Supplementary Figure S1. Biological classifiers reveal artefacts of biochemical enrichment. 

a, A combination of biological classifiers provides a better bulk separation of chromatin (red) and non-chromatin proteins (blue) than biochemical enrichment of chromatin over a whole-cell lysate. Lines correspond to population medians. Biological classifiers (see Table 1 for full list) were integrated using machine learning and transformed into interphase chromatin probabilities (ICPs), in an analogous procedure to the one described in the main text for all classifiers (biological and biochemical). The scatterplot shows 1398 chromatin and 2636 non-chromatin proteins.

b, The 10 most highly enriched contaminants in biochemically purified chromatin. Based on biological behavior, 9 of these are more likely to be non-chromatin than chromatin (chromatin probability < 0.5).