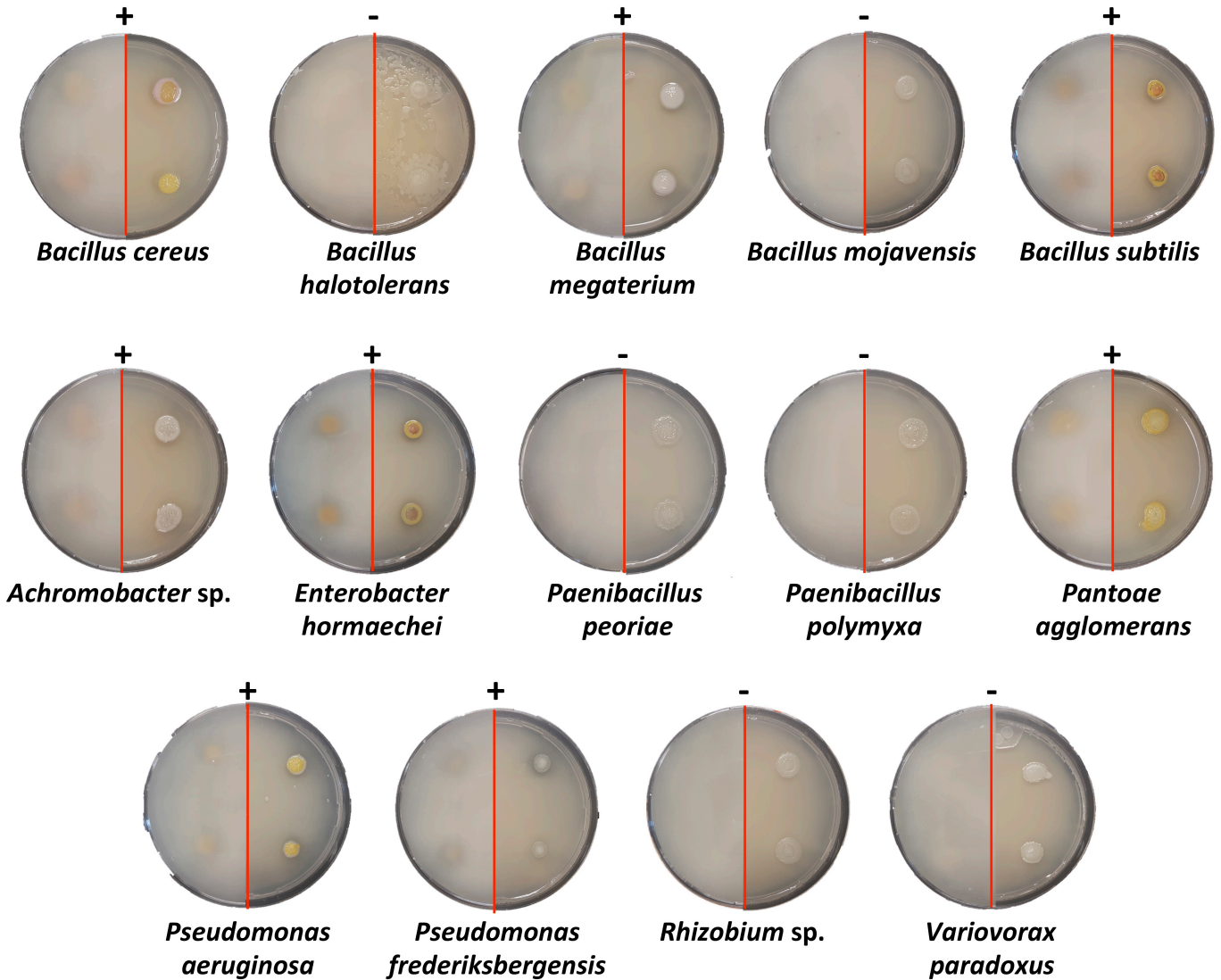


S2 Figure

S2 Figure. Macroscopic assessment and quantification of all biochemical activities studied for each strain.

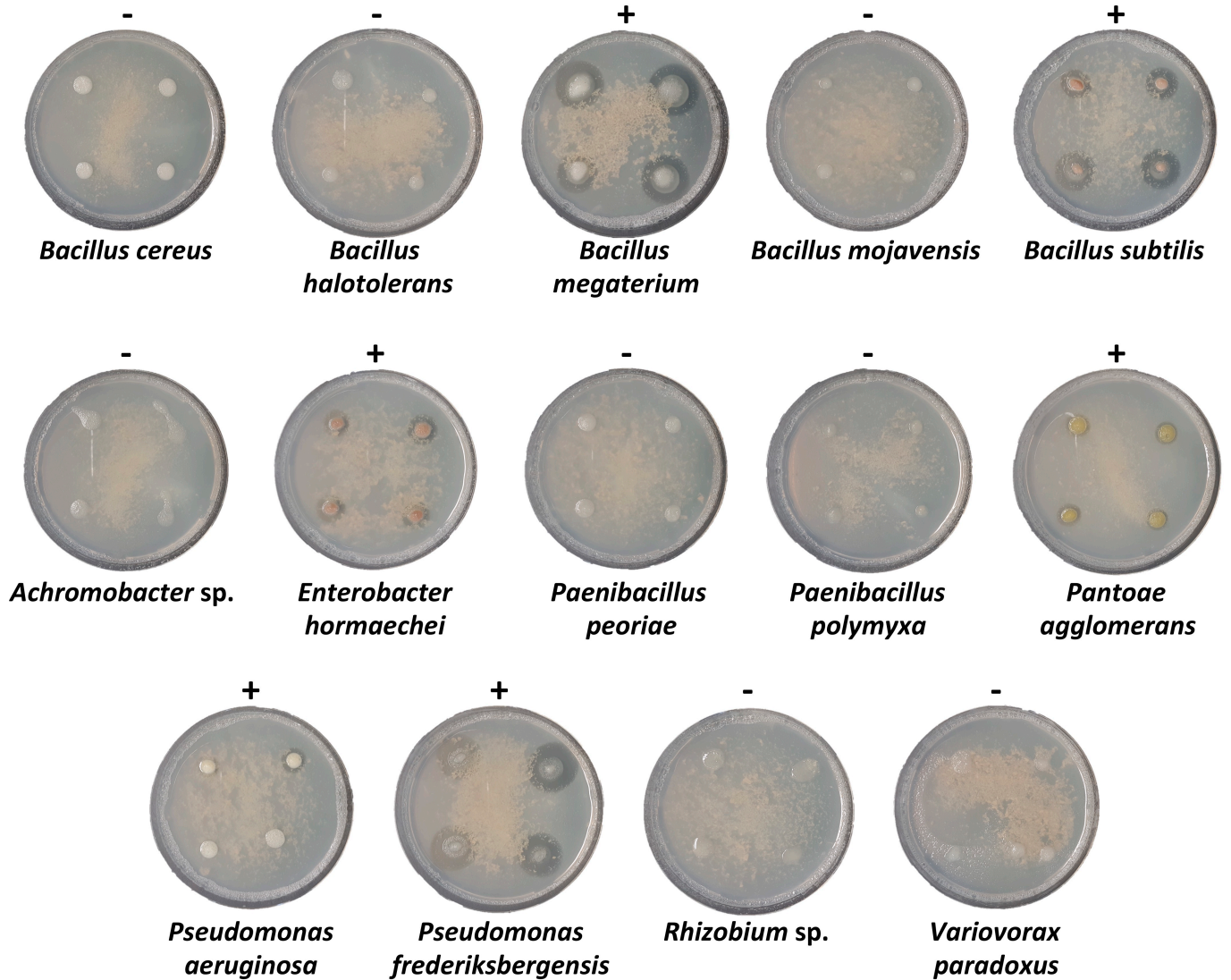
- Phosphate solubilization
- Zinc solubilization
- Indoles-related Production
- Ammonia Production
- HCN production

Phosphate solubilization














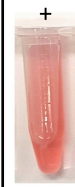














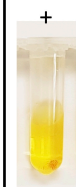

Semi-quantitative calibration of phosphate solubilization by each bacterial endophyte isolated on roots from the old wheat variety Florence Aurore. Each culture is represented by a view from below the box (left part of the red line) and from above the box (right part of the red line). ("-") negative P solubilization; ("+") Positive P solubilization, materialized by a translucent zone around the bacterial colonies.

Zinc solubilization



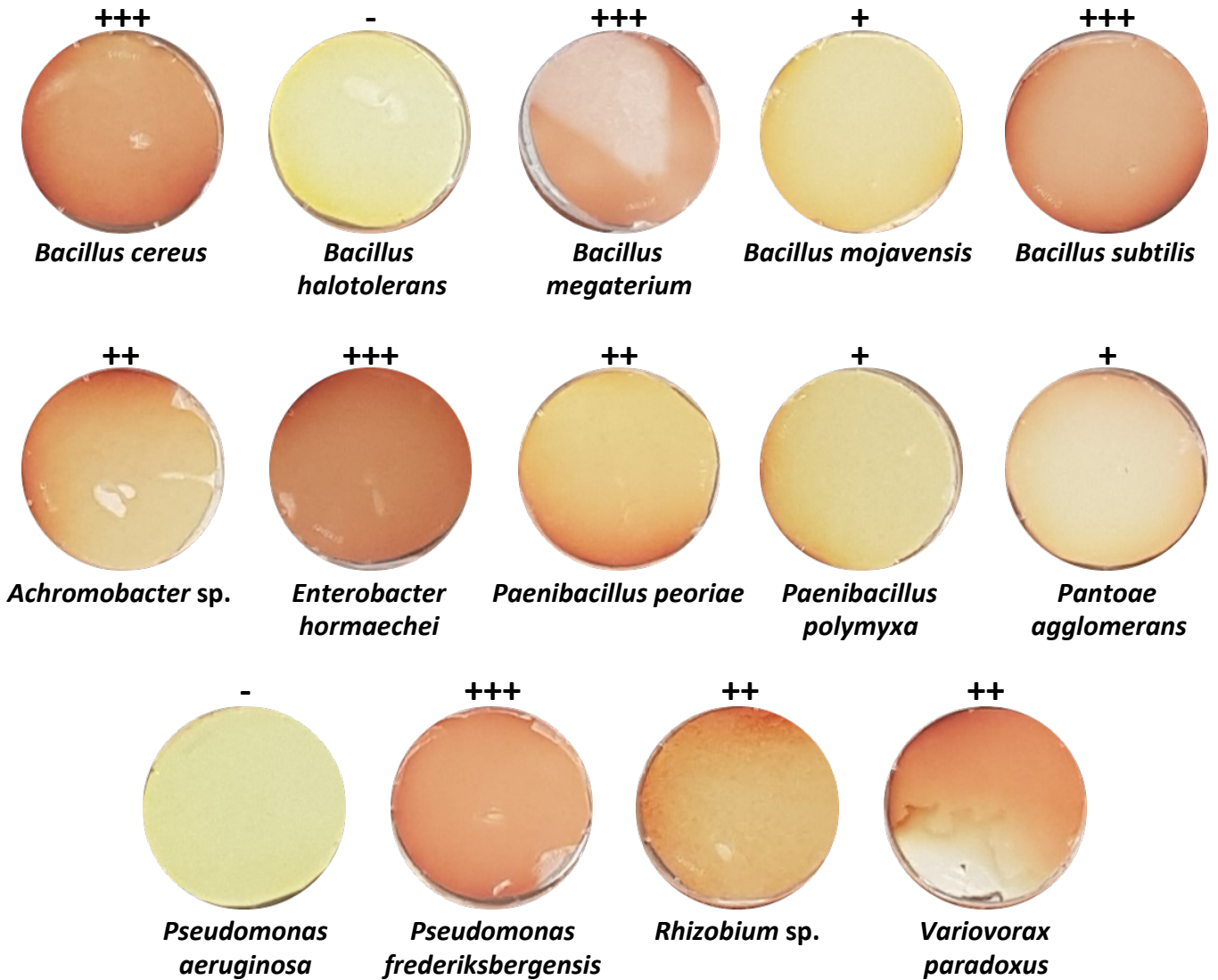
Semi-quantitative calibration of Zinc solubilization by each bacterial endophyte isolated on roots from the old wheat variety Florence Aurore. ("-") Negative Zn solubilization; ("+") Positive Zn solubilization, materialized by a translucent zone around the bacterial colonies.

Indole-related compounds and ammonia productions

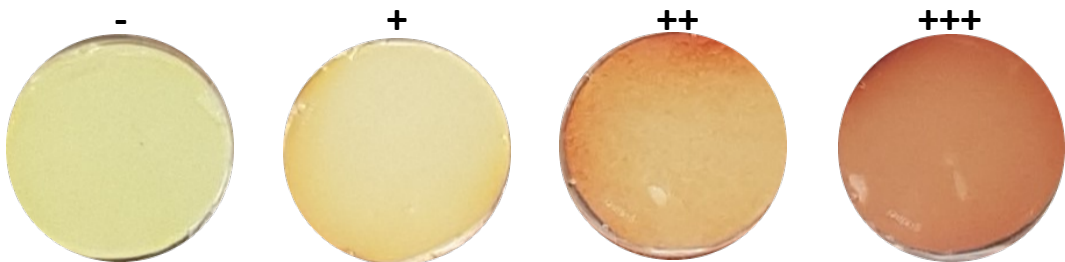
Control (water)	Achromobacter sp.	Bacillus cereus	Bacillus halotolerans	Bacillus megaterium	Bacillus Mojavensis	Bacillus subtilis	Enterobacter hormaechei	Paenibacillus peoriae	Paenibacillus polymyxa	Pantoea agglomerans	Pseudomonas aeruginosa	Rhizobium sp.	Variovorax paradoxus
<u>Indole-related compounds production</u>													
/	+	+	+	+	+	+	+	+	+	+	+	+	+
													
<u>Ammonia production</u>													
/	+	+	+	+	+	+	+	+	+	+	+	+	+
													

HCN production

A



B



Biochemical capacities (Hydrogen cyanid, HCN) of the bacterial endophytes isolated on roots from the old wheat variety Florence Aurore. (A) HCN production by each endophyte. (B) Semi-quantitative calibration of HCN production ("-", negative production ; "+/++/+++", gradual production of HCN).