5' CAAGCAGAAGACGCCATACGAGATCCCTGATCTCGACCTCTCAGACCTCTCCCCATCTNNNNNNAGATCCGGAGCCCTCCTCTCAGGGAAAGACTCTAGATCTCGCTCCCCCTATCATT 3' 3' GTTCGTCTTCTGCCGTATGCTCTAGCACTACACTGACCTCAAGTCTGCACACGAGAAGGCTAGANNNNNNTCTAGCCTTCTCGCAGCACATCCCTTTCTCACATCTAGAGCCACCAGCGGCATAGTAA 5' Read primer Insert 3' Adenviation Index barcode flowcell binding site