

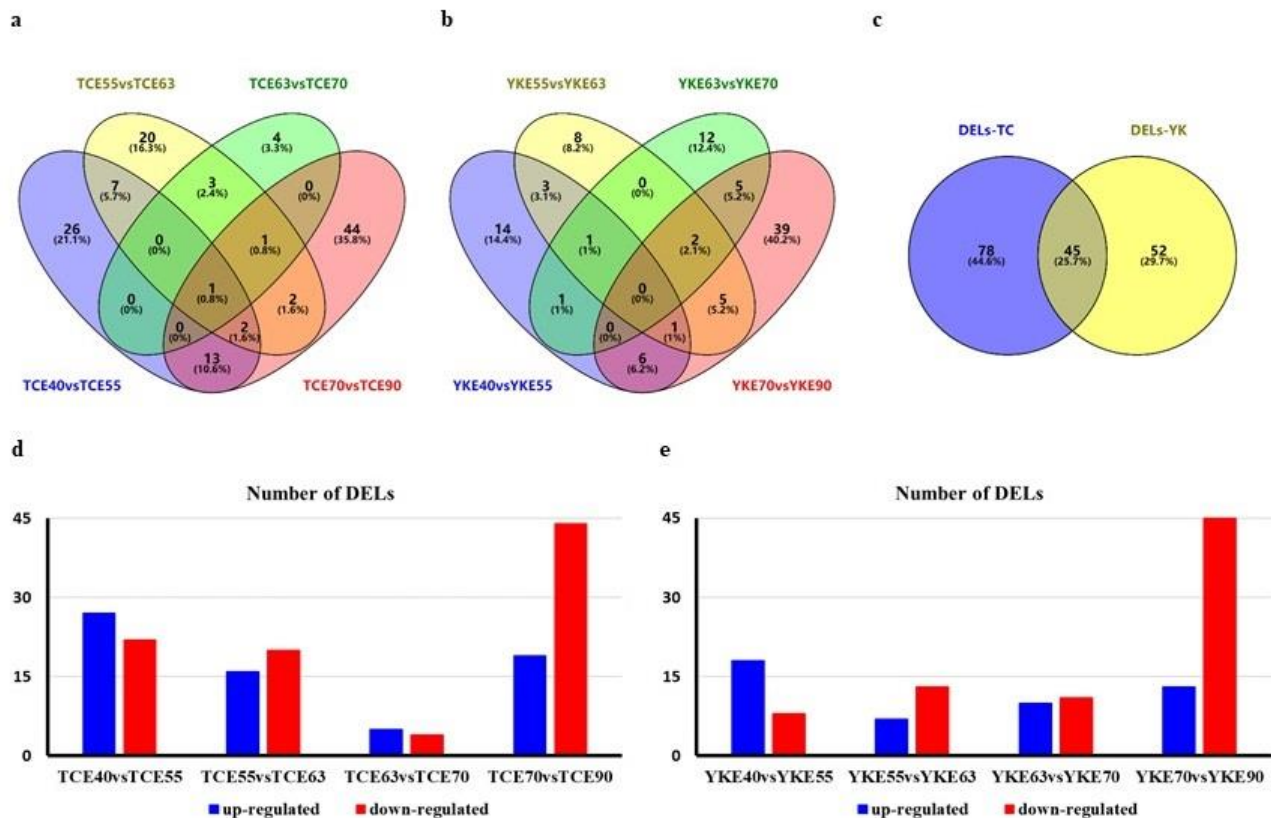
Supplementary Material

Appendix A. The annotation information of candidate lincRNA transcripts.

Appendix B. The cis-target genes of candidate lincRNA transcripts.

Appendix C. The cis-target genes of DELs.

Appendix D. The spearman correlation analysis between lincRNAs and mRNAs.



Appendix E. The amount of DELs at different developmental stages. (a) Venn diagram of DELs at different stages in Tongcheng pig. (b) Venn diagram of DELs at different stages in Yorkshire pig. (c) Venn diagram showing the DELs during Tongcheng pig and Yorkshire pig skeletal muscle development. (d) The number of DELs during skeletal muscle development of Tongcheng pig. (e) The number of DELs during skeletal muscle development of Yorkshire pig.

Appendix F. The source and information of RNA-seq data of the LDM in pig embryo

Breed and Developmental stage	Mapped reads	Accession number
TC-E40	69,686,542	SRR2924898
TC-E55	67,047,718	SRR2924906
TC-E63	72,180,444	SRR2924924
TC-E70	68,622,370	SRR2924926
TC-E90	71,768,080	SRR2924928

YK-E40	69,831,416	SRR2952735
YK-E55	71,291,602	SRR2952736
YK-E63	70,648,660	SRR2952751
YK-E70	71,179,016	SRR2952753
YK-E90	71,931,576	SRR2952765

TC: Tongcheng pig; YK: Yorkshire; E: embryonic

Appendix G. The source and information of RNA-seq data of 8 tissues in pig

Tissue	Mapped reads	Accession number
heart	86,074,870	ERR789444
liver	96,162,502	ERR789446
spleen	71,246,466	ERR789450
lung	76,510,500	ERR789447
kidney	87,442,826	ERR789445
muscle	89,138,180	ERR789449
fat	86,294,616	ERR789443
lymph node	76,739,434	ERR789448

Appendix H. The mean expression among candidate lincRNA genes, known lincRNA genes and protein coding genes.

	Tongcheng pig					Yorkshire pig				
	E40	E55	E63	E70	E90	E40	E55	E63	E70	E90
lincRNA	5.78	3.65	6.21	6.72	8.20	6.14	5.35	6.48	6.70	6.17
lincRNA	3.76	3.96	3.99	4.17	4.05	3.92	3.64	3.88	4.47	4.17
coding	23.90	24.32	23.21	23.56	25.04	22.30	21.47	23.88	22.80	22.16