

Dataset 1: Chromosome visualizations for *P. falciparum*, *P. vivax*, *P. berghei*, *P. yoelii*, *P. knowlesi*, *B. microti*, and *T. gondii* samples. 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 with domain score and mappability tracks, and the third row shows matrices of the Fit-Hi-C P-values assigned to the contacts. In these three matrices, unmappable regions are colored in white. In the domain score tracks, centromeres are indicated with a dashed line and dips that reach the threshold of a domain-like structure are marked with a black box. 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 red spheres indicating centromeres and blue spheres indicating telomeres.

T.gondii

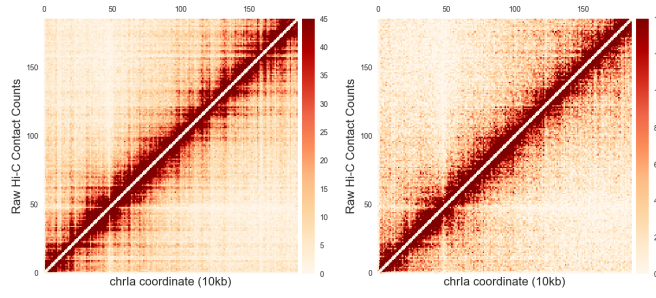
Bradyzoites

Tachyzoites

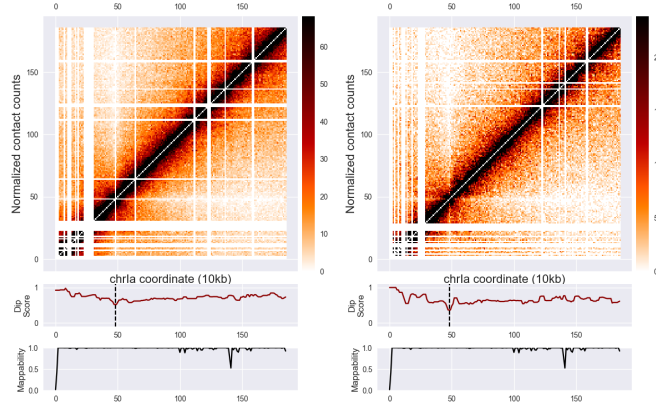
chr1a

chr1a

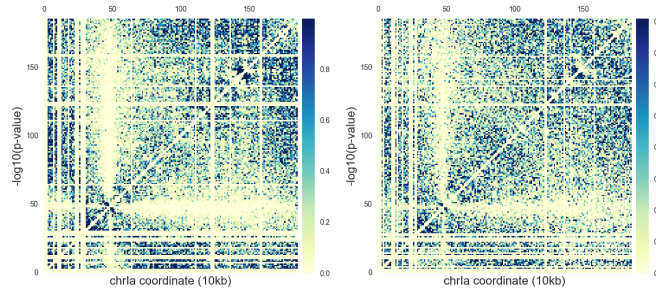
Raw Counts



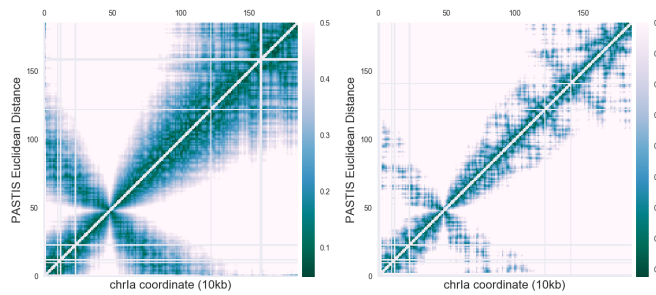
ICE
Normalized
Counts



Fit-Hi-C
p-values



PASTIS
Euclidean
Distance



PASTIS 3D
Model



T.gondii

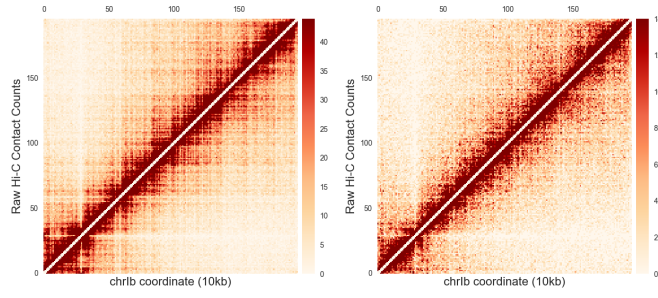
Bradyzoites

Tachyzoites

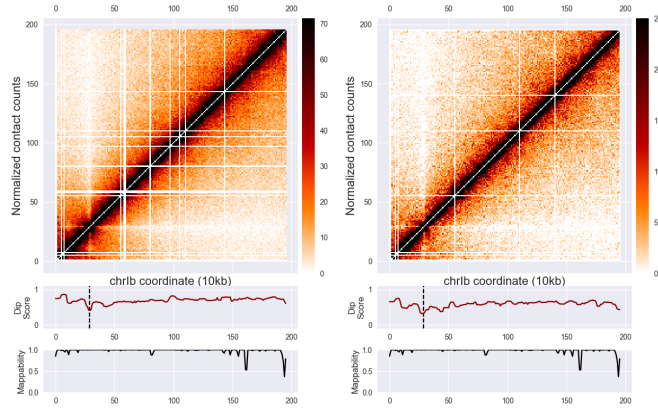
chr1b

chr1b

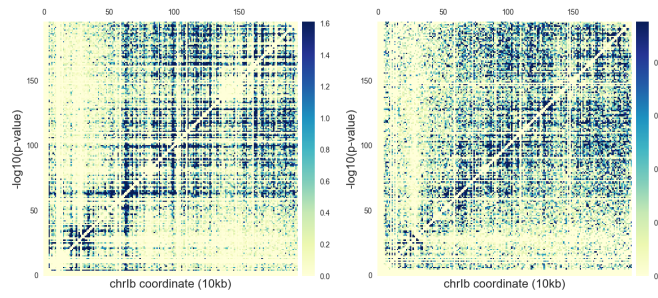
Raw Counts



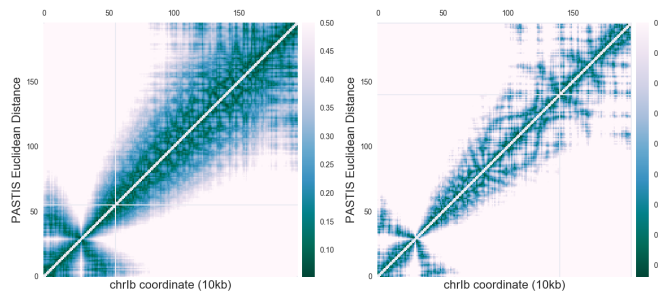
ICE Normalized Counts



Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T.gondii

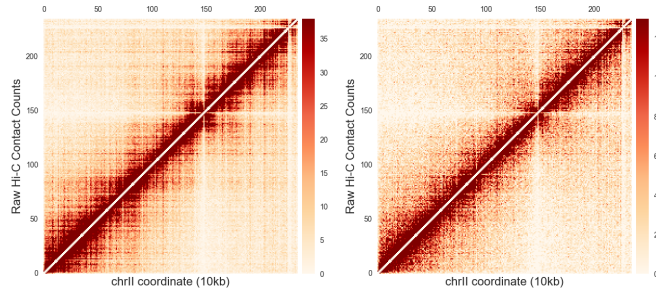
Bradyzoites

Tachyzoites

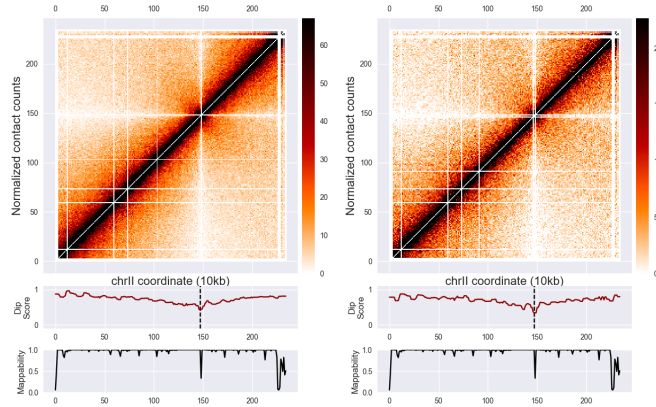
chrII

chrII

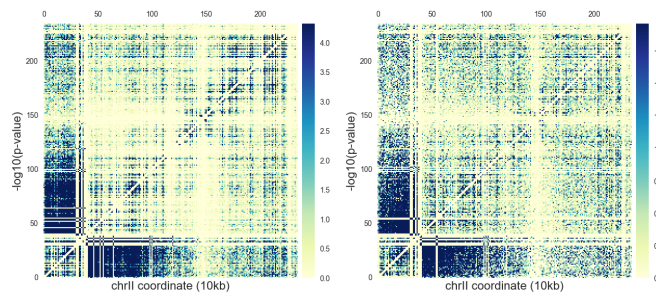
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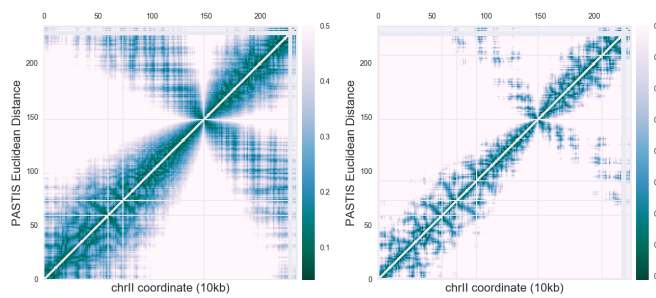
ICE Normalized Counts



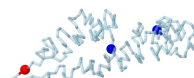
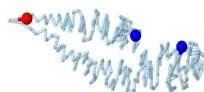
Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T.gondii

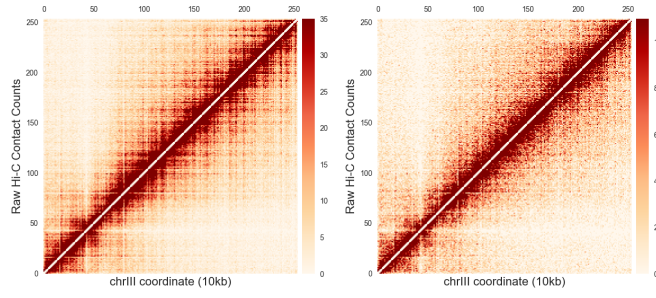
Bradyzoites

Tachyzoites

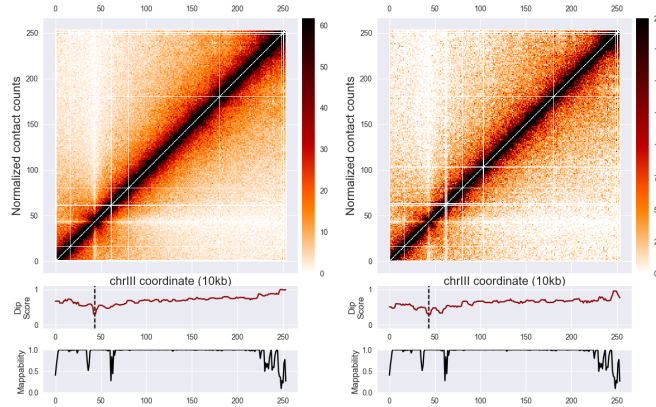
chrIII

chrIII

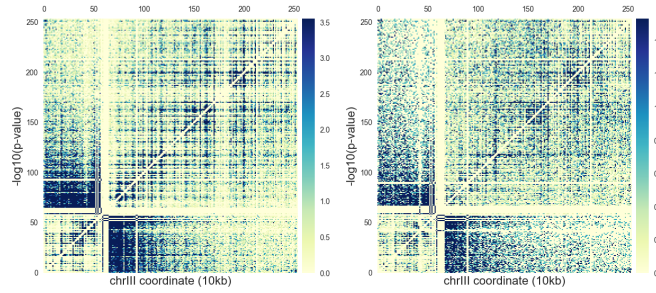
Raw Counts



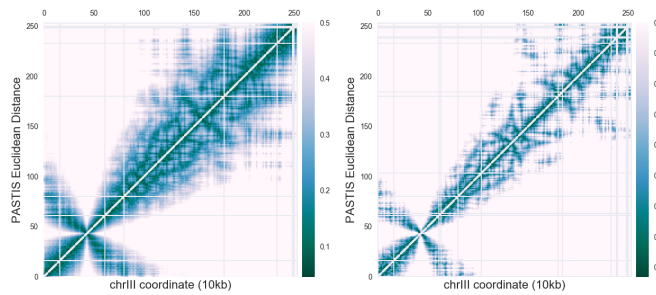
ICE Normalized Counts



Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T.gondii

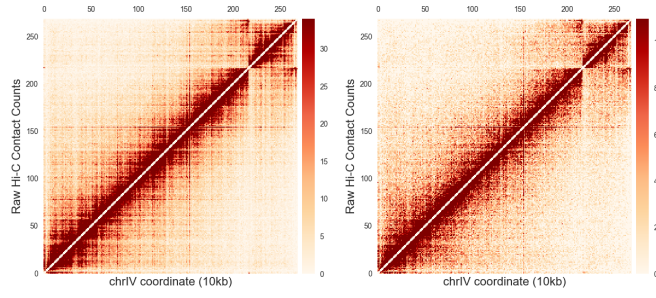
Bradyzoites

Tachyzoites

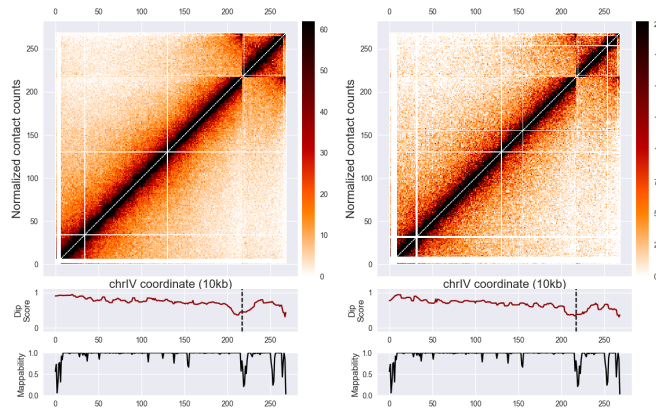
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chrIV

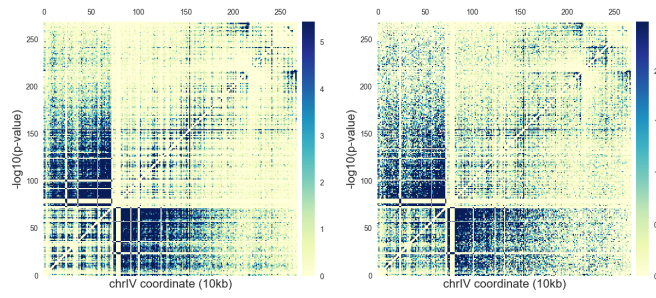
Raw Counts



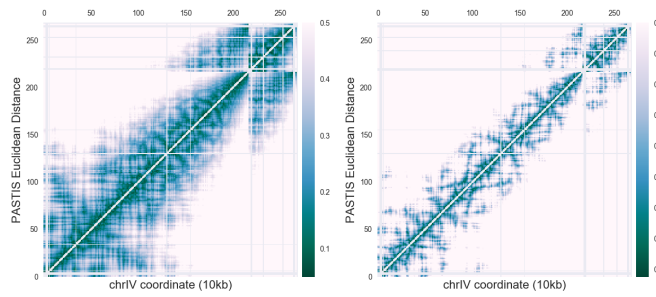
ICE Normalized Counts



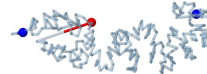
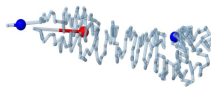
Fit-Hi-C p-values

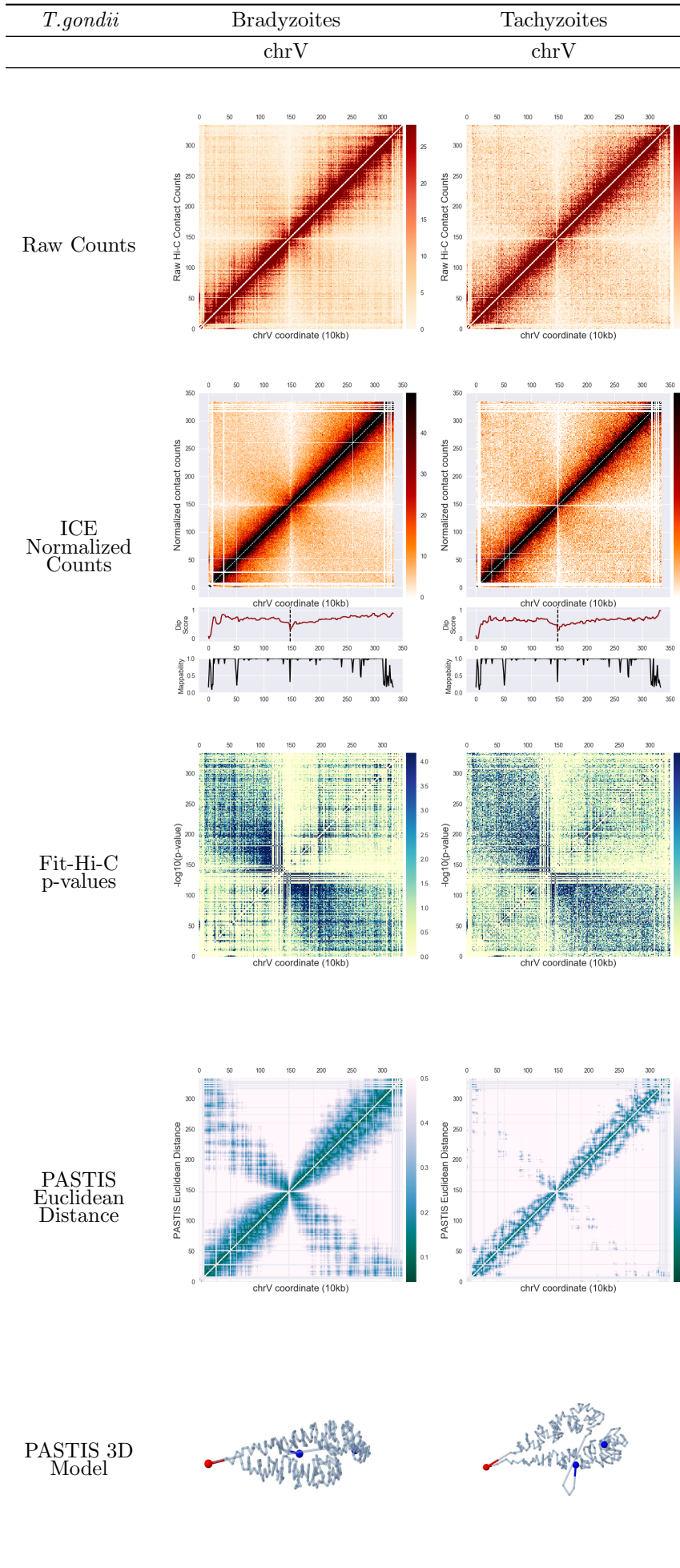


PASTIS Euclidean Distance



PASTIS 3D Model





T.gondii

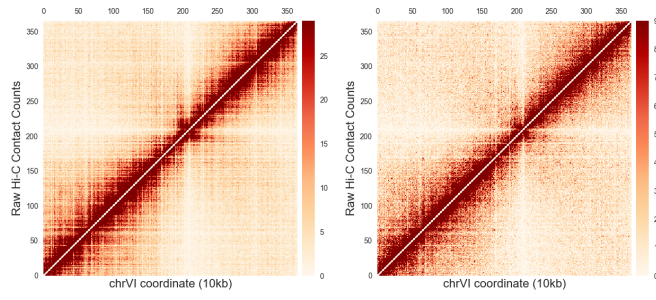
Bradyzoites

Tachyzoites

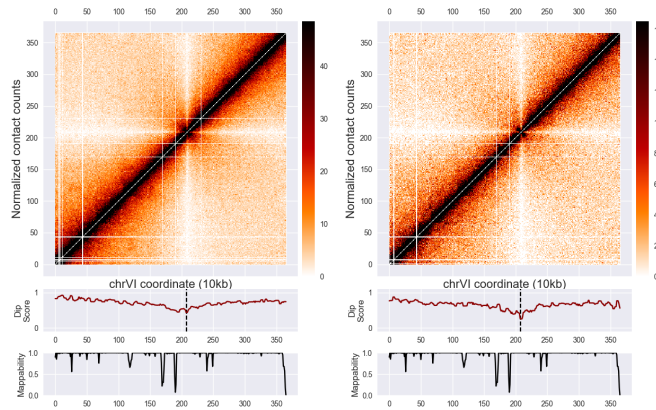
chrVI

chrVI

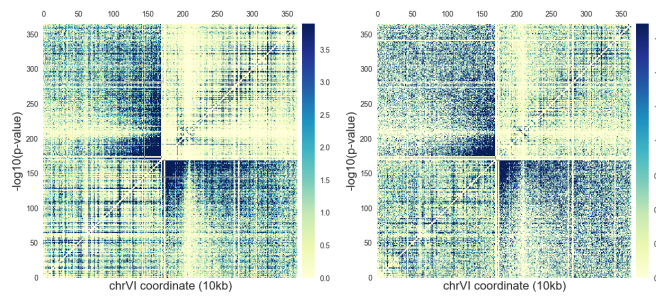
Raw Counts



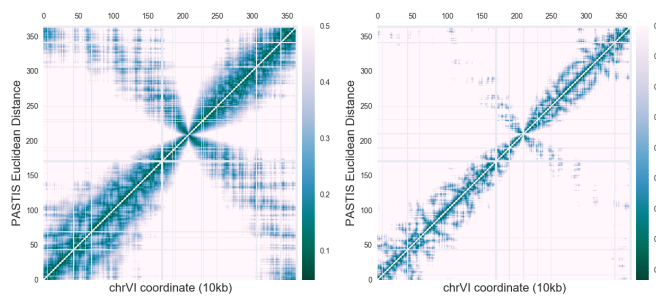
ICE Normalized Counts



Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T. gondii

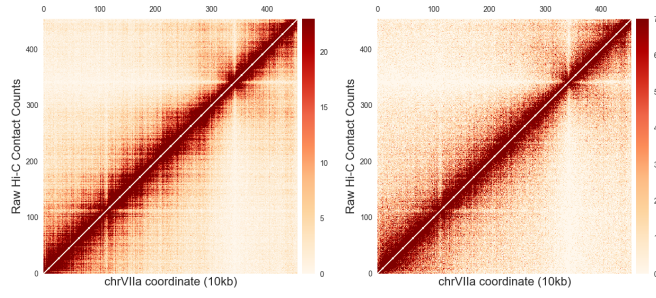
Bradyzoites

Tachyzoites

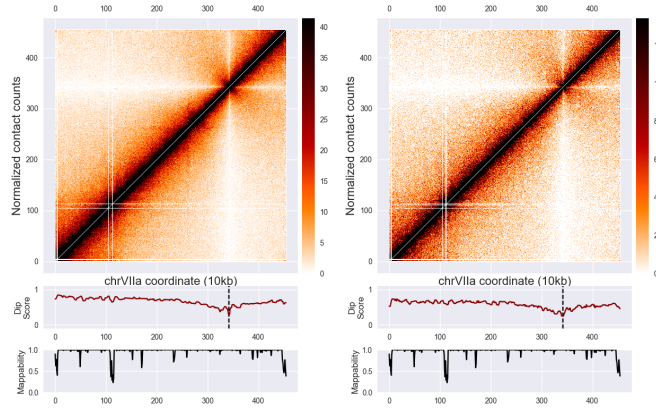
chrVIIa

chrVIIa

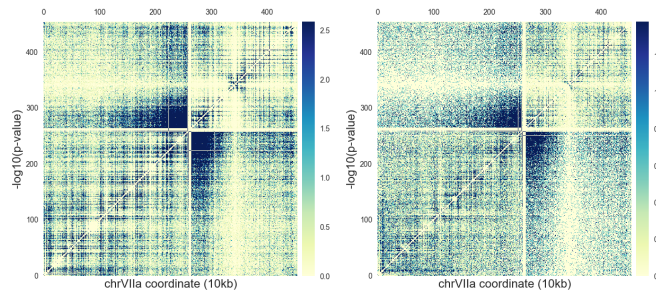
Raw Counts



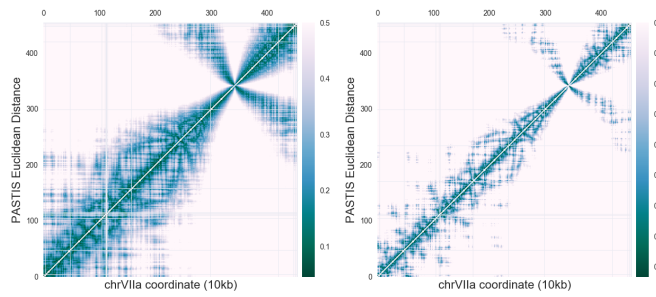
ICE Normalized Counts



Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T.gondii

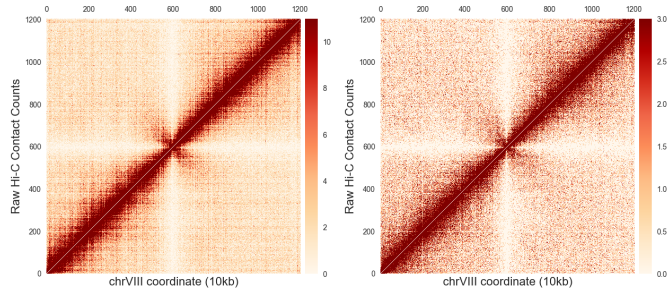
Bradyzoites

Tachyzoites

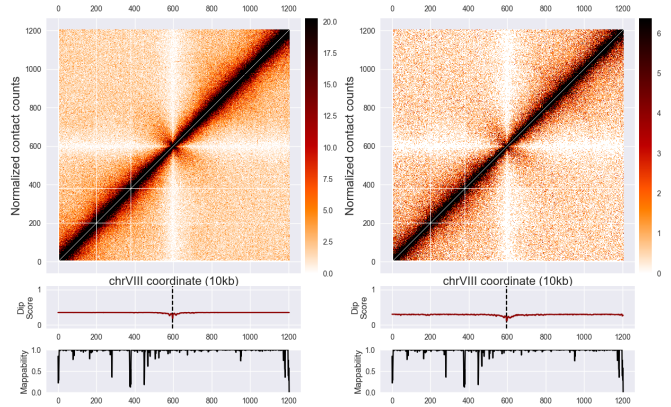
chrVIII

chrVIII

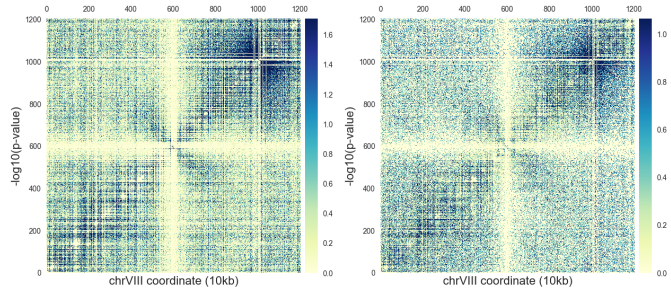
Raw Counts



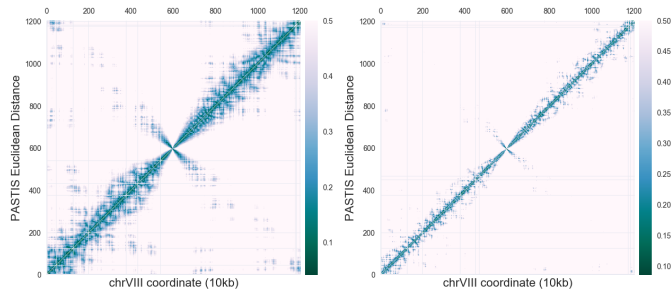
ICE Normalized Counts



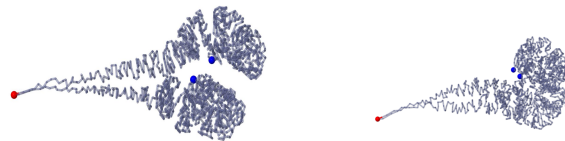
Fit-Hi-C p-values



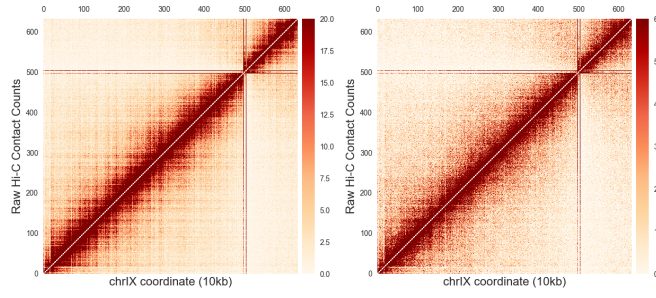
PASTIS Euclidean Distance



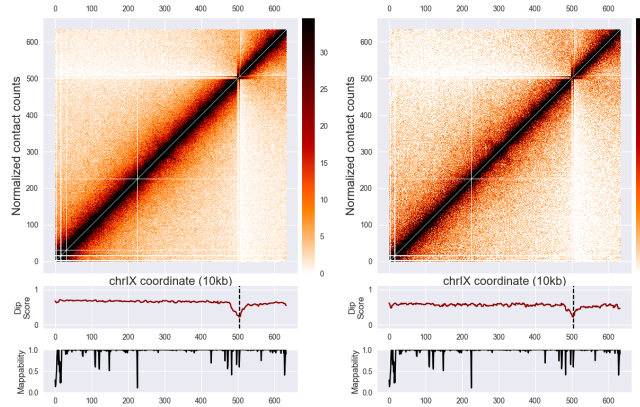
PASTIS 3D Model



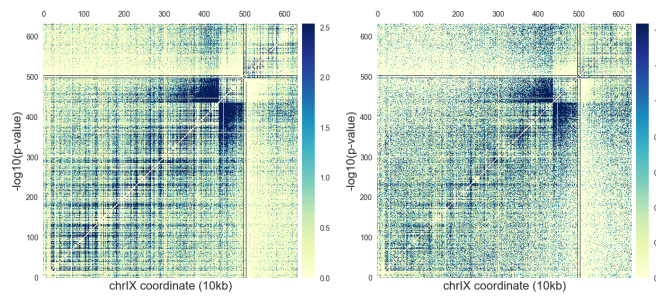
Raw Counts



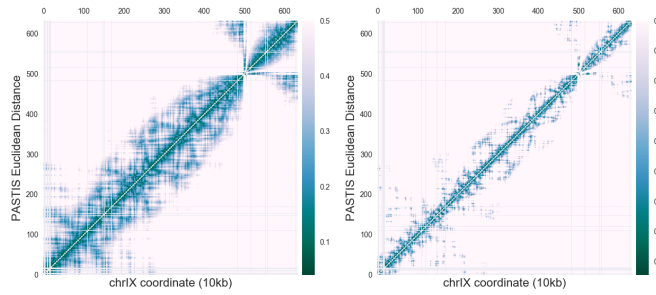
ICE Normalized Counts



Fit-Hi-C p-values

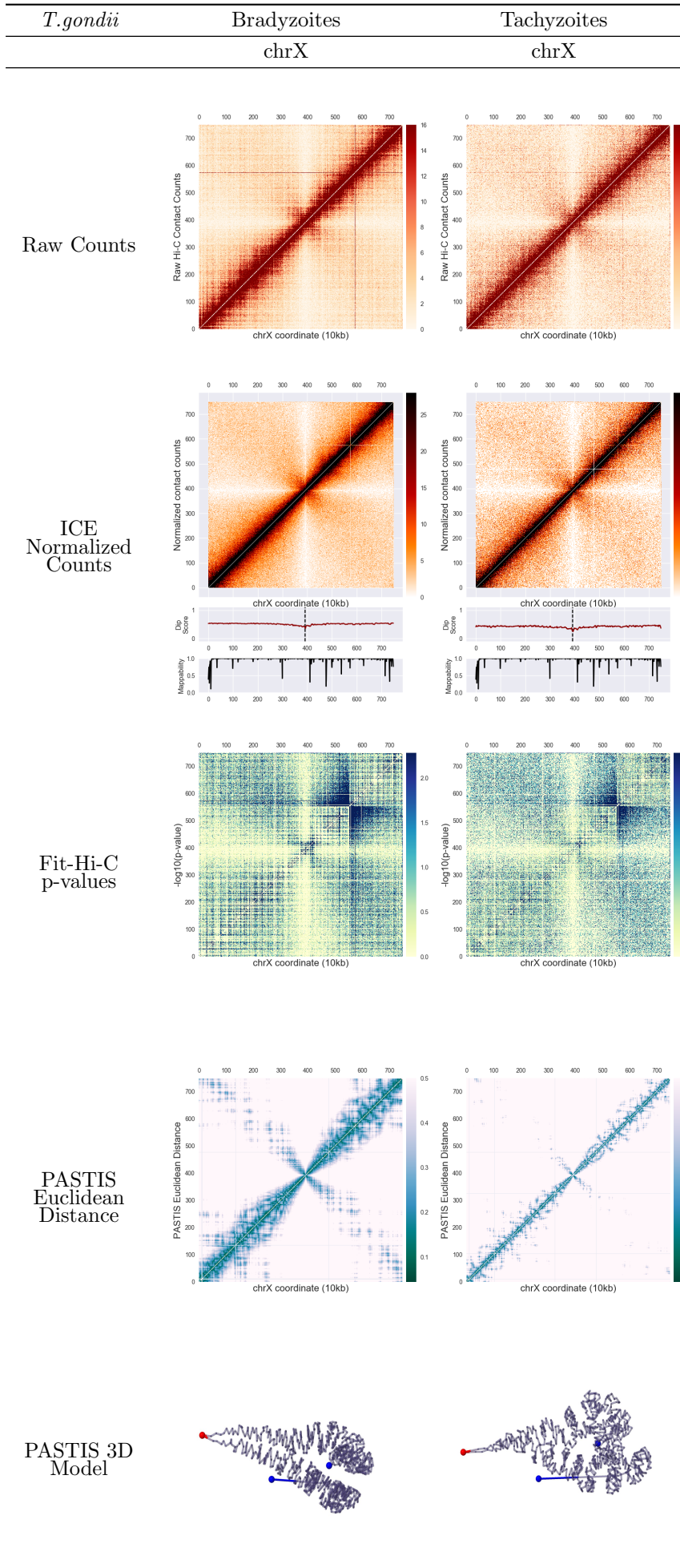


PASTIS Euclidean Distance

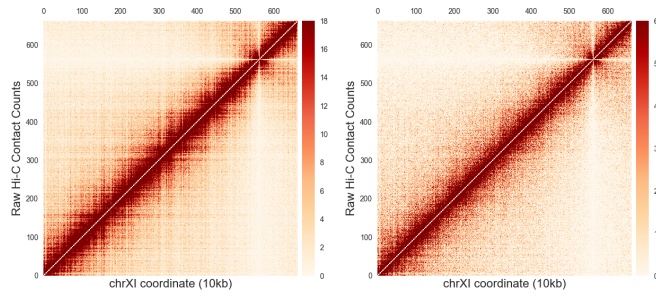


PASTIS 3D Model

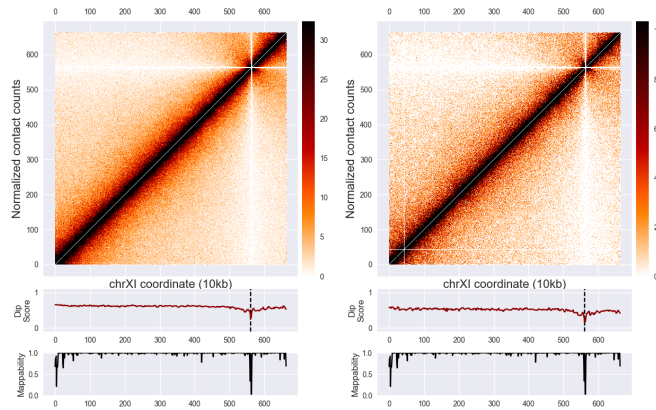




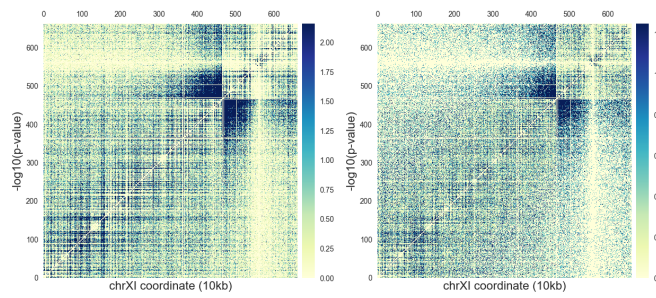
Raw Counts



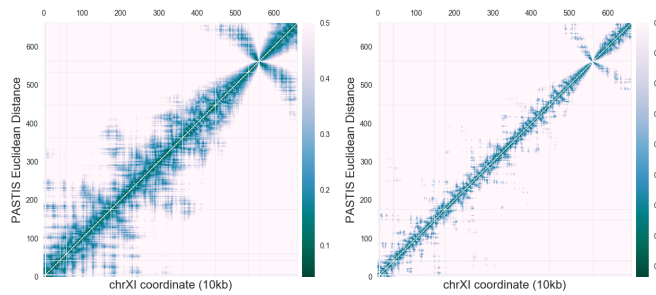
ICE Normalized Counts



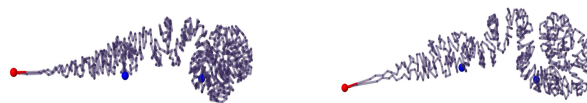
Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model



T. gondii

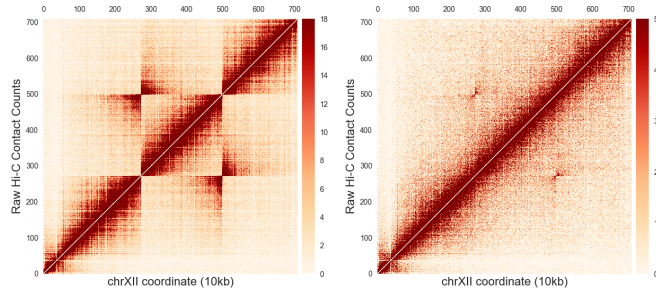
Bradyzoites

Tachyzoites

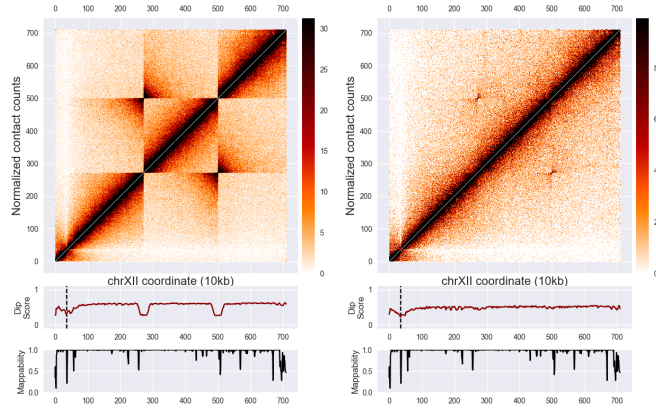
chrXII

chrXII

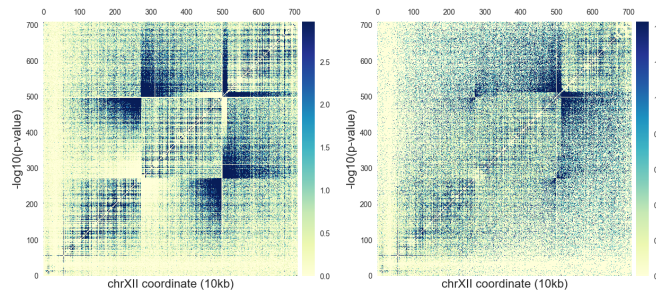
Raw Counts



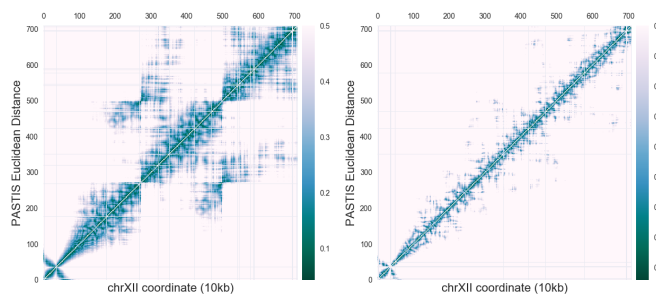
ICE Normalized Counts



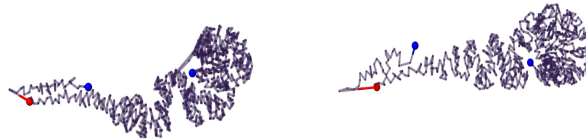
Fit-Hi-C p-values



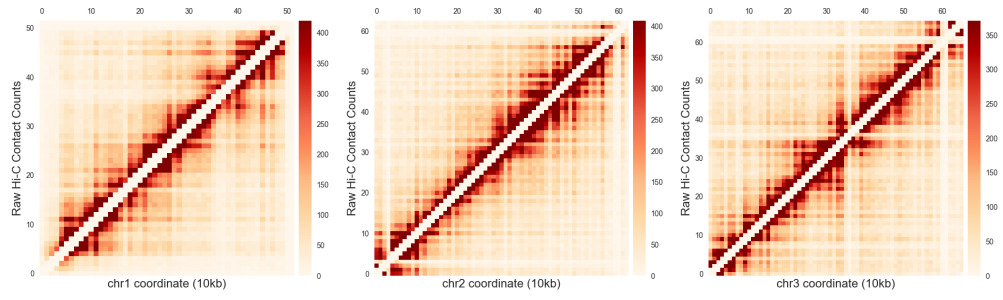
PASTIS Euclidean Distance



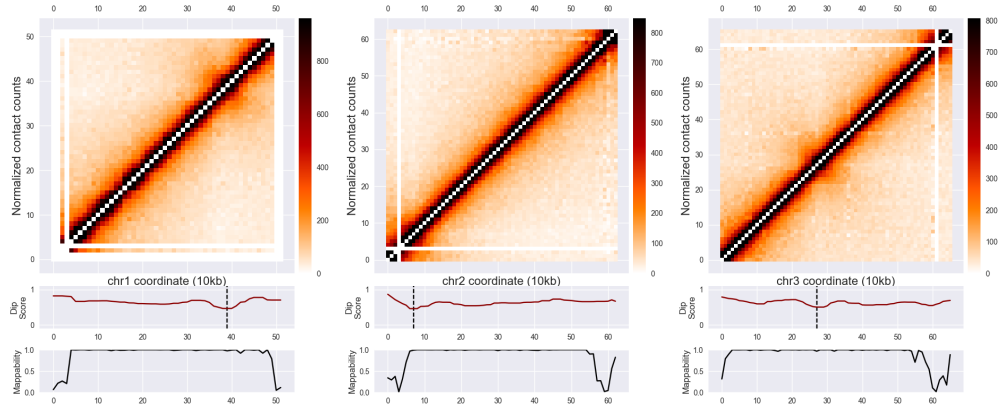
PASTIS 3D Model



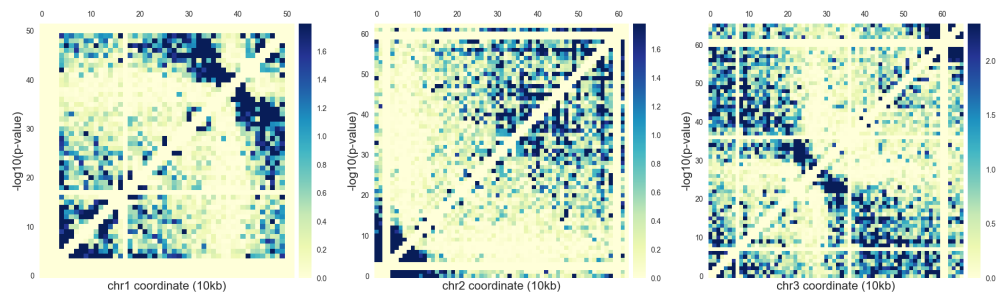
Raw Counts



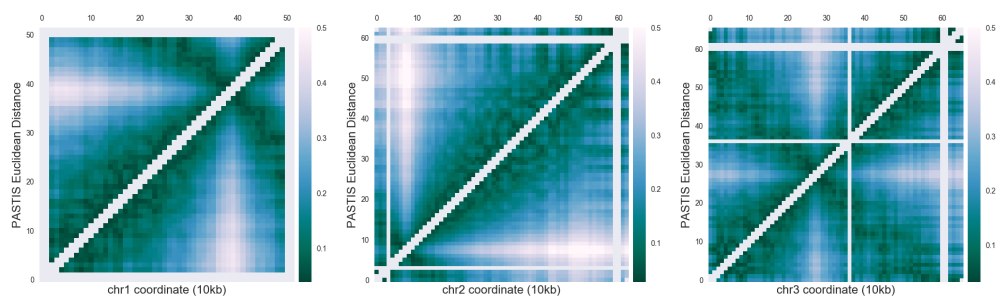
ICE
Normalized
Counts



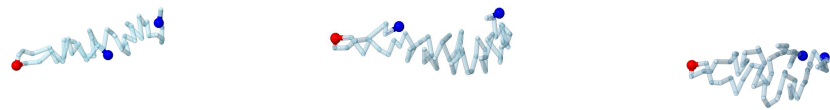
Fit-Hi-C
p-values



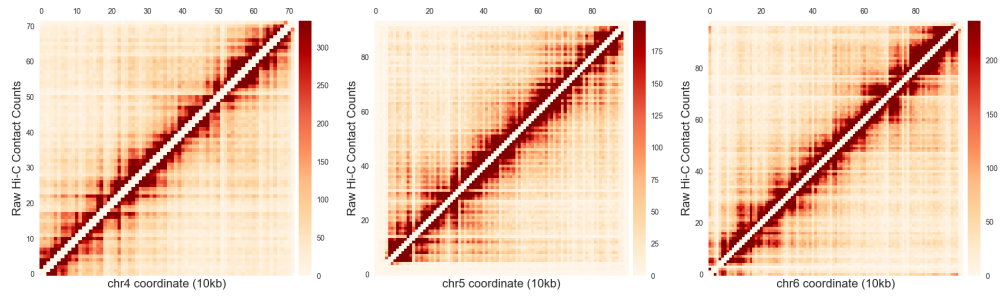
PASTIS
Euclidean
Distance



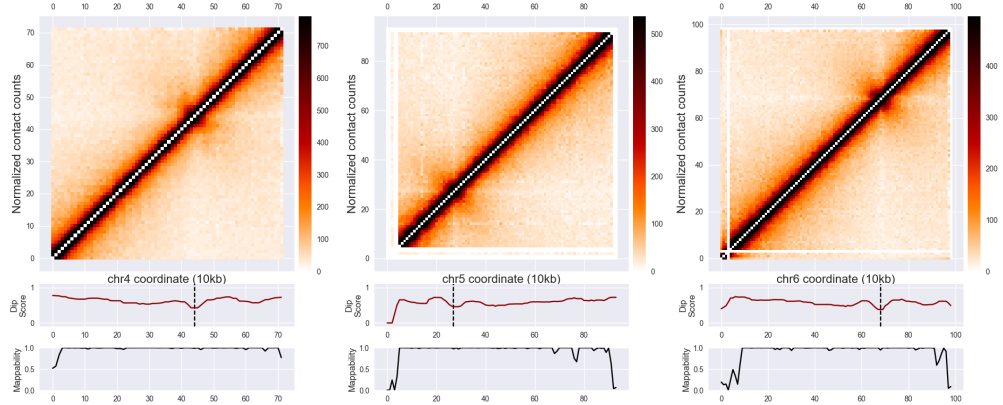
PASTIS 3D
Model



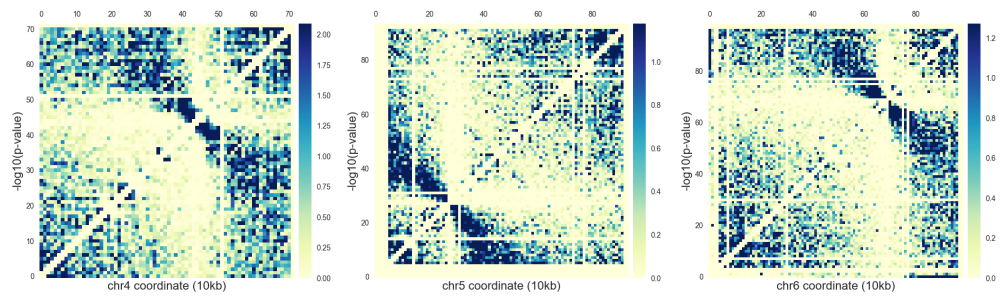
Raw Counts



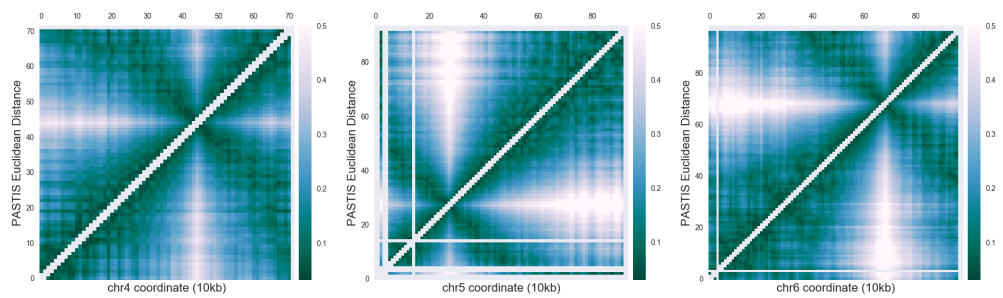
ICE Normalized Counts



Fit-Hi-C p-values



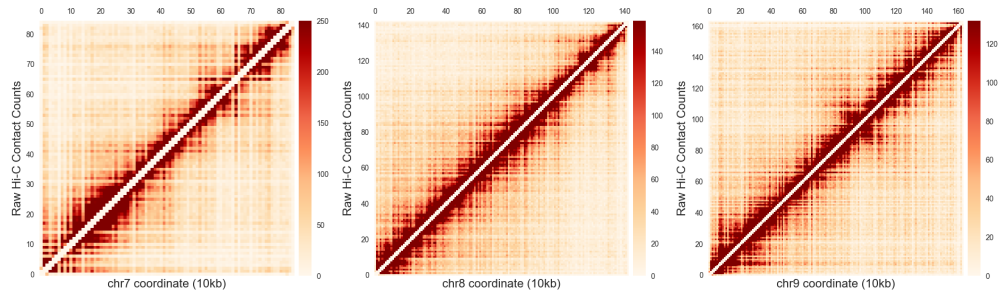
PASTIS Euclidean Distance



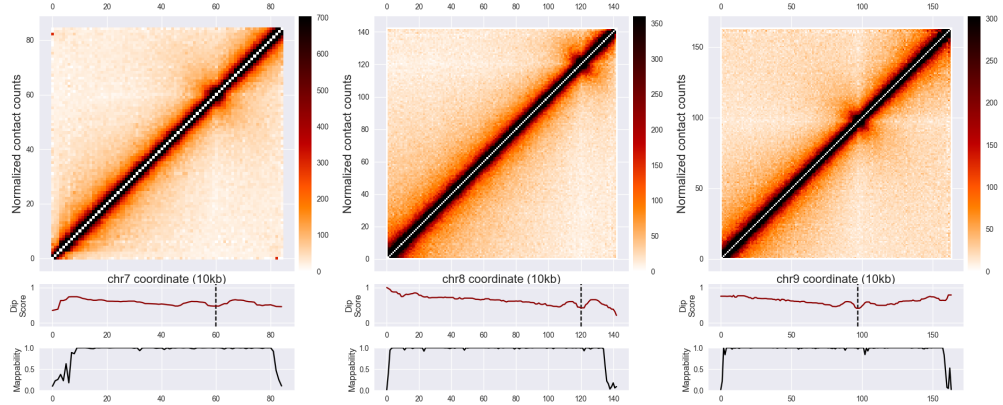
PASTIS 3D Model



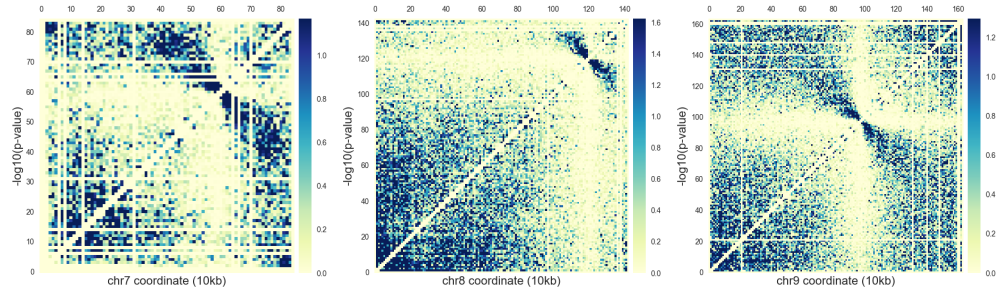
Raw Counts



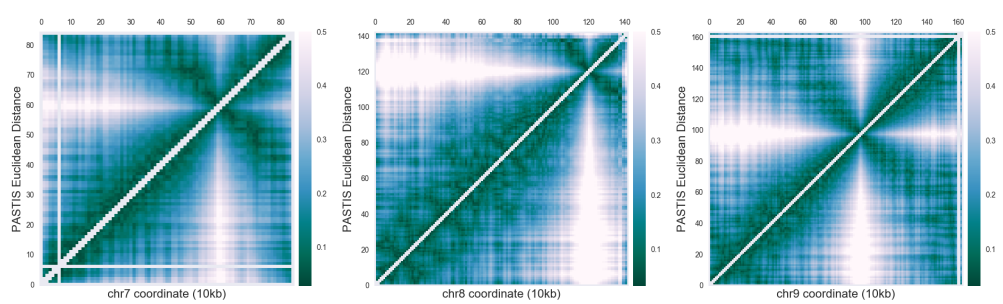
ICE Normalized Counts



Fit-Hi-C p-values



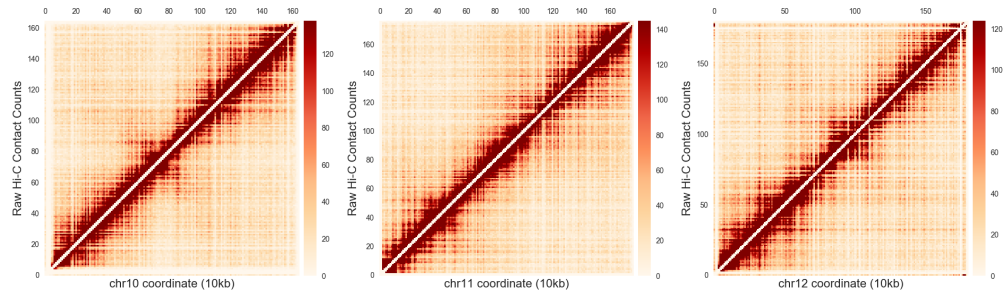
PASTIS Euclidean Distance



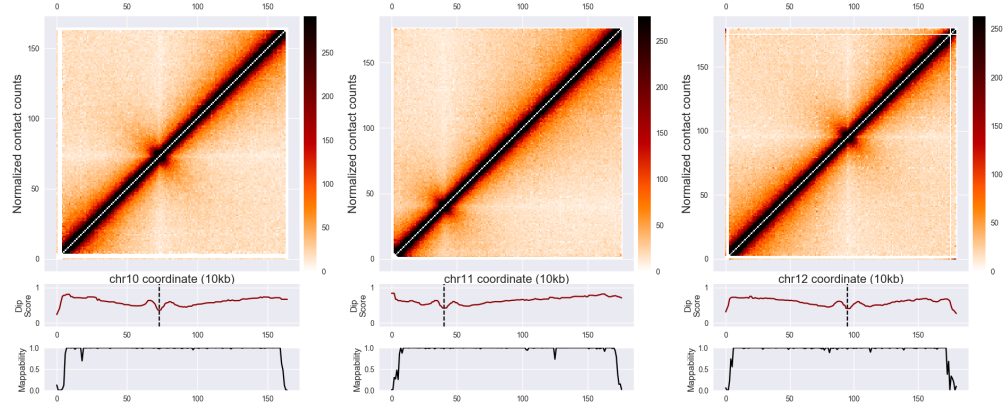
PASTIS 3D Model



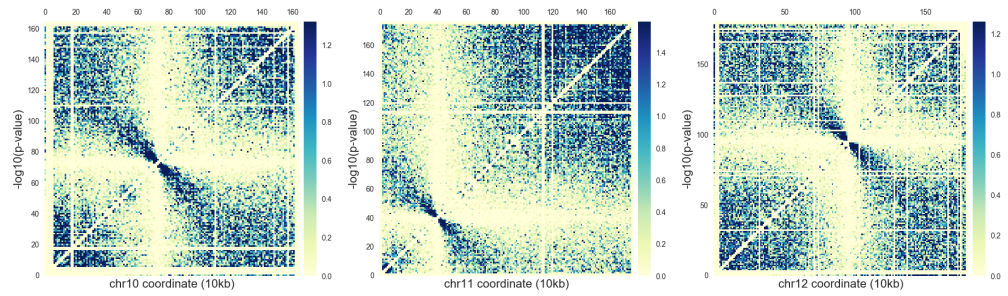
Raw Counts



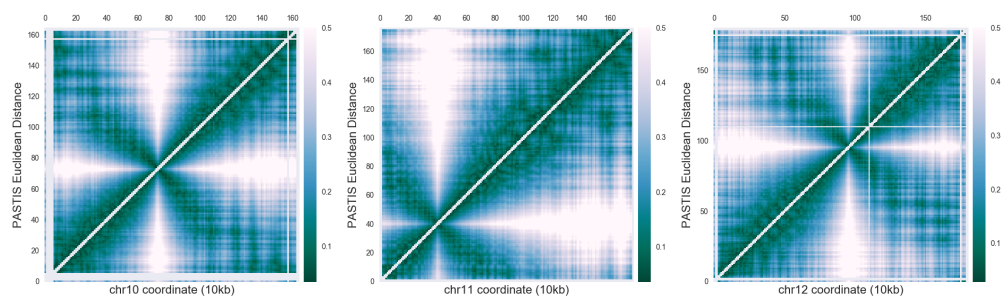
ICE Normalized Counts



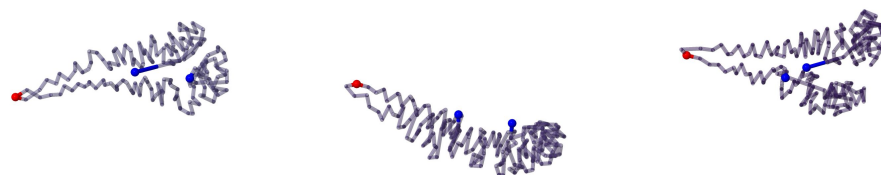
Fit-Hi-C p-values

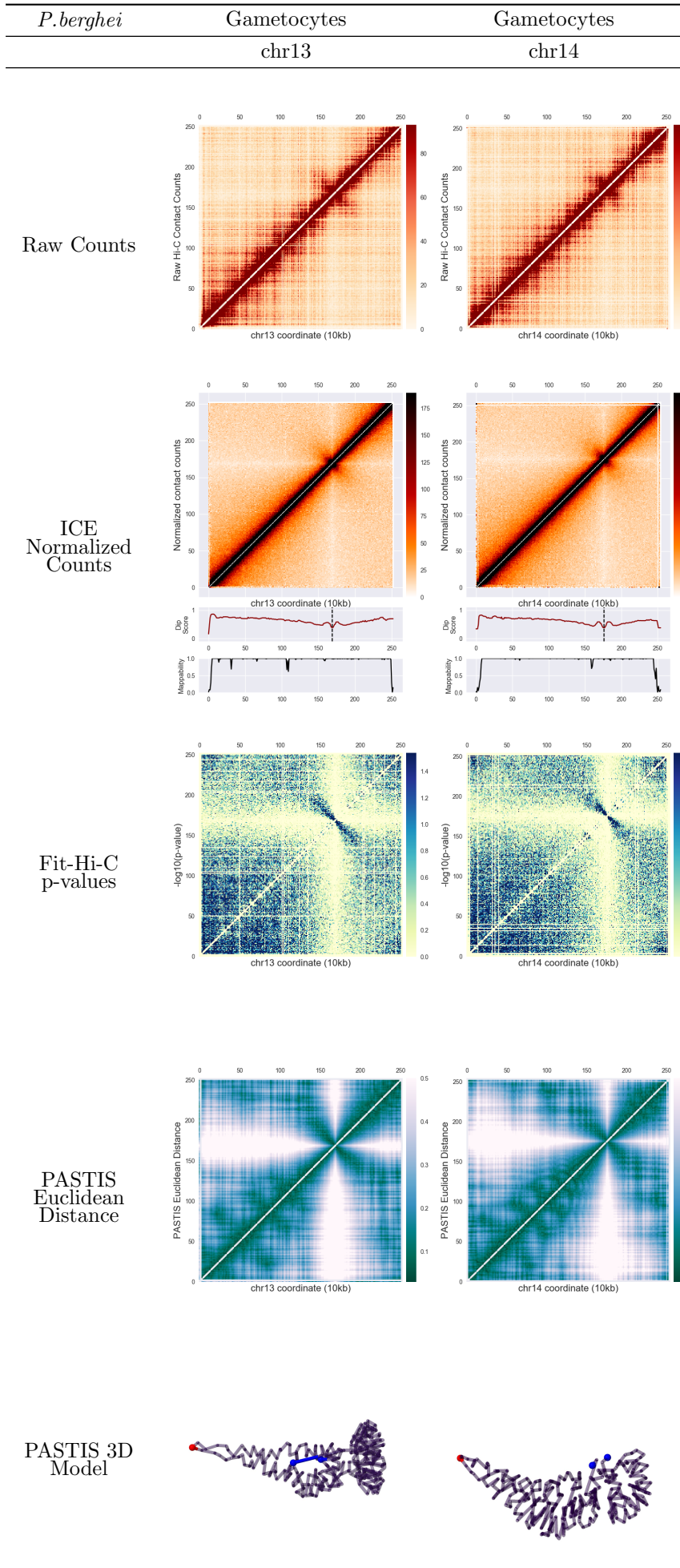


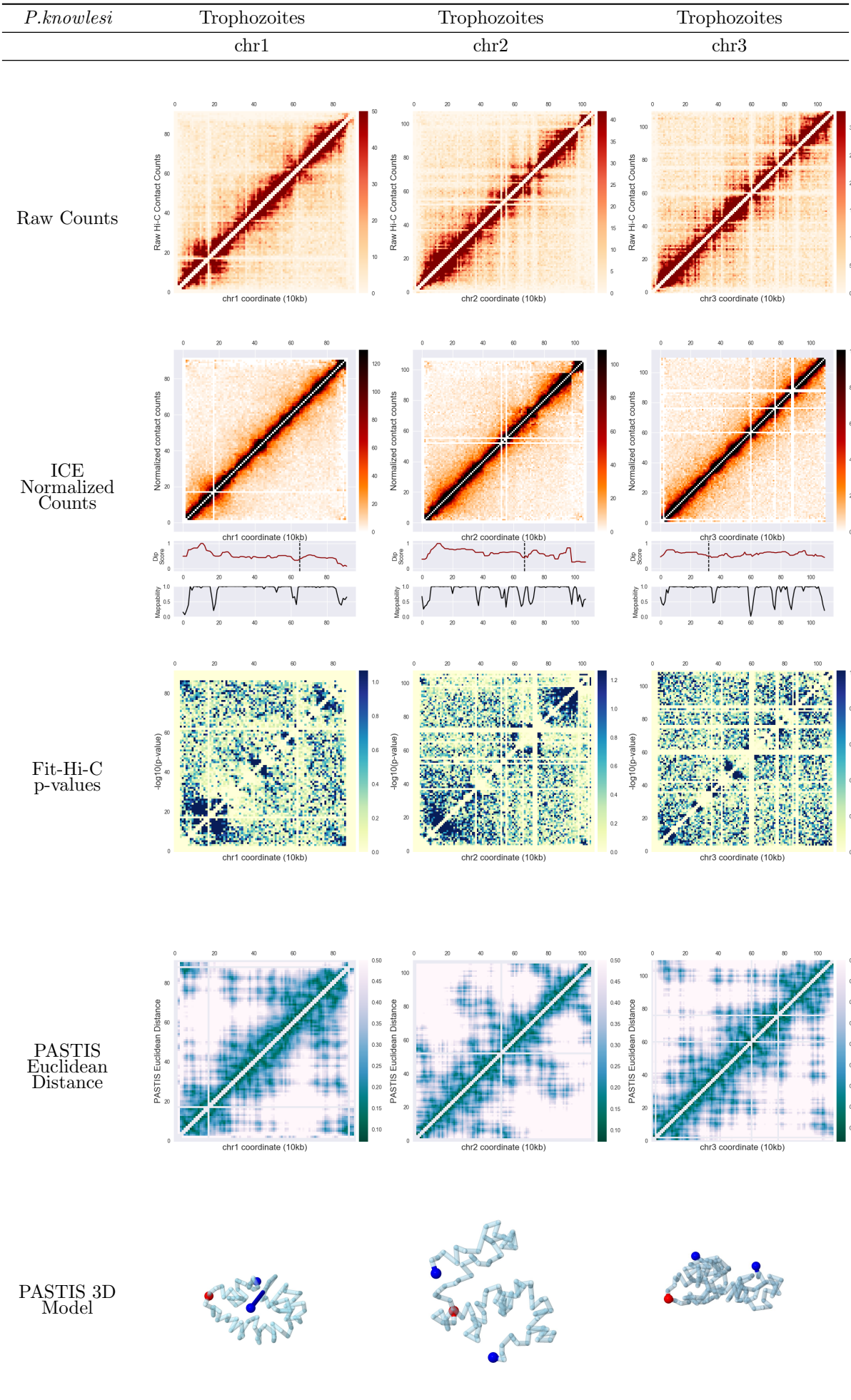
PASTIS Euclidean Distance

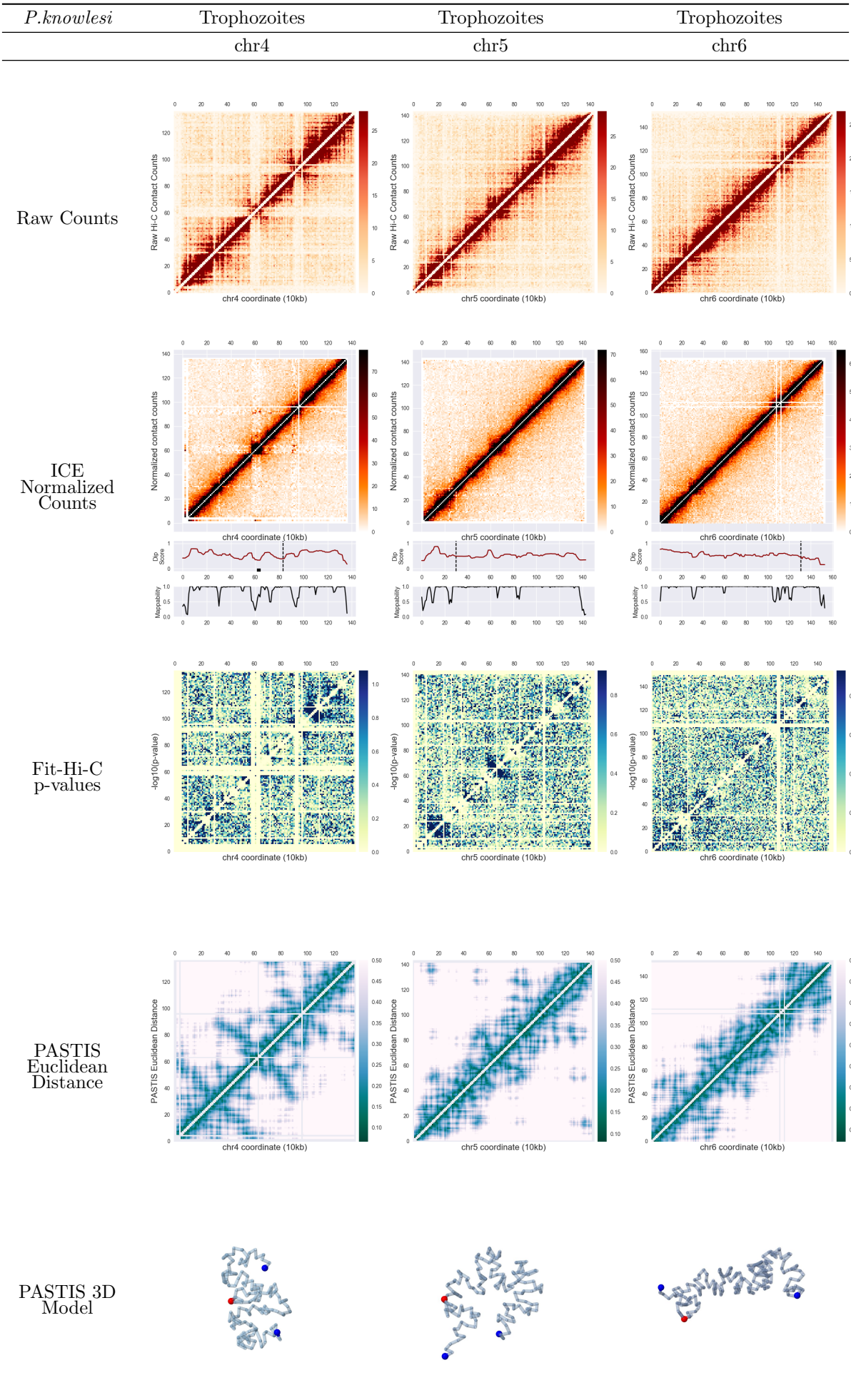


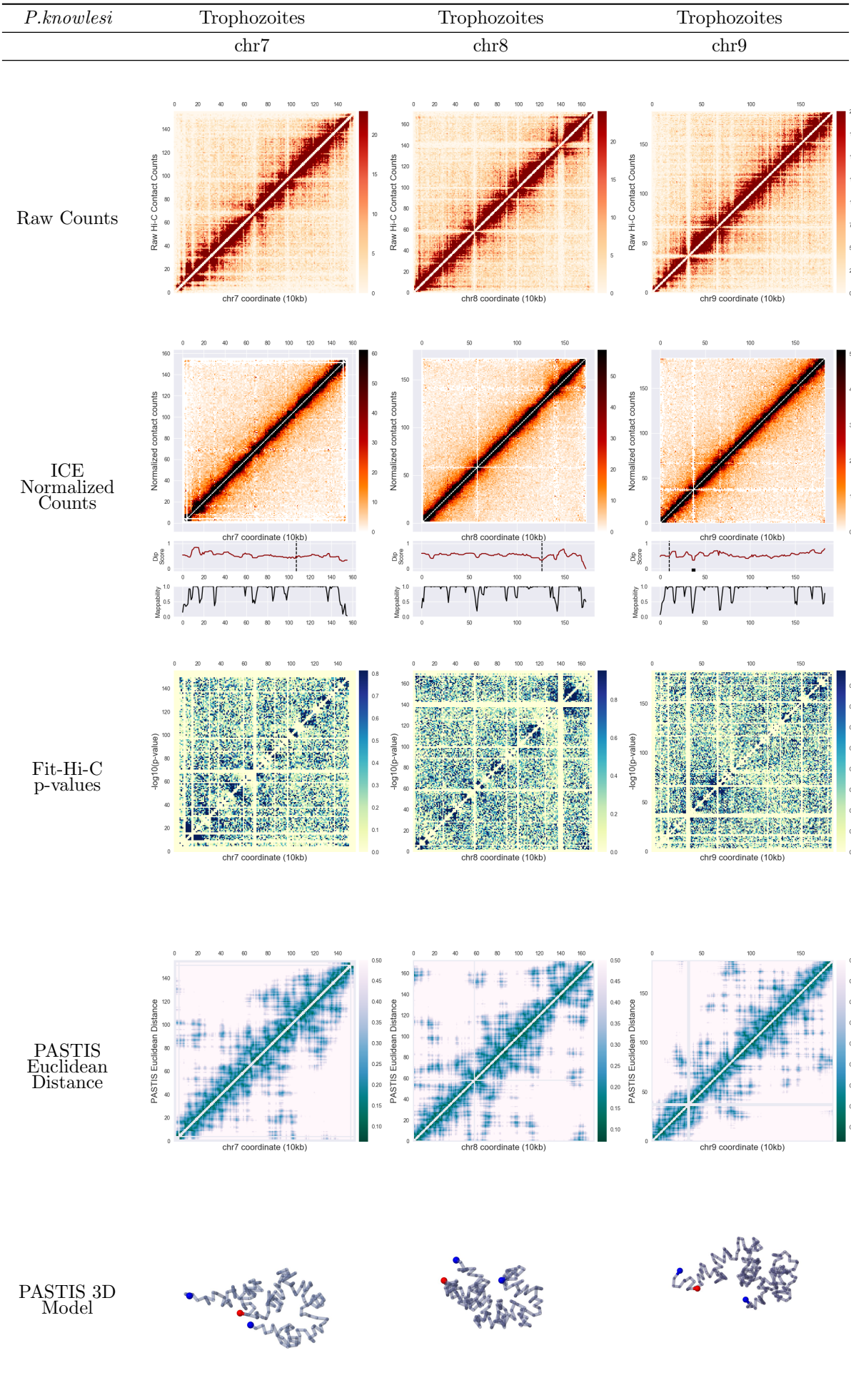
PASTIS 3D Model

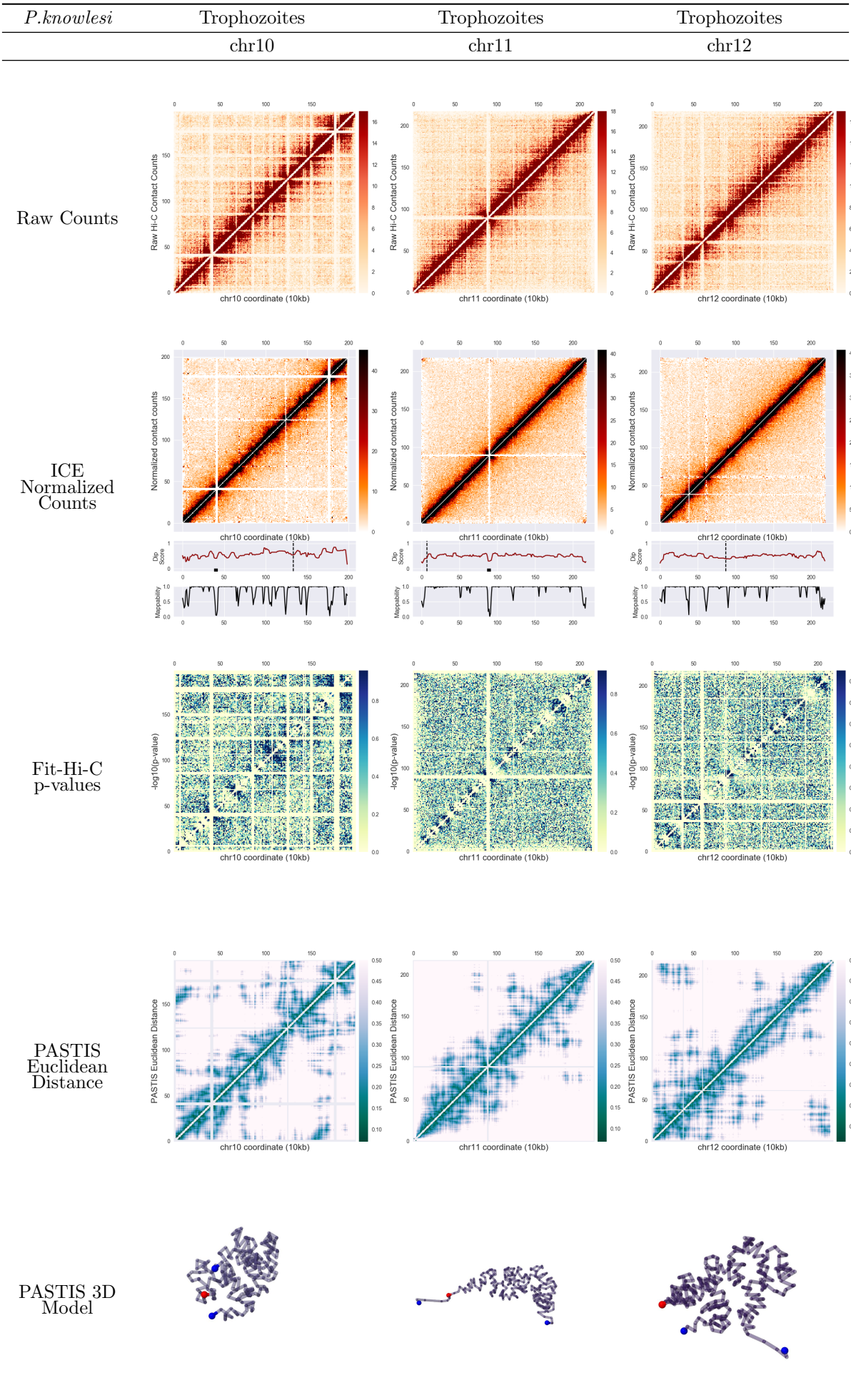




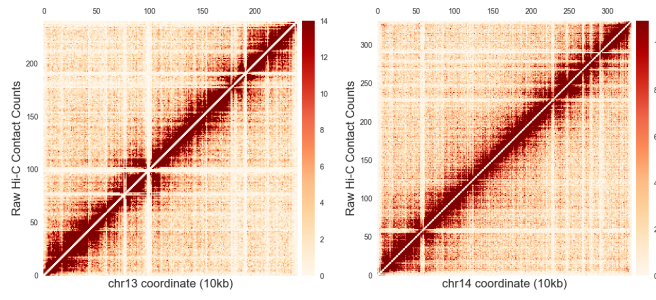




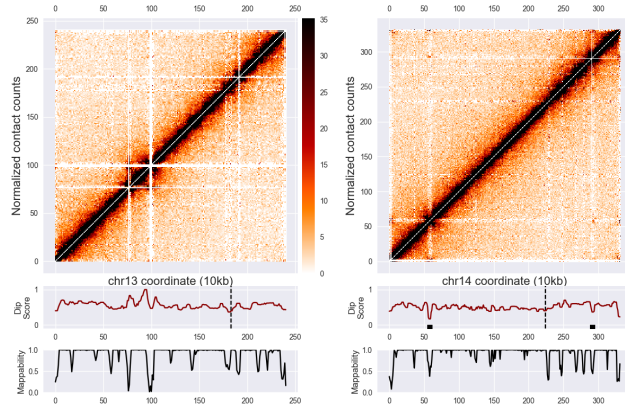




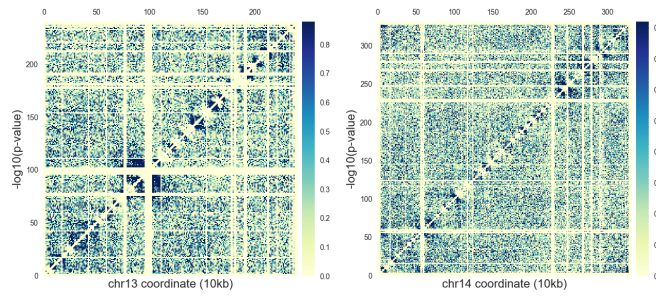
Raw Counts



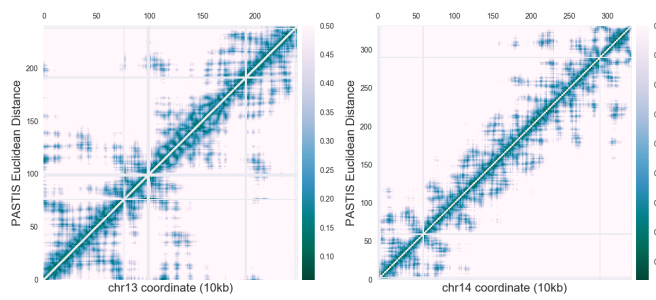
ICE Normalized Counts



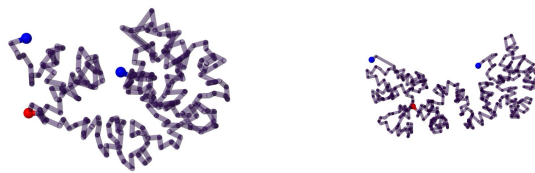
Fit-Hi-C p-values

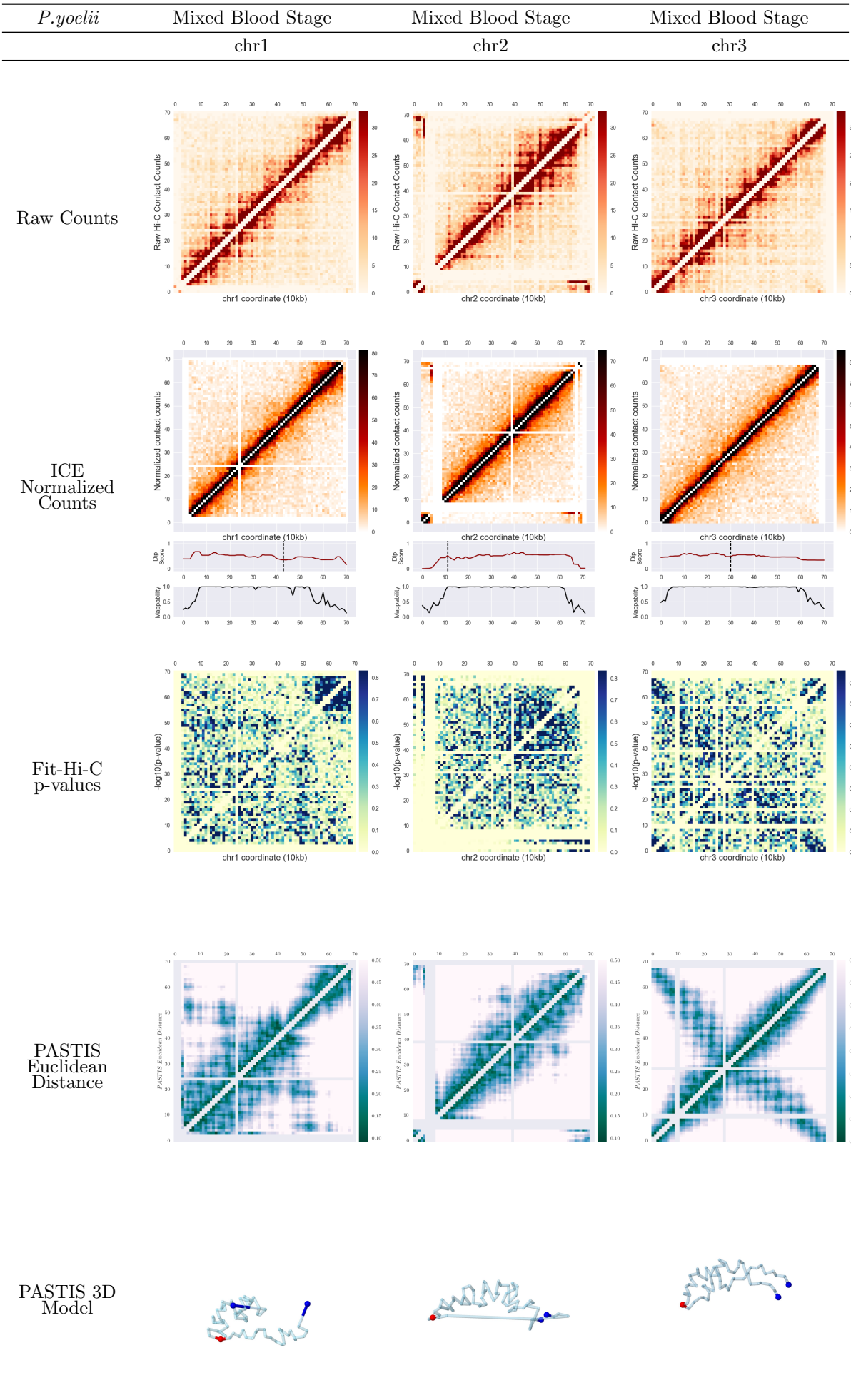


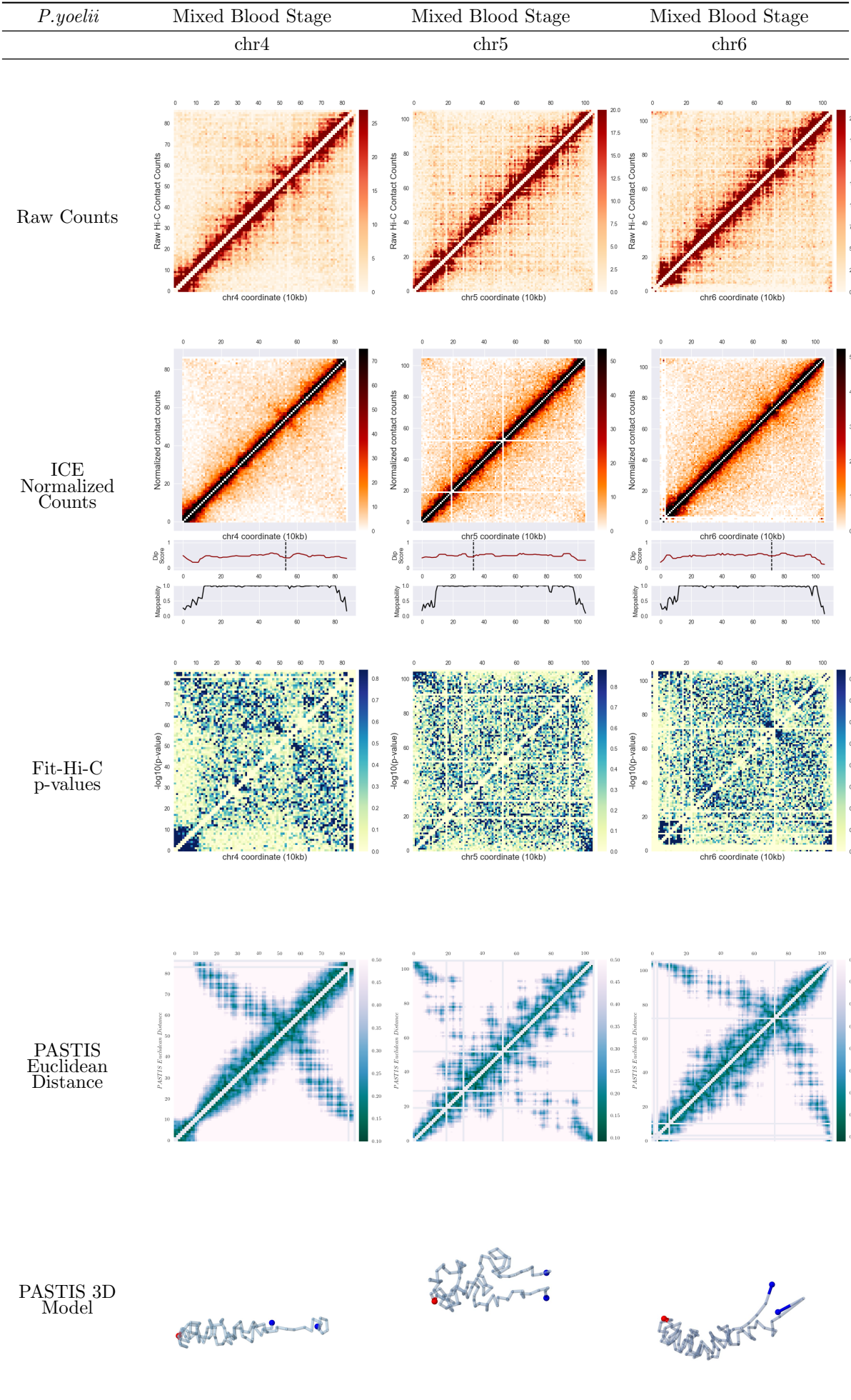
PASTIS Euclidean Distance

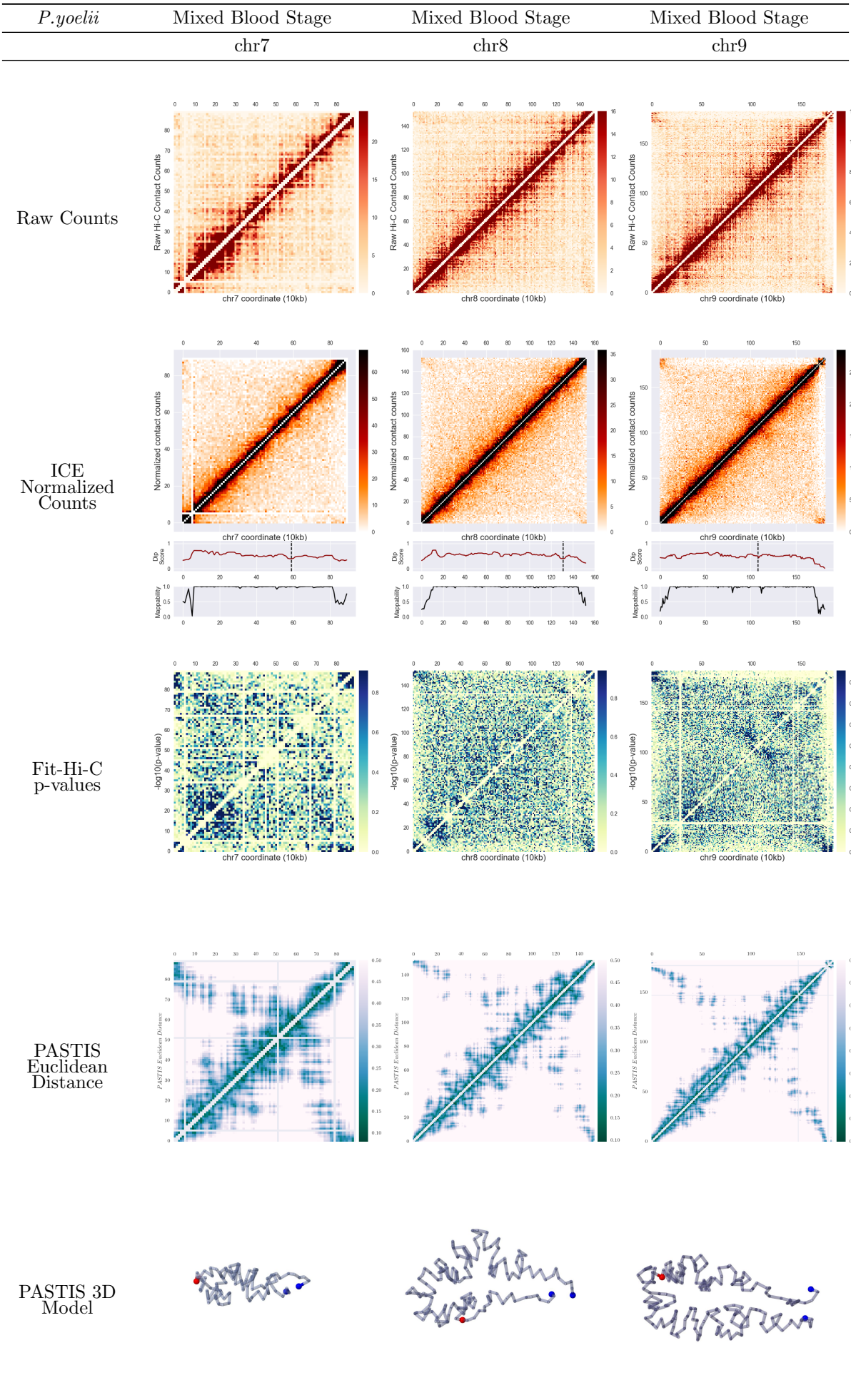


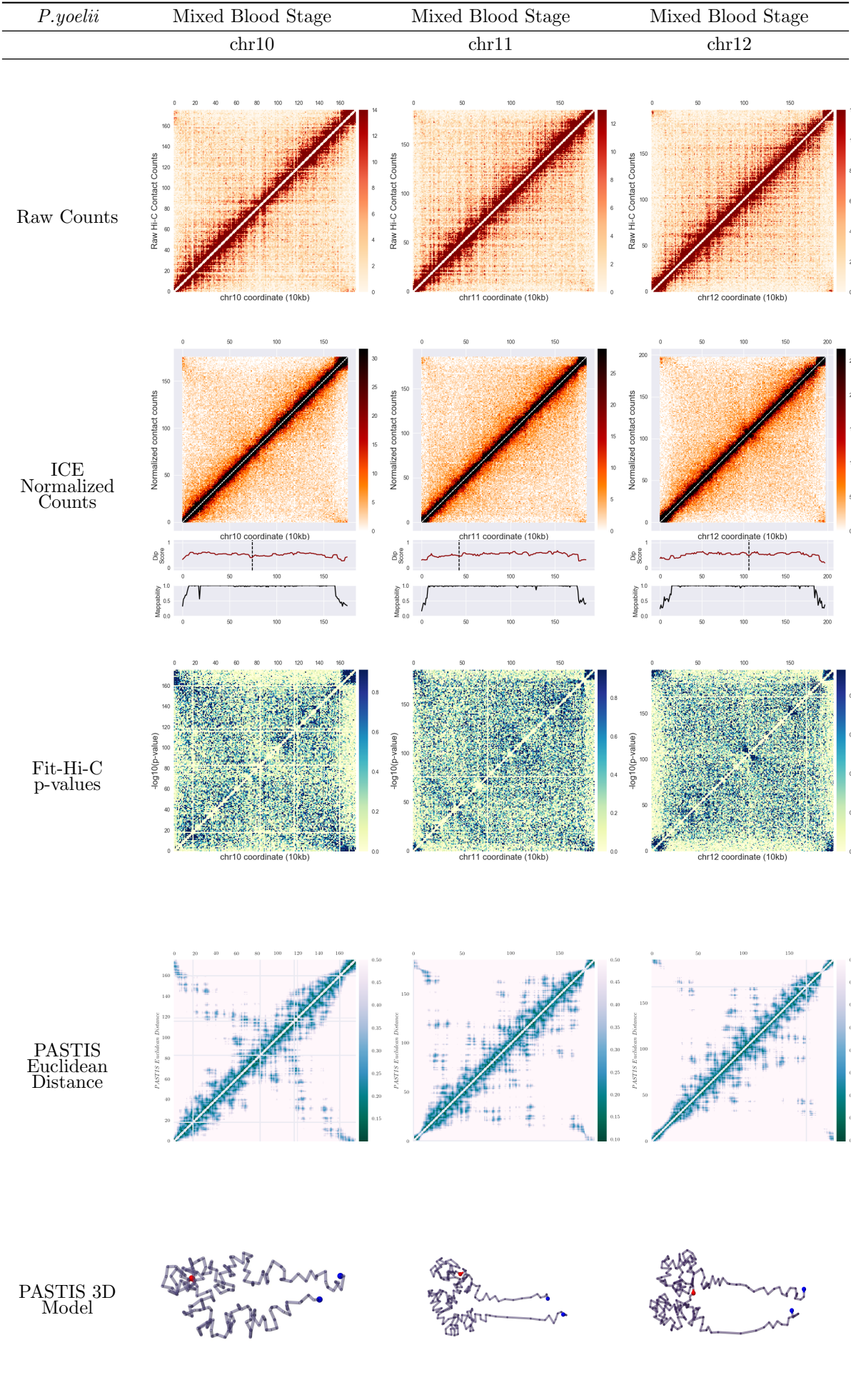
PASTIS 3D Model



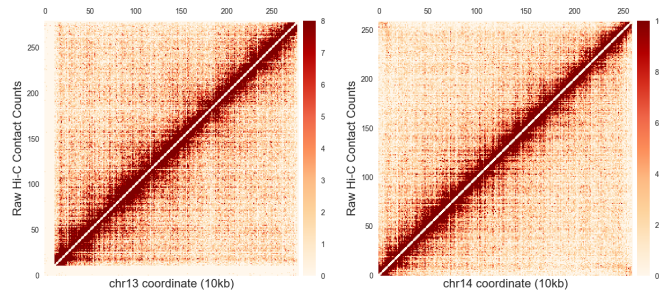




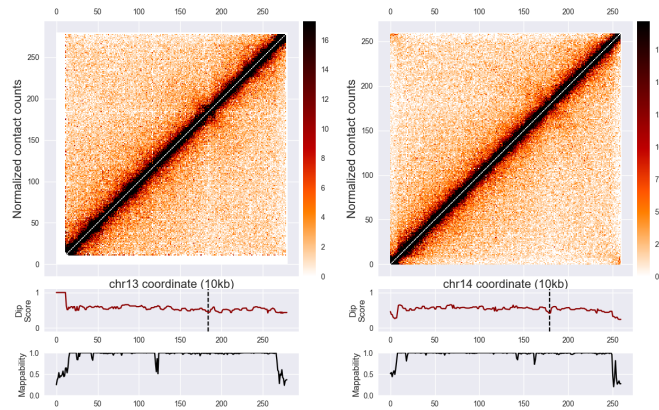




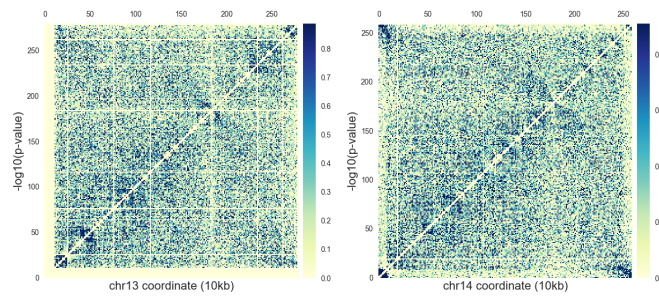
Raw Counts



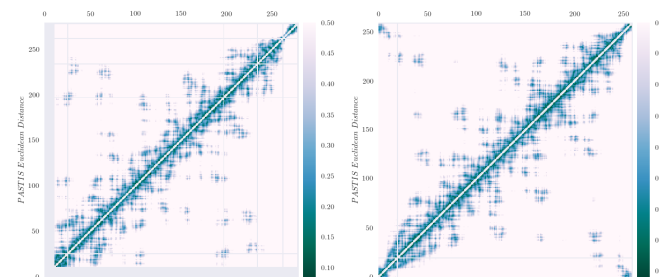
ICE Normalized Counts



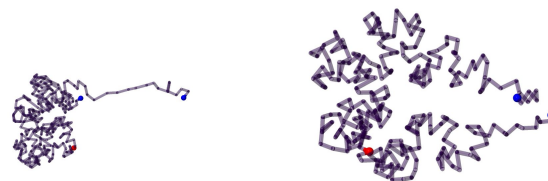
Fit-Hi-C p-values

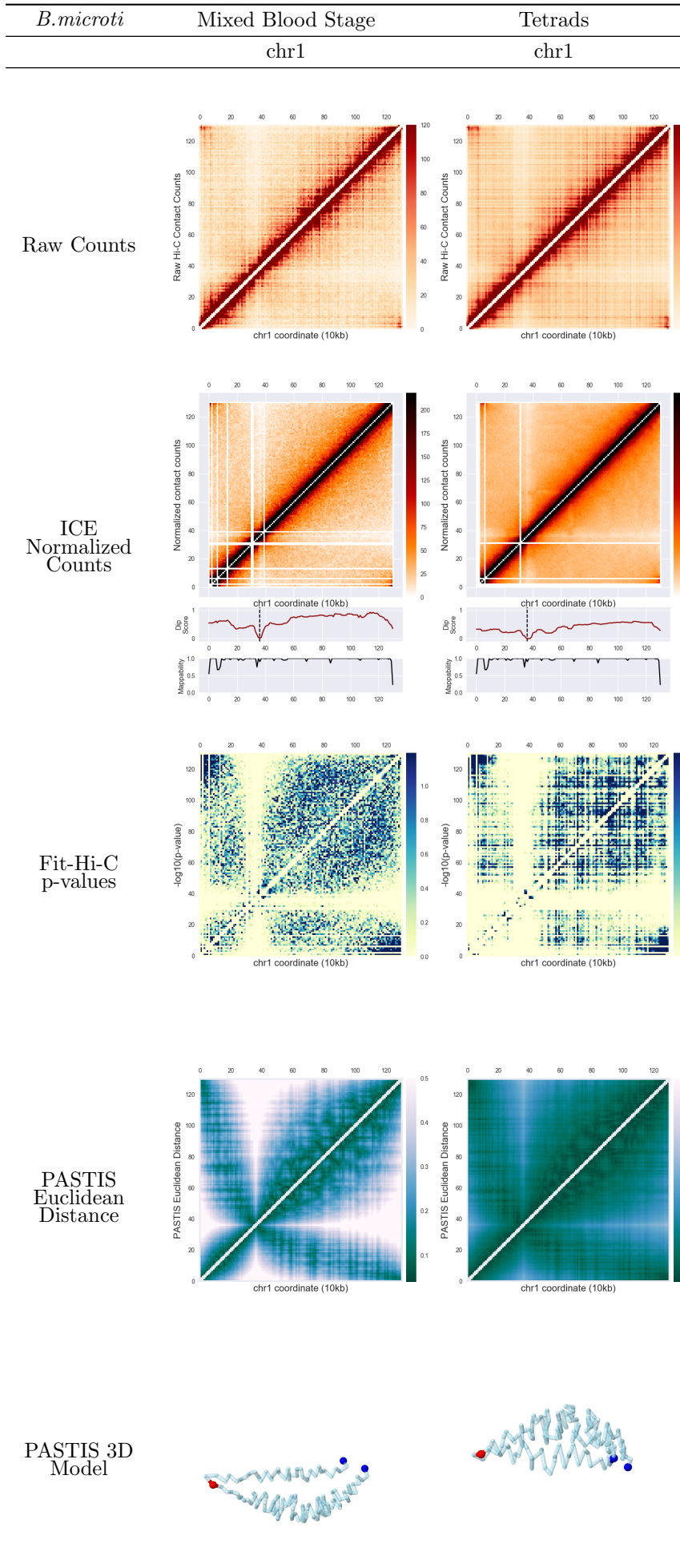


PASTIS Euclidean Distance

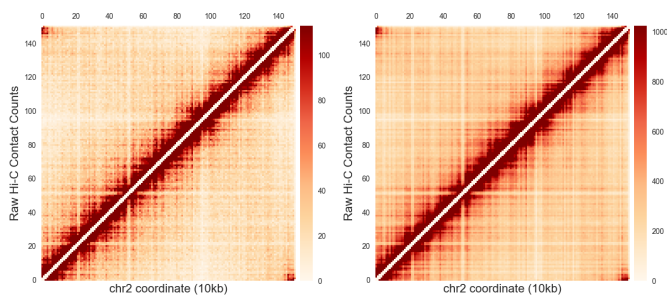


PASTIS 3D Model

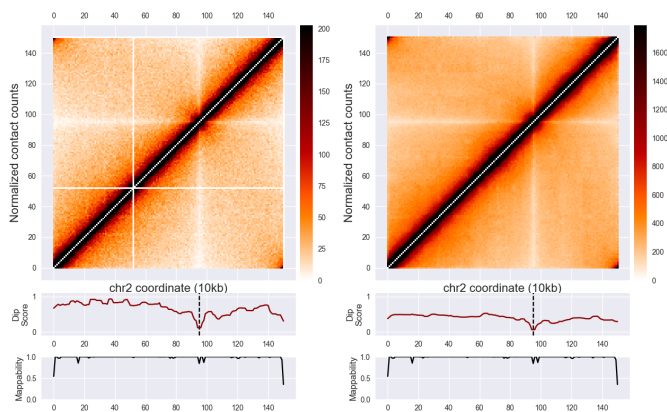




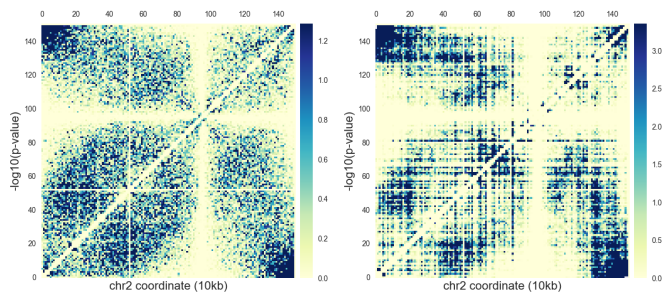
Raw Counts



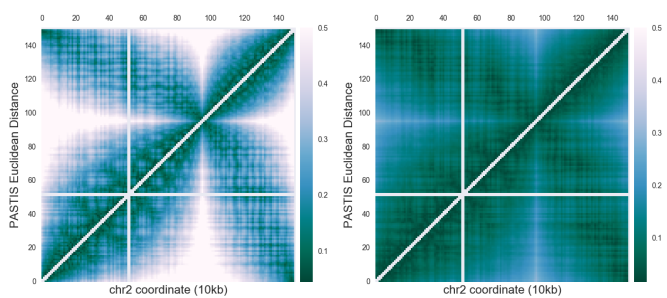
ICE Normalized Counts



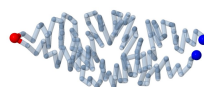
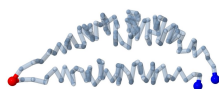
Fit-Hi-C p-values



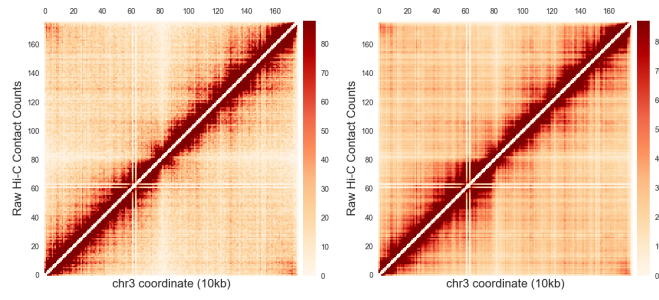
PASTIS Euclidean Distance



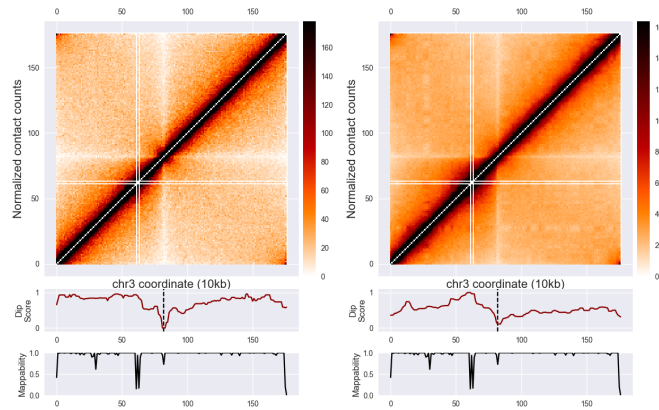
PASTIS 3D Model



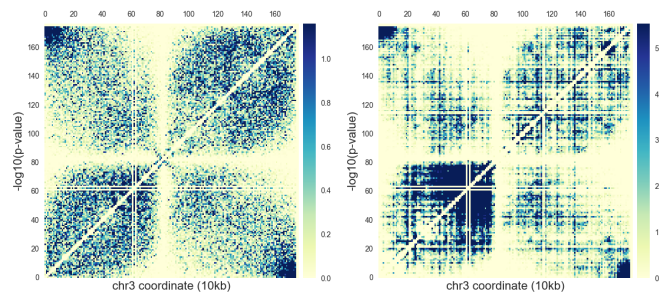
Raw Counts



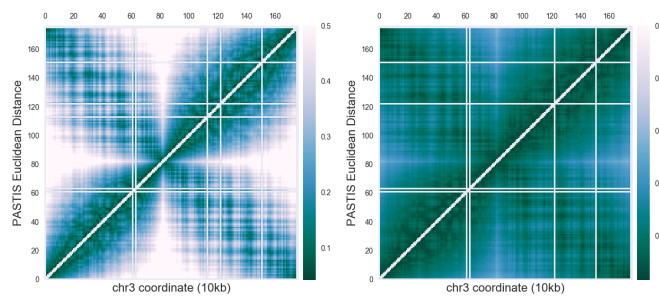
ICE Normalized Counts



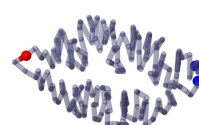
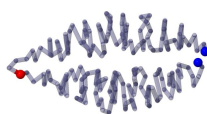
Fit-Hi-C p-values

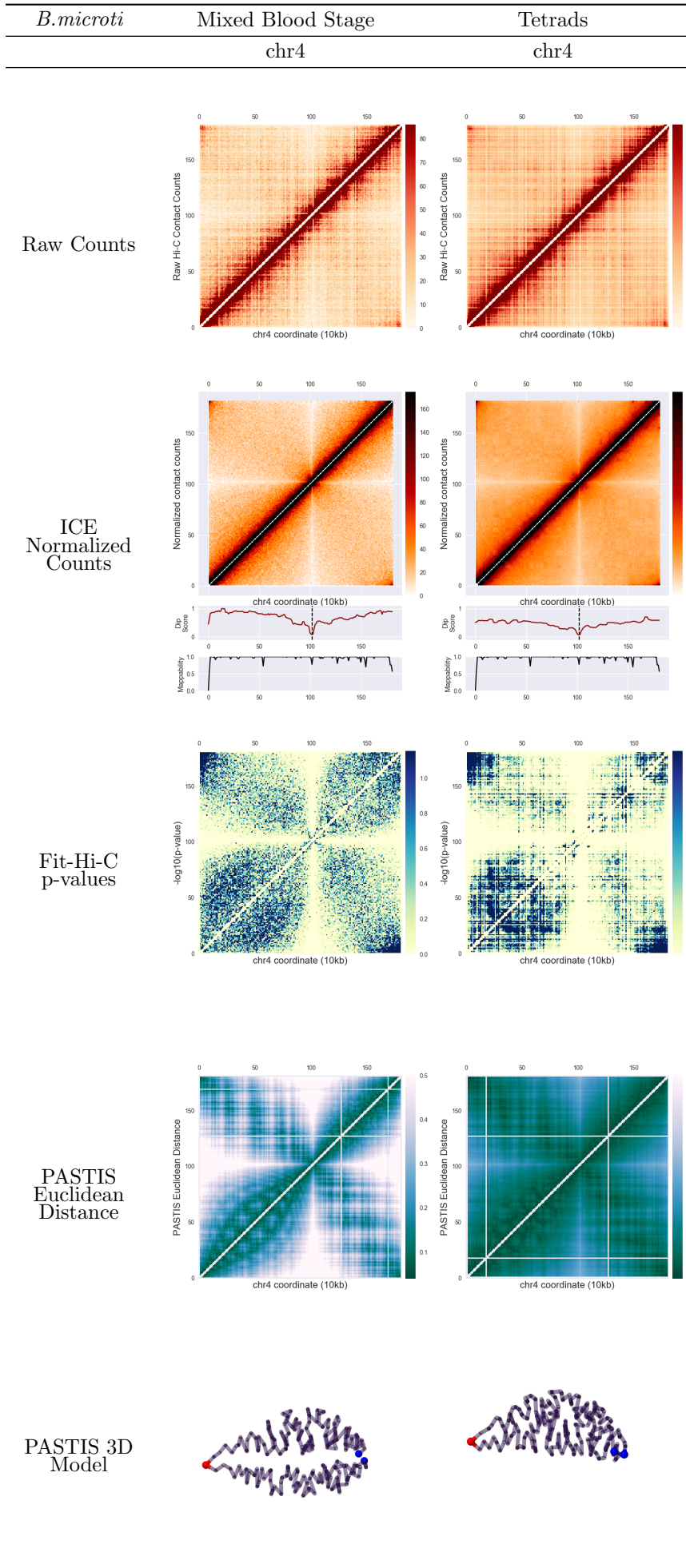


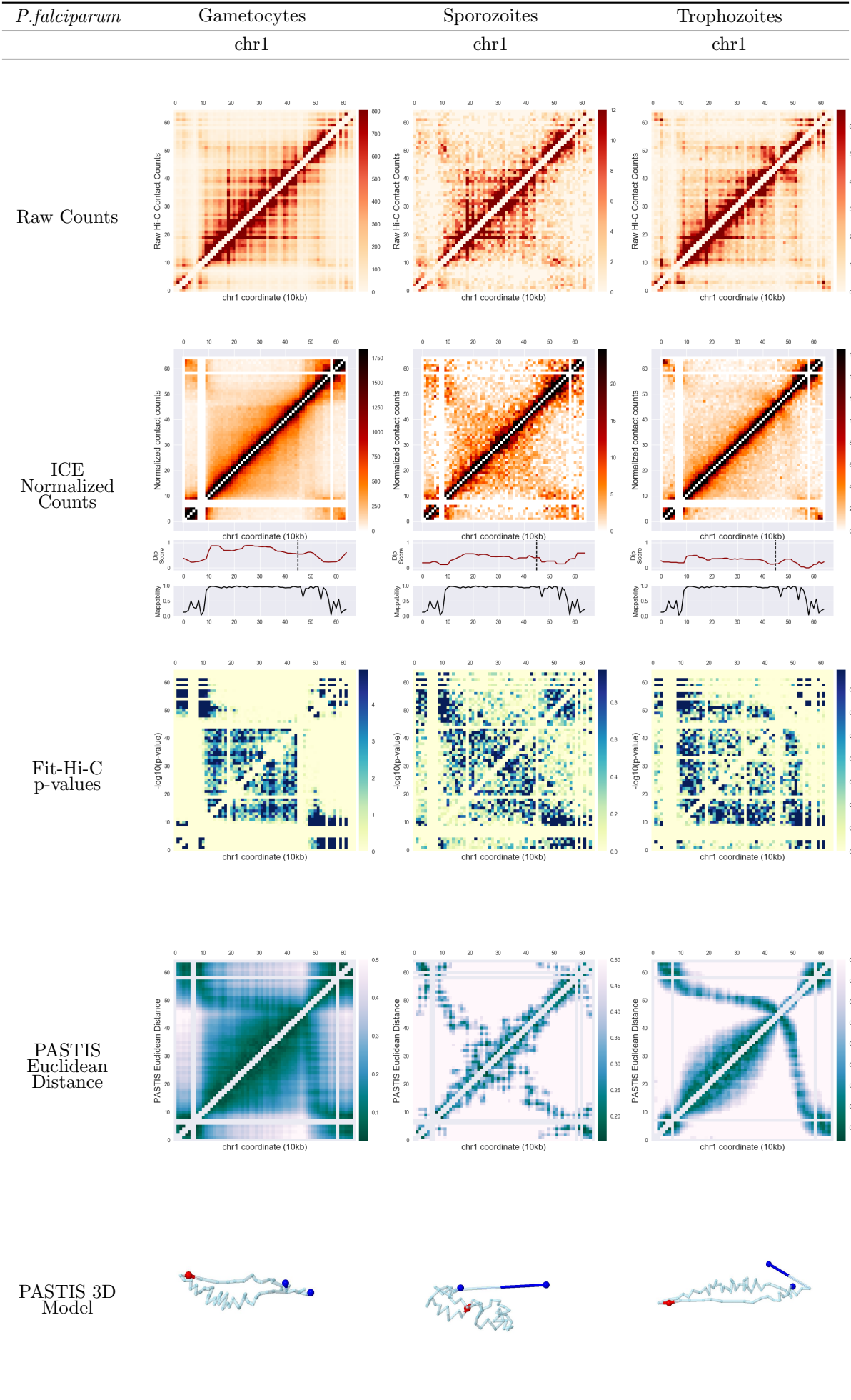
PASTIS Euclidean Distance

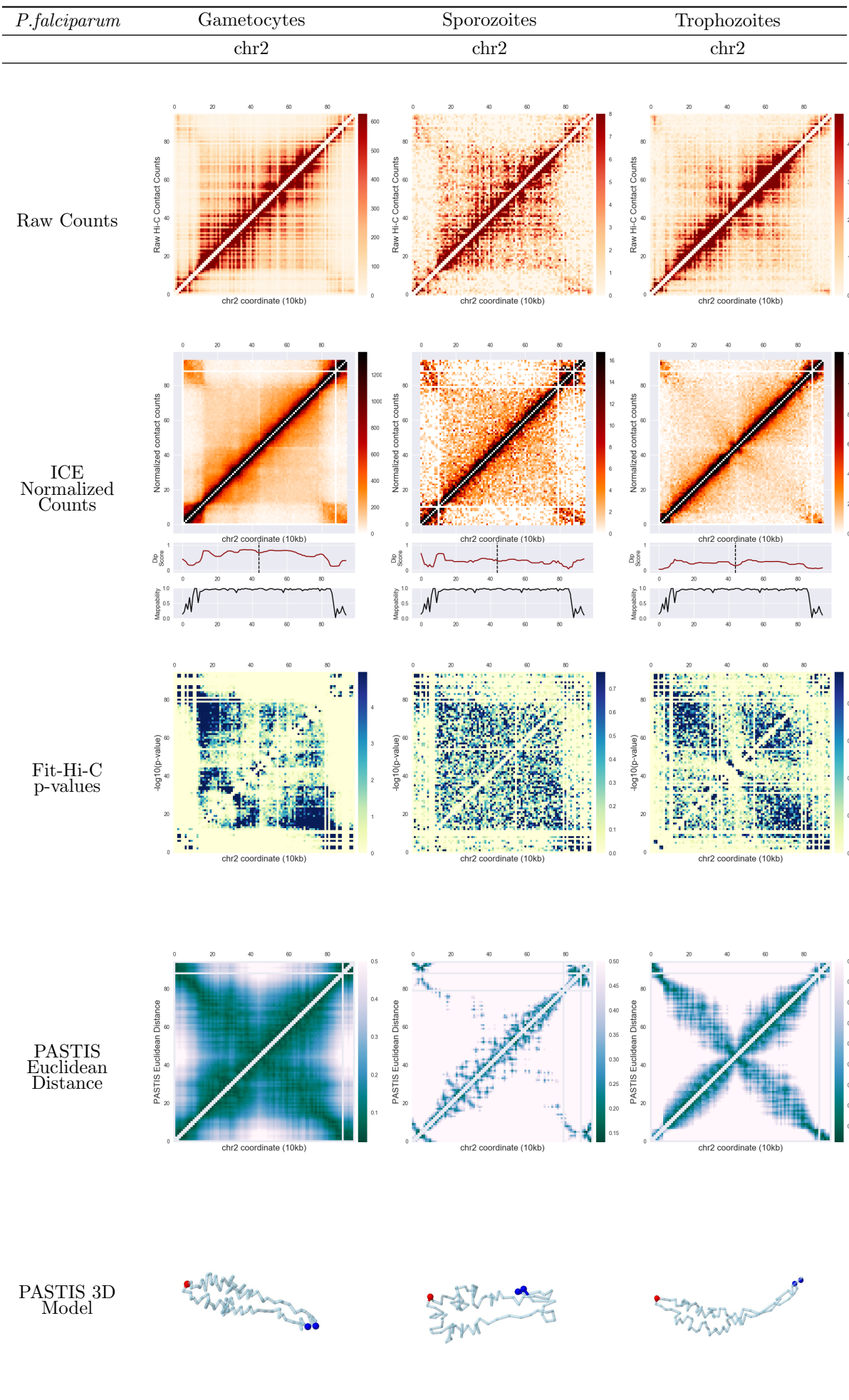


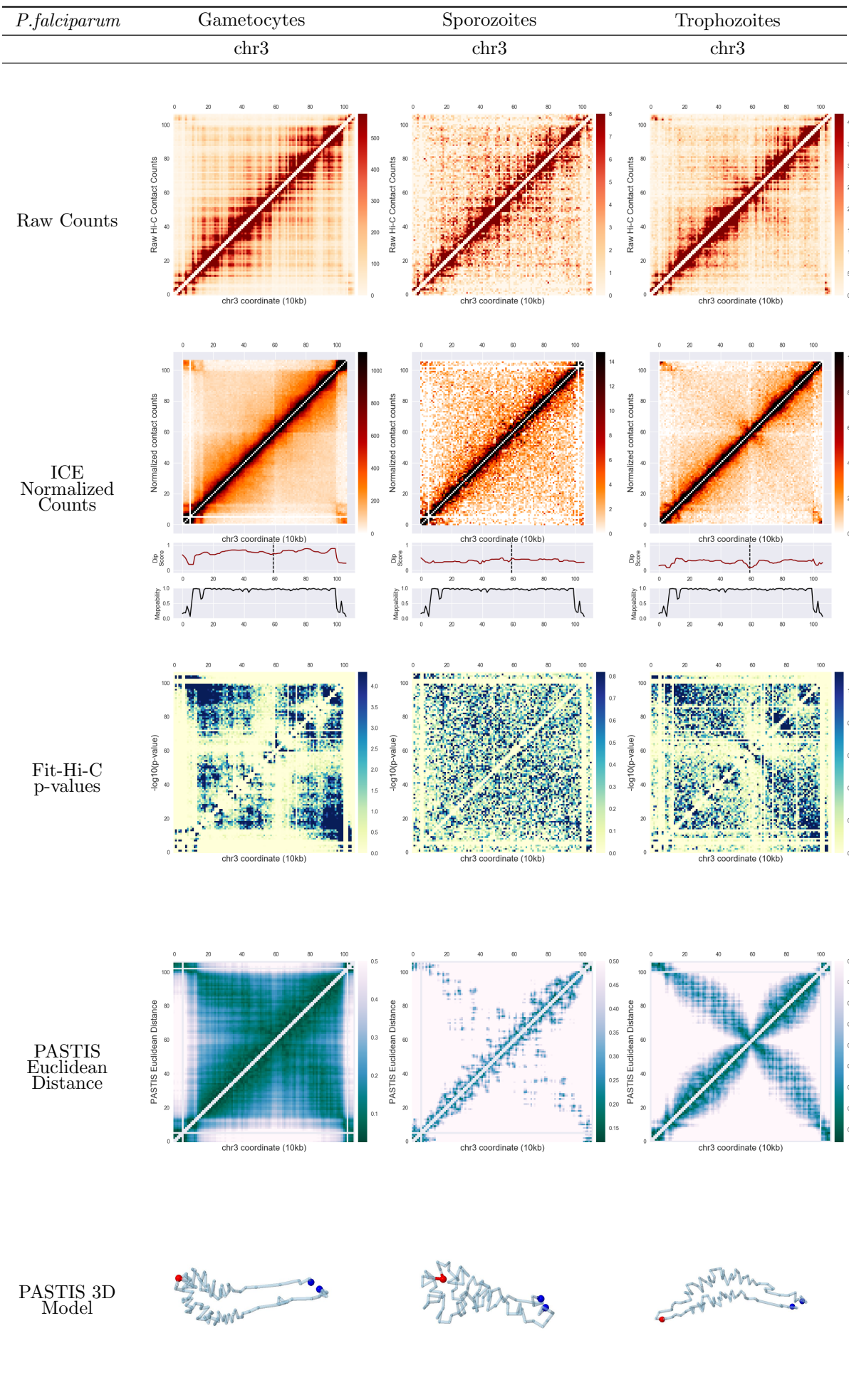
PASTIS 3D Model

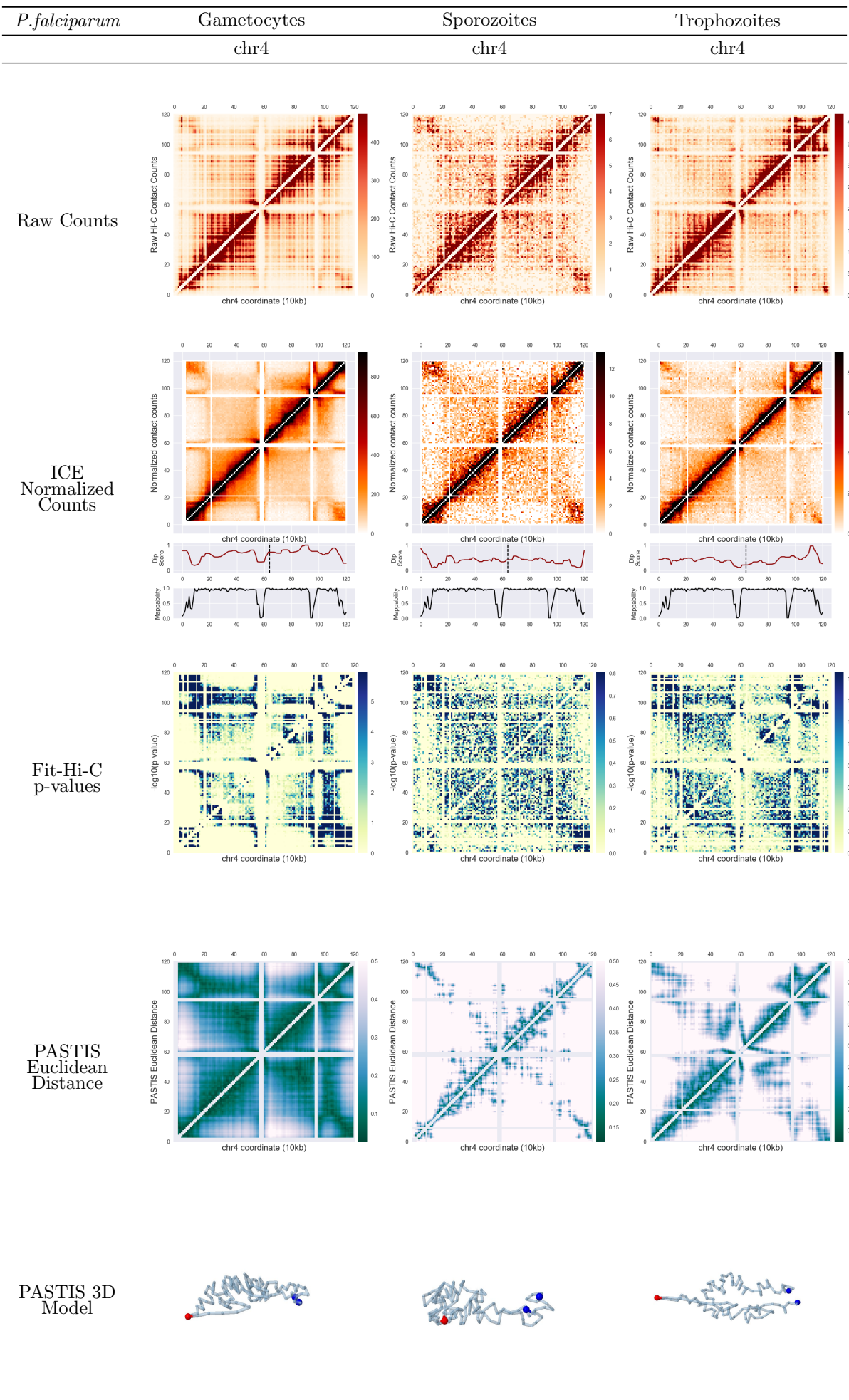


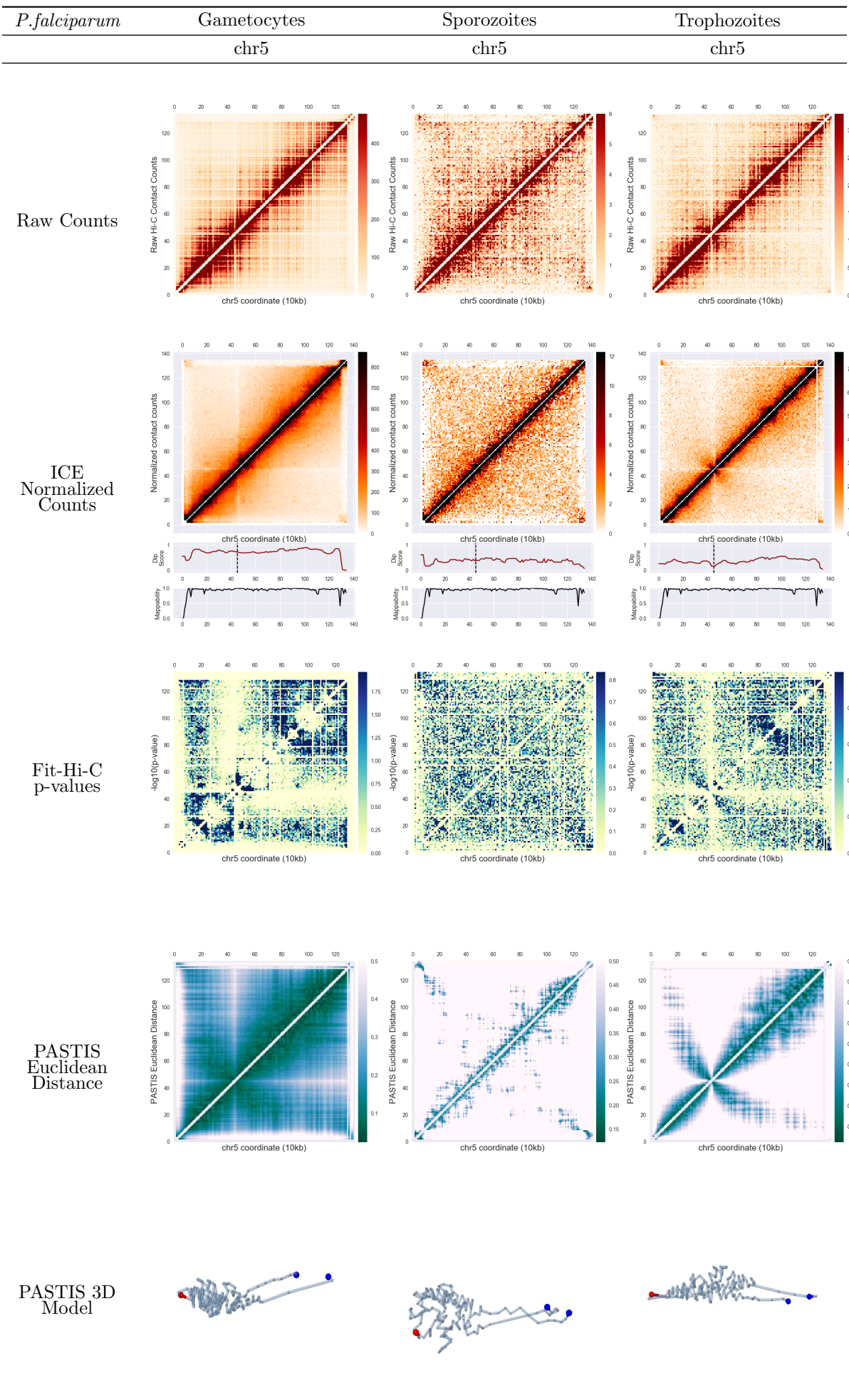


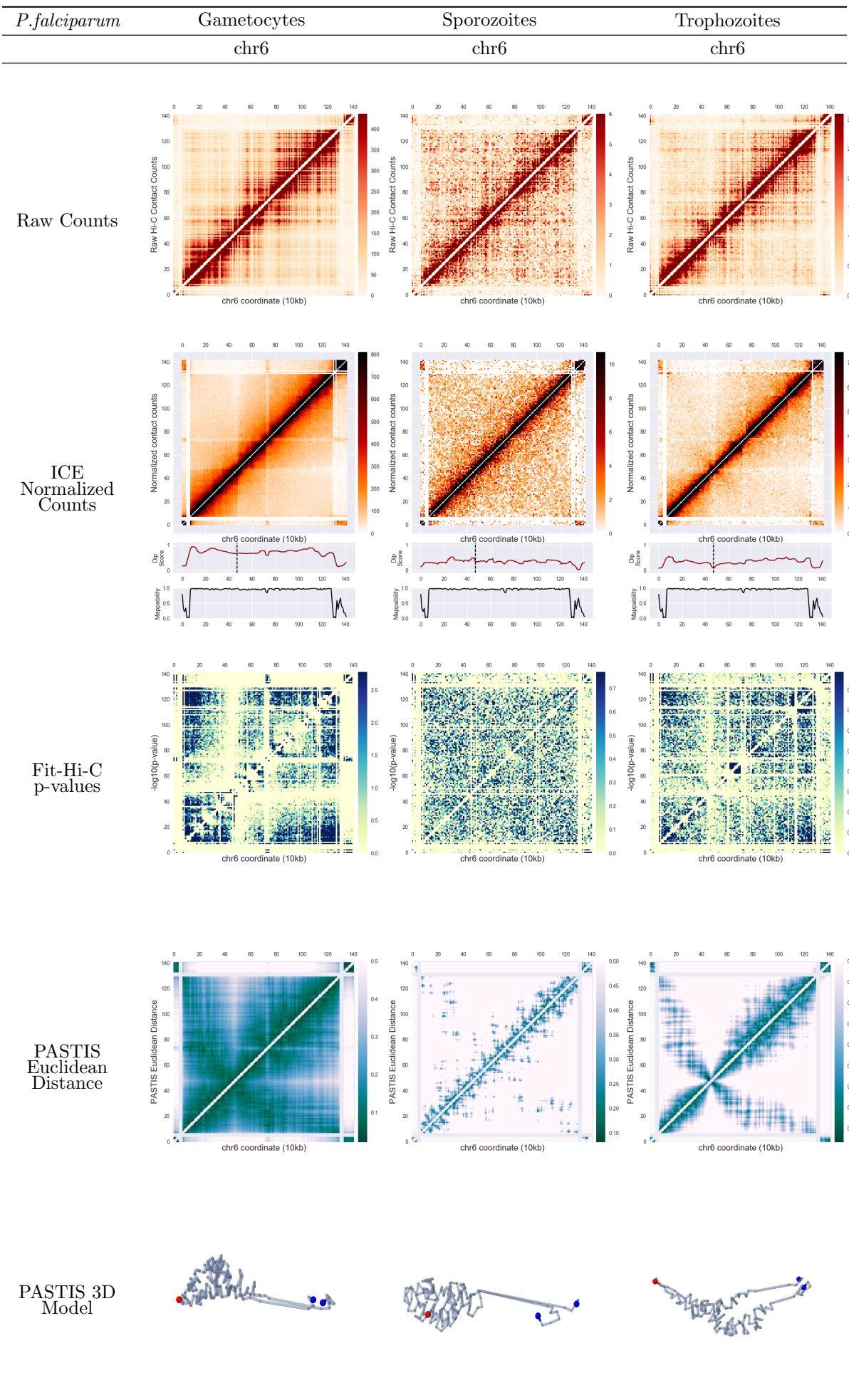




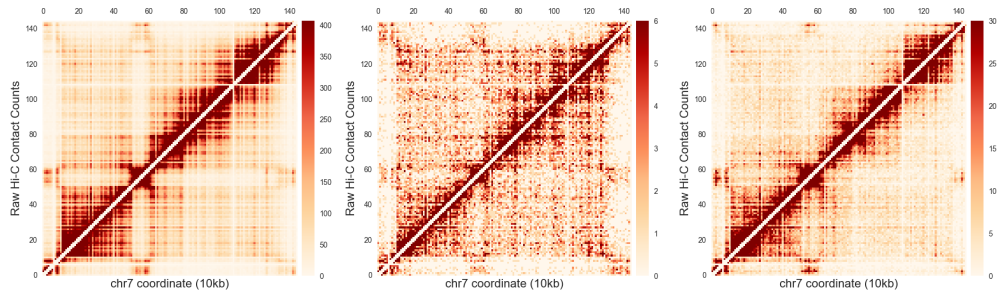




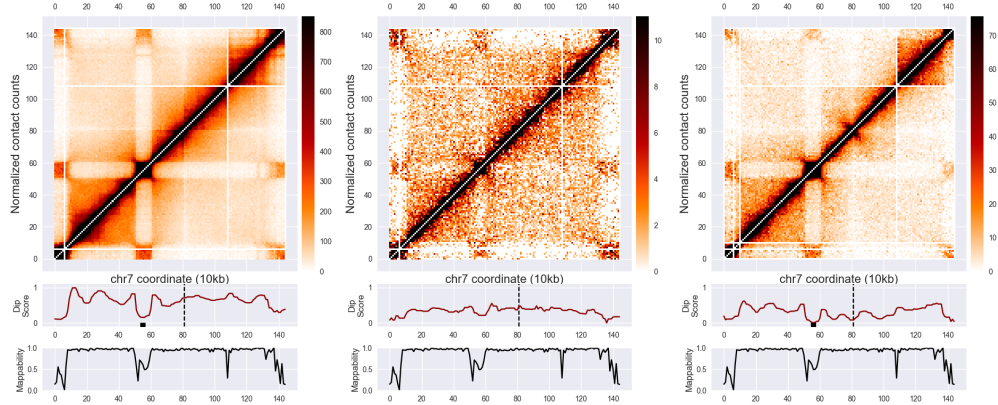




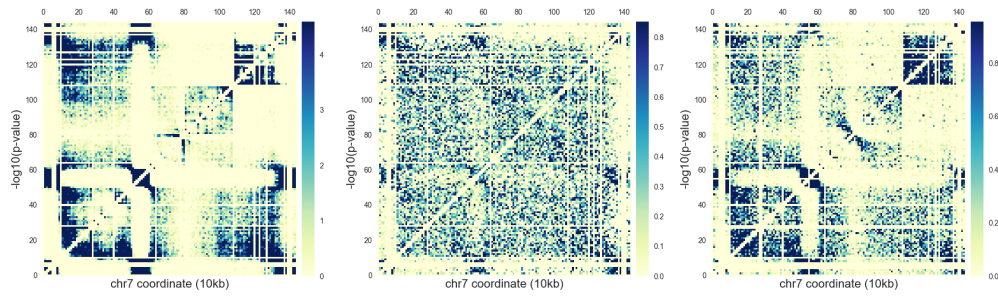
Raw Counts



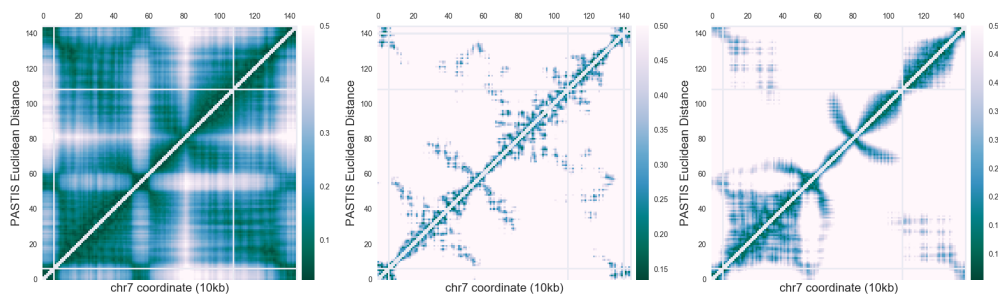
ICE Normalized Counts



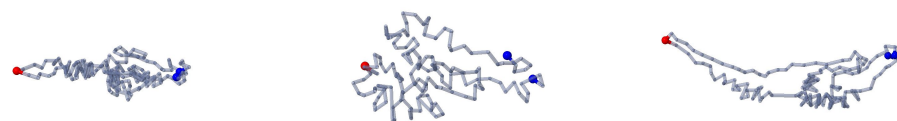
Fit-Hi-C p-values

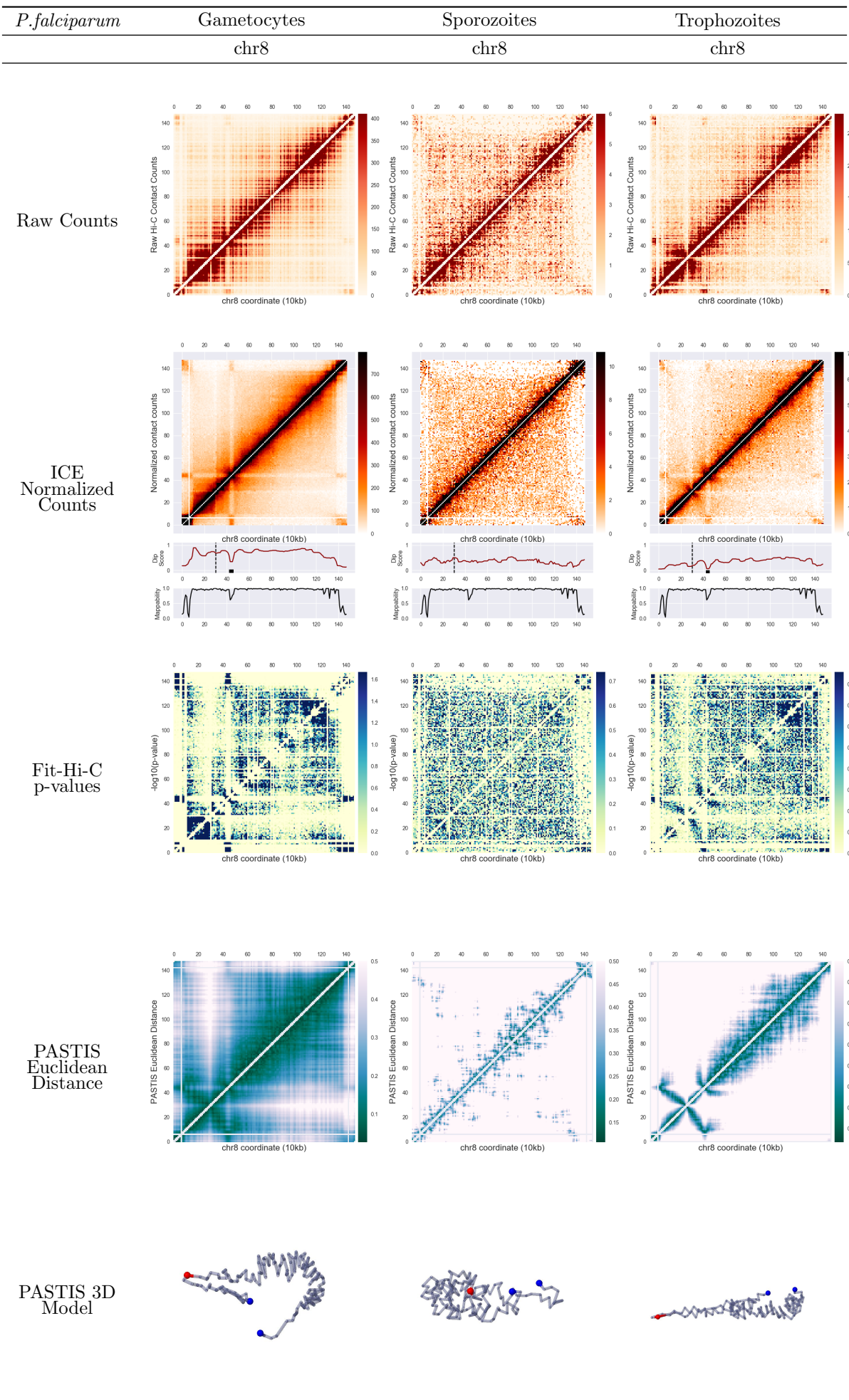


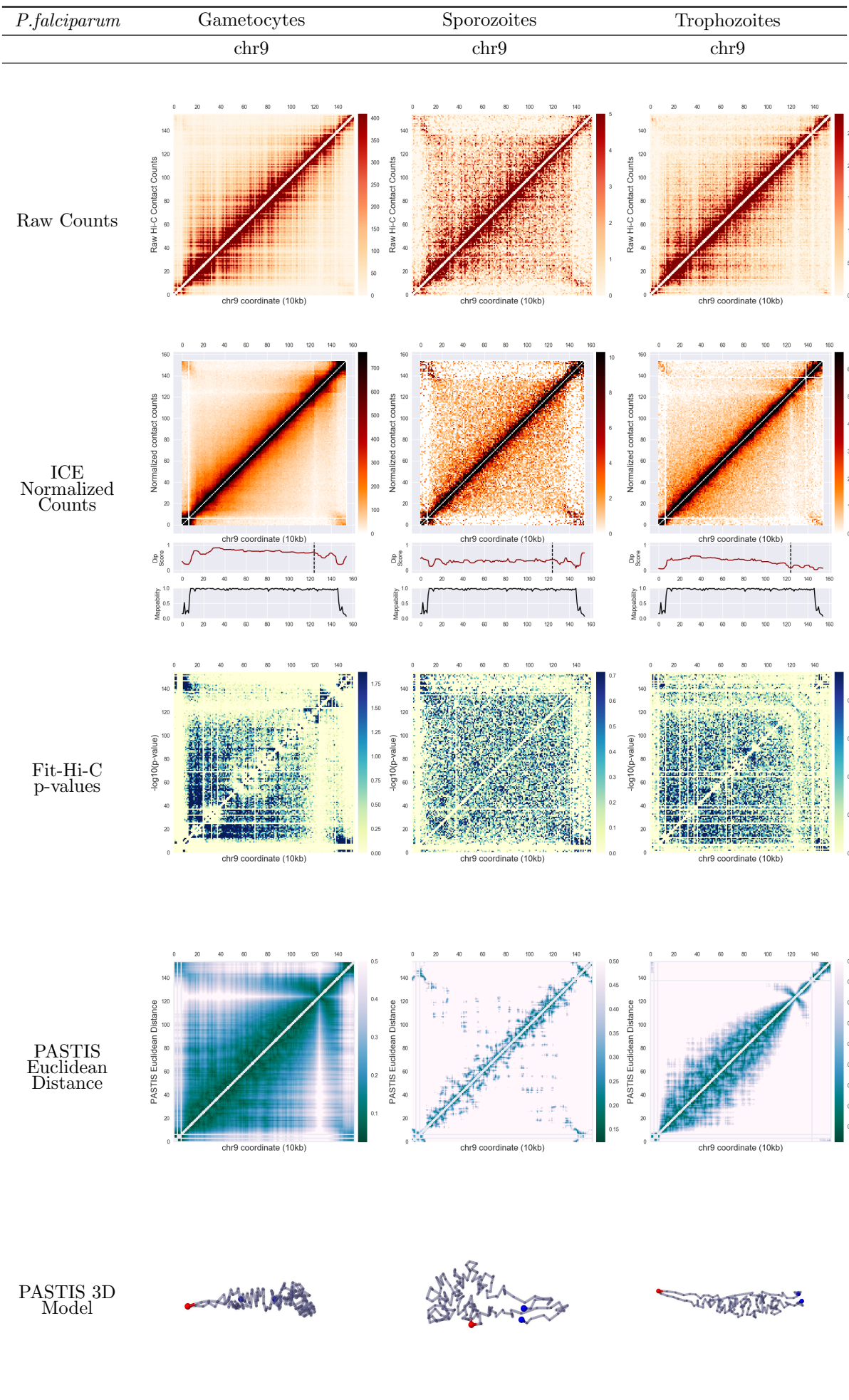
PASTIS Euclidean Distance

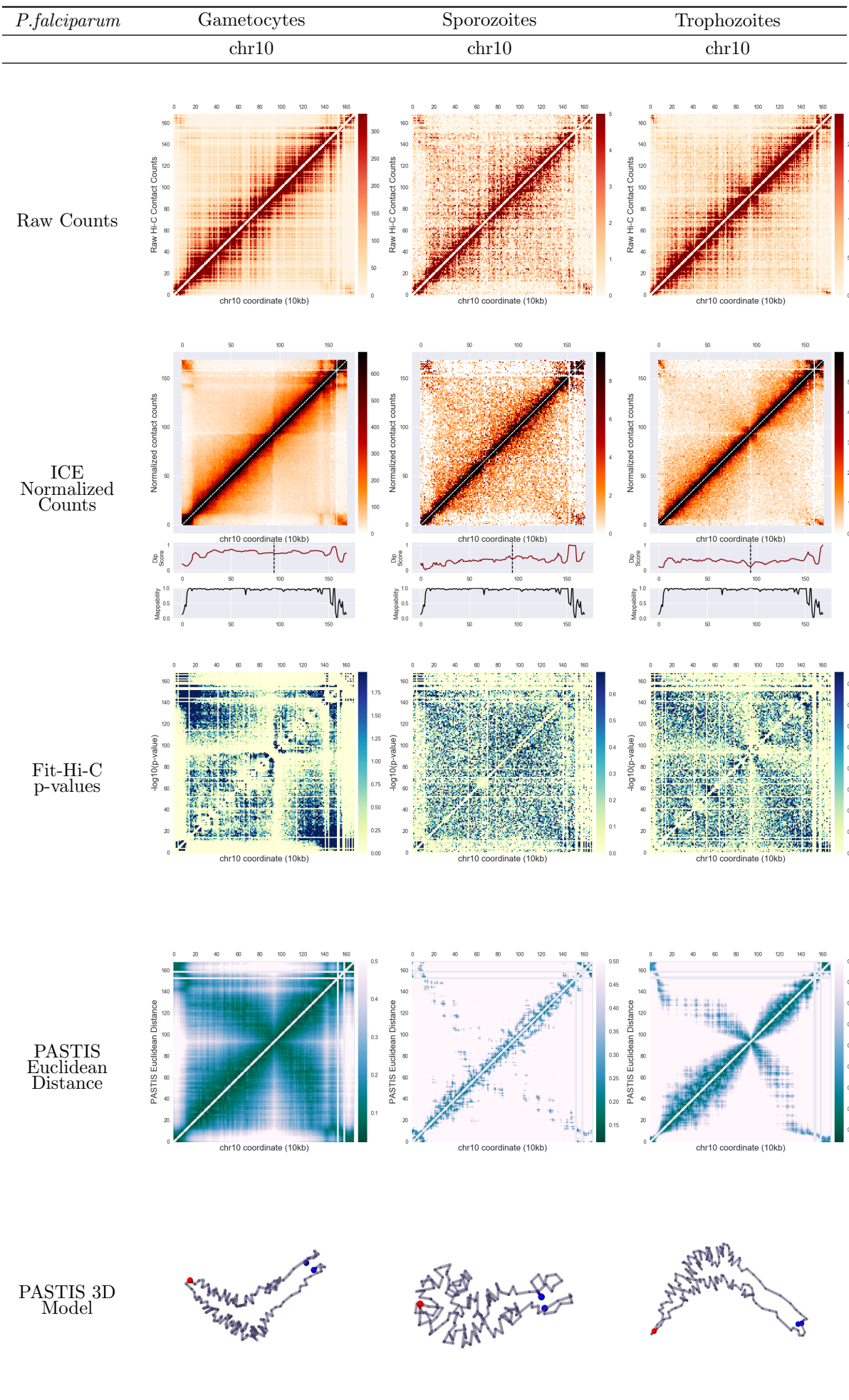


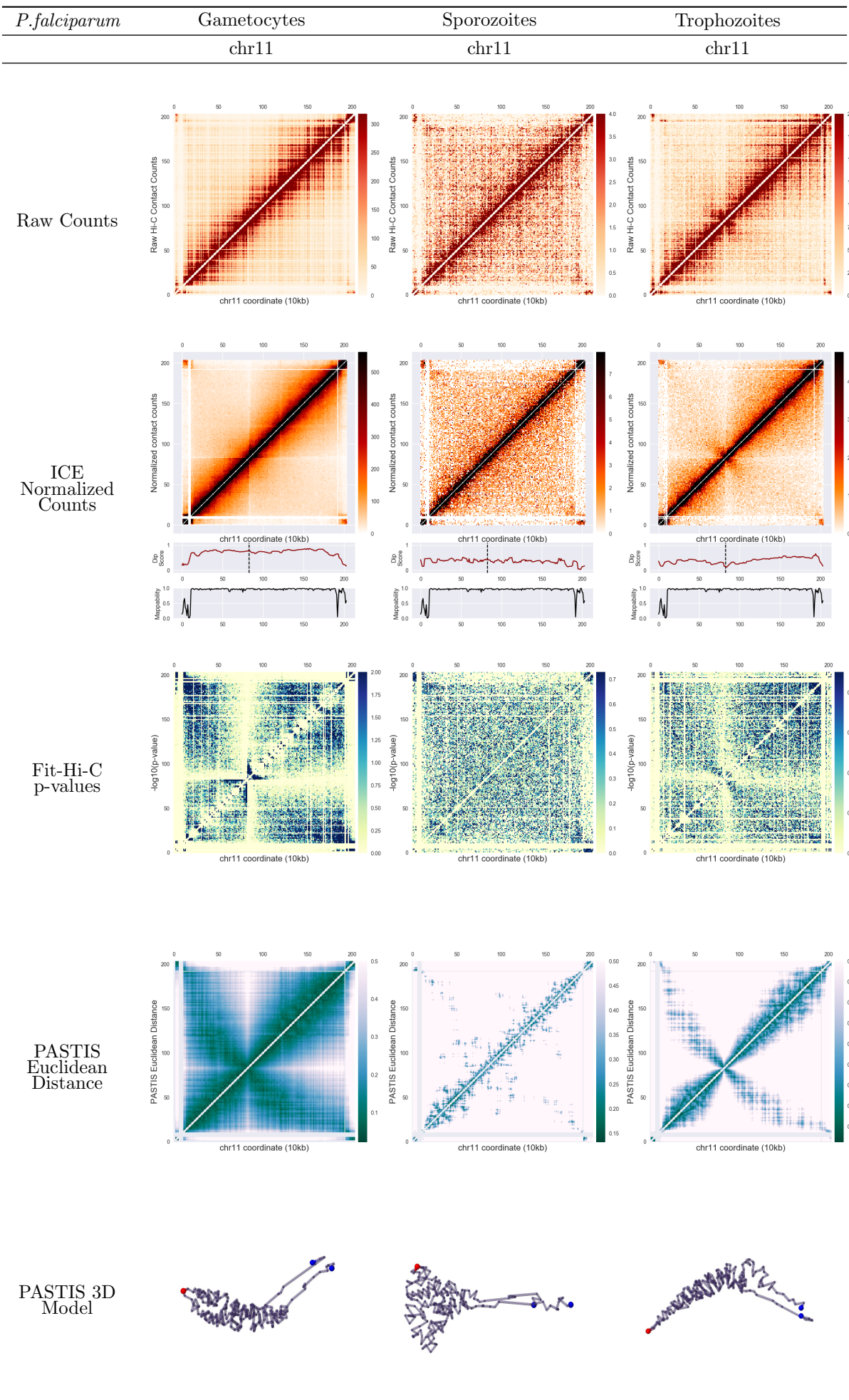
PASTIS 3D Model

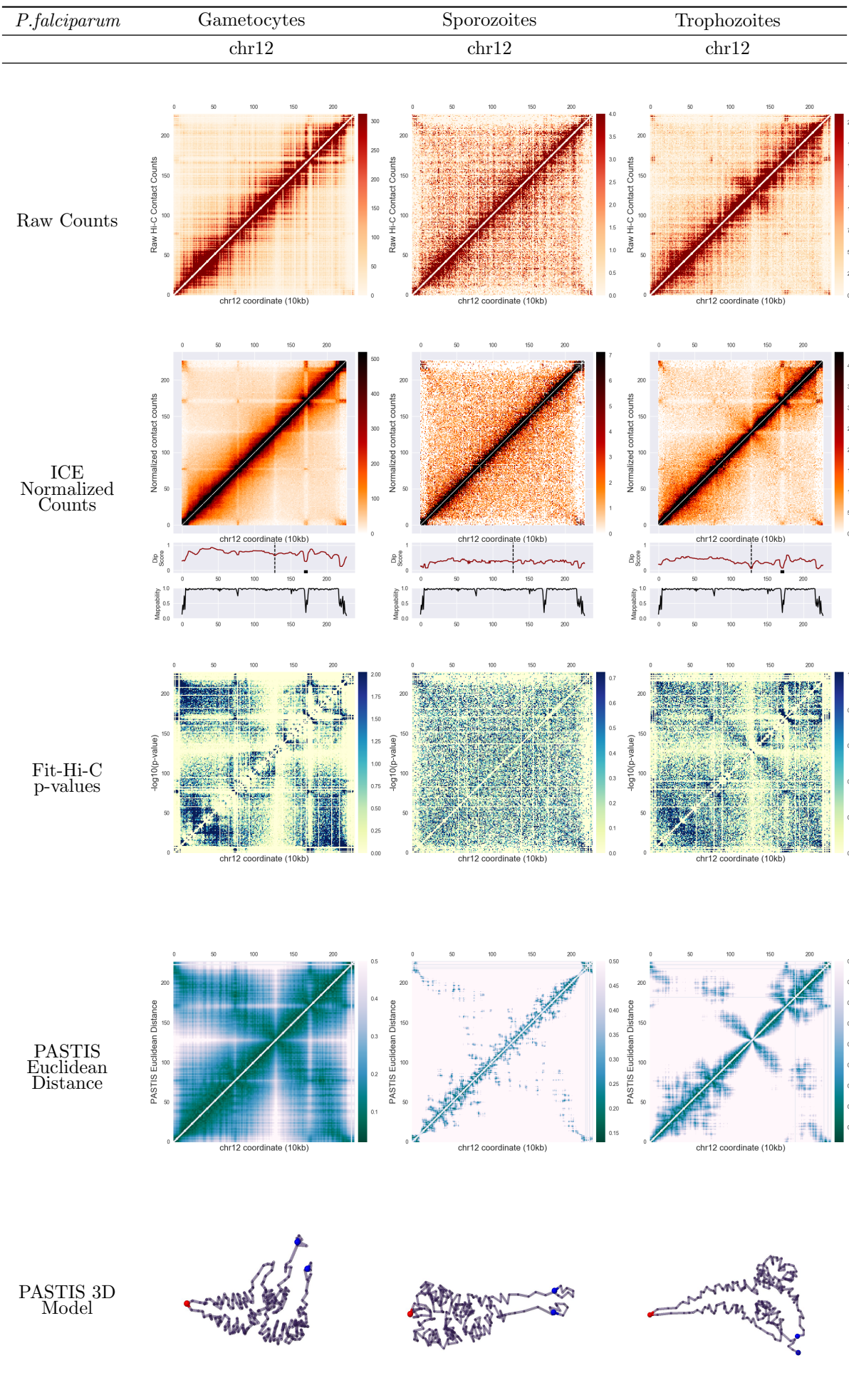


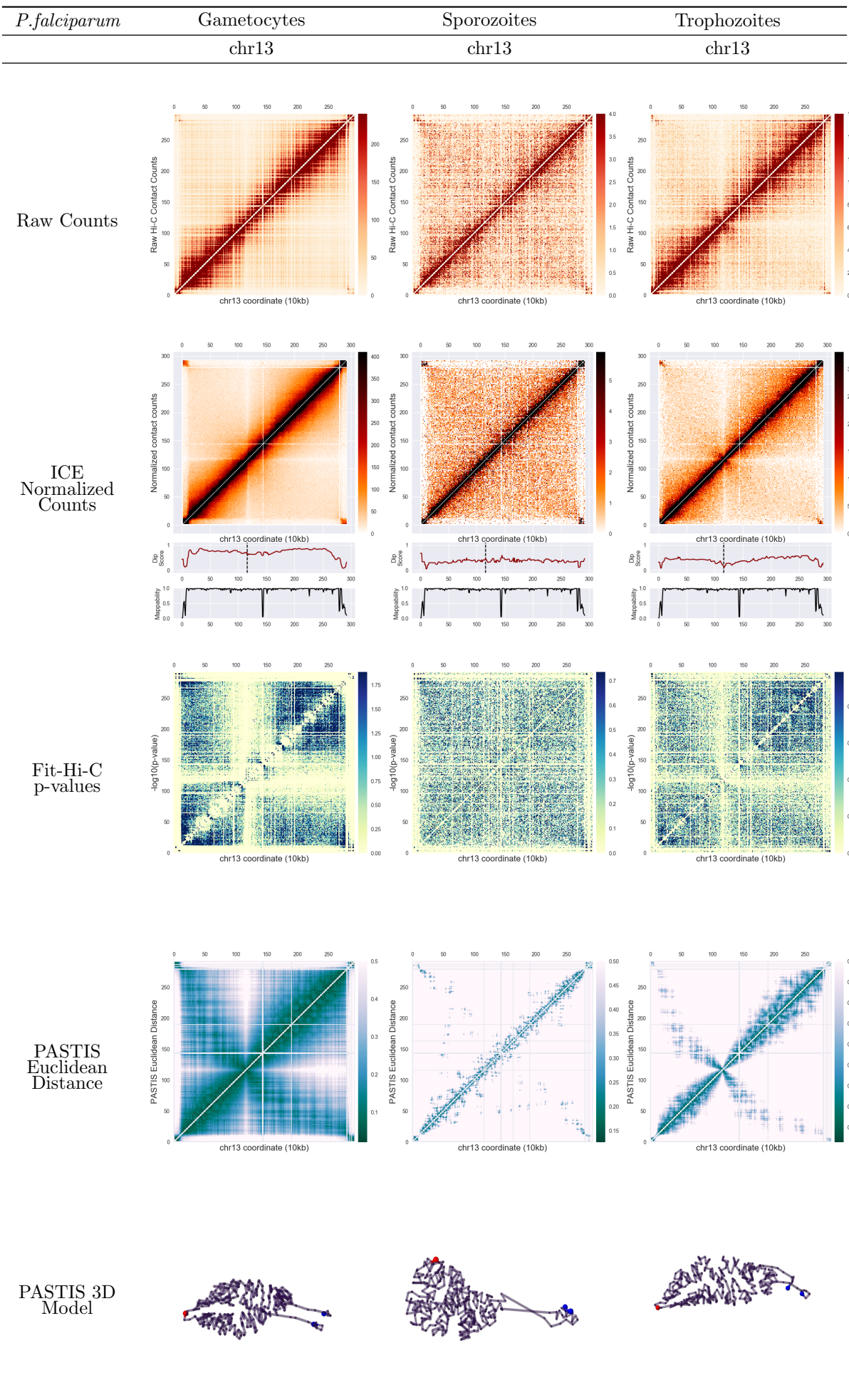




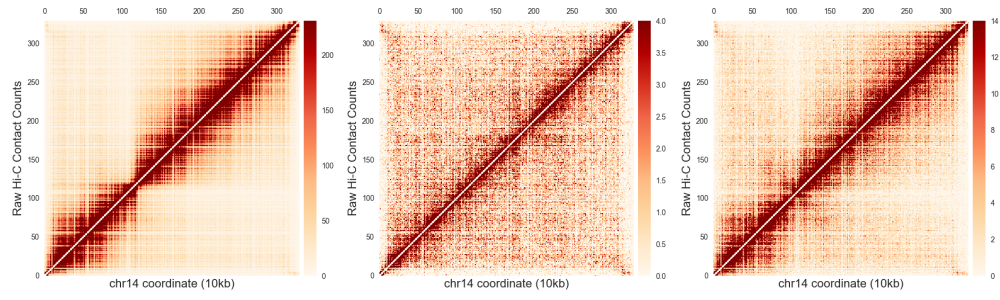




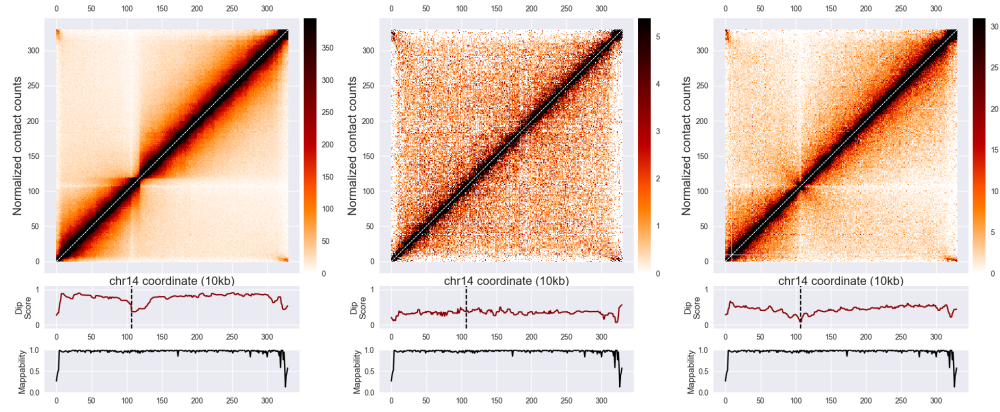




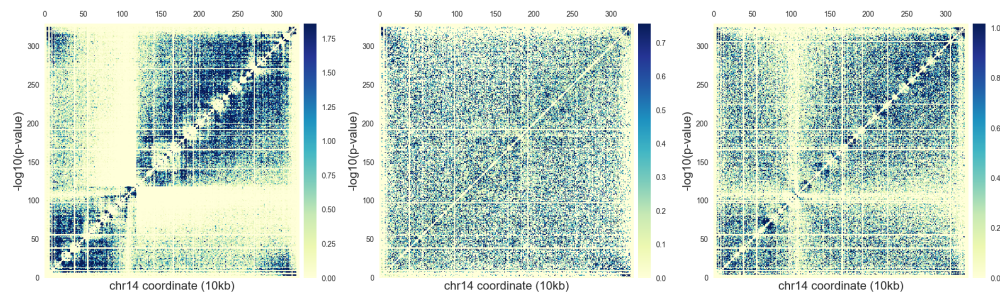
Raw Counts



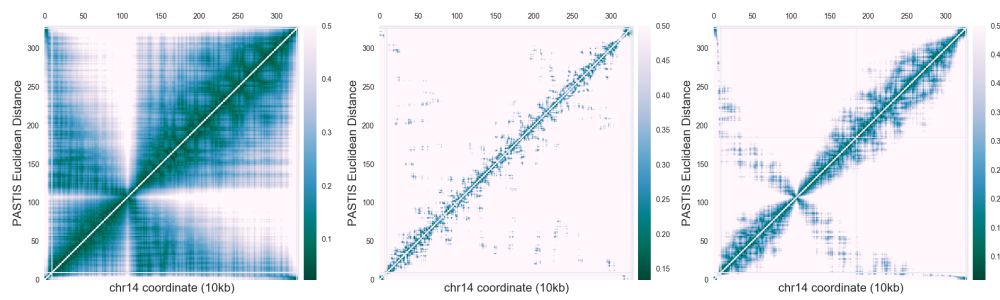
ICE Normalized Counts



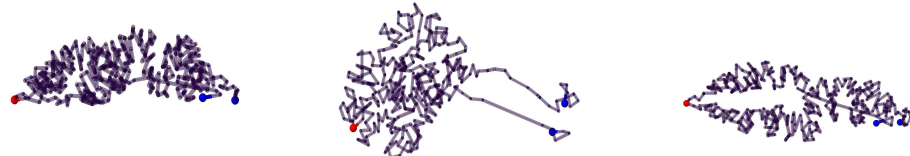
Fit-Hi-C p-values

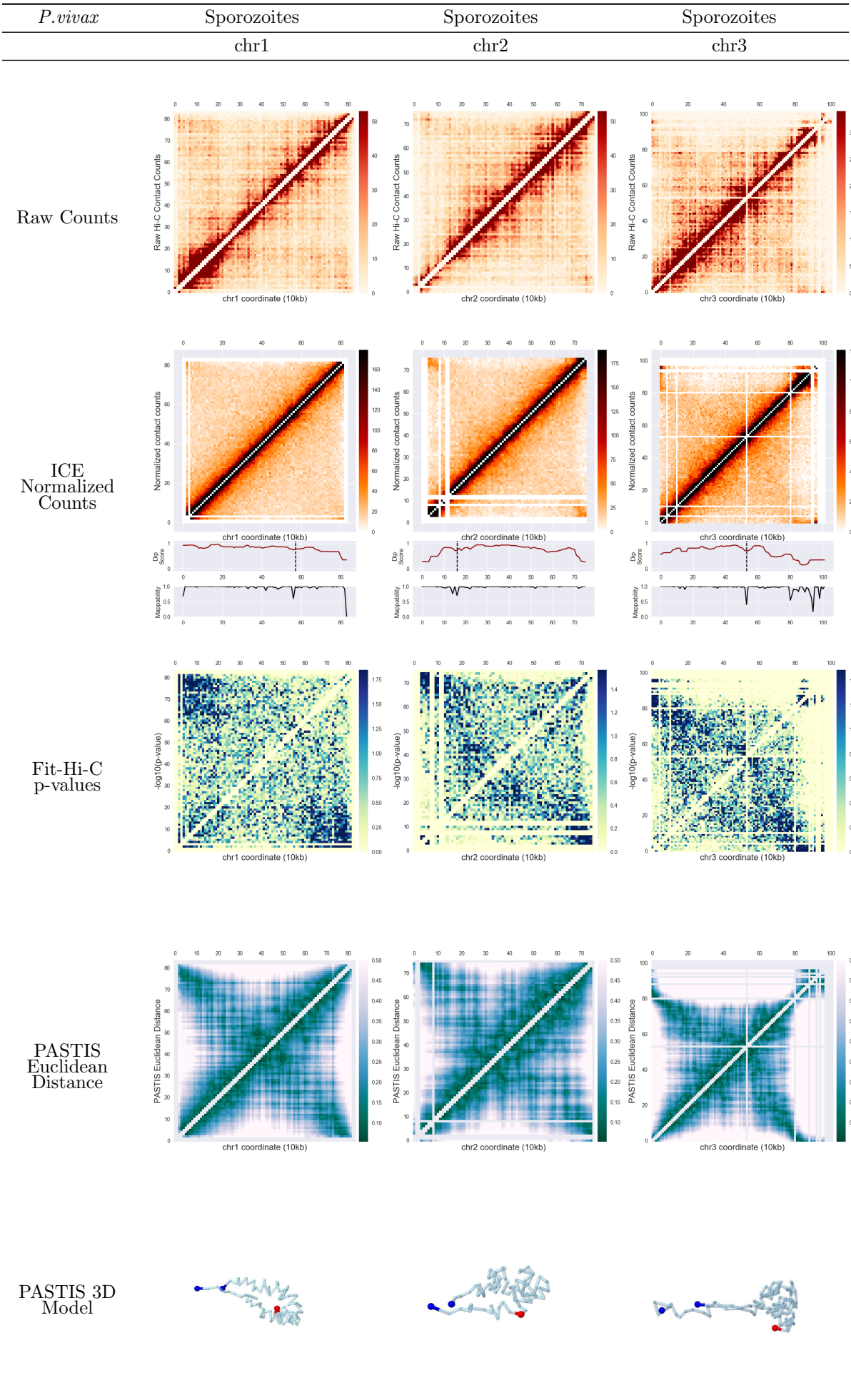


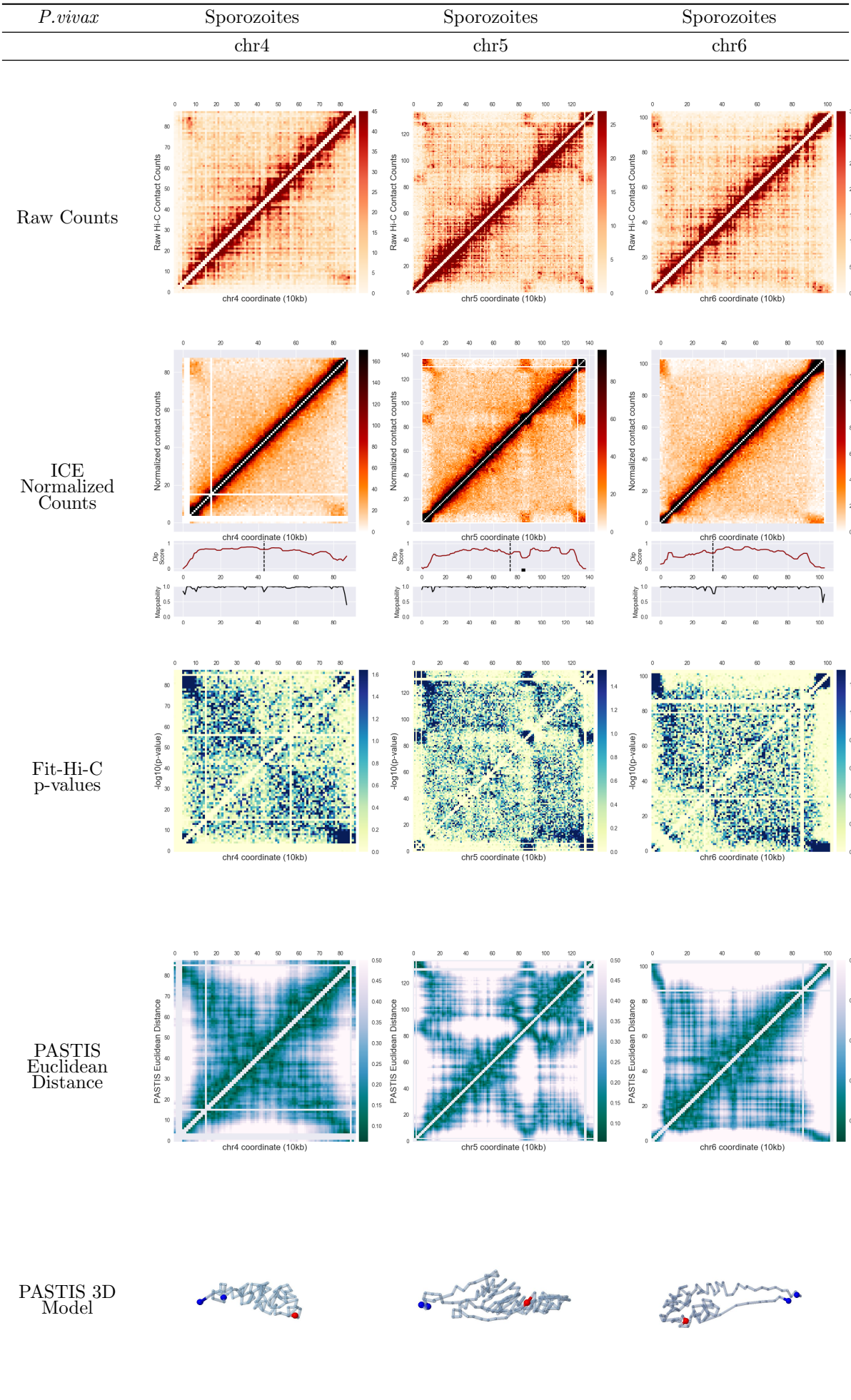
PASTIS Euclidean Distance

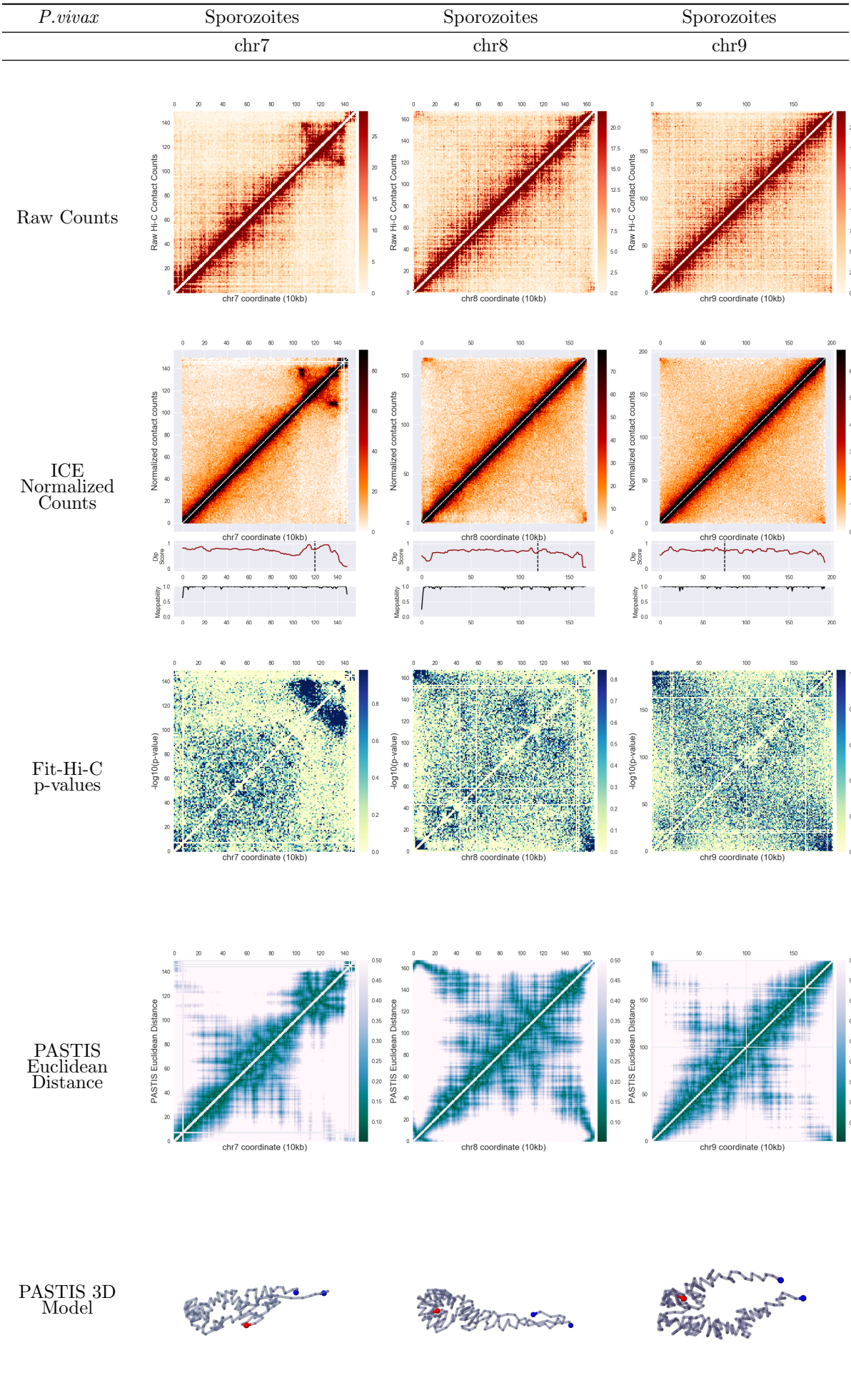


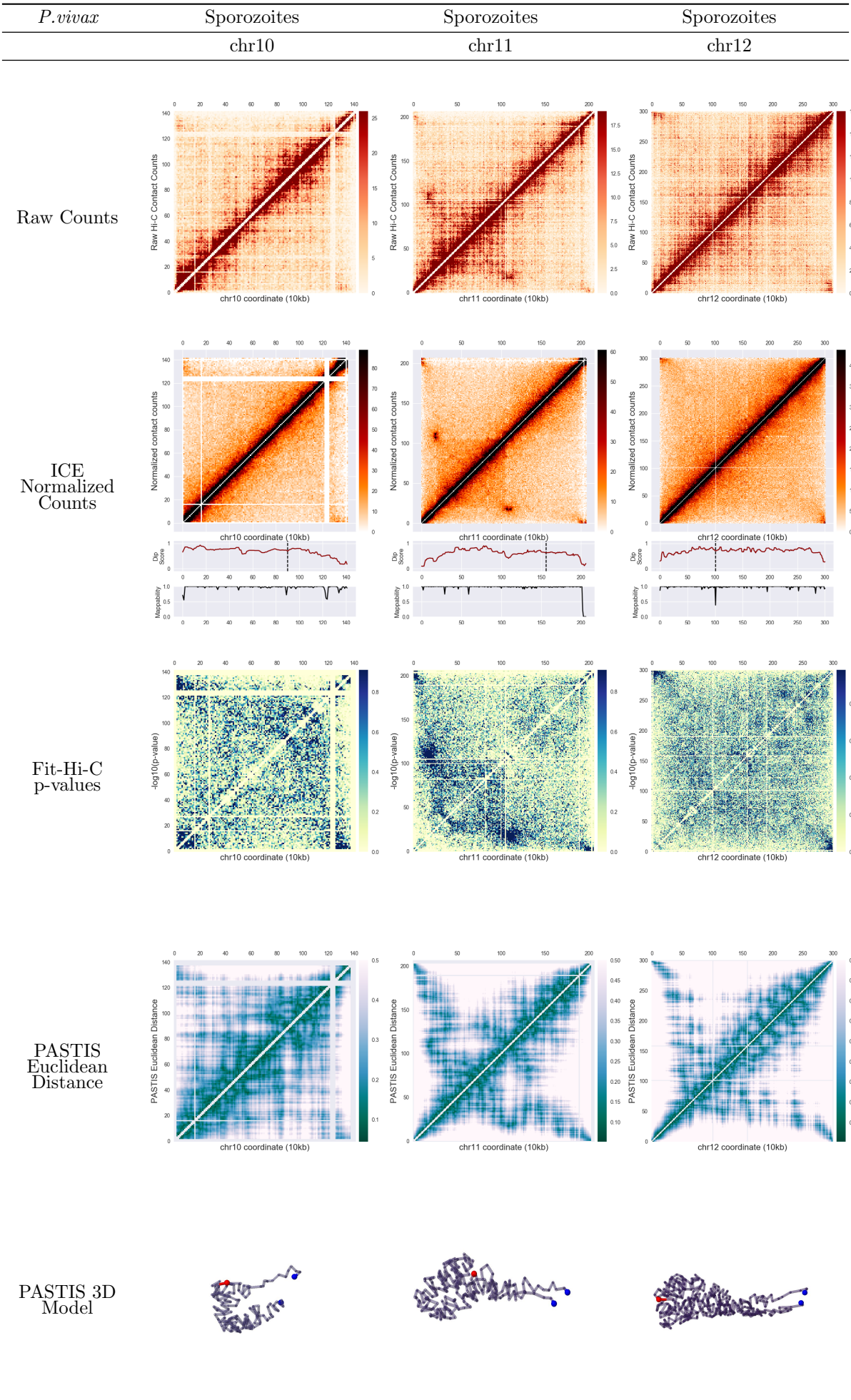
PASTIS 3D Model



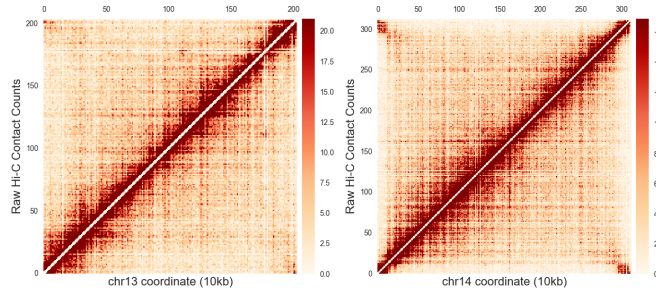




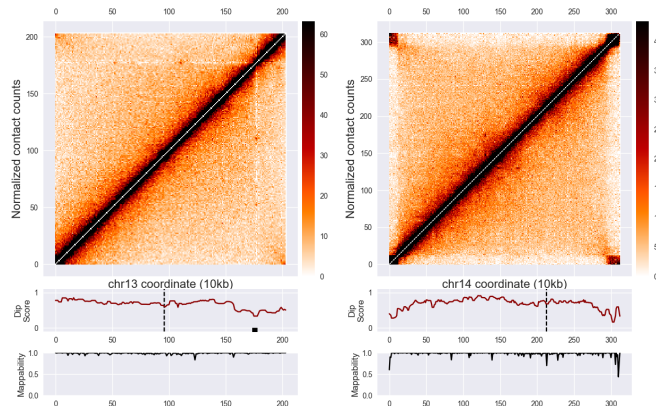




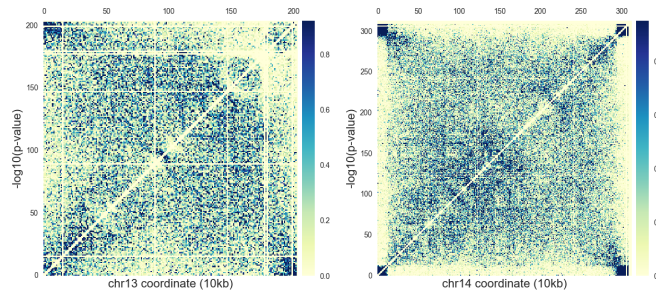
Raw Counts



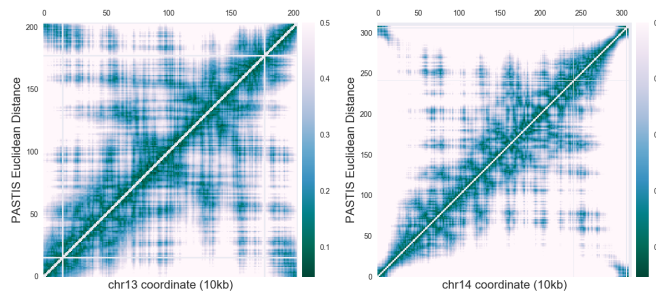
ICE Normalized Counts



Fit-Hi-C p-values



PASTIS Euclidean Distance



PASTIS 3D Model

