

Supplementary Data 2: Chromosome visualizations for *P. vivax* sporozoites. Each page contains three *P. vivax* chromosomes. Within each page, the top row shows the raw contact count matrices at 10 kb resolution, the second row shows the ICE-normalized contact count matrices at 10 kb resolution, and the third row shows matrices of the fit-hi-c P-values assigned to the contacts. In these three matrices, the location of the centromere is indicated by a dashed black line, *vir* gene clusters are highlighted with a yellow box, and unmappable regions are colored in grey. The fourth row shows the pairwise Euclidean distance matrices derived from the 3D model, and the bottom row shows the inferred configuration in 3D with light blue spheres indicating centromeres, white spheres indicating telomeres and purple regions indicating the location of virulence gene clusters.

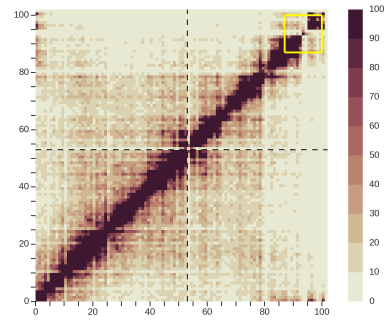
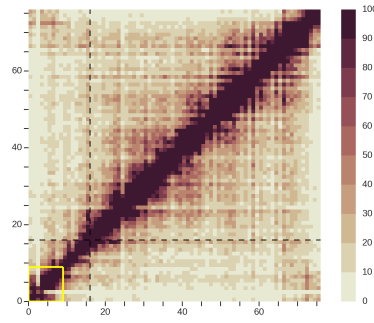
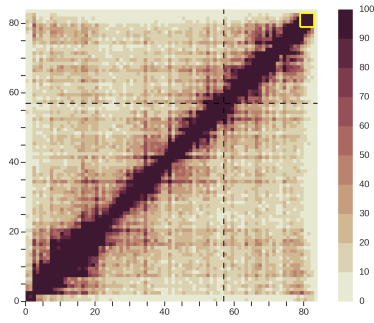
P. vivax Sporozoites

Chromosome 1

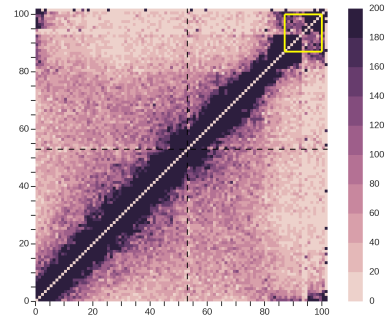
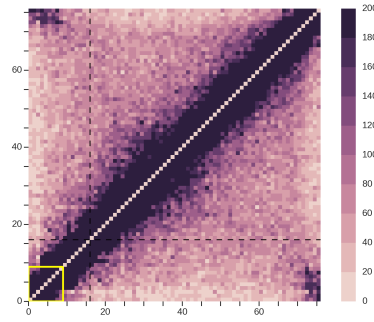
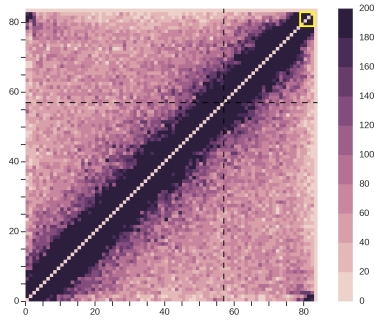
Chromosome 2

Chromosome 3

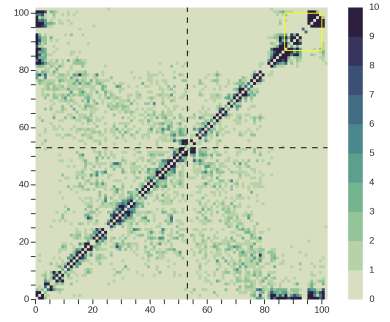
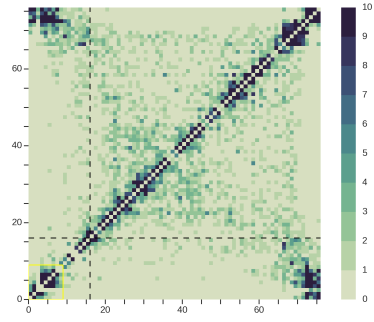
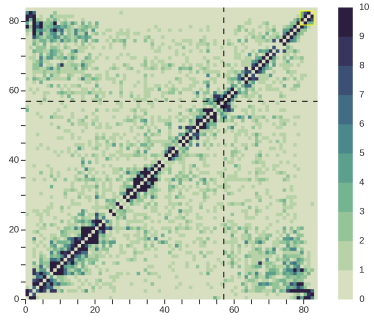
Raw counts



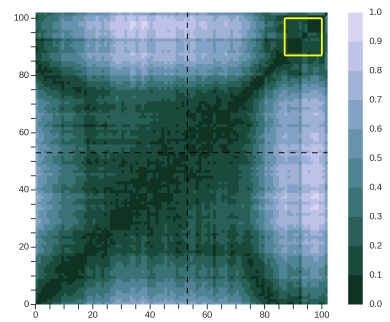
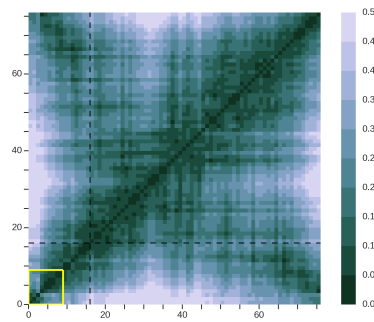
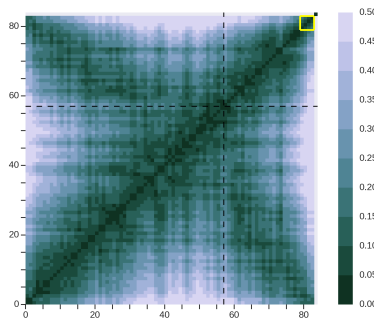
ICE normalized counts



fit-hi-c P-values



Euclidean distance



Structure



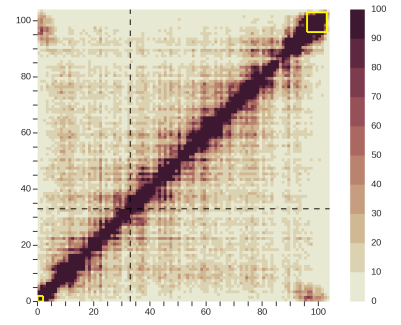
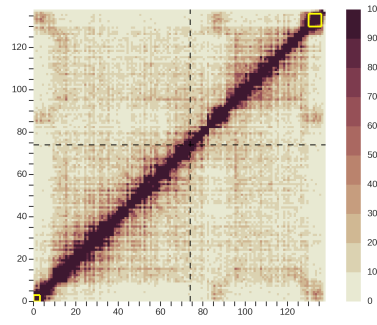
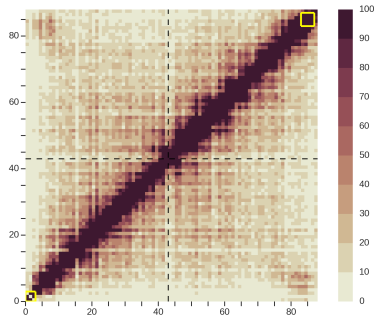
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Chromosome 4

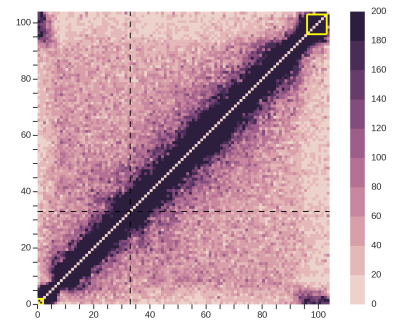
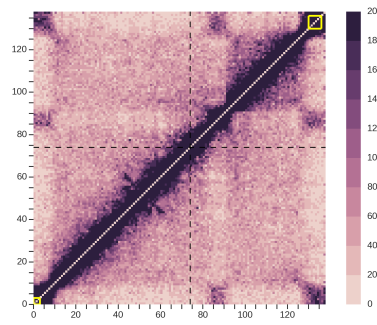
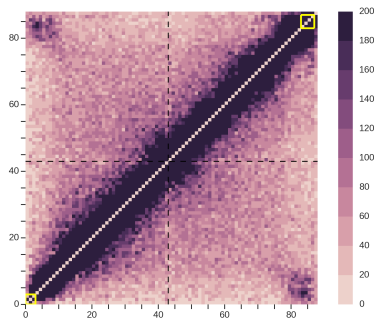
Chromosome 5

Chromosome 6

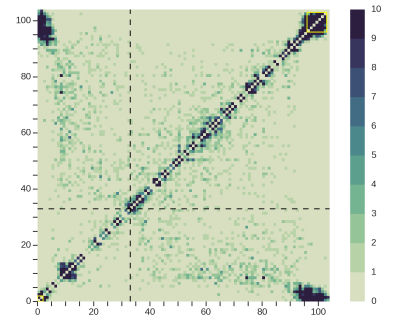
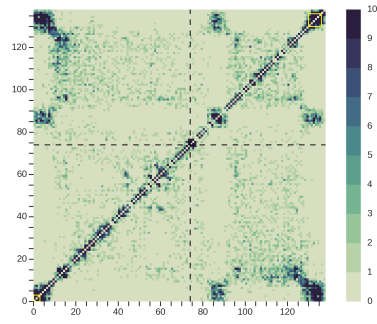
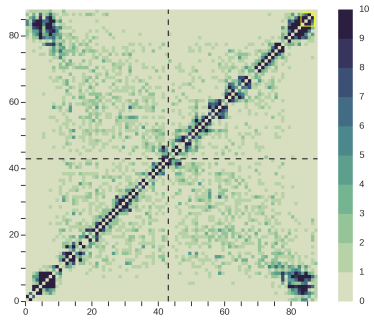
Raw counts



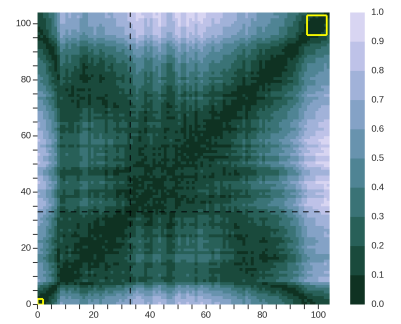
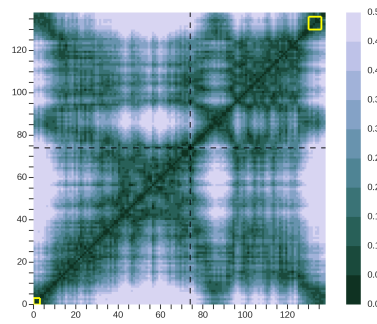
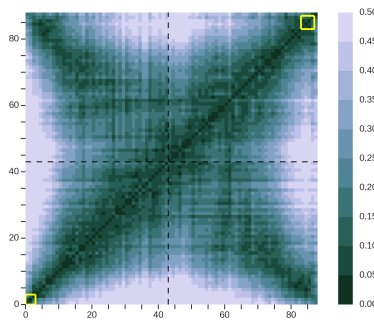
ICE normalized counts



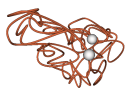
fit-hi-c P-values



Euclidean distance



Structure



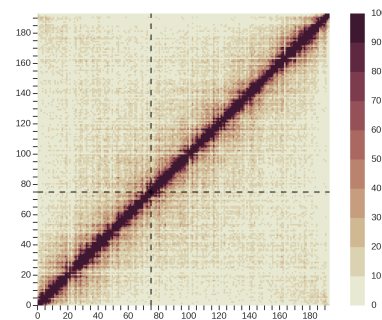
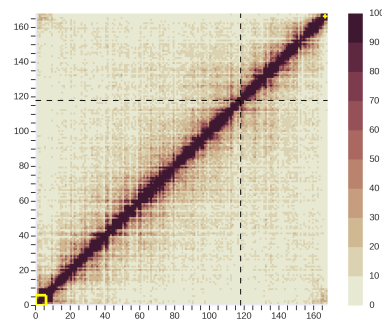
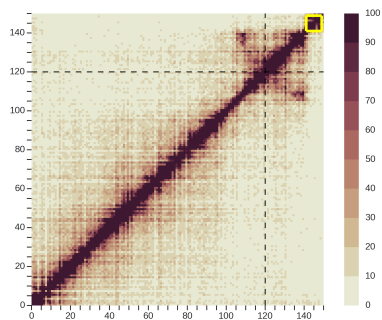
P. vivax Sporozoites

Chromosome 7

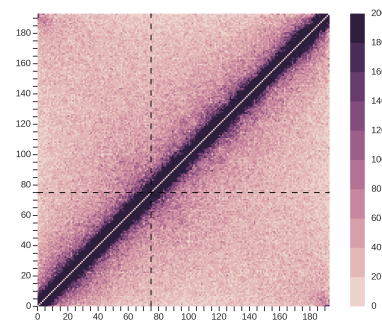
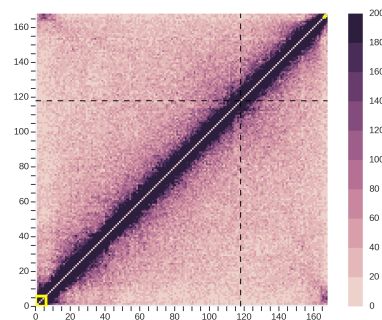
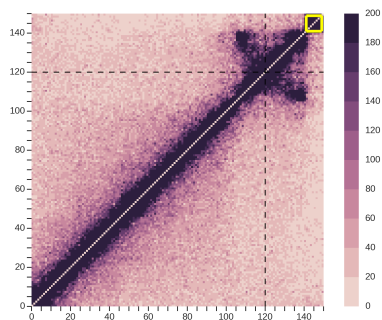
Chromosome 8

Chromosome 9

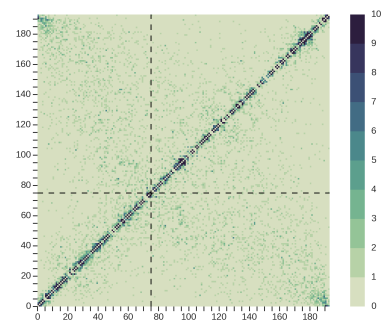
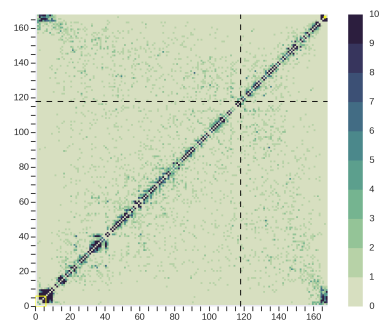
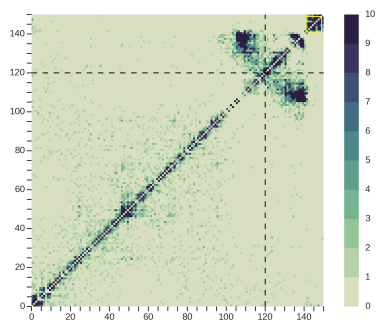
Raw counts



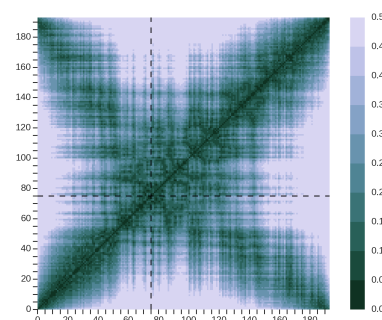
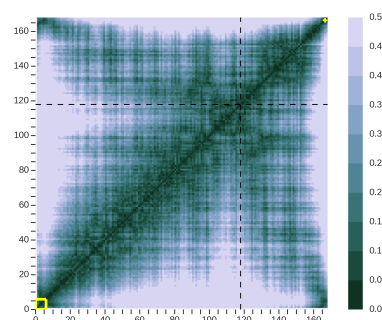
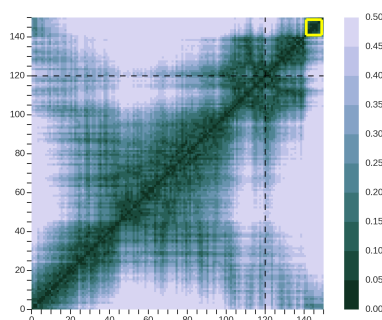
ICE normalized counts



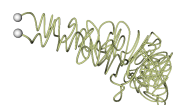
fit-hi-c P-values



Euclidean distance



Structure



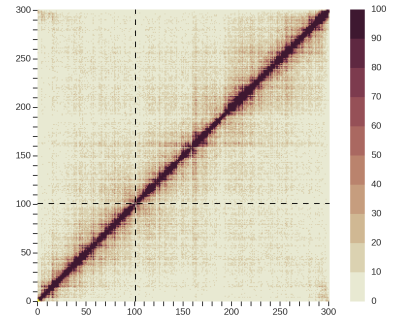
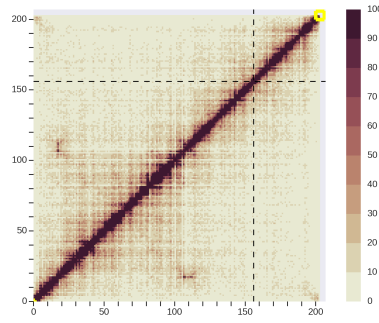
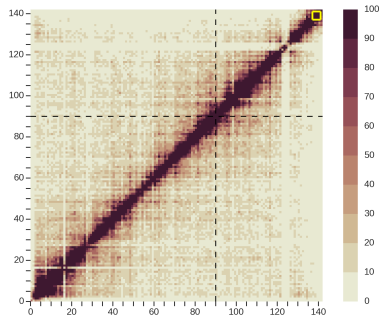
P. vivax Sporozoites

Chromosome 10

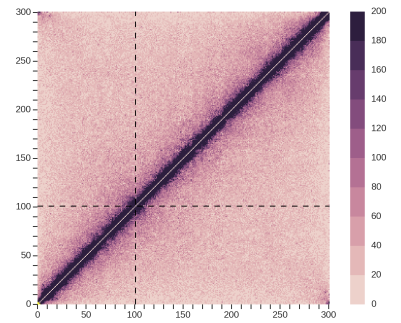
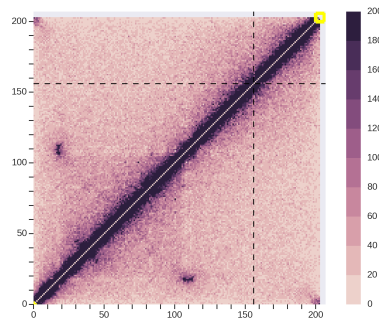
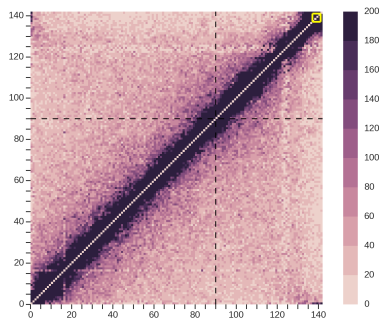
Chromosome 11

Chromosome 12

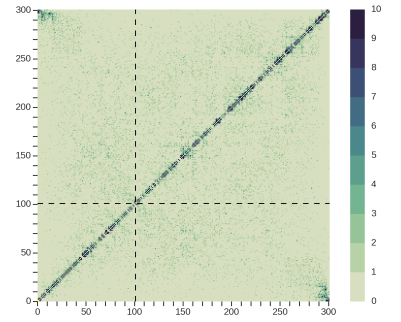
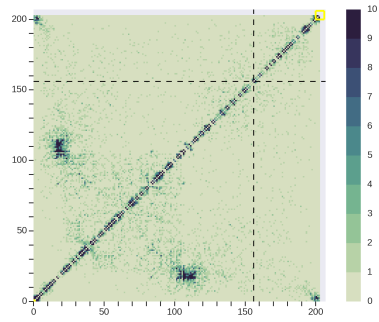
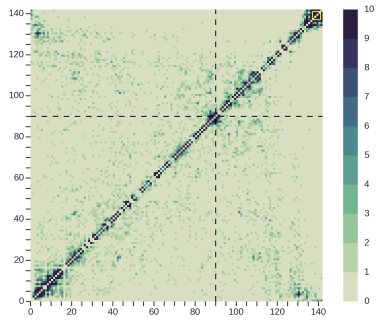
Raw counts



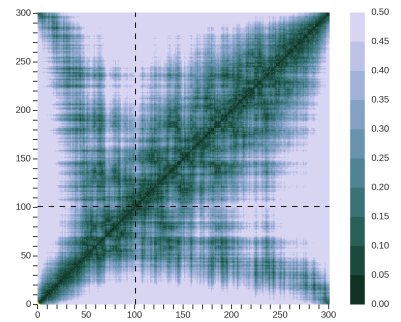
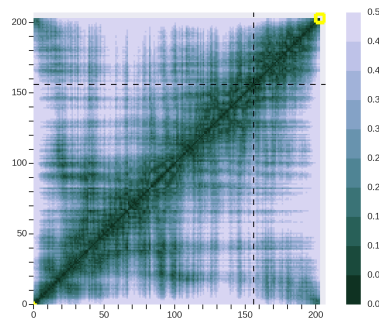
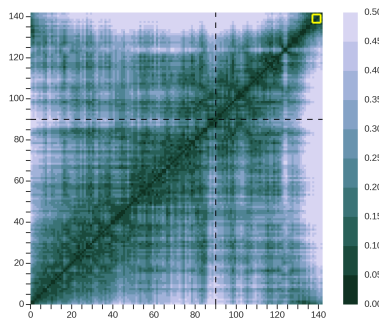
ICE normalized counts



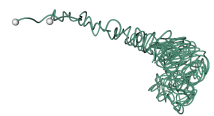
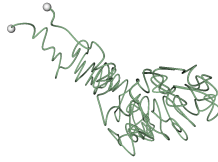
fit-hi-c P-values



Euclidean distance



Structure

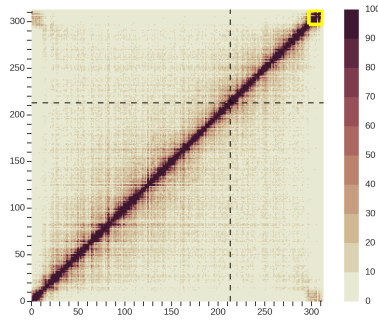
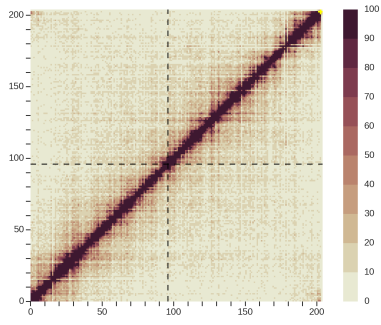


P. vivax Sporozoites

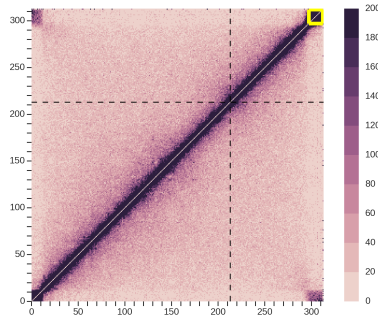
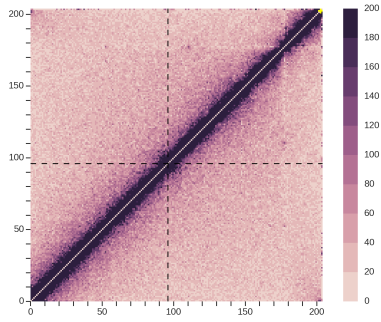
Chromosome 13

Chromosome 14

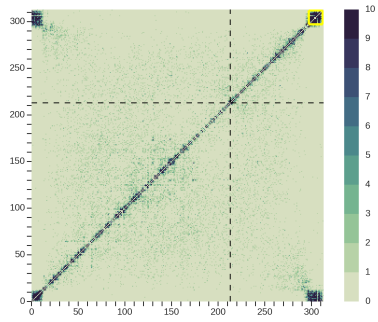
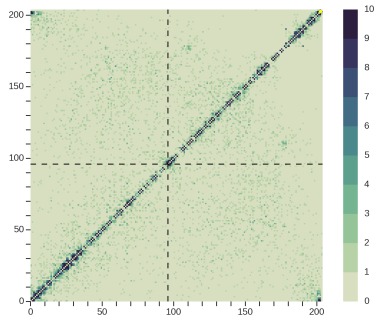
Raw counts



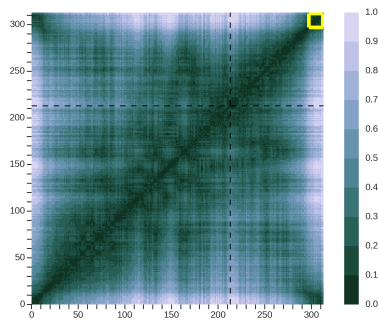
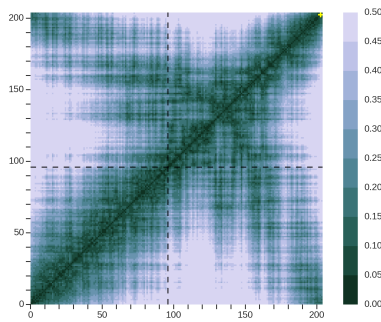
ICE normalized counts



fit-hi-c P-values



Euclidean distance



Structure

