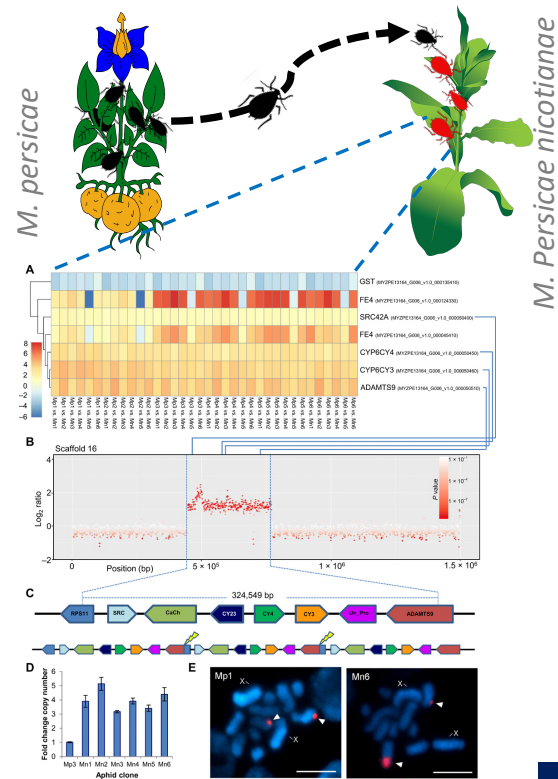
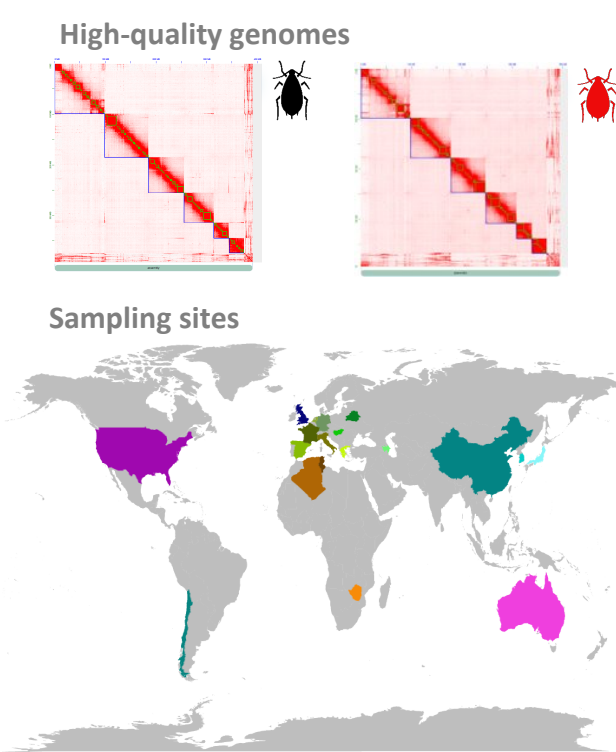


A global survey of genome sequence variation in the aphid *Myzus persicae*

1 Genetic architecture of host shift



2 Global survey of genomic variation



3 Resources and objective

- Characterized **mutational events** in *M. persicae* during its host-shift to tobacco and evolution of mechanisms that overcome **tobacco chemical defenses**.
- Six chromosomal level genomes** of multiple *M. persicae* clones.
- 130 resequenced genomes** of *M. persicae* from different geographical regions and host-plants.
- Investigate factors shaping **genomic variation, population structure and demography** of multiple *M. persicae* host-races from different geographical regions.