

**Figure S1. Activating exogenous genes through dCas9-VPR system in mESCs and MEFs**

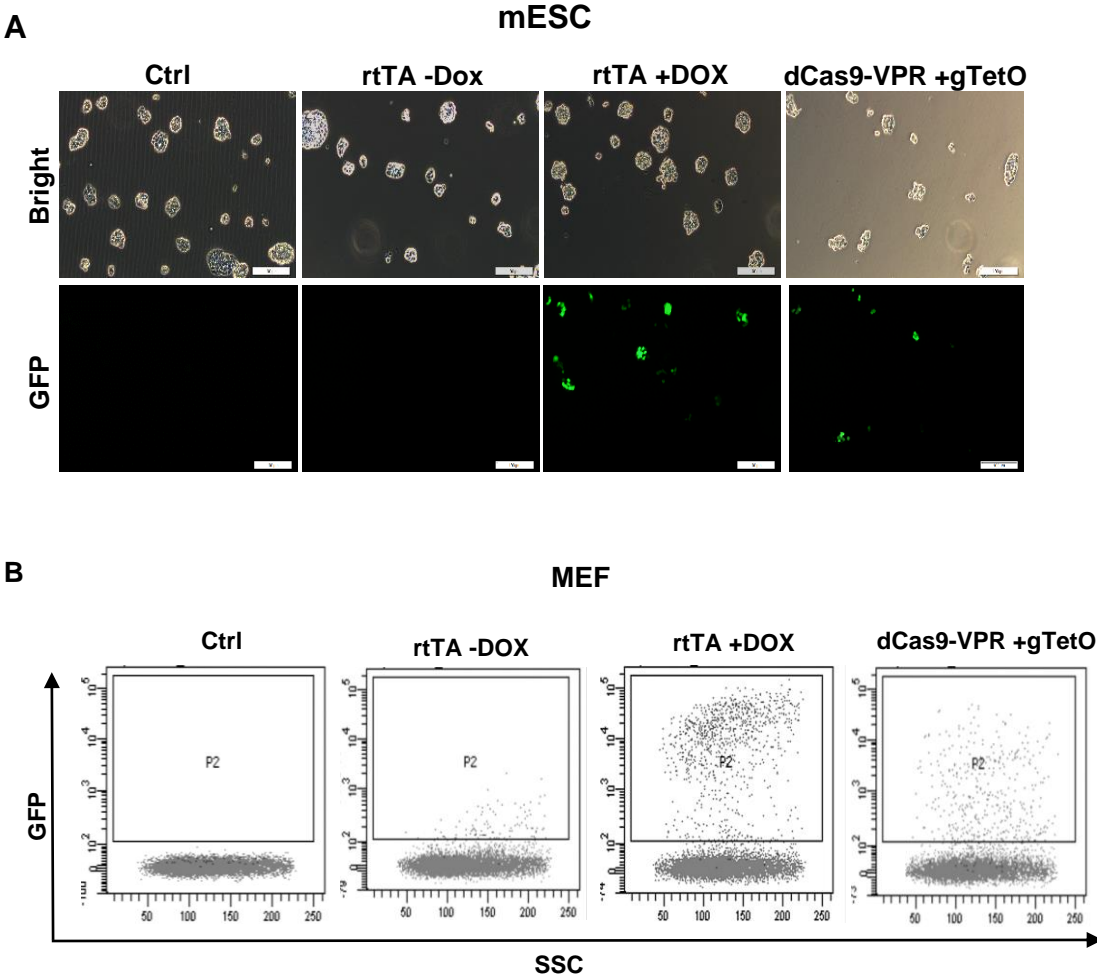


Figure S2. Characterization of iVPR hESC clones

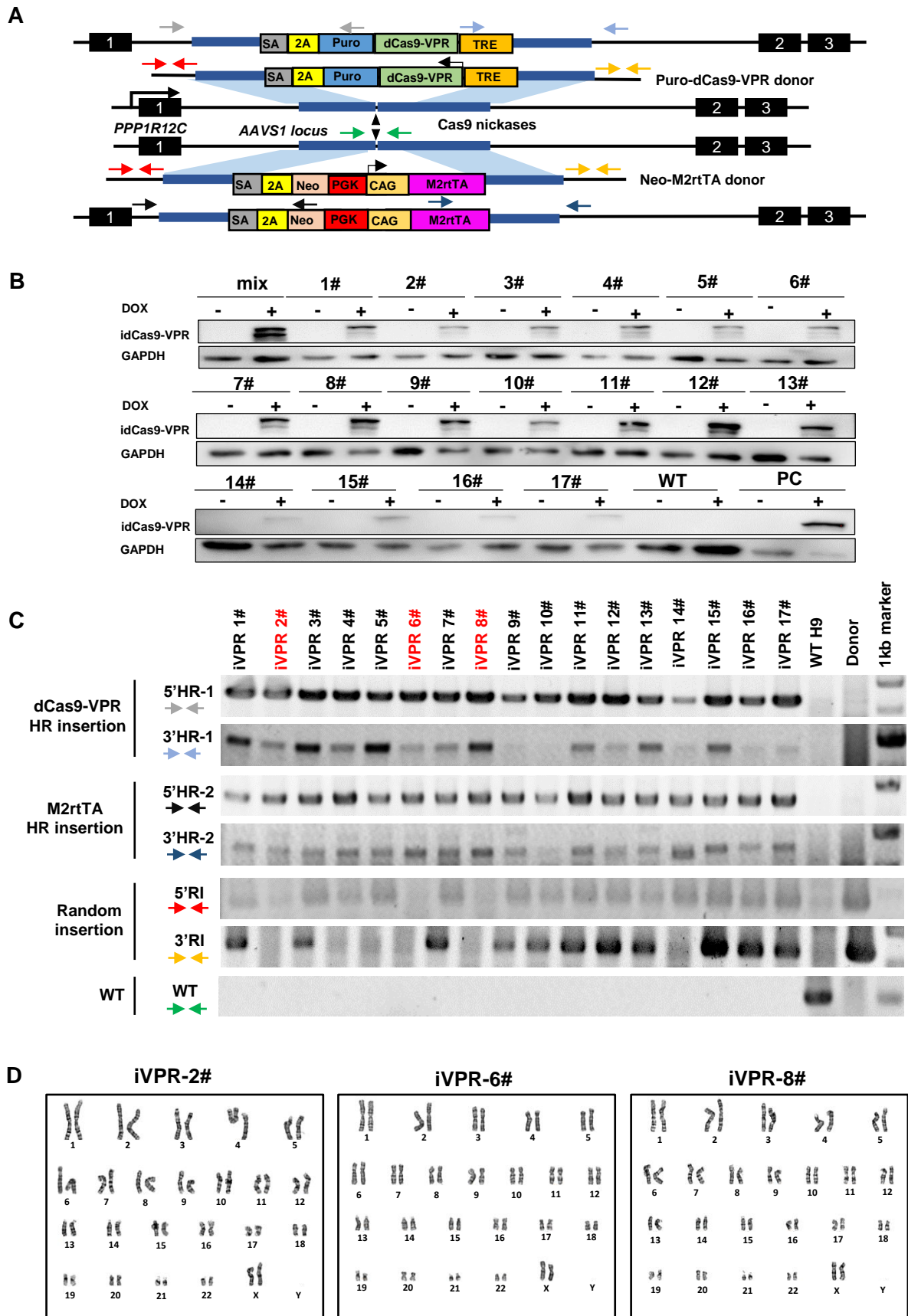
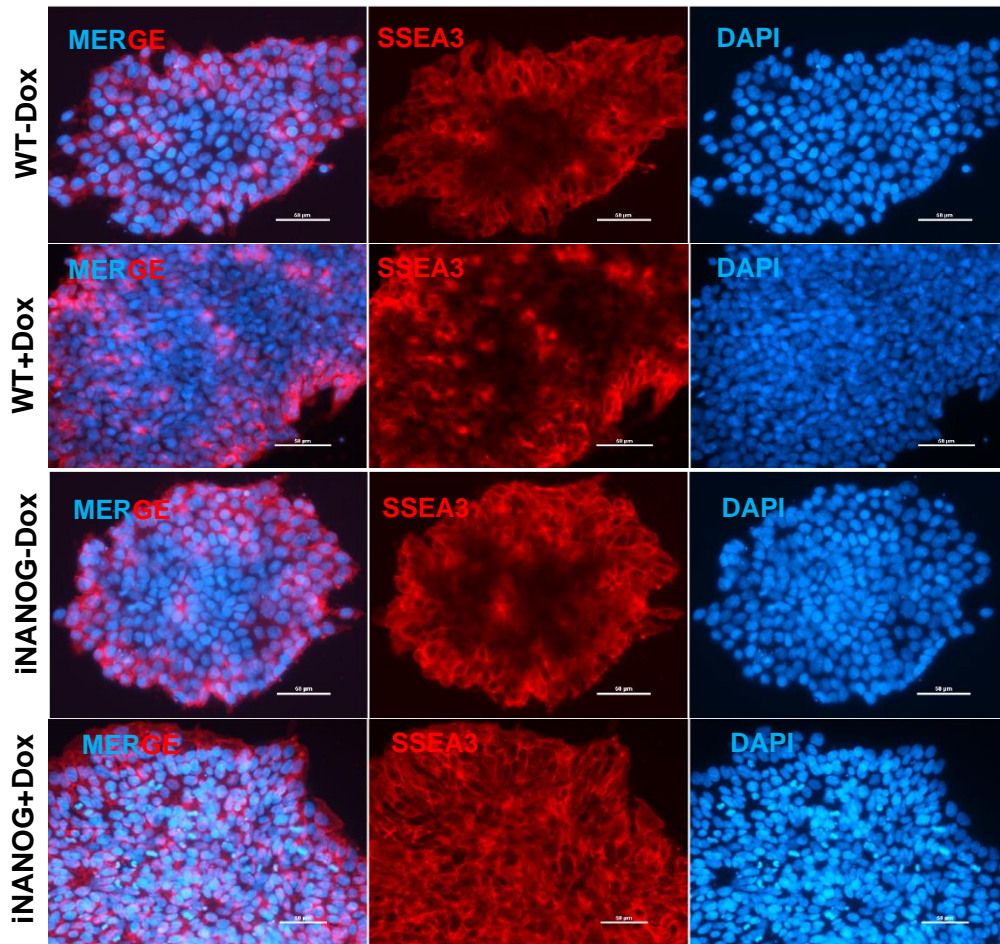


Figure S3. Upregulation of *NANOG* by dCas9-VPR promoted naïve state of pluripotency



**Figure S4. Analysis of iNANOG cells integration in mouse blastocysts**

