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In this issue

Research Article

Open Access Research Article PTZAID:IJVSR-4-132

Mesenchymal stem cells from the domestic ungulates: trends and outliers

Published On: December 21, 2018 | Pages: 023 - 031

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Mesenchymal stem cells (MSCs) are a valuable source for regenerative therapy and tissue engineering. MSCs are multipotent adherent stem cells that can be isolated from different adult and fetal tissues. In contrast to human MSCs, MSCs from large animal models have not yet been described by the uniform criteria, which include the characteristic phenotype of surface mol ...

Abstract View Full Article View DOI: 10.17352/ijvsr.000032

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Research progress of gene editing technology CRISPR/Cas9 system in animal gene editing

Published On: July 23, 2018 | Pages: 015 - 019

Author(s): Feng Fan, Kang Mengna, Zhu Xiaolan, Cao Weiping, Liu Yueqin, Chen Qi, Lin Fangfang, Qianfu Yanwen and Xu Wenlina*

Gene editing technology, from the beginning of RNA interference (RNAi) technology to efficient developed enzyme technology, has been widely used in recent years. These efficient enzyme technologies include zinc finger nuclease (ZFN) technology, transcriptional activation-like effector nuclease (TALENs) technology, and clustered regularly interspaced short palindromic ...

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Structural characteristics of the control region of the Beaufortia kweichowensis mitochondrial genome

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Author(s): Gang Wang, Gui-Hong Chen, Yu Luo and Zheng-Yong Wen*

In present study, we identified the structural characteristics of the Beaufortia kweichowensis mtDNA control region using the next-generation sequencing method. Result showed that the control region could be further divided into three parts, including the extended termination associated sequence domain (ETAS), the central conserved domains (CSB-F, CSB-E, CSB-D) and th ...

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Mini Review

Open Access Mini Review PTZAID:IJVSR-4-131

Staphylococcus aureus: A brief review

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Staphylococcus aureus, also known as “golden staph”, is a gram-positive coccus belonging to the class Bacilli, order Bacillales, family Staphylococcaceae and genus Staphylococcus [1]. It is a facultative anaerobe often positive for catalase and nitrate reduction and is coagulase variable i.e. maybe cogulase positive or negative [2]. The bacterium is non-motile, non-sp ...

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