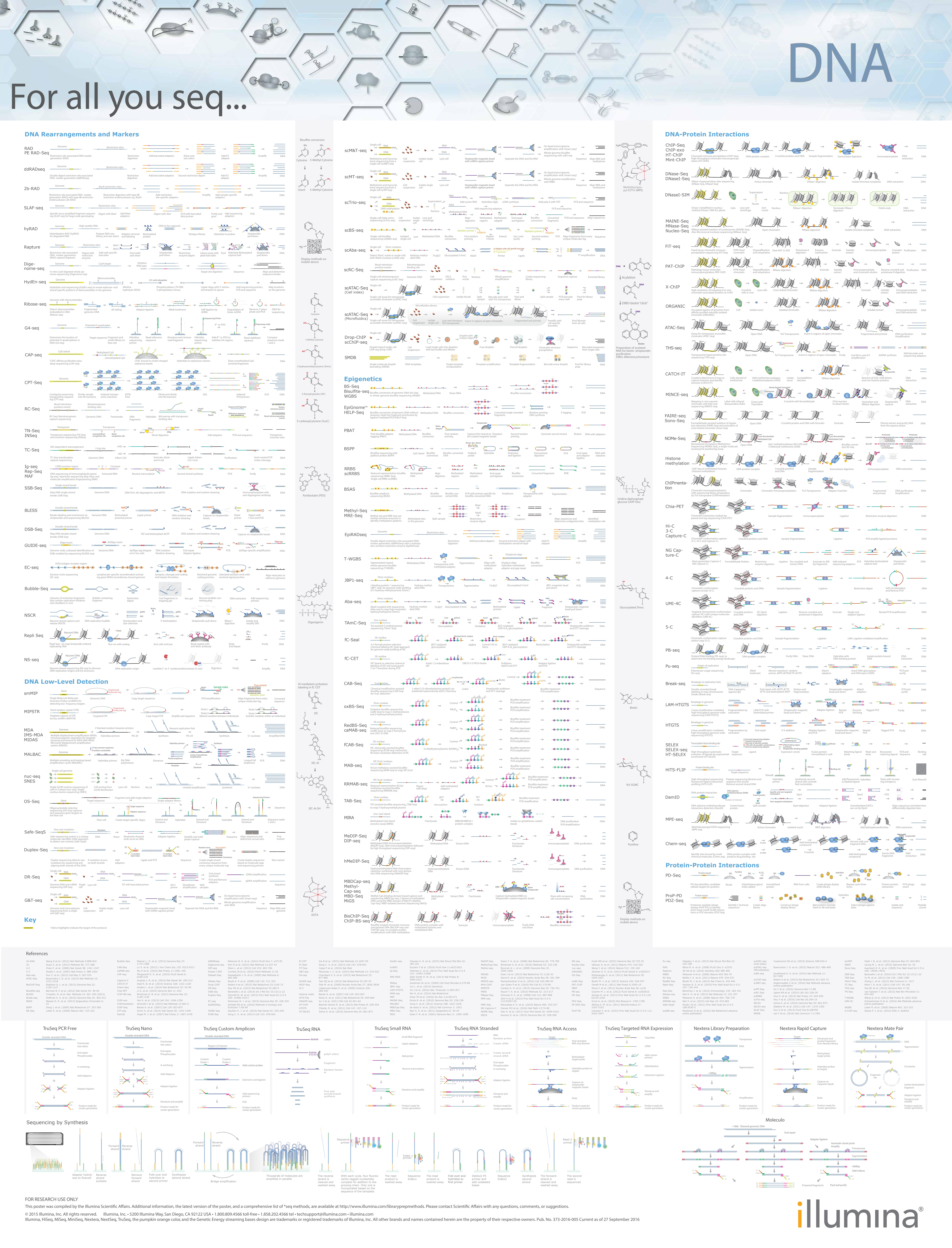


DNA

For all you seq...

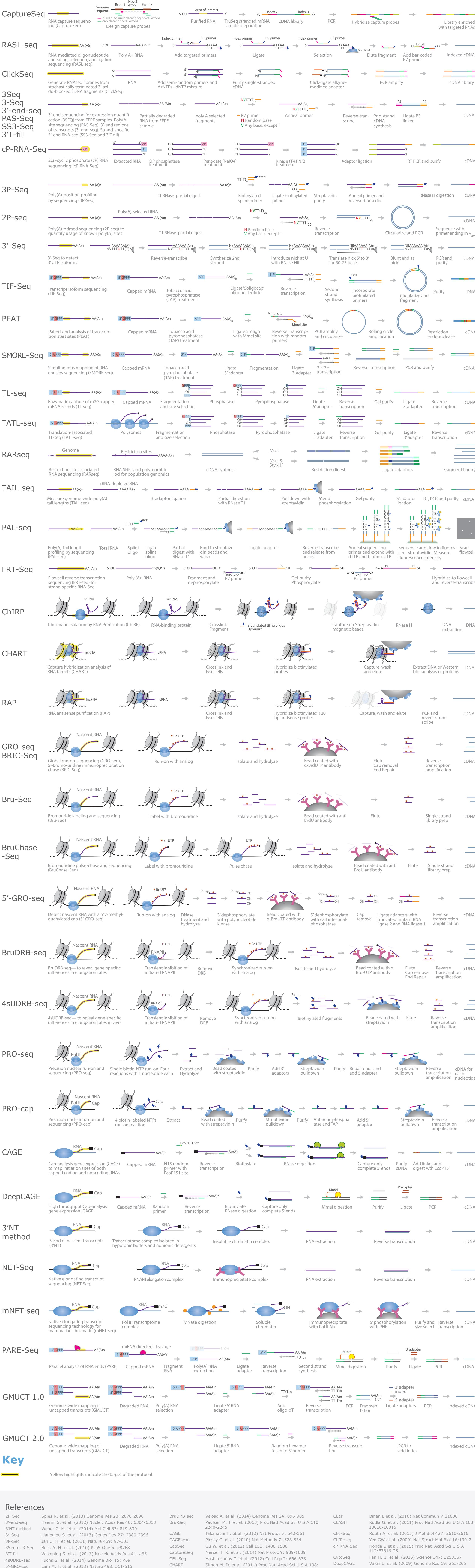


RNA

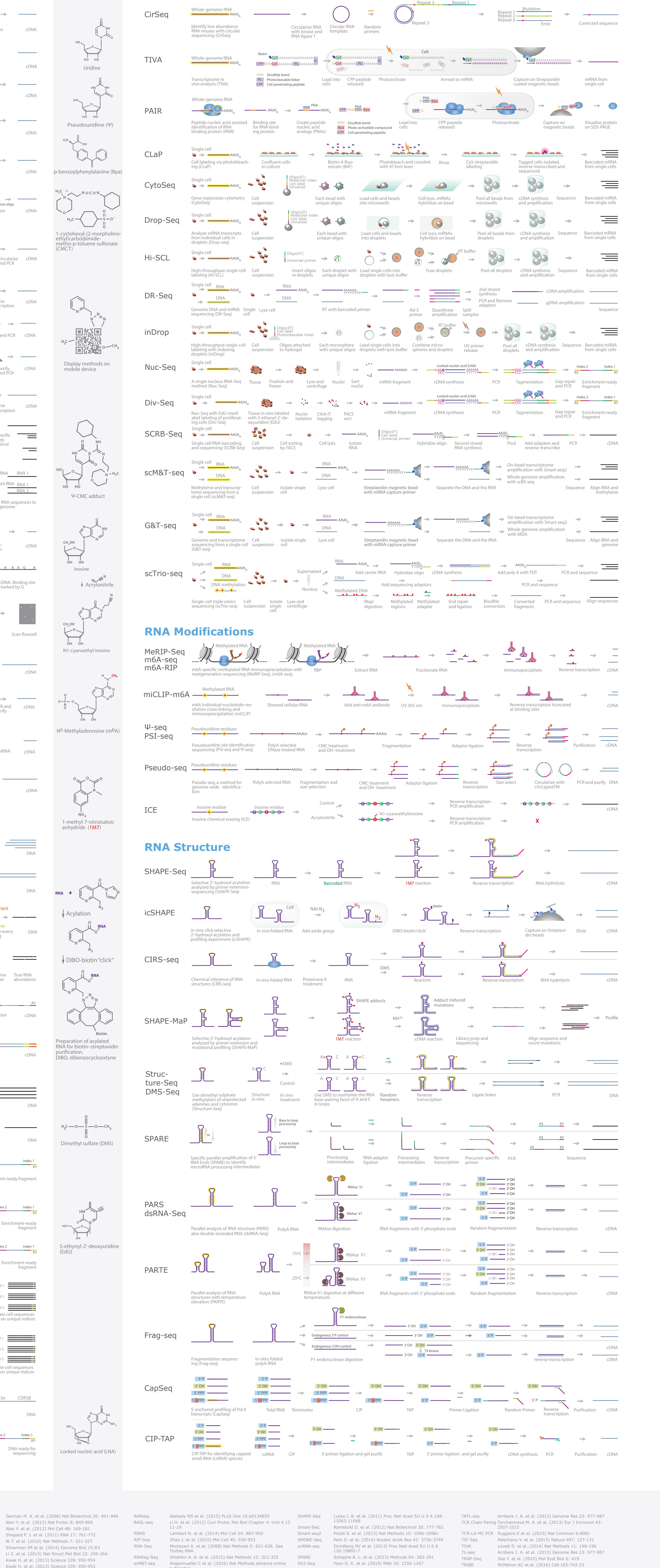
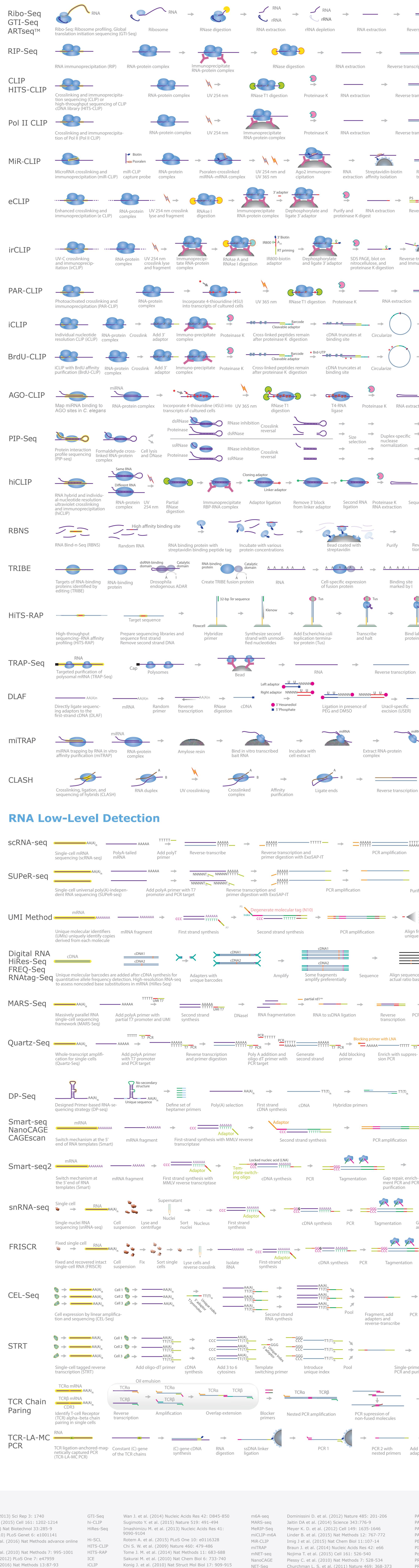
For all you seq...



RNA Transcription

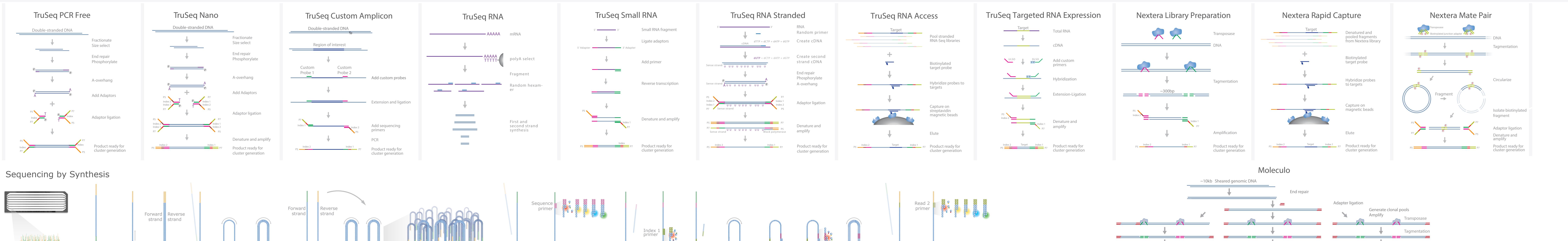


RNA-Protein Interactions



AGO-CLIP
BrdU-CLIP
BRIC-seq

BRIC-Seq Jani M. et al. (2012) Genome Res 22: 947-958
BruChase-Seq Paulsen M. T. et al. (2013) Proc Natl Acad Sci U S A 110: 2240-2245



The diagram illustrates the bridge amplification cycle. It starts with 'Adapter hybridizes to flowcell' and 'Reverse strand synthesis'. This leads to 'Remove forward strand', 'Fold over and hybridize to second primer', and 'Synthesize second strand'. A curved arrow labeled 'Bridge amplification' points back to the start of the cycle. The next steps are 'Thousands of molecules are amplified in parallel', 'The reverse strand is cleaved and washed away', 'With each cycle, four fluorescently tagged nucleotides compete for addition to the growing chain. Only one is incorporated based on the sequence of the template.', 'The read product is washed away', 'Sequence Index1', 'The read product is washed away', 'Fold over and hybridize to first primer', 'Deblock P5 primer and add unlabeled bases', 'Sequence Index2', 'Synthesize second strand', and finally 'The forward-strand is cleaved and washed away'.

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This poster was compiled by the Illumina Scientific Affairs. Additional information, the latest version of the poster, and a comprehensive list of *seq methods, are available at <http://www.illumina.com/libraryprepmethods>. Please contact Scientific Affairs with any questions, comments, or suggestions.

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