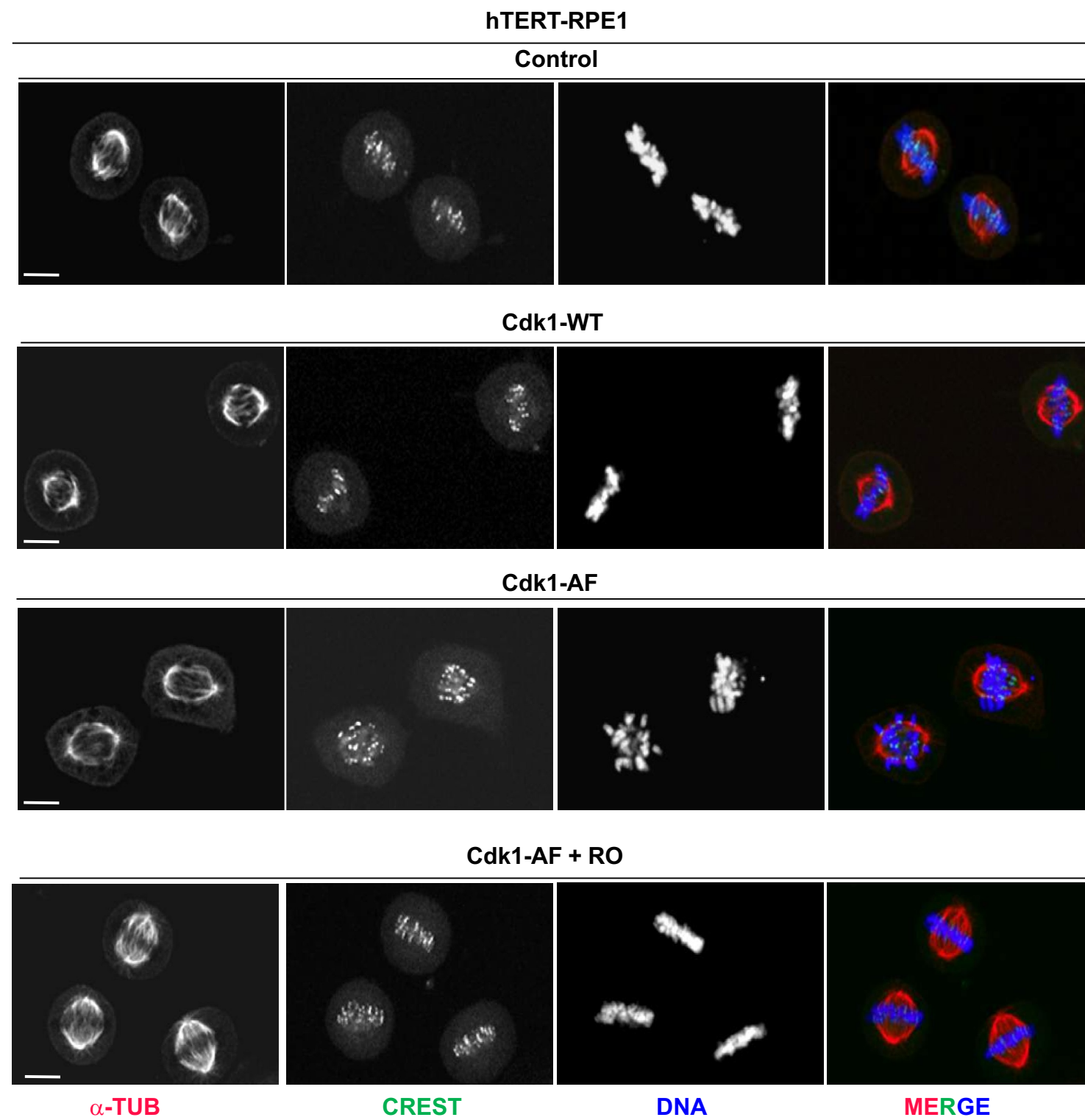


Supplementary Figure 1



## **Supplementary Figure Legends**

### **Supplementary Figure 1. Dependence of chromosome alignment on i-Cdk1 in hTERT-RPE1**

hTERT-RPE1 cells were transfected with an empty vector (Control), with a wild type cdk1 (Cdk1-WT) expression vector or with a mutant cdk1 expression vector in which cdk1-threonine 14 and tyrosine 15 are mutated into non-phosphorylatable alanine and phenylalanine, respectively (Cdk1-AF). 6 hours post transfection, cells were arrested at G2 by addition of RO-3306 (9  $\mu$ M) for further 16 hours incubation, released into fresh MC medium (see Material and Methods section), fixed after 80 minutes of further incubation and analyzed by immunofluorescence. Cells were stained for DNA (blue),  $\alpha$ -tubulin ( $\alpha$ -TUB, red) and CREST (green) at 80 min upon release from G2 arrest. A portion of cdk1-AF-transfected cells received low-RO at 60 min (Cdk1-AF + RO); as control vehicle was added (DMSO).