



Perspectives of pluripotent stem cells in livestock



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Mar 26, 2015 · Subsequently, the core reprogramming factors have been successfully used to derive **pluripotent cells** in various other species, including rhesus monkey[], rat[], pig[], dog[], **cattle**[], horse[], sheep[], goat[] and buffalo[]. A summary of the generation of iPS **cells** from different species of **livestock** is enumerated in Table Table1. 1. Importantly, iPS **cells** could be ...

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Non Technical Summary The establishment of pluripotent stem cells from species other than rodents and primates, including **domesticated ungulates**, such as the **pig, sheep, goat, cow, or horse**, is of **great interest both from the agricultural perspective and for biomedical applications**. For example, large animal models are likely to provide models of human genetic ...

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Pluripotent Stem Cell Transplantation Embryonic stem (ES) cells are **pluripotent** and can differentiate into hepatocyte-like cells. They **demonstrate mature hepatocyte-like properties**<sup>31</sup>. **ES cell-derived**



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