Supplementary Figure 1 : Visual Distribution of CT homologs in the 3 categories.
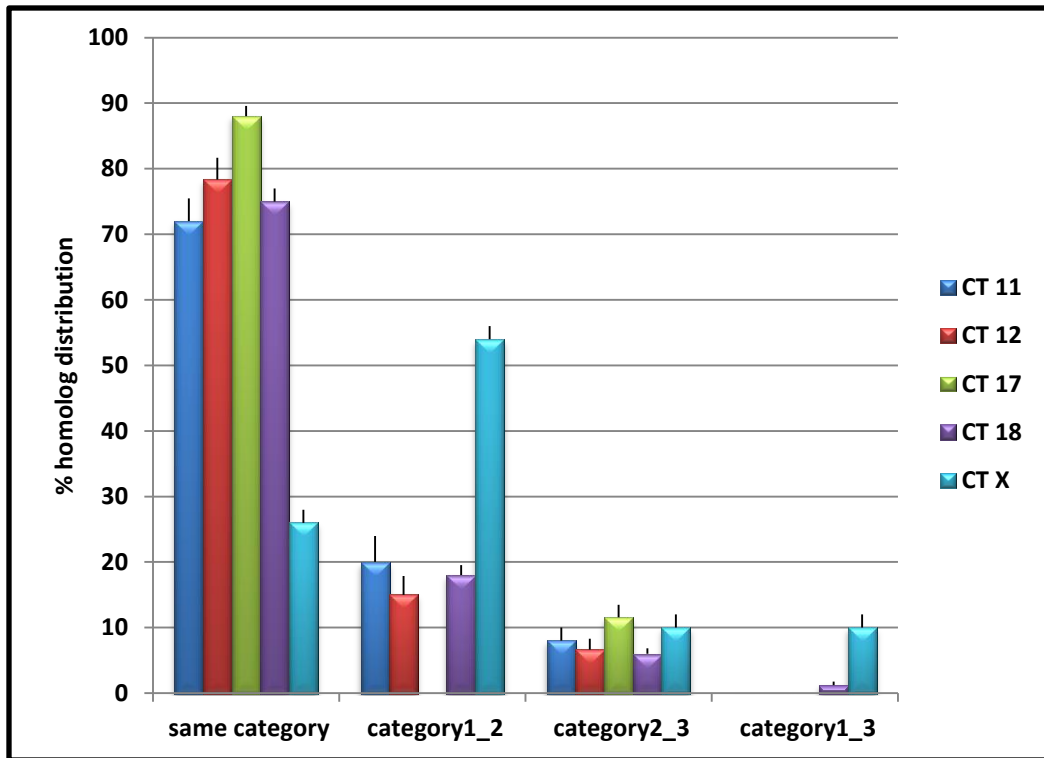
Supplementary Figure 2 : Linear regression analyses for the entire subset of 12 CT
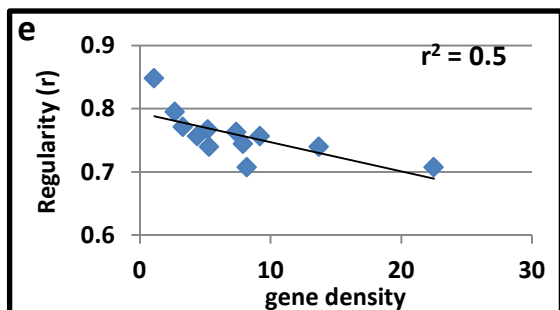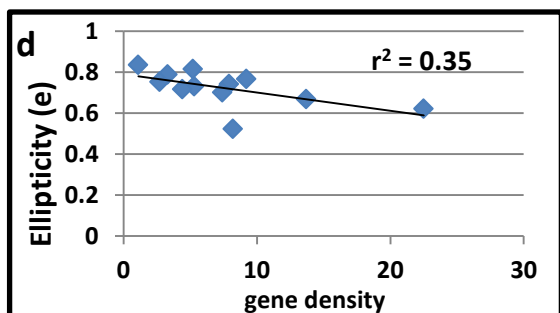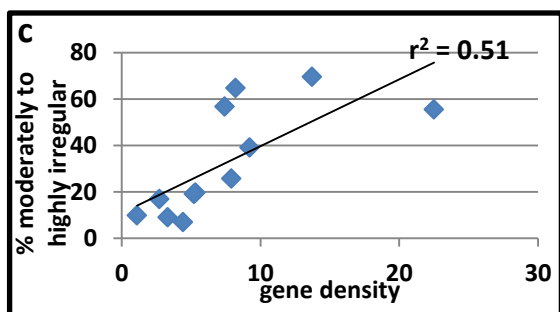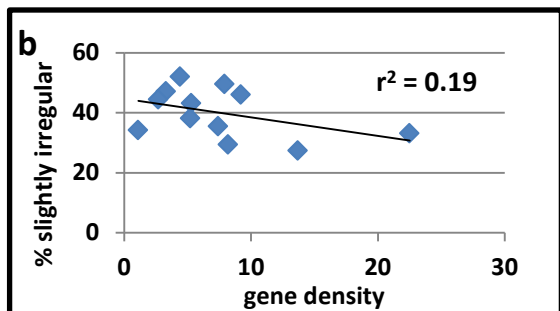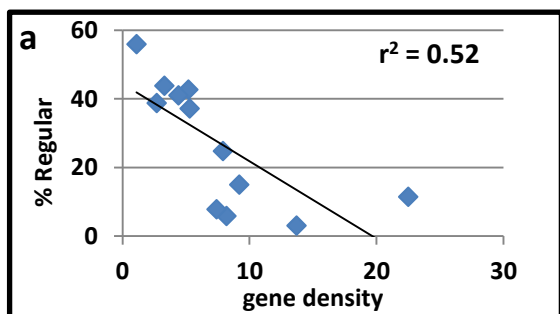
Supplementary Figure 3: Size has no effect on shape regularity/ ellipticity

Panel a: % Regular vs CT size (mbp), $r^2 = 0.002$

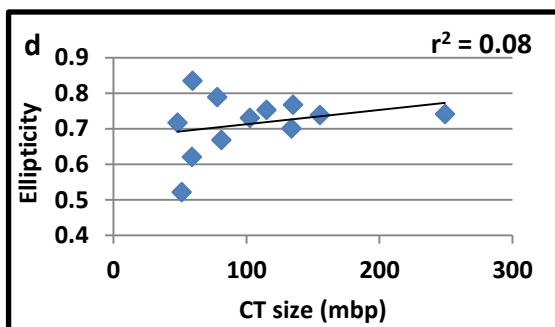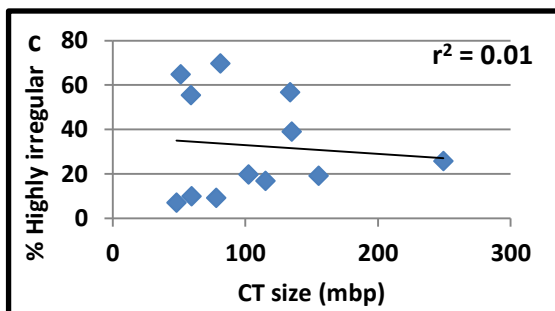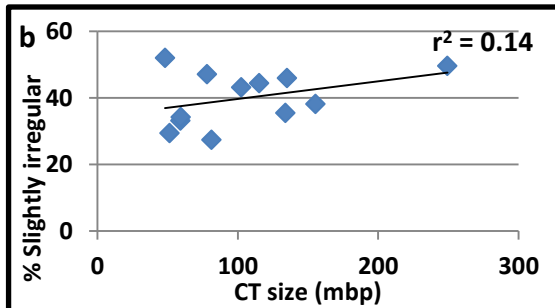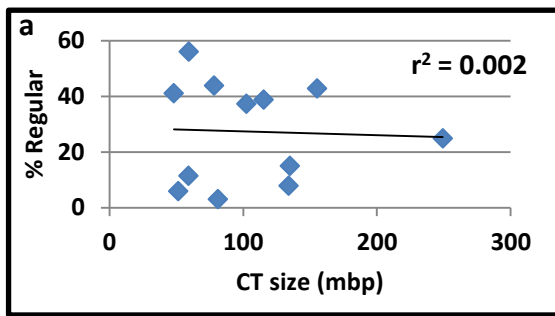Panel b: % Slightly irregular vs CT size (mbp), $r^2 = 0.14$

Panel c: % Highly irregular vs CT size (mbp), $r^2 = 0.01$

Panel d: Ellipticity vs CT size (mbp), $r^2 = 0.08$

Panel e: Regularity vs CT size (mbp), $r^2 = 0.01$
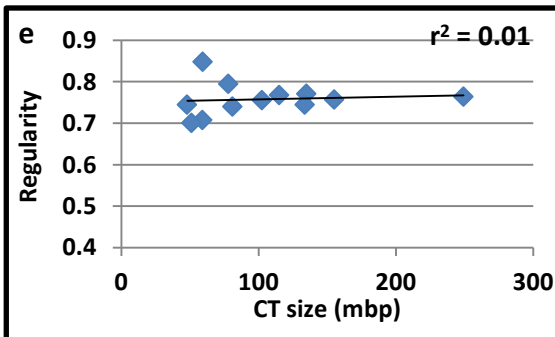
Supplementary Figure 4: Representative images showing differences in CT shapes in G_1 and S phase

CT 1-G_1
CT 1-S
CT 12-G_1
CT 12-S
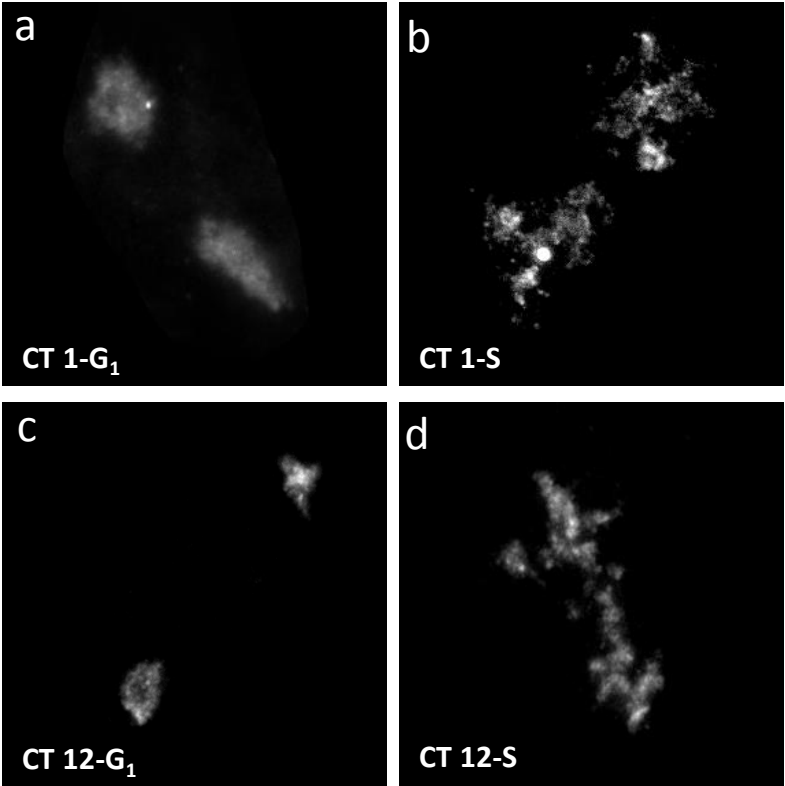
Supplementary Figure 5: Identification of the X inactive (Xi) CT