



Shelly Trigg <shellywanamaker@gmail.com>

illumina indexing primers compatible with Pico Methyl-Seq kit?3 messages

Shelly Trigg <strigg@uw.edu>
To: kgiang@zymoresearch.com

Tue, May 7, 2019 at 5:23 PM

Dear Karolyn,

I am wondering if there are alternative indexing primers that could be used in Section 5 of the Pico Methyl-Seq kit to enable multiplexing more than 6 samples (e.g. NEBNext Illumina indexing primers). Please let me know if there are any compatible alternatives currently available, as I am needing to multiplex many samples for a time-sensitive project.

Thank you,

Sincerely,

Shelly

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Shelly Trigg <strigg@uw.edu>
To: kgiang@zymoresearch.com

Tue, May 7, 2019 at 6:18 PM

Dear Karolyn,

I realize I forgot to mention that I plan on using the Illumina NovaSeq 6000 platform with an SP flowcell.

Thanks,

Shelly

[Quoted text hidden]

Karolyn Giang <kGiang@zymoresearch.com>
To: Shelly Trigg <strigg@uw.edu>

Wed, May 8, 2019 at 9:18 AM

Dear Shelly,

We do not sell additional primers, but you can order them from your favorite custom oligo vendor. The libraries generated by this kit are compatible with sequencing on the NovaSeq. Each index primer set in the Pico Methyl-Seq Library Prep kit is composed of two primers, P5 and P7, at a concentration of 10 uM. The index primers that are

included in the Pico Methyl-Seq kit are based off of the Illumina TruSeq index primers (dashes are the 6-nucleotide barcode sequence, which is only on the P7). You can order the primers from your favorite oligo vendor. The primers do not need to be specially purified – we use standard desalting.

P7: 5'-CAAGCAGAAGACGGCATACGAGAT-----GTGACTGGAGTTCAGACGTGTG-3'

P5: 5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTT-3'

This table contains additional Illumina barcodes that you can choose from.

Index	Indexing Primer
1	CAAGCAGAAGACGGCATACGAGATCGTGATGTGACTGGAGTTCAGACGTGTG
3	CAAGCAGAAGACGGCATACGAGATGCCTAAGTGACTGGAGTTCAGACGTGTG
8	CAAGCAGAAGACGGCATACGAGATTCAAGTGTGACTGGAGTTCAGACGTGTG
9	CAAGCAGAAGACGGCATACGAGATCTGATCGTGACTGGAGTTCAGACGTGTG
10	CAAGCAGAAGACGGCATACGAGATAAGCTAGTGACTGGAGTTCAGACGTGTG
11	CAAGCAGAAGACGGCATACGAGATGTAGCCGTGACTGGAGTTCAGACGTGTG
13	CAAGCAGAAGACGGCATACGAGATTTGACTGTGACTGGAGTTCAGACGTGTG
14	CAAGCAGAAGACGGCATACGAGATGGAAGTGTGACTGGAGTTCAGACGTGTG
15	CAAGCAGAAGACGGCATACGAGATTGACATGTGACTGGAGTTCAGACGTGTG
16	CAAGCAGAAGACGGCATACGAGATGGACGGGTGACTGGAGTTCAGACGTGTG
17	CAAGCAGAAGACGGCATACGAGATCTCTACGTGACTGGAGTTCAGACGTGTG
18	CAAGCAGAAGACGGCATACGAGATGCGGACGTGACTGGAGTTCAGACGTGTG
19	CAAGCAGAAGACGGCATACGAGATTTTACGTGACTGGAGTTCAGACGTGTG
20	CAAGCAGAAGACGGCATACGAGATGGCCACGTGACTGGAGTTCAGACGTGTG
21	CAAGCAGAAGACGGCATACGAGATCGAAACGTGACTGGAGTTCAGACGTGTG
22	CAAGCAGAAGACGGCATACGAGATCGTACGGTGACTGGAGTTCAGACGTGTG

23 CAAGCAGAAGACGGCATACGAGATCCACTCGTGA CTGGAGTTCAGACGTGTG

25 CAAGCAGAAGACGGCATACGAGATATCAGTGTGA CTGGAGTTCAGACGTGTG

27 CAAGCAGAAGACGGCATACGAGATAGGAATGTGA CTGGAGTTCAGACGTGTG

28 CAAGCAGAAGACGGCATACGAGATCTTTTGGTGA CTGGAGTTCAGACGTGTG

29 CAAGCAGAAGACGGCATACGAGATTAGTTGGTGA CTGGAGTTCAGACGTGTG

30 CAAGCAGAAGACGGCATACGAGATCCGGTGGTGA CTGGAGTTCAGACGTGTG

31 CAAGCAGAAGACGGCATACGAGATATCGTGGTGA CTGGAGTTCAGACGTGTG

32 CAAGCAGAAGACGGCATACGAGATTGAGTGGTGA CTGGAGTTCAGACGTGTG

33 CAAGCAGAAGACGGCATACGAGATCGCCTGGTGA CTGGAGTTCAGACGTGTG

Please let me know if you have additional questions.

Best,

Karolyn



Karolyn Giang

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