**SUPPLEMENTS**

**As good as human experts in detecting plant roots in minirhizotron images but efficient and reproducible: The Convolutional Neural Network "RootDetector"**

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Fig. S1: Visual impression of the mesocosm experiment.

Fig. S2: Visual impressions of the different wetland types covered in the field study, including a) a sedge-dominated percolation fen, b) a coastal flood fen and c) an alder (*Alnus glutinosa*) forest. The minirhizotrons are visible in b) as silver tubes at 45° angles with their aboveground part covered by opaque silver tape preventing the entry of light.

a)



c)



b)