

Table S2 Comparison of the TAD borders called at the *PAX3* and *FOXO1* human loci.

Cell type / Tissue *	TAD border upstream <i>hPAX3</i>	Distance between <i>hPAX3</i> borders (kb) [†]	TAD border downstream <i>hFOXO1</i>	Distance between <i>hFOXO1</i> borders (kb) [†]
RMS	chr2:223491756-223531756		chr13:40242000-40282000	
Fully differentiated cells				
GM12878	chr2:223520000-223560000	27.4	chr13:40200000-40240000	29.9
IMR90	chr2:223440000-223480000	52.6	chr13:40280000-40320000	50.1
ESC/ESC derived cell lines				
H1	chr2:223520000-223560000	27.4	chr13:40280000-40320000	50.1
MES	chr2:223520000-223560000	27.4	chr13:40280000-40320000	50.1
MSC	chr2:223520000-223560000	27.4	chr13:40240000-40280000	10.1
NPC	chr2:223560000-223600000	67.4	chr13:40240000-40280000	10.1
TRO	chr2:223520000-223560000	27.4	chr13:40200000-40240000	29.9
Adult tissues				
AD	chr2:223520000-223560000	27.4	chr13:40280000-40320000	50.1
AO	chr2:223440000-223480000	52.6	chr13:40200000-40240000	29.9
BL	chr2:223480000-223520000	12.6	chr13:40160000-40200000	69.9
CO	chr2:223440000-223480000	52.6	chr13:40240000-40280000	10.1
HC	chr2:223480000-223520000	12.6	chr13:40240000-40280000	10.1
LI	chr2:223480000-223520000	12.6	chr13:40200000-40240000	29.9
LG	chr2:223480000-223520000	12.6	chr13:40240000-40280000	10.1
LV	chr2:223480000-223520000	12.6	chr13:40240000-40280000	10.1
OV	chr2:223480000-223520000	12.6	chr13:40160000-40200000	69.9
PA	chr2:223440000-223480000	52.6	chr13:40200000-40240000	29.9
PO	chr2:223440000-223480000	52.6	chr13:40240000-40280000	10.1
RV	chr2:223480000-223520000	12.6	chr13:40240000-40280000	10.1
SB	chr2:223960000-224000000	467.4	chr13:40280000-40320000	50.1
SX	chr2:223920000-223960000	427.4	chr13:40240000-40280000	10.1

This table compares the borders identified in this study with respect to those defined in a panel of 21 different cell types and tissues (30). Overlapping borders (within the +/-20 kb resolution range) are highlighted in bold lettering.

(*) Cell type / Tissue: RMS, rhabdomyosarcoma cell line; GM12878, lymphoblastoid cell line; IMR90, fetal lung fibroblast cell line; H1, embryonic stem cell line; MES, ESC derived mesendoderm cell line; MSC, ESC derived mesenchymal stem cells; NPC, neural progenitor cells; TRO, trophoblast-like cells; AD, adrenal gland; AO, aorta; BL, bladder; CO, prefrontal cortex; HC, hippocampus; LI, liver; LG, lung; LV, left ventricle; OV, ovary; PA, pancreas; PO, psoas muscle; RV, right ventricle; SB, small bowel; SX, spleen.

(†) Distance between the centers of the ranges that define these TAD borders in human RMS (this paper) and the cell types and tissues analysed by Schmitt and colleagues (30).