



12 resistant individual data

12 susceptible individual data

Bioinformatic analysis

1,130 DEGs detected

1,162 significant SNPs

qRT-PCR variation + 3 DEGs selected for functional assay

9 SNPs in P450 gene family selected for association studies

RNAi
Bioassay

genotyping
Mutation

3 candidate DEGs tested:
• Cyp6a8
• CCG013931.2
• CCG000656.1

5 candidate P450 SNPs:
• Arg226Ser Pro175Gln
• His877Tyr Met120Ile
• Cys212Ser