

Supplementary information, Table S1

Eight ESC lines were recovered from a total of 141 irradiated recipients that were transplanted with the Oct4-driven GFP⁺ ESCs. Tumor formation rate was 28-29% in the irradiated hosts and 7.5% in the unirradiated hosts.

	Irradiated group		Unirradiated group	
	oGFP ⁺ ESCs	aGFP ⁺ ESCs	oGFP ⁺ ESCs	aGFP ⁺ ESCs
Total number of recipients	141	103	64	53
Intra-tibia cells	1 × 10⁶	1 × 10⁶	5 × 10⁶	5 × 10⁶
Sorted GFP⁺ cells after transplantation	2.7 × 10⁵ (D5)	2.5 × 10⁵ (D5)	2.6 × 10⁵ (D5)	2.8 × 10⁵ (D5)
	2.2 × 10⁵ (D10)	3.7 × 10⁵ (D10)	6.5 × 10⁴ (D10)	2.4 × 10⁵ (D10)
	4.3 × 10⁴ (D15)	7.0 × 10⁵ (D15)	5.0 × 10³ (D15)	1.7 × 10⁵ (D15)
	1.0 × 10⁴ (D20)	3.1 × 10⁵ (D56)		3.1 × 10⁴ (D62)
	9.5 × 10³ (D25)	2.6 × 10⁵ (D71)		
Recovered cell lines	3 cell lines (D5) 1 cell line (D10) 2 cell lines (D12) 1 cell line (D15) 1 cell line (D23)	0	0	0
Tumor numbers (%)	40 (28.4%)	30 (29.1%)	0	4 (7.5%)