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(54) Title: GENE THERAPY VECTORS AND CYTOSINE DEAMINASES

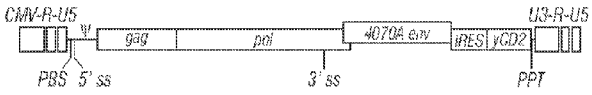


FIGURE 1A

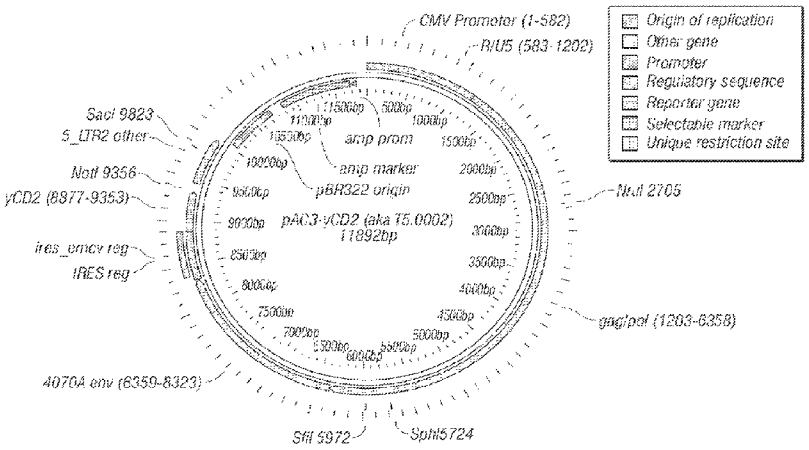


FIGURE 1B

(57) Abstract: This disclosure provides modified cytosine deaminases (CDs). The disclosure further relates to cells and vector expressing or comprising such modified CDs and methods of using such modified CDs in the treatment of disease and disorders.

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