Central domain Microtubules Kinetochore CENP-A chromatin Inner kinetochore CCAN protein network Fta1 Fta7 Mhf1 Cnp3 Fta2 Mis6 Mhf2 Cnp20 Fta3 Mis15 New1 Sim4 Fta4 Mis17 Outer kinetochore KMN protein network Ndc80 Mis12 Spc7 Nuf2 Nsl1 Spc24 Dsn1 Spc25 Nnf1

Figure 6. Centromeric chromatin and kinetochores in S. *pombe*. The central domain of *S. pombe* centromeres is composed of CENP-A-containing chromatin and a multiprotein network that makes up the kinetochore. The inner constitutive centromere-associated network (CCAN) and outer KMN kinetochore protein networks are depicted and the different protein components listed below. Kinetochore assembly within the central domain mediates attachment to microtubules on spindle formation and chromosome segregation.

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