A latex package to label externally-created subfigures

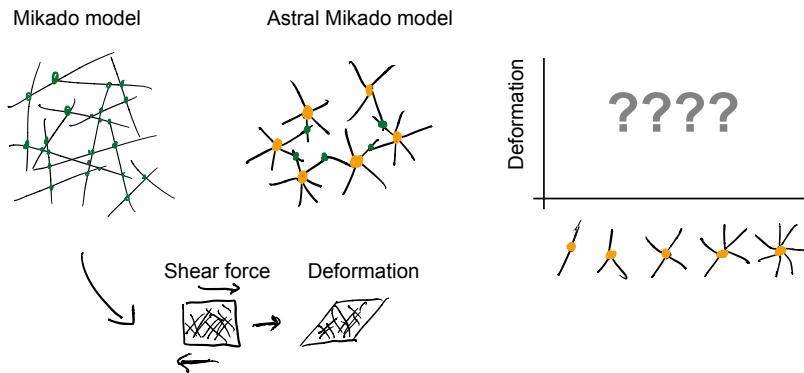Jun Allard[a]

[a]University of California Irvine

Figure 1: (A) A track that means nothing on its own (B) A pcolor map that also means nothing on its own

I would like to refer to the main figure Figure 1. But this less informative, and instead I should refer to specific panels.

Now, I would like to just refer to the track, Figure 1A.

Now, I would like to just refer to the colormap, Figure 1B.

Mikado model   Astral Mikado model

Deformation

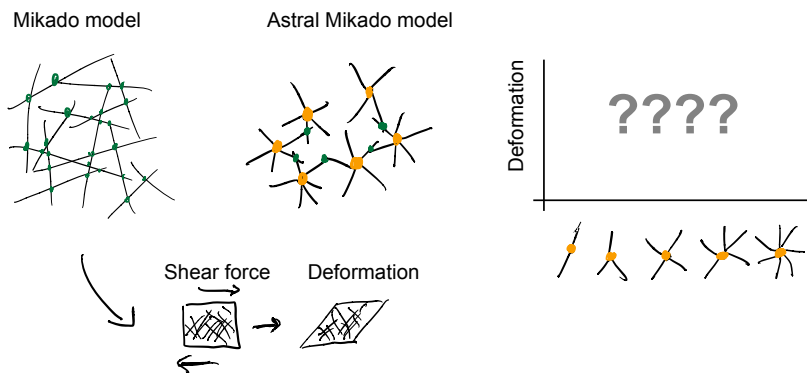????

Shear force   Deformation

Figure 2: (A) A gel. (B) A heatmap

I would like to refer to the main figure Figure 2. But this less informative, and instead I should refer to specific panels.

Now, I would like to just refer to the gel, Figure 2A.

Now, I would like to just refer to the heatmap, Figure 2B.
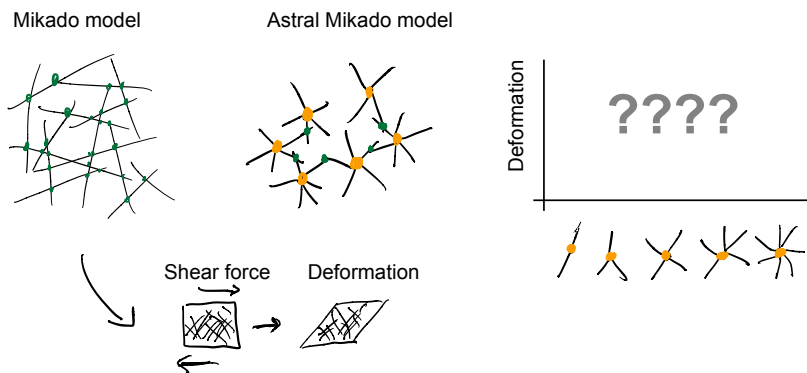
Mikado model   Astral Mikado model

Figure 3: (A) A schematic to show how all the parts fit together (B) A useless and wasteful experiment suggested by Reviewer #3

I would like to refer to the main figure Figure 3. But this less informative, and instead I should refer to specific panels.

Now, I would like to just refer to the schematic, Figure 3A.

Now, I would like to just refer to the referee-recommended experiment, Figure 3B.

Discussion

In the discussion, I will discuss all the different subpanels. For example, the gel in Fig. 2A, and the schematic in Fig. 3A. Or how about the genomic track in Fig. 1A.

If we move these panels around, all we need to do is change it in the captions (in the `internalsubfigure` lines), and it with automatically change throughout the document!