Appendix A  Bovine mGSCs were purified by magnetic activated cell sorting (MACS) using THY1 antibody.  
(A) Microscopic picture presenting the morphology of THY1-positive cells and THY1-negative cells in single cell suspension. Bar =100 μm.  (B) Immunofluorescence imaging of purified THY1-positive cells and THY1-negative cells. The expression of GFRA1 in THY1-positive mGSCs and THY1-negative cells were displayed by immunofluorescence staining. Bar=400 μm.  (C) Different expression levels of mGSCs marker genes in purified THY1-positive cells and THY1-negative testicular cells. The expression levels of THY1 and PLZF were higher in THY1-positive cells than in THY1-negative cells, whereas DZAL was opposite by qRT-PCR analysis (*P <0.05; **P < 0.01; ***P < 0.001).
Appendix B CDy1 staining assay. (A) CDy1 staining of SSC-like clones. (B) CDy1 staining of THY1-positive cells and THY1-negative cells (Red), Hoechst 33342 (Blue), Bar=200 μm.

Appendix C Cell transplantation assay. (A) One testis was injected with Trypan blue staining the cell line (left) and the other one injected with PBS (right). (B) The difference of recipient mice testis with transplantation and control after two months.