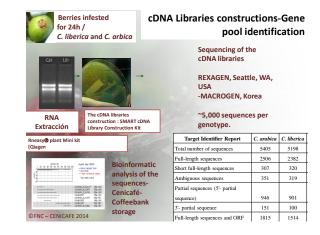


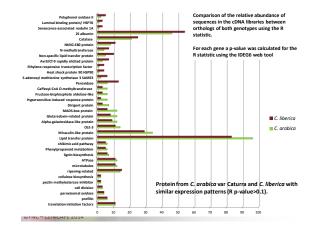


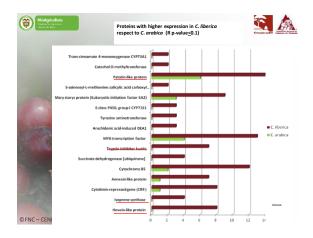
MOLECULAR TECNIQUES

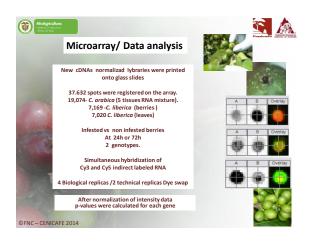
- Identification of a gene pool relate to plant defenses
 Sequencing of cDNA Full length libraries (10.000 sequences 5.000 from C. arabica and 5.000 C. liberica). 24h pos infestation.
- Development of Microarrays- Normalized cDNA libraries (33.253 total cDNA sequences. (19.074 from C. arabica var. Caturra, 14.189 from C. liberica)-For identification of Genes expression at 24-72h pos infestation.
- qRT-PCR-To corroborate the gene differential expression and to quantify the levels of expression at 24-48-72h pos infestation.
- Development of Oligoarray- For identification of Genes expressed 48h pos infestation.
- · Sequencing of infested berries transcriptome by RNA seq.

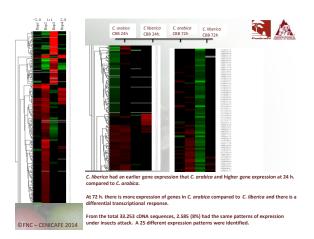
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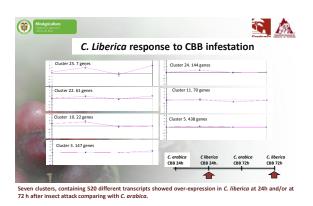












Many of the transcripts correspond to enzymes of metabolic pathways related to stress response.

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