

S3 Table. Cell lines and conditions for gene expression profiling.

| Cell name described in Figure 3 | Cell type | Inducible gene | Concentration of DOX ($\mu\text{g/ml}$) |
|---------------------------------|-----------|----------------|---|
| hPSCs | KhES1 | FLAG-SS18-SSX2 | 0 |
| | 414C2 | FLAG-SS18-SSX2 | 0 |
| hPSCs with SS18-SSX2 | KhES1 | FLAG-SS18-SSX2 | 0.03 |
| | 414C2 | FLAG-SS18-SSX2 | 0.03 |
| hPSC-NCCs | KhES1-NCC | Stuffer | 0.3 |
| | 414C2-NCC | Stuffer | 0.3 |
| hPSC-NCCs with SS18-SSX2 | KhES1-NCC | FLAG-SS18-SSX2 | 0.3 |
| | 414C2-NCC | FLAG-SS18-SSX2 | 0.3 |
| hPSC-MSCs | KhES1-MSC | Stuffer | 0.3 |
| | 414C2-MSC | Stuffer | 0.3 |
| hPSC-MSCs with SS18-SSX2 | KhES1-MSC | FLAG-SS18-SSX2 | 0.3 |
| | 414C2-MSC | FLAG-SS18-SSX2 | 0.3 |
| SS cell lines | SYO-1 | None | - |
| | 1273-99 | None | - |
| | Fuji | None | - |

N=1 for each sample.