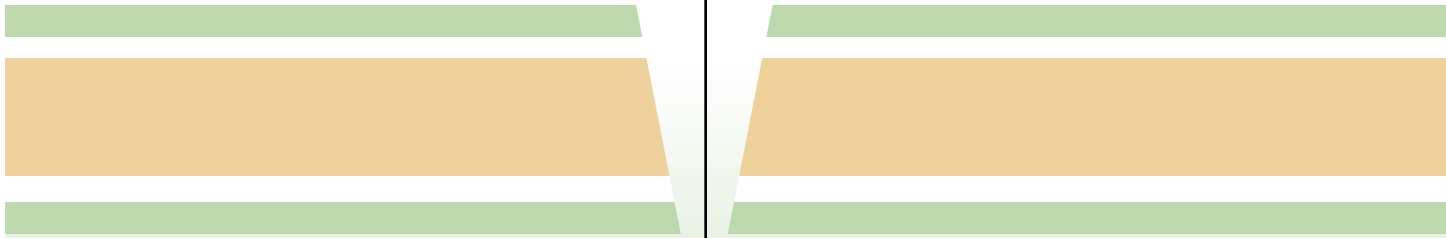


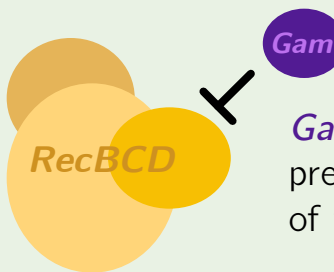
PCR **sequence of interest** with long primers harbouring **homologies** to the flanks of the target region.

Linear PCR products are electroporated in to the target cell.



The exonuclease *Exo* binds to the 5' regions and generates 3' overhangs

*Beta* binds to the 3' single strand overlaps



*Gam* inhibits *RecBCD* preventing degradation of the linear DNA

Homologous recombination inserts the **sequence of interest** in to the site with **flanking homologies**

