

PROTOCOL: WHOLE GENOME BISULFITE SEQUENCING

1. Measure DNA from sorted alpha and beta cells, acquired using Qiagen All-Prep kit, using Qubit.
2. Use 150 ng DNA and prepare sequencing library using NuGEN's Ovation Ultralow Methyl-Seq Library System according to manufacturer's protocol, including using Agencourt beads and Qiagen's EpiTect Fast DNA Bisulfite kit for bisulfite conversion.
3. Sequence library using Illumina HiSeq 4000, 75pe