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(54) Title: METHODS AND COMPOSITIONS FOR GENERATING OR MAINTAINING PLURIPOTENT CELLS

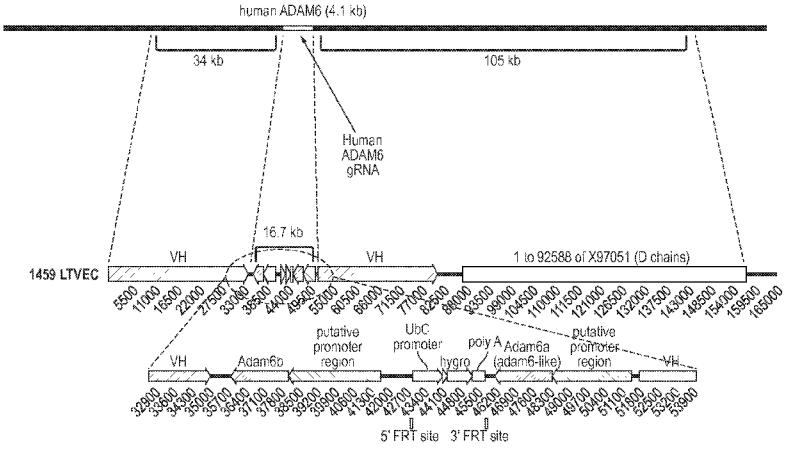



FIG. 1

(57) Abstract: Methods and compositions are provided for generating or maintaining human iPS cells in culture. Methods include the use of a low osmolality medium to make human iPS cells, or use of a low osmolality medium to maintain human iPS cells. Methods for making targeted genetic modification to human iPS cells cultured in low osmolality medium are also included. Compositions include human iPS cells cultured and maintained using the low osmolality medium defined herein.

WO 2016/061374 A1