

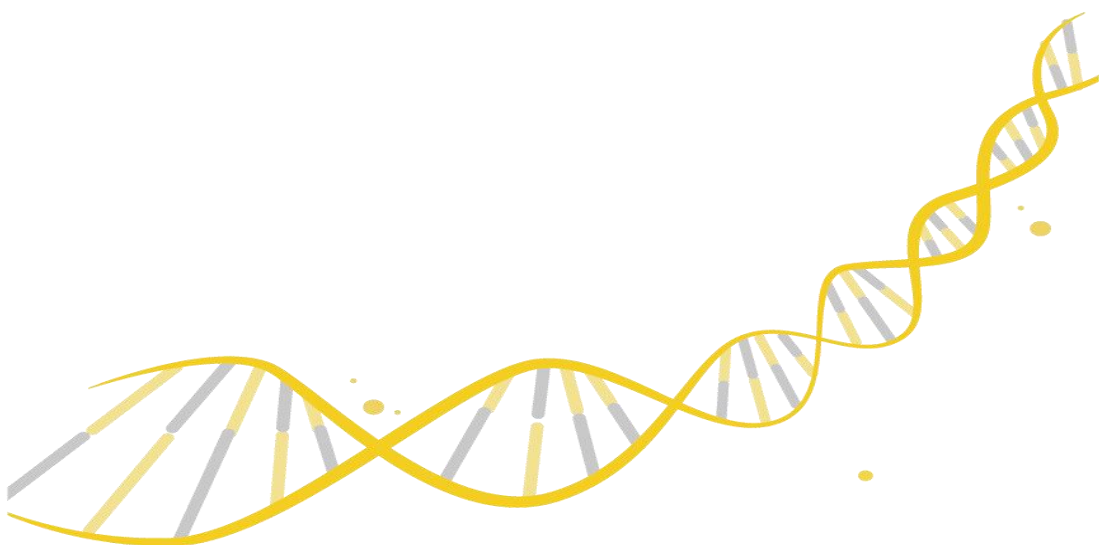
# **Truncated DNA Adapter (UDI) Plate for MGI**

**RK21721 Set\_A (96 indices)**

**RK21722 Set\_B (96 indices)**

**RK21723 Set\_C (96 indices)**

**RK21724 Set\_D (96 indices)**



**[www.abclonal.com.cn](http://www.abclonal.com.cn)**

version: N17F07v1.0

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# 1. Introduction

ABclonal Truncated DNA Adapter (UDI) Plate for MGI contains universal truncated adapters and Unique Dual Index (UDI) primers for sample preparation for Next Generation Sequencing on MGI platform. The Set\_A provides 96 unique primer pairs (MGI UDI Primers 1-96); the Set\_B provides 96 unique primer pairs (MGI UDI Primers 97-192); Set\_C provides 96 unique primer pairs (MGI UDI Primers 193-288); Set\_B provides 96 unique primer pairs (MGI UDI Primers 289-384).

The kit can not be used to perform PCR-Free DNA lib preparation and 2-3 cycles of amplification are necessary. The kit does not contain MGI Truncated Adapter A7(ABclonal CAT.NO.RK21720).

## 2. Components

	Cat.No	Size	UDI Primers Number
Truncated DNA Adapter (UDI) Plate for MGI Set A (UDI Primers 1-96)	RK21721	25 µL	1-96
Truncated DNA Adapter (UDI) Plate for MGI Set B (UDI Primers 97-192)	RK21722	25 µL	97-192
Truncated DNA Adapter (UDI) Plate for MGI Set C (UDI Primers 193-288)	RK21723	25 µL	193-288
Truncated DNA Adapter (UDI) Plate for MGI Set D (UDI Primers 289-384)	RK21724	25 µL	289-384

Note: 8 MGI UDI Primers is a set of preset balanced base Barcode

combinations, such as MGI UDI Primers 001- MGI UDI Primers 008; MGI UDI Primers 009- MGI UDI Primers 016.

**Truncated DNA Adapter (UDI) Plate for MGI Set A (UDI Primers 1-96)**

	1	2	3	4	5	6	7	8	9	10	11	12
A	001	009	017	025	033	041	049	057	065	073	081	089
B	002	010	018	026	034	042	050	058	066	074	082	090
C	003	011	019	027	035	043	051	059	067	075	083	091
D	004	012	020	028	036	044	052	060	068	076	084	092
E	005	013	021	029	037	045	053	061	069	077	085	093
F	006	014	022	030	038	046	054	062	070	078	086	094
G	007	015	023	031	039	047	055	063	071	079	087	095
H	008	016	024	032	040	048	056	064	072	080	088	096

**Truncated DNA Adapter (UDI) Plate for MGI Set B (UDI Primers 97-192)**

	1	2	3	4	5	6	7	8	9	10	11	12
A	097	105	113	121	129	137	145	153	161	169	177	185
B	098	106	114	122	130	138	146	154	162	170	178	186
C	099	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

### Truncated DNA Adapter (UDI) Plate for MGI Set C (UDI Primers 193-288)

	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

### Truncated DNA Adapter (UDI) Plate for MGI Set D (UDI Primers 289-384)

	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	385	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	386
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

## 3. Storage

All components should be stored at -20°C. The shelf life of each reagent is one year when stored properly.

## 4. Applications

Rapid DNA Lib Prep kit;  
Rapid Plus DNA Lib Prep kit;  
Rapid Plus DNA Lib Prep Kit for MGI V2;  
ABclonal Whole RNA-seq Lib Prep kit;  
mRNA-seq Lib Prep Kit;  
Fast RNA Lib Prep Kit.

## 5. Directions for use

1. Thaw the Truncated Adapter and MGI UDI Primers at room temperature. Briefly vortex to mix, then centrifuge each for 30 seconds to collect the reagent at the bottom of the tubes.

2. Use best-practice laboratory reagent handling strategies to prevent cross-contamination during handling and sample preparation.

3. Perform TA-ligation using the included Truncated Adapter using the protocol outlined by the library prep kit.

4. Perform indexing PCR using MGI UDI Primers using the protocol outlined by the library prep kit.

5. Optimal working concentration of Truncated Adapter is dependent upon the library preparation protocol. If necessary, Truncated Adapters can

be diluted with TE buffer (not provided) immediately prior to use. Do not mix adapter with ligation enzymes prior to use.

## 6. Sequence

Taking MGI UDI Primers 1 as an example, the library structure constructed is as follows:

```
5 ' GCATGGCGACCTTATCAGCATCACTCACCTTGTCTTCTTAAGACCGCTTGGCCTCCGACTT---NNNNNNN ---  
AAGTCGGATCGTAGCCATGTCGTTCTGTGAGCCAAGGAGTTGTTGTCCTCTAAACTGCTGACGTACTGAGAG  
3 ' CGTACCGCTGGAATAGTCGTAGTGAGTGAACAGAAGGATTCTGGCGAACCGGAGGCTGAA --- NNNNNNN ---  
TTCAGCCTAGCATCGGTACAGCAAGACACTCGGTTCTCAACAACAGGAGATTGACGACTGCATGACTCTCp
```

Note:

Barcode 1:



Insert:



Barcode 2:



### Truncated DNA Adapter (UDI) Plate for MGI Set A (UDI Primers 1-96)

Loci	MGI UDI Primers NO.	Barcode 1	Barcode 2
<b>A1</b>	MGI UDI Primers 001	GTGAGTGATG	TAGAGGACAA
<b>B1</b>	MGI UDI Primers 002	GAGTCAGCTG	CCTAGCGAAT
<b>C1</b>	MGI UDI Primers 003	TGTCTGCGAA	GTAGTCATCG
<b>D1</b>	MGI UDI Primers 004	ATTGGTACAA	GCTGAGCTGT
<b>E1</b>	MGI UDI Primers 005	CGATTGTGGT	AACCTAGATA
<b>F1</b>	MGI UDI Primers 006	ACAGACTTCC	TTGCCATCTC
<b>G1</b>	MGI UDI Primers 007	TCCCACTCT	AGATCTTGCG
<b>H1</b>	MGI UDI Primers 008	CACCACAAGC	CGCTATCGGC
<b>A2</b>	MGI UDI Primers 009	TAGAGGACAA	GCAACGATGG
<b>B2</b>	MGI UDI Primers 010	CCTAGCGAAT	TAATCGTTCA
<b>C2</b>	MGI UDI Primers 011	GTAGTCATCG	GTTGCTCTA
<b>D2</b>	MGI UDI Primers 012	GCTGAGCTGT	TCTCACACAT
<b>E2</b>	MGI UDI Primers 013	AACCTAGATA	CTGTTAGGAT
<b>F2</b>	MGI UDI Primers 014	TTGCCATCTC	CGCAGACGCG
<b>G2</b>	MGI UDI Primers 015	AGATCTTGCG	AAGGATCATC
<b>H2</b>	MGI UDI Primers 016	CGCTATCGGC	AGCGTTGAGC
<b>A3</b>	MGI UDI Primers 017	GCAACGATGG	TTAGATGCAT
<b>B3</b>	MGI UDI Primers 018	TAATCGTTCA	GTCCAGAGCT
<b>C3</b>	MGI UDI Primers 019	GTTGCTCTA	CACGTGATAG
<b>D3</b>	MGI UDI Primers 020	TCTCACACAT	CCACTAGTCC
<b>E3</b>	MGI UDI Primers 021	CTGTTAGGAT	TGGACTTGGC
<b>F3</b>	MGI UDI Primers 022	CGCAGACGCG	GCTTGACAGG
<b>G3</b>	MGI UDI Primers 023	AAGGATCATC	AAGACCTCTA
<b>H3</b>	MGI UDI Primers 024	AGCGTTGAGC	AGTTGCCATA



<b>A4</b>	MGI UDI Primers 025	TTAGATGCAT	ATGTACGCAG
<b>B4</b>	MGI UDI Primers 026	GTCCAGAGCT	TTAATGAGAT
<b>C4</b>	MGI UDI Primers 027	CACGTGATAG	TGCGCCACTT
<b>D4</b>	MGI UDI Primers 028	CCACTAGTCC	CATTAAGGCC
<b>E4</b>	MGI UDI Primers 029	TGGACTIONGGC	CCGCCTCAGA
<b>F4</b>	MGI UDI Primers 030	GCTTGACAGG	AATCGGCTCG
<b>G4</b>	MGI UDI Primers 031	AAGACCTCTA	GCCGGTTATC
<b>H4</b>	MGI UDI Primers 032	AGTTGCCATA	GGAATATTGA
<b>A5</b>	MGI UDI Primers 033	ATGTACGCAG	ATTCAACGGA
<b>B5</b>	MGI UDI Primers 034	TTAATGAGAT	AACTGTACTG
<b>C5</b>	MGI UDI Primers 035	TGCGCCACTT	GTACCTCAAT
<b>D5</b>	MGI UDI Primers 036	CATTAAGGCC	GACTTCTAAT
<b>E5</b>	MGI UDI Primers 037	CCGCCTCAGA	TGAAGCGTTG
<b>F5</b>	MGI UDI Primers 038	AATCGGCTCG	CGTGCGATCC
<b>G5</b>	MGI UDI Primers 039	GCCGGTTATC	TCGGAAGGCA
<b>H5</b>	MGI UDI Primers 040	GGAATATTGA	CCGATGTCGC
<b>A6</b>	MGI UDI Primers 041	ATTCAACGGA	ACTTAGAATG
<b>B6</b>	MGI UDI Primers 042	AACTGTACTG	TCCAAGCCTG
<b>C6</b>	MGI UDI Primers 043	GTACCTCAAT	AGACGATGAT
<b>D6</b>	MGI UDI Primers 044	GACTTCTAAT	CTCACAAGAC
<b>E6</b>	MGI UDI Primers 045	TGAAGCGTTG	CGTTCCTACT
<b>F6</b>	MGI UDI Primers 046	CGTGCGATCC	GTGGTTGTGA
<b>G6</b>	MGI UDI Primers 047	TCGGAAGGCA	GAAGGCCTGC
<b>H6</b>	MGI UDI Primers 048	CCGATGTCGC	TAGCTTGCCA
<b>A7</b>	MGI UDI Primers 049	ACTTAGAATG	GACAATGCTC
<b>B7</b>	MGI UDI Primers 050	TCCAAGCCTG	GCTAATCACA
<b>C7</b>	MGI UDI Primers 051	AGACGATGAT	AGTCCATAGG

<b>D7</b>	MGI UDI Primers 052	CTCACAAGAC	CTATCGCCTA
<b>E7</b>	MGI UDI Primers 053	CGTTCCTACT	ATCGTGGTCT
<b>F7</b>	MGI UDI Primers 054	GTGGTTGTGA	TGGCTAATAC
<b>G7</b>	MGI UDI Primers 055	GAAGGCCTGC	CAGTGCAGAG
<b>H7</b>	MGI UDI Primers 056	TAGCTTGCCA	TCAGGCTGGT
<b>A8</b>	MGI UDI Primers 057	GACAATGCTC	ATACTCACGC
<b>B8</b>	MGI UDI Primers 058	GCTAATCACA	ATGCTCCGCG
<b>C8</b>	MGI UDI Primers 059	AGTCCATAGG	TGTGAACTTG
<b>D8</b>	MGI UDI Primers 060	CTATCGCCTA	GAGAGGTGCT
<b>E8</b>	MGI UDI Primers 061	ATCGTGGTCT	TGCACTGTAA
<b>F8</b>	MGI UDI Primers 062	TGGCTAATAC	GCCTAGGCAA
<b>G8</b>	MGI UDI Primers 063	CAGTGCAGAG	CCATCATAGC
<b>H8</b>	MGI UDI Primers 064	TCAGGCTGGT	CATGGTAATT
<b>A9</b>	MGI UDI Primers 065	ATACTCACGC	CACCATGTCT
<b>B9</b>	MGI UDI Primers 066	ATGCTCCGCG	ATATGTCTGG
<b>C9</b>	MGI UDI Primers 067	TGTGAACTTG	AAGGAAGCGT
<b>D9</b>	MGI UDI Primers 068	GAGAGGTGCT	TCAAGACGTC
<b>E9</b>	MGI UDI Primers 069	TGCACTGTAA	CCGCTCAGTA
<b>F9</b>	MGI UDI Primers 070	GCCTAGGCAA	GGTGTGTACA
<b>G9</b>	MGI UDI Primers 071	CCATCATAGC	TTCACGTAAG
<b>H9</b>	MGI UDI Primers 072	CATGGTAATT	GGTCCACAC
<b>A10</b>	MGI UDI Primers 073	CACCATGTCT	AGGTATTCTT
<b>B10</b>	MGI UDI Primers 074	ATATGTCTGG	CGAATGCAAC
<b>C10</b>	MGI UDI Primers 075	AAGGAAGCGT	TTCAACGGCG
<b>D10</b>	MGI UDI Primers 076	TCAAGACGTC	CTCGGCGGAA
<b>E10</b>	MGI UDI Primers 077	CCGCTCAGTA	ACGTAATGG
<b>F10</b>	MGI UDI Primers 078	GGTGTGTACA	GATCCGACGT

<b>G10</b>	MGI UDI Primers 079	TTCACGTAAG	TCACGATACA
<b>H10</b>	MGI UDI Primers 080	GGTTCCACAC	GATTCTCTTC
<b>A11</b>	MGI UDI Primers 081	AGCTGCGCAC	ATTCAAGTTC
<b>B11</b>	MGI UDI Primers 082	GATTAATGAA	ACGGCTCCG
<b>C11</b>	MGI UDI Primers 083	CCAATGCTTG	CAATGGCAGA
<b>D11</b>	MGI UDI Primers 084	TTGCCTATGT	GGCATCAGAT
<b>E11</b>	MGI UDI Primers 085	AACGCTCACG	TAACCTGAAC
<b>F11</b>	MGI UDI Primers 086	CCGATCGGCC	CCGTAGATCA
<b>G11</b>	MGI UDI Primers 087	TTAGGAACTA	TGTATATCGG
<b>H11</b>	MGI UDI Primers 088	GGTCAGTAGT	GTCGGCCGTT
<b>A12</b>	MGI UDI Primers 089	TGCCGGATCA	TGCATGACGA
<b>B12</b>	MGI UDI Primers 090	ACTCATGACC	GCATAGCGTA
<b>C12</b>	MGI UDI Primers 091	CAAGTCTCAT	AAGCCTGTAG
<b>D12</b>	MGI UDI Primers 092	GTGACATGTG	CTTGGATACT
<b>E12</b>	MGI UDI Primers 093	AAGTACCTGG	AACTACGTCC
<b>F12</b>	MGI UDI Primers 094	CCTATAGCAC	CCGGTCTAAC
<b>G12</b>	MGI UDI Primers 095	TTCGGTCAGT	TTACGACCGG
<b>H12</b>	MGI UDI Primers 096	GGATCGAGTA	GGTACTAGTT

## Truncated DNA Adapter (UDI) Plate for MGI Set B (UDI Primers 97-192)

<b>Loci</b>	<b>MGI UDI Primers NO.</b>	<b>Barcode 1</b>	<b>Barcode 2</b>
<b>A1</b>	MGI UDI Primers 097	AGGACGTAGA	TATGGCACTG
<b>B1</b>	MGI UDI Primers 098	CTGAACCGAA	GTTAGGTAGG
<b>C1</b>	MGI UDI Primers 099	GAACGTGTCG	ACACATGTCA
<b>D1</b>	MGI UDI Primers 100	TCCGTGACTC	AAGCTCTGTC
<b>E1</b>	MGI UDI Primers 101	AATTCAGTGT	CGCTCACGAT
<b>F1</b>	MGI UDI Primers 102	CCTGAAGGAT	CCAGAGATCT
<b>G1</b>	MGI UDI Primers 103	TTCCTTACTG	GTGATTGCAC
<b>H1</b>	MGI UDI Primers 104	GGATGCTACC	TGCTCACAGA
<b>A2</b>	MGI UDI Primers 105	CGACGATATG	GTGATCTAGA
<b>B2</b>	MGI UDI Primers 106	GACGGTCGAG	TCTGTATAGT
<b>C2</b>	MGI UDI Primers 107	ACGAAGGTCC	AACCGTCGTC
<b>D2</b>	MGI UDI Primers 108	TTAACGACGA	CGATAGGTCG
<b>E2</b>	MGI UDI Primers 109	AATCCGAGT	AACGCAACTA
<b>F2</b>	MGI UDI Primers 110	CCTGTAACCA	CCATACATAT
<b>G2</b>	MGI UDI Primers 111	TTGCTTCGTT	TTGAGTCGAC
<b>H2</b>	MGI UDI Primers 112	GGCTACTTAC	GGTCCGGCCG
<b>A3</b>	MGI UDI Primers 113	TAATGGCCTT	AGAGTACGAC
<b>B3</b>	MGI UDI Primers 114	GTGACCGGTA	ATCGAAGGTA
<b>C3</b>	MGI UDI Primers 115	ACCGATTAGG	CAGACGTTGG
<b>D3</b>	MGI UDI Primers 116	CGTCTGATAT	GCTCGTAACT
<b>E3</b>	MGI UDI Primers 117	AACGCATTCC	TAATCTACTT
<b>F3</b>	MGI UDI Primers 118	CCGAGAGACC	CCGTACCTGA
<b>G3</b>	MGI UDI Primers 119	TGATTCCGAG	GTCATGGACG

<b>H3</b>	MGI UDI Primers 120	G TTCATACGA	TGTCGCTCAC
<b>A4</b>	MGI UDI Primers 121	TAGACTGATC	TCGATCGAGT
<b>B4</b>	MGI UDI Primers 122	GATTCCATGA	AGTAAGCCGG
<b>C4</b>	MGI UDI Primers 123	ACACAGTGCT	CAACCTTGCC
<b>D4</b>	MGI UDI Primers 124	CGCGTACCAG	GTCGGAATTA
<b>E4</b>	MGI UDI Primers 125	ATACGCTAGA	AACTACTGAG
<b>F4</b>	MGI UDI Primers 126	CCGGATACTC	CCATCGGAAT
<b>G4</b>	MGI UDI Primers 127	TGCTTGCGCG	TTGGTTCCTA
<b>H4</b>	MGI UDI Primers 128	GTTAGAGTAT	GGTCGAATCC
<b>A5</b>	MGI UDI Primers 129	TGCTATGCAC	GTAGGATTCC
<b>B5</b>	MGI UDI Primers 130	GTGCATAGAG	CGTCGTTGCA
<b>C5</b>	MGI UDI Primers 131	AATGCGTACT	AACTAGGCTT
<b>D5</b>	MGI UDI Primers 132	CCAGGACCTA	TCGACGCAGG
<b>E5</b>	MGI UDI Primers 133	AAGCTCATGA	AACGTCAGAC
<b>F5</b>	MGI UDI Primers 134	CCTAGAGTTG	CCATCTGATA
<b>G5</b>	MGI UDI Primers 135	TGCATCCGGT	TGTATCACGT
<b>H5</b>	MGI UDI Primers 136	GTATCGTACC	GTGCAACTAG
<b>A6</b>	MGI UDI Primers 137	GTATCGAATT	TATGGATCGT
<b>B6</b>	MGI UDI Primers 138	CGTACTACGT	AGCTGAATGG
<b>C6</b>	MGI UDI Primers 139	AACGTACTIONG	CCAACCTGGCC
<b>D6</b>	MGI UDI Primers 140	TCGCACTGAC	GTGCAGCATA
<b>E6</b>	MGI UDI Primers 141	AACTGTGTGA	AACGACCAAT
<b>F6</b>	MGI UDI Primers 142	CCGATGCACA	CCATTCGGCA
<b>G6</b>	MGI UDI Primers 143	TGTGACGCAG	TGTATGATTC
<b>H6</b>	MGI UDI Primers 144	GTACGATGTC	GTGCCTTCAG
<b>A7</b>	MGI UDI Primers 145	CTCGTTCCGG	GGCTGGCTTG
<b>B7</b>	MGI UDI Primers 146	CGTGCCAGGA	CATAGAGACG

<b>C7</b>	MGI UDI Primers 147	AAGCGATATC	ACACATTGAC
<b>D7</b>	MGI UDI Primers 148	GCAACTGTCT	TTGGTCACGT
<b>E7</b>	MGI UDI Primers 149	TAATGGTCAG	AACCTTCGGA
<b>F7</b>	MGI UDI Primers 150	ACCTAGGACC	CCGACCATCC
<b>G7</b>	MGI UDI Primers 151	TTGCACATTA	TTAGCATCAA
<b>H7</b>	MGI UDI Primers 152	GGTATACGAT	GGTTAGGATT
<b>A8</b>	MGI UDI Primers 153	CACACACAGG	GCGTCGTCTC
<b>B8</b>	MGI UDI Primers 154	TAGTGCTGTC	AATCCTAGCC
<b>C8</b>	MGI UDI Primers 155	ACACTGATAT	CGAAGCCTGT
<b>D8</b>	MGI UDI Primers 156	GGTAATGCCT	TTCGAAGTAG
<b>E8</b>	MGI UDI Primers 157	ATAGCACAGA	AACCGGTACA
<b>F8</b>	MGI UDI Primers 158	CCTGACATCG	CCATTCAATG
<b>G8</b>	MGI UDI Primers 159	TTGCTGTGAC	TTGGTAGCAA
<b>H8</b>	MGI UDI Primers 160	GGCTGTGCTA	GGTAATCGGT
<b>A9</b>	MGI UDI Primers 161	AGGCACTGCC	ACGACGAACG
<b>B9</b>	MGI UDI Primers 162	CGTCGTTAAC	ACGTCTCAAC
<b>C9</b>	MGI UDI Primers 163	GAAGTAATGT	CAACGCTGTA
<b>D9</b>	MGI UDI Primers 164	TCCAGTGCTA	GGCAAGTCGT
<b>E9</b>	MGI UDI Primers 165	ATATCGCAAG	TTAGTAGTTG
<b>F9</b>	MGI UDI Primers 166	CACGCAGTTG	CATCGTCGGT
<b>G9</b>	MGI UDI Primers 167	TTGATCCGGA	TTCGTCACAC
<b>H9</b>	MGI UDI Primers 168	GCTTAGACCT	GGTTAAGTCA
<b>A10</b>	MGI UDI Primers 169	GACAGATTGG	AGACTAAGGA
<b>B10</b>	MGI UDI Primers 170	GAATTGGCCG	GCGTGATCGT
<b>C10</b>	MGI UDI Primers 171	ACGCATCAAT	CACACTGATG
<b>D10</b>	MGI UDI Primers 172	CGTGACAGTC	TTAGAGCTAC
<b>E10</b>	MGI UDI Primers 173	TTAACTTGAA	AATCACTTCA

<b>F10</b>	MGI UDI Primers 174	ACGCGACCGT	CCGATCACAG
<b>G10</b>	MGI UDI Primers 175	TGTGTCATCA	TGTGCGCGTC
<b>H10</b>	MGI UDI Primers 176	CTCTCGGATC	GTCTGTGACT
<b>A11</b>	MGI UDI Primers 177	AGTAAGTGCT	AGATTAACCA
<b>B11</b>	MGI UDI Primers 178	TATACTGCGT	AGCTATGCCG
<b>C11</b>	MGI UDI Primers 179	CCAGTCCTTC	CAGACGTGTC
<b>D11</b>	MGI UDI Primers 180	GTCCGTAAGG	GCTCGGCAAT
<b>E11</b>	MGI UDI Primers 181	AAGTCATTAA	TTAGCCTTGG
<b>F11</b>	MGI UDI Primers 182	CCGTTGGATC	CACGAACGTC
<b>G11</b>	MGI UDI Primers 183	TTCGGACGCA	TCTCGTATGA
<b>H11</b>	MGI UDI Primers 184	GGACACACAG	GTGATCGAAT
<b>A12</b>	MGI UDI Primers 185	AGCTCTGTGT	TAGTACAGCA
<b>B12</b>	MGI UDI Primers 186	CTGACGTTAC	GGATGTGTAC
<b>C12</b>	MGI UDI Primers 187	GAACGCAGTG	ACCATGTATG
<b>D12</b>	MGI UDI Primers 188	TCTGAACCGA	CTTCCAGCGT
<b>E12</b>	MGI UDI Primers 189	AAGCTGAACC	AACGCGCTGG
<b>F12</b>	MGI UDI Primers 190	CCTATATACA	CCGAACTCAT
<b>G12</b>	MGI UDI Primers 191	TTCGGTCGTG	TGTCGTAGTC
<b>H12</b>	MGI UDI Primers 192	GGATACGCAT	GTAGTACACA

### Truncated DNA Adapter (UDI) Plate for MGI Set C (UDI Primers 193-288)

Loci	MGI UDI Primers NO.	Barcode 1	Barcode 2
<b>A1</b>	MGI UDI Primers 193	TCGATTAGGC	TGTTGGTCTG
<b>B1</b>	MGI UDI Primers 194	GGTCGTTCTT	CTCACTGTGA
<b>C1</b>	MGI UDI Primers 195	TTCTTGGTCG	TGGTGCAGTT
<b>D1</b>	MGI UDI Primers 196	CATGGACCTA	CATCCTCCAA
<b>E1</b>	MGI UDI Primers 197	GCGAACTACT	GGATACATCC
<b>F1</b>	MGI UDI Primers 198	TGACGTGGTA	ACGAGATGGA
<b>G1</b>	MGI UDI Primers 199	CTGATCTTCG	GGCTTGACAT
<b>H1</b>	MGI UDI Primers 200	TACGAGGCTA	ATAAGTGGCG
<b>A2</b>	MGI UDI Primers 201	CTTCGTCTCT	TAGCAGTTGC
<b>B2</b>	MGI UDI Primers 202	GCAGTCTATC	CGCACACAAT
<b>C2</b>	MGI UDI Primers 203	AAGCCTACAG	GCTGATAGTG
<b>D2</b>	MGI UDI Primers 204	TCCTGAGTCA	TGATTAGCGC
<b>E2</b>	MGI UDI Primers 205	CTACACTAGC	ATGCCGATCT
<b>F2</b>	MGI UDI Primers 206	GCCATTGTCT	CACGTATGGA
<b>G2</b>	MGI UDI Primers 207	TTAGGCAGAC	TGGAACCATC
<b>H2</b>	MGI UDI Primers 208	AGTCATGCTG	CCAGTATCAG
<b>A3</b>	MGI UDI Primers 209	TACGGCTACT	GACTAGCGTT
<b>B3</b>	MGI UDI Primers 210	ATTACGGCTC	ATGAGCAAGG
<b>C3</b>	MGI UDI Primers 211	GACTGCAGAA	GGTGTACTAC
<b>D3</b>	MGI UDI Primers 212	CCAATGGATG	CTGTATGACG
<b>E3</b>	MGI UDI Primers 213	AGCCGAATGT	AGTAGGCGAA
<b>F3</b>	MGI UDI Primers 214	GAAGAGTACC	CAGGCATTCT
<b>G3</b>	MGI UDI Primers 215	ACGCGTCTAA	GCCAATCCAA
<b>H3</b>	MGI UDI Primers 216	GTTGTCAGGT	CAATCCGTCT



<b>A4</b>	MGI UDI Primers 217	CCATGTTACC	GTGGTATAGG
<b>B4</b>	MGI UDI Primers 218	GAGGACCTTA	AGACAGG TTC
<b>C4</b>	MGI UDI Primers 219	CTACTGGCAT	GACAGACACA
<b>D4</b>	MGI UDI Primers 220	ACGTCTAGCA	TTATCCTCGG
<b>E4</b>	MGI UDI Primers 221	CTAAGCGTTC	ACCAGACTTC
<b>F4</b>	MGI UDI Primers 222	TCCGTACAGT	CATGAGACGT
<b>G4</b>	MGI UDI Primers 223	GATAGTACCG	TCCTCCTATG
<b>H4</b>	MGI UDI Primers 224	CCAGCACTTA	GGAGAACTGT
<b>A5</b>	MGI UDI Primers 225	ATGTAGACGC	CACAGTTGTG
<b>B5</b>	MGI UDI Primers 226	TGAGCATGTG	TCAGCGAACT
<b>C5</b>	MGI UDI Primers 227	CTTCACACCT	CTGTGATTGC
<b>D5</b>	MGI UDI Primers 228	AACGTTGTC	TGACACGAAG
<b>E5</b>	MGI UDI Primers 229	CCTACATCGT	CATAGGTTCC
<b>F5</b>	MGI UDI Primers 230	GGAGTTAGCA	TTGCACGCTT
<b>G5</b>	MGI UDI Primers 231	TACTACCAGC	AGCGTATTCG
<b>H5</b>	MGI UDI Primers 232	CGTCGGATTA	GCTACCAAGA
<b>A6</b>	MGI UDI Primers 233	ATCACTCGCT	CAACATTCCG
<b>B6</b>	MGI UDI Primers 234	TCGTTGTTTC	GCGTGACATT
<b>C6</b>	MGI UDI Primers 235	CTAACGCAGT	TTCGACTGGA
<b>D6</b>	MGI UDI Primers 236	TCTCGATGTC	GCTTGAACAC
<b>E6</b>	MGI UDI Primers 237	GTAGTGGTGA	CTAGATCGGA
<b>F6</b>	MGI UDI Primers 238	CGGAATAGCT	GACATGTCTG
<b>G6</b>	MGI UDI Primers 239	TAAGCGGTAG	CCTCAAGTCA
<b>H6</b>	MGI UDI Primers 240	GCCTACACTT	TACGCTAGGT
<b>A7</b>	MGI UDI Primers 241	TTGCTGCAGA	CTGCGAGATA
<b>B7</b>	MGI UDI Primers 242	GAAGGATGAC	ACTATCCTGG
<b>C7</b>	MGI UDI Primers 243	TCGTATGCGA	GGCTCTTACT

<b>D7</b>	MGI UDI Primers 244	GAAGCCAGTT	TCGGAGAGAA
<b>E7</b>	MGI UDI Primers 245	TCGCTATAACC	GTCACCGATT
<b>F7</b>	MGI UDI Primers 246	AGTGCGATAG	CCACTTCTAC
<b>G7</b>	MGI UDI Primers 247	GTCCTTGCTA	TGCAGATCGA
<b>H7</b>	MGI UDI Primers 248	TATAGCCGGT	CCATCTAGTG
<b>A8</b>	MGI UDI Primers 249	CTCGAAGCAA	ATCGAGGTGT
<b>B8</b>	MGI UDI Primers 250	GCACTGAGTT	GAGACACGAA
<b>C8</b>	MGI UDI Primers 251	TAGTGCTCCA	TGCCTGGATT
<b>D8</b>	MGI UDI Primers 252	AGCACTAAGG	GCATAACGCA
<b>E8</b>	MGI UDI Primers 253	CCTGAGTGTA	TTGGCTGTTG
<b>F8</b>	MGI UDI Primers 254	TTGTGACCAG	GCACACTGAA
<b>G8</b>	MGI UDI Primers 255	AGAGCTAACC	CAGATTGTGC
<b>H8</b>	MGI UDI Primers 256	CAGCAACTTG	TGCCAACGTA
<b>A9</b>	MGI UDI Primers 257	AGATCCGAGA	GAGGTGATAC
<b>B9</b>	MGI UDI Primers 258	GTGCTTCGAT	CGTAACTACG
<b>C9</b>	MGI UDI Primers 259	CATGCCAACA	TACCGTCTGA
<b>D9</b>	MGI UDI Primers 260	ACCTGTGGTT	CTGACATCTG
<b>E9</b>	MGI UDI Primers 261	CAGAACTCGA	TGACGGCTAT
<b>F9</b>	MGI UDI Primers 262	AGACTACGCT	ACCGTTGAGA
<b>G9</b>	MGI UDI Primers 263	TTGACGGAAC	CAGAGCCTAT
<b>H9</b>	MGI UDI Primers 264	CAATGACCGT	GGCTAATCTC
<b>A10</b>	MGI UDI Primers 265	TCTGTCATCC	CTGGTTAGAG
<b>B10</b>	MGI UDI Primers 266	CTATGGTGAG	AATCACCTCC
<b>C10</b>	MGI UDI Primers 267	AGCGAAGACT	CGAACGACTA
<b>D10</b>	MGI UDI Primers 268	TTGAGTCGTC	AAGCACGAGT
<b>E10</b>	MGI UDI Primers 269	CGCCACTTAT	TCTTCTCCTC
<b>F10</b>	MGI UDI Primers 270	TAGTCGAAGG	CACAAGGACT

<b>G10</b>	MGI UDI Primers 271	GGTCAAGGAT	TTGCCAAGGA
<b>H10</b>	MGI UDI Primers 272	CCGATTCACA	GGAAGCTATG
<b>A11</b>	MGI UDI Primers 273	ATCCAGTCAC	TACCTAGGAC
<b>B11</b>	MGI UDI Primers 274	GAGTCTCTGT	GTTGCGCATA
<b>C11</b>	MGI UDI Primers 275	ACCAACTGTC	AGGAACGCAT
<b>D11</b>	MGI UDI Primers 276	GGTTCTACGA	GTCGCTATCA
<b>E11</b>	MGI UDI Primers 277	ATCATGCACC	AGGCAGTGTT
<b>F11</b>	MGI UDI Primers 278	GAATCAGCTG	GTTAGCCAAC
<b>G11</b>	MGI UDI Primers 279	AGTAACAGGC	CCGCATACTA
<b>H11</b>	MGI UDI Primers 280	TCGCCTCAAT	ATCGCCTAAC
<b>A12</b>	MGI UDI Primers 281	ATCTGATCCG	TCGAGAACCT
<b>B12</b>	MGI UDI Primers 282	CAGGATCAAC	ATACCTCTGG
<b>C12</b>	MGI UDI Primers 283	TCACCAGTGT	TCGTGGAATC
<b>D12</b>	MGI UDI Primers 284	GTGTGTTGCA	GTTGAAGTCG
<b>E12</b>	MGI UDI Primers 285	CACGTCATTG	TACAGGACAC
<b>F12</b>	MGI UDI Primers 286	AGATGTGCAC	ATGTCCTGGT
<b>G12</b>	MGI UDI Primers 287	TACACGTGCA	TCTCAGCTAG
<b>H12</b>	MGI UDI Primers 288	CGTGAAGATC	AACACCACCT

### Truncated DNA Adapter (UDI) Plate for MGI Set D (UDI Primers 289-384)

<b>Loci</b>	<b>MGI UDI Primers NO.</b>	<b>Barcode 1</b>	<b>Barcode 2</b>
<b>A1</b>	MGI UDI Primers 289	AACACCCACCT	CGTGAAGATC
<b>B1</b>	MGI UDI Primers 290	TCTCAGCTAG	TACACGTGCA
<b>C1</b>	MGI UDI Primers 291	ATGTCCTGGT	AGATGTGCAC
<b>D1</b>	MGI UDI Primers 292	TACAGGACAC	CACGTCATTG
<b>E1</b>	MGI UDI Primers 293	GTTGAAGTCG	GTGTGTTGCA
<b>F1</b>	MGI UDI Primers 294	TCGTGGAATC	TCACCAGTGT
<b>G1</b>	MGI UDI Primers 295	ATACCTCTGG	CAGGATCAAC
<b>H1</b>	MGI UDI Primers 296	TCGAGAACCT	ATCTGATCCG
<b>A2</b>	MGI UDI Primers 297	ATCGCCTAAC	TCGCCTCAAT
<b>B2</b>	MGI UDI Primers 298	CCGCATACTA	AGTAACAGGC
<b>C2</b>	MGI UDI Primers 299	GTTAGCCAAC	GAATCAGCTG
<b>D2</b>	MGI UDI Primers 300	AGGCAGTGTT	ATCATGCACC
<b>E2</b>	MGI UDI Primers 301	GTCGCTATCA	GGTTCTACGA
<b>F2</b>	MGI UDI Primers 302	AGGAACGCAT	ACCAACTGTC
<b>G2</b>	MGI UDI Primers 303	GTTGCGCATA	GAGTCTCTGT
<b>H2</b>	MGI UDI Primers 304	TACCTAGGAC	ATCCAGTCAC
<b>A3</b>	MGI UDI Primers 305	GGAAGCTATG	CCGATTCAAC
<b>B3</b>	MGI UDI Primers 306	TTGCCAAGGA	GGTCAAGGAT
<b>C3</b>	MGI UDI Primers 307	CACAAGGACT	TAGTCGAAGG
<b>D3</b>	MGI UDI Primers 308	TCTTCTCCTC	CGCCACTTAT
<b>E3</b>	MGI UDI Primers 309	AAGCACGAGT	TTGAGTCGTC
<b>F3</b>	MGI UDI Primers 310	CGAACGACTA	AGCGAAGACT
<b>G3</b>	MGI UDI Primers 311	AATCACCTCC	CTATGGTGAG

<b>H3</b>	MGI UDI Primers 312	CTGGTTAGAG	TCTGTCATCC
<b>A4</b>	MGI UDI Primers 313	GGCTAATCTC	CAATGACCGT
<b>B4</b>	MGI UDI Primers 314	CAGAGCCTAT	TTGACGGAAC
<b>C4</b>	MGI UDI Primers 315	ACCGTTGAGA	AGACTACGCT
<b>D4</b>	MGI UDI Primers 316	TGACGGCTAT	CAGAACTCGA
<b>E4</b>	MGI UDI Primers 317	CTGACATCTG	ACCTGTGGTT
<b>F4</b>	MGI UDI Primers 318	TACCGTCTGA	CATGCCAACA
<b>G4</b>	MGI UDI Primers 319	CGTAACTACG	GTGCTTCGAT
<b>H4</b>	MGI UDI Primers 320	GAGGTGATAC	AGATCCGAGA
<b>A5</b>	MGI UDI Primers 321	TGCCAACGTA	CAGCAACTTG
<b>B5</b>	MGI UDI Primers 322	CAGATTGTGC	AGAGCTAACC
<b>C5</b>	MGI UDI Primers 323	GCACACTGAA	TTGTGACCAG
<b>D5</b>	MGI UDI Primers 324	TTGGCTGTTG	CCTGAGTGTA
<b>E5</b>	MGI UDI Primers 325	GCATAACGCA	AGCACTAAGG
<b>F5</b>	MGI UDI Primers 326	TGCCTGGATT	TAGTGCTCCA
<b>G5</b>	MGI UDI Primers 327	GAGACACGAA	GCACTGAGTT
<b>H5</b>	MGI UDI Primers 328	ATCGAGGTGT	CTCGAAGCAA
<b>A6</b>	MGI UDI Primers 329	CCATCTAGTG	TATAGCCGGT
<b>B6</b>	MGI UDI Primers 330	TGCAGATCGA	GTCCTTGCTA
<b>C6</b>	MGI UDI Primers 331	CCACTTCTAC	AGTGCGATAG
<b>D6</b>	MGI UDI Primers 332	GTCACCGATT	TCGCTATACC
<b>E6</b>	MGI UDI Primers 333	TCGGAGAGAA	GAAGCCAGTT
<b>F6</b>	MGI UDI Primers 334	GGCTCTTACT	TCGTATGCGA
<b>G6</b>	MGI UDI Primers 335	ACTATCCTGG	GAAGGATGAC
<b>H6</b>	MGI UDI Primers 336	CTGCGAGATA	TTGCTGCAGA
<b>A7</b>	MGI UDI Primers 337	TACGCTAGGT	GCCTACACTT
<b>B7</b>	MGI UDI Primers 338	CCTCAAGTCA	TAAGCGGTAG

<b>C7</b>	MGI UDI Primers 339	GACATGTCTG	CGGAATAGCT
<b>D7</b>	MGI UDI Primers 340	CTAGATCGGA	GTAGTGGTGA
<b>E7</b>	MGI UDI Primers 341	GCTTGAACAC	TCTCGATGTC
<b>F7</b>	MGI UDI Primers 342	TTCGACTGGA	CTAACGCAGT
<b>G7</b>	MGI UDI Primers 343	GCGTGACATT	TCGTTGTTTC
<b>H7</b>	MGI UDI Primers 344	CAACATTCCG	ATCACTCGCT
<b>A8</b>	MGI UDI Primers 345	GCTACCAAGA	CGTCGGATTA
<b>B8</b>	MGI UDI Primers 385	ACACTCGTCA	GATATCGGCA
<b>C8</b>	MGI UDI Primers 347	TTGCACGCTT	GGAGTTAGCA
<b>D8</b>	MGI UDI Primers 348	CATAGTTTCC	CCTACATCGT
<b>E8</b>	MGI UDI Primers 349	TGACACGAAG	AACGTTGTC
<b>F8</b>	MGI UDI Primers 350	CTGTGATTGC	CTTCACACCT
<b>G8</b>	MGI UDI Primers 351	TCAGCGAACT	TGAGCATGTG
<b>H8</b>	MGI UDI Primers 352	CACAGTTGTG	ATGTAGACGC
<b>A9</b>	MGI UDI Primers 353	GGAGAAGTGT	CCAGCACTTA
<b>B9</b>	MGI UDI Primers 354	TCCTCCTATG	GATAGTACCG
<b>C9</b>	MGI UDI Primers 355	CATGAGACGT	TCCGTACAGT
<b>D9</b>	MGI UDI Primers 356	ACCAGACTTC	CTAAGCGTTC
<b>E9</b>	MGI UDI Primers 357	TTATCCTCGG	ACGTCTAGCA
<b>F9</b>	MGI UDI Primers 358	GACAGACACA	CTACTGGCAT
<b>G9</b>	MGI UDI Primers 359	AGACAGGTTC	GAGGACCTTA
<b>H9</b>	MGI UDI Primers 360	GTGGTATAGG	CCATGTTACC
<b>A10</b>	MGI UDI Primers 361	CAATCCGTCT	GTTGTCAGGT
<b>B10</b>	MGI UDI Primers 362	GCCAATCCAA	ACGCGTCTAA
<b>C10</b>	MGI UDI Primers 363	CAGGCATTCT	GAAGAGTACC
<b>D10</b>	MGI UDI Primers 364	AGTAGGCGAA	AGCCGAATGT
<b>E10</b>	MGI UDI Primers 365	CTGTATGACG	CCAATGGATG

<b>F10</b>	MGI UDI Primers 366	GGTGTACTAC	GACTGCAGAA
<b>G10</b>	MGI UDI Primers 367	ATGAGCAAGG	ATTACGGCTC
<b>H10</b>	MGI UDI Primers 368	GACTAGCGTT	TACGGCTACT
<b>A11</b>	MGI UDI Primers 369	CCAGTATCAG	AGTCATGCTG
<b>B11</b>	MGI UDI Primers 370	TGGAACCATC	TTAGGCAGAC
<b>C11</b>	MGI UDI Primers 371	CACGTATGGA	GCCATTGTCT
<b>D11</b>	MGI UDI Primers 372	ATGCCGATCT	CTACACTAGC
<b>E11</b>	MGI UDI Primers 373	TGATTAGCGC	TCCTGAGTCA
<b>F11</b>	MGI UDI Primers 374	GCTGATAGTG	AAGCCTACAG
<b>G11</b>	MGI UDI Primers 375	CGCACACAAT	GCAGTCTATC
<b>H11</b>	MGI UDI Primers 376	TAGCAGTTGC	CTTCGTCTCT
<b>A12</b>	MGI UDI Primers 377	ATAAGTGGCG	TACGAGGCTA
<b>B12</b>	MGI UDI Primers 378	GGCTTGACAT	CTGATCTTCG
<b>C12</b>	MGI UDI Primers 379	ACGAGATGGA	TGACGTGGTA
<b>D12</b>	MGI UDI Primers 380	GGATACATCC	GCGAACTACT
<b>E12</b>	MGI UDI Primers 386	GTGAAGACAG	TGCCGTTAAC
<b>F12</b>	MGI UDI Primers 382	TGGTGCAGTT	TTCTTGGTCTG
<b>G12</b>	MGI UDI Primers 383	CTCACTGTGA	GGTCGTTCTT
<b>H12</b>	MGI UDI Primers 384	TGTTGGTCTG	TCGATTAGGC

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