

**Table S2.** Number of cohesin-depleted cells at various values of the folding coordinate.

Folding coordinate	Cell count
-3.8	2
-3.6	1
-3.4	8
-3.2	10
-3.0	24
-2.8	24
-2.6	58
-2.4	100
-2.2	153
-2.0	206
-1.8	330
-1.6	441
-1.4	589
-1.2	639
-1.0	799
-0.8	1061
-0.6	1100
-0.4	1119
-0.2	1053
0.0	850
0.2	482
0.4	234
0.6	90
0.8	33
1.0	28
1.2	28
1.4	20
1.6	18
1.8	12
2.0	5
2.2	6
2.4	1
2.8	2