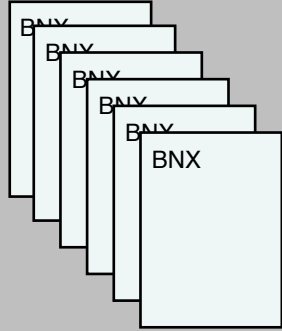




1

Autodetect: Converts Irys tiff files to BNX files

2



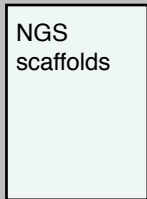
5

AssembleIrysCluster: uses *in silico* maps to prep assemblies

6



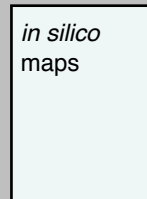
7



3

fa2cmap_multi: The genome scaffolds are *in silico* labeled

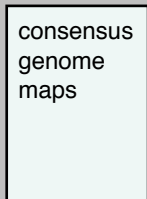
4



5

Assembler: assembles molecules

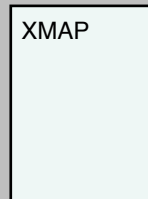
8



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RefAligner: aligns *in silico* and consensus genome maps

10



11

stitch: uses XMAPs and sequence files to super scaffold

12



11

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13

fa2cmap_multi: *in silico* nicks stitched NGS scaffolds

14



15