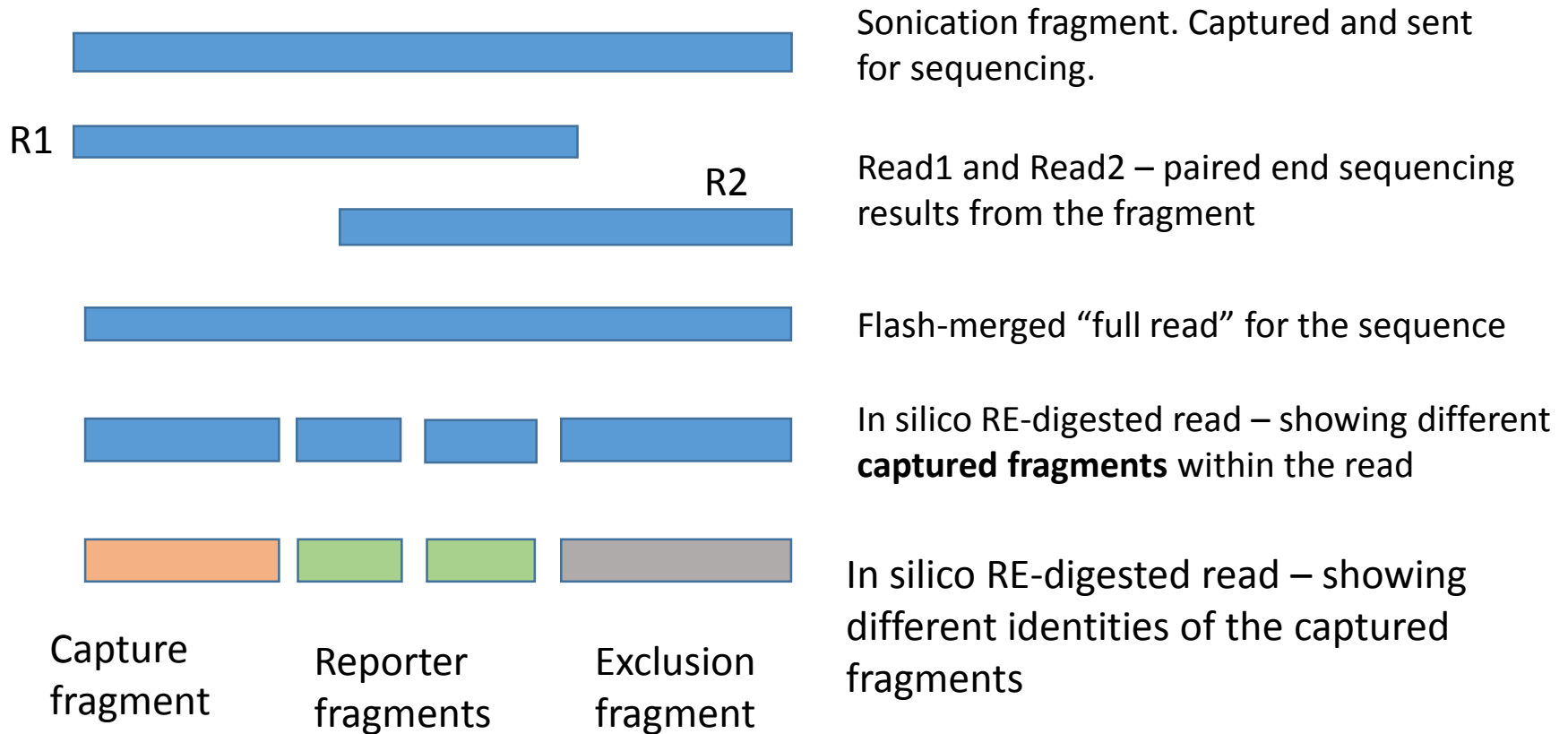


What is a “read” and what is a “fragment”

- In CaptureC analysis, we need to separate between various different fragment types.
- Here the nomenclature :



What is a “capture” and what is a “reporter” fragment

Analysis read (contains all these fragments)



In silico RE-digested read – showing different identities of the captured fragments

Capture
fragment

Reporter
fragments

Exclusion
fragment

Capture fragment is the fragment, which contained the the biotinylated oligo. It is marked as capture fragment, if it maps (in Bowtie) within the DpnII fragment where the capture oligo was located.

Exclusion fragment is a captured fragment, which is not within the oligo-containing DpnII fragment, but is +/- 1000 bases from that fragment. These fragments are considered to be “too close to the capture site” to be reliable signal, and are excluded from the analysis.

Reporter fragment is any other fragment than capture fragment or exclusion fragment. If there is a capture fragment within the same read, this reporter fragment is reported in the results.

Which reporter and capture fragments get reported ?

