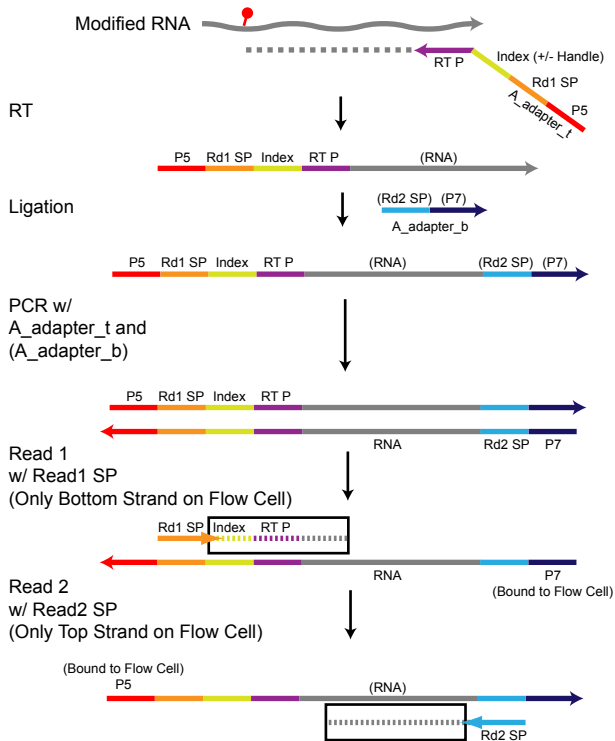


Illumina Basic Paired End Sequencing Layout



Key

(Seq) = Reverse Compliment of Seq

RT P = Reverse Transcriptase Primer

GAACCGACCGAAGCCCG

Index = (+/-) Handle

(+) **RRRY**

(-) **YYR**

Rd1 SP = Read 1 Sequencing Primer

ACACTCTTTCCCTACACGACGCTCTTCCGATCT

Rd2 SP = Read 2 Sequencing Primer

CGGTCTCGGCATTCTGCTGAACCGCTCTTCCGATCT

P5 = Flow Cell Attachment Site

AATGATACGGCGACCACCGAGATCTACAC

(P7) = Flow Cell Attachment Site

ATCTCGTATGCCGCTCTTCTGCTTG

A_adapter_t = P5 + Rd1SP

AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT

A_adapter_b = (Rd2SP) + (P7)

AGATCGGAAGAGCGGTTCAGCAGGAATGCCGAGACCGATCTCGTATGCCGCTCTTCTGCTTG