

# Illumina Adapter Sequences

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## TruSight Amplicon Panels

Includes TruSight Myeloid Sequencing Panel and TruSight Tumor 26

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet
A701	ATCACGAC
A702	ACAGTGGT
A703	CAGATCCA
A704	ACAAACGG
A705	ACCCAGCA
A706	AACCCCTC
A707	CCCAACCT
A708	CACCACAC
A709	GAAACCCA
A710	TGTGACCA
A711	AGGGTCAA
A712	AGGAGTGG

### Index 2 (i5) Adapter

i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
A501	TGAACCTT	AAGGTTC A
A502	TGCTAAGT	ACTTAGCA
A503	TGTTCTCT	AGAGAACA
A504	TAAGACAC	GTGTCTTA
A505	CTAATCGA	TCGATTAG
A506	CTAGAACA	TGTTCTAG
A507	TAAGTTCC	GGA ACTTA
A508	TAGACCTA	TAGGTCTA

## TruSight Cardio

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet
N701	TAAGGCGA
N702	CGTACTAG
N703	AGGCAGAA
N704	TCCTGAGC
N705	GGACTCCT
N706	TAGGCATG
N707	CTCTCTAC
N708	CAGAGAGG
N709	GCTACGCT
N710	CGAGGCTG
N711	AAGAGGCA
N712	GTAGAGGA

### Index 2 (i5) Adapter

i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
A505	GTAAGGAG	CTCCTTAC

## TruSight One

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet
N701	TAAGGCGA
N702	CGTACTAG
N703	AGGCAGAA
N704	TCCTGAGC

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
N705	GGACTCCT
N706	TAGGCATG
N707	CTCTCTAC
N708	CAGAGAGG
N709	GCTACGCT
N710	CGAGGCTG
N711	AAGAGGCA
N712	GTAGAGGA

### Index 2 (i5) Adapter

<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
A502	CTCTCTAT	ATAGAGAG
A503	TATCCTCT	AGAGGATA
A504	AGAGTAGA	TCTACTCT
A505	GTAAGGAG	CTCCTTAC

## TruSight Rapid Capture

Includes TruSight Autism, TruSight Cancer, and TruSight Inherited Disease

### Index 1 (i7) Adapters

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
N701	TAAGGCGA
N702	CGTACTAG
N703	AGGCAGAA
N704	TCCTGAGC
N705	GGACTCCT
N706	TAGGCATG
N707	CTCTCTAC

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
N708	CAGAGAGG
N709	GCTACGCT
N710	CGAGGCTG
N711	AAGAGGCA
N712	GTAGAGGA

## Index 2 (i5) Adapter

<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
E502	CTCTCTAT	ATAGAGAG
E505	GTAAGGAG	CTCCTTAC
E506	ACTGCATA	TATGCAGT
E517	GCGTAAGA	TCTTACGC

## TruSight Tumor 15

## Index 1 (i7) Adapters

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
R701	ATCACG
R702	CGATGT
R703	TTAGGC
R704	TGACCA
R705	ACAGTG
R706	GCCAAT
R707	CAGATC
R708	ACTTGA
R709	GATCAG
R711	GGCTAC
R712	CTTGTA

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
R725	ACTGAT
R726	ATGAGC
R727	ATTCCT
R728	CAAAAG
R729	CAACTA
R730	CACCGG
R731	CACGAT
R732	CACTCA
R733	CAGGCG
R734	CATGGC
R735	CATTTT
R736	CCAACA
R749	GATGCT

## Index 2 (i5) Adapter

<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
A501	TGAACCTT	AAGGTTC A
A502	TGCTAAGT	ACTTAGCA

## Illumina Nextera Library Prep Kits

Includes Nextera DNA, Nextera XT, Nextera Enrichment (**obsolete**), and Nextera Rapid Capture

### Nextera Transposase Adapters

(Used for Nextera tagmentation)

#### Read 1

5' TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG

#### Read 2

5' GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG

### Nextera Index Kit – PCR Primers

#### Index 1 Read

5' CAAGCAGAAGACGGCATAACGAGAT [i7] GTCTCGTGGGCTCGG

#### Index 2 Read

5' AATGATACGGCGACCACCGAGATCTACAC [i5] TCGTCGGCAGCGTC

### Nextera Index Kit - Index 1 (i7) Adapters

i7 Bases in Adapter	i7 Index Name	i7 Bases for Sample Sheet
TCGCCTTA	N701	TAAGGCGA
CTAGTACG	N702	CGTACTAG
TTCTGCCT	N703	AGGCAGAA
GCTCAGGA	N704	TCCTGAGC
AGGAGTCC	N705	GGACTCCT
CATGCCTA	N706	TAGGCATG
GTAGAGAG	N707	CTCTCTAC
CCTCTCTG	N708	CAGAGAGG
AGCGTAGC	N709	GCTACGCT
CAGCCTCG	N710	CGAGGCTG
TGCCTCTT	N711	AAGAGGCA
TCCTCTAC	N712	GTAGAGGA

## Nextera Index Kit - Index 2 (i5) Adapters

The i5 index names vary for different Nextera products as follows:

- N50x—Nextera DNA
- S50x—Nextera XT
- E50x—Nextera Enrichment and Nextera Rapid Capture

i5 Bases in Adapter	i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
TAGATCGC	[N/S/E]501	TAGATCGC	GCGATCTA
CTCTCTAT	[N/S/E]502	CTCTCTAT	ATAGAGAG
TATCCTCT	[N/S/E]503	TATCCTCT	AGAGGATA
AGAGTAGA	[N/S/E]504	AGAGTAGA	TCTACTCT
GTAAGGAG	[N/S/E]505	GTAAGGAG	CTCCTTAC
ACTGCATA	[N/S/E]506	ACTGCATA	TATGCAGT
AAGGAGTA	[N/S/E]507	AAGGAGTA	TACTCCTT
CTAAGCCT	[N/S/E]508	CTAAGCCT	AGGCTTAG
GCGTAAGA	[N/S/E]517	GCGTAAGA	TCTTACGC

## Nextera XT Index Kit v2 - Index 1 (i7) Adapters

i7 Bases in Adapter	i7 Index Name	i7 Bases for Entry on Sample Sheet
TCGCCTTA	N701	TAAGGCCGA
CTAGTACG	N702	CGTACTAG
TTCTGCCT	N703	AGGCAGAA
GCTCAGGA	N704	TCCTGAGC
AGGAGTCC	N705	GGACTCCT
CATGCCTA	N706	TAGGCATG
GTAGAGAG	N707	CTCTCTAC
CAGCCTCG	N710	CGAGGCTG
TGCCCTTT	N711	AAGAGGCA
TCCTCTAC	N712	GTAGAGGA
TCATGAGC	N714	GCTCATGA

<b>i7 Bases in Adapter</b>	<b>i7 Index Name</b>	<b>i7 Bases for Entry on Sample Sheet</b>
CCTGAGAT	N715	ATCTCAGG
TAGCGAGT	N716	ACTCGCTA
GTAGCTCC	N718	GGAGCTAC
TACTACGC	N719	GCGTAGTA
AGGCTCCG	N720	CGGAGCCT
GCAGCGTA	N721	TACGCTGC
CTGCGCAT	N722	ATGCGCAG
GAGCGCTA	N723	TAGCGCTC
CGCTCAGT	N724	ACTGAGCG
GTCTTAGG	N726	CCTAAGAC
ACTGATCG	N727	CGATCAGT
TAGCTGCA	N728	TGCAGCTA
GACGTCGA	N729	TCGACGTC

## Nextera XT Index Kit v2 - Index 2 (i5) Adapters

<b>i5 Bases in Adapter</b>	<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
CTCTCTAT	S502	CTCTCTAT	ATAGAGAG
TATCCTCT	S503	TATCCTCT	AGAGGATA
GTAAGGAG	S505	GTAAGGAG	CTCCTTAC
ACTGCATA	S506	ACTGCATA	TATGCAGT
AAGGAGTA	S507	AAGGAGTA	TACTCCTT
CTAAGCCT	S508	CTAAGCCT	AGGCTTAG
CGTCTAAT	S510	CGTCTAAT	ATTAGACG
TCTCTCCG	S511	TCTCTCCG	CGGAGAGA
TCGACTAG	S513	TCGACTAG	CTAGTCGA
TTCTAGCT	S515	TTCTAGCT	AGCTAGAA
CCTAGAGT	S516	CCTAGAGT	ACTCTAGG

<b>i5 Bases in Adapter</b>	<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
GCGTAAGA	S517	GCGTAAGA	TCTTACGC
CTATTAAG	S518	CTATTAAG	CTTAATAG
AAGGCTAT	S520	AAGGCTAT	ATAGCCTT
GAGCCTTA	S521	GAGCCTTA	TAAGGCTC
TTATGCGA	S522	TTATGCGA	TCGCATAA

## TruSeq Amplicon Kits

TruSeq Custom Amplicon 1.5, TruSeq Amplicon Cancer Panel, and TruSeq Custom Amplicon Low Input

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet
A701	ATCACGAC
A702	ACAGTGGT
A703	CAGATCCA
A704	ACAAACGG
A705	ACCCAGCA
A706	AACCCCTC
A707	CCCAACCT
A708	CACCACAC
A709	GAAACCCA
A710	TGTGACCA
A711	AGGGTCAA
A712	AGGAGTGG

### Index 2 (i5) Adapter

i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
A501	TGAACCTT	AAGGTTC A
A502	TGCTAAGT	ACTTAGCA
A503	TGTTCTCT	AGAGAACA
A504	TAAGACAC	GTGTCTTA
A505	CTAATCGA	TCGATTAG
A506	CTAGAACA	TGTTCTAG
A507	TAAGTTCC	GGA ACTTA
A508	TAGACCTA	TAGGTCTA

## TruSeq HT Kits

Includes TruSeq DNA PCR-Free HT, TruSeq Nano HT, TruSeq Stranded mRNA HT, and TruSeq Total RNA HT

### D501–D508 Adapters

AATGATACGGCGACCACCGAGATCTACAC [**i5**] ACACTCTTTCCCTACACGACGCTCTTCCGATCT

### D701–D712 Adapters

GATCGGAAGAGCACACGTCTGAACTCCAGTCAC [**i7**] ATCTCGTATGCCGTCTTCTGCTTG

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet
D701	ATTACTCG
D702	TCCGGAGA
D703	CGCTCATT
D704	GAGATTCC
D705	ATTCAGAA
D706	GAATTCGT
D707	CTGAAGCT
D708	TAATGCGC
D709	CGGCTATG
D710	TCCGCGAA
D711	TCTCGCGC
D712	AGCGATAG

### Index 2 (i5) Adapters

i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
D501	TATAGCCT	AGGCTATA
D502	ATAGAGGC	GCCTCTAT
D503	CCTATCCT	AGGATAGG

i5 Index Name	i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq	i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000
D504	GGCTCTGA	TCAGAGCC
D505	AGGCGAAG	CTTCGCCT
D506	TAATCTTA	TAAGATTA
D507	CAGGACGT	ACGTCCTG
D508	GTACTGAC	GTCAGTAC

## TruSeq LT Kits and TruSeq v1/v2 Kits

Includes TruSeq DNA PCR-Free LT, TruSeq Nano DNA LT, TruSeq DNA v1/v2/LT (**obsolete**), TruSeq RNA v1/v2/LT, TruSeq Stranded mRNA LT, TruSeq Stranded Total RNA LT, TruSeq RNA Access, and TruSeq ChIP

Index sequences are 6 bases as underlined. Enter the underlined 6 bases on the sample sheet.

### TruSeq Universal Adapter

5' AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT

### TruSeq Index Adapters (Index 1–27)

Index numbers 17, 24, and 26 are reserved.

#### TruSeq Adapter, Index 1

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACATCACGATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 2

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACCGATGTATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 3

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCATTAGGCATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 4

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCATGACCAATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 5

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACACAGTGATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 6

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGCCAATATCTCGTATGCCGTCTTCTGCTTG

#### TruSeq Adapter, Index 7

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACCAGATCATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 8

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACACTTGAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 9

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGATCAGATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 10

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACTAGCTTATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 11

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGGCTACATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 12

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACCTTGTAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 13

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACAGTCAACAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 14

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACAGTTCCGTATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 15

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACATGTCAGAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 16

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACCCGTCCCGATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 18

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGTCCGCACATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 19

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGTGAAACGATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 20

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGTGGCCTTATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 21

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGT TTCGGAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 22

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACCGTACGTAATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 23

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACGAGTGGATATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 25

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACACTGATATATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Adapter, Index 27

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCACATTCCTTTATCTCGTATGCCGTCTTCTGCTTG

## TruSeq Synthetic Long-Read DNA

Double-stranded DNA adapter containing long-range PCR primer binding site, sequencing primer binding site, and end marker sequence.

### Long Reads Adapter

5' CCGGTTCTTCCCTGCCGAACCCTATCTTCGTCGGCAGCGTCAGATGTGTATAAGAGACAGTACG  
CTTGCA

## TruSeq Small RNA

### RNA 5' Adapter (RA5)

5' GUUCAGAGUUCUACAGUCCGACGAUC

### RNA 3' Adapter (RA3)

5' TGGAATTCTCGGGTGCCAAGG

### Stop Oligo (STP)

5' GAAUCCACCACGUUCCCGUGG

### RNA RT Primer (RTP)

5' GCCTTGGCACCCGAGAATTCCA

### RNA PCR Primer (RP1)

5' AATGATACGGCGACCACCGAGATCTACACGTTTCAGAGTTCTACAGTCCGA

### RNA PCR Index Primers (RPI1–RPI48)

Index sequence is 6 bases as underlined. Enter the underlined 6 bases on the sample sheet. Index sequences are read in the reverse complement in TruSeq small RNA libraries.

#### RNA PCR Primer, Index 1 (RPI1)

5' CAAGCAGAAGACGGCATAACGAGATCGTGATGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

#### RNA PCR Primer, Index 2 (RPI2)

5' CAAGCAGAAGACGGCATAACGAGATACATCGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

#### RNA PCR Primer, Index 3 (RPI3)

5' CAAGCAGAAGACGGCATAACGAGATGCCTAAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

#### RNA PCR Primer, Index 4 (RPI4)

5' CAAGCAGAAGACGGCATAACGAGATTGGTCAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

#### RNA PCR Primer, Index 5 (RPI5)

5' CAAGCAGAAGACGGCATAACGAGATCACTGTGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 6 (RPI6)

5' CAAGCAGAAGACGGCATAACGAGATATTGGCGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 7 (RPI7)

5' CAAGCAGAAGACGGCATAACGAGATGATCTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 8 (RPI8)

5' CAAGCAGAAGACGGCATAACGAGATTCAAGTGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 9 (RPI9)

5' CAAGCAGAAGACGGCATAACGAGATCTGATCGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 10 (RPI10)

5' CAAGCAGAAGACGGCATAACGAGATAAGCTAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 11 (RPI11)

5' CAAGCAGAAGACGGCATAACGAGATGTAGCCGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 12 (RPI12)

5' CAAGCAGAAGACGGCATAACGAGATTACAAGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 13 (RPI13)

5' CAAGCAGAAGACGGCATAACGAGATTTGACTGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 14 (RPI14)

5' CAAGCAGAAGACGGCATAACGAGATGGAAGTGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 15 (RPI15)

5' CAAGCAGAAGACGGCATAACGAGATTGACATGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 16 (RPI16)

5' CAAGCAGAAGACGGCATAACGAGATGGAACGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 17 (RPI17)

5' CAAGCAGAAGACGGCATAACGAGATCTCTACGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 18 (RPI18)

5' CAAGCAGAAGACGGCATAACGAGATGCGGACGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 19 (RPI19)

5' CAAGCAGAAGACGGCATAACGAGATTTTTCACGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 20 (RPI20)

5' CAAGCAGAAGACGGCATAACGAGATGGCCACGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 21 (RPI21)

5' CAAGCAGAAGACGGCATAACGAGATCGAAACGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 22 (RPI22)

5' CAAGCAGAAGACGGCATAACGAGATCGTACGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 23 (RPI23)

5' CAAGCAGAAGACGGCATAACGAGATCCTACTCGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 24 (RPI24)

5' CAAGCAGAAGACGGCATAACGAGATGCTACCGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 25 (RPI25)

5' CAAGCAGAAGACGGCATAACGAGATATCAGTGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 26 (RPI26)

5' CAAGCAGAAGACGGCATAACGAGATGCTCATGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 27 (RPI27)

5' CAAGCAGAAGACGGCATAACGAGATAGGAATGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 28 (RPI28)

5' CAAGCAGAAGACGGCATAACGAGATCTTTTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 29 (RPI29)

5' CAAGCAGAAGACGGCATAACGAGATTAGTTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 30 (RPI30)

5' CAAGCAGAAGACGGCATAACGAGATCCGGTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 31 (RPI31)

5' CAAGCAGAAGACGGCATAACGAGATATCGTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 32 (RPI32)

5' CAAGCAGAAGACGGCATAACGAGATTGAGTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 33 (RPI33)

5' CAAGCAGAAGACGGCATAACGAGATCGCCTGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 34 (RPI34)

5' CAAGCAGAAGACGGCATAACGAGATGCCATGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 35 (RPI35)

5' CAAGCAGAAGACGGCATAACGAGATAAAAATGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 36 (RPI36)

5' CAAGCAGAAGACGGCATAACGAGATTGTTGGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 37 (RPI37)

5' CAAGCAGAAGACGGCATAACGAGATATTCCGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 38 (RPI38)

5' CAAGCAGAAGACGGCATAACGAGATAGCTAGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 39 (RPI39)

5' CAAGCAGAAGACGGCATAACGAGATGTATAGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 40 (RPI40)

5' CAAGCAGAAGACGGCATAACGAGATTTCTGAGGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 41 (RPI41)

5' CAAGCAGAAGACGGCATAACGAGATGTCGTCTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 42 (RPI42)

5' CAAGCAGAAGACGGCATAACGAGATCGATTAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 43 (RPI43)

5' CAAGCAGAAGACGGCATAACGAGATGCTGTAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 44 (RPI44)

5' CAAGCAGAAGACGGCATAACGAGATATTATAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 45 (RPI45)

5' CAAGCAGAAGACGGCATAACGAGATGAATGAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 46 (RPI46)

5' CAAGCAGAAGACGGCATAACGAGATTCGGGAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 47 (RPI47)

5' CAAGCAGAAGACGGCATAACGAGATCTTCGAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

RNA PCR Primer, Index 48 (RPI48)

5' CAAGCAGAAGACGGCATAACGAGATTGCCGAGTGACTGGAGTTCCTTGGCACCCGAGAATTCCA

## TruSeq Targeted RNA Expression

### Index 1 (i7) Adapters

i7 Index Name	i7 Bases for Sample Sheet	i7 Index Name	i7 Bases for Sample Sheet
R701	ATCACG	R725	ACTGAT
R702	CGATGT	R726	ATGAGC
R703	TTAGGC	R727	ATTCTT
R704	TGACCA	R728	CAAAAG
R705	ACAGTG	R729	CAACTA
R706	GCCAAT	R730	CACCGG
R707	CAGATC	R731	CACGAT
R708	ACTTGA	R732	CACTCA
R709	GATCAG	R733	CAGGCG

<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>	<b>i7 Index Name</b>	<b>i7 Bases for Sample Sheet</b>
R710	TAGCTT	R734	CATGGC
R711	GGCTAC	R735	CATTTT
R712	CTTGTA	R736	CCAACA
R713	AGTCAA	R737	CGGAAT
R714	AGTTCC	R738	CTAGCT
R715	ATGTCA	R739	CTATAC
R716	CCGTCC	R740	CTCAGA
R717	GTAGAG	R741	GACGAC
R718	GTCCGC	R742	TAATCG
R719	GTGAAA	R743	TACAGC
R720	GTGGCC	R744	TATAAT
R721	GTTTCG	R745	TCATTC
R722	CGTACG	R746	TCCCGA
R723	GAGTGG	R747	TCGAAG
R724	GGTAGC	R748	TCGGCA

## Index 2 (i5) Adapter

<b>i5 Index Name</b>	<b>i5 Bases for Sample Sheet HiSeq 2000/2500 and MiSeq</b>	<b>i5 Bases for Sample Sheet NextSeq and HiSeq 3000/4000</b>
A501	TGAACCTT	AAGGTTCA
A502	TGCTAAGT	ACTTAGCA
A503	TGTTCTCT	AGAGAACA
A504	TAAGACAC	GTGTCTTA
A505	CTAATCGA	TCGATTAG
A506	CTAGAACA	TGTTCTAG
A507	TAAGTTCC	GGAACTTA
A508	TAGACCTA	TAGGTCTA

## Appendix

### Process Controls for TruSeq Kits

Included in TruSeq DNA PCR-Free, TruSeq Nano DNA, TruSeq RNA (v1/v2/LT/HT), and TruSeq Exome Kits

#### CTE2 - 150bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCTACGTTCCAAATGCAGCGAGCTCGTATAACCCTTT  
AAGAGTTGCTCTTTTTGTTTGGTAAGTTGCAAATCGAAGTTTTAGATTGAGTTCTACGTCGAGCGGCCGCGAT
```

#### CTE2 - 250bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCTTATCTGTCAAACCGCTAATGTCCGTTCTAAGAC  
CGTCTGGAGAACACTTGCCCATCAGTGCTTTTTGAACCTTTTTTTTACAGGTCCCTTCCGATTACACTGAGAAGCTGA  
CCACACCTGCTAGAAGATGGAGGTATGCAGCCCGTTAGTAGGAGTAATACTACCCAGCTTATAACCCTCAAACGTAG  
GGCAGATGGCGGCCGCGAT
```

#### CTE2 - 350bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCTAGAGACCATTTCGCGATTCCATGAGACTCCAAGGG  
TTCTGCACAACCTTATGCACCTCTATTAGATCATTGTGTTCTACGAAGCCTGGACTGCATTACATATTCACAACCAAC  
ATGAGAAGAGCGGAATAGATGGCCGGATGTTTGGTGGCTTTGATATATTGTGAGGAGCATTGCGAACCCCTAGAGCTG  
TCCGGTCAAATAACCCCTCACAATAAGTGTAAATGTCATGGGATAATCAAAGACTAAGGGAGGGCTTTTATAGAAG  
GCGTGAGGTTCATGCTATCCCCCTCTGAAGACGCGGCCGCGAT
```

#### CTE2 - 450bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCGTATACGTTTCTAATTTGTAGTTAACGGTTGGATA  
CCACTTTGAGGCATGTAATATGGTACTGAGCTTCGGCACAGGGCTCAAATTGCATCATTAAATGTCTCCGATGTGGC  
TATATGTCATGGATAAAGGCAGCCCCCTATATCTTTTTTTTGTGGCAGCATGGGTCCATCAAAGCAATTATTCAGGGT  
CTTAATGACCTCCACAGCTCTAAACGTAATTCATCTGGCTTTGCCTGTACTTACTTCCCTCCATGAAAAAAGTGTTG  
ATAATGCTCATAATGCTGCCAGCAATTTCCCTCCCTTCTCAAGACTATTCTGGCTTCCCTGGGTACTTAAAAACAGGG  
CTTAGAGTATGGCTGCTGACAAAATTGCACTCTAAACGCTAGCTTAGGTCTTCTGCGGCCGCGAT
```

#### CTE2 - 550bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCGTTAGCTATCGTTTCGCGAGAAAGTTAGTAGACACA  
CAGGACCCAGGCGTGCAAGTCAATTTTCAGCTGACTACACCGATTCTGGTTAAAAGAGCCTATGGCCACCCTTATTTT  
AGAGAAAAAAACCACACCTCTAATGTGTTGGGCACTAGAAAAAGCTAACTACCTAGTCCGTTTCTGGACGACTTCA  
TTGGGAATAACATACCCCCCACTGTGATTAAGACTGGCACTGTCCTAATGCTTTCTTCAATAGGTTTGGCTCATGTG  
TGATTCCCTCTGGCAAACCTTATAGAGGACAAGCAGAATAAACCAATTCAAGGTCTGTTGTAGCTGAAGGCCTGGCCTG  
CCTGACAGTTAATTATGAGCATGTCTTGCCCTTCATGGTGGATATTACAGCTGAAAGTGGTATTGGCATTTTTTTTC  
TGAGGACACAACGAGGAAATCTGATAAATACGGCCACCTGAAGTCTAGCTCGGAGTTAACAATTTACCACGTTTAGA  
GCGGCCGCGAT
```

#### CTE2 - 650bp

```
ATCCTGCAGATGCATCCAGTACTAGTATGGCCCGGGGATCCGCTCGCACTTAGCCTGTAAAGGGTTTCGCGCTCGT  
CTAGTCTGTGCTGTTGCCTGGATAGTAAATTATCATGGTACAAACTTTTAAAGAGCCAGTTAAATGGAGATGGATTTA  
AAAAGAGTTATTGTAAAGTCTCCCCAGGTGTGTCAATTAATATCCCAACAGATTGCCCTGGCCTGACCCCTAAATG  
CAATTTTGGGATTTCCCTTTTAGTTGCTTTTCAAAAATGTACCAGCGCAGTAAAAAAGCACAAAGTATATTGTTTA  
TGTAACCTCACTATCTCATTGCACTGGTTACATGGCAGCTTCAGACTGACTAAAACCTACACTTTTCCCACCATGGTT  
CAAAGATCAACAGAAGTGGGCCAACAAAAGCAATTTTTTTCATGTGGTCTAACTACCAACTTATTATGAGTTAAGTTA  
CTTTTAGGTTTAAAATCACAGCAGTTTTTCCCTCCACACCTCCCAGAGATACTTTTCCAGGGTGGCTAAACTTGGCTAA
```

AGGCTTCCGGACCAACCCTTGTTCCTTTATGGTGCTTGTGTCCTGACAACCGCGTAAGGCATGGAAATTCAGCTATT  
TATCCGATCGTTTATATGGGCGTGC GGCCGCGAT

#### CTE2 - 750bp

ATCCTGCAGATGCATCCAGTACTAGTATGGCCCCGGGGGATCCTTGGACCGTTAATTCATATATCGAAGTAGCAGGTT  
GTTGCCCCGCCTGATGTTGCCACTACTTGTCTCATGACAGTTTTTTTTAGGCAATGCAAACACTACTATTTGATATTTTTT  
TCCAAGTACAGTTGTAGGGTACTCCTTATACTGATTCTTCTGAGCCTGTACGGGGAGCATTAGGTACTGATGTAGTA  
GGAGTTGAGCTTCACAAATTCACCAGGTAAGCCCCAAATTTATTTTCTGCTTGGACAGGTCCACCTCACATGGGTCTG  
TCTAATATATTTAAAAGAGGGATTTTCTTTGCTGTATTGCAGCCCAGTATATCTGTTACTTACAGTAGTAGTCCATTA  
TTGCTGGCCTAGGGGCTTTTGTCTCTACACGAACACCCTCTGTAAAATTTGAGGTCGTCCTTAGAGTCAAACCATT  
CATGGAGCGCTCTGTGCATCTACCAACTATCGCTAAGCATTCACTTGGTTGGTTTAAAGTGGAGGCAACTCCATTATC  
TTCTAGCATAACCCTTCCCAGGCTACATGTAGAAAGAGATCTGTTGGGCCCCACTATTTTTTACCCAGGGAAGCCTA  
CTTTAGTTATAGCTTGGCAGAGATTTTCTGTGTATGTAGAAGTCATCCACTTTTAAACACCAGGAGGTGGATGTGGG  
GCCAGGAAATATGTCAATAACGATACGGGACTTCTAACAGTGACTCGCGGCCGCGAT

#### CTE2 - 850bp

ATCCTGCAGATGCATCCAGTACTAGTATGGCCCCGGGGGATCCTTAAAGTCGTGTCCTTCTCCTACGATCTTGTGAACG  
ATGGATATTTTTCTTTCTAAACTTTAAACAAACAGTGGAGAGATGTTGTTGTGTGGAACGACGCTTAGCCTACCGA  
GGAAGATCCAGACTACAATAGAATATGTGGCCAAAACCTCTCCGCAACTTCAGCAGCAAAAAGGATATTATTGACATA  
ACCTCCTCACAAAAGTACACAAATGGCTAAATAACAGAGCCCCTCTTTTTACTAGGGAAATGGTGGATGTGGACTT  
TAGAATTTAAGATAATAAAGCTCTTGATCCCAATGTTATTTCCATGTGAGGGACATTAATTTAGTAACCTTTGCCA  
CATAACCCTCTCCCAGAGTCCATTCTCTAAAACCTTGAAGCTCCGCCCTTTTTACGCACATTAGGCTTCCAATTACGG  
TCAATGGTCTTGAAGATTGGGAGCTTTTGAAGAGTAATAAGAACCATCACAAAAGGAACCCAGAAGCCGGGAGTGT  
CTACCAAAAAAATTCAGGGTTAAAAAAAAGTGACATTTTTCTCTGTTTTTTACACATGATTTTTGAATGCTGATGGG  
TCCACGTCCAGCTCTAAAGGTAGGTTTATGGTTCTCAAAGTTGCTTTCTTGTGAGAATTGAGCCACATCAGGTAGG  
TGGGGAAGTAGATCAGTGAGGATGCTTACATGTGTGGGCACTGGGAACAGAATGCTTCAATAACACGAGCTGACGA  
GGGCCCGCTATGAAAAAAAAGATTCTCTGTGCCCCCTGGCGCCTCCGCACTTAAAGAATTGATGACCGTGC GGCCG  
GAT

#### CTE1 - 123bp

GATCCTACGTTCCAAATGCAGCGAGCTCGTATAACCCTTTAAGAGTTGCTCTTTTTGTTTGGTAAGTTGCAAATCGA  
AGTTTTAGATTGAGTTCTACGTCGAGCGGCCGCGATATCCTGCAGATGCA

#### CTE1 - 223bp

GATCCTTATCTGTCAAACCGCTAATGTCCGTTCTAAGACCGTCTGGAGAACACTTGCCCATCAGTGCTTTTGAACC  
TTTTTTTTCACAGGTCCCTTCCGATTACACTGAGAAGCTGACCACACCTGCTAGAAGATGGAGGTATGCAGCCCGTTA  
GTAGGAGTAATACTACCCAGCTTATAACCCTCAAACGTAGGGCAGATGGCGGCCGCGATATCCTGCAGATGCA

#### CTE1 - 323bp

GATCCTAGAGACCATTTCGCGATTCCATGAGACTCCAAGGGTTCTGCACAACCTTATGCACCTCTATTAGATCATTGTG  
TTCTACGAAGCCTGGACTGCATTACATATTCACAACCAACATGAGAAGAGCGGAATAGATGGCCGGATGTTTGGTGG  
CTTTGATATATTGTGAGGAGCATTGCGAACCTTAGAGCTGTCCGGTCAAATAACCCCTCACATAAGTGTAAATGTC  
ATGGGATAATCAAAGACTAAGGGAGGGCTTTTATAGAAGGCGTGAGGTCATGCTATCCCCCTCTGAAGACGCGGCC  
GCGATATCCTGCAGATGCA

#### CTE1 - 423bp

GATCCGTATACGTTTCTAATTTGTAGTTAACGGTTGGATACCACTTTGAGGCATGTAATATGGTACTGAGCTTCGGC  
ACAGGGCTCAAATTCATCATTAAATGTCTCCGATGTGGCTATATGTCATGGATAAAGGCAGCCCCCTATATCTTTT  
TTTGTGGCAGCATGGGTCCATCAAAGCAATTATTCAGGGTCTTAATGACCTCCACAGCTCTAAACGTAATTCATCTG  
GCTTTGCCTGTACTTACTTCCCTCCATGAAAAAAGTGTGATAATGCTCATAATGCTGCCAGCAATTTCTCCCTT  
CTCAAGACTATTCTGGCTTCCCTGGGTACTTAAAAACAGGGCTTAGAGTATGGCTGCTGACAAAATTCAGCTCTAAAC  
GCTAGCTTAGGTCTTCTGCGGCCGCGATATCCTGCAGATGCA

## CTE1 - 523bp

GATCCGTTAGCTATCGTTCGCGAGAAAGTTAGTAGACACACAGGACCCAGGCGTGCAAGTCAATTTTCAGCTGACTAC  
ACCGATTCTGGTTAAAAGAGCCTATGGCCACCCTTATTTTAGAGAAAAAAACCACACCTCTAATGTGTTGGGCACT  
AGAAAAAGCTAACTACCTAGTCCGTTTCTGGACGACTTCATTGGGAATAACATACCCCCACTGTGATTAAGACTGG  
CACTGTCCCTAATGCTTTCTTCAATAGGTTTGGCTCATGTGTGATTCCCTCTGGCAAACCTTATAGAGGACAAGCAGAA  
TAAACCAATTCAAGGTCGTTGTAGCTGAAGGCCTGGCCTGCCTGACAGTTAATTATGAGCATGTCTTGCCCTTCATG  
GTGGATATTCACAGCTGAAAGTGGTATTGGCATTTTTTTCTGAGGACACAACGAGGAAATCTGATAAATACGGCCAC  
CTGAAGTCTAGCTCGGAGTTAACAATTTACCACGTTTAGAGCGGCCGCGATATCCTGCAGATGCA

## CTE1 - 623bp

GATCCGCTCGCACTTAGCCTGTAAAGGGTTCGCGCTCGTCTAGTCTGTGCTGTTGCCTGGATAGTAAATTATCATG  
GTACAAACTTTTTAAGAGCCAGTTAAATGGAGATGGATTTAAAAAGAGTTATTGTAAAGTCTCCCCAGGTGTGTCATT  
AAATATCCCAACAGATTGCCCTGGCCTGACCCCTAAATGCAATTTTGGGATTCCCTTTTAGTTGCTTTTCATTA  
TGTACCAGCGCAGTAAAAAAGCACAAAGTATATTGTTTATGTAACCTACTATCTCATTTGCACTGGTTACATGGCA  
GCTTCAGACTGACTAAAACCTACTTTTTCCACCATTGGTTCAAAGATCAACAGAAGTGGGCCAACAAAAGCAATTTT  
TTCATGTGGTCTAACTACCAACTTATTATGAGTTAAGTTACTTTTAGGTTTAAAATCACAGCAGTTTTTCCCTCCAC  
ACCTCCCAGAGATACTTTTCAGGGTGGCTAAACTTGGCTAAAGGCTTCCGGACCAACCCTTGTTCCTTTATGGTGTCTT  
GTGTCCTGACAACCGCGTAAGGCATGGAAATTCAGCTATTTATCCGATCGTTTATATGGGCGTGCAGCCGCGATATC  
CTGCAGATGCA

## CTE1 - 723bp

GATCCTTGGACCGTTAATTCATATATCGAAGTAGCAGGTTGTTGCCCGCCTGATGTTGCCACTACTTGCTCATGAC  
AGTTTTTTTAGGCAATGCAAACCTACTATTTGATATTTTTTCCAAGTACAGTTGTAGGGTACTCCTTATACTGATTC  
TTCTGAGCCTGTACGGGGAGCATTAGGTACTGATGTAGTAGGAGTTGAGCTTCACAAATTCACCAGGTAAGCCCAAA  
TTTTTTTTCTGCTTGGACAGGTCCACCTCACATGGGTCTGTCTAATATATTTAAAAGAGGGATTTTCTTTGCTGTATT  
GCAGCCAGTATATCTGTTACTTACAGTAGTAGTCCATTATTGCTGGCCTAGGGGCTTTTGTCTCTACACGAACACC  
ACTCTGTAATAATTTGAGGTCGTCCTTAGAGTCAAACCTTTCATGGAGCGCTCTGTGCATCTACCAACTATCGCTAAG  
CATTCACTTGGTTGGTTTAAAGTGGAGGCAACTCCATTATCTTCTAGCATAACCCTTCCCAGGCTACATGTAGAAAGAG  
ATCTGTTGGGCCCCACTATTTTTTACCCAGGGAAGCCTACTTTAGTTATAGCTTGCCAGAGATTTTCTGTGTCTATG  
TAGAAGTCATCCACTTTTAAACACCAGGAGGTGGATGTGGGGCCAGGAAATATGTCAATAACGATACGGGACTTCTAA  
CAGTGACTCGCGGCCGCGATATCCTGCAGATGCA

## CTE1 - 823bp

GATCCTTAAGTTCGTGTCCTTCTCCTACGATCTTGTGAACGATGGATATTTTCTTTCTAAACTTTAAACAAACAGTGG  
AGAGATGTTGTTGTGTGTGGAACGACGCTTAGCCTACCGAGGAAGATCCAGACTACAATAGAATATGTGGCCAAAAC  
TCTCCGCAACTTCAGCAGCAAAAAGGATATTATTGACATAACCTCCTCACAAAAAGTACACAAATGGCTAAATAACA  
GAGCCCCTCTTTTTACTAGGGAAATGGTGGATGTGGACTTTAGAATTTAAGATAATAAAGCTCTTGATCCCAATGTT  
ATTTCCATGTGAGGGACATTAATTTGAGTAACCTTTGCCACATAACCCTCTCCCAGAGTCCATTCTCTAAAACCTTGAA  
GCTCCGCCCTTTTTACGCACATTAGGCTTCCAATTACGGTCAATGGTCTTGAAGATTGGGAGCTTTTGAAGAGTAA  
TAAGAACCATCACAAAAGGAACCCAGAAGCCGGGAGTGTCTACCAAAAAAATTCAGGGTTAAAAAAGTGCAT  
TTTCTCCTGTTTTTACACATGATTTTGAATGCTGATGGGTCCACGTCCAGCTCTAAAGGTAGGTTTCATGGTTCTCC  
AAAGTTGCTTTCTTGTGAGAATTGAGCCACATCAGGTAGGTGGGGAAGTAGATCAGTGAGGATGCTTCACATGTGTG  
GGCACTGGGAACAGAATGCTTCAATAACACGAGCTGACGAGGGCCCGCTATGAAAAAAGATTCTCTGTGCCCCCT  
GGCGCCTCCGCACTTAAAGAATTGATGACCGTGCAGCCGCGATATCCTGCAGATGCA

## CTA - 150bp

GGGGGATCCTACGTTCCAAATGCAGCGAGCTCGTATAACCCTTTAAGAGTTGCTCTTTTTGTTTGGTAAGTTGCAAA  
TCGAAGTTTTAGATTGAGTTCTACGTCGAGCGGCCGCGATATCCTGCAGATGCATCCAGTACTAGTATGGCCC

## CTA - 250bp

GGGGGATCCTTATCTGTCAAAACCGCTAATGTCCGTTCTAAGACCGTCTGGAGAACACTTGCCCATCAGTGCTTTTG  
AACCTTTTTTTTACAGGTCCTTCCGATTACACTGAGAAGCTGACCACACCTGCTAGAAGATGGAGGTATGCAGCCC

GTTAGTAGGAGTAATACTACCCAGCTTATAACCCTCAAACGTAGGGCAGATGGCGGCCGCGATATCCTGCAGATGCA  
TCCAGTACTAGTATGGCCC

#### CTA - 350bp

GGGGGATCCTAGAGACCATTTCGCGATTCCATGAGACTCCAAGGGTTCTGCACAACCTTATGCACCTCTATTAGATCAT  
TGTGTTCTACGAAGCCTGGACTGCATTACATATTACAACCAACATGAGAAGAGCGGAATAGATGGCCGGATGTTTG  
GTGGCTTTGATATATTGTGAGGAGCATTGCGAACCTAGAGCTGTCCGGTCAAATAACCCCTCACAATAAGTGTA  
TGTCATGGGATAATCAAAGACTAAGGGAGGGCTTTTATAGAAGGCGTGAGGTCATGCTATCCCCCTCTGAAGACGC  
GGCCGCGATATCCTGCAGATGCATCCAGTACTAGTATGGCCC

#### CTA - 450bp

GGGGGATCCGTATACGTTTCTAATTTGTAGTTAACGGTTGGATACCCTTTGAGGCATGTAATATGGTACTGAGCTT  
CGGCACAGGGCTCAAATTGCATCATTAAATGTCTCCGATGTGGCTATATGTCATGGATAAAGGCAGCCCCCTATATC  
TTTTTTTGTGGCAGCATGGGTCCATCAAAGCAATTATTTCAGGGTCTTAATGACCTCCACAGCTCTAAACGTAATTCA  
TCTGGCTTTGCTGACTTACTTCCCTCCATGAAAAAAGTGTGATAATGCTCATAATGCTGCCAGCAATTTCCCTC  
CCTTCTCAAGACTATTCTGGCTTCCCTGGGTACTTAAAAACAGGGCTTAGAGTATGGCTGCTGACAAAATTGCACTCT  
AAACGCTAGCTTAGGTCTTCTGCGGCCGCGATATCCTGCAGATGCATCCAGTACTAGTATGGCCC

#### CTA - 550bp

GGGGGATCCGTTAGCTATCGTTCGCGAGAAAGTTAGTAGACACACAGGACCCAGGCGTGCAAGTCAATTTAGCTGA  
CTACACCGATTCTGGTTAAAAGAGCCTATGGCCACCCTTATTTTAGAGAAAAAAACCACACCTCTAATGTGTTGGG  
CACTAGAAAAAGCTAACTACCTAGTCCGTTTCTGGACGACTTCATTGGGAATAACATACCCCCCACTGTGATTAAGA  
CTGGCACTGTCTAATGCTTTCTTCAATAGGTTTGGCTCATGTGTGATTCCCTCTGGCAAACCTTATAGAGGACAAGC  
AGAATAAACCAATTCAAGGTCGTTGTAGCTGAAGGCCTGGCCTGCCTGACAGTTAATTATGAGCATGTCTTGCCCTT  
CATGGTGGATATTCACAGCTGAAAGTGGTATTGGCATTTTTTTCTGAGGACACAACGAGGAAATCTGATAAATACGG  
CCACCTGAAGTCTAGCTCGGAGTTAAACAATTTACCACGTTTAGAGCGGCCGCGATATCCTGCAGATGCATCCAGTAC  
TAGTATGGCCC

#### CTA - 650bp

GGGGGATCCGCTCGCACTTAGCCTGTTAAGGGGTTTCGCGCTCGTCTAGTCTGTGCTGTTGCCTGGATAGTAAATTAT  
CATGGTACAACTTTTAAAGAGCCAGTTAAATGGAGATGGATTTAAAAGAGTTATTGTAAAGTCTCCCCAGGTGTGT  
CATTAAATATCCCAACAGATTGCCCTGGCCTGACCCCTAAATGCAATTTGGGATTCCCTTTTAGTTGCTTTCATT  
AAAATGTACCAGCGCAGTAAAAAAGCACAAAGTATATTGTTTATGTAACCTACTATCTCATTGCACTGGTTACAT  
GGCAGCTTCAGACTGACTAAAACCTACTTTTCCCACCATGGTTCAAAGATCAACAGAAGTGGGCCAACAAAAGCAA  
TTTTTTTATGTGGTCTAACTACCAACTTATTATGAGTTAAGTTACTTTTAGGTTTAAAATCACAGCAGTTTTTCCCT  
CCACACCTCCAGAGATACTTTTCAGGGTGGCTAAACTTGGCTAAAGGCTTCCGGACCAACCCTTGTTTCTTTATGGT  
GCTTGTGCTGACAACCGCGTAAGGCATGGAAATTCAGCTATTTATCCGATCGTTTATATGGGCGTGCGGCCGCGA  
TATCCTGCAGATGCATCCAGTACTAGTATGGCCC

#### CTA - 750bp

GGGGGATCCTTGGACCGTTAATTCATATATCGAAGTAGCAGGTTGTTGCCCGCCTGATGTTGCCACTACTTGCTCA  
TGACAGTTTTTTTAGGCAATGCAAACCTACTATTTGATATTTTTTCCAAGTACAGTTGTAGGGTACTCCTTATACTG  
ATTCTTCTGAGCCTGTACGGGAGCATTAGGTACTGATGTAGTAGGAGTTGAGCTTCACAAATTCACCAGGTAAGCC  
CAAATTTATTTTCTGCTTGGACAGGTCCACCTCACATGGGTCTGTCTAATATATTTAAAAGAGGGATTTTCTTTGCTG  
TATTGCAGCCCAGTATATCTGTTACTTACAGTAGTAGTCCATTATTGCTGGCCTAGGGGCTTTTGTCTCTACACGAA  
CACCCTCTGTAATAATTTGAGGTGCTCCTTAGAGTCAAACCATTTCATGGAGCGCTCTGTGCATCTACCAACTATCGC  
TAAGCATTCACTTGGTTGGTTTAAAGTGGAGGCAACTCCATTATCTTCTAGCATAACCCTTCCCAGGCTACATGTAGAA  
AGAGATCTGTTGGGCCCACTATTTTTTACCCAGGGAAGCCTACTTTAGTTATAGCTTGCCAGAGATTTTCTGTGT  
CATGTAGAAGTCATCCACTTTTTAACACCAGGAGGTGGATGTGGGGCCAGGAAATATGTCAATAACGATACGGGACTT  
CTAACAGTGACTCGCGGCCGCGATATCCTGCAGATGCATCCAGTACTAGTATGGCCC

## CTA - 850bp

GGGGGATCCTTAAGTCGTGTCCTTCTCCTACGATCTTGTGAACGATGGATATTTTCTTTCTAAACTTTAAACAAACA  
GTGGAGAGATGTTGTTGTGTGTGGAACGACGCTTAGCCTACCGAGGAAGATCCAGACTACAATAGAATATGTGGCCA  
AAACTCTCCGCAACTTCAGCAGCAAAAAGGATATTATTGACATAACCTCCTCACAAAAAGTACACAAATGGCTAAAT  
AACAGAGCCCCTCTTTTTACTAGGGAAATGGTGGATGTGGACTTTAGAATTTAAGATAATAAAGCTCTTGATCCCAA  
TGTTATTTCCATGTGAGGGACATTAATAATTGAGTAACCTTTGCCACATACCCTCTCCCAGAGTCCATTCTCTAAACT  
TGAAGCTCCGCCCCTTTTTACGCACATTAGGCTTCCAATTACGGTCAATGGTCTTGAAGATTGGGAGCTTTTTGAAGA  
GTAATAAGAACCATCACAAAAAGGAACCCAGAAGCCGGGAGTGTCTACCAAAAAAATTCAAGGGTTAAAAAAAAGTG  
ACATTTTCTCCTGTTTTTTACACATGATTTTGAATGCTGATGGGTCCACGTCCAGCTCTAAAGGTAGGTTTCATGGTT  
CTCCAAAGTTGCTTTCTTGTGAGAATTGAGCCACATCAGGTAGGTGGGGAAGTAGATCAGTGAGGATGCTTCACATG  
TGTGGGCACTGGGAACAGAATGCTTCAATAACACGAGCTGACGAGGGCCCGCTATGAAAAAAAAGATTCTCTGTGCC  
CCCTGGCGCCTCCGCACCTAAAGAATTGATGACCGTGC GGCCGCGATATCCTGCAGATGCATCCAGTACTAGTATGG  
CCC

## CTL - 150bp

AGTATGGCCCCGGGGGATCCTACGTTCCAAATGCAGCGAGCTCGTATAACCCTTTAAGAGTTGCTCTTTTTGTTTGGT  
AAGTTGCAATCGAAGTTTTAGATTGAGTTCTACGTCGAGCGGCCGCGATATCCTGCAGATGCATCCAGTACA

## CTL - 250bp

AGTATGGCCCCGGGGGATCCTTATCTGTCAAAACCGCTAATGTCCGTTCTAAGACCGTCTGGAGAACACTTGCCCATC  
AGTGCTTTTGAACCTTTTTTTTACAGGTCCCTTCCGATTACACTGAGAAGCTGACCACACCTGCTAGAAGATGGAGG  
TATGCAGCCCCTTAGTAGGAGTAATACTACCCAGCTTATAACCCTCAAACGTAGGGCAGATGGCGGCCGCGATATCC  
TGCAGATGCATCCAGTACA

## CTL - 350bp

AGTATGGCCCCGGGGGATCCTAGAGACCATTTCGCGATTCCATGAGACTCCAAGGGTTCTGCACAACCTTATGCACCTCT  
ATTAGATCATTGTGTTCTACGAAGCCTGGACTGCATTACATATTACAACCAACATGAGAAGAGCGGAATAGATGGC  
CGGATGTTTGGTGGCTTTGATATATTGTGAGGAGCATTGCGAACCCTAGAGCTGTCCGGTCAAATAACCCCTCACA  
ATAAGTGTAATGTCATGGGATAATCAAAAGACTAAGGGAGGGCTTTTTATAGAAGGCGTGAGGTCATGCTATCCCCCT  
CTGAAGACGCGGCCGCGATATCCTGCAGATGCATCCAGTACA

## CTL - 450bp

AGTATGGCCCCGGGGGATCCGTATACGTTTCTAATTTGTAGTTAACGGTTGGATACCACTTTGAGGCATGTAATATGG  
TACTGAGCTTCGGCACAGGGCTCAAATTCATCATTAAATGTCTCCGATGTGGCTATATGTCATGGATAAAGGCAGC  
CCCCTATATCTTTTTTTGTGGCAGCATGGGTCCATCAAAGCAATTATTTCAGGGTCTTAATGACCTCCACAGCTCTAA  
ACGTAATTCATCTGGCTTTGCCTGTACTTACTTCCCTCCATGAAAAAAGTGTGATAATGCTCATAATGCTGCCAG  
CAATTTCTCCCTTCTCAAGACTATTCTGGCTTCTGGGTACTTAAAAACAGGGCTTAGAGTATGGCTGCTGACAAA  
ATTGCACTCTAAACGCTAGCTTAGGTCTTCTGCGGCCGCGATATCCTGCAGATGCATCCAGTACA

## CTL - 550bp

AGTATGGCCCCGGGGGATCCGTTAGCTATCGTTTCGCGAGAAAGTTAGTAGACACACAGGACCCAGGCGTGCAAGTCAA  
TTTCAGCTGACTACACCGATTCTGGTTAAAAGAGCCTATGGCCACCCTTATTTTAGAGAAAAAAAACCACACCTCTA  
ATGTGTTGGGCACTAGAAAAAGCTAACTACCTAGTCCGTTTCTGGACGACTTCATTGGGAATAACATACCCCCCACT  
GTGATTAAGACTGGCACTGTCCTAATGCTTTCTTCAATAGGTTTGGCTCATGTGTGATTCCCTCTGGCAAACCTTATA  
GAGGACAAGCAGAATAAACCAATTCAAGGTCGTTGTAGCTGAAGGCCTGGCCTGCCTGACAGTTAATTATGAGCATG  
TCTTGCCCTTCATGGTGGATATTCACAGCTGAAAGTGGTATTGGCATTTTTTTTCTGAGGACACAACGAGGAAATCTG  
ATAAATACGGCCACCTGAAGTCTAGCTCGGAGTTAAACAATTTACCACGTTTAGAGCGGCCGCGATATCCTGCAGATG  
CATCCAGTACA

## CTL - 650bp

AGTATGGCCCCGGGGGATCCGCTCGCACTTAGCCTGTTAAGGGGTTTCGCGCTCGTCTAGTCTGTGCTGTTGCCTGGAT  
AGTAAATTATCATGGTACAACTTTTTAAGAGCCAGTTAAATGGAGATGGATTTAAAAAGAGTTATTGTAAAGTCTCC  
CCAGGTGTGTCATTAATATCCCAACAGATTGCCCTGGCCTGACCCCTAAATGCAATTTTGGGATTCCCTTTTAGT

TGCTTTTCATTAATAATGTACCAGCGCAGTAAAAAAGCACAAAGTATATTGTTTATGTAACCTACTATCTCATTGCA  
CTGGTTACATGGCAGCTTCAGACTGACTAAAACCTACTTTTCCCACCATGGTTCAAAGATCAACAGAAGCTGGGCCA  
ACAAAAGCAATTTTTTTCATGTGGTCTAACTACCAACTTATTATGAGTTAAGTTACTTTTAGGTTTAAAATCACAGCA  
GTTTTTCCCTCCACACCTCCAGAGATACTTTTCAGGGTGGCTAAACTTTGGCTAAAGGCTTCCGGACCAACCCTTGTT  
TCTTTATGGTGCTTGTGTCTGACAACCGCGTAAGGCATGGAAATTCAGCTATTTATCCGATCGTTTATATGGGCGT  
GCGGCCGCGATATCCTGCAGATGCATCCAGTACA

#### CTL - 750bp

AGTATGGCCCCGGGGATCCTTGGACCGTTAATTCATATATCGAAGTAGCAGGTTGTTGCCCGCCTGATGTTGCCAC  
TACTTGCTCATGACAGTTTTTTTTTAGGCAATGCAAACCTACTATTTGATATTTTTTTCCAAGTACAGTTGTAGGGTACT  
CCTTATACTGATTCTTCTGAGCCTGTACGGGGAGCATTAGGTACTGATGTAGTAGGAGTTGAGCTTCACAAATTCAC  
CAGGTAAGCCCAAATTTATTTTCTGCTTGGACAGGTCCACCTCACATGGGTCTGTCTAATATATTAAGAGGGGATTT  
TTCTTTGCTGTATTGCAGCCAGTATATCTGTTACTTACAGTAGTAGTCCATTATTGCTGGCCTAGGGGCTTTTGCT  
CCTACACGAACACCCTCTGTAAAATTTGAGGTCGTCTTAGAGTCAAACCATTATGAGGCGCTCTGTGCATCTAC  
CAACTATCGCTAAGCATTCACTTGGTTGGTTTTAAGTGGAGGCAACTCCATTATCTTCTAGCATACCCTTCCCAGGCT  
ACATGTAGAAAGAGATCTGTTGGGCCCCACTATTTTTTACCCAGGGAAGCCTACTTTAGTTATAGCTTGCCAGAGA  
TTTTCTGTGTATGTAGAAGTCATCCACTTTTAAACCAGGAGGTGGATGTGGGGCCAGGAAATATGTCAATAACGA  
TACGGGACTTCTAACAGTGACTCGCGGCCGCGATATCCTGCAGATGCATCCAGTACA

#### CTL - 850bp

AGTATGGCCCCGGGGATCCTTAAAGTCGTGTCTTCTCCTACGATCTTGTGAACGATGGATATTTTCTTTTC  
TAAACTTTAAACAAAACAGTGGAGAGATGTTGTTGTGTGTGGAACGACGCTTAGCCTACCGAGGAAGATCC  
AGACTACAATAGAATATGTGGCCAAAACCTCTCCGCAACTTCAGCAGCAAAAAGGATATTATTGACATAAC  
CTCCTCACAAAAGTACACAAATGGCTAAATAACAGAGCCCTCTTTTTACTAGGGAAATGGTGGATGTG  
GACTTTAGAATTTAAGATAATAAGCTCTTGATCCCAATGTTATTTCCATGTGAGGGACATTAATTTGAG  
TAACCTTTGCCACATACCCTCTCCAGAGTCCATTCTCTAAAACCTGAAGCTCCGCCCTTTTTTACGCAC  
ATTAGGCTTCCAATTACGGTCAATGGTCTTGAAGATTGGGAGCTTTTGAAGAGTAATAAGAACCATCACA  
AAAAGGAACCCAGAAGCCGGGAGTGTCTACCAAAAAAATTCAAGGTTAAAAAAAAGTGACATTTTCTCC  
TGTTTTTTACACATGATTTTGAATGCTGATGGGTCCACGTCCAGCTCTAAAGGTAGGTTTCATGGTTCTCC  
AAAGTTGCTTTCTTGTGAGAATTGAGCCACATCAGGTAGGTGGGGAAGTAGATCAGTGAGGATGCTTCAC  
ATGTGTGGGCACTGGGAACAGAATGCTTCAATAACACGAGCTGACGAGGGCCCGCTATGAAAAAAAAGAT  
TCTCTGTGCCCCCTGGCGCCTCCGCACTTAAAGAATTGATGACCGTGCGGCCGCGATATCCTGCAGATGC  
ATCCAGTACA

## Legacy Kits

The kits listed in this section are no longer sold.

### Nextera DNA Sample Prep Kit (Epicentre Biotechnologies)

(Obsolete)

As a replacement, use catalog # FC-121-1031.

#### Transposon Sequences

5' -GCCTCCCTCGCGCCATCAGAGATGTGTATAAGAGACAG

5' -GCCTTGCCAGCCCGCTCAGAGATGTGTATAAGAGACAG

#### Adapters (showing optional bar code)

5' -AATGATACGGCGACCACCGAGATCTACACGCCTCCCTCGCGCCATCAG

5' -CAAGCAGAAGACGGCATAACGAGAT [**barcode**] CGGTCTGCCTTGCCAGCCCGCTCAG-3'

#### PCR Primers

5' -AATGATACGGCGACCACCGA

5' -CAAGCAGAAGACGGCATAACGA

### Oligonucleotide Sequences for Genomic DNA

(Obsolete)

#### Adapters

5' P-GATCGGAAGAGCTCGTATGCCGTCTTCTGCTTG

5' AACTCTTTCCCTACACGACGCTCTTCCGATCT

#### PCR Primers

5' AATGATACGGCGACCACCGAGATCTAACTCTTTCCCTACACGACGCTCTTCCGATCT

5' CAAGCAGAAGACGGCATAACGAGCTCTTCCGATCT

#### Genomic DNA Sequencing Primer

5' AACTCTTTCCCTACACGACGCTCTTCCGATCT

## Oligonucleotide Sequences for Paired End DNA

(Obsolete)

### PE Adapters

5' P-GATCGGAAGAGCGGTTTCAGCAGGAATGCCGAG

5' ACACTCTTTCCCTACACGACGCTCTTCCGATCT

### PE PCR Primer 1.0

5' AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT

### PE PCR Primer 2.0

5' CAAGCAGAAGACGGCATAACGAGATCGGTCTCGGCATTCCTGCTGAACCGCTCTTCCGATCT

### PE Read 1 Sequencing Primer

5' ACACTCTTTCCCTACACGACGCTCTTCCGATCT

### PE Read 2 Sequencing Primer

5' CGGTCTCGGCATTCCTGCTGAACCGCTCTTCCGATCT

## Oligonucleotide Sequences for the Multiplexing Sample Prep Oligo Only Kit

(Obsolete)

### Multiplexing Adapters

5' P-GATCGGAAGAGCACACGTCT

5' ACACTCTTTCCCTACACGACGCTCTTCCGATCT

### Multiplexing PCR Primer 1.0

5' AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT

### Multiplexing PCR Primer 2.0

5' GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT

### Multiplexing Read 1 Sequencing Primer

5' ACACTCTTTCCCTACACGACGCTCTTCCGATCT

### Multiplexing Index Read Sequencing Primer

5' GATCGGAAGAGCACACGTCTGAACTCCAGTCAC

### Multiplexing Read 2 Sequencing Primer

5' GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT

### PCR Primer Index Sequences 1–12

PCR Primer, Index 1

5' CAAGCAGAAGACGGCATAACGAGATCGTGATGTGACTGGAGTTC

PCR Primer, Index 2

5' CAAGCAGAAGACGGCATAACGAGATACATCGGTGACTGGAGTTC

PCR Primer, Index 3

5' CAAGCAGAAGACGGCATAACGAGATGCCTAAGTGACTGGAGTTC

PCR Primer, Index 4

5' CAAGCAGAAGACGGCATAACGAGATTGGTCAGTGACTGGAGTTC

PCR Primer, Index 5

5' CAAGCAGAAGACGGCATAACGAGATCACTGTGTGACTGGAGTTC

PCR Primer, Index 6

5' CAAGCAGAAGACGGCATAACGAGATATTGGCGTGACTGGAGTTC

PCR Primer, Index 7

5' CAAGCAGAAGACGGCATAACGAGATGATCTGGTGACTGGAGTTC

PCR Primer, Index 8

5' CAAGCAGAAGACGGCATAACGAGATTCAAGTGTGACTGGAGTTC

PCR Primer, Index 9

5' CAAGCAGAAGACGGCATAACGAGATCTGATCGTGACTGGAGTTC

PCR Primer, Index 10

5' CAAGCAGAAGACGGCATAACGAGATAAGCTAGTGACTGGAGTTC

PCR Primer, Index 11

5' CAAGCAGAAGACGGCATAACGAGATGTAGCCGTGACTGGAGTTC

PCR Primer, Index 12

5' CAAGCAGAAGACGGCATAACGAGATTACAAGGTGACTGGAGTTC

### Oligonucleotide Sequences for the v1 and v1.5 Small RNA Kits

(Obsolete)

RT Primer

5' CAAGCAGAAGACGGCATAACGA

5' RNA Adapter

5' GUUCAGAGUUCUACAGUCCGACGAUC

3' RNA Adapter

5' P-UCGUAUGCCGUCUUCUGCUUGUIdT

v1.5 Small RNA 3' Adapter

5' /5rApp/ATCTCGTATGCCGTCTTCTGCTTG/3ddC/

Small RNA PCR Primer 1

5' CAAGCAGAAGACGGCATAACGA

Small RNA PCR Primer 2

5' AATGATACGGCGACCACCGACAGGTTTCAGAGTTCTACAGTCCGA

Small RNA Sequencing Primer

5' CGACAGGTTTCAGAGTTCTACAGTCCGACGATC

## Revision History

Document	Date	Description of Change
Document # 1000000002694 v00	October 2015	<p>Added information for the following TruSight kits: TruSight Cardio, TruSight Myeloid Sequencing Panel, TruSight One, TruSight Rapid Capture, TruSight Tumor 15, and TruSight Tumor 26.</p> <p>Grouped TruSeq Amplicon Kits section for TruSeq Custom Amplicon 1.5, TruSeq Amplicon Cancer Panel, and TruSeq Custom Amplicon Low Input.</p> <p>Marked obsolete kits as <b>obsolete</b>.</p> <p>Grouped legacy kit information in new section titled Legacy Kits.</p> <p>Reformatted and reorganized the contents, and assigned document # 1000000002694.</p>

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