

• *FseI* Digestion of Genomic DNA



...N NNGGCCGG
...N NNCC

CCNNN...
GGCCGGNNN...

• *FseI* Index Adapter Ligation



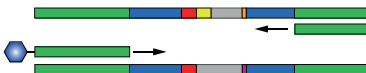
- Random Shearing
- Size Selection
- Adapter Fill-in
- Blunt Ending
- A-Tailing



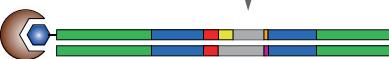
• T-tailed Adapter Ligation



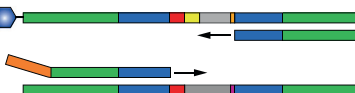
• PCR with Biotinylated Primer



• Purification with Streptavidin-coupled Magnetic Beads



• Final PCR with Illumina Primers



• Final DG Template



Cluster Generation
and
Sequencing (Illumina GAIIx)