Read overlaps and adapter sequencing

Alignment Issues

1) [Image]
2) [Image] (Off-target reads/bases)
3) [Image]
4) [Image]
5) [Image]
6) [Image]
7) [Image]

PCR Replicates

Off-target reads/bases

Lane level processing

- Remove sequencing adapters
- Align to reference genome
- Find proper pairs
- Remove PCR duplicates
- Find well mapped pairs that overlap with probes
- Collapse overlapping reads in pairs
- Count the number of bases in target