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(54) Title: TCRS SPECIFIC FOR MINOR HISTOCOMPATIBILITY (H) ANTIGEN HA-1 AND USES THEREOF

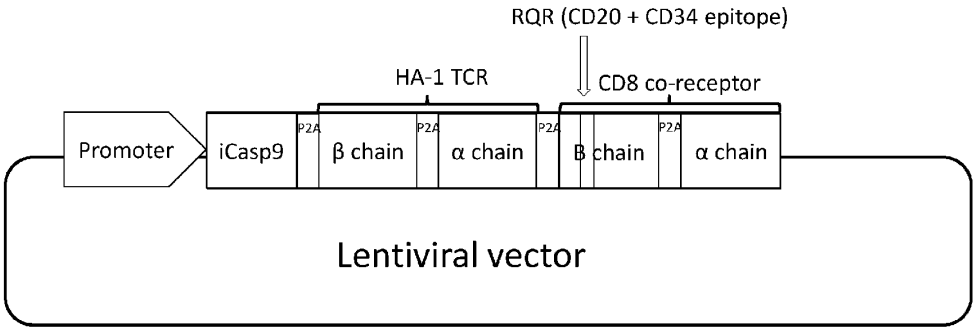


FIG. 30

(57) Abstract: The present disclosure provides compositions and methods for targeting a minor histocompatibility (H) antigen (HA-1H?) to, for example, prevent or manage relapse of a hematological malignancy after allogeneic hematopoietic stem cell transplantation (HCT). Also provided are transgene constructs encoding engineered binding proteins, such as a T cell receptor or a chimeric antigen receptor, optionally encoding additional components such as a co-receptor and/or safety switch. Such transgene constructs can be transduced into an immune cell, such as a T cell, and used as an immunotherapy in a subject having a hematological malignancy or at risk for recurrence of the hematological malignancy (e.g., leukemia, lymphoma, myeloma).

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