

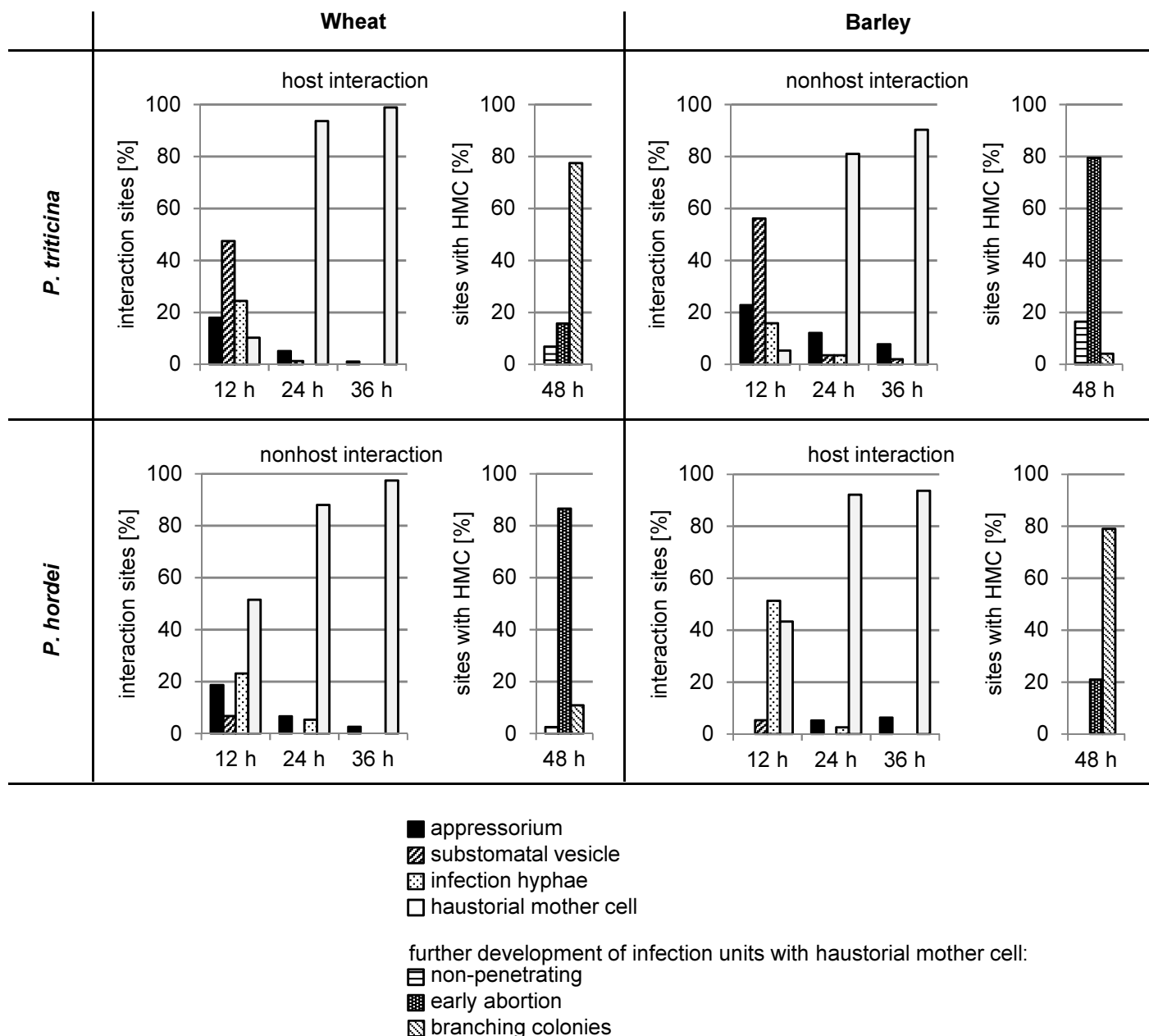


Figure S3. Quantitative cytology of wheat and barley interactions with *Puccinia* isolates. Wheat cv. Renan and barley cv. Vada were inoculated with *Puccinia tritici* and *Puccinia hordei*. At 12, 24 and 36 hours past inoculation (hpi) interaction sites with fungal appressoria were cytologically evaluated for the developmental stage of the fungus (appressorium, substomatal vesicle, infection hyphae and haustorial mother cell). At 48 hpi infection units that had formed a haustorial mother cell were assigned for categories of further development as indicated. Columns represent category percentages of approx. 100 interactions sites of two investigated leaves.