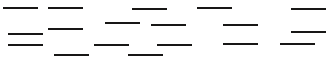
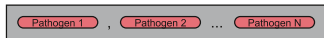


Unassembled Sequencing Reads

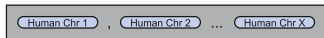


Reference Libraries

Target



Host



Non-Target



Align to Target Library



Filtered Reads

- No alignment to target library
- Alignment to target and host libraries
- Non-unique between target and non-target libraries

Align to Host Library



Align to Non-Target Library



Pathogenic Strain Identification

Pathogen A serotype 1



Pathogen A serotype 2



Pathogen A serotype 3



PathoScope Reassignment

Pathogen A serotype 1



Pathogen A serotype 2



Pathogen A serotype 3



- Read with ambiguous alignment
- Read with unique alignment