020	intraflagellar transport 140 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:29077]
ENSSSCG00000017112	iroquois homeobox 4 [Source:HGNC Symbol;Acc:6129]
ENSSSCG00000013888	Janus kinase 3 [Source:HGNC Symbol;Acc:6193]
ENSSSCG00000002652	kelch domain containing 4 [Source:HGNC Symbol;Acc:25272]
ENSSSCG00000002652	kelch domain containing 4 [Source:HGNC Symbol;Acc:25272]

ENSSSCG00000014396	KIAA0141 [Source:HGNC Symbol;Acc:28969]
ENSSSCG00000030369	KIAA1522 [Source:HGNC Symbol;Acc:29301]
ENSSSCG00000010770	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:HGNC Symbol;Acc:29374]
ENSSSCG00000012955	kinesin light chain 2 [Source:HGNC Symbol;Acc:20716]
ENSSSCG00000011162	La ribonucleoprotein domain family, member 4B [Source:HGNC Symbol;Acc:28987]
ENSSSCG00000002712	lactate dehydrogenase D [Source:HGNC Symbol;Acc:19708]
ENSSSCG00000007599	lemur tyrosine kinase 2 [Source:HGNC Symbol;Acc:17880]
ENSSSCG00000010764	leucine rich repeat containing 27 [Source:HGNC Symbol;Acc:29346]
ENSSSCG00000008675	leucine zipper-EF-hand containing transmembrane protein 1 [Source:HGNC Symbol;Acc:6556]
ENSSSCG00000008675	leucine zipper-EF-hand containing transmembrane protein 1 [Source:HGNC Symbol;Acc:6556]
ENSSSCG00000003549	low density lipoprotein receptor adaptor protein 1 [Source:HGNC Symbol;Acc:18640]
ENSSSCG00000017170	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase, isozyme B [Source:HGNC Symbol;Acc:24140]
ENSSSCG00000000546	MANSC domain containing 4 [Source:HGNC Symbol;Acc:40023]
ENSSSCG00000012741	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:2568]
ENSSSCG00000003351	matrix metalloproteinase 23B [Source:HGNC Symbol;Acc:7171]

ENSSSCG00000025488	minichromosome maintenance complex component 3 [Source:HGNC Symbol;Acc:6945]
ENSSSCG00000007578	monocyte to macrophage differentiation-associated 2 [Source:HGNC Symbol;Acc:30133]
ENSSSCG00000028706	MORN repeat containing 1 [Source:HGNC Symbol;Acc:25852]
ENSSSCG00000016410	motor neuron and pancreas homeobox 1 [Source:HGNC Symbol;Acc:4979]
ENSSSCG00000012835	mucin 6, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7517]
ENSSSCG00000007680	myosin, light chain 10, regulatory [Source:HGNC Symbol;Acc:29825]
ENSSSCG00000018023	Sus scrofa COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast) (COX10), nuclear gene encoding mitochondrial protein, mRNA. [Source:RefSeq mRNA;Acc:NM_001244626]
ENSSSCG00000012742	myotubularin 1 [Source:HGNC Symbol;Acc:7448]
ENSSSCG00000008683	N-acetyltransferase 8-like (GCN5-related, putative) [Source:HGNC Symbol;Acc:26742]
ENSSSCG00000017114	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase) [Source:HGNC Symbol;Acc:7713]
ENSSSCG00000007603	neuronal pentraxin II [Source:HGNC Symbol;Acc:7953]
ENSSSCG00000013475	nicalin [Source:HGNC Symbol;Acc:26923]
ENSSSCG00000008039	nth endonuclease III-like 1 (E. coli) [Source:HGNC Symbol;Acc:8028]

ENSSSCG00000014570	nuclear receptor interacting protein 3 [Source:HGNC Symbol;Acc:1167]
ENSSSCG00000014794	nucleoporin 98kDa [Source:HGNC Symbol;Acc:8068]
ENSSSCG00000028720	nucleoredoxin [Source:HGNC Symbol;Acc:18008]
ENSSSCG00000012856	nucleosome assembly protein 1-like 4 [Source:HGNC Symbol;Acc:7640]
ENSSSCG00000006936	outer dense fiber of sperm tails 2-like [Source:HGNC Symbol;Acc:29225]
ENSSSCG00000005680	paired related homeobox 2 [Source:HGNC Symbol;Acc:21338]
ENSSSCG00000014437	peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Source:HGNC Symbol;Acc:30022]
ENSSSCG00000014438	phosphodiesterase 6A, cGMP-specific, rod, alpha [Source:HGNC Symbol;Acc:8785]
ENSSSCG00000023949	pim-3 oncogene [Source:HGNC Symbol;Acc:19310]
ENSSSCG00000000907	plexin C1 [Source:HGNC Symbol;Acc:9106]
ENSSSCG00000007590	PMS2 postmeiotic segregation increased 2 (<i>S. cerevisiae</i>) [Source:HGNC Symbol;Acc:9122]
ENSSSCG00000023041	poly(rC) binding protein 3 [Source:HGNC Symbol;Acc:8651]
ENSSSCG00000002747	polyamine modulated factor 1 binding protein 1 [Source:HGNC Symbol;Acc:17728]
ENSSSCG00000026662	PR domain containing 7 [Source:HGNC Symbol;Acc:9351]
ENSSSCG00000027777	proline rich Gla (G-carboxyglutamic acid) 1 [Source:HGNC Symbol;Acc:9469]

ENSSSCG00000003196	prostate tumor overexpressed 1 [Source:HGNC Symbol;Acc:9632]
ENSSSCG000000022744	protease, serine, 21 (testisin) [Source:HGNC Symbol;Acc:9485]
ENSSSCG000000030630	proteasome (prosome, macropain) subunit, alpha type, 7 [Source:HGNC Symbol;Acc:9536]
ENSSSCG00000006927	protein kinase N2 [Source:HGNC Symbol;Acc:9406]
ENSSSCG00000005761	protein phosphatase 1, regulatory subunit 26 [Source:HGNC Symbol;Acc:29089]
ENSSSCG000000012884	protein phosphatase 6, regulatory subunit 3 [Source:HGNC Symbol;Acc:1173]
ENSSSCG000000027135	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1G [Source:HGNC Symbol;Acc:9278]
ENSSSCG000000025582	PX domain containing 1 [Source:HGNC Symbol;Acc:21361]
ENSSSCG00000005841	RAB, member RAS oncogene family-like 6 [Source:HGNC Symbol;Acc:24703]
ENSSSCG000000029426	ras homolog family member G [Source:HGNC Symbol;Acc:672]
ENSSSCG000000023978	RecQ protein-like 5 [Source:HGNC Symbol;Acc:9950]
ENSSSCG000000029414	Sus scrofa ficolin (collagen/fibrinogen domain containing) 1 (FCN1), mRNA. [Source:RefSeq mRNA;Acc:NM_214160]
ENSSSCG000000008698	regulator of G-protein signaling 12 [Source:HGNC Symbol;Acc:9994]
ENSSSCG000000025624	regulatory associated protein of MTOR, complex 1 [Source:HGNC Symbol;Acc:30287]
ENSSSCG000000025624	regulatory associated protein of MTOR, complex 1 [Source:HGNC Symbol;Acc:30287]

ENSSSCG00000015238	Rho GTPase activating protein 32 [Source:HGNC Symbol;Acc:17399]
ENSSSCG00000000998	ribonuclease P/MRP 40kDa subunit [Source:HGNC Symbol;Acc:20992]
ENSSSCG00000024974	ribosomal protein L13 [Source:HGNC Symbol;Acc:10303]
ENSSSCG00000024974	ribosomal protein L13 [Source:HGNC Symbol;Acc:10303]
ENSSSCG00000004002	ribosomal protein S5 [Source:HGNC Symbol;Acc:10426]
ENSSSCG00000027353	ribosomal protein S7 [Source:HGNC Symbol;Acc:10440]
ENSSSCG00000009281	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) [Source:HGNC Symbol;Acc:10809]
ENSSSCG00000009281	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) [Source:HGNC Symbol;Acc:10809]
ENSSSCG00000030206	serine/threonine kinase 33 [Source:HGNC Symbol;Acc:14568]
ENSSSCG00000030206	serine/threonine kinase 33 [Source:HGNC Symbol;Acc:14568]
ENSSSCG00000014444	Transporter [Source:UniProtKB/TrEMBL;Acc:F1RL73]
ENSSSCG00000022004	SH3-domain binding protein 2 [Source:HGNC Symbol;Acc:10825]
ENSSSCG00000001022	signal sequence receptor, alpha [Source:HGNC Symbol;Acc:11323]
ENSSSCG00000020173	Small Cajal body specific RNA 23 [Source:RFAM;Acc:RF00427]
ENSSSCG00000001026	small nuclear ribonucleoprotein 48kDa (U11/U12) [Source:HGNC Symbol;Acc:21368]
ENSSSCG00000019614	Small nucleolar RNA SNORA72 [Source:RFAM;Acc:RF00139]

ENSSSCG00000020406	Small nucleolar RNA SNORD112 [Source:RFAM;Acc:RF01169]
ENSSSCG00000020006	Small nucleolar RNA U13 [Source:RFAM;Acc:RF01210]
ENSSSCG00000021251	solute carrier family 12 (potassium/chloride transporter), member 7 [Source:HGNC Symbol;Acc:10915]
ENSSSCG00000020831	solute carrier family 22 (organic anion/urate transporter), member 11 [Source:HGNC Symbol;Acc:18120]
ENSSSCG00000012855	solute carrier family 22, member 18 [Source:HGNC Symbol;Acc:10964]
ENSSSCG00000002450	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4 [Source:HGNC Symbol;Acc:10978]
ENSSSCG00000027768	solute carrier family 29 (equilibrative nucleoside transporter), member 4 [Source:HGNC Symbol;Acc:23097]
ENSSSCG00000018046	solute carrier family 47 (multidrug and toxin extrusion), member 1 [Source:HGNC Symbol;Acc:25588]
ENSSSCG00000013890	solute carrier family 5 (sodium/iodide cotransporter), member 5 [Source:HGNC Symbol;Acc:11040]
ENSSSCG00000016416	sonic hedgehog [Source:HGNC Symbol;Acc:10848]
ENSSSCG00000019165	ssc-mir-143 [Source:miRBase;Acc:MI0013098]
ENSSSCG00000018753	ssc-mir-205 [Source:miRBase;Acc:MI0002440]

ENSSSCG00000019083	ssc-mir-210 [Source:miRBase;Acc:MI0008220]
ENSSSCG00000018124	ssc-mir-493 [Source:miRBase;Acc:MI0022152]
ENSSSCG00000019061	ssc-mir-95 [Source:miRBase;Acc:MI0002436]
ENSSSCG00000003348	SSU72 RNA polymerase II CTD phosphatase homolog (<i>S. cerevisiae</i>) [Source:HGNC Symbol;Acc:25016]
ENSSSCG00000007517	<i>Sus scrofa</i> aminopeptidase-like 1 (NPEPL1), mRNA. [Source:RefSeq mRNA;Acc:NM_001123148]
ENSSSCG00000007520	<i>Sus scrofa</i> GNAS complex locus (GNAS), transcript variant 4, mRNA. [Source:RefSeq mRNA;Acc:NM_001130215]
ENSSSCG00000003970	<i>Sus scrofa</i> guanylate cyclase activator 2B (uroguanylin) (GUCA2B), mRNA. [Source:RefSeq mRNA;Acc:NM_001160275]
ENSSSCG00000008019	<i>Sus scrofa</i> hematological and neurological expressed 1-like (HN1L), mRNA. [Source:RefSeq mRNA;Acc:NM_001048070]
ENSSSCG00000008701	<i>Sus scrofa</i> low density lipoprotein receptor-related protein associated protein 1 (LRPAP1), mRNA. [Source:RefSeq mRNA;Acc:NM_001113436]
ENSSSCG00000003898	<i>Sus scrofa</i> MAP kinase interacting serine/threonine kinase 1 (MKNK1), mRNA. [Source:RefSeq mRNA;Acc:NM_001143719]

ENSSSCG00000002029	Sus scrofa myosin, heavy chain 7, cardiac muscle, beta (MYH7), mRNA. [Source:RefSeq mRNA;Acc:NM_213855]
ENSSSCG00000000006	Sus scrofa peroxisome proliferator-activated receptor alpha (PPARA), mRNA. [Source:RefSeq mRNA;Acc:NM_001044526]
ENSSSCG00000022372	Sus scrofa solute carrier family 6 (amino acid transporter), member 14 (SLC6A14), mRNA. [Source:RefSeq mRNA;Acc:NM_001166042]
ENSSSCG00000013035	Sus scrofa ubiquitous PKC-potentiated PP1 inhibitor (PHI-1), mRNA. [Source:RefSeq mRNA;Acc:NM_214115]
ENSSSCG00000007514	Sus scrofa VAMP (vesicle-associated membrane protein)-associated protein B and C (VAPB), mRNA. [Source:RefSeq mRNA;Acc:NM_001123213]
ENSSSCG00000016381	sushi, nidogen and EGF-like domains 1 [Source:HGNC Symbol;Acc:24696]
ENSSSCG00000006750	synaptonemal complex protein 1 [Source:HGNC Symbol;Acc:11487]
ENSSSCG00000000948	synaptotagmin I [Source:HGNC Symbol;Acc:11509]
ENSSSCG00000008601	syndecan 1 [Source:HGNC Symbol;Acc:10658]
ENSSSCG00000007601	tectonin beta-propeller repeat containing 1 [Source:HGNC Symbol;Acc:22214]
ENSSSCG00000024763	testis expressed 29 [Source:HGNC Symbol;Acc:20370]

ENSSSCG00000024911	Metallothionein [Source:UniProtKB/TrEMBL;Acc:I3LP58]
ENSSSCG00000005934	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:30832]
ENSSSCG00000010760	transcription elongation regulator 1-like [Source:HGNC Symbol;Acc:23533]
ENSSSCG00000002636	transcription factor 25 (basic helix-loop-helix) [Source:HGNC Symbol;Acc:29181]
ENSSSCG00000028995	transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) [Source:HGNC Symbol;Acc:11838]
ENSSSCG00000007915	transmembrane protein 114 [Source:HGNC Symbol;Acc:33227]
ENSSSCG00000009553	tubulin, gamma complex associated protein 3 [Source:HGNC Symbol;Acc:18598]
ENSSSCG00000020301	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000000900	vezatin, adherens junctions transmembrane protein [Source:HGNC Symbol;Acc:18258]
ENSSSCG00000001010	Werner helicase interacting protein 1 [Source:HGNC Symbol;Acc:20876]
ENSSSCG00000001010	Werner helicase interacting protein 1 [Source:HGNC Symbol;Acc:20876]
ENSSSCG00000027365	wingless-type MMTV integration site family, member 7B [Source:HGNC Symbol;Acc:12787]
ENSSSCG00000008682	Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Acc:12766]
ENSSSCG00000027774	ZFP28 zinc finger protein [Source:HGNC Symbol;Acc:17801]
ENSSSCG00000029799	zinc finger and BTB domain containing 8 opposite strand [Source:HGNC Symbol;Acc:24094]
ENSSSCG00000001515	zinc finger and BTB domain containing 9 [Source:HGNC Symbol;Acc:28323]

ENSSSCG00000029641	zinc finger and SCAN domain containing 10 [Source:HGNC Symbol;Acc:12997]
ENSSSCG00000010866	Sus scrofa saccharopine dehydrogenase (putative) (SCCPDH), mRNA. [Source:RefSeq mRNA;Acc:NM_001244389]
ENSSSCG00000010911	zinc finger protein 281 [Source:HGNC Symbol;Acc:13075]
ENSSSCG00000023019	zinc finger, SWIM-type containing 5 [Source:HGNC Symbol;Acc:29299]
ENSSSCG00000015627	zona pellucida binding protein [Source:HGNC Symbol;Acc:15662]
ENSSSCG00000029922	Nucleolar GTP-binding protein 1 [Source:UniProtKB/TrEMBL;Acc:I3LJ02]
ENSSSCG00000026744	zinc finger, DHHC-type containing 20 [Source:HGNC Symbol;Acc:20749]
ENSSSCG00000009278	Sus scrofa fibroblast growth factor 9 (glia-activating factor) (FGF9), mRNA. [Source:RefSeq mRNA;Acc:NM_213801]
ENSSSCG00000009425	laccase (multicopper oxidoreductase) domain containing 1 [Source:HGNC Symbol;Acc:26789]
ENSSSCG00000009540	ligase IV, DNA, ATP-dependent [Source:HGNC Symbol;Acc:6601]
ENSSSCG00000026536	DCN1, defective in cullin neddylation 1, domain containing 2 [Source:HGNC Symbol;Acc:20328]
ENSSSCG00000017142	BAI1-associated protein 2 [Source:HGNC Symbol;Acc:947]
ENSSSCG00000017146	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]
ENSSSCG00000017169	SEC14-like 1 (S. cerevisiae) [Source:HGNC Symbol;Acc:10698]

ENSSSCG00000017204	integrin, beta 4 [Source:HGNC Symbol;Acc:6158]
ENSSSCG00000017569	chondroadherin [Source:HGNC Symbol;Acc:1909]
ENSSSCG00000021617	fibronectin type III domain containing 8 [Source:HGNC Symbol;Acc:25286]
ENSSSCG00000017802	basic helix-loop-helix family, member a9 [Source:HGNC Symbol;Acc:35126]
ENSSSCG00000022844	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000023864	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000018014	zinc finger protein 18 [Source:HGNC Symbol;Acc:12969]
ENSSSCG00000018047	family with sequence similarity 83, member G [Source:HGNC Symbol;Acc:32554]
ENSSSCG00000030247	EPM2A (laforin) interacting protein 1 [Source:HGNC Symbol;Acc:19735]
ENSSSCG00000024302	growth associated protein 43 [Source:HGNC Symbol;Acc:4140]
ENSSSCG00000012063	Down syndrome critical region gene 3 [Source:HGNC Symbol;Acc:3044]
ENSSSCG00000012087	solute carrier family 37 (glucose-6-phosphate transporter), member 1 [Source:HGNC Symbol;Acc:11024]
ENSSSCG00000023078	WD repeat domain 4 [Source:HGNC Symbol;Acc:12756]
ENSSSCG00000021991	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa [Source:HGNC Symbol;Acc:7719]
ENSSSCG00000028812	Z6 small nucleolar RNA [Source:RFAM;Acc:RF00285]

ENSSSCG00000025133	Sus scrofa integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) (ITGB2), mRNA. [Source:RefSeq mRNA;Acc:NM_213908]
ENSSSCG00000025133	Sus scrofa integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) (ITGB2), mRNA. [Source:RefSeq mRNA;Acc:NM_213908]
ENSSSCG00000030696	solute carrier family 19 (folate transporter), member 1 [Source:HGNC Symbol;Acc:10937]
ENSSSCG00000022693	Sus scrofa ladybird homeobox 1 (LBX1), mRNA. [Source:RefSeq mRNA;Acc:NM_001206336]
ENSSSCG00000026302	marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:7107]
ENSSSCG00000010757	early B-cell factor 3 [Source:HGNC Symbol;Acc:19087]
ENSSSCG00000010761	serine/threonine kinase 32C [Source:HGNC Symbol;Acc:21332]
ENSSSCG00000010776	calcyon neuron-specific vesicular protein [Source:HGNC Symbol;Acc:17938]
ENSSSCG00000010779	synaptonemal complex central element protein 1 [Source:HGNC Symbol;Acc:28852]
ENSSSCG00000010792	proline-rich acidic protein 1 [Source:HGNC Symbol;Acc:23304]
ENSSSCG00000016368	FERM, RhoGEF and pleckstrin domain protein 2 [Source:HGNC Symbol;Acc:16460]
ENSSSCG00000016374	THAP domain containing 4 [Source:HGNC Symbol;Acc:23187]
ENSSSCG00000017110	cyclin-dependent kinase 7 [Source:HGNC Symbol;Acc:1778]
ENSSSCG00000017110	cyclin-dependent kinase 7 [Source:HGNC Symbol;Acc:1778]

ENSSSCG00000017120	solute carrier family 6 (neutral amino acid transporter), member 19 [Source:HGNC Symbol;Acc:27960]
ENSSSCG00000007477	Sus scrofa nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 (NFATC2), mRNA. [Source:RefSeq mRNA;Acc:NM_001113452]
ENSSSCG00000007515	adenomatosis polyposis coli down-regulated 1-like [Source:HGNC Symbol;Acc:26892]
ENSSSCG00000007515	adenomatosis polyposis coli down-regulated 1-like [Source:HGNC Symbol;Acc:26892]
ENSSSCG00000028268	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000018790	ssc-mir-133a-1 [Source:miRBase;Acc:MI0010681]
ENSSSCG00000019004	ssc-mir-1 [Source:miRBase;Acc:MI0010682]
ENSSSCG00000016408	DnaJ (Hsp40) homolog, subfamily B, member 6 [Source:HGNC Symbol;Acc:14888]
ENSSSCG00000016411	nucleolar protein with MIF4G domain 1 [Source:HGNC Symbol;Acc:13244]
ENSSSCG00000027561	chromosome X open reading frame 30 [Source:HGNC Symbol;Acc:27298]
ENSSSCG00000030421	GDP dissociation inhibitor 1 [Source:HGNC Symbol;Acc:4226]

d. Liver_TSS(FDR<0.05)

Ensembl Gene ID	Gene Description
ENSSSCG00000010865	exonuclease 1 [Source:HGNC Symbol;Acc:3511]
ENSSSCG00000010912	kinesin family member 14 [Source:HGNC Symbol;Acc:19181]
ENSSSCG00000027314	calmodulin regulated spectrin-associated protein family, member 2 [Source:HGNC Symbol;Acc:29188]
ENSSSCG00000011133	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Source:HGNC Symbol;Acc:8874]
ENSSSCG00000020060	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000011160	adenosine deaminase, RNA-specific, B2 (non-functional) [Source:HGNC Symbol;Acc:227]
ENSSSCG00000029602	Sus scrofa WD repeat domain 37 (WDR37), mRNA. [Source:RefSeq mRNA;Acc:NM_001244454]
ENSSSCG00000009268	Sus scrofa CRY protein (CRY), mRNA. [Source:RefSeq mRNA;Acc:NM_213881]
ENSSSCG00000026744	zinc finger, DHHC-type containing 20 [Source:HGNC Symbol;Acc:20749]
ENSSSCG00000009278	Sus scrofa fibroblast growth factor 9 (glia-activating factor) (FGF9), mRNA. [Source:RefSeq mRNA;Acc:NM_213801]
ENSSSCG00000021818	ecto-NOX disulfide-thiol exchanger 1 [Source:HGNC Symbol;Acc:25474]
ENSSSCG00000009544	collagen, type IV, alpha 1 [Source:HGNC Symbol;Acc:2202]
ENSSSCG00000009561	Sus scrofa ATPase, H ⁺ /K ⁺ exchanging, beta polypeptide (ATP4B), mRNA. [Source:RefSeq mRNA;Acc:NM_001001258]

ENSSSCG00000030670	7SK RNA [Source:RFAM;Acc:RF00100]
ENSSSCG00000024675	ssc-mir-338 [Source:miRBase;Acc:MI0014773]
ENSSSCG00000017140	charged multivesicular body protein 6 [Source:HGNC Symbol;Acc:25675]
ENSSSCG00000025624	regulatory associated protein of MTOR, complex 1 [Source:HGNC Symbol;Acc:30287]
ENSSSCG00000017146	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]
ENSSSCG00000017146	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]
ENSSSCG00000020578	Small Cajal body specific RNA 16 [Source:RFAM;Acc:RF00424]
ENSSSCG00000017204	integrin, beta 4 [Source:HGNC Symbol;Acc:6158]
ENSSSCG00000020101	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000022844	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000028465	elaC ribonuclease Z 2 [Source:HGNC Symbol;Acc:14198]
ENSSSCG00000018047	family with sequence similarity 83, member G [Source:HGNC Symbol;Acc:32554]
ENSSSCG00000011241	doublecortin-like kinase 3 [Source:HGNC Symbol;Acc:19005]
ENSSSCG00000021991	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa [Source:HGNC Symbol;Acc:7719]
ENSSSCG00000021698	ribosomal RNA processing 1B [Source:HGNC Symbol;Acc:23818]
ENSSSCG00000028812	Z6 small nucleolar RNA [Source:RFAM;Acc:RF00285]

ENSSSCG00000027165	ubiquitin-conjugating enzyme E2G 2 [Source:HGNC Symbol;Acc:12483]
ENSSSCG00000028571	family with sequence similarity 207, member A [Source:HGNC Symbol;Acc:15811]
ENSSSCG00000030696	solute carrier family 19 (folate transporter), member 1 [Source:HGNC Symbol;Acc:10937]
ENSSSCG00000016349	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa [Source:HGNC Symbol;Acc:7684]
ENSSSCG00000016381	sushi, nidogen and EGF-like domains 1 [Source:HGNC Symbol;Acc:24696]
ENSSSCG00000010140	reticulon 4 receptor [Source:HGNC Symbol;Acc:18601]
ENSSSCG00000010564	polymerase (DNA directed), lambda [Source:HGNC Symbol;Acc:9184]
ENSSSCG00000010756	O-6-methylguanine-DNA methyltransferase [Source:HGNC Symbol;Acc:7059]
ENSSSCG00000010757	early B-cell factor 3 [Source:HGNC Symbol;Acc:19087]
ENSSSCG00000010759	glutaredoxin 3 [Source:HGNC Symbol;Acc:15987]
ENSSSCG00000010792	proline-rich acidic protein 1 [Source:HGNC Symbol;Acc:23304]
ENSSSCG00000007478	Sus scrofa ATPase, class II, type 9A (ATP9A), mRNA. [Source:RefSeq mRNA;Acc:NM_001114672]
ENSSSCG00000007513	Sus scrofa RAB22A, member RAS oncogene family (RAB22A), mRNA. [Source:RefSeq mRNA;Acc:NM_001123174]
ENSSSCG00000007516	Sus scrofa syntaxin 16 (STX16), mRNA. [Source:RefSeq mRNA;Acc:NM_001123199]

ENSSSCG00000007517	Sus scrofa aminopeptidase-like 1 (NPEPL1), mRNA. [Source:RefSeq mRNA;Acc:NM_001123148]
ENSSSCG00000024694	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa [Source:HGNC Symbol;Acc:11537]
ENSSSCG00000018790	ssc-mir-133a-1 [Source:miRBase;Acc:MI0010681]
ENSSSCG00000019004	ssc-mir-1 [Source:miRBase;Acc:MI0010682]
ENSSSCG00000017110	cyclin-dependent kinase 7 [Source:HGNC Symbol;Acc:1778]
ENSSSCG00000017112	iroquois homeobox 4 [Source:HGNC Symbol;Acc:6129]
ENSSSCG00000030301	mitochondrial ribosomal protein L36 [Source:HGNC Symbol;Acc:14490]
ENSSSCG00000017120	solute carrier family 6 (neutral amino acid transporter), member 19 [Source:HGNC Symbol;Acc:27960]
ENSSSCG00000016577	ATPase, H ⁺ transporting, lysosomal 14kDa, V1 subunit F [Source:HGNC Symbol;Acc:16832]
ENSSSCG00000025318	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000000037	ADP-ribosylation factor GTPase activating protein 3 [Source:HGNC Symbol;Acc:661]
ENSSSCG00000000075	megakaryoblastic leukemia (translocation) 1 [Source:HGNC Symbol;Acc:14334]
ENSSSCG00000000545	kelch-like family member 42 [Source:HGNC Symbol;Acc:29252]
ENSSSCG00000000614	glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Source:HGNC Symbol;Acc:4586]

ENSSSCG0000000906	transmembrane and coiled-coil domain family 3 [Source:HGNC Symbol;Acc:29199]
ENSSSCG00000023949	pim-3 oncogene [Source:HGNC Symbol;Acc:19310]
ENSSSCG00000020924	Sus scrofa melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor) (MC1R), mRNA. [Source:RefSeq mRNA;Acc:NM_001008690]
ENSSSCG00000023677	charged multivesicular body protein 1A [Source:HGNC Symbol;Acc:8740]
ENSSSCG00000022410	ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:21316]
ENSSSCG00000020149	5.8S ribosomal RNA [Source:RFAM;Acc:RF00002]
ENSSSCG00000024490	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000020678	BTG3 associated nuclear protein [Source:HGNC Symbol;Acc:13450]
ENSSSCG00000002718	fatty acid 2-hydroxylase [Source:HGNC Symbol;Acc:21197]
ENSSSCG00000025417	Bardet-Biedl syndrome 2 [Source:HGNC Symbol;Acc:967]
ENSSSCG00000003196	prostate tumor overexpressed 1 [Source:HGNC Symbol;Acc:9632]
ENSSSCG00000027774	ZFP28 zinc finger protein [Source:HGNC Symbol;Acc:17801]
ENSSSCG00000004001	alpha-1-B glycoprotein [Source:HGNC Symbol;Acc:5]
ENSSSCG00000003350	mindbomb E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:30577]
ENSSSCG00000028706	MORN repeat containing 1 [Source:HGNC Symbol;Acc:25852]

ENSSSCG00000022314	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:13518]
ENSSSCG00000021232	syncoilin, intermediate filament protein [Source:HGNC Symbol;Acc:28897]
ENSSSCG00000003897	MOB kinase activator 3C [Source:HGNC Symbol;Acc:29800]
ENSSSCG00000029808	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Source:HGNC Symbol;Acc:3259]
ENSSSCG00000003973	CTP synthase 1 [Source:HGNC Symbol;Acc:2519]
ENSSSCG00000000992	forkhead box F2 [Source:HGNC Symbol;Acc:3810]
ENSSSCG00000000994	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:4369]
ENSSSCG00000026323	family with sequence similarity 50, member B [Source:HGNC Symbol;Acc:18789]
ENSSSCG00000021528	U6 spliceosomal RNA [Source:RFAM;Acc:RF00026]
ENSSSCG00000001515	zinc finger and BTB domain containing 9 [Source:HGNC Symbol;Acc:28323]
ENSSSCG00000001750	Sus scrofa progestin and adipoQ receptor family member VIII (PAQR8), mRNA. [Source:RefSeq mRNA;Acc:NM_213740]
ENSSSCG00000002029	Sus scrofa myosin, heavy chain 7, cardiac muscle, beta (MYH7), mRNA. [Source:RefSeq mRNA;Acc:NM_213855]
ENSSSCG00000002439	G protein-coupled receptor 68 [Source:HGNC Symbol;Acc:4519]
ENSSSCG00000002619	Membrane progestin receptor beta [Source:UniProtKB/Swiss-Prot;Acc:Q865K9]

ENSSSCG00000021289	cyclin G associated kinase [Source:HGNC Symbol;Acc:4113]
ENSSSCG00000008675	leucine zipper-EF-hand containing transmembrane protein 1 [Source:HGNC Symbol;Acc:6556]
ENSSSCG00000008683	N-acetyltransferase 8-like (GCN5-related, putative) [Source:HGNC Symbol;Acc:26742]
ENSSSCG00000029745	family with sequence similarity 193, member A [Source:HGNC Symbol;Acc:16822]
ENSSSCG00000019061	ssc-mir-95 [Source:miRBase;Acc:MI0002436]
ENSSSCG00000014575	signal peptide, CUB domain, EGF-like 2 [Source:HGNC Symbol;Acc:30425]
ENSSSCG00000014568	suppression of tumorigenicity 5 [Source:HGNC Symbol;Acc:11350]
ENSSSCG00000014627	sphingomyelin phosphodiesterase 1, acid lysosomal [Source:HGNC Symbol;Acc:11120]
ENSSSCG00000014628	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) [Source:HGNC Symbol;Acc:581]
ENSSSCG00000014794	nucleoporin 98kDa [Source:HGNC Symbol;Acc:8068]
ENSSSCG00000023796	interleukin 18 binding protein [Source:HGNC Symbol;Acc:5987]
ENSSSCG00000014811	inositol polyphosphate phosphatase-like 1 [Source:HGNC Symbol;Acc:6080]
ENSSSCG00000014998	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Source:HGNC Symbol;Acc:14235]
ENSSSCG00000028201	CWF19-like 2, cell cycle control (<i>S. pombe</i>) [Source:HGNC Symbol;Acc:26508]

ENSSSCG00000015239	BARX homeobox 2 [Source:HGNC Symbol;Acc:956]
ENSSSCG00000015622	CD34 molecule [Source:HGNC Symbol;Acc:1662]
ENSSSCG00000004008	WD repeat domain 27 [Source:HGNC Symbol;Acc:21248]
ENSSSCG00000004012	thrombospondin 2 [Source:HGNC Symbol;Acc:11786]
ENSSSCG00000005608	Sus scrofa angiotensin-like 2 (ANGPTL2), mRNA. [Source:RefSeq mRNA;Acc:NM_001109946]
ENSSSCG00000005679	Sus scrofa ankyrin repeat and SOCS box containing 6 (ASB6), mRNA. [Source:RefSeq mRNA;Acc:NM_001099937]
ENSSSCG00000005717	uridine-cytidine kinase 1 [Source:HGNC Symbol;Acc:14859]
ENSSSCG00000029715	olfactomedin 1 [Source:HGNC Symbol;Acc:17187]
ENSSSCG00000005841	RAB, member RAS oncogene family-like 6 [Source:HGNC Symbol;Acc:24703]
ENSSSCG00000012834	mucin 5B, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7516]
ENSSSCG00000012837	chitinase domain containing 1 [Source:HGNC Symbol;Acc:28474]
ENSSSCG00000012853	Sus scrofa interferon regulatory factor 7 (IRF7), mRNA. [Source:RefSeq mRNA;Acc:NM_001097428]
ENSSSCG00000012857	cysteinyl-tRNA synthetase [Source:HGNC Symbol;Acc:1493]
ENSSSCG00000012956	phosphofurin acidic cluster sorting protein 1 [Source:HGNC Symbol;Acc:30032]
ENSSSCG00000013024	neurexin 2 [Source:HGNC Symbol;Acc:8009]

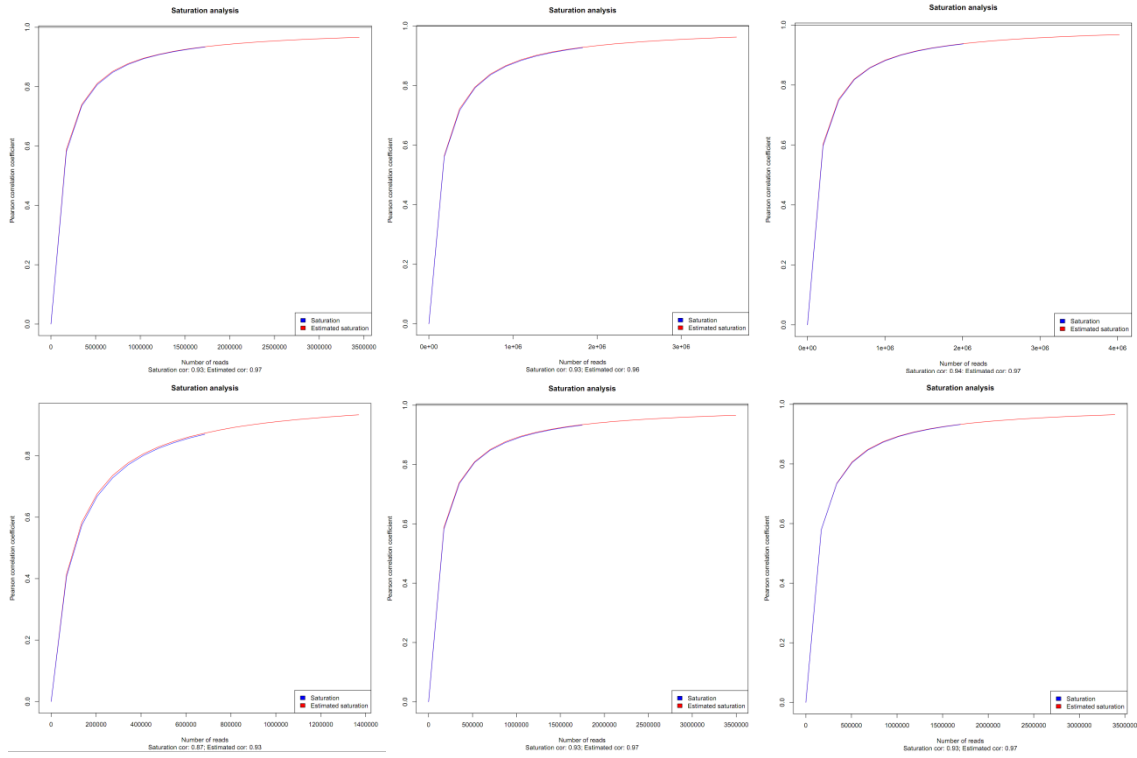
ENSSSCG00000013034	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:HGNC Symbol;Acc:9056]
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ENSSSCG00000013890	solute carrier family 5 (sodium/iodide cotransporter), member 5 [Source:HGNC Symbol;Acc:11040]
ENSSSCG00000013474	sphingosine-1-phosphate receptor 4 [Source:HGNC Symbol;Acc:3170]
ENSSSCG00000022289	protocadherin 1 [Source:HGNC Symbol;Acc:8655]
ENSSSCG00000014427	F-box protein 38 [Source:HGNC Symbol;Acc:28844]
ENSSSCG00000014434	interleukin 17B [Source:HGNC Symbol;Acc:5982]
ENSSSCG00000018701	ssc-mir-378-1 [Source:miRBase;Acc:MI0013088]
ENSSSCG00000014437	peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Source:HGNC Symbol;Acc:30022]
ENSSSCG00000014444	Transporter [Source:UniProtKB/TrEMBL;Acc:F1RL73]
ENSSSCG00000007541	platelet-derived growth factor alpha polypeptide [Source:HGNC Symbol;Acc:8799]
ENSSSCG00000007580	Sus scrofa WD repeat domain, phosphoinositide interacting 2 (WIPI2), mRNA. [Source:RefSeq mRNA;Acc:NM_001190295]
ENSSSCG00000024245	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Source:HGNC

	Symbol;Acc:20609]
ENSSSCG00000007602	BAl1-associated protein 2-like 1 [Source:HGNC Symbol;Acc:21649]
ENSSSCG00000008061	transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) [Source:HGNC Symbol;Acc:11619]
ENSSSCG000000022744	protease, serine, 21 (testisin) [Source:HGNC Symbol;Acc:9485]
ENSSSCG00000008026	Crm, cramped-like (Drosophila) [Source:HGNC Symbol;Acc:14122]
ENSSSCG000000030676	keratinocyte associated protein 3 [Source:HGNC Symbol;Acc:28943]
ENSSSCG00000008605	tetratricopeptide repeat domain 32 [Source:HGNC Symbol;Acc:32954]
ENSSSCG000000027353	ribosomal protein S7 [Source:HGNC Symbol;Acc:10440]
ENSSSCG000000025629	collectin sub-family member 11 [Source:HGNC Symbol;Acc:17213]
ENSSSCG000000006951	coiled-coil domain containing 166 [Source:HGNC Symbol;Acc:41910]
ENSSSCG000000005930	solute carrier family 45, member 4 [Source:HGNC Symbol;Acc:29196]
ENSSSCG000000005933	chromatin accessibility complex 1 [Source:HGNC Symbol;Acc:13544]
ENSSSCG000000005934	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:30832]
ENSSSCG000000005934	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:30832]
ENSSSCG000000021586	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:18513]

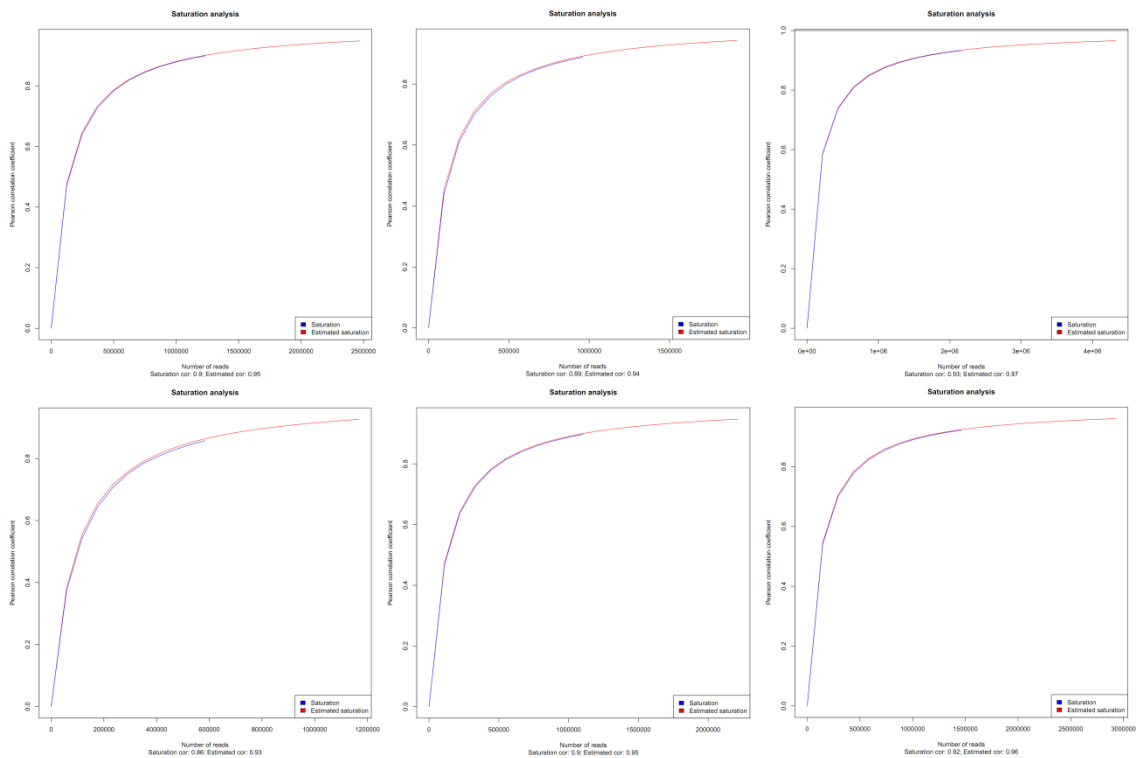
ENSSSCG00000006758	synaptotagmin VI [Source:HGNC Symbol;Acc:18638]
ENSSSCG00000006927	protein kinase N2 [Source:HGNC Symbol;Acc:9406]
ENSSSCG00000006930	Sus scrofa SH3-domain GRB2-like endophilin B1 (SH3GLB1), mRNA. [Source:RefSeq mRNA;Acc:NM_001168421]
ENSSSCG00000012600	angiotensin II receptor, type 2 [Source:HGNC Symbol;Acc:338]
ENSSSCG00000012741	mastermind-like domain containing 1 [Source:HGNC Symbol;Acc:2568]
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Supplementary Figure 1. Saturation Plot for 12 samples using MEDIPs.

a. Intestine

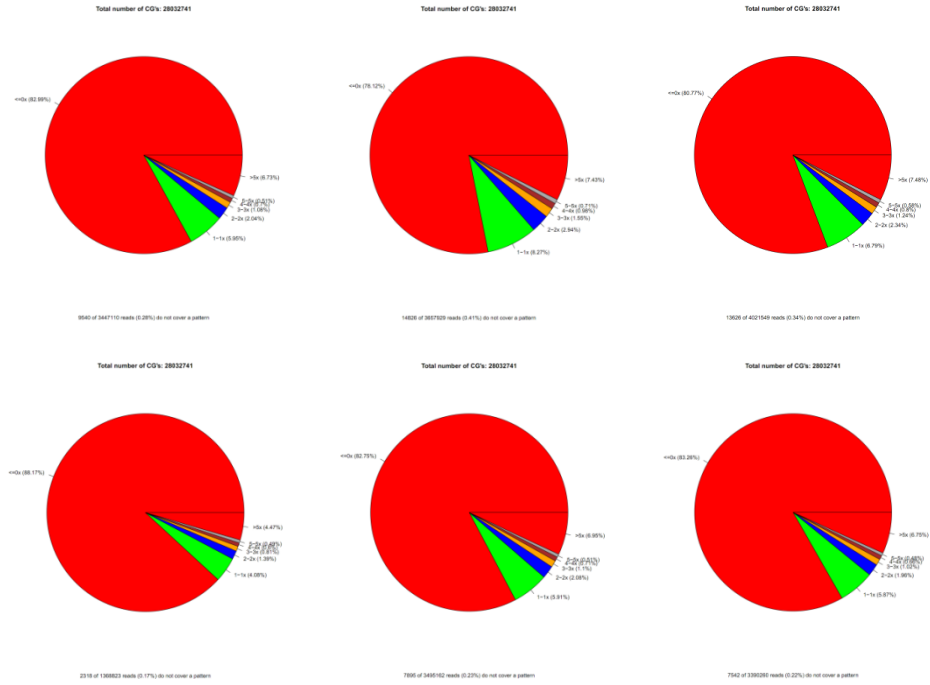


b. Liver

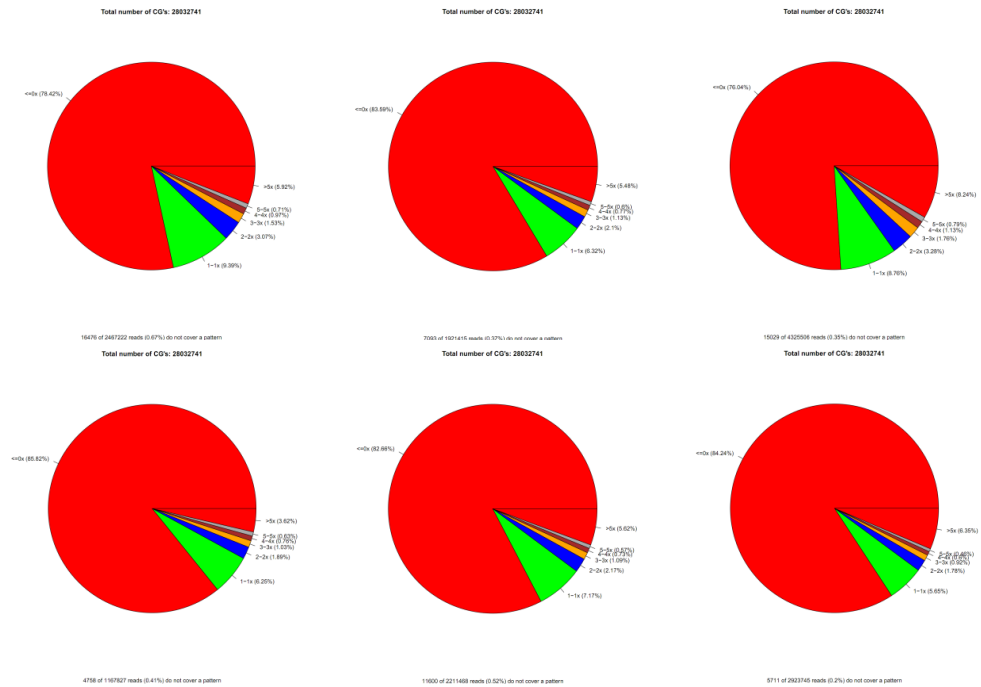


Supplementray Figure 2. CpG coverage pie chart using MEDIPs.

a. Intestine

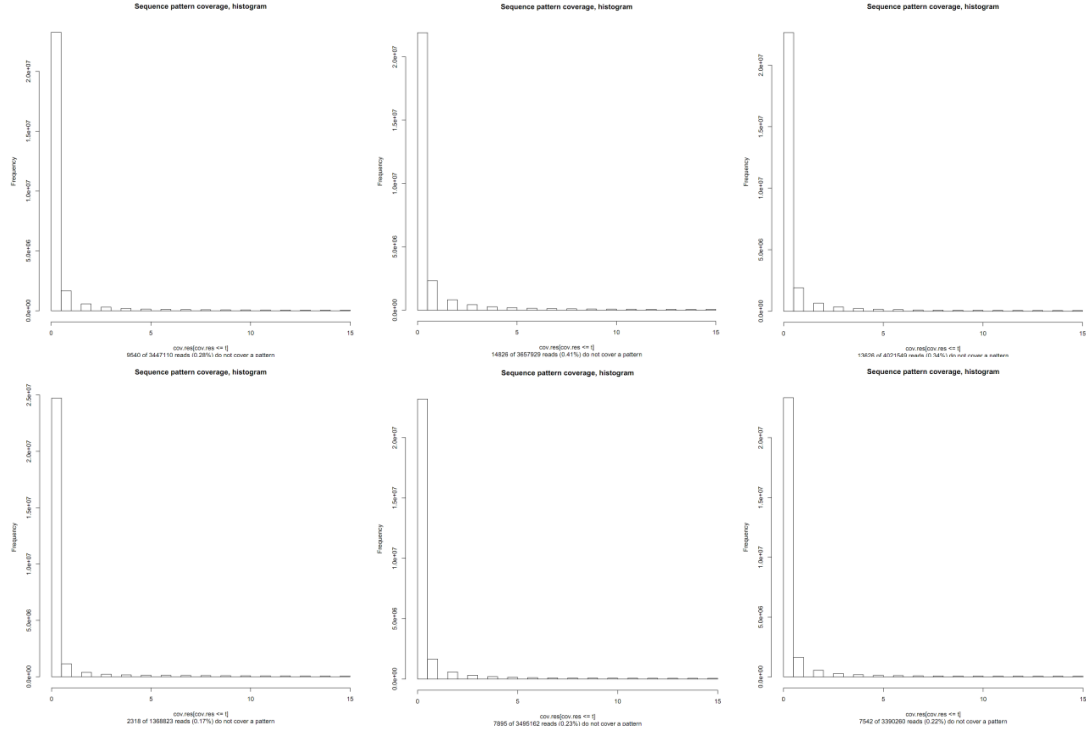


b. Liver

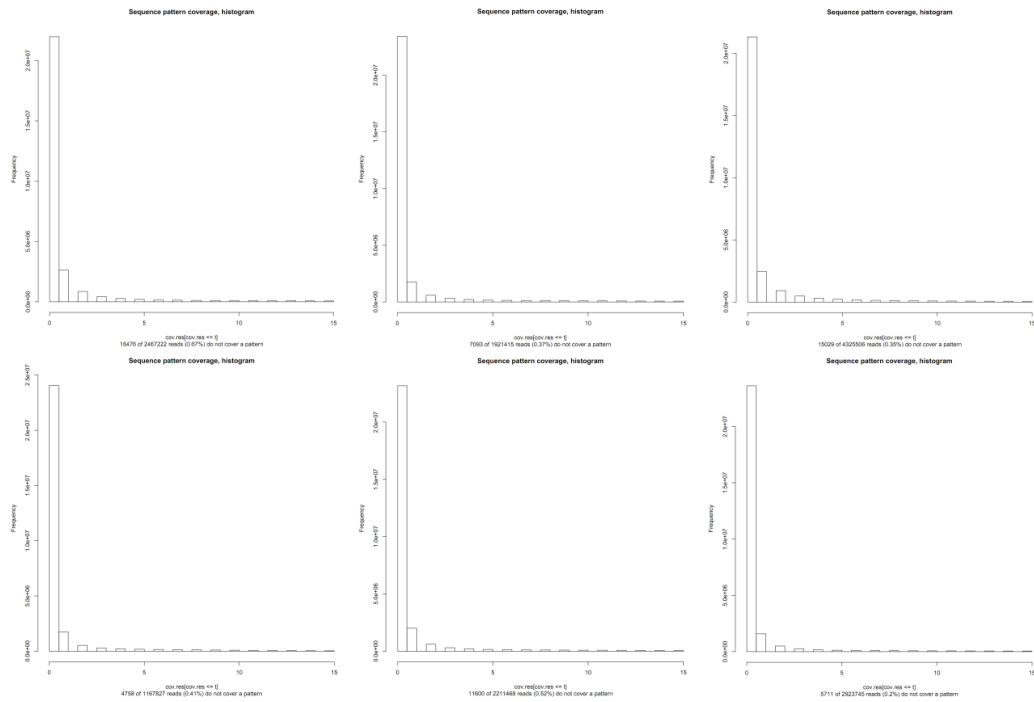


Supplementray Figure 3. CpG coverage histogram using MEDIPs.

a. Intestine



b. Liver



Supplementary Figure 4. Pair-wise correlation plot between all samples used in this analysis.

