**Text S2. Assessment of *in-situ* Hi-C data reproducibility**

In order to assess reproducibility of our *in situ* Hi-C replicates, we calculated the Pearson’s r between Hi-C maps as a function of distance, as described in [8]. Our data remained highly correlated at all resolutions tested (see Fig. S15B for correlation as a function of the distance). To do this, we utilized a MATLAB script, which can be found here <https://www.dropbox.com/s/f8qezt6ny5v6yml/plt_correlation_distance.py?dl=0>