

Genetic code expansion enables plant-directed control of bacterial activity

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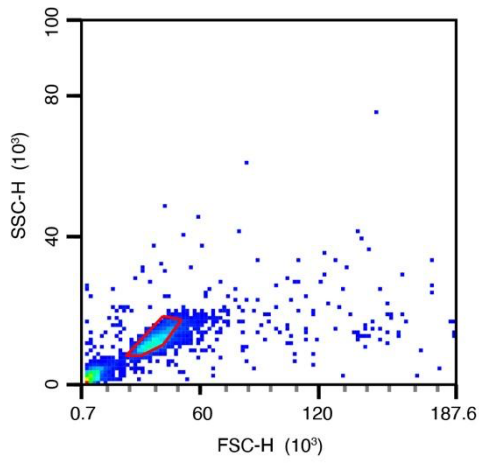
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Supplementary Sequences. GenBank files of constructs used in this study. Genbank files include primers used to construct sequences.

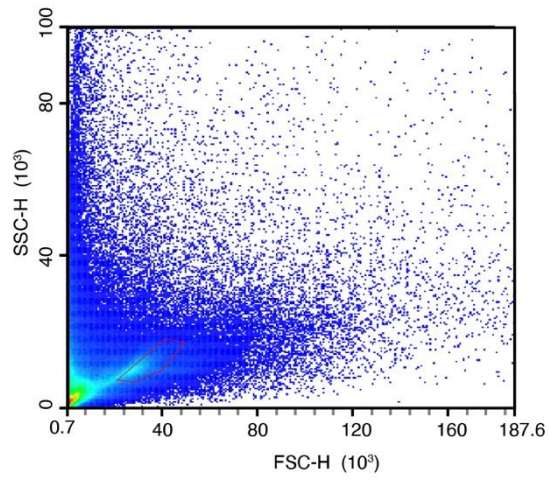


Supplementary Fig. 1. Schematic of the co-cultivation luciferase assay using a bacteria-agar matrix to demonstrate bacterial incorporation of plant-produced OMY.

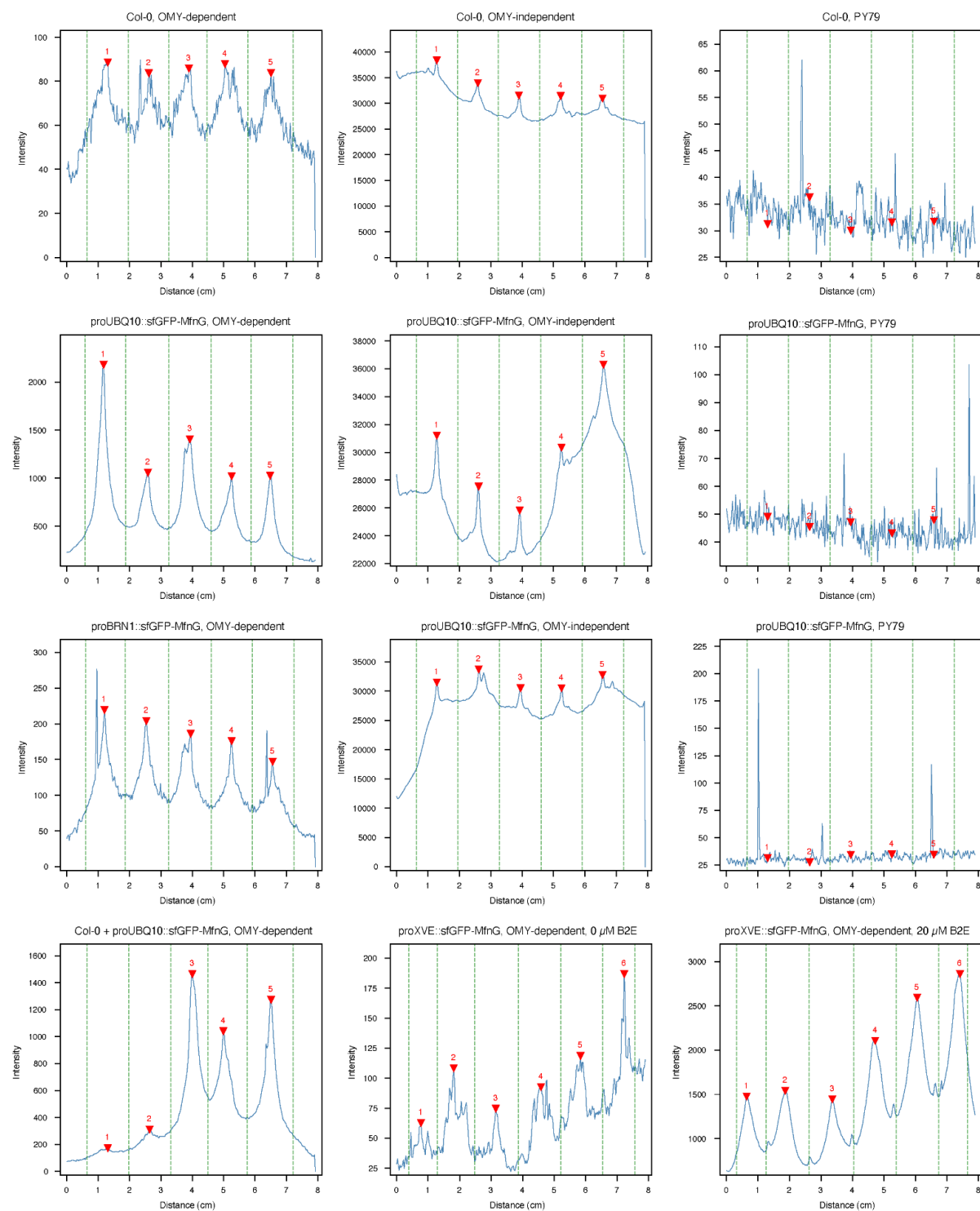
a



b



Supplementary Fig. 2. Representative scatter plots for flow cytometry gates for data in Extended Data Fig 5. Forward vs side scatter area dot plot with (a) Representative gates drawn on UD1022 after growth in LB and (b) applied to sample of UD1022 reporter extracted from soil after 3 days.



Supplementary Fig. 3. Annotations of peak (red arrow) and midpoint locations (green dashed line) used to calculate the fold change and max intensity luminescence values shown in Fig. 2, Fig. 4, and Extended Data Fig. 2.