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(54) Title: CRISPR/CAS-RELATED METHODS AND COMPOSITIONS FOR IMPROVING TRANSPLANTATION

(57) Abstract: Disclosed herein are compositions and methods for increasing the immunocompatibility of donor cells (e.g., HSCs or T-cells) for transplantation to a recipient subject, as well as database schemes for use in the methods. The methods and compositions described herein result in the allele-specific modification of one or more immunogenicity genes (e.g., an HLA gene) of a cell, resulting in cells that are suitable for transplantation into a recipient subject.



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