Phusion PCR

1. Reaction Setup on ice
    1. 10 µl HF or GC Buffer
    2. 1 µl 10 mM dNTPs
    3. 2.5 µl 10 µM Forward Primer
    4. 2.5 µl 10 µM Reverse Primer
    5. 1 µl Template á 20-30 ng/µl
    6. Optional: 1 µl DMSO
    7. 0.5 µl Phusion DNA Polymerase
    8. Fill with Nuclease-free water to 50 µl
2. Thermocycling conditions
    1. 30 s 98°C Initial Denaturation
    2. max 20 Cycles for preparative, 35 for analytical purposes
        1. 10 s 98 °C
        2. Ta °C 30 s
        3. 72° C 30 s/kb
    3. Final Extension 72 °C 5 min