

Bar-Coded Adapters for Paired-End Indexed Sample Preparation for IGA Sequencing

Developed and tested on genomic BAC libraries by Marta Matvienko
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I tested desalted oligos ordered from Invitrogen. All PE1 oligos are 5' phosphorylated.

Prepare adapters by combining each pair in one tube to final concentration 10 uM each. Heat to 95°C for 3 min and slowly cool down to room temperature. When preparing indexed libraries replace standard paired-end adapters by bar-coded adapters in the ligation reaction.

The indexes will be read as first 6 letters in each sequencing direction. The seventh letter is always "T".

1-PE1-CACAGT

P- ACTGTGA GATCGGAAGAGCGGTT CAGCAGGAATGCCGAG

1-PE2-CACAGT

ACACTCTTCCCTACACGACGCTCTTCCGATCT CACAGTT

2-PE1-ATGGCT

P- AGCCATAGATCGGAAGAGCGGTT CAGCAGGAATGCCGAG

2-PE2-ATGGCT

ACACTCTTCCCTACACGACGCTCTTCCGATCT ATGGCTT

3-PE1-CGAGAT

P- ATCTCGAGATCGGAAGAGCGGTT CAGCAGGAATGCCGAG

3-PE2-CGAGAT

ACACTCTTCCCTACACGACGCTCTTCCGATCT CGAGATT

4-PE1-ACACTG

P- CAGTGTAGATCGGAAGAGCGGTT CAGCAGGAATGCCGAG

4-PE2-ACACTG

ACACTCTTCCCTACACGACGCTCTTCCGATCT ACACTGT

5-PE1-CATTCTG

P- CGAATGAGATCGGAAGAGCGGTT CAGCAGGAATGCCGAG

5-PE2-CATTCTG

ACACTCTTCCCTACACGACGCTCTTCCGATCT CATTCTGT

6-PE1-GCATAG

P-CTATGCA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

6-PE2-GCATAG

ACACTCTTTCCCTACACGACGCTCTTCCGATCTGCATAGT

7-PE1-ACTAGC

P-GCTAGTA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

7-PE2-ACTAGC

ACACTCTTTCCCTACACGACGCTCTTCCGATCTACTAGCT

8-PE1-CAGTAC

P-GTACTGA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

8-PE2-CAGTAC

ACACTCTTTCCCTACACGACGCTCTTCCGATCTCAGTACT

9-PE1-TGCAAC

P-GTTGCAA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

9-PE2-TGCAAC

ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGCAACT

10-PE1-TTGCGA

P-TCGCAA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

10-PE2-TTGCGA

ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTGCGAT

11-PE1-GCTACA

P-TGTAGCA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

11-PE2-GCTACA

ACACTCTTTCCCTACACGACGCTCTTCCGATCTGCTACAT

12-PE1-GAGCAA

P-TTGCTCA GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

12-PE2-GAGCAA

ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAGCAAT
