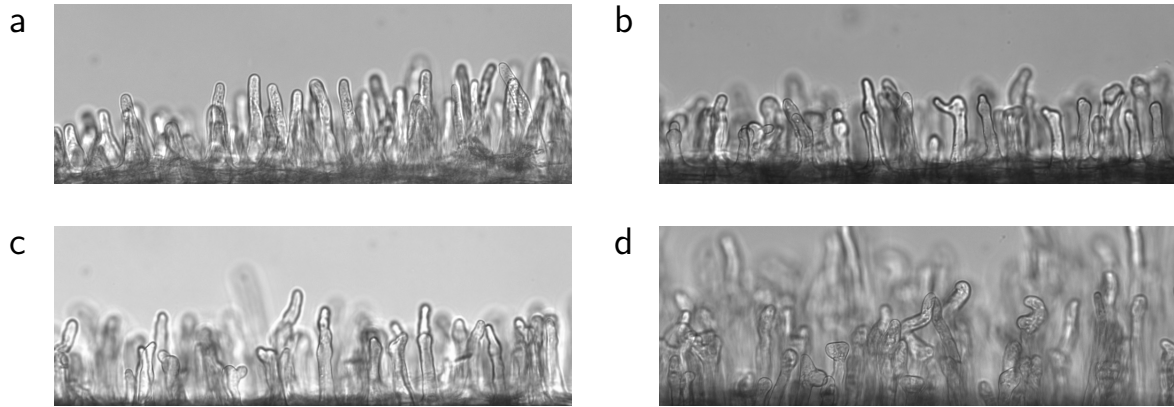
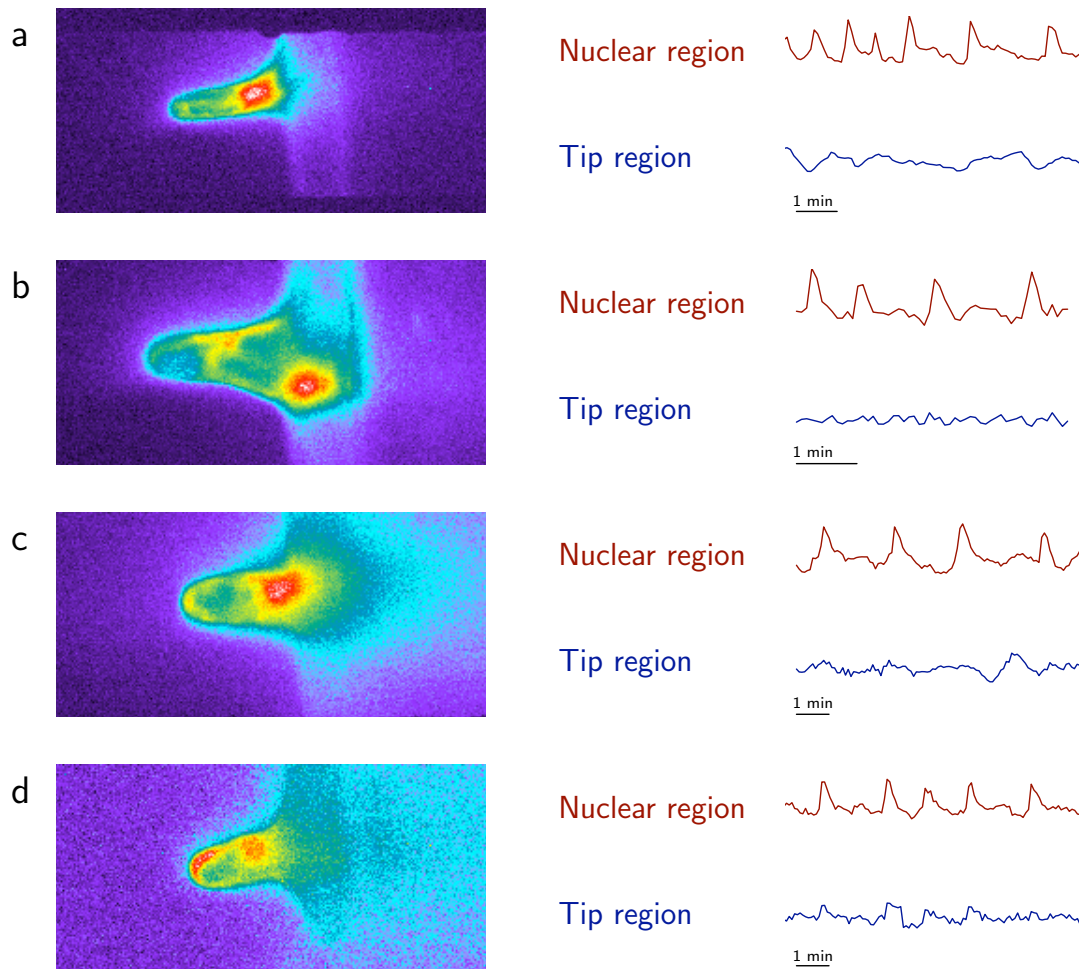


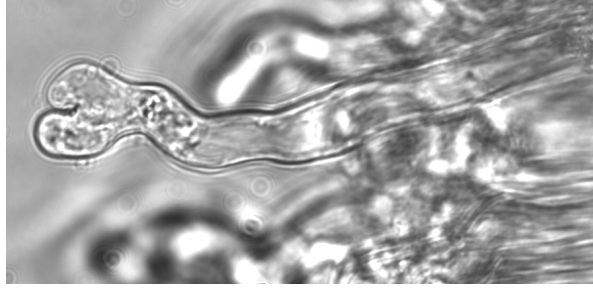
Supporting Information Figs S1– S4



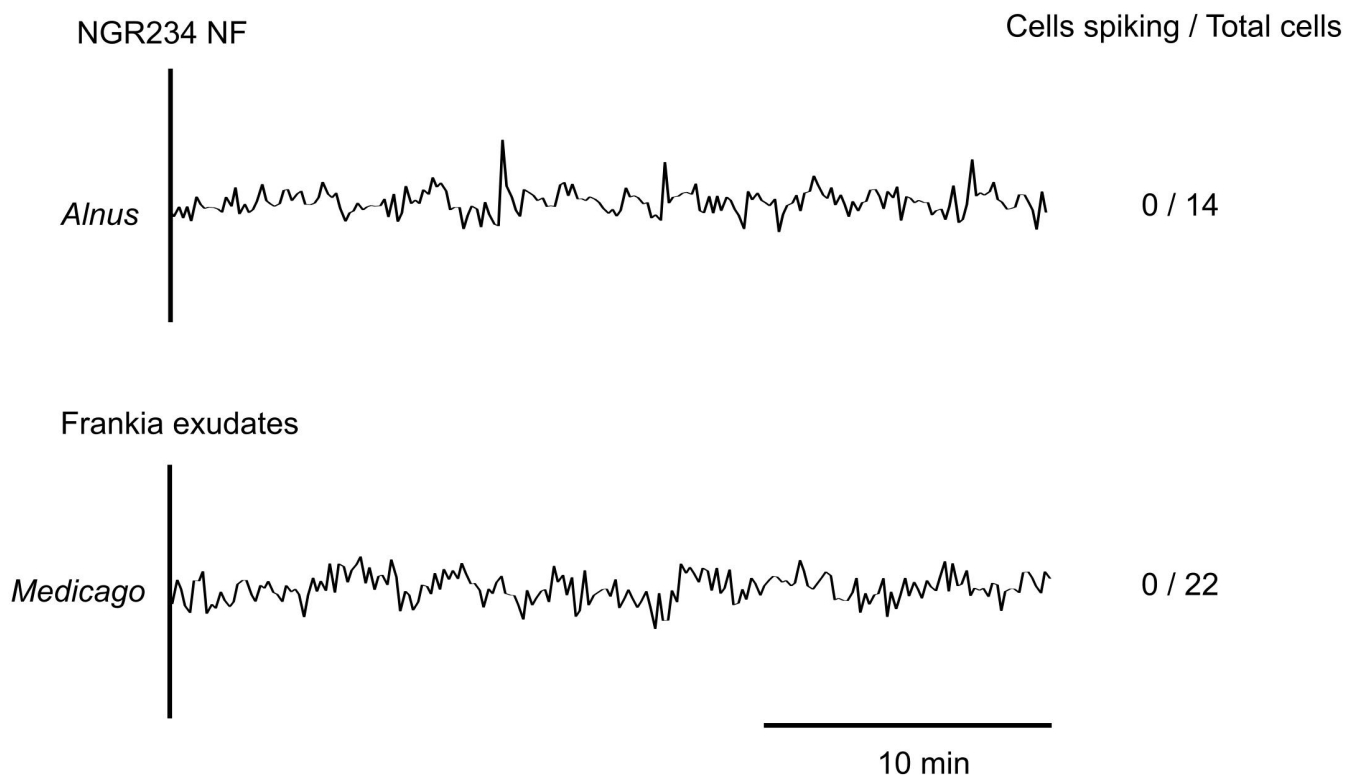
**Supplementary figure 1.** Root hair deformation induced by NGR23 NF treatment in *Vicia hirsuta*. **a:** Negative control. **b:** Supernatant of NGR234 liquid culture. **c:** NGR234 Nod factors, diluted 1/1000. **d:** NGR234 Nod factors diluted 1/100.



**Supplementary figure 2.** Nuclear localisation of  $\text{Ca}^{2+}$  spiking. Images of NF treated root hair cells of: **a:** *Lupinus pilosus*. **b:** *Chamaecrista fasciculata*. **c:** *Cytisus proliferus*. **d:** *Acacia retinoides*.



**Supplementary figure 3.** Root hair deformation in *A. glutinosa* after induction by Frankia exudates.



**Supplementary figure 4.**  $\text{Ca}^{2+}$  traces in *Alnus* treated with NGR234 NF and in *Medicago* treated with Frankia exudates. The number of responsive cells is indicated relative to the total cells analysed.