

Zymo-Seq™ UDI Primer Plates (10-bp)

Highlights

- Pre-mixed, high performance Unique Dual Index (UDI) primers now in a 10-bp format for enhanced multiplexing capability.
- Ideal for all NGS libraries containing TruSeq® adapters.
- Compatible with Illumina® sequencing platforms.

Catalog Numbers:
D3097, D3098



Scan with your smart-phone camera to
view the online protocol/video.



tech@zymoresearch.com



www.zymoresearch.com



Toll Free: (888) 882-9682

Table of Contents

Applicable Products	01
Product Description.....	02
Instruction For Use	03
Plate Layouts.....	04
Unique Dual Index Primer Sequences	05
Appendix	09
Ordering Information	10
Complete Your Workflow.....	11
Notes.....	12
Guarantee	13

Applicable Products

Product Name	Catalog Number	Format	Volume Per Well	Storage Temperature
Zymo-Seq™ UDI Primer Plate (Indexes 1-96, 10-bp) ¹	D3097	Single-Use 96-well Plate	10 µL / Index	-80 °C
Zymo-Seq™ UDI Primer Plate (Indexes 97-192, 10-bp) ¹	D3098	Single-Use 96-well Plate	10 µL / Index	-80 °C

¹ The D3097 and D3098 plates are sold separately. This protocol is applicable to both plates.

Product Description

Indexes in the **Zymo-Seq™ UDI Primer Plates (10-bp)** are dispensed in single-use, foil-sealed 96-well plates (Indexes 1-96, 10-bp, Cat. No. D3097) (Indexes 97-192, 10-bp, Cat. No. D3098). Indexes come pre-mixed, and the forward and reverse primers are provided at 5 μ M total concentration (2.5 μ M each).

Using both D3097 and D3098 plates, up to 192 libraries can be multiplexed together. These indexes can be used to barcode any library containing TruSeq® adapters and are compatible with the **Zymo-Seq RiboFree® Total RNA Library Kit** (Cat. No. R3000/R3003), the **Zymo-Seq SwitchFree™ 3' mRNA Library Kit** (Cat. No. R3008/R3009) and the **Zymo-Seq™ RRBS Library Kit** (Cat. No. D5460/D5461). Zymo-Seq™ index primers generate sequencing libraries that are compatible with all Illumina® sequencing platforms.

The complete [index sample sheet](#) (Pages 5-8) is available for download [here](#) (USA Only), or by visiting the Documents section of the D3097 and D3098 product pages at www.zymoresearch.com.

Instruction for Use

When using the **Zymo-Seq™ UDI Primer Plates (10-bp)** with a Zymo-Seq RiboFree® Total RNA Library Kit (Cat. No. R3000/R3003), Zymo-Seq SwitchFree™ 3' mRNA Library Kit (Cat. No. R3008/R3009), or Zymo-Seq™ RRBS Library Kit (Cat. No. D5460/D5461), please refer to the kit's instruction manual on the appropriate volume of the UDI primers to use.

Please note that additional considerations are needed to multiplex libraries indexed with these primers and the similar Zymo-Seq UDI Primer Set (D3008) and Zymo-Seq UDI Primer Plate (D3096). Please see the **Appendix** for details. For further questions regarding this or compatibility with other library preparation kits, please contact Zymo Research Technical Support at tech@zymoresearch.com.

Plate Layouts

Each library must use only **ONE** UDI from the plate below. For example, the library for Sample A can use UDI_001, the library for Sample B can use UDI_002 and so on. As long as each library has a distinct UDI, it can be pooled together for sequencing.

Please note the UDIs are ordered sequentially down the plate columns, and **NOT** across rows. In common practice, indexes are used sequentially down columns and not across rows, which maximizes color balance and minimizes accidental mislabeling. We recommend following this practice whenever possible.

D3097:

	1	2	3	4	5	6	7	8	9	10	11	12
A	UDI_001	UDI_009	UDI_017	UDI_025	UDI_033	UDI_041	UDI_049	UDI_057	UDI_065	UDI_073	UDI_081	UDI_089
B	UDI_002	UDI_010	UDI_018	UDI_026	UDI_034	UDI_042	UDI_050	UDI_058	UDI_066	UDI_074	UDI_082	UDI_090
C	UDI_003	UDI_011	UDI_019	UDI_027	UDI_035	UDI_043	UDI_051	UDI_059	UDI_067	UDI_075	UDI_083	UDI_091
D	UDI_004	UDI_012	UDI_020	UDI_028	UDI_036	UDI_044	UDI_052	UDI_060	UDI_068	UDI_076	UDI_084	UDI_092
E	UDI_005	UDI_013	UDI_021	UDI_029	UDI_037	UDI_045	UDI_053	UDI_061	UDI_069	UDI_077	UDI_085	UDI_093
F	UDI_006	UDI_014	UDI_022	UDI_030	UDI_038	UDI_046	UDI_054	UDI_062	UDI_070	UDI_078	UDI_086	UDI_094
G	UDI_007	UDI_015	UDI_023	UDI_031	UDI_039	UDI_047	UDI_055	UDI_063	UDI_071	UDI_079	UDI_087	UDI_095
H	UDI_008	UDI_016	UDI_024	UDI_032	UDI_040	UDI_048	UDI_056	UDI_064	UDI_072	UDI_080	UDI_088	UDI_096

D3098:

	1	2	3	4	5	6	7	8	9	10	11	12
A	UDI_097	UDI_105	UDI_113	UDI_121	UDI_129	UDI_137	UDI_145	UDI_153	UDI_161	UDI_169	UDI_177	UDI_185
B	UDI_098	UDI_106	UDI_114	UDI_122	UDI_130	UDI_138	UDI_146	UDI_154	UDI_162	UDI_170	UDI_178	UDI_186
C	UDI_099	UDI_107	UDI_115	UDI_123	UDI_131	UDI_139	UDI_147	UDI_155	UDI_163	UDI_171	UDI_179	UDI_187
D	UDI_100	UDI_108	UDI_116	UDI_124	UDI_132	UDI_140	UDI_148	UDI_156	UDI_164	UDI_172	UDI_180	UDI_188
E	UDI_101	UDI_109	UDI_117	UDI_125	UDI_133	UDI_141	UDI_149	UDI_157	UDI_165	UDI_173	UDI_181	UDI_189
F	UDI_102	UDI_110	UDI_118	UDI_126	UDI_134	UDI_142	UDI_150	UDI_158	UDI_166	UDI_174	UDI_182	UDI_190
G	UDI_103	UDI_111	UDI_119	UDI_127	UDI_135	UDI_143	UDI_151	UDI_159	UDI_167	UDI_175	UDI_183	UDI_191
H	UDI_104	UDI_112	UDI_120	UDI_128	UDI_136	UDI_144	UDI_152	UDI_160	UDI_168	UDI_176	UDI_184	UDI_192

Unique Dual Index Primer Sequences

Forward Primer Sequence (i5)¹

5'-AATGATACGGCGACCACCGAGATCTACACNNNNNNNNNNACACT
CTTCCCTACACGACGCTCTTCCGATCT-3'

Reverse Primer Sequence (i7)¹

5'-CAAGCAGAAGACGGCATACGAGATNNNNNNNNNNGTGACTGGA
GTTTCAGACGTGTGCTCTTCCGATCT-3'

D3097 Index Sequences:

Index Name (Fwd + Rev)	i7 Bases in Adapter	i7 Bases for Sample Sheets	i5 Bases in Adapter/ for NovaSeq® 6000 v1.0 ² , NovaSeq® X, NextSeq® 1000/2000 (Sample Sheet v2), MiSeq®, MiniSeq® with Rapid reagents, HiSeq® 2000/2500	i5 Bases for NovaSeq® 6000 v1.5 ² , NextSeq® 1000/2000 (Sample Sheet v1), NextSeq® 500/550, HiSeq® 3000/4000/X, MiniSeq®, iSeq®
UDI_001	GACCAAGTTA	TAACCTGGTC	GATTACGCAC	GTCGTGAATC
UDI_002	CTCCGCTTAT	ATAAGCGGAG	CGTAGAACAG	CTGTTCTACG
UDI_003	ATTAAGGTCG	CGACCTTAAT	ACCTAAGAGC	GCTCTTAGGT
UDI_004	GTGGCAACAT	ATGTTGCCAC	ATGGCTTCTA	TAGAAGCCAT
UDI_005	TGACCTGCTG	CAGCAGGTCA	TACCTAAGTG	CACCTAGGTA
UDI_006	CGCAGCTAGA	TCTAGCTGCG	CCTTACCTAT	ATAGGTAAGG
UDI_007	ACGCTAATCT	AGATTAGCGT	ATATAAGGCG	CGCCTTATAT
UDI_008	GTGTGTACCT	AGGTAACAAC	AGCATCGTGC	GCACGATGCT
UDI_009	ACGAAGTGCG	CGCACTTCGT	CTGGCATATT	AATATGCCAG
UDI_010	GAATAGCAAG	CTTGCTATTCT	CGTGACTCTA	TAGAGTCACG
UDI_011	CCTGGTGAGA	TCTCACCAGG	GACCTGTAA	TTAACAGGTC
UDI_012	ACGTGAGGAA	TTCCCTACGT	TGGCTCATGT	ACATGAGCCA
UDI_013	TCGTGTTCGA	TGCAACACGA	AGAACCTCGC	GCGAGTTCT
UDI_014	TTCAGTTGGA	TCCAACGTAA	CCTACGGACA	TGTCGGTAGG
UDI_015	AATGCGGTTT	GAACCGCATT	AGGCAATAATG	CATTATGCCT
UDI_016	AGCCTGTTGT	ACAACAGGCT	CAACAGTGGA	TCCACTGTTG
UDI_017	ATGCGCGTAA	TTACGCGCAT	TGTCGTTAAG	CTTAACGCACA
UDI_018	GCTAAGAGAA	TTCTCTTAGC	AGCTCGAGGA	TCCTCGAGCT
UDI_019	AGTGTCGCGA	TCGCGACACT	ACATTACTCG	CGAGTAATGT
UDI_020	TCGATCTCCA	TGGAGATCGA	CATACCGCTG	CAGCGGTATG
UDI_021	ATCGGTCTGG	CCAGACCGAT	TGCAAGTAGC	GCTACTTGCA
UDI_022	AAGGCTGTGG	CCACAGCCTT	CTTCAATAGC	GCTATTGAAG
UDI_023	TCTATTCGGT	ACCGAATAGA	CGGATGCTGA	TCAGCATCCG
UDI_024	GAATCGTCCG	CGGACGATTC	CCACCACCTA	TAGGTGGTGG
UDI_025	CACGAAGTAA	TTACTTCGTG	ATCCGATCTT	AAGATCGGAT
UDI_026	TAAGCCGAAT	ATTGCGCTTA	CTGACGTATA	TTAACGTCCG
UDI_027	AGATACCGCG	CGCGGTATCT	GATCGGTAAT	ATTACCGATC
UDI_028	GACGCGGATA	TATCCGCGTC	ACGATGCAAC	GTTGCATCGT
UDI_029	TGGACATCCT	AGGATGTCCA	AACGTCCAGT	ACTGGACGTT
UDI_030	GATAGCTGGC	GCCAGCTATC	ACACGAACAA	TTGTTCTGTG
UDI_031	AGTTCTGAAT	CTTACGAACT	CTCAGTCCGT	ACGGACTGAG
UDI_032	TTGAGTCTTG	CAAGACTCAA	TATGACGGTG	CACCGTCATA
UDI_033	TTGCGTTCGA	TCGACGGCAA	ACACAACATC	GTAGTTGTGT

¹ The NNNNNNNNNN sequences correspond to the "Bases in Adapter" columns on the page 5 and 7 tables.

² "NovaSeq® 6000 v1.0" and "NovaSeq® 6000 v1.5" refer to v1.0 and v1.5 reagent chemistry respectively.

UDI 034	ATCGAACTGA	TCAGTTCGAT	AAGGACTCAG	CTGAGTCCTT
UDI 035	TTGAGGTTAG	CTAACCTCAA	GCAACTGTGA	TCACAGTTGC
UDI 036	ATAGTAGGTC	GACCTACTAT	CGCTTACAAT	ATTGTAAGCG
UDI 037	GACGTCTCGT	ACGAGACGTC	AGAGAGACCG	CGGTCTCTCT
UDI 038	GCTTGCCATA	TATGGCAAGC	CATTGCTGTT	AACAGCAATG
UDI 039	GCTTCGGAGT	ACTCCGAAGC	GCAACACGGA	TCCGTGTTGC
UDI 040	ACTGCGAGAT	AATCTGCAGT	TCACTTCGCA	TGGGAAGTGA
UDI 041	CGCTGAACT	AGTTCAGGCG	AATAGCTGTG	CACAGCTATT
UDI 042	TACCTTGCGG	CGCCAAGGTA	GAACACTATC	GATAGTGTTC
UDI 043	AGATGTCAGG	CCTGACATCT	CTGGTAGCTA	TAGCTACCAG
UDI 044	ACTACGCTCG	CGAGCGTAGT	TGCGTGAGCA	TGCTCACGCA
UDI 045	AGTAATCCAG	CTGGATTACT	TAGCACACTT	AAAGTGTGCTA
UDI 046	GCGAATTGCT	AGCAATTAC	CAGACGATGA	TCATCGTCTG
UDI 047	CCGAGAATAT	ATATTCTCGG	CGGAGACTCT	AGATGCTCCG
UDI 048	TGGATGAGTC	GACTCATCCA	CGCTTG6TTC	GAACCAAGCG
UDI 049	GTGCGTTATG	CATAAGCGAC	CTTGAAGAGG	CCTCTTCAAG
UDI 050	TCAGCTTAGG	CCTAAGCTGA	AGATGCGAGC	CGTCGCATCT
UDI 051	CAAGACATCG	CGATGTCTTG	GAACGTTCCG	CCGAACGTTT
UDI 052	CTCTCATCTC	GAGATGAGAG	AACGCCATTG	GAATGCGGTT
UDI 053	CTTAGTGCTG	TCACCATAAG	TCCTGAACCT	AAGTTACGGA
UDI 054	TGCGCGAAGT	ACTTCCGGCA	ACAATTGGTC	GACCAATTGT
UDI 055	CTAAGCGCTT	AAGCGCTTAG	GTCACAGACA	TGCTGTGAC
UDI 056	CTGTGTTGTT	AACAACACAG	GCCAATGTTT	GAACATTGGC
UDI 057	CATCTAGTCT	AGACTAGATG	TAGTGTACG	CGTAACACTA
UDI 058	TCTATAGAGG	CCTCTATAGA	TTGGAAGTAC	GTACTTCCAA
UDI 059	AAGTAGCGTA	TACGCTACTT	AAGACGCTAA	TTAGCGTCTT
UDI 060	TACCAGTGCG	CGCACTGGTA	AGACGCTCAA	TTGACCGTCT
UDI 061	GTAGAGAGTT	AACCTCTCTAC	GAGAAGCCGT	ACGGCTTCTC
UDI 062	ACTAGGTGGC	GCCACCTAGT	ATACATCGCA	TGCGATGTAT
UDI 063	TATGGCGGAG	CTCCGCCATA	TGCTGAACGC	CGGTTACAGCA
UDI 064	AATCGTGCTA	TGACACGATT	CTTCTTAGGC	GCCTAGGAAG
UDI 065	CCTAGAGCAC	GTGCTCTAGG	CGTTGGTAAC	GTTACCAACG
UDI 066	AGCAAGTTGC	GCAATCTGCT	CTTGTTCCGT	ACGAACCAAG
UDI 067	CTCAATAGAG	CTCTATTGAG	GACTTGCCTG	CACGCAAGTC
UDI 068	GCCGTAAGTG	CACTTACGGC	CTTCTCCAGC	GCTGGAGAAG
UDI 069	TAGATGCTGA	TCAGCATCTA	CGTACACTGG	CCAGTGTACG
UDI 070	TTGATGCAAC	GTTGCATCAA	TCGCATCAAC	GTTGATCGGA
UDI 071	GTGCTGTCTAT	ATGACAGCAC	ATAACAAGCG	CGTTTGTATT
UDI 072	TCCGTCGCTA	TAGCGACGGA	TGAACGTTAC	GTAACGTTCA
UDI 073	TGTGGCATACT	GTATGCCACA	GAAGACTCGG	CCGAGTCTTC
UDI 074	ATCGGATACT	AGTATCCGAT	TAGCGCAATA	TATTGCGCTA
UDI 075	GATCTTCTGTT	AACGAAGATC	TTAGACCACA	TGTGGTCTAA
UDI 076	TCACAGGAGG	CCTCCTGTGA	CGTAGACGTG	CACGTCTACG
UDI 077	CATTCCGCTA	TAGGCGAATG	TCACTGGACT	AGTCCAGTGA
UDI 078	TCTCCTTACT	AGTAAGGAGA	GACCAAGCAT	ATGCTTGGTC
UDI 079	CTCTGTTCCG	CCGAACAGAG	GCGAGTATCA	TGATACTCGC
UDI 080	CGTTAGTTCT	AGAACTAACG	CTCTCGATAA	TTATCGAGAG
UDI 081	CAAGCTGCTC	GAGCAGCTTG	AATACTGGCA	TGCCAGTATT
UDI 082	CTACTATCGG	CCGATAGTAG	TATGCAACTC	GAGTTGCATA
UDI 083	CTGTAGACAC	GTGTCTACAG	ATGCTAGTGT	ACACTAGCAT
UDI 084	CGGTCTGTAC	GTACAGACCG	CCATTAGAAC	GTTCTAATGG
UDI 085	GTCTGTTGGC	GCCAACAGAC	AACGTGAACG	CGTTACCGTT
UDI 086	TCCAACGAGG	CCTCGTTGGA	TAACGCAGTC	GACTGCGTTA
UDI 087	CCTACCTATT	AATAGGTAGG	CCATAAGCCA	TGGCTTATGG
UDI 088	GCTACGCATA	TATGCGTAGC	GTGCCCTCTGA	TCAGAGGCAC
UDI 089	TGACGACTGG	CCAGTCGTCA	TAGCCTAGCG	CGCTAGGCTA
UDI 090	TAGGTCTTCT	AGAAGACCTA	TGTTACGGTT	AACCGTAACA
UDI 091	GAACCTACGG	CCGTGAGTTC	TCATACCAAG	CTTGGTATGA
UDI 092	TGGAATTGGA	TCAATTCCGA	CGGATCTACA	TGTAGATCCG
UDI 093	TTGTGTTCCG	CGGAACACAA	CGGTAGAGTT	AACTCTACCG
UDI 094	TCCGTTATAG	CTATAACGGA	GAATGTCACG	CGTGACATTC
UDI 095	CCTTACATCT	AGATGTAAGG	CCTGGTACAG	CTGTACCAGG
UDI 096	CAGTAAGCAT	ATGCTTACTG	CGGAACCACT	ACTGGTTCGG

D3098 Index Sequences:

Index (Fwd + Rev)	i7 Bases in Adapter	i7 Bases for all sample sheets	i5 Bases in Adapter/ for NovaSeq® 6000 v1.0, ¹ NovaSeq® X, NextSeq® 1000/2000 (Sample Sheet v2), MiSeq®, MiniSeq® with Rapid reagents, HiSeq® 2000/2500	i5 Bases for NovaSeq® 6000 v1.5 ² , NextSeq® 1000/2000 (Sample Sheet v1), NextSeq® 500/550, HiSeq® 3000/4000/X, MiniSeq®, iSeq®
UDI 097	TTAACCGCGC	GCGCGGTAA	GCTATAGCTT	AAGCTATAGC
UDI 098	CCTCAAGGAA	TTCCTTGAGG	TGCTGTCTTA	TAAGACAGCA
UDI 099	GAAGCGACTC	GAGTCGCTTC	AATCTTCGCT	AGCGAAGATT
UDI 100	TTGAGCGTAC	GTACGCTCAA	CGCCATCAAT	ATTGATGGCG
UDI 101	CGATCTTCTA	TAGAAGATCG	ACACTGGTCG	CGACCAAGTG
UDI 102	GCACTAGGTT	AACCTAGTGC	AGGACCTGTA	TACAGGTCTC
UDI 103	GACATACACG	CGTGTATGTC	ATAGAGATGC	GCATCTCTAT
UDI 104	TGGATCTGAA	TTCAGATCCA	TCCAATGCCA	TGGCATTTGA
UDI 105	AACTGGTGAG	CTCACCAGTT	GACACACCAA	TTGGTGTGTC
UDI 106	GACTACTAGT	ACTAGTAGTC	GAGTGTACGT	ACGTACACTC
UDI 107	GCAGTCTATT	AATAGACTGC	GCGACCTTGA	TCAAGGTCGC
UDI 108	CGTTGATCAT	ATGATCAACG	GACGCTATAC	GTATAGCGTC
UDI 109	CCGCTTCTCTA	TAGGAAGCGG	CCTGGATTGG	CCAATCCAGG
UDI 110	AGTAGGATGC	GCATCCTACT	TCGCGATGTC	GACATCGCGA
UDI 111	ACGCTGGACT	AGTCCAGCGT	CAATACGACA	TGTCGTATTG
UDI 112	ATGGCTGCCT	AGGCAGCCAT	CTAGACACTC	GAGTGTCTAG
UDI 113	TACGAGTCGC	GCGACTCGTA	ACATGGCCTG	CAGGCCATGT
UDI 114	CCTCAGATAC	GTATCTGAGG	CAAGATACGT	ACGTATCTTG
UDI 115	TTAGGTGATG	CATCACCTAA	AATACCACCA	TGGTGGTATT
UDI 116	GTATATGCCG	CGGCATATAC	TCCAGCTCAT	ATGAGCTGGA
UDI 117	GACACTCGTG	CACGAGTGTC	CTCTAGCCTA	TAGGCTAGAG
UDI 118	ATAGTCTCCG	CGGAGACTAT	GTAGAAGCAT	ATGCTTCTAC
UDI 119	CTAACACCTT	AAGGTGTTAG	CACCAAGCACA	TGTGCTGGTG
UDI 120	CTTCCATCGC	GCGATGGAAG	ATCTTGCGGC	GCCGCAAGAT
UDI 121	ATGCGACCGT	ACGGTCGCAT	TAGAGAGTAC	GTACTCTCTA
UDI 122	CCGTGTGTAA	TTACACACGG	TCTCGGAGTT	AACTCCGAGA
UDI 123	TCTAATCTCG	CGAGATTAGA	CCGCGATTAG	CTAATCCGCG
UDI 124	TCGATCCTTG	CAAGGATCGA	TTGTGTCTGT	GCAGACACAA
UDI 125	TGTGTGTGTT	ACAACACACA	AGTGCCGATG	CATCCGGCACT
UDI 126	GCGAGCTCTT	AAGAGCTCGC	GATCTATTGG	CCAATAGATC
UDI 127	ACGCCTCTGT	ACAGAGGCGT	CCGATATGTC	GACATATCGG
UDI 128	CCGTACAGTT	AACTGTACGG	CATATTGGAG	CTCCAATATG
UDI 129	CCTACTTCGC	GCGAAGTAGG	ACACAATGGT	ACCATTGTGT
UDI 130	GTGTCTTCAC	GTGAAGACAC	GATCAAGCCA	TGGCTGTATC
UDI 131	GACCTAAGTC	GACTTAGGTC	AAGTCCATAG	CTATGGACTT
UDI 132	TGTCCGTCCT	AGGACGGACA	CCACGACTTC	GAAGTCGTGG
UDI 133	TGACATAGG	CCTATGTGTA	CGACTACACTA	TAGTGAGTCG
UDI 134	GTCAACGTTG	CAACGTTGAC	TTCCGTCCAA	TTGGACGGAA
UDI 135	ACCTATGTCA	TGACATAGGT	ATCTCTGGTA	TACCAGAGAT
UDI 136	TTTGGGTGTA	TTACACCAAC	CCTAACTCAT	ATGAGTTAGG
UDI 137	TAAATCCAGG	CCTGGAATTA	TTCCGATGACG	CGTCATCGAA
UDI 138	TTGATGTTGC	GCAACATCAA	AACTAGGTCA	TGACCTAGTT
UDI 139	ACCTGGCTGT	ACAGCCAGGT	AGTACCATGA	TCATGGTACT
UDI 140	AGATGGACTA	TAGTCCATCT	CTGTCTGTGC	GACAGGACAG
UDI 141	TCTGAGAGGC	GCCTCTCAGA	AGTCGTCACG	CGTGACGACT
UDI 142	CTTGAACCTA	TAGGTTCAAG	GCCGGTAAAT	ACTTACCGGC
UDI 143	CGAGAGTCTT	AAGACTCTCG	GAAGGAGAGC	GCTCTCCTTC
UDI 144	GTCGATCTTC	GAAGATCGAC	CGTGGTCACT	AGTGACCACG
UDI 145	GACAATCCAA	TTGGATTGTC	CTAACAGCCG	CGGCTGTTAG
UDI 146	TGTGCCAATT	AATTGGCACA	ACTCCGACTG	CAGTCGGAGT
UDI 147	GCGATTGCCT	AGGCAATCGC	ACAGACTCAT	ATGAGTCTGT

¹ "NovaSeq® 6000 v1.0" and "NovaSeq® 6000 v1.5" refer to v1.0 and v1.5 reagent chemistry respectively.

UDI 148	TAGTGTGCA	TGCAACACTA	TACCAGAACG	CGTCTGGTA
UDI 149	CAGGCGATTG	GAATCGCCTG	GCCGTCAATG	CATTGACGGC
UDI 150	TGTCATGCGA	TCGCATGACA	CATTGGCCAA	TTGGCCAAATG
UDI 151	CACGTATTGA	TCAATACGTG	TATTAGCAGC	GCTGCTAATA
UDI 152	CGTGGAGAAT	ATTCTCCACG	CGATCATCGA	TCGATGATCG
UDI 153	CTCTGTAACA	TGTTACAGAG	CTGGTACACA	TGTGTACCAG
UDI 154	GCGTCCGTAA	TTACGGACGC	GCTGGCCAAT	ATTGGCCAGC
UDI 155	TCAACATTGG	CCAATGTTGA	GACATTCAAG	CTTGAATGTC
UDI 156	TCTAAGTACG	CGTACTTAGA	TGAACATCGG	CCGATGTTCA
UDI 157	TGTTACGGC	GCCGTGAACA	ATGGTGGTGC	GCACCACCAT
UDI 158	GTGGTCTCCT	AGGAGACCAC	CTACGTGGTA	TACCACGTAG
UDI 159	CGCTTGCTTC	GAAGCAAGCG	TAGTCGGTGA	TCACCGACTA
UDI 160	CAGTCGCGTT	AACGCGACTG	CTCGTAGGTC	GACCTACGAG
UDI 161	AGTCCGCGAA	TTCGCGGACT	ACCACTCTCT	AGAGAGTGGT
UDI 162	GTCGTACGCA	TCGTGACGAC	AGTTAGTCAC	GTGACTAACT
UDI 163	GCTAGATTGA	TCAATCTAGC	CTTATTCGGA	TCCGAATAAG
UDI 164	TTGACTCCGC	GCGGAGTCAA	AGCTATAGAG	CTCTATAGCT
UDI 165	TTCTAGCATC	GATGCTAGAA	CTGGCATCCA	TGGATGCCAG
UDI 166	TAACCATCGT	ACGATGGTTA	CCTAGCAATT	AATTGCTAGG
UDI 167	ATACTGCTCT	AGAGCAGTAT	CCTCCTCTTG	CAAGAGGAGG
UDI 168	AGGATCACAA	TTGTGATCCT	ATGCCCTTCAT	ATGAAGGCAT
UDI 169	TCCGATCTTA	TAAGATCGGA	CACGGATGAA	TTCATCCGTG
UDI 170	CAGCAACTAA	TTAGTTGCTG	AATCCGCCAT	ATGCGCGATT
UDI 171	GCATCTGACT	AGTCAGATGC	AGTGTGTGAG	CTCACACACT
UDI 172	CGTTTGACT	AGTACAACCTG	GAACTCAATG	CATTGAGTTC
UDI 173	GCGTACTAAG	CTTAGTACGC	TCGTTGTAGC	GCTACAACGA
UDI 174	CGATGCGTAC	GTACGCATCG	TGAACAACCT	GAGTTGTTCA
UDI 175	GAACGGAAGT	ACTTCCGTTT	CACGGAATTG	CAATTCCGTG
UDI 176	AAGCAGGTGG	CCACCTGCTT	GACGGTAACA	TGTTACCGTC
UDI 177	ACAACCACCA	TGGTGGTTGT	TTGACAGGTA	TACCTGTCAA
UDI 178	TGTGTTGCGT	ACGCAACACA	CTCCTGAATG	CATTCAGGAG
UDI 179	AGTGCACTGG	CCAGTGCAT	GATACGGAGG	CCTCCGTATC
UDI 180	ACGCCTGATG	CATCAGGCGT	CGGTAACACG	CGTGTTACCG
UDI 181	GTTCTAGGAT	ATCCTAGAAC	GCAGACTTCA	TGAAGTCTGC
UDI 182	GACTCTAGGC	GCCTAGAGTC	AGAGAACCAT	ATGTTCTCT
UDI 183	AGAGAGTAAG	CTTACTCTCT	CCTTAAGCAG	CTGCTTAAGG
UDI 184	AGGTTGTGCG	CCGACAACCT	ACAGGTAGAA	TTCTACCTGT
UDI 185	CATACAGATC	GATCTGTATG	GCTCTTCGAT	ATCGAAGAGC
UDI 186	CACTGCCTAT	ATAGGCAGTG	CTAAGTTCTG	CAGAACTTAG
UDI 187	CACTCTATTG	GAATAGAGTG	AGACGCTGTG	CACAGCGTCT
UDI 188	TTCTGTTTAC	GTAACAGGAA	TCTGAAGACA	TGCTTTCAGA
UDI 189	CAACAACCAT	ATGGTTGTTG	CCTCATAACT	AGTTATGAGG
UDI 190	GTGCTATTGT	ACAATAGCAC	ATAGGCATAC	GTATGCCTAT
UDI 191	GAACCTGTAG	CTACAAGTTC	TTCATGGTGC	GCACCATGAA
UDI 192	AGATCAGGTT	AACCTGATCT	CGGACGGAAAT	ATTCCGTCCG

Appendix

Considerations for Multiplexing with D3008/D3096 Indexes

Libraries indexed with the D3097 and D3098 primers are generally multiplexable with libraries prepared with the similar D3008 and D3096 primers. However, certain D3008/D3096 primers should be avoided to prevent barcode mismatches with the D3097/D3098 primers (due to a Hamming distance ≤ 2 with either the i5 or i7 indexes). To avoid any barcode mismatch when multiplexing D3097/D3098 with D3008/D3096, please observe the following:

If pooling libraries with the following Zymo-Seq™ UDI Primer Plates (10-bp):	Please avoid pooling libraries prepared with the following primer sets from D3008/D3096 (8-bp):
D3097	9, 51, 63, 71, 86, 88
D3098	1, 40, 48, 55, 78, 79, 87, 90

The following D3096 plate layout is color-coded with the primers to avoid from the table above:

	1	2	3	4	5	6	7	8	9	10	11	12
A	UDI_01	UDI_09	UDI_17	UDI_25	UDI_33	UDI_41	UDI_49	UDI_57	UDI_65	UDI_73	UDI_81	UDI_89
B	UDI_02	UDI_10	UDI_18	UDI_26	UDI_34	UDI_42	UDI_50	UDI_58	UDI_66	UDI_74	UDI_82	UDI_90
C	UDI_03	UDI_11	UDI_19	UDI_27	UDI_35	UDI_43	UDI_51	UDI_59	UDI_67	UDI_75	UDI_83	UDI_91
D	UDI_04	UDI_12	UDI_20	UDI_28	UDI_36	UDI_44	UDI_52	UDI_60	UDI_68	UDI_76	UDI_84	UDI_92
E	UDI_05	UDI_13	UDI_21	UDI_29	UDI_37	UDI_45	UDI_53	UDI_61	UDI_69	UDI_77	UDI_85	UDI_93
F	UDI_06	UDI_14	UDI_22	UDI_30	UDI_38	UDI_46	UDI_54	UDI_62	UDI_70	UDI_78	UDI_86	UDI_94
G	UDI_07	UDI_15	UDI_23	UDI_31	UDI_39	UDI_47	UDI_55	UDI_63	UDI_71	UDI_79	UDI_87	UDI_95
H	UDI_08	UDI_16	UDI_24	UDI_32	UDI_40	UDI_48	UDI_56	UDI_64	UDI_72	UDI_80	UDI_88	UDI_96

Ordering Information

Product Description	Catalog No.	Size
Zymo-Seq RiboFree® Total RNA Library Kit	R3000 R3003	12 Preps. 96 Preps.
Zymo-Seq RiboFree® Universal cDNA Kit	R3001	12 Preps.
Zymo-Seq SwitchFree™ 3' mRNA Library Kit	R3008 R3009	12 Preps. 96 Preps.
Zymo-Seq RRBS Library Kit	D5460 D5461	24 Preps. 48 Preps.
Zymo-Seq UDI Primer Plate (Indexes 1-96, 10-bp)	D3097	96 Indexes
Zymo-Seq UDI Primer Plate (Indexes 97-192, 10-bp)	D3098	96 Indexes

Complete Your Workflow



Sample Collection

Prevent RNA Degradation

- DNA/RNA Shield [Cat. No. R1100-50]



NGS-Grade RNA Extraction

RNA Isolation from Any Sample Type

- *Quick*-RNA Miniprep Plus [Cat. No. R1057]
- Direct-zol RNA Miniprep Plus [Cat. No. R2071]



RNA-Seq Library Prep Kits

Simple, Reliable, and Automation-friendly

- Zymo-Seq RiboFree® Total RNA Library Kit [Cat. No. R3000]
- Zymo-Seq SwitchFree™ 3' mRNA Library Kit [Cat. No. R3008]



Stranded Libraries Ready for Sequencing

Notes

[illegible]



**100% satisfaction guarantee on all Zymo Research products,
or your money back.**

Zymo Research is committed to simplifying your research with quality products and services. If you are dissatisfied with this product for any reason, please call 1(888) 882-9682.

Integrity of kit components is guaranteed for up to one year from date of purchase.
Reagents are routinely tested on a lot-to-lot basis to ensure they provide the highest performance and reliability.

This product is for research use only and should only be used by trained professionals. It is not for use in diagnostic procedures. Some reagents included with this kit are irritants. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility.

TM Trademarks of Zymo Research Corporation

[®]Registered trademarks of Zymo Research Corporation.

ILLUMINA[®], TRUSEQ[®], NOVASEQ[®], NEXTSEQ[®], MISEQ[®], MINISEQ[®], HISEQ[®], AND ISEQ[®] ARE REGISTERED TRADEMARKS OF ILLUMINA, INC.

*The **BEAUTY** of **SCIENCE** is to Make Things **SIMPLE**®*

