



Figure S1. Representative fluorescence microscopy images documenting the co-localization of CBX1-CD fluorescence and H3K9me3 antibody staining. Results are shown for wildtype (WT) iMEF and *Suv39h1h2*^{-/-} (DKO) cells. The mCerulean tagged CBX1-CD co-localized with H3K9me3 antibody in iMEF-WT cells. The signal of mCerulean-CBX1-CD and H3K9me3 antibody was homogenous in DKO cells. The imaging and display settings of the images are identical.