

Additional file 9: Genomic distance between HCE pairs (bp).

| | Min | Median | Mean | Max | Total |
|-----------|-----|--------|-------|--------|----------|
| Group one | 2 | 575 | 2783 | 114900 | 523255 |
| Group two | 650 | 25640 | 46090 | 693200 | 9909207 |
| Total | 2 | 6764 | 25890 | 693200 | 10432462 |

The human genome was used as baseline. Wilcoxon unpaired test was used to test the significance of the difference between the two groups of IHRs' genomic distances ($p < 2.2e^{-16}$).