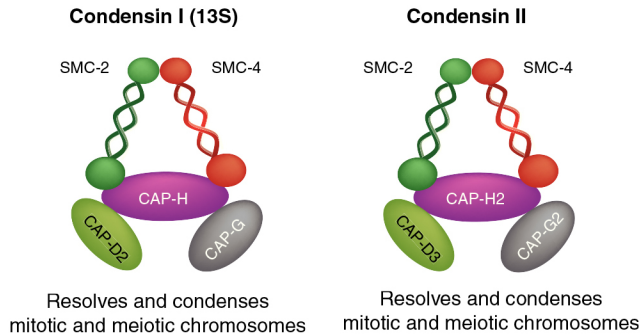


Vertebrates



Subunits	Vertebrates
Core subunits (common to I & II)	
ATPase	CAP-E/SMC2
ATPase	CAP-C/SMC4
I-specific subunits	
HEAT	CAP-D2
HEAT	CAP-G
Kleisin	CAP-H
II-specific subunits	
HEAT	CAP-D3
HEAT	CAP-G2
Kleisin	CAP-H2/nessy

C. elegans

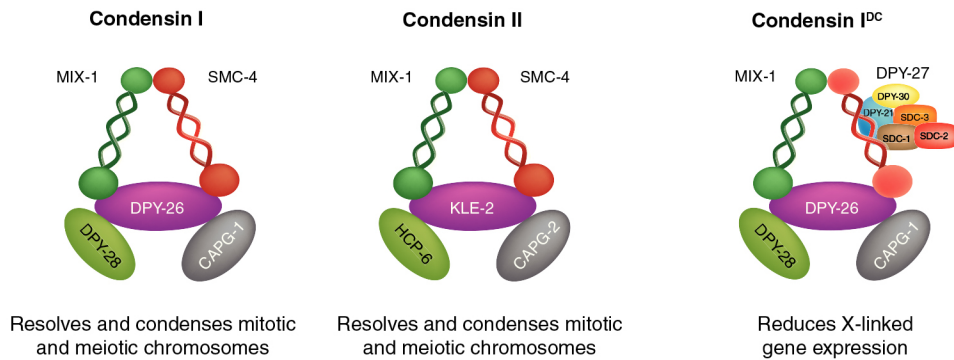


Figure 4. The DCC and condensin complexes. The worm DCC resembles the condensin complex, which functions in condensing chromosomes during nuclear division. In particular, the DCC contains several subunits that are homologous to the XCAP (XCAP for *Xenopus* chromosome-associated polypeptide) subunits of the 13S condensin complex I, originally characterized in *Xenopus*. There are two condensin complexes in most metazoans and three complexes in *C. elegans*. MIX-1 is present in all three *C. elegans* condensin complexes. Three additional DCC subunits (DPY-26, DPY-28, and CAPG-1) are present in both condensin I and condensin I^{DC}. The SDC proteins, DPY-21 and DPY-30, do not resemble known condensin subunits; they instead function in localizing condensin I^{DC} to the X chromosome. (Adapted from Meyer 2005 and Csankovszki et al. 2009.)