

**Table S1. LIF-independent culture of *Nanog*-expressing ESCs**

Long-term LIF withdrawal	Standard passage	Longest passage without LIF
ESC	None	P6*
Control	None	P7*
Nanog	1:5-1:10	P42
Nanog $\Delta$ WR	None	P9*
Nanog::ZIP	1:5	P32
Nanog::FKBPv	1:5	P30
Nanog::FKBPv + 10 nM AP20187	1:5	P37
NANOG	1:5	P39
axNanog	None	P8*
axNanog::mWR	1:5	P29
axNanog::ZIP	1:5	P31
axNanog::FKBPv	1:5	P38
axNanog::FKBPv + 10 nM AP20187	1:5	P38

Details are shown of the passaging dilution and continuity of ESCs expressing *Nanog* cultured long-term without LIF.

\*Failure to passage after this point due to a lack of self-renewal.