

TransNGS® 384 UDI Indexed Adapter Kit for Illumina®

Please read the datasheet carefully prior to use.

Cat. No. KI351

Version No. Version 1.0

Storage: at -20°C for two years

Description

TransNGS® 384 UDI Indexed Adapter Kit for Illumina® provides 384 Adapters composed of independent i5 and i7. It is the Long Adapter kit containing paired-end Index for multiplex library preparation suitable for Illumina high-throughput sequencing platform.

Application

Multiplex next-generation sequencing library preparations on the Illumina platform.

Kit Contents

Component	KI351-01 (768 rxns)	KI351-02 (1536 rxns)
TransNGS® Adapter Dilution Buffer	2×5 ml	4×5 ml
TransNGS® 384 UDI Indexed Adapter 001-384 for Illumina (16 µM)	10 µl each	20 µl each

Sequence information of Index in Adapter

Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 001 for Illumina® (16 µM)	ATATGCGC	GCGCATAT	CTGATCGT
TransNGS® 384 UDI Indexed Adapter 002 for Illumina® (16 µM)	TGGTACAG	CTGTACCA	ACTCTCGA
TransNGS® 384 UDI Indexed Adapter 003 for Illumina® (16 µM)	AACCGTTC	GAACGGTT	TGAGCTAG
TransNGS® 384 UDI Indexed Adapter 004 for Illumina® (16 µM)	TAACCGGT	ACCGGTTA	GAGACGAT
TransNGS® 384 UDI Indexed Adapter 005 for Illumina® (16 µM)	GAACATCG	CGATGTTC	CTTGTCTGA
TransNGS® 384 UDI Indexed Adapter 006 for Illumina® (16 µM)	CCTTGTAAG	CTACAAGG	TTCCAAGG
TransNGS® 384 UDI Indexed Adapter 007 for Illumina® (16 µM)	TCAGGCTT	AAGCCTGA	CGCATGAT
TransNGS® 384 UDI Indexed Adapter 008 for Illumina® (16 µM)	GTTCTCGT	ACGAGAAC	ACGGAACA
TransNGS® 384 UDI Indexed Adapter 009 for Illumina® (16 µM)	AGAACGAG	CTCGTTCT	CGGCTAAT
TransNGS® 384 UDI Indexed Adapter 010 for Illumina® (16 µM)	TGCTTCCA	TGGAAGCA	ATCGATCG
TransNGS® 384 UDI Indexed Adapter 011 for Illumina® (16 µM)	CTTCGACT	AGTCGAAG	GCAAGATC
TransNGS® 384 UDI Indexed Adapter 012 for Illumina® (16 µM)	CACCTGTT	AACAGGTG	GCTATCCT



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 013 for Illumina® (16 µM)	ATCACACG	CGTGTGAT	TACGCTAC
TransNGS® 384 UDI Indexed Adapter 014 for Illumina® (16 µM)	CCGTAAGA	TCTTACGG	TGGACTCT
TransNGS® 384 UDI Indexed Adapter 015 for Illumina® (16 µM)	TACGCCTT	AAGGCGTA	AGAGTAGC
TransNGS® 384 UDI Indexed Adapter 016 for Illumina® (16 µM)	CGACGTTA	TAACGTCG	ATCCAGAG
TransNGS® 384 UDI Indexed Adapter 017 for Illumina® (16 µM)	ATGCACGA	TCGTGCAT	GACGATCT
TransNGS® 384 UDI Indexed Adapter 018 for Illumina® (16 µM)	CCTGATTG	CAATCAGG	AACTGAGC
TransNGS® 384 UDI Indexed Adapter 019 for Illumina® (16 µM)	GTAGGAGT	ACTCCTAC	CTTAGGAC
TransNGS® 384 UDI Indexed Adapter 020 for Illumina® (16 µM)	ACTAGGAG	CTCCTAGT	GTGCCATA
TransNGS® 384 UDI Indexed Adapter 021 for Illumina® (16 µM)	CACTAGCT	AGCTAGTG	GAATCCGA
TransNGS® 384 UDI Indexed Adapter 022 for Illumina® (16 µM)	ACGACTTG	CAAGTCGT	TCGCTGTT
TransNGS® 384 UDI Indexed Adapter 023 for Illumina® (16 µM)	CGTGTGTA	TACACACG	TTCGTTGG
TransNGS® 384 UDI Indexed Adapter 024 for Illumina® (16 µM)	GTTGACCT	AGGTCAAC	AAGCACTG
TransNGS® 384 UDI Indexed Adapter 025 for Illumina® (16 µM)	ACTCCATC	GATGGAGT	CCTTGATC
TransNGS® 384 UDI Indexed Adapter 026 for Illumina® (16 µM)	CAATGTGG	CCACATTG	GTGGAAGA
TransNGS® 384 UDI Indexed Adapter 027 for Illumina® (16 µM)	TTGCAGAC	GTCTGCAA	ACCACGAT
TransNGS® 384 UDI Indexed Adapter 028 for Illumina® (16 µM)	CAGTCCAA	TTGGACTG	GATTACCG
TransNGS® 384 UDI Indexed Adapter 029 for Illumina® (16 µM)	ACGTTCAG	CTGAACGT	GCACAAC
TransNGS® 384 UDI Indexed Adapter 030 for Illumina® (16 µM)	AACGTCTG	CAGACGTT	GCGTCATT
TransNGS® 384 UDI Indexed Adapter 031 for Illumina® (16 µM)	TATCGGTC	GACCGATA	ATCCGGTA
TransNGS® 384 UDI Indexed Adapter 032 for Illumina® (16 µM)	CGCTCTAT	ATAGAGCG	CGTTGCAA
TransNGS® 384 UDI Indexed Adapter 033 for Illumina® (16 µM)	GATTGCTC	GAGCAATC	GTGAAGTG
TransNGS® 384 UDI Indexed Adapter 034 for Illumina® (16 µM)	GATGTGTG	CACACATC	CATGGCTA
TransNGS® 384 UDI Indexed Adapter 035 for Illumina® (16 µM)	CGCAATCT	AGATTGCG	ATGCCTGT
TransNGS® 384 UDI Indexed Adapter 036 for Illumina® (16 µM)	TGGTAGCT	AGCTACCA	CAACACCT
TransNGS® 384 UDI Indexed Adapter 037 for Illumina® (16 µM)	GATAGGCT	AGCCTATC	TGTGACTG
TransNGS® 384 UDI Indexed Adapter 038 for Illumina® (16 µM)	AGTGATC	GATCCACT	GTATCGA
TransNGS® 384 UDI Indexed Adapter 039 for Illumina® (16 µM)	TTGGACGT	ACGTCCAA	AGCACTTC
TransNGS® 384 UDI Indexed Adapter 040 for Illumina® (16 µM)	ATGACGTC	GACGTCAT	GAAGGAAG
TransNGS® 384 UDI Indexed Adapter 041 for Illumina® (16 µM)	GAAGTTGG	CCAACCTC	GTTGTTCC
TransNGS® 384 UDI Indexed Adapter 042 for Illumina® (16 µM)	CATACCAC	GTGGTATG	CGGTTGTT
TransNGS® 384 UDI Indexed Adapter 043 for Illumina® (16 µM)	CTGTTGAC	GTCAACAG	ACTGAGGT
TransNGS® 384 UDI Indexed Adapter 044 for Illumina® (16 µM)	TGGCATGT	ACATGCCA	TGAAGACG
TransNGS® 384 UDI Indexed Adapter 045 for Illumina® (16 µM)	ATCGCCAT	ATGGCGAT	GTTACGCA
TransNGS® 384 UDI Indexed Adapter 046 for Illumina® (16 µM)	TTGCGAAG	CTTCGCAA	AGCGTGTT
TransNGS® 384 UDI Indexed Adapter 047 for Illumina® (16 µM)	AGTTTCGTC	GACGAACT	GATCGAGT
TransNGS® 384 UDI Indexed Adapter 048 for Illumina® (16 µM)	GAGCAGTA	TACTGCTC	ACAGCTCA
TransNGS® 384 UDI Indexed Adapter 049 for Illumina® (16 µM)	ACAGCTCA	TGAGCTGT	GAGCAGTA
TransNGS® 384 UDI Indexed Adapter 050 for Illumina® (16 µM)	GATCGAGT	ACTCGATC	AGTTTCGTC
TransNGS® 384 UDI Indexed Adapter 051 for Illumina® (16 µM)	AGCGTGTT	AACACGCT	TTGCGAAG
TransNGS® 384 UDI Indexed Adapter 052 for Illumina® (16 µM)	GTTACGCA	TGCGTAAC	ATCGCCAT



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	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 053 for Illumina® (16 µM)	TGAAGACG	CGTCTTCA	TGGCATGT
TransNGS® 384 UDI Indexed Adapter 054 for Illumina® (16 µM)	ACTGAGGT	ACCTCAGT	CTGTTGAC
TransNGS® 384 UDI Indexed Adapter 055 for Illumina® (16 µM)	CGGTTGTT	AACAACCG	CATACCAC
TransNGS® 384 UDI Indexed Adapter 056 for Illumina® (16 µM)	GTTGTTCG	CGAACAAC	GAAGTTGG
TransNGS® 384 UDI Indexed Adapter 057 for Illumina® (16 µM)	GAAGGAAG	CTTCCTTC	ATGACGTC
TransNGS® 384 UDI Indexed Adapter 058 for Illumina® (16 µM)	AGCACTTC	GAAGTGCT	TTGGACGT
TransNGS® 384 UDI Indexed Adapter 059 for Illumina® (16 µM)	GTCAATCGA	TCGATGAC	AGTGGATC
TransNGS® 384 UDI Indexed Adapter 060 for Illumina® (16 µM)	TGTGACTG	CAGTCACA	GATAGGCT
TransNGS® 384 UDI Indexed Adapter 061 for Illumina® (16 µM)	CAACACCT	AGGTGTTG	TGGTAGCT
TransNGS® 384 UDI Indexed Adapter 062 for Illumina® (16 µM)	ATGCCTGT	ACAGGCAT	CGCAATCT
TransNGS® 384 UDI Indexed Adapter 063 for Illumina® (16 µM)	CATGGCTA	TAGCCATG	GATGTGTG
TransNGS® 384 UDI Indexed Adapter 064 for Illumina® (16 µM)	GTGAAGTG	CACTTCAC	GATTGCTC
TransNGS® 384 UDI Indexed Adapter 065 for Illumina® (16 µM)	CGTTGCAA	TTGCAACG	CGCTCTAT
TransNGS® 384 UDI Indexed Adapter 066 for Illumina® (16 µM)	ATCCGGTA	TACCGGAT	TATCGGTC
TransNGS® 384 UDI Indexed Adapter 067 for Illumina® (16 µM)	GCGTCATT	AATGACGC	AACGTCTG
TransNGS® 384 UDI Indexed Adapter 068 for Illumina® (16 µM)	GCACAAC	AGTTGTGC	ACGTTTCA
TransNGS® 384 UDI Indexed Adapter 069 for Illumina® (16 µM)	GATTACCG	CGGTAATC	CAGTCCAA
TransNGS® 384 UDI Indexed Adapter 070 for Illumina® (16 µM)	ACCACGAT	ATCGTGCT	TTGCAGAC
TransNGS® 384 UDI Indexed Adapter 071 for Illumina® (16 µM)	GTGGAAGA	TCTTCGAC	CAATGTGG
TransNGS® 384 UDI Indexed Adapter 072 for Illumina® (16 µM)	CCTTGATC	GATCAAGG	ACTCCATC
TransNGS® 384 UDI Indexed Adapter 073 for Illumina® (16 µM)	AAGCACTG	CAGTGCTT	GTTGACCT
TransNGS® 384 UDI Indexed Adapter 074 for Illumina® (16 µM)	TTGCTTGG	CCAACGAA	CGTGTGTA
TransNGS® 384 UDI Indexed Adapter 075 for Illumina® (16 µM)	TCGCTGTT	AACAGCGA	ACGACTTG
TransNGS® 384 UDI Indexed Adapter 076 for Illumina® (16 µM)	GAATCCGA	TCGGATTG	CACTAGCT
TransNGS® 384 UDI Indexed Adapter 077 for Illumina® (16 µM)	GTGCCATA	TATGGCAC	ACTAGGAG
TransNGS® 384 UDI Indexed Adapter 078 for Illumina® (16 µM)	CTTAGGAC	GTCCTAAG	GTAGGAGT
TransNGS® 384 UDI Indexed Adapter 079 for Illumina® (16 µM)	AACTGAGC	GCTCAGTT	CCTGATTG
TransNGS® 384 UDI Indexed Adapter 080 for Illumina® (16 µM)	GACGATCT	AGATCGTC	ATGCACGA
TransNGS® 384 UDI Indexed Adapter 081 for Illumina® (16 µM)	ATCCAGAG	CTCTGGAT	CGACGTTA
TransNGS® 384 UDI Indexed Adapter 082 for Illumina® (16 µM)	AGAGTAGC	GCTACTCT	TACGCCTT
TransNGS® 384 UDI Indexed Adapter 083 for Illumina® (16 µM)	TGGACTCT	AGAGTCCA	CCGTAAGA
TransNGS® 384 UDI Indexed Adapter 084 for Illumina® (16 µM)	TACGCTAC	GTAGCGTA	ATCACACG
TransNGS® 384 UDI Indexed Adapter 085 for Illumina® (16 µM)	GCTATCCT	AGGATAGC	CACCTGTT
TransNGS® 384 UDI Indexed Adapter 086 for Illumina® (16 µM)	GCAAGATC	GATCTTGC	CTTCGACT
TransNGS® 384 UDI Indexed Adapter 087 for Illumina® (16 µM)	ATCGATCG	CGATCGAT	TGCTTCCA
TransNGS® 384 UDI Indexed Adapter 088 for Illumina® (16 µM)	CGGCTAAT	ATTAGCCG	AGAACGAG
TransNGS® 384 UDI Indexed Adapter 089 for Illumina® (16 µM)	ACGGAACA	TGTTCCGT	GTTCTCGT
TransNGS® 384 UDI Indexed Adapter 090 for Illumina® (16 µM)	CGCATGAT	ATCATGCG	TCAGGCTT
TransNGS® 384 UDI Indexed Adapter 091 for Illumina® (16 µM)	TTCCAAGG	CCTTGGA	CCTTGTAG
TransNGS® 384 UDI Indexed Adapter 092 for Illumina® (16 µM)	CTTGTCGA	TCGACAAG	GAACATCG



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 093 for Illumina® (16 µM)	GAGACGAT	ATCGTCTC	TAACCGGT
TransNGS® 384 UDI Indexed Adapter 094 for Illumina® (16 µM)	TGAGCTAG	CTAGCTCA	AACCGTTC
TransNGS® 384 UDI Indexed Adapter 095 for Illumina® (16 µM)	ACTCTCGA	TCGAGAGT	TGGTACAG
TransNGS® 384 UDI Indexed Adapter 096 for Illumina® (16 µM)	CTGATCGT	ACGATCAG	ATATGCGC
TransNGS® 384 UDI Indexed Adapter 097 for Illumina® (16 µM)	CGACCAAT	AATGGTCG	GCCTATCA
TransNGS® 384 UDI Indexed Adapter 098 for Illumina® (16 µM)	GATAGCGA	TCGCTATC	CTTGGATG
TransNGS® 384 UDI Indexed Adapter 099 for Illumina® (16 µM)	AATGGACG	CGTCCATT	AGTCTCAC
TransNGS® 384 UDI Indexed Adapter 100 for Illumina® (16 µM)	CGCTAGTA	TACTAGCG	CTCATCAG
TransNGS® 384 UDI Indexed Adapter 101 for Illumina® (16 µM)	TCTCTAGG	CCTAGAGA	TGTACCGT
TransNGS® 384 UDI Indexed Adapter 102 for Illumina® (16 µM)	ACATTGCC	CGCAATGT	AAGTCGAG
TransNGS® 384 UDI Indexed Adapter 103 for Illumina® (16 µM)	TGAGGTGT	ACACCTCA	CACGTTGT
TransNGS® 384 UDI Indexed Adapter 104 for Illumina® (16 µM)	AATGCCTC	GAGGCATT	TCACAGCA
TransNGS® 384 UDI Indexed Adapter 105 for Illumina® (16 µM)	CTGGAGTA	TACTCCAG	CTACTTGG
TransNGS® 384 UDI Indexed Adapter 106 for Illumina® (16 µM)	GTATGCTG	CAGCATAAC	CCTCAGTT
TransNGS® 384 UDI Indexed Adapter 107 for Illumina® (16 µM)	TGGAGAGT	ACTCTCCA	TCCTACCT
TransNGS® 384 UDI Indexed Adapter 108 for Illumina® (16 µM)	CGATAGAG	CTCTATCG	ATGGCGAA
TransNGS® 384 UDI Indexed Adapter 109 for Illumina® (16 µM)	CTCATTCG	GCAATGAG	CTTACCTG
TransNGS® 384 UDI Indexed Adapter 110 for Illumina® (16 µM)	ACCAGCTT	AAGCTGGT	CTCGATAC
TransNGS® 384 UDI Indexed Adapter 111 for Illumina® (16 µM)	GAATCGTG	CACGATTTC	TCCGTGAA
TransNGS® 384 UDI Indexed Adapter 112 for Illumina® (16 µM)	AGGCTTCT	AGAAGCCT	TAGAGCTC
TransNGS® 384 UDI Indexed Adapter 113 for Illumina® (16 µM)	CAGTTCTG	CAGAACTG	TGACTGAC
TransNGS® 384 UDI Indexed Adapter 114 for Illumina® (16 µM)	TTGGTGAG	CTCACCAA	TAGACGTG
TransNGS® 384 UDI Indexed Adapter 115 for Illumina® (16 µM)	CATTCCGT	ACCGAATG	CCGGAATT
TransNGS® 384 UDI Indexed Adapter 116 for Illumina® (16 µM)	TGTGAAGC	GCTTCACA	CTCCTAGA
TransNGS® 384 UDI Indexed Adapter 117 for Illumina® (16 µM)	TAAGTGGC	GCCACTTA	CAACGGAT
TransNGS® 384 UDI Indexed Adapter 118 for Illumina® (16 µM)	ACGTGATG	CATCACGT	TGGCTATC
TransNGS® 384 UDI Indexed Adapter 119 for Illumina® (16 µM)	GTAGAGCA	TGCTCTAC	CGGTCATA
TransNGS® 384 UDI Indexed Adapter 120 for Illumina® (16 µM)	GTCAGTTG	CAACTGAC	TCCAATCG
TransNGS® 384 UDI Indexed Adapter 121 for Illumina® (16 µM)	ATTCGAGG	CCTCGAAT	GAGCTTGT
TransNGS® 384 UDI Indexed Adapter 122 for Illumina® (16 µM)	GATACTGG	CCAGTATC	GAAGGTTT
TransNGS® 384 UDI Indexed Adapter 123 for Illumina® (16 µM)	GCCTTGTT	AACAAGGC	ATCTCGCT
TransNGS® 384 UDI Indexed Adapter 124 for Illumina® (16 µM)	TTGGTCTC	GAGACCAA	AGTTACGG
TransNGS® 384 UDI Indexed Adapter 125 for Illumina® (16 µM)	CCGACTAT	ATAGTCGG	GTGTCTGA
TransNGS® 384 UDI Indexed Adapter 126 for Illumina® (16 µM)	GTCCTAAG	CTTAGGAC	TGACTTCG
TransNGS® 384 UDI Indexed Adapter 127 for Illumina® (16 µM)	ACCAATGC	GCATTGGT	TGGATCAC
TransNGS® 384 UDI Indexed Adapter 128 for Illumina® (16 µM)	GATGCACT	AGTGCATC	ACACCAGT
TransNGS® 384 UDI Indexed Adapter 129 for Illumina® (16 µM)	GCTGGATT	AATCCAGC	CAGGTTAG
TransNGS® 384 UDI Indexed Adapter 130 for Illumina® (16 µM)	ATGGTTGC	GCAACCAT	AGTTGGCT
TransNGS® 384 UDI Indexed Adapter 131 for Illumina® (16 µM)	CAGAATCG	CGATTCTG	TCAACTGG
TransNGS® 384 UDI Indexed Adapter 132 for Illumina® (16 µM)	GAACGCTT	AAGCGTTC	CTGCACTT



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 133 for Illumina® (16 µM)	T CGAACCA	T GGTTCGA	A CACGGTT
TransNGS® 384 UDI Indexed Adapter 134 for Illumina® (16 µM)	C TATCGCA	T GCGATAG	A ATACGCG
TransNGS® 384 UDI Indexed Adapter 135 for Illumina® (16 µM)	T ACGGTTG	C AACCGTA	T GCGAACT
TransNGS® 384 UDI Indexed Adapter 136 for Illumina® (16 µM)	G AGATGTC	G ACATCTC	G CTGACTA
TransNGS® 384 UDI Indexed Adapter 137 for Illumina® (16 µM)	C TTACAGC	G CTGTAAG	G TGGTGTT
TransNGS® 384 UDI Indexed Adapter 138 for Illumina® (16 µM)	A GGAGGAA	T TCTCCT	G TGCTTAC
TransNGS® 384 UDI Indexed Adapter 139 for Illumina® (16 µM)	G ACGAATG	C ATTCGTC	T CAAGGAC
TransNGS® 384 UDI Indexed Adapter 140 for Illumina® (16 µM)	G AAGAGGT	A CTCTTC	T GAACCTG
TransNGS® 384 UDI Indexed Adapter 141 for Illumina® (16 µM)	C GTCAATG	C ATTGACG	A GTGTTGG
TransNGS® 384 UDI Indexed Adapter 142 for Illumina® (16 µM)	T ACCAGGA	T CCTGGTA	G TACTCTC
TransNGS® 384 UDI Indexed Adapter 143 for Illumina® (16 µM)	C GTACGAA	T TCGTACG	C CGTATCT
TransNGS® 384 UDI Indexed Adapter 144 for Illumina® (16 µM)	G ACTTAGG	C CTAAGTC	C GAAGAAC
TransNGS® 384 UDI Indexed Adapter 145 for Illumina® (16 µM)	A GTGCACT	A CTGCACT	A GCGGAAT
TransNGS® 384 UDI Indexed Adapter 146 for Illumina® (16 µM)	T TGATCCG	C GGATCAA	G TGAGCTT
TransNGS® 384 UDI Indexed Adapter 147 for Illumina® (16 µM)	T GCCATTC	G AATGGCA	C GTGATCA
TransNGS® 384 UDI Indexed Adapter 148 for Illumina® (16 µM)	C TTGCTGT	A CAGCAAG	T CGCATTG
TransNGS® 384 UDI Indexed Adapter 149 for Illumina® (16 µM)	C CTACTGA	T CAGTAGG	T GACGCAT
TransNGS® 384 UDI Indexed Adapter 150 for Illumina® (16 µM)	C CAAGTTG	C AACTTGG	C CGATGTA
TransNGS® 384 UDI Indexed Adapter 151 for Illumina® (16 µM)	T GATCGGA	T CCGATCA	T TCGCAGT
TransNGS® 384 UDI Indexed Adapter 152 for Illumina® (16 µM)	T AGTTGCG	C GCAACTA	A CGACAGA
TransNGS® 384 UDI Indexed Adapter 153 for Illumina® (16 µM)	G TCTGATC	G ATCAGAC	A GCTTGAG
TransNGS® 384 UDI Indexed Adapter 154 for Illumina® (16 µM)	C GTTATGC	G CATAACG	G AGTGGTT
TransNGS® 384 UDI Indexed Adapter 155 for Illumina® (16 µM)	G CTCTGTA	T ACAGAGC	G CTGTAAG
TransNGS® 384 UDI Indexed Adapter 156 for Illumina® (16 µM)	T TACCGAG	C TCGGTAA	C CAAGACT
TransNGS® 384 UDI Indexed Adapter 157 for Illumina® (16 µM)	G CCATAAC	G TTATGGC	A TTGCGTG
TransNGS® 384 UDI Indexed Adapter 158 for Illumina® (16 µM)	C TCAGAGT	A CTCTGAG	C TGAAGCT
TransNGS® 384 UDI Indexed Adapter 159 for Illumina® (16 µM)	C GAGACTA	T AGTCTCG	T AACGAGG
TransNGS® 384 UDI Indexed Adapter 160 for Illumina® (16 µM)	T GTGCGTT	A ACGCACA	T CGTCTCA
TransNGS® 384 UDI Indexed Adapter 161 for Illumina® (16 µM)	T TCAGGAG	C TCCTGAA	T TCCTGTG
TransNGS® 384 UDI Indexed Adapter 162 for Illumina® (16 µM)	G ACTATGC	G CATAGTC	C GTTGAGT
TransNGS® 384 UDI Indexed Adapter 163 for Illumina® (16 µM)	A GGTTCGA	T CGAACCT	A GTGCTT
TransNGS® 384 UDI Indexed Adapter 164 for Illumina® (16 µM)	A GTCTGTG	C ACAGACT	T AGGTAGG
TransNGS® 384 UDI Indexed Adapter 165 for Illumina® (16 µM)	A CTAAGG	C CTTAGGT	C AGGAGAT
TransNGS® 384 UDI Indexed Adapter 166 for Illumina® (16 µM)	T GCAGGTA	T ACCTGCA	C ATCGTGA
TransNGS® 384 UDI Indexed Adapter 167 for Illumina® (16 µM)	A AGGACAC	G TGTCCTT	T GTTGTGG
TransNGS® 384 UDI Indexed Adapter 168 for Illumina® (16 µM)	C AACCTAG	C TAGGTTG	A CAGACCT
TransNGS® 384 UDI Indexed Adapter 169 for Illumina® (16 µM)	C TGACACA	T GTGTCAG	G TCCTTCT
TransNGS® 384 UDI Indexed Adapter 170 for Illumina® (16 µM)	A CTCGTTG	C AACGAGT	T GATACGC
TransNGS® 384 UDI Indexed Adapter 171 for Illumina® (16 µM)	A GCTCCTA	T AGGAGCT	C TGTGTTG
TransNGS® 384 UDI Indexed Adapter 172 for Illumina® (16 µM)	T ACATCGG	C CGATGTA	A ACGTGGA



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 173 for Illumina® (16 µM)	CACAAGTC	GACTTGTG	GTTGCGAT
TransNGS® 384 UDI Indexed Adapter 174 for Illumina® (16 µM)	CGGATTGA	TCAATCCG	AACGACGT
TransNGS® 384 UDI Indexed Adapter 175 for Illumina® (16 µM)	AGTCGACA	TGTCGACT	CGTATTCG
TransNGS® 384 UDI Indexed Adapter 176 for Illumina® (16 µM)	GTCTCCTT	AAGGAGAC	AGCAAGCA
TransNGS® 384 UDI Indexed Adapter 177 for Illumina® (16 µM)	GAGATACG	CGTATCTC	TGTTGAG
TransNGS® 384 UDI Indexed Adapter 178 for Illumina® (16 µM)	ATCGGTGT	ACACCGAT	CTCCATGT
TransNGS® 384 UDI Indexed Adapter 179 for Illumina® (16 µM)	TCTCGCAA	TTGCGAGA	CGTCTTGT
TransNGS® 384 UDI Indexed Adapter 180 for Illumina® (16 µM)	TCTAACGC	GCGTTAGA	ATAAGGCG
TransNGS® 384 UDI Indexed Adapter 181 for Illumina® (16 µM)	CAATCGAC	GTCGATTG	TGTCTGCT
TransNGS® 384 UDI Indexed Adapter 182 for Illumina® (16 µM)	GAGGACTT	AAGTCCTC	CGCTTAAC
TransNGS® 384 UDI Indexed Adapter 183 for Illumina® (16 µM)	TGGAGTTG	CAACTCCA	GATCCATG
TransNGS® 384 UDI Indexed Adapter 184 for Illumina® (16 µM)	CTAGGCAT	ATGCCTAG	ACCTCTGT
TransNGS® 384 UDI Indexed Adapter 185 for Illumina® (16 µM)	CTCTACTC	GAGTAGAG	GCCACTTA
TransNGS® 384 UDI Indexed Adapter 186 for Illumina® (16 µM)	AGAAGCGT	ACGCTTCT	ACCTGACT
TransNGS® 384 UDI Indexed Adapter 187 for Illumina® (16 µM)	TCGAAGGT	ACCTTCGA	GTTAAGGC
TransNGS® 384 UDI Indexed Adapter 188 for Illumina® (16 µM)	GTCGGTAA	TTACCGAC	ATGCCAAC
TransNGS® 384 UDI Indexed Adapter 189 for Illumina® (16 µM)	ACGATGAC	GTCATCGT	AGAGGTTG
TransNGS® 384 UDI Indexed Adapter 190 for Illumina® (16 µM)	TCCGTATG	CATACGGA	ACCATCCA
TransNGS® 384 UDI Indexed Adapter 191 for Illumina® (16 µM)	CTAGGTGA	TCACCTAG	GTGGATAG
TransNGS® 384 UDI Indexed Adapter 192 for Illumina® (16 µM)	CATTGCCT	AGGCAATG	CTGAGATC
TransNGS® 384 UDI Indexed Adapter 193 for Illumina® (16 µM)	ACCTTCTC	GAGAAGGT	CTTCGTTT
TransNGS® 384 UDI Indexed Adapter 194 for Illumina® (16 µM)	TCGTGGAT	ATCCACGA	GTCTAGGT
TransNGS® 384 UDI Indexed Adapter 195 for Illumina® (16 µM)	GTTTCATG	CCATGAAC	ACGTCGTA
TransNGS® 384 UDI Indexed Adapter 196 for Illumina® (16 µM)	TAGGATGC	GCAATCCTA	GAGCTCAA
TransNGS® 384 UDI Indexed Adapter 197 for Illumina® (16 µM)	CATGGAAC	GTTCCATG	CGTGTACT
TransNGS® 384 UDI Indexed Adapter 198 for Illumina® (16 µM)	GCTTAGCT	AGCTAAGC	CACTGACA
TransNGS® 384 UDI Indexed Adapter 199 for Illumina® (16 µM)	CTAACTCG	CGAGTTAG	TCGTAGTC
TransNGS® 384 UDI Indexed Adapter 200 for Illumina® (16 µM)	ACCATGTG	CACATGGT	GCACGTAA
TransNGS® 384 UDI Indexed Adapter 201 for Illumina® (16 µM)	TCAGACGA	TCGTCTGA	CAAGCAGT
TransNGS® 384 UDI Indexed Adapter 202 for Illumina® (16 µM)	TATCAGCG	CGCTGATA	ACATAGGC
TransNGS® 384 UDI Indexed Adapter 203 for Illumina® (16 µM)	AGCAGATG	CATCTGCT	TGTGGTAC
TransNGS® 384 UDI Indexed Adapter 204 for Illumina® (16 µM)	AACGGTCA	TGACCGTT	CACCACTA
TransNGS® 384 UDI Indexed Adapter 205 for Illumina® (16 µM)	CGAACTGT	ACAGTTG	CTGCGTAT
TransNGS® 384 UDI Indexed Adapter 206 for Illumina® (16 µM)	TCCGAGTT	AACTCGGA	ACGGTCTT
TransNGS® 384 UDI Indexed Adapter 207 for Illumina® (16 µM)	TTCTCTCG	CGAGAGAA	GATTGGAG
TransNGS® 384 UDI Indexed Adapter 208 for Illumina® (16 µM)	ATTCTGGC	GCCAGAAT	TGTCCAGA
TransNGS® 384 UDI Indexed Adapter 209 for Illumina® (16 µM)	ACTGCTAG	CTAGCAGT	CCAGTGTT
TransNGS® 384 UDI Indexed Adapter 210 for Illumina® (16 µM)	CATAACGG	CCGTTATG	TGCACCAA
TransNGS® 384 UDI Indexed Adapter 211 for Illumina® (16 µM)	CAGTCTTC	GAAGACTG	TTGACAGG
TransNGS® 384 UDI Indexed Adapter 212 for Illumina® (16 µM)	TGCCTCTT	AAGAGGCA	AGGCATAG



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 213 for Illumina® (16 µM)	ACTGTGTC	GACACAGT	TAGCCGAA
TransNGS® 384 UDI Indexed Adapter 214 for Illumina® (16 µM)	GTATTGGC	GCCAATAC	TTGTCGGT
TransNGS® 384 UDI Indexed Adapter 215 for Illumina® (16 µM)	CGATGCTT	AAGCATCG	CATCTACG
TransNGS® 384 UDI Indexed Adapter 216 for Illumina® (16 µM)	AAGGCTGA	TCAGCCTT	GCATACAG
TransNGS® 384 UDI Indexed Adapter 217 for Illumina® (16 µM)	AGTCAGGA	TCCTGACT	ACAGCAAC
TransNGS® 384 UDI Indexed Adapter 218 for Illumina® (16 µM)	CAGGTATC	GATACCTG	CTGGTTCT
TransNGS® 384 UDI Indexed Adapter 219 for Illumina® (16 µM)	TCTCCGAT	ATCGGAGA	TCGACATC
TransNGS® 384 UDI Indexed Adapter 220 for Illumina® (16 µM)	TTCAGCCT	AGGCTGAA	AACCTCCT
TransNGS® 384 UDI Indexed Adapter 221 for Illumina® (16 µM)	TCTGAGAG	CTCTCAGA	CAGCGATT
TransNGS® 384 UDI Indexed Adapter 222 for Illumina® (16 µM)	TTAGGTCG	CGACCTAA	AGGTCACT
TransNGS® 384 UDI Indexed Adapter 223 for Illumina® (16 µM)	CTCTGGTT	AACCAGAG	GCAATTCG
TransNGS® 384 UDI Indexed Adapter 224 for Illumina® (16 µM)	GCGTCTA	TAGAACGC	GCTTCTTG
TransNGS® 384 UDI Indexed Adapter 225 for Illumina® (16 µM)	TCACGTTC	GAACGTGA	AACTGGTG
TransNGS® 384 UDI Indexed Adapter 226 for Illumina® (16 µM)	AGGATGGT	ACCATCCT	CGGAATAC
TransNGS® 384 UDI Indexed Adapter 227 for Illumina® (16 µM)	GTGTTCT	AGGAACAC	GCTTCGAA
TransNGS® 384 UDI Indexed Adapter 228 for Illumina® (16 µM)	GTAGCATC	GATGCTAC	CAAGGTCT
TransNGS® 384 UDI Indexed Adapter 229 for Illumina® (16 µM)	AGGATCTG	CAGATCCT	AACCTTGG
TransNGS® 384 UDI Indexed Adapter 230 for Illumina® (16 µM)	GACAAGAG	CTCTTGTC	CCATACGT
TransNGS® 384 UDI Indexed Adapter 231 for Illumina® (16 µM)	TTACGGCT	AGCCGTAA	TGGTCCTT
TransNGS® 384 UDI Indexed Adapter 232 for Illumina® (16 µM)	GCTGTTGT	ACAACAGC	ACCGCATA
TransNGS® 384 UDI Indexed Adapter 233 for Illumina® (16 µM)	AACCGAAG	CTTCGGTT	CCTTCCTT
TransNGS® 384 UDI Indexed Adapter 234 for Illumina® (16 µM)	TCTGCTCT	AGAGCAGA	TACACGCT
TransNGS® 384 UDI Indexed Adapter 235 for Illumina® (16 µM)	CTCAGCTA	TAGCTGAG	TGCGTAGA
TransNGS® 384 UDI Indexed Adapter 236 for Illumina® (16 µM)	CTTCACCA	TGGTGAAG	AAGAGCCA
TransNGS® 384 UDI Indexed Adapter 237 for Illumina® (16 µM)	GATCGTAC	GTACGATC	ATGGAAGG
TransNGS® 384 UDI Indexed Adapter 238 for Illumina® (16 µM)	CTACAGTG	CACTGTAG	GCCAGTAT
TransNGS® 384 UDI Indexed Adapter 239 for Illumina® (16 µM)	TCGAGTGA	TCACTCGA	CGTAGGTT
TransNGS® 384 UDI Indexed Adapter 240 for Illumina® (16 µM)	CAAGTGCA	TGCACTTG	CGAGTATG
TransNGS® 384 UDI Indexed Adapter 241 for Illumina® (16 µM)	CGAGTATG	CATACTCG	CAAGTGCA
TransNGS® 384 UDI Indexed Adapter 242 for Illumina® (16 µM)	CGTAGGTT	AACCTACG	TCGAGTGA
TransNGS® 384 UDI Indexed Adapter 243 for Illumina® (16 µM)	GCCAGTAT	ATACTGGC	CTACAGTG
TransNGS® 384 UDI Indexed Adapter 244 for Illumina® (16 µM)	ATGGAAGG	CCTTCCAT	GATCGTAC
TransNGS® 384 UDI Indexed Adapter 245 for Illumina® (16 µM)	AAGAGCCA	TGGCTCTT	CTTCACCA
TransNGS® 384 UDI Indexed Adapter 246 for Illumina® (16 µM)	TGCGTAGA	TCTACGCA	CTCAGCTA
TransNGS® 384 UDI Indexed Adapter 247 for Illumina® (16 µM)	TACACGCT	AGCGTGTA	TCTGCTCT
TransNGS® 384 UDI Indexed Adapter 248 for Illumina® (16 µM)	CCTTCCTT	AAGGAAGG	AACCGAAG
TransNGS® 384 UDI Indexed Adapter 249 for Illumina® (16 µM)	ACCGCATA	TATGCGGT	GCTGTTGT
TransNGS® 384 UDI Indexed Adapter 250 for Illumina® (16 µM)	TGGTCCTT	AAGGACCA	TTACGGCT
TransNGS® 384 UDI Indexed Adapter 251 for Illumina® (16 µM)	CCATACGT	ACGTATGG	GACAAGAG
TransNGS® 384 UDI Indexed Adapter 252 for Illumina® (16 µM)	AACCTTGG	CCAAGGTT	AGGATCTG



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 253 for Illumina® (16 µM)	CAAGGTCT	AGACCTTG	GTAGCATC
TransNGS® 384 UDI Indexed Adapter 254 for Illumina® (16 µM)	GCTTCGAA	TTCGAAGC	GTGTTCTT
TransNGS® 384 UDI Indexed Adapter 255 for Illumina® (16 µM)	CGGAATAC	GTATTCCG	AGGATGGT
TransNGS® 384 UDI Indexed Adapter 256 for Illumina® (16 µM)	AACTGGTG	CACCAGTT	TCACGTTT
TransNGS® 384 UDI Indexed Adapter 257 for Illumina® (16 µM)	GCTTCTTG	CAAGAAGC	GCGTTCTA
TransNGS® 384 UDI Indexed Adapter 258 for Illumina® (16 µM)	GCAATTCG	CGAATTGC	CTCTGGTT
TransNGS® 384 UDI Indexed Adapter 259 for Illumina® (16 µM)	AGGTCACT	AGTGACCT	TTAGGTCG
TransNGS® 384 UDI Indexed Adapter 260 for Illumina® (16 µM)	CAGCGATT	AATCGCTG	TCTGAGAG
TransNGS® 384 UDI Indexed Adapter 261 for Illumina® (16 µM)	AACCTCCT	AGGAGGTT	TTCAGCCT
TransNGS® 384 UDI Indexed Adapter 262 for Illumina® (16 µM)	TCGACATC	GATGTCGA	TCTCCGAT
TransNGS® 384 UDI Indexed Adapter 263 for Illumina® (16 µM)	CTGGTTCT	AGAACCAG	CAGGTATC
TransNGS® 384 UDI Indexed Adapter 264 for Illumina® (16 µM)	ACAGCAAC	GTTGCTGT	AGTCAGGA
TransNGS® 384 UDI Indexed Adapter 265 for Illumina® (16 µM)	GCATACAG	CTGTATGC	AAGGCTGA
TransNGS® 384 UDI Indexed Adapter 266 for Illumina® (16 µM)	CATCTACG	CGTAGATG	CGATGCTT
TransNGS® 384 UDI Indexed Adapter 267 for Illumina® (16 µM)	TTGTCGGT	ACCGACAA	GTATTGGC
TransNGS® 384 UDI Indexed Adapter 268 for Illumina® (16 µM)	TAGCCGAA	TTCGGCTA	ACTGTGTC
TransNGS® 384 UDI Indexed Adapter 269 for Illumina® (16 µM)	AGGCATAG	CTATGCCT	TGCCTCTT
TransNGS® 384 UDI Indexed Adapter 270 for Illumina® (16 µM)	TTGACAGG	CCTGTCAA	CAGTCTTC
TransNGS® 384 UDI Indexed Adapter 271 for Illumina® (16 µM)	TGCACCAA	TTGGTGCA	CATAACGG
TransNGS® 384 UDI Indexed Adapter 272 for Illumina® (16 µM)	CCAGTGTT	AACACTGG	ACTGCTAG
TransNGS® 384 UDI Indexed Adapter 273 for Illumina® (16 µM)	TGTCCAGA	TCTGGACA	ATTCTGGC
TransNGS® 384 UDI Indexed Adapter 274 for Illumina® (16 µM)	GATTGGAG	CTCCAATC	TTCTCTCG
TransNGS® 384 UDI Indexed Adapter 275 for Illumina® (16 µM)	ACGGTCTT	AAGACCGT	TCCGAGTT
TransNGS® 384 UDI Indexed Adapter 276 for Illumina® (16 µM)	CTGCGTAT	ATACGCAG	CGAACTGT
TransNGS® 384 UDI Indexed Adapter 277 for Illumina® (16 µM)	CACCACTA	TAGTGGTG	AACGGTCA
TransNGS® 384 UDI Indexed Adapter 278 for Illumina® (16 µM)	TGTGGTAC	GTACCACA	AGCAGATG
TransNGS® 384 UDI Indexed Adapter 279 for Illumina® (16 µM)	ACATAGGC	GCCTATGT	TATCAGCG
TransNGS® 384 UDI Indexed Adapter 280 for Illumina® (16 µM)	CAAGCAGT	ACTGCTTG	TCAGACGA
TransNGS® 384 UDI Indexed Adapter 281 for Illumina® (16 µM)	GCACGTAA	TTACGTGC	ACCATGTG
TransNGS® 384 UDI Indexed Adapter 282 for Illumina® (16 µM)	TCGTAGTC	GACTACGA	CTAACTCG
TransNGS® 384 UDI Indexed Adapter 283 for Illumina® (16 µM)	CACTGACA	TGTCAGTG	GCTTAGCT
TransNGS® 384 UDI Indexed Adapter 284 for Illumina® (16 µM)	CGTGTAAT	AGTACACG	CATGGAAC
TransNGS® 384 UDI Indexed Adapter 285 for Illumina® (16 µM)	GAGCTCAA	TTGAGCTC	TAGGATGC
TransNGS® 384 UDI Indexed Adapter 286 for Illumina® (16 µM)	ACGTCGTA	TACGACGT	GTTCAATG
TransNGS® 384 UDI Indexed Adapter 287 for Illumina® (16 µM)	GTCTAGGT	ACCTAGAC	TCGTGGAT
TransNGS® 384 UDI Indexed Adapter 288 for Illumina® (16 µM)	CTTCGTTC	GAACGAAG	ACCTTCTC
TransNGS® 384 UDI Indexed Adapter 289 for Illumina® (16 µM)	CTGAGATC	GATCTCAG	CATTGCCT
TransNGS® 384 UDI Indexed Adapter 290 for Illumina® (16 µM)	GTGGATAG	CTATCCAC	CTAGGTGA
TransNGS® 384 UDI Indexed Adapter 291 for Illumina® (16 µM)	ACCATCCA	TGGATGGT	TCCGTATG
TransNGS® 384 UDI Indexed Adapter 292 for Illumina® (16 µM)	AGAGGTTG	CAACCTCT	ACGATGAC



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 293 for Illumina® (16 µM)	ATGCCAAC	GTTGGCAT	GTCCGTAA
TransNGS® 384 UDI Indexed Adapter 294 for Illumina® (16 µM)	GTTAAGGC	GCCTTAAC	TCGAAGGT
TransNGS® 384 UDI Indexed Adapter 295 for Illumina® (16 µM)	ACCTGACT	AGTCAGGT	AGAAGCGT
TransNGS® 384 UDI Indexed Adapter 296 for Illumina® (16 µM)	GCCACTTA	TAAGTGGC	CTCTACTC
TransNGS® 384 UDI Indexed Adapter 297 for Illumina® (16 µM)	ACCTCTGT	ACAGAGGT	CTAGGCAT
TransNGS® 384 UDI Indexed Adapter 298 for Illumina® (16 µM)	GATCCATG	CATGGATC	TGGAGTTG
TransNGS® 384 UDI Indexed Adapter 299 for Illumina® (16 µM)	CGCTTAAC	GTTAAGCG	GAGGACTT
TransNGS® 384 UDI Indexed Adapter 300 for Illumina® (16 µM)	TGTCTGCT	AGCAGACA	CAATCGAC
TransNGS® 384 UDI Indexed Adapter 301 for Illumina® (16 µM)	ATAAGGCG	CGCCTTAT	TCTAACGC
TransNGS® 384 UDI Indexed Adapter 302 for Illumina® (16 µM)	CGTCTTGT	ACAAGACG	TCTCGCAA
TransNGS® 384 UDI Indexed Adapter 303 for Illumina® (16 µM)	CTCCATGT	ACATGGAG	ATCGGTGT
TransNGS® 384 UDI Indexed Adapter 304 for Illumina® (16 µM)	TGTTTCGAG	CTCGAACA	GAGATACG
TransNGS® 384 UDI Indexed Adapter 305 for Illumina® (16 µM)	AGCAAGCA	TGCTTGCT	GTCTCCTT
TransNGS® 384 UDI Indexed Adapter 306 for Illumina® (16 µM)	CGTATTCG	CGAATACG	AGTCGACA
TransNGS® 384 UDI Indexed Adapter 307 for Illumina® (16 µM)	AACGACGT	ACGTCGTT	CGGATTGA
TransNGS® 384 UDI Indexed Adapter 308 for Illumina® (16 µM)	GTTGCGAT	ATCGCAAC	CACAAGTC
TransNGS® 384 UDI Indexed Adapter 309 for Illumina® (36 µM)	AACGTGGA	TCCACGTT	TACATCGG
TransNGS® 384 UDI Indexed Adapter 310 for Illumina® (16 µM)	CTGTGTTG	CAACACAG	AGCTCCTA
TransNGS® 384 UDI Indexed Adapter 311 for Illumina® (16 µM)	TGATACGC	GCGTATCA	ACTCGTTG
TransNGS® 384 UDI Indexed Adapter 312 for Illumina® (16 µM)	GTCTTCT	AGAAGGAC	CTGACACA
TransNGS® 384 UDI Indexed Adapter 313 for Illumina® (16 µM)	ACAGACCT	AGGTCTGT	CAACCTAG
TransNGS® 384 UDI Indexed Adapter 314 for Illumina® (16 µM)	TGTTGTGG	CCACAACA	AAGGACAC
TransNGS® 384 UDI Indexed Adapter 315 for Illumina® (16 µM)	CATCGTGA	TCACGATG	TGCAGGTA
TransNGS® 384 UDI Indexed Adapter 316 for Illumina® (16 µM)	CAGGAGAT	ATCTCCTG	ACCTAAGG
TransNGS® 384 UDI Indexed Adapter 317 for Illumina® (16 µM)	TAGGTAGG	CCTACCTA	AGTCTGTG
TransNGS® 384 UDI Indexed Adapter 318 for Illumina® (16 µM)	AGTCGCTT	AAGCGACT	AGGTTCGA
TransNGS® 384 UDI Indexed Adapter 319 for Illumina® (16 µM)	CGTTGAGT	ACTCAACG	GA CTATGC
TransNGS® 384 UDI Indexed Adapter 320 for Illumina® (16 µM)	TTCTGTG	CACAGGAA	TT CAGGAG
TransNGS® 384 UDI Indexed Adapter 321 for Illumina® (16 µM)	TGCTCTCA	TGAGACGA	TGTGCGTT
TransNGS® 384 UDI Indexed Adapter 322 for Illumina® (16 µM)	TAACGAGG	CCTCGTTA	CGAGACTA
TransNGS® 384 UDI Indexed Adapter 323 for Illumina® (16 µM)	CTGAAGCT	AGCTTCAG	CTCAGAGT
TransNGS® 384 UDI Indexed Adapter 324 for Illumina® (16 µM)	ATTGCGTG	CACGCAAT	GCCATAAC
TransNGS® 384 UDI Indexed Adapter 325 for Illumina® (16 µM)	CCAAGACT	AGTCTTGG	TTACCGAG
TransNGS® 384 UDI Indexed Adapter 326 for Illumina® (16 µM)	GCTGTAAG	CTTACAGC	GCTCTGTA
TransNGS® 384 UDI Indexed Adapter 327 for Illumina® (16 µM)	GAGTGGTT	AACCACTC	CGTTATGC
TransNGS® 384 UDI Indexed Adapter 328 for Illumina® (16 µM)	AGCTTGAG	CTCAAGCT	GTCTGATC
TransNGS® 384 UDI Indexed Adapter 329 for Illumina® (16 µM)	ACGACAGA	TCTGTCGT	TAGTTGCG
TransNGS® 384 UDI Indexed Adapter 330 for Illumina® (16 µM)	TTCGCAGT	ACTGCGAA	TGATCGGA
TransNGS® 384 UDI Indexed Adapter 331 for Illumina® (16 µM)	CCGATGTA	TACATCGG	CCAAGTTG
TransNGS® 384 UDI Indexed Adapter 332 for Illumina® (16 µM)	TGACGCAT	ATGCGTCA	CCTACTGA



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
TransNGS® 384 UDI Indexed Adapter 333 for Illumina® (16 µM)	T CGCATTG	CAATGCGA	CTTGCTGT
TransNGS® 384 UDI Indexed Adapter 334 for Illumina® (16 µM)	C GTGATCA	TGATCACG	TGCCATTG
TransNGS® 384 UDI Indexed Adapter 335 for Illumina® (16 µM)	G TGAGCTT	AAGCTCAC	TTGATCCG
TransNGS® 384 UDI Indexed Adapter 336 for Illumina® (16 µM)	A GCGGAAT	ATTCCGCT	AGTGCAGT
TransNGS® 384 UDI Indexed Adapter 337 for Illumina® (16 µM)	C GAAGAAC	GTTCTTCG	GACTTAGG
TransNGS® 384 UDI Indexed Adapter 338 for Illumina® (16 µM)	C CGTATCT	AGATACGG	CGTACGAA
TransNGS® 384 UDI Indexed Adapter 339 for Illumina® (16 µM)	G TACTCTC	GAGAGTAC	TACCAGGA
TransNGS® 384 UDI Indexed Adapter 340 for Illumina® (16 µM)	A GTGTTGG	CCAACACT	CGTCAATG
TransNGS® 384 UDI Indexed Adapter 341 for Illumina® (16 µM)	T GAACCTG	CAGGTTCA	GAAGAGGT
TransNGS® 384 UDI Indexed Adapter 342 for Illumina® (16 µM)	T CAAGGAC	GTCCTTGA	GACGAATG
TransNGS® 384 UDI Indexed Adapter 343 for Illumina® (16 µM)	G TGCTTAC	GTAAGCAC	AGGAGGAA
TransNGS® 384 UDI Indexed Adapter 344 for Illumina® (16 µM)	G TGGTGTT	AACACCAC	CTTACAGC
TransNGS® 384 UDI Indexed Adapter 345 for Illumina® (16 µM)	G CTGACTA	TAGTCAGC	GAGATGTC
TransNGS® 384 UDI Indexed Adapter 346 for Illumina® (16 µM)	T GCGAACT	AGTTCGCA	TACGGTTG
TransNGS® 384 UDI Indexed Adapter 347 for Illumina® (16 µM)	A ATACGCG	CGCGTATT	CTATCGCA
TransNGS® 384 UDI Indexed Adapter 348 for Illumina® (16 µM)	A CACGGTT	AACCGTGT	TCGAACCA
TransNGS® 384 UDI Indexed Adapter 349 for Illumina® (16 µM)	C TGCACTT	AAGTGCAG	GAACGCTT
TransNGS® 384 UDI Indexed Adapter 350 for Illumina® (16 µM)	T CAACTGG	CCAGTTGA	CAGAATCG
TransNGS® 384 UDI Indexed Adapter 351 for Illumina® (16 µM)	A GTTGGCT	AGCCAACT	ATGGTTGC
TransNGS® 384 UDI Indexed Adapter 352 for Illumina® (16 µM)	C AGGTTAG	CTAACCTG	GCTGGATT
TransNGS® 384 UDI Indexed Adapter 353 for Illumina® (16 µM)	A CACCAGT	ACTGGTGT	GATGCACT
TransNGS® 384 UDI Indexed Adapter 354 for Illumina® (16 µM)	T GGATCAC	GTGATCCA	ACCAATGC
TransNGS® 384 UDI Indexed Adapter 355 for Illumina® (16 µM)	T GACTTCG	CGAAGTCA	GTCTTAAG
TransNGS® 384 UDI Indexed Adapter 356 for Illumina® (16 µM)	G TGTCTGA	TCAGACAC	CCGACTAT
TransNGS® 384 UDI Indexed Adapter 357 for Illumina® (16 µM)	A GTTACGG	CCGTAAC	TTGGTCTC
TransNGS® 384 UDI Indexed Adapter 358 for Illumina® (16 µM)	A TCTCGCT	AGCGAGAT	GCCTTGTT
TransNGS® 384 UDI Indexed Adapter 359 for Illumina® (16 µM)	G AAGGTTT	GAACCTTC	GATACTGG
TransNGS® 384 UDI Indexed Adapter 360 for Illumina® (16 µM)	G AGCTTGT	ACAAGCTC	ATTCGAGG
TransNGS® 384 UDI Indexed Adapter 361 for Illumina® (16 µM)	T CCAATCG	CGATTGGA	GTCAATTG
TransNGS® 384 UDI Indexed Adapter 362 for Illumina® (16 µM)	C GGTCATA	TATGACCG	GTAGAGCA
TransNGS® 384 UDI Indexed Adapter 363 for Illumina® (16 µM)	T GGCTATC	GATAGCCA	ACGTGATG
TransNGS® 384 UDI Indexed Adapter 364 for Illumina® (16 µM)	C AACGGAT	ATCCGTTG	TAAGTGGC
TransNGS® 384 UDI Indexed Adapter 365 for Illumina® (16 µM)	C TCCTAGA	TCTAGGAG	TGTGAAGC
TransNGS® 384 UDI Indexed Adapter 366 for Illumina® (16 µM)	C CGGAATT	AATTCCGG	CATTCCGT
TransNGS® 384 UDI Indexed Adapter 367 for Illumina® (16 µM)	T AGACGTG	CACGTCTA	TTGGTGAG
TransNGS® 384 UDI Indexed Adapter 368 for Illumina® (16 µM)	T GACTGAC	GTCAGTCA	CAGTTCTG
TransNGS® 384 UDI Indexed Adapter 369 for Illumina® (16 µM)	T AGAGCTC	GAGCTCTA	AGGCTTCT
TransNGS® 384 UDI Indexed Adapter 370 for Illumina® (16 µM)	T CCGTGAA	TTCACGGA	GAATCGTG
TransNGS® 384 UDI Indexed Adapter 371 for Illumina® (16 µM)	C TCGATAC	GTATCGAG	ACCAGCTT
TransNGS® 384 UDI Indexed Adapter 372 for Illumina® (16 µM)	C TTACCTG	CAGGTAAG	CTCATTGC



Adapter Name	i5 Primers		i7 Primers
	MiSeq, HiSeq 2000/2500	MiniSeq, NextSeq, HiSeq 3000/4000	All Illumina Systems
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 373 for Illumina [®] (16 μM)	ATGGCGAA	TTCGCCAT	CGATAGAG
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 374 for Illumina [®] (16 μM)	TCCTACCT	AGGTAGGA	TGGAGAGT
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 375 for Illumina [®] (16 μM)	CCTCAGTT	AACTGAGG	GTATGCTG
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 376 for Illumina [®] (16 μM)	CTACTTGG	CCAAGTAG	CTGGAGTA
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 377 for Illumina [®] (16 μM)	TCACAGCA	TGCTGTGA	AATGCCTC
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 378 for Illumina [®] (16 μM)	CACGTTGT	ACAACGTG	TGAGGTGT
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 379 for Illumina [®] (16 μM)	AAGTCGAG	CTCGACTT	ACATTGCG
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 380 for Illumina [®] (16 μM)	TGTACCGT	ACGGTACA	TCTCTAGG
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 381 for Illumina [®] (16 μM)	CTCATCAG	CTGATGAG	CGCTAGTA
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 382 for Illumina [®] (16 μM)	AGTCTCAC	GTGAGACT	AATGGACG
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 383 for Illumina [®] (16 μM)	CTTG GATG	CATCCAAG	GATAGCGA
<i>TransNGS</i> [®] 384 UDI Indexed Adapter 384 for Illumina [®] (16 μM)	GCCTATCA	TGATAGGC	CGACCATT

Index selection strategy

Illumina sequencers use a green laser to sequence bases G/ T and a red laser to sequence bases A/ C. To ensure the success of sequencing, color balance in each sequencing cycle is required. Therefore, it is necessary to make sure that both green-laser bases and red-laser bases are included in each sequencing cycle when pooling multiple indexes.

During sequencing, if the number of Indexes required in one lane is less than 24, there are multiple Index combinations. The recommended available combinations are as follow:

2 libraries: Index 002 and 003; Index 026 and 027; Index 041 and 042.

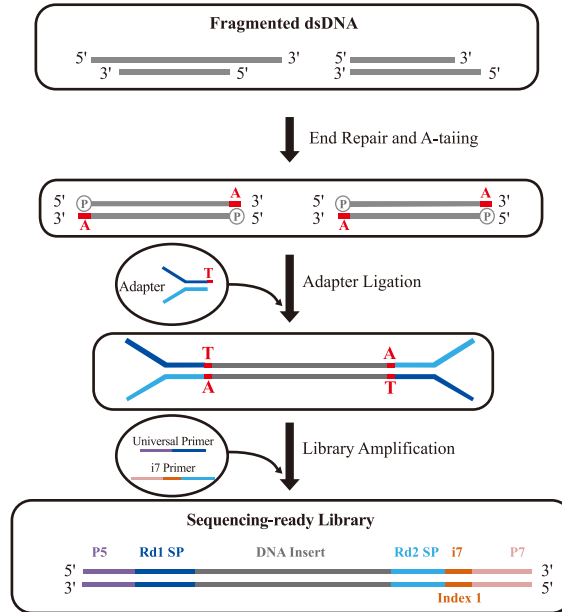
3 libraries: Index 014, 015 and 016; Index 017, 018 and 019; Index 050, 051 and 052.

4 libraries: Index 052, 055, 201 and 233; Index 003, 008, 133 and 241.



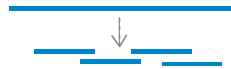
Appendix

Workflow demonstrating the use of this kit with *TransNGS*[®] DNA Library Prep Kit for Illumina[®]:



Workflow demonstrating the use of this kit with *TransNGS*[®] Fast RNA-Seq Library Prep Kit for Illumina[®]

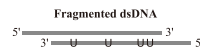
1. RNA fragmentation



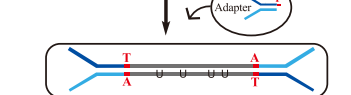
2. First-strand cDNA synthesis



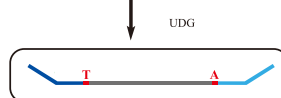
3. Second-strand cDNA synthesis & End-Repair and A-Tailing



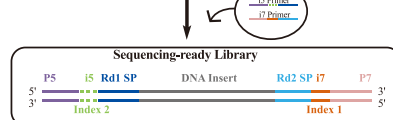
4. Adapter Ligation



5. Second-strand cDNA digestion



6. Library Amplification



If this kit is used with *TransNGS*[®] DNA Library Prep Kit for Illumina[®] or *TransNGS*[®] Fast RNA-Seq Library Prep Kit for Illumina[®], the resulting library has the following sequences:

5'-AATGATACGGCGACCACCGAGATCTACAC[i5]ACACTCTTTCCCTACACGACGCTCTTCCGATCT-XXXXXXXXX
-AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC[i7]ATCTCGTATGCCGTCTTCTGCTTG-3'

i5: Index 2, 8 bases;

i7: Index 1, 8 bases。

For research use only, not for clinical diagnosis.

Version number: V1.0-202203

Service telephone +86-10-57815020

Service email complaints@transgen.com

