Adapters and primers_illumina

```
Genomic DNA

Adapter:
5' --------ACACTCTTTCCCTAC ACGACGCTCTTCCGATCT (-) ------------- 3'
3' --------TGTGAGAAAGGGATG TGCTGCGAGAAGGCTAGp (-) ------------- 5'
Adapter:
5' ------------------- (-) pGATCGGAAGAGCTCGTATG CCGTCTTCTGCTTG 3'
3' ------------------- (-) TCTAGCCTTCTCGAGCATAC GGCAGAAGACGAAC 5'
PCR Primer:
5' AATGATACGGCGACCACCGA GATCTACACTCTTTCCCTAC ACGACGCTCTTCCGATCT (-) ------------- 3'
3' ------------------- -------------------- ------------------ (-) ------------- 5'
PCR Primer:
5' ------------------- (-) -------------------- -------------- 3'
3' ------------------- (-) TCTAGCCTTCTCGAGCATAC GGCAGAAGACGAAC 5'
Result Library: (adpter length--100 bp )
5' AATGATACGGCGACCACCGA GATCTACACTCTTTCCCTAC ACGACGCTCTTCCGATCT (N) AGATCGGAAGAGCTCGTATG CCGTCTTCTGCTTG 3'
3' TTACTATGCCGCTGGTGGCT CTAGATGTGAGAAAGGGATG TGCTGCGAGAAGGCTAGA (N) TCTAGCCTTCTCGAGCATAC GGCAGAAGACGAAC 5'
Genomic DNA Sequencing Primer:
5' ------------------- -----ACACTCTTTCCCTAC ACGACGCTCTTCCGATCT (-) -------------------- -------------- 3'
3' ------------------- -------------------- ------------------ (-) -------------------- -------------- 5'


DpnII gene expression

Gex Adapter 1:
5' -------------------A CAGGTTCAGAGTTCTACAGT CCGAC--------------- -------------------- ------ 3'
3' ------------------- ---CAAGTCTCAAGATGTCA GGCTGCTAGp---------- -------------------- ------ 5'
Gex Adapter 2:
5' ------------------- -------------------- -------------------- ----pTCGTATGCCGTCTTC TGCTTG 3'
3' ------------------- -------------------- -------------------- ---NNAGCATACGGCAGAAG ACGAAC 5'
Gex PCR Primer 1:
5' ------------------- -------------------- -------------------- -------------------- ------ 3'
3' ------------------- -------------------- -------------------- -----AGCATACGGCAGAAG ACGAAC 5'
Gex PCR Primer 2:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGA--------------- -------------------- ------ 3'
3' ------------------- -------------------- -------------------- -------------------- ------ 5'
Result Library:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGACGATCNNNNNNNNNNN NNNNNTCGTATGCCGTCTTC TGCTTG 3'
3' TTACTATGCCGCTGGTGGCT GTCCAAGTCTCAAGATGTCA GGCTGCTAGNNNNNNNNNNN NNNNNAGCATACGGCAGAAG ACGAAC 5'
Gex Sequencing Primer:
5' ----------------CGA CAGGTTCAGAGTTCTACAGT CCGACGATC----------- -------------------- ------ 3'
3'------------------- -------------------- -------------------- -------------------- ------ 5'


NlaIII gene expression

Gex Adapter 1:
5' -------------------A CAGGTTCAGAGTTCTACAGT CCGACATG------------ -------------------- ------ 3'
3' ------------------- ---CAAGTCTCAAGATGTCA GGCTp--------------- -------------------- ------ 5'
Gex Adapter 2:
5' ------------------- -------------------- -------------------- ----pTCGTATGCCGTCTTC TGCTTG 3'
3' ------------------- -------------------- -------------------- ---NNAGCATACGGCAGAAG ACGAAC 5'
Gex PCR Primer 1:
5' ------------------- -------------------- -------------------- -------------------- ------ 3'
3' ------------------- -------------------- -------------------- -----AGCATACGGCAGAAG ACGAAC 5'
Gex PCR Primer 2:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGA--------------- -------------------- ------ 3'
3' ------------------- -------------------- -------------------- -------------------- ------ 5'
Result Library:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGACATGNNNNNNNNNNNN NNNNNTCGTATGCCGTCTTC TGCTTG 3'
3' TTACTATGCCGCTGGTGGCT GTCCAAGTCTCAAGATGTCA GGCTGTACNNNNNNNNNNNN NNNNNAGCATACGGCAGAAG ACGAAC 5'
Gex Sequencing Primer:
5' ----------------CCGA CAGGTTCAGAGTTCTACAGT CCGACATG----------- -------------------- ------ 3'
3' ------------------- -------------------- -------------------- -------------------- ------ 5'


Small RNA

5' RNA Adapter:
5' ------------------- ---GUUCAGAGUUCUACAGU CCGACGAUC (-) -------------------- - 3'
3' ------------------- -------------------- --------- (-) -------------------- - 5'
3' RNA Adapter:
5' ------------------- -------------------- --------- (-)pUCGUAUGCCGUCUUCUGCUU GUidT 3'
3' ------------------- -------------------- --------- (-) -------------------- - 5'
RT Primer:
5' ------------------- -------------------- --------- (-) -------------------- - 3'
3' ------------------- -------------------- --------- (-) AGCATACGGCAGAAGACGAA C 5'
Small RNA PCR Primer 1:
5' ------------------- -------------------- --------- (-) -------------------- - 3'
3' ------------------- -------------------- --------- (-) AGCATACGGCAGAAGACGAA C 5'
Small RNA PCR Primer 2:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGA----- (-) -------------------- - 3'
3' ------------------- -------------------- --------- (-) -------------------- - 5'
Result Library:
5' AATGATACGGCGACCACCGA CAGGTTCAGAGTTCTACAGT CCGACGATC (N) TCGTATGCCGTCTTCTGCTT G 3'
3' TTACTATGCCGCTGGTGGCT GTCCAAGTCTCAAGATGTCA GGCTGCTAG (N) AGCATACGGCAGAAGACGAA C 5'
Small RNA Sequencing Primer:
5' ----------------CGA CAGGTTCAGAGTTCTACAGT CCGACGATC (-) -------------------- - 3'
3' ------------------- -------------------- --------- (-) -------------------- - 5'
```

**Two errors have been corrected. (Genomic DNA Adapter & Small RNA Result Library)
I'm sorry for that and other potential errors.**