**Supplementary method 2.**

Confocal images were taken with a 40X objective and a pinhole of 3 in a LS 510 Zeiss microscope.

Quantification of cells by DAPI staining:

run("Enhance Contrast", "saturated=50");

run("8-bit");

run("8-bit");

run("Make Binary");

run("Erode");

run("Ultimate Points");

run("Make Binary");

run("Analyze Particles...", "size=0-Infinity circularity=0.00-1.00 show=Nothing display clear include summarize record add");

Quantification of PLA signals:

run("Sharpen");

run("Gamma...", "value=2.500");

run("Make Binary");

run("Analyze Particles...", "size=0.10-3.00 circularity=0.00-1.00 show=Nothing display clear include summarize record add");