Supplementary figures for:

A chromatinized origin reduces the mobility of ORC and MCM through interactions and spatial constraint

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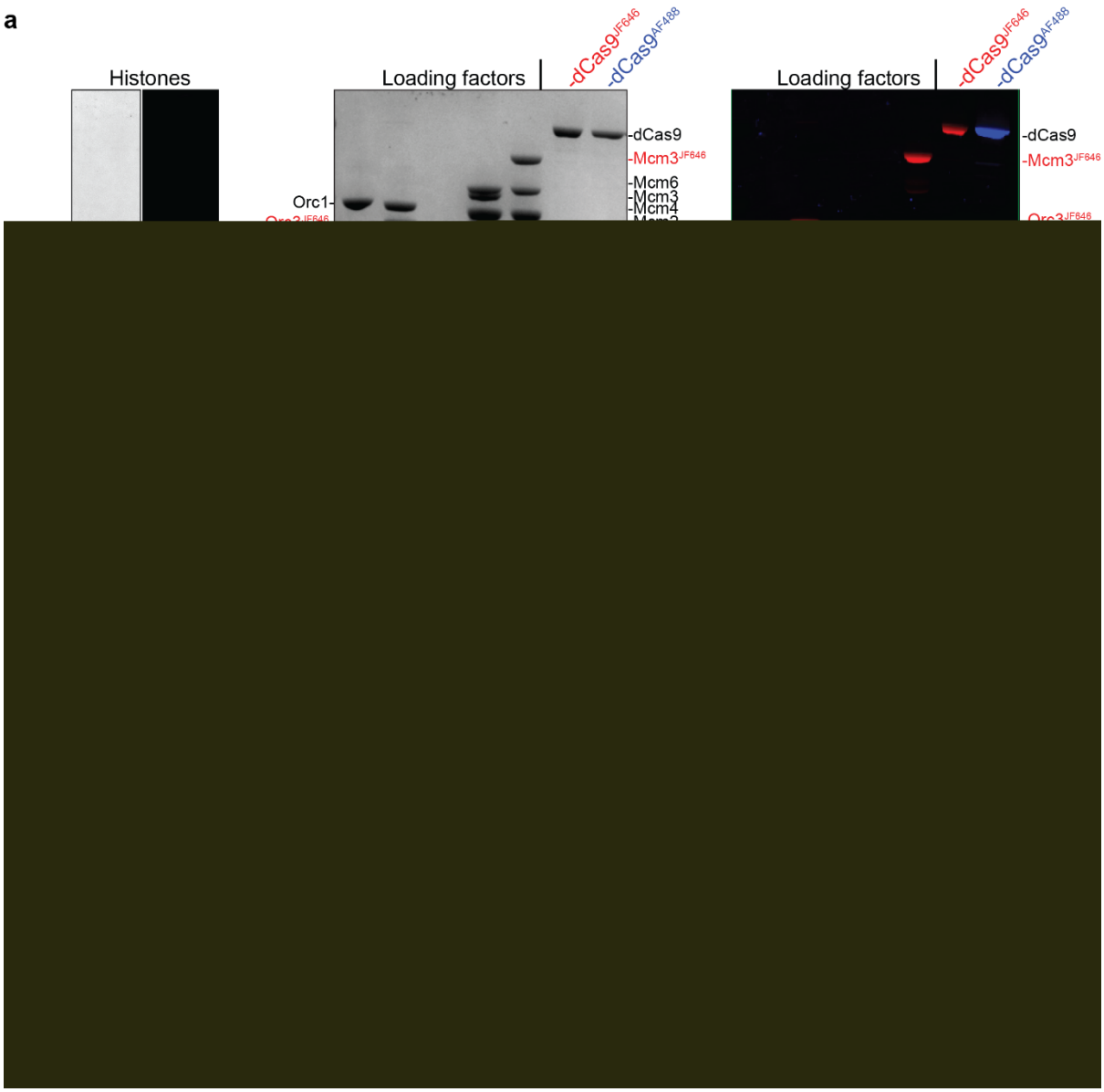

Supplementary Figure 1.1. Protein purification and ensemble characterization. (a) Scans from the SDS-PAGE gels after Coomassie staining (in black and white) and after fluorescence imaging (in color) of the yeast histone octamer complex (containing labeled $H2A^{AF488}$), loading factors (ORC complex, ORC^{JF646} complex including a HaloTag on the Orc3 subunit labeled with a single JF646 dye, Cdc6, MCM/Cdt1 complex, MCM^{JF646}/Cdt1 complex including a HaloTag on the Mcm3 subunit labeled with a single JF646 dye), and fluorescence standards dCas9 labeled with Halo-JF646 and Halo-AF488, respectively. **(b)** Loading assay performed on bead-tethered DNA in bulk using unlabeled proteins, or labeled ORC complex (ORC^{JF646}) with unlabeled MCM/Cdt1, or unlabeled ORC complex with labeled MCM^{JF646}/Cdt1, as indicated. Following a