



Ver. HB221028

Hieff NGS™ Stubby UDI Primer Kit for Illumina (384 Index)

Product description

Hieff NGS™ Stubby UDI Primer Kit for Illumina are four special kits for DNA library preparation for Illumina platforms, contain 12/96/192/384 kinds of indexed primers and PE adapter for NGS library preparation. The UDI Primers in all the Kits are the mix of i5 and i7 Primers. All the reagents provided in the kits are subjected strict quality control and functional verification to ensure the maximum stability and repeatability of the library preparation.

Components

Components No.	Name	Volume
12407ES02	PE Adapter	4×672μL
	UDI Primer Plate A (1-96)	10μL each well
	UDI Primer Plate B (97-192)	10μL each well
	UDI Primer Plate C (193-288)	10μL each well
	UDI Primer Plate D (289-384)	10μL each well

Specifications

Product Line	Illumina platform adapter
Starting Material	DNA
Index type	UDI
Workflow Step	Library Barcoding
Index number	Index 1-384 of 384 index
Library type	Unique Dual-indexed fragment libraries

Shipping and Storage

All the components are shipped with dry ice and can be stored at -15°C~ -25°C for 18 months.

Instructions

The structure of libraries prepared with Hieff NGS™ Stubby UDI Primer Kit for Illumina (Cat#12404ES01/12405ES01/12406ES2/12407ES02) are as follows:



PE Adapter for Illumina:

5´-/5Phos/ GATCGGAAGAGCACACGTCTGAACTCCAGT*C-3´

5´-ACACTCTTCCCTACACGACGCTCTTCCGATC*T-3´

i5 Index Primer for Illumina:

5´-AATGATACGGCGACCACCGAGATCTACAC[i5 Index]ACACTCTTCCCTACACGACGCTCTTCCGATCT-3´



i7 Index Primer for Illumina:

5´-CAAGCAGAAGACGGCATAACGAGAT[i7 Index]GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC-3´

Plate A (Set1)

	1	2	3	4	5	6	7	8	9	10	11	12
A	1	9	17	25	33	41	49	57	65	73	81	89
B	2	10	18	26	34	42	50	58	66	74	82	90
C	3	11	19	27	35	43	51	59	67	75	83	91
D	4	12	20	28	36	44	52	60	68	76	84	92
E	5	13	21	29	37	45	53	61	69	77	85	93
F	6	14	22	30	38	46	54	62	70	78	86	94
G	7	15	23	31	39	47	55	63	71	79	87	95
H	8	16	24	32	40	48	56	64	72	80	88	96

Plate B (Set2)

	1	2	3	4	5	6	7	8	9	10	11	12
A	97	105	113	121	129	137	145	153	161	169	177	185
B	98	106	114	122	130	138	146	154	162	170	178	186
C	99	107	115	123	131	139	147	155	163	171	179	187
D	100	108	116	124	132	140	148	156	164	172	180	188
E	101	109	117	125	133	141	149	157	165	173	181	189
F	102	110	118	126	134	142	150	158	166	174	182	190
G	103	111	119	127	135	143	151	159	167	175	183	191
H	104	112	120	128	136	144	152	160	168	176	184	192

Plate C (Set3)

	1	2	3	4	5	6	7	8	9	10	11	12
A	193	201	209	217	225	233	241	249	257	265	273	281
B	194	202	210	218	226	234	242	250	258	266	274	282
C	195	203	211	219	227	235	243	251	259	267	275	283
D	196	204	212	220	228	236	244	252	260	268	276	284
E	197	205	213	221	229	237	245	253	261	269	277	285
F	198	206	214	222	230	238	246	254	262	270	278	286
G	199	207	215	223	231	239	247	255	263	271	279	287
H	200	208	216	224	232	240	248	256	264	272	280	288

Plate D (Set4)

	1	2	3	4	5	6	7	8	9	10	11	12
A	289	297	305	313	321	329	337	345	353	361	369	377
B	290	298	306	314	322	330	338	346	354	362	370	378
C	291	299	307	315	323	331	339	347	355	363	371	379
D	292	300	308	316	324	332	340	348	356	364	372	380
E	293	301	309	317	325	333	341	349	357	365	373	381
F	294	302	310	318	326	334	342	350	358	366	374	382
G	295	303	311	319	327	335	343	351	359	367	375	383
H	296	304	312	320	328	336	344	352	360	368	376	384

Plate A (Index 1-96)

Position	Index_ID	i7 Index Sequence when sequencing	i5 Index Sequence when sequencing	
			NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq,NextSeq,HiSeq3000/4000
A1	UDI-P0001	AATCGTTA	AATAACGT	ACGTTATT
B1	UDI-P0002	GTCTACAT	TTCTTGAA	TTCAAGAA
C1	UDI-P0003	CGCTGCTC	GGCAGATC	GATCTGCC
D1	UDI-P0004	GATCAACA	CTATGTTA	TAACATAG
E1	UDI-P0005	CGAAGGAC	GTTGACGC	GCGTCAAC
F1	UDI-P0006	GATGCCGG	ATCTACGA	TCGTAGAT
G1	UDI-P0007	CTACGAAG	CTCGACAG	CTGTCTGAG
H1	UDI-P0008	GATGCGTC	GAGGCTGC	GCAGCCTC
A2	UDI-P0009	CTACGGCA	CCTCGTAG	CTACGAGG
B2	UDI-P0010	GATTCCTT	CATAGGCA	TGCCTATG
C2	UDI-P0011	CTACTCGA	AGATGAAC	GTTTCTCT
D2	UDI-P0012	GATTCGAG	CCGAGTAT	ATACTCGG
E2	UDI-P0013	AATCGGCG	AATATTGA	TCAATATT
F2	UDI-P0014	TTCGCCGA	GTATACCG	CGGTATAC
G2	UDI-P0015	CTGGCCTC	GATCCAAC	GTTGGATC
H2	UDI-P0016	GAAGTAT	AGATACGC	GCGTATCT
A3	UDI-P0017	CGTATTGG	GGTATCTT	AAGATACC
B3	UDI-P0018	GAAGCACA	CCTCTGGC	GCCAGAGG
C3	UDI-P0019	CTTAATAC	CCATTGTG	CACAATGG
D3	UDI-P0020	GAAGTCTT	ACTACGGT	ACCGTAGT



E3	UDI-P0021	GAAGAGGC	AAGTGCTA	TAGCACTT
F3	UDI-P0022	CGGATAAC	GCCGAACG	CGTTCGGC
G3	UDI-P0023	GAATCTGG	TGTCCACG	CGTGGACA
H3	UDI-P0024	CTGATTGA	GACACACT	AGTGTGTC
A4	UDI-P0025	AATCCGTT	AATATGCT	AGCATATT
B4	UDI-P0026	TGCGTACA	TTCTCATA	TATGAGAA
C4	UDI-P0027	GAATCAAT	TCTGTGAT	ATCACAGA
D4	UDI-P0028	TGAGTCAG	CCGAACTT	AAGTTCGG
E4	UDI-P0029	GAATGCTC	GTCTAACA	TGTTAGAC
F4	UDI-P0030	GAATATCC	GACGCCAT	ATGGCGTC
G4	UDI-P0031	CTTATGAA	GCCAATGT	ACATTGGC
H4	UDI-P0032	TCGGCACC	CCAACGTC	GACGTTGG
A5	UDI-P0033	AAGAAGCG	GTAGATAA	TTATCTAC
B5	UDI-P0034	CTCACGAT	CTTACGGC	GCCGTAAG
C5	UDI-P0035	TCGGTCGA	CCAAGTGC	GCACTTGG
D5	UDI-P0036	TCGGTAAG	CTAACTCA	TGAGTTAG
E5	UDI-P0037	AAGATACA	AATATCTG	CAGATATT
F5	UDI-P0038	GTCGCTGT	TTATATCA	TGATATAA
G5	UDI-P0039	TCGGATGT	CTGCGGAT	ATCCGCAG
H5	UDI-P0040	CGAGCCGG	GCGGCTTG	CAAGCCGC
A6	UDI-P0041	CGATTATC	GAGTTGAT	ATCAACTC
B6	UDI-P0042	TCGAAGCT	GCACTGAG	CTCAGTGC
C6	UDI-P0043	CTATCATT	GACCACCT	AGGTGGTC
D6	UDI-P0044	CGCGCCAA	TGGCTAGG	CCTAGCCA
E6	UDI-P0045	CGAACGGA	CCTACCGG	CCGGTAGG
F6	UDI-P0046	CTACTGAC	GGAGGATG	CATCCTCC
G6	UDI-P0047	TCTTAAGT	CGCTGAAT	ATTCAGCG
H6	UDI-P0048	TTAGAGTC	TGTGACGA	TCGTCACA
A7	UDI-P0049	AAGACGAA	AATAGATT	AATCTATT
B7	UDI-P0050	TTATTATG	TTAGCGCA	TGCGCTAA
C7	UDI-P0051	CGCTATTA	GCGGCCGT	ACGGCCGC
D7	UDI-P0052	TCTATCAG	CAGTAACC	GGTACTG
E7	UDI-P0053	CGGTGGTA	GCCTAGTA	TACTAGGC
F7	UDI-P0054	TCACCAAT	CACGGCGC	GCGCCGTG
G7	UDI-P0055	CTGGAAGC	GGTGCAGA	TCTGCACC
H7	UDI-P0056	CGTAAGAG	TCGCTGAC	GTCAGCGA
A8	UDI-P0057	AAGAGAGC	CAGCCAGT	ACTGGCTG
B8	UDI-P0058	TCAACGAG	CGTCAACC	GGTTGACG
C8	UDI-P0059	TGCGAGAC	GCCGGCGA	TCGCCGGC



D8	UDI-P0060	CCTGGTGT	GCCTCCGG	CCGGAGGC
E8	UDI-P0061	AAGTAAGT	AATAGTCC	GGACTATT
F8	UDI-P0062	TGACTGAA	TTAGACGT	ACGTCTAA
G8	UDI-P0063	AAGACTGT	GTGGACTA	TAGTCCAC
H8	UDI-P0064	CAATGATG	CACGGACG	CGTCCGTG
A9	UDI-P0065	CACAGTAA	CACTAGAG	CTCTAGTG
B9	UDI-P0066	TGGTCATT	GCAGATGG	CCATCTGC
C9	UDI-P0067	CAACCGTG	CTCTCACG	CGTGAGAG
D9	UDI-P0068	TGGTGCAC	GGAATCAC	GTGATTCC
E9	UDI-P0069	CCACAATG	CGTTGACG	CGTCAACG
F9	UDI-P0070	TGTGTGCC	CATCAGGT	ACCTGATG
G9	UDI-P0071	CACCACGG	CGTTGTAA	TTACAACG
H9	UDI-P0072	TGTGTTAA	GGCACGGT	ACCGTGCC
A10	UDI-P0073	AAGTTATC	AATAGCAA	TTGCTATT
B10	UDI-P0074	GTACAGCT	TGATCGGT	ACCGATCA
C10	UDI-P0075	CAACTGCT	AGTAGTAT	ATACTACT
D10	UDI-P0076	CATGATGA	GTTAGAGG	CCTCTAAC
E10	UDI-P0077	TGACTACT	CCTTACAG	CTGTAAGG
F10	UDI-P0078	CAGAAGAT	GTACATTG	CAATGTAC
G10	UDI-P0079	TGAGGCGC	GGAGACCA	TGGTCTCC
H10	UDI-P0080	CAGGTTCC	CGAACACC	GGTGTTCG
A11	UDI-P0081	TGAACAGG	GAGAACAA	TTGTTCTC
B11	UDI-P0082	CAGTGTGG	TGTGAATC	GATTCACA
C11	UDI-P0083	TTCCACCA	GGTTAAGG	CCTTAACC
D11	UDI-P0084	CCGCTGTT	AGACCGCA	TGCGGTCT
E11	UDI-P0085	AAGTTGGA	AATACAGG	CCTGTATT
F11	UDI-P0086	GGACAACG	TGATGGCC	GGCCATCA
G11	UDI-P0087	TTCGAACC	TGTCACCT	AGGTGACA
H11	UDI-P0088	CAGACCAC	GCTTCGGC	GCCGAAGC
A12	UDI-P0089	TTCTGGTG	CCAGTGGT	ACCACTGG
B12	UDI-P0090	CAATCGAA	GCACACGC	GCGTGTGC
C12	UDI-P0091	AAGTACAG	GTCACGTC	GACGTGAC
D12	UDI-P0092	CCGTGCCA	GCAGCTCC	GGAGCTGC
E12	UDI-P0093	CATTGCAC	CATGCAGC	GCTGCATG
F12	UDI-P0094	TTACCTGG	ACGATTGC	GCAATCGT
G12	UDI-P0095	CTGCAACG	GACATTCG	CGAATGTC
H12	UDI-P0096	TACTGTTA	GCGAATAC	GATTTCGC



Plate B (Index 97-192)

Position	Index_ID	i7 Index Sequence when sequencing	i5 Index Sequence when sequencing	
			NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq, NextSeq, HiSeq3000/4000
A1	UDI-P0097	AAGTGTAT	AATTAATG	CATTAATT
B1	UDI-P0098	GTCCACTC	TTAATTCC	GGAATTAA
C1	UDI-P0099	CTTGCTAT	GAAGGAAC	GTTCTTTC
D1	UDI-P0100	TACATAGA	CAGGCATA	TATGCCTG
E1	UDI-P0101	TAGCCGAT	CCAATACT	AGTATTGG
F1	UDI-P0102	CGATCCAC	TCGCGCAT	ATGCGCGA
G1	UDI-P0103	TAGCGTTG	GTGTGAAC	GTTACACAC
H1	UDI-P0104	CTCATCAC	GGTGGCAC	GTGCCACC
A2	UDI-P0105	TATGCGGT	TAGGTGCT	AGCACCTA
B2	UDI-P0106	TAACTCGC	GAGCGGTT	AACCGCTC
C2	UDI-P0107	CGTACGTT	AGGATTAG	CTAATCCT
D2	UDI-P0108	TAAGTACC	GTGAGCCA	TGGCTCAC
E2	UDI-P0109	AAGTCGTG	AATTATGC	GCATAATT
F2	UDI-P0110	TTCAGAAC	TTACGCCG	CGGCGTAA
G2	UDI-P0111	GTTATATA	GTAGTGAT	ATCACTAC
H2	UDI-P0112	ACCGCTAT	TGGTTGCA	TGCAACCA
A3	UDI-P0113	ACCGTCCT	GTCCGACC	GGTCGGAC
B3	UDI-P0114	TGTCTAAC	GCCAGCCG	CGGCTGGC
C3	UDI-P0115	ACCGAGGT	CTCGTGTC	GACACGAG
D3	UDI-P0116	ACCGATTA	GCCGTGGC	GCCACGGC
E3	UDI-P0117	GTTCTACT	GTAGCCAC	GTGGCTAC
F3	UDI-P0118	ACCTGACT	GACTTATA	TATAAGTC
G3	UDI-P0119	GGTAATCG	GAACGTCG	CGACGTTC
H3	UDI-P0120	ACCTTAGA	ATGCGTAG	CTACGCAT
A4	UDI-P0121	AAGGAGTT	AATTAGAT	ATCTAATT
B4	UDI-P0122	TGAAGCCA	TTACGATA	TATCGTAA
C4	UDI-P0123	GTGTTGTA	CTGTACAA	TTGTACAG
D4	UDI-P0124	ACCACACG	CGTGGTTG	CAACCACG
E4	UDI-P0125	ACCAGGAC	TGTAGCGG	CCGCTACA
F4	UDI-P0126	TTGGCAGG	GTGTCATG	CATGACAC
G4	UDI-P0127	ACCATTAA	GAACCGGT	ACCGTTC
H4	UDI-P0128	TTGTAGAT	CACTCTGA	TCAGAGTG
A5	UDI-P0129	ACCATATC	TACACGTT	AACGTGTA
B5	UDI-P0130	TTGGTGGC	GAGTGCCT	AGGCACTC



C5	UDI-P0131	ACCAACAT	GACGGTCC	GGACCGTC
D5	UDI-P0132	GTCTGTGC	CTGATGCT	AGCATCAG
E5	UDI-P0133	AAGGCAAT	AATTACCA	TGGTAATT
F5	UDI-P0134	TGCATTGC	GTCCTGTT	AACAGGAC
G5	UDI-P0135	ACGCCACT	GTTAACAG	CTGTTAAC
H5	UDI-P0136	AAGTCTCC	AGCCTGTA	TACAGGCT
A6	UDI-P0137	GGATCTCT	ACGTTGCT	AGCAACGT
B6	UDI-P0138	ACGCGATC	GGTGTTCG	GCAACACC
C6	UDI-P0139	GGATAATA	TGGTACTA	TAGTACCA
D6	UDI-P0140	ACGCTTAT	CATCATTG	CAATGATG
E6	UDI-P0141	TTAGGTTG	GACGATTG	CAATCGTC
F6	UDI-P0142	ACGCACAA	CGGCCGAA	TTCGGCCG
G6	UDI-P0143	TGAATATA	CTGCCGCC	GGCGGCAG
H6	UDI-P0144	GGCAGGAG	GCATTAGC	GCTAATGC
A7	UDI-P0145	AAGCAATA	AATTGAGA	TCTCAATT
B7	UDI-P0146	TTATGTAT	TTCAAGAG	CTCTTGAA
C7	UDI-P0147	ACGGCAGA	GTCCGCAA	TTGCGGAC
D7	UDI-P0148	GGACTCTG	CAAGGTAG	CTACCTTG
E7	UDI-P0149	GTACGTAC	AGCGACTC	GAGTCGCT
F7	UDI-P0150	GGAAGGTA	GTAGTATC	GATACTAC
G7	UDI-P0151	ACGTCCAT	GTGGCGAA	TTCGCCAC
H7	UDI-P0152	ACGTGTTG	ACGTGCGC	GCGCACGT
A8	UDI-P0153	TGAAGAAT	GAAGACAG	CTGTCTTC
B8	UDI-P0154	ACGTAGTC	GCGCAGAT	ATCTGCGC
C8	UDI-P0155	AAGGATAA	AGAGACAT	ATGTCTCT
D8	UDI-P0156	GGCGAGGA	CACTTGTT	AACAAGTG
E8	UDI-P0157	AACAAGGC	AATTGGTC	GACCAATT
F8	UDI-P0158	TTGGTCCG	TTAACT	AGTGTTAA
G8	UDI-P0159	ACGAGCCT	GCTCAGCG	CGCTGAGC
H8	UDI-P0160	GGAGATTC	G TTCAGAC	GTCTGAAC
A9	UDI-P0161	TGCGCGCT	CAGTTGCG	CGCAACTG
B9	UDI-P0162	ACGATCTA	GCAATATG	CATATTGC
C9	UDI-P0163	TGCTGAGG	CGCAACGT	ACGTTGCG
D9	UDI-P0164	ACTCCTCC	GGTGAGAT	ATCTCACC
E9	UDI-P0165	ACTCTACG	CCAGCTGA	TCAGCTGG
F9	UDI-P0166	TTCGTTCT	GTTGAGCA	TGCTCAAC
G9	UDI-P0167	TGCAGTCG	CTGTAGTG	CACTACAG
H9	UDI-P0168	TGCCGTAA	GTGCATCC	GGATGCAC
A10	UDI-P0169	AACAGTTG	AATTCAT	AGTGAATT



B10	UDI-P0170	TGTTAACA	TTCAGTGA	TCACTGAA
C10	UDI-P0171	ACTTCCTG	AGTCGCGA	TCGCGACT
D10	UDI-P0172	TGAATGCG	CCATATCG	CGATATGG
E10	UDI-P0173	ACTTGTAC	AAGCATGG	CCATGCTT
F10	UDI-P0174	ACTACTTA	CGTGTCTA	TAGACACG
G10	UDI-P0175	TGAGATCG	TCAGTTGC	GCAACTGA
H10	UDI-P0176	ACTAGCTC	CGAGAGTG	CACTCTCG
A11	UDI-P0177	TTATCAAC	CGAGTACG	CGTACTCG
B11	UDI-P0178	TGCTTGTC	GTGTCTCA	TGAGACAC
C11	UDI-P0179	AAGGTAGG	CCATCGCT	AGCGATGG
D11	UDI-P0180	TGGTATGG	CTTCGCTC	GAGCGAAG
E11	UDI-P0181	AACACATA	AATTCTAA	TTAGAATT
F11	UDI-P0182	TGGTGTCT	TTCATCTG	CAGATGAA
G11	UDI-P0183	ACACTAAC	ACAGTGAA	TTCACTGT
H11	UDI-P0184	TTGTGTTC	AGATGTGA	TCACATCT
A12	UDI-P0185	ACACACCT	GGCAACTG	CAGTTGCC
B12	UDI-P0186	GGTGTCCG	CAGCGTCT	AGACGCTG
C12	UDI-P0187	ACACATTC	CTGTCCGT	ACCGACAG
D12	UDI-P0188	TTGCTTAA	TCGGCGTT	AACGCCGA
E12	UDI-P0189	ACAGCCTT	CACACGCG	CGCGTGTG
F12	UDI-P0190	TTGCAGTA	AGCCAACA	TGTTGGCT
G12	UDI-P0191	ACAGGCAG	AGCAAGTT	AACTTGCT
H12	UDI-P0192	TTGCCATC	ACGCGTCA	TGACGCGT



Plate C (Index 193-288)

Position	Index_ID	i7 Index Sequence when sequencing	i5 Index Sequence when sequencing	
			NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq, NextSeq, HiSeq3000/4000
A1	UDI-P0193	ATAATGTA	AATGAACC	GGTTCATT
B1	UDI-P0194	TCGTACCG	GGAAGTGG	CCACTTCC
C1	UDI-P0195	GTTATTAT	CGCTAAGC	GCTTAGCG
D1	UDI-P0196	ACAGAAGC	GTCATAGC	GCTATGAC
E1	UDI-P0197	TTGATAAT	GTGACCAT	ATGGTCAC
F1	UDI-P0198	ACATCGGA	GAAGTTGA	TCAACTTC
G1	UDI-P0199	ACATCTAG	CGCTACCG	CGGTAGCG
H1	UDI-P0200	GTGAGTGT	CGCCTCTT	AAGAGGCG
A2	UDI-P0201	ACATCACC	GTTCTGGA	TCCAGAAC
B2	UDI-P0202	TTGAACGC	GAGATGCC	GGCATCTC
C2	UDI-P0203	ACATGGAT	GGTTAGCC	GGCTAACC
D2	UDI-P0204	TGGCAGAG	GGCTCGAC	GTCGAGCC
E2	UDI-P0205	ATAAGGCT	AATGTGGC	GCCACATT
F2	UDI-P0206	TCTTACTC	GTCACAAG	CTTGTGAC
G2	UDI-P0207	ACATGATA	CGTAGATA	TATCTACG
H2	UDI-P0208	TTGCCTCT	TGCGGCTA	TAGCCGCA
A3	UDI-P0209	ACATTCTC	ACAACTCT	AGAGTTGT
B3	UDI-P0210	ACATATGT	GATCGCAG	CTGCGATC
C3	UDI-P0211	GTTGGTAG	TGGAACAT	ATGTTCCA
D3	UDI-P0212	ACAACCGC	CACATACC	GGTATGTG
E3	UDI-P0213	AAGCAGAC	GCTAAGAA	TTCTTAGC
F3	UDI-P0214	ACAAGGTG	CTTAACCA	TGGTTAAG
G3	UDI-P0215	ACAAGAGT	GCCTTCAA	TTGAAGGC
H3	UDI-P0216	TTGGAATT	AACTGGAA	TTCCAGTT
A4	UDI-P0217	ATAACAGA	AATGGAAG	CTTCCATT
B4	UDI-P0218	TATTGTCG	TTCAATTC	GAATTGAA
C4	UDI-P0219	ACAATGCC	CGTCCTTA	TAAGGACG
D4	UDI-P0220	TATGGTTC	CACCGGTA	TACCGGTG
E4	UDI-P0221	AGCCACAG	AGGAACCA	TGGTTCCT
F4	UDI-P0222	GCTATCGA	GATCTTCC	GGAAGATC
G4	UDI-P0223	AGCGCTCG	CGGCTTGT	ACAAGCCG
H4	UDI-P0224	TGCGCTTC	GCCGACAC	GTGTCGGC
A5	UDI-P0225	TCTACGCC	CGGCGTAC	GTACGCCG
B5	UDI-P0226	TATCACAA	GCCTCATT	AATGAGGC



C5	UDI-P0227	AGCTTGGT	CGGCACGA	TCGTGCCG
D5	UDI-P0228	AGCTTATG	GCCTGTAG	CTACAGGC
E5	UDI-P0229	ATAACGAC	AATGGCCT	AGGCCATT
F5	UDI-P0230	GATGGAGT	TTCCAGGC	GCCTGGAA
G5	UDI-P0231	TGATCTAA	TTAACCTC	GAGGTTAA
H5	UDI-P0232	AGCTATAT	CGTTAGGA	TCCTAACG
A6	UDI-P0233	AGCAGAGA	GCCATAAT	ATTATGGC
B6	UDI-P0234	GACGTAAG	GCCAAGCC	GGCTTGGC
C6	UDI-P0235	AGGCCTGA	CTCGGTCA	TGACCGAG
D6	UDI-P0236	TAAGATTA	CGCAGGCT	AGCCTGCG
E6	UDI-P0237	AGGCGAAT	GCGTCCTC	GAGGACGC
F6	UDI-P0238	TTGTTCTT	CTACAAGT	ACTTGTAG
G6	UDI-P0239	TACTCCTG	GCGTGTCC	GGACACGC
H6	UDI-P0240	GACTGGCG	GCGACTGA	TCAGTCGC
A7	UDI-P0241	ATATATAC	AATGCTTG	CAAGCATT
B7	UDI-P0242	TAGATCGG	TTAATCAA	TTGATTAA
C7	UDI-P0243	AGGCAAGC	CTCTGGAC	GTCCAGAG
D7	UDI-P0244	TCCAGGTA	GCTCCAGT	ACTGGAGC
E7	UDI-P0245	AGGTCAAG	CGCGTTAT	ATAACGCG
F7	UDI-P0246	TACACTGG	GCTCAATC	GATTGAGC
G7	UDI-P0247	TCCTTGCG	CGCATGTG	CACATGCG
H7	UDI-P0248	AGGACCTC	GCTGCCAA	TTGGCAGC
A8	UDI-P0249	TAAGCATT	CGAACTAT	ATAGTTCG
B8	UDI-P0250	AGGATATT	GCTGTCTC	GAGACAGC
C8	UDI-P0251	TCATTCGG	CGACGGTT	AACCGTCG
D8	UDI-P0252	AGTCCGAC	GCTTCACA	TGTGAAGC
E8	UDI-P0253	ATATTACA	AATGCGCA	TGCGCATT
F8	UDI-P0254	TCTCCGTG	TGAATCGT	ACGATTCA
G8	UDI-P0255	TAATAGGA	CTAACCCAG	CTGGTTAG
H8	UDI-P0256	TTGTAAGA	GCTTGTGA	TCACAAGC
A9	UDI-P0257	GAATGTAA	CTGGCACT	AGTGCCAG
B9	UDI-P0258	AGTCAATT	GCACGGTC	GACCGTGC
C9	UDI-P0259	GAACAATT	CTTGGATT	AATCCAAG
D9	UDI-P0260	AGTGGTCA	GCACATCA	TGATGTGC
E9	UDI-P0261	TACAATAT	CTTCAATA	TATTGAAG
F9	UDI-P0262	AGTGTGAG	GCAGGTAT	ATACCTGC
G9	UDI-P0263	GAACCTTA	CTGAGTCC	GGACTCAG
H9	UDI-P0264	AGTGTACT	GCATACTT	AAGTATGC
A10	UDI-P0265	TATACCAT	AATGCCAC	GTGGCATT



B10	UDI-P0266	ATCGTGGA	GGCCGTTG	CAACGGCC
C10	UDI-P0267	GCAAGACA	GCATAGAC	GTCTATGC
D10	UDI-P0268	TACAGGCC	CATTCGCC	GGCGAATG
E10	UDI-P0269	AGTTCCGT	GGCCGCGT	ACGCGGCC
F10	UDI-P0270	TCAATTAT	CCTGAAGG	CCTTCAGG
G10	UDI-P0271	AGTTCATA	GGCCTTCA	TGAAGGCC
H10	UDI-P0272	TCACCGGC	GGCTTACT	AGTAAGCC
A11	UDI-P0273	TACAACTA	CCGGTCTG	CAGACCGG
B11	UDI-P0274	AGTTGGCT	GGCACTCC	GGAGTGCC
C11	UDI-P0275	TACGTCTC	CATGTCGT	ACGACATG
D11	UDI-P0276	AGTACGCG	GGCAATAA	TTATTGCC
E11	UDI-P0277	TATACATC	AATCTGAA	TTCAGATT
F11	UDI-P0278	ATCGTTAG	TGCGAAGT	ACTTCGCA
G11	UDI-P0279	GAATTACG	CAAGGAGA	TCTCCTTG
H11	UDI-P0280	AGTACTGC	GGTCTTAG	CTAAGACC
A12	UDI-P0281	TACTAACG	CAAGTAAT	ATTACTTG
B12	UDI-P0282	AGTATGTC	GGTCAGTA	TACTGACC
C12	UDI-P0283	TAAGTGTG	CCAGTCAC	GTGACTGG
D12	UDI-P0284	ATATAAGG	GGTCATGT	ACATGACC
E12	UDI-P0285	ATAGAATA	CAACGACC	GGTCGTTG
F12	UDI-P0286	TCTAGAGA	GGTTCTTG	CAAGAACC
G12	UDI-P0287	ATAGGCCA	CAACATAC	GTATGTTG
H12	UDI-P0288	ATAGCGGT	GGTTGATT	AATCAACC



Plate D (Index 289-384)

Position	Index_ID	i7 Index Sequence when sequencing	i5 Index Sequence when sequencing	
			NovaSeq V1.0 reagents, MiSeq, HiSeq2000/2500	NovaSeq V1.5 reagents, MiniSeq, NextSeq, HiSeq3000/4000
A1	UDI-P0289	ATATCCTA	AATAATAG	CTATTATT
B1	UDI-P0290	GATAGGAT	GTCGGATA	TATCCGAC
C1	UDI-P0291	ATACTGCG	CACATTGT	ACAATGTG
D1	UDI-P0292	TCTTCCGA	GGTTACAA	TTGTAACC
E1	UDI-P0293	ATACCTAT	CACGAATT	AATTCGTG
F1	UDI-P0294	TCGTTATA	GGTATGCA	TGCATACC
G1	UDI-P0295	TAATTAGT	CAGGACCT	AGGTCCTG
H1	UDI-P0296	ATTATTCTG	GGACTGGC	GCCAGTCC
A2	UDI-P0297	TAATAATC	CAGAGCGA	TCGCTCTG
B2	UDI-P0298	ATTATCGC	GGAGCTAG	CTAGCTCC
C2	UDI-P0299	TAATATAG	CAGCTTAG	CTAAGCTG
D2	UDI-P0300	ATTAGACA	CCGCCAAC	GTTGGCGG
E2	UDI-P0301	ATAGATCT	CCTATGCG	CGCATAGG
F2	UDI-P0302	TAGAGCTC	GGATCCGA	TCGGATCC
G2	UDI-P0303	ATTACAAT	GGATTGTT	AACAATCC
H2	UDI-P0304	ATTGAAGT	CAGGTGAA	TTCACCTG
A3	UDI-P0305	ATTGATTC	GGAACATT	AATGTTCC
B3	UDI-P0306	TAACTAAG	CAAGACTC	GAGTCTTG
C3	UDI-P0307	ATTGACAA	GTGCGGCG	CGCCGCAC
D3	UDI-P0308	ATTGTGTT	CAATCTTC	GAAGATTG
E3	UDI-P0309	ATTGCTGA	GTGCTCAG	CTGAGCAC
F3	UDI-P0310	TACATCCT	CAACGCAT	ATGCGTTG
G3	UDI-P0311	ATTCACGG	GTGTAGGC	GCCTACAC
H3	UDI-P0312	TAATTGAC	CAACTATA	TATAGTTG
A4	UDI-P0313	ATAGTCTG	GCATTGCA	TGCAATGC
B4	UDI-P0314	TATAAGAC	CTTACATG	CATGTAAG
C4	UDI-P0315	ATTCTTAC	GTGTATAG	CTATACAC
D4	UDI-P0316	TAAGAAGG	AATCACTC	GAGTGATT
E4	UDI-P0317	ATTCTCTA	CACTATCT	AGATAGTG
F4	UDI-P0318	ATTCGATG	GTGATCTC	GAGATCAC
G4	UDI-P0319	TAAGCTAC	CAATCCGT	ACGGATTG
H4	UDI-P0320	ATTCGTGT	GTTTCGTC	TGACGAAC
A5	UDI-P0321	ATGAATAT	CCACTTAA	TTAAGTGG



B5	UDI-P0322	ATGAAGGA	GTTGAATG	CATTCAAC
C5	UDI-P0323	ATGAACTG	CCAGCAAG	CTTGCTGG
D5	UDI-P0324	ATGAGCAC	GTTAGTTC	GAACTAAC
E5	UDI-P0325	ATAGGAAT	CCAGGCTA	TAGCCTGG
F5	UDI-P0326	TAGACGGC	GGTCCGCT	AGCGGACC
G5	UDI-P0327	GAATAGTG	CACTTCCA	TGGAAGTG
H5	UDI-P0328	ATGACACC	GTTAAGTT	AACTTAAC
A6	UDI-P0329	ATGACGTT	AATCTAGT	ACTAGATT
B6	UDI-P0330	ATGTATTA	GTTAATGA	TCATTAAC
C6	UDI-P0331	ATGTACCT	CATACCTA	TAGGTATG
D6	UDI-P0332	TCAATGGA	GTATGAGT	ACTCATAAC
E6	UDI-P0333	ATGTTGAG	CTTGCGTA	TACGCAAG
F6	UDI-P0334	TAACCAGA	GACCGAAT	ATTCGGTC
G6	UDI-P0335	ATGTGATT	CGTACTT	AAGTAACG
H6	UDI-P0336	TAACAGCC	GACCTGAC	GTCAGGTC
A7	UDI-P0337	TATCTGTC	TTCGGCAT	ATGCCGAA
B7	UDI-P0338	AGATAACT	CCGAAGGC	GCCTTCGG
C7	UDI-P0339	ATGTGGCA	GACCATGA	TCATGGTC
D7	UDI-P0340	TAACACTG	GACGTGCA	TGCACGTC
E7	UDI-P0341	ATGTCTGG	CGGCGACA	TGTCGCCG
F7	UDI-P0342	TCAAGCAC	GACTAGGT	ACCTAGTC
G7	UDI-P0343	ATGGTAAC	CGGTAGAC	GTCTACCG
H7	UDI-P0344	ATGGTTCA	GACAGCTT	AAGCTGTC
A8	UDI-P0345	TCCAACGG	CGCTCGCA	TGCGAGCG
B8	UDI-P0346	GAACAGAA	GAGATAGT	ACTATCTC
C8	UDI-P0347	ATGGCCAG	AACACTAC	GTAGTGTT
D8	UDI-P0348	TCACGTGA	GTGTGCGG	CCGCACAC
E8	UDI-P0349	ATACAACC	ACCGTGTG	CACACGGT
F8	UDI-P0350	TATGTTGG	TGGACACA	TGTGTCCA
G8	UDI-P0351	ATGCTAGA	AACTACTT	AAGTAGTT
H8	UDI-P0352	ATGCTGTC	TTGAGGAA	TTCCTCAA
A9	UDI-P0353	GATTGACC	AACTTAAT	ATTAAGTT
B9	UDI-P0354	ATCATACT	TTGACTTA	TAAGTCAA
C9	UDI-P0355	ATCAGCTA	AACTTGCC	GGCAAGTT
D9	UDI-P0356	ATCACGCA	GTGCACGT	ACGTGCAC
E9	UDI-P0357	GAGTTCTG	AACTTCGG	CCGAAGTT
F9	UDI-P0358	ATCACCGT	TGTACGAA	TTCGTACA
G9	UDI-P0359	TCTTGAA	AACTCAGC	GCTGAGTT
H9	UDI-P0360	ATCTAATC	TGTATTCT	AGAATACA



A10	UDI-P0361	ATACATGA	GTCGTCGG	CCGACGAC
B10	UDI-P0362	TATTGAAT	CCGACGCA	TGCGTCGG
C10	UDI-P0363	GCTAGTCT	AACGAAGA	TCTTCGTT
D10	UDI-P0364	ATCTAGCG	TGTCGGAT	ATCCGACA
E10	UDI-P0365	TCTCGCTA	AACGACCG	CGGTCGTT
F10	UDI-P0366	ATCTGAAG	TGTCGTGC	GCACGACA
G10	UDI-P0367	TCTAATGC	AACGTCAA	TTGACGTT
H10	UDI-P0368	GATAGCGC	TGTAAGGT	ACCTTACA
A11	UDI-P0369	TATAGTGT	AACGGATC	GATCCGTT
B11	UDI-P0370	TATCAAGC	TTGAATCG	CGATTCAA
C11	UDI-P0371	ATCGCATT	AACGGTGT	ACACCGTT
D11	UDI-P0372	ATCCAGAA	AACCAAGT	CACTGGTT
E11	UDI-P0373	ATACTATT	AATATAAC	GTTATATT
F11	UDI-P0374	GATGATAC	GCGCGGTG	CACGCGCC
G11	UDI-P0375	GCGGTATT	TTGTTACC	GGTAACAA
H11	UDI-P0376	ATCCGTTC	AACCTTGC	GCAAGGTT
A12	UDI-P0377	AGAATTCA	TGTGCAAT	ATTGCACA
B12	UDI-P0378	TATGACTT	AACCGAGG	CCTCGGTT
C12	UDI-P0379	GAGTCAGA	TTGGATAC	GTATCCAA
D12	UDI-P0380	AGAAGACG	AACCGCAC	GTGCGGTT
E12	UDI-P0381	AGAAGCTT	TGTTAGTG	CACTAACA
F12	UDI-P0382	GAGTAGCA	TATTCGTA	TACGAATA
G12	UDI-P0383	AGAACCAA	ATAATTGT	ACAATTAT
H12	UDI-P0384	GCTTGGTG	TAGTCCAA	TTGGACTA

Notes

1. The concentration of PE adapters in these kits is 15μM, the concentration UDI Primers are 12.5μM; The amounts of adapters and primers when construct a single library should be adjusted according to the Library preparation Kit protocol.
2. The PE adapters provided in these kits are universal adapters that require PCR amplification to obtain a complete library.
3. Do not heat the adapters. They should be dissolved slowly on ice. It is best to set the laboratory temperature at 20-25°C. Avoid repeated freezing and thawing of the adapters. It is recommended to store them in separate packs. The adapters can be stored at 4°C for a short time.
4. For your safety and health, please wear experimental clothes and disposable gloves.
5. For research use only.