

Supplementary File 3

Determination of the efficiency of Flg-RBD expression in *N. benthamiana*

The efficiency of Flg-RBD expression was estimated in Western blot analysis in comparison to known amount of purified Flg-RBD protein. The amount of purified Flg-RBD was measured using a Qubit Protein Assay Kit (Invitrogen, USA).

Western blot probed with antibodies against Flg

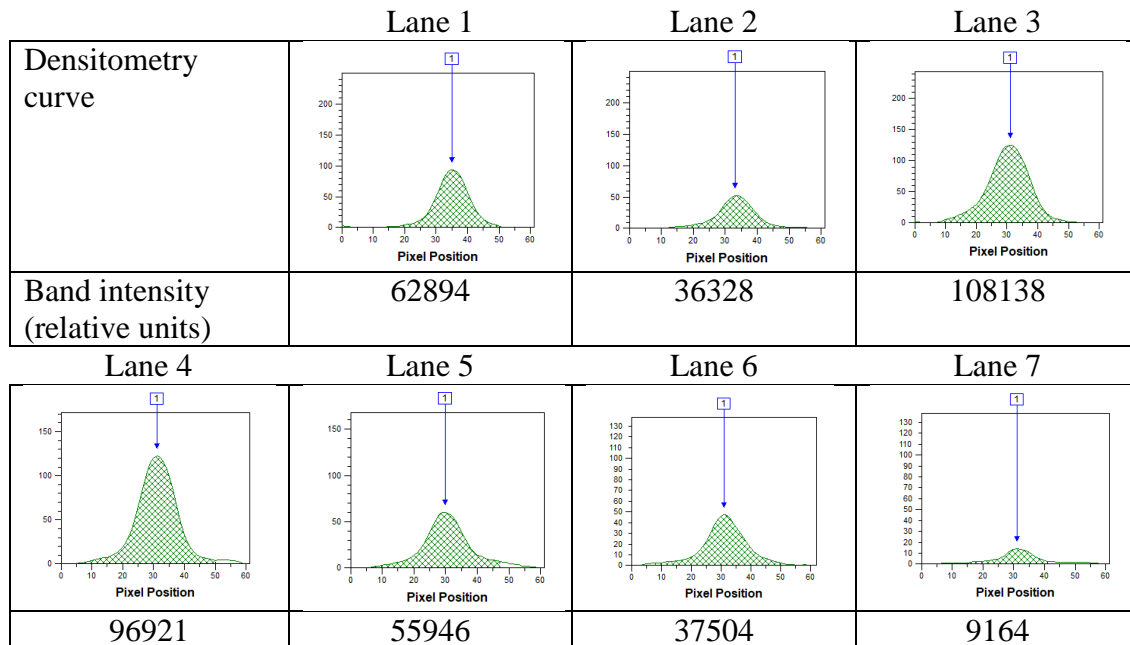


Lanes 1 and 2, – total proteins from 3 mg and 1.5 mg of leaf tissue of *N. benthamiana* infiltrated with pEff-Flg-RBD vector, respectively

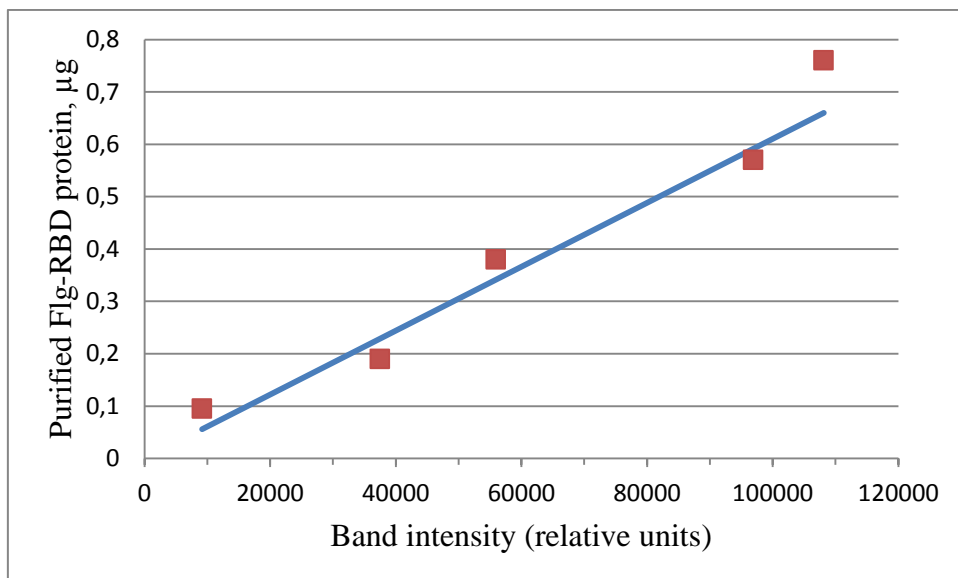
Lanes 3-7, - 0.76 μ g, 0.57 μ g, 0.38 μ g, 0.19 μ g and 0.095 μ g of purified Flg-RBD protein, respectively

Densitometry analysis of Western blot image.

The digital image was subjected to densitometry analysis using Nonlinear Dynamics TotalLab TL120 v2009 software.



Calculation of expression efficiency



The efficiency of expression = 135 µg per 1 g of leaf tissue.