

## RNA Normalized Library Prep

From Marta Matvienko

1. mRNA prep using oligo-dT-25 DynalBeads. Double purification. Ideally need to recover at least 0.5 ug polyA RNA to continue. polyA prep is evaluated by gel electrophoresis.
2. cDNA synthesis and normalization using Clontech Smart cDNA library kit and Evrogen Trimmer-Direct kit. Trimmer Direct contains double stranded nuclease (DSN) that allows for normalization of transcript presence in the final cDNA population.
3. After Sfil digestion of the final cDNA population continue with the Illumina GA genomic library prep kit. Follow their protocol with the exception that nebulization is replaced by sonication.