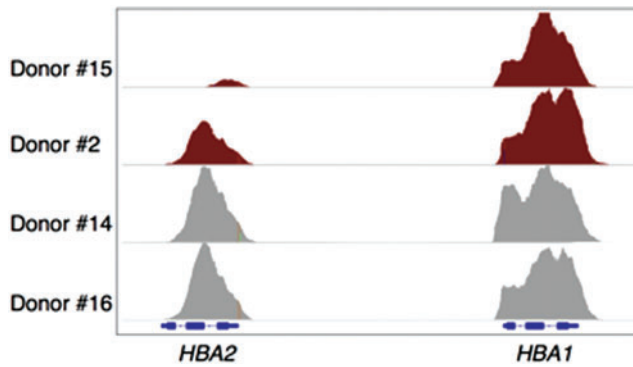


## Supplementary Data



**SUPPLEMENTARY FIG. S1.** Visualization of NGS read counts over the alpha globin locus for four donors. IGV (Thorvaldsdóttir *et al.*, 2013) plots of sequence data are shown for two donors reported as alpha-thalassemia carriers (Nos. 15 and 2) and two donors reported as noncarriers (Nos. 14 and 16) by GSG. Each plot is calibrated according to maximum read counts over the *HBA1* gene. Visual inspection indicates a reduction in genomic copies of the *HBA2* gene for GSG-reported carriers and not for noncarriers. GSG, Good Start Genetics; IGV, Integrative Genomics Viewer; NGS, next-generation sequencing.