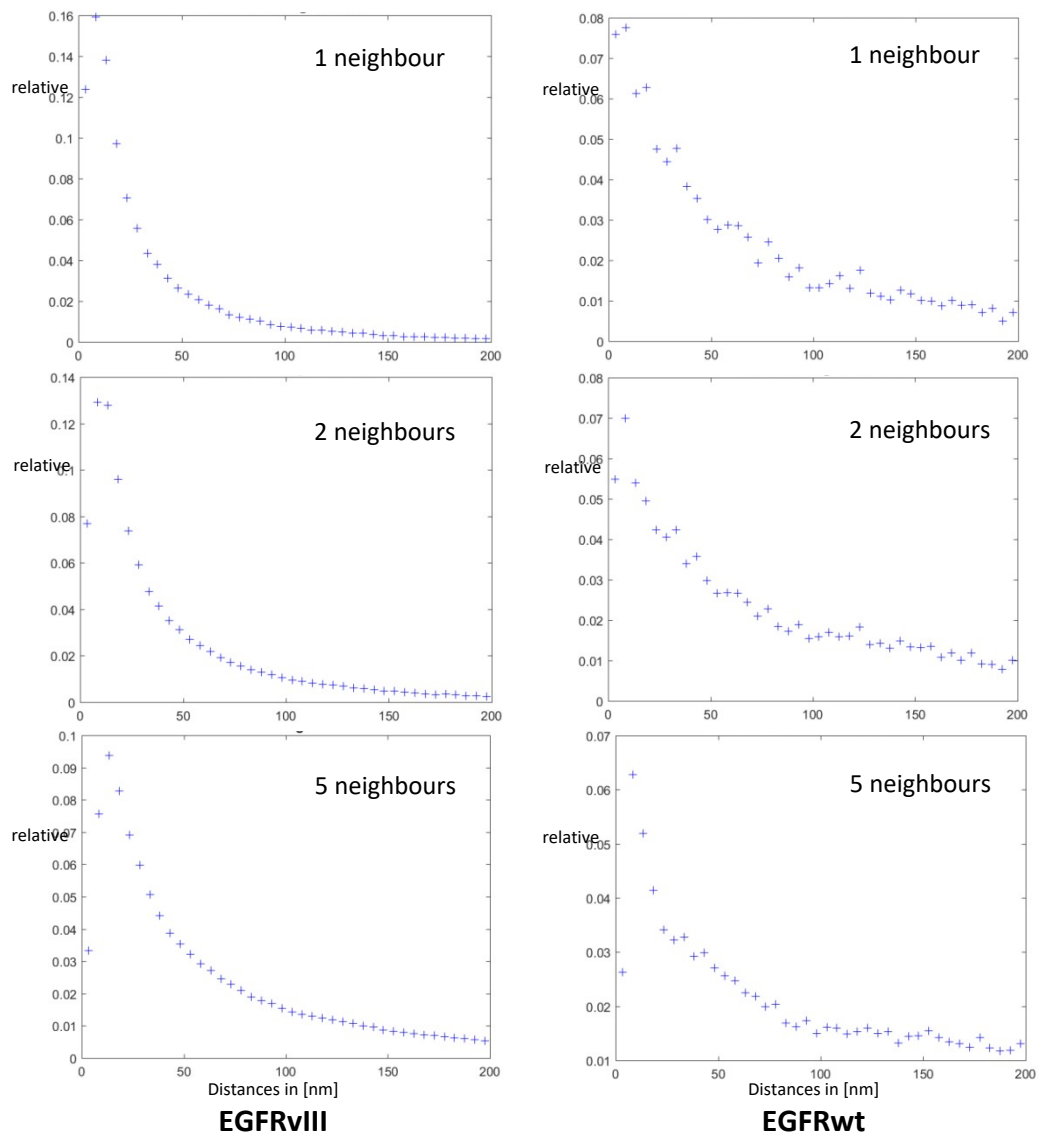


**Supplement:**

Table S1: Mean localization precision for the point measurements of the blinking events of the secondary antibodies

sample	primary antibody	Mean localization precision
slide 1	wt	11.00 ± 0.10
	vIII	8.77 ± 0.13
control	wt	11.22 ± 0.15
	vIII	10.71 ± 0.07
slide 5	wt	11.21 ± 0.08
	vIII	9.50 ± 0.07



Supplementary Figure 1: relative frequencies of next neighbour distances for one colour measurements for EGFRvIII (left) and EGFRwt (right). The curves show the frequencies for the distances for the next neighbour, for the two next neighbours and for the five next neighbours and indicate a very similar behaviour