

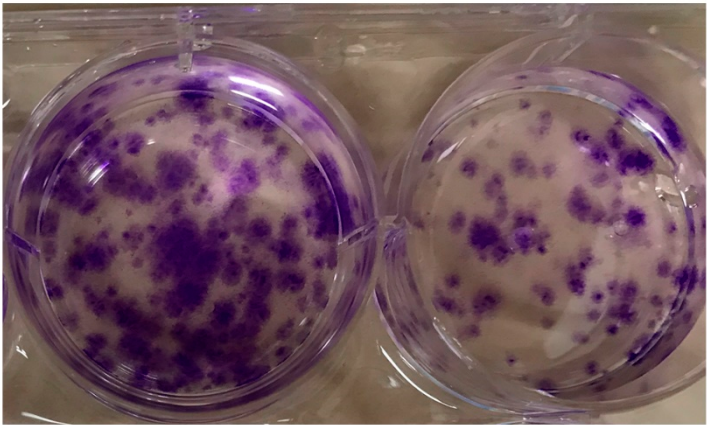
Table S1: Calculated fold change values of mesenchymal stem cell genes in hASCs compared to expression levels ASC52telo.

MSCs	THY 1	CD-105	CD-73	SOX2	OCT4	NANOG
hASC	2.65 ± 0.09	2.12 ± 0.07	1.88 ± 0.05	0.76 ± 0.05	0.84 ± 0.07	2.21 ± 0.05
ASC52telo	2.59 ± 0.056	2.00 ± 0.08	1.89 ± 0.068	0.74 ± 0.064	0.8 ± 0.06	2.195 ± 0.05

Table S2: Calculated fold change values of SOX2 OCT4 and NANOG after NANOG knockdown (** p<0.01)

MSCs	MESENCHYMAL STEM CELL MARKERS		
	NANOG	SOX 2	OCT4
hASC negative Sh NANOG	0.89 ± 0.05	0.77 ± 0.05	0.81 ± 0.47
hASC Sh NANOG	0.28 ± 0.09	0.32 ± 0.21	0.4 ± 0.33

Figure S1: colony-forming assays showing NANOG downregulation impaired clonogenic potential of hASCs



hASC negative Sh NANOG NANOG downregulated

Figure S2: Representative hASC cell cycle distribution as a result of NANOG downregulation

