

Additional file 1: Datasets used in identification of domestic-animal lncRNAs

Table A - Data used in previous domestic-animal lncRNA research

Organism	Tissue	Number of Samples	Data	Description	Reference
Pig	gonad	2	RNA-seq	2,047 lincRNAs; unpublished	[1]
Chicken	skm	1	RNA-seq	281 lincRNAs; genomic structure unpublished	[2]
Bovine	skin	2	RNA-seq	4,365 lincRNAs; unpublished	[3]
Bovine	-	-	EST	23,060 ncRNAs;	[4]
Bovine	-	-	EST	449 lincRNAs;	[5]

Table B - Summary statistics for all RNA-seq data used in this study

Organism	Number of Samples	Number of Tissues	Tissue
Pig	93	19	Frontal cortex, occipital cortex, heart, spleen, cerebellum, hypothalamus, lung, liver, longissimus dorsi, kidney, abdominal fat, endometrium, sperm cell, colon, small intestine, lymph node, frontal lobe, placenta, testis
Chicken	36	10	Testes, spleen, skm, lung, liver, kidney, heart, colon, brain, ovary
Cow	27	9	Testes, spleen, skm, lung, liver, kidney, heart, colon, brain

Table C - RNA-seq data used in this study

Raw Data	Number of Samples	Tissue	Reference
ERA178851	20	Frontal cortex, occipital cortex, heart, spleen, cerebellum, hypothalamus, lung, liver, longissimus dorsi, kidney	[6]
ERA209456	10	Brain frontal cortex	[7]
SRA109352	10	Hypothalamus	[8]
SRA065859	4	Heart, liver, lung, kidney	[9]
SRA031272	6	Longissimus dorsi muscle, abdominal fat, liver	[10]
SRA065370	8	Endometrium	[11]
SRA092777	4	Sperm cell	[12]
SRA093372	8	Endometrium	[13]

SRA057367	3	Pool of 11 pig tissues (colon, kidney, hypothalamus, spleen, small intestine, lymph node, liver, lung, frontal lobe, cerebellum, placenta), placenta, testis	[14]
SRA066357	20	Liver, testis	[15]
SRA064905	4	Ovary, testis, brain	[16]
SRA059960	53	Testes, spleen, skm, lung, liver, kidney, heart, colon, brain	[17]
SRA059267	5	Brain, liver, kidney, heart, skeletal muscle	[18]

Table D - UniGene datasets used in this study

Organism	Build	#UniGene Entries	Release Date
Sus scrofa (pig)	build #42	50106	Jul 9 2012
Gallus gallus (chicken)	build #46	33850	Sep 26 2012
Bos taurus (cow)	build #101	45364	Jul 9, 2012

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