



Supplemental Figure S1. Statistical analysis of colocalisation.

The pairs of confocal images (alexa-488 and atto-647) in figure 1 were compared on a pixel by pixel basis using the “intensity correlation analysis” plugin in ImageJ and the product of the differences from the mean intensity at each pixel (PDM) is plotted. The images are coloured so that positive PDM pixels (an indication of co-variance) are orange and negative PDM pixels (an indication of inverse correlation) are blue.

	1A EdU-488 PCNA-647	1B Edu-488 RPA-647	1C PCNA-488 RPA-647	1D RPA-488 PCNA-647
Pearson's Correlation coefficient ( $R_r$ )	0.775	0.699	0.562	0.404
Overlap coefficient ( $R$ )	0.883	0.843	0.774	0.564
Red pixels: green pixels	1.02	1.24	0.962	0.759
Intensity Correlation Quotient	0.321	0.295	0.275	0.25

Supplemental Table S1. Statistical analysis of colocalisation.

The pairs of confocal images (alexa-488 and atto-647) in figure 1 were compared using the “intensity correlation analysis” plugin in ImageJ. Standard measures of image colocalisation are presented for each pair.