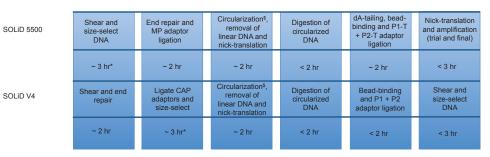
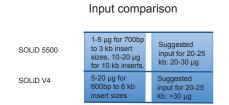
## Additional file 6



## Workflow comparison SOLiD 5500 vs. SOLiD V4

\* 3 hr for 1-6 kb libraries. 30V O/N for 6-10kb libraries (0.5% agarose gel) or 19 hr for pulsed-field gel electrophoresis in case of >10kb libraries. \* For 5500, 4x more efficient intra-molecular hybridization is used compared to circularization to an internal adaptor in the V4 protocol.



Additional file 6) Comparison between the MP workflow of SOLiD 5500 and SOLiD V4.

The main differences are the changed circularization procedure and the A-tailing to allow P1-T and P2-T adaptor ligation. These two improvements result in more efficient reactions, thereby requiring lower amounts of input DNA, while the complete time of the protocol stays similar (~14 hours hands on).