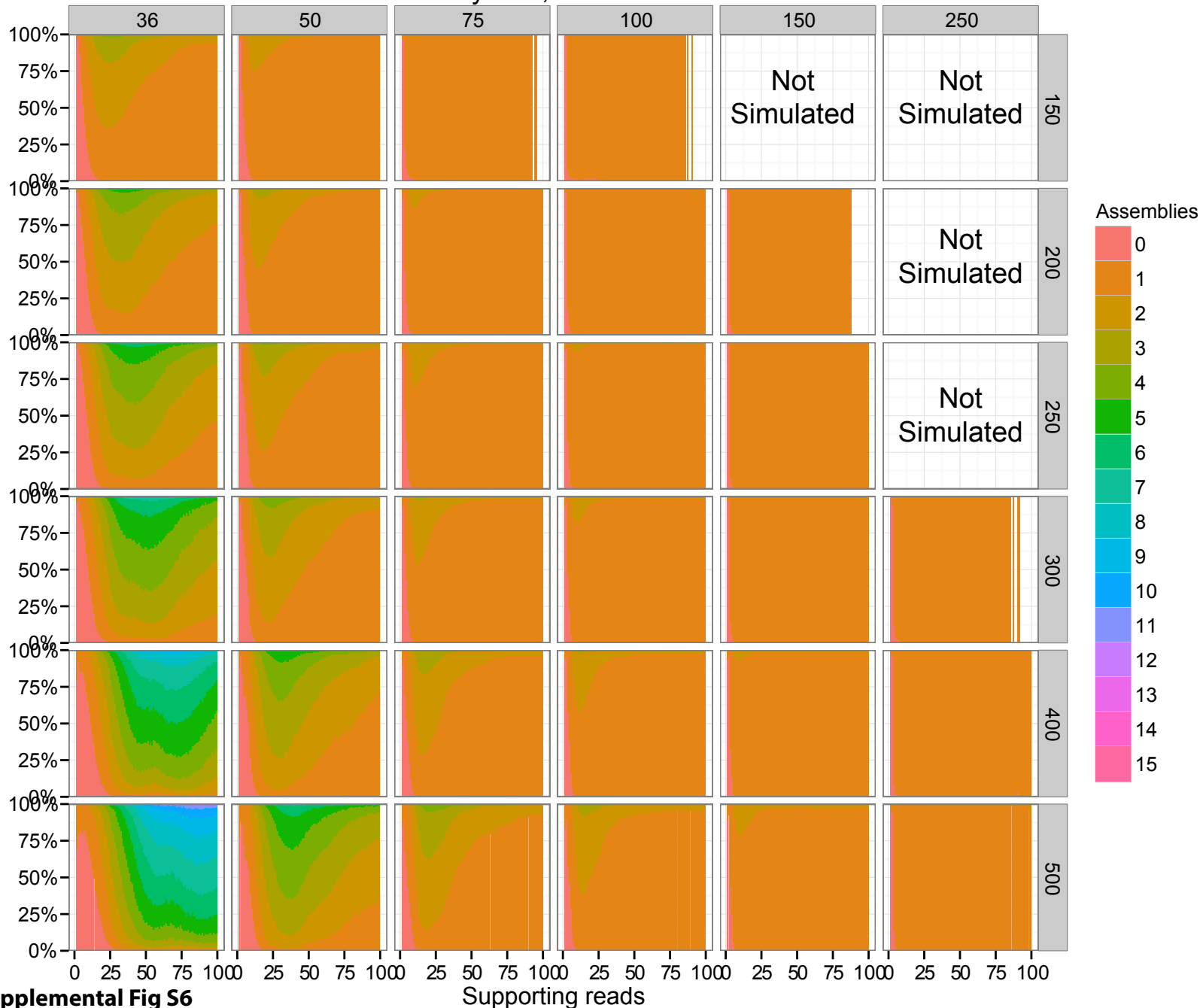


### Assembly rate, k=25



### Supplemental Fig S6

Breakdown of number of supporting assemblies generated by number of reads supporting the breakpoint. For 100bp onwards, assemblies can be reliably generated from the minimum of 3 supporting reads required for GRIDSS assembly. For shorter read lengths, larger fragment sizes result in fragmented assembly with multiple assemblies mutually supporting the breakpoint. Note that for a given read depth, the expected number of supporting reads increases linearly with fragment size.