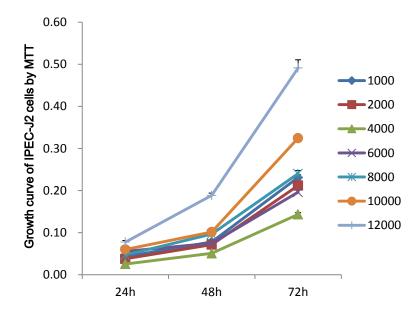
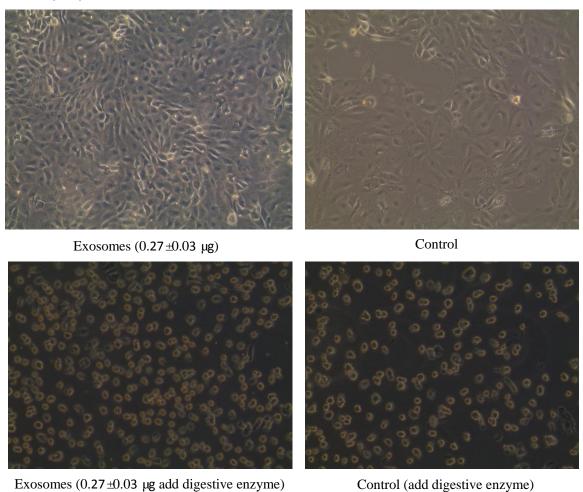
Porcine milk-derived exosomes promote proliferation of intestinal epithelial cells

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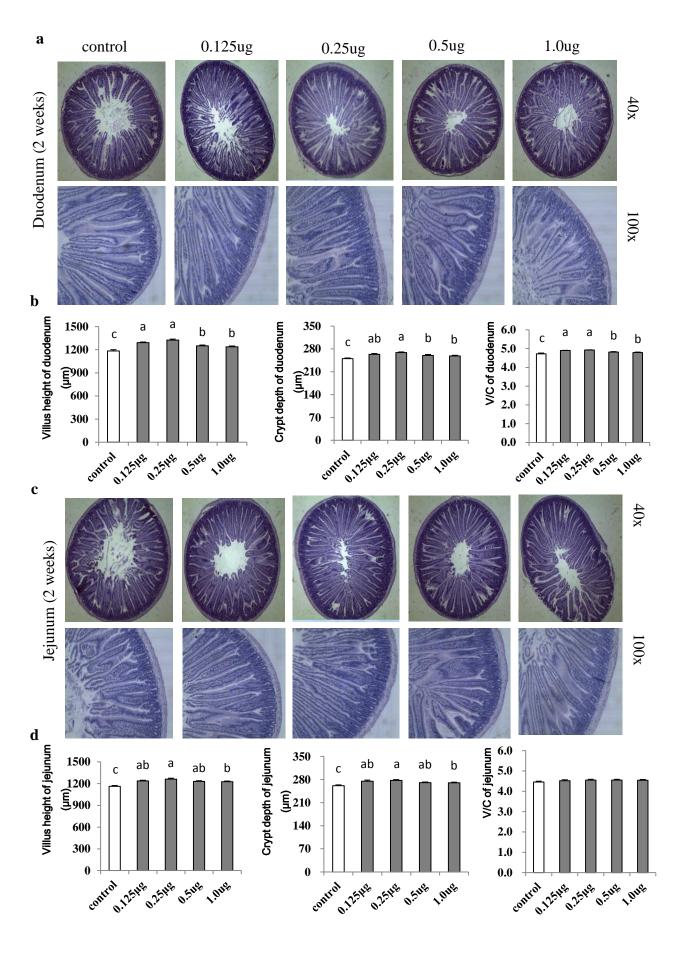


Supplementary Figure 1. Growth curve of IPEC-J2 cells by MTT assay. The OD value of 4,000–12,000 cells per/well displayed a good linear correlation at 48 h to 72 h after seeding (n=10).

100*(48h)



Supplementary Figure 2. Microscopy examination of IPEC-J2 cell proliferation (27 \pm 3 ng total RNA treatment group, 48 h). The number of IPEC-J2 cells was greater than the control group after treatment for 48 h with 55 \pm 5 ng porcine milk exosome RNA.



Supplementary Figure 3. Intestinal histomorphology observation and analysis (2 weeks). (a) The 0.125 μ g, 0.25 μ g, 0.5 μ g and 0.1 μ g treatment groups showed improved villus height and crypt depth compared with the control group by microscopy observation of the duodenum morphology (n = 6). (b) Statistical analysis of the villus height, crypt depth and V/C ratio showed significant improvement in different treatment groups (duodenum, P < 0.05, n = 30). (c) The 0.125 μ g, 0.25 μ g, 0.5 μ g and 0.1 μ g treatment groups showed improved villus height and crypt depth compared with the control group by microscopy observation of the jejunum morphology (n = 6). (d) Statistical analysis of all treatment groups showed significantly increased villus height and crypt depth, but the V/C ratio was not significantly changed (jejunum, n = 30).