

Barcodes of length 5 with a distance of 3 bases chosen for the adapter-barcode set on Oct 17 2009.

index of barcodes:

```
>adA2_aaccc  
>adA2_acacg  
>adA2_accta  
>adA2_actac  
>adA2_aggtt  
>adA2_ccatc  
>adA2_cctct  
>adA2_ctagt  
>adA2_ctctg  
>adA2_gagta  
>adA2_gatgt  
>adA2_gcaga  
>adA2_gccat  
>adA2_ggtaa  
>adA2_gtcgc  
>adA2_gtgag  
>adA2_taacg  
>adA2_tacag  
>adA2_tagct  
>adA2_tcgaa  
>adA2_tctgg  
>adA2_tgatg  
>adA2_tgcgt  
>adA2_tttcc
```

List of oligonucleotides

Important: adA is 5' phosphorylated!

```
>adA2_aaccc  
aacccAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG  
>adB2_aaccc  
ACACTCTTTCCCTACACGACGCTCTTCCGATCTgggttT
```

```
>adA2_acacg  
acacgAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG  
>adB2_acacg  
ACACTCTTTCCCTACACGACGCTCTTCCGATCTcgtgtT
```

```
>adA2_accta  
acctaAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG  
>adB2_accta  
ACACTCTTTCCCTACACGACGCTCTTCCGATCTtaggtT
```

```
>adA2_actac  
actacAGATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG  
>adB2_actac
```

ACACTCTTTCCCTACACGACGCTCTTCCGATCTgtagtT

>adA2_aggtt
aggttAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_aggtt
ACACTCTTTCCCTACACGACGCTCTTCCGATCTaacctT

>adA2_ccatc
ccatcAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_ccatc
ACACTCTTTCCCTACACGACGCTCTTCCGATCTgatggT

>adA2_cctct
cctctAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_cctct
ACACTCTTTCCCTACACGACGCTCTTCCGATCTagaggtT

>adA2_ctagt
ctagtAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_ctagt
ACACTCTTTCCCTACACGACGCTCTTCCGATCTactagtT

>adA2_ctctg
ctctgAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_ctctg
ACACTCTTTCCCTACACGACGCTCTTCCGATCTcagagtT

>adA2_gagta
gagtaAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_gagta
ACACTCTTTCCCTACACGACGCTCTTCCGATCTtactctT

>adA2_gatgt
gatgtAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_gatgt
ACACTCTTTCCCTACACGACGCTCTTCCGATCTacatctT

>adA2_gcaga
gcagaAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_gcaga
ACACTCTTTCCCTACACGACGCTCTTCCGATCTtctgctT

>adA2_gccat
gccatAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_gccat
ACACTCTTTCCCTACACGACGCTCTTCCGATCTatggctT

>adA2_ggtaa
ggtaaAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_ggtaa
ACACTCTTTCCCTACACGACGCTCTTCCGATCTttacctT

>adA2_gtcgc
gtcgcAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG
>adB2_gtcgc
ACACTCTTTCCCTACACGACGCTCTTCCGATCTgcgactT

>adA2_gtgag

Consistency with Illumina sequence (in blue):

PE Adapters1

5' P- GATCGGAAGAGCGGTTCAGCAGGAATGCCGAG

tttccAGATCGGAAGAGCGGTTCAGCAGGAATGCCGAG

5' ACACTCTTTCCTACACGACGCTCTTCCGATCT

ACACTCTTTCCTACACGACGCTCTTCCGATCTggaaaT