

Haustorial cDNAs from *Puccinia striiformis*

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We are constructing haustorial cDNA libraries from *P. striiformis* to identify effector proteins. Our first library carried about 20% fungal transcripts and roughly 1/3 of these were associated with ribosomes. Subsequent haustorial preparations have significantly reduced the amount of plant contamination, as indicated by a lower number of chloroplasts in the preparation. Libraries are now being constructed from more pure preparations. Functional assays for putative effectors will rely on their ability to cause a hypersensitive response when delivered into plant cells. Plasmid and bacterial delivery systems are both being considered and will be discussed.