

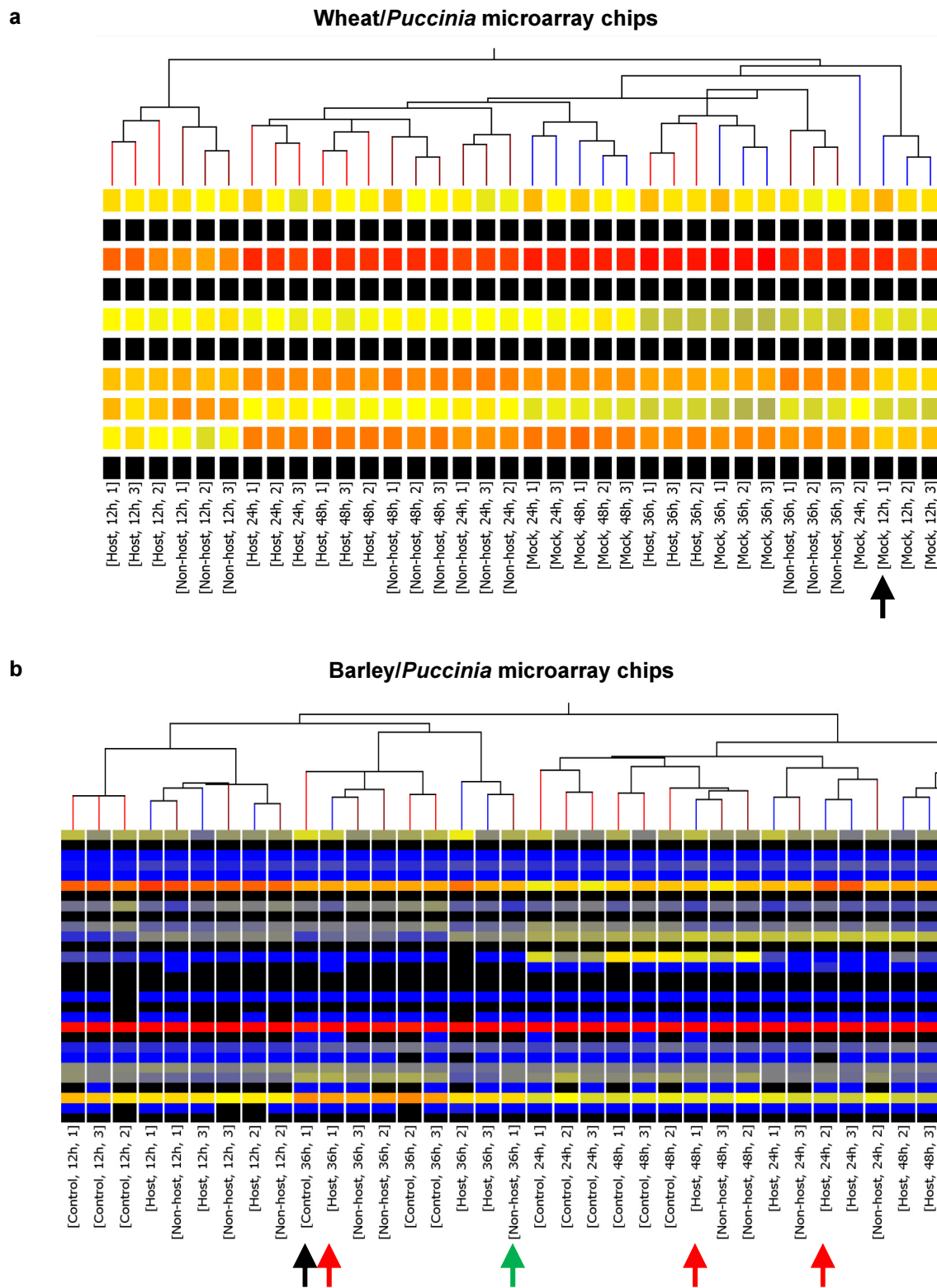


Figure S8. Clusterings of *Puccinia* microarray data leading to the decision to exclude one of three biological barley replicates. Ideally, the replications (1, 2, 3) from the same treatment (mock, host, nonhost) and time point (12, 24, 36 and 48 hpi) should cluster together. The clustering of chips was very clear in case of wheat/*Puccinia* interaction (**a**). In case of barley/*Puccinia* this was not the case: 7 out of 12 chips from replication 1 did not cluster into their respective subclades (**b**) (coloured arrows indicate chips out of their respective clusters). Therefore the complete replication 1 of barley/*Puccinia* interactions was omitted from the final analysis, resulting in a great enrichment of host/nonhost differentially regulated genes (11 according to analysis with all 3 replicates, 1824 according to analysis without replicate 1)