PfABCI3 **mediates resistance** to next-generation antimalarials

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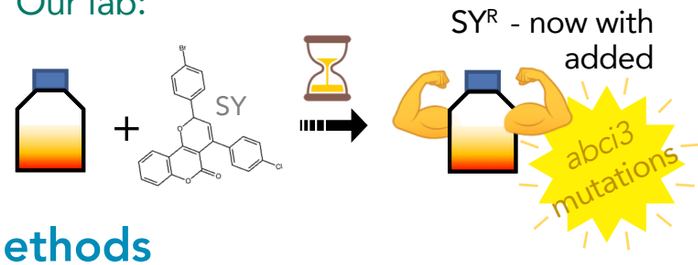
Background

- **ABC transporters** like MDR1 can affect antimalarial response
- Seven independent ***in vitro* evolution experiments** with chemically different antimalarials **generated mutations** in the ABC transporter ***abci3***
- Our lab:

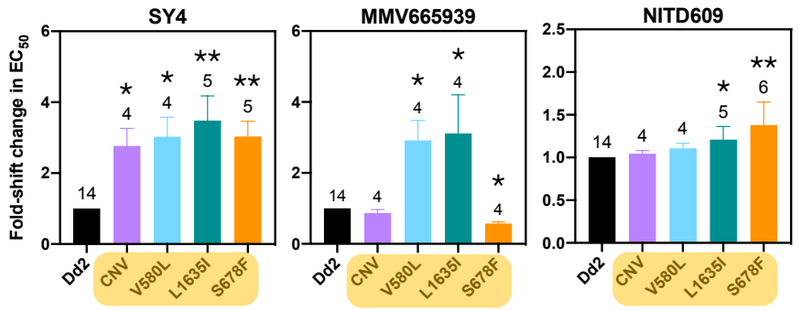


Methods

- 72 h dose-response assays of SY^R lines
- Normalisation to parent (Dd2)

Results

- *abci3* CNVs **and** SNPs modulate resistance
- Some SNPs mediate **cross resistance**



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