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(54) Title: SITE-SPECIFIC NUCLEASE SINGLE-CELL ASSAY TARGETING GENE REGULATORY ELEMENTS TO SILENCE GENE EXPRESSION

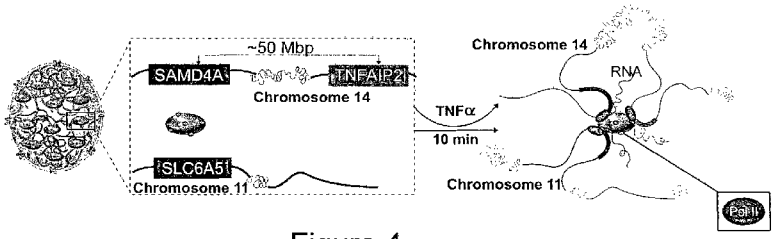


Figure 4

(57) Abstract: This invention relates to a single cell assay for determining the effect of chromosomal contact on the transcriptional activity of genes of interest in a cell and to methods of silencing gene expression in a cell by way of perturbing gene regulatory elements which are engaged in chromosomal contact.