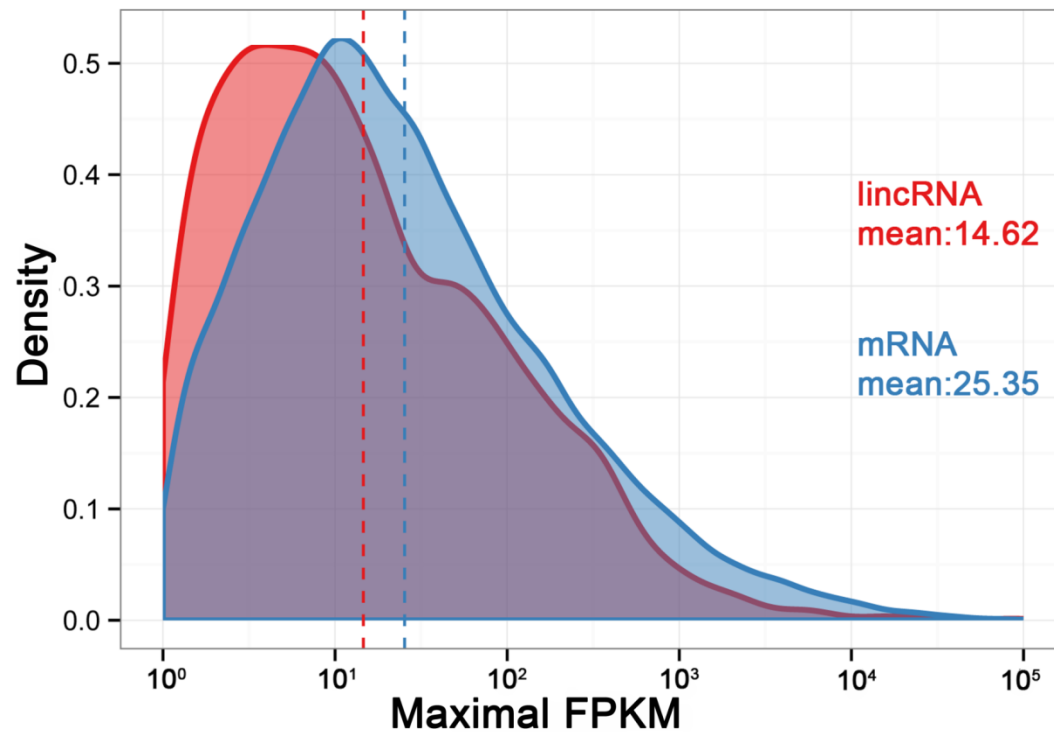


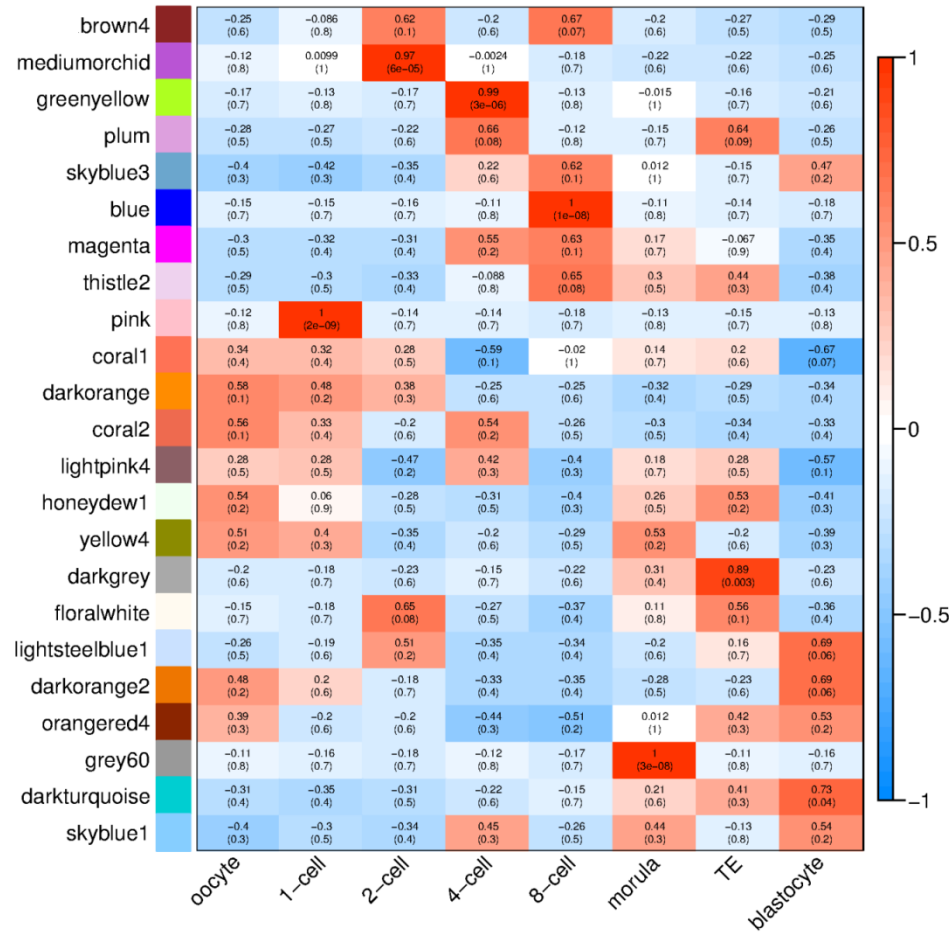
Identification and functional analysis of long intergenic noncoding RNA genes in porcine pre-implantation embryonic development

Jingyu Li¹, Zhengling Gao¹, Xingyu Wang², Hongbo Liu², Yan Zhang^{2*}, Zhonghua Liu^{1*}

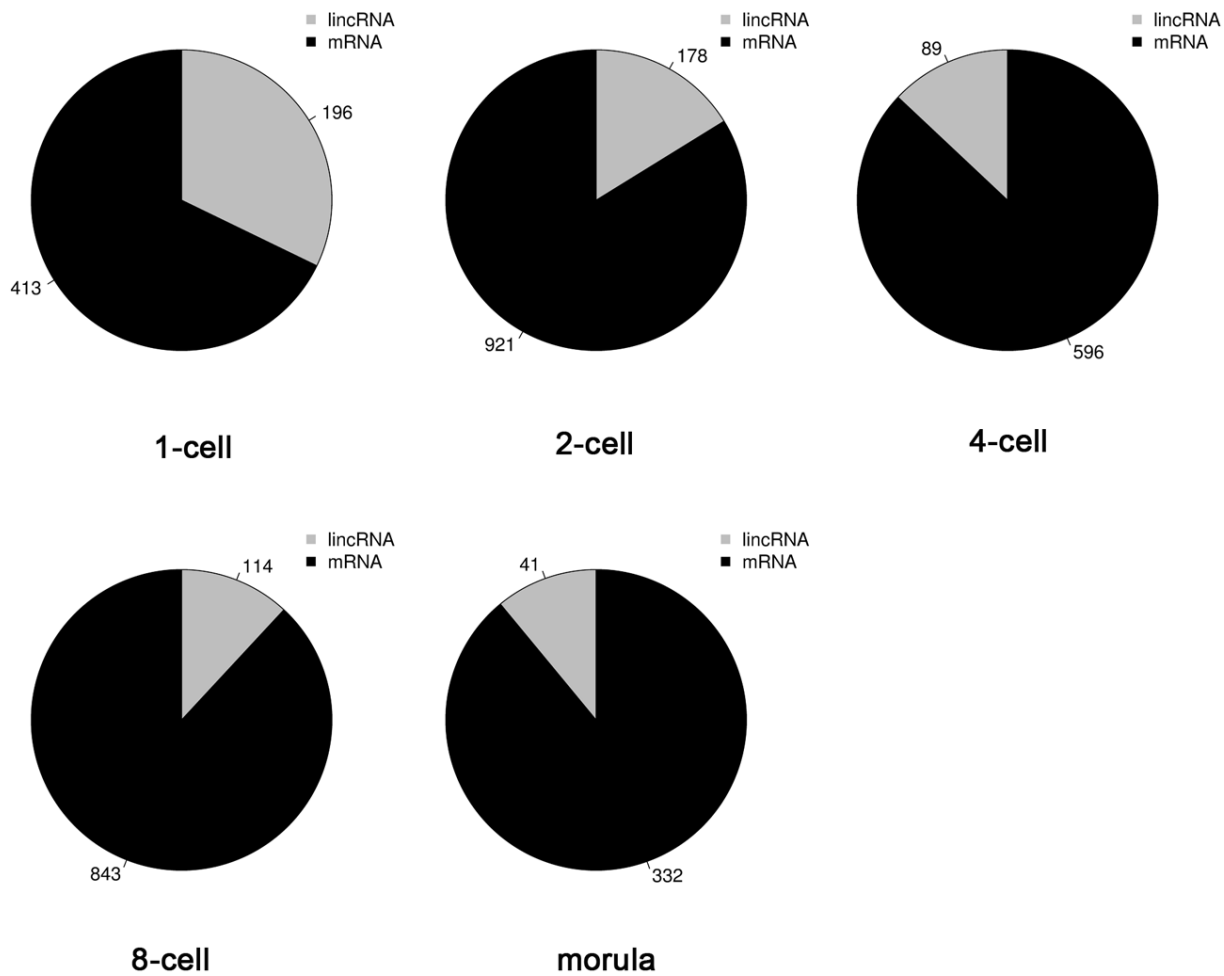


Supplementary Figure S1. Distribution of maximal expression level of lincRNAs and mRNAs across five RNA-seq datasets.

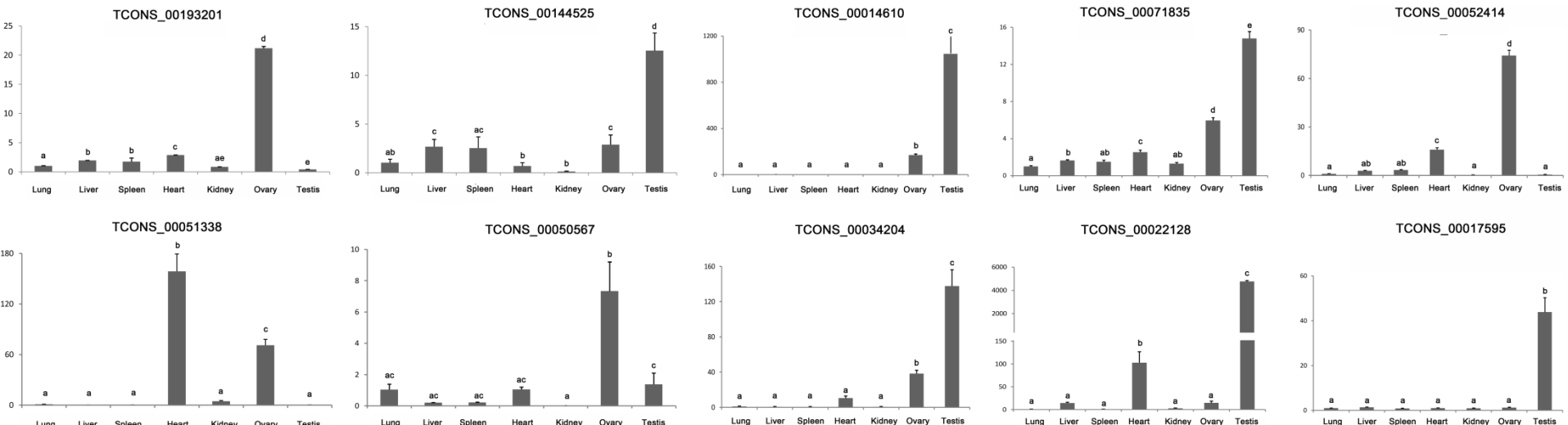
Pig Module–Stage relationships



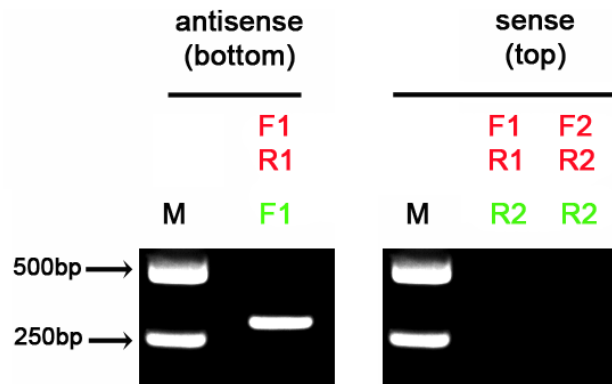
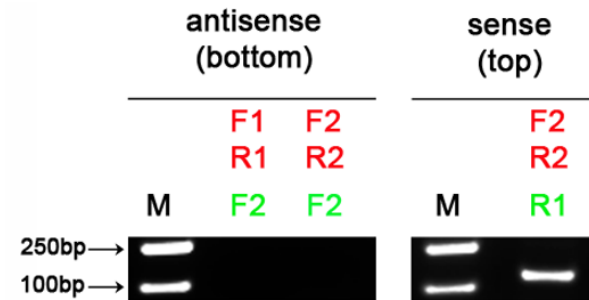
Supplementary Figure S2. Module development stage correlation. Each row corresponds to a module eigengene, column to each development stage. Each cell contains the corresponding correlation and *p*-value. The table is color-coded by correlation according to the color legend.



Supplementary Figure S3. The ratio of mRNAs and lincRNAs in module.



Supplementary Figure S4. The expression of eight hub lincRNAs from 4-cell stage-specific module in porcine different tissues. Results are presented as mean values \pm SEM. Different letters indicate significant differences ($p < 0.05$).

A**TCONS_00166370****B****TCONS_00020255**

Supplementary Figure S5. SSRT-PCR result of *TCONS_00166370* and *TCONS_00020255*. It shows that *TCONS_00166370* is transcribed from the bottom strand, and *TCONS_00020255* are the from the top strand.