Panel A

![Graph showing the relationship between DNA concentration and number of cycles (Ct). The x-axis represents DNA concentration (ng/µl) of targeted plasmid, ranging from $10^{-7}$ to $10^{-2}$. The y-axis represents the number of cycles (Ct), ranging from 0 to 45. Two sets of data points are shown: one for *P. falciparum* (black dots) and another for *P. falciparum* + *P. vivax* (red diamonds). The concentration for *P. falciparum* is 0.01 ng/µl.](image-url)
Panel B

DNA concentration (ng/µl) of targeted plasmid

Number of cycles (Ct)

- $P. \text{vivax}$
- $P. \text{vivax} + P. \text{falciparum}$ (0.01 ng/µl)
Panel C

Number of cycles (Ct) vs. DNA concentration (ng/µl) of targeted plasmid.

- **DNA concentration (ng/µl)**
  - $10^{-7}$
  - $10^{-6}$
  - $10^{-5}$
  - $10^{-4}$
  - $10^{-3}$
  - $10^{-2}$

- **Number of cycles (Ct)**
  - 40
  - 35
  - 30
  - 25
  - 20
  - 15
  - 10
  - 5
  - 0

- **Samples**
  - **P. malariae**
  - **P. malariae + P. vivax** (0.01 ng/µl)
Panel D

DNA concentration (ng/µl)
of targeted plasmid

Number of cycles (Ct)

- **P. ovale**
- **P. ovale + P. vivax (0.01 ng/µl)**