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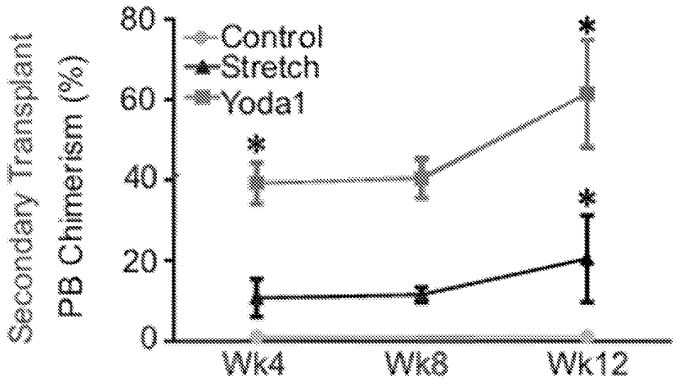
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(54) **Title:** METHODS FOR GENERATING HEMATOPOIETIC STEM CELLS



(57) **Abstract:** In some aspects and embodiments, the invention provides methods for making hematopoietic stem cells, including for HSCT. The method comprises providing a cell population comprising hemogenic endothelial (HE) or endothelial cells, and increasing activity or expression of DNA (cytosine-5-)-methyltransferase 3 beta (Dnmt3b) and/or GTPase IMAP Family Member 6 (Gimap6) in the HE and/or endothelial cells under conditions sufficient for stimulating formation of HSCs.

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