

**S2 Table.** Quantification of double positive CT3-CTCF nuclei in E9.5 mutant hearts

<b><i>Ctcf</i><sup>f/f</sup>;<i>Nkx2.5-Cre</i> E9.5</b>		
<b>sample*</b>	<b>nuclei</b>	<b>CTCF + #</b>
1	684	302
1	661	455
1	635	349
1	630	396
1	593	171
2	550	245
2	559	283
2	560	433
2	538	133
2	427	217
3	515	111
3	515	116
3	558	271
3	523	199
3	505	238
<b><i>total</i></b>	<b>8453</b>	<b>3919</b>

\* sample refers to independent embryos from which 5 sections were quantified

# only CT3 positive nuclei were scored for CTCF

(in control embryos, all CT3 positive cells are also CTCF positive)