

**Table S3. Summary statistics of the evaluation metrics of the cross-pots prediction under the indicator strategy not reported in the main manuscript. The metrics are reported for the complete testing dataset and for the partial datasets considering the days after the infection (dpi) separately. Metrics are reported for both the pixel and whole individual level of prediction.**

**EVALUATION METRICS OF THE TESTING DATASET**

TESTING WITH THE COMPLETE DATASET WITH THE INDICATOR STRATEGY			
<b>HEALTHY</b>			
	Precision	Recall	F1 Score
<b>MIN.</b>	0.19555	0.36222	0.25399
<b>MEDIAN</b>	0.84469	0.91341	0.87561
<b>MEAN</b>	0.78388	0.87919	0.82271
<b>MAX.</b>	0.93264	0.99570	0.93105
<b>INFECTED</b>			
	Precision	Recall	F1 Score
<b>MIN.</b>	0.52105	0.25208	0.36228
<b>MEDIAN</b>	0.74122	0.58071	0.63252
<b>MEAN</b>	0.72880	0.56872	0.62908
<b>MAX.</b>	0.97489	0.82436	0.83576
<b>PARTIAL TESTING WITH THE INDICATOR STRATEGY</b>			
<b>dpi 5</b>			
<b>HEALTHY</b>			
	Precision	Recall	F1 Score
<b>MIN.</b>	0.31926	0.29167	0.33994
<b>MEDIAN</b>	0.60155	0.89320	0.69416
<b>MEAN</b>	0.65523	0.85210	0.72821
<b>MAX.</b>	1.00000	0.99800	0.95566
<b>INFECTED</b>			
	Precision	Recall	F1 Score
<b>MIN.</b>	0.20627	0.05594	0.09527
<b>MEDIAN</b>	0.76967	0.40463	0.52717
<b>MEAN</b>	0.75005	0.42710	0.51177
<b>MAX.</b>	0.97403	1.00000	0.94444
<b>dpi 10</b>			
<b>HEALTHY</b>			
	Precision	Recall	F1 Score
<b>MIN.</b>	0.18577	0.40967	0.26576
<b>MEDIAN</b>	0.62916	0.91022	0.75872

MEAN	0.60073	0.87697	0.70276
MAX.	0.94367	1.00000	0.92809
INFECTED			
	Precision	Recall	F1 Score
MIN.	0.54613	0.16031	0.26981
MEDIAN	0.84274	0.41973	0.54255
MEAN	0.81512	0.43644	0.55536
MAX.	1.00000	0.88028	0.86110
dpi 15			
HEALTHY			
	Precision	Recall	F1 Score
MIN.	0.45340	0.72640	0.61230
MEDIAN	0.87043	0.97200	0.90787
MEAN	0.84937	0.95030	0.89101
MAX.	1.00000	1.00000	0.98363
INFECTED			
	Precision	Recall	F1 Score
MIN.	0.53606	0.30203	0.44821
MEDIAN	0.92857	0.75349	0.81423
MEAN	0.89065	0.72707	0.78437
MAX.	1.00000	1.00000	0.96444
WHOLE INDIVIDUAL PLANTS			
TESTING WITH THE COMPLETE DATASET WITH THE INDICATOR STRATEGY			
HEALTHY			
	Precision	Recall	F1 Score
MIN.	0.25397	0.35556	0.29630
MEDIAN	0.77276	0.93333	0.84615
MEAN	0.75051	0.89600	0.81278
MAX.	0.91111	1.00000	0.91667
INFECTED			
	Precision	Recall	F1 Score
MIN.	0.58696	0.34286	0.47059
MEDIAN	0.88348	0.66667	0.75472
MEAN	0.87479	0.65877	0.74398
MAX.	1.00000	0.88235	0.89474

PARTIAL TESTING WITH THE INDICATOR STRATEGY				
		dpi 5		
HEALTHY				
		Precision	Recall	F1 Score
MIN.		0.33333	0.25000	0.33333
MEDIAN		0.62019	1.00000	0.71795
MEAN		0.63976	0.88210	0.71814
MAX.		1.00000	1.00000	1.00000
INFECTED				
		Precision	Recall	F1 Score
MIN.		0.54167	0.08696	0.15385
MEDIAN		0.95000	0.56522	0.68966
MEAN		0.88910	0.56701	0.65068
MAX.		1.00000	1.00000	1.00000
		dpi 10		
HEALTHY				
		Precision	Recall	F1 Score
MIN.		0.10000	0.07143	0.08333
MEDIAN		0.58824	0.93333	0.69091
MEAN		0.54454	0.87367	0.65774
MAX.		1.00000	1.00000	0.94118
INFECTED				
		Precision	Recall	F1 Score
MIN.		0.40909	0.31481	0.43038
MEDIAN		0.94737	0.57143	0.70000
MEAN		0.91497	0.57515	0.69572
MAX.		1.00000	1.00000	0.93204
		dpi 15		
HEALTHY				
		Precision	Recall	F1 Score
MIN.		0.42553	0.73333	0.55556
MEDIAN		0.83333	1.00000	0.90476
MEAN		0.82073	0.96897	0.88204
MAX.		1.00000	1.00000	1.00000
INFECTED				
		Precision	Recall	F1 Score
MIN.		0.77778	0.58621	0.70588
MEDIAN		1.00000	0.83333	0.88889
MEAN		0.96467	0.81902	0.88095

MAX.	1.00000	1.00000	1.00000
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