Adapter name	Sequence
i7-top_#01_AGAGTTCG	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNAGAGTTCG
i7-top_#02_ACCTGTTG	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNACCTGTTG
i7-top_#03_AATCGCCT	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNAATCGCCT
i7-top_#04_CTGGTTCA	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNCTGGTTCA
i7-top_#05_CGACAAGA	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNCGACAAGA
i7-top_#06_CAGTCGAA	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNCAGTCGAA
i7-top_#07_GTCAGAAC	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNGTCAGAAC
i7-top_#08_GGCAATCT	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNGGCAATCT
i7-top_#09_GTGGTCTT	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNGTGGTCTT
i7-top_#10_TTGTTCCG	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNTTGTTCCG
i7-top_#11_TCGCATTC	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNTCGCATTC
i7-top_#12_TCGAACCA	GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTVBBNTCGAACCA
i7-bottom_#01_AGAGTTCG	TACGAACTCTNVVBAGATCGGAAGAGCA
i7-bottom_#02_ACCTGTTG	TACAACAGGTNVVBAGATCGGAAGAGCA
i7-bottom_#03_AATCGCCT	TAAGGCGATTNVVBAGATCGGAAGAGCA
i7-bottom_#04_CTGGTTCA	TATGAACCAGNVVBAGATCGGAAGAGCA
i7-bottom_#05_CGACAAGA	TATCTTGTCGNVVBAGATCGGAAGAGCA
i7-bottom_#06_CAGTCGAA	TATTCGACTGNVVBAGATCGGAAGAGCA
i7-bottom_#07_GTCAGAAC	TAGTTCTGACNVVBAGATCGGAAGAGCA
i7-bottom_#08_GGCAATCT	TAAGATTGCCNVVBAGATCGGAAGAGCA
i7-bottom_#09_GTGGTCTT	TAAAGACCACNVVBAGATCGGAAGAGCA
i7-bottom_#10_TTGTTCCG	TACGGAACAANVVBAGATCGGAAGAGCA
i7-bottom_#11_TCGCATTC	TAGAATGCGANVVBAGATCGGAAGAGCA
i7-bottom_#12_TCGAACCA	TATGGTTCGANVVBAGATCGGAAGAGCA

Table 1 quaddRAD_i7n inner adapter sequences containing inner barcodes

Adapter name	Sequence
i5top_#01_AAGACTGG	CGCTCTTCCGATCTVBBNAAGACTGGTGCA/3Phos/
i5top_#02_ATGTTGGC	CGCTCTTCCGATCTVBBNATGTTGGCTGCA/3Phos/
i5top_#03_ATTGGCTG	CGCTCTTCCGATCTVBBNATTGGCTGTGCA/3Phos/
i5top_#04_CCTCATCT	CGCTCTTCCGATCTVBBNCCTCATCTTGCA/3Phos/
i5top_#05_CGGAATTG	CGCTCTTCCGATCTVBBNCGGAATTGTGCA/3Phos/
i5top_#06_CAAGGTGA	CGCTCTTCCGATCTVBBNCAAGGTGATGCA/3Phos/
i5top_#07_GACTTGAG	CGCTCTTCCGATCTVBBNGACTTGAGTGCA/3Phos/
i5top_#08_GAATCACG	CGCTCTTCCGATCTVBBNGAATCACGTGCA/3Phos/
i5top_#09_GGATTGTC	CGCTCTTCCGATCTVBBNGGATTGTCTGCA/3Phos/
i5top_#10_TCCTTCAC	CGCTCTTCCGATCTVBBNTCCTTCACTGCA/3Phos/
i5top_#11_TGTCAGTG	CGCTCTTCCGATCTVBBNTGTCAGTGTGCA/3Phos/
i5top_#12_TTCTGAGG	CGCTCTTCCGATCTVBBNTTCTGAGGTGCA/3Phos/
i5bottom_#01AAGACTGG	/5Phos/CCAGTCTTNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#02ATGTTGGC	/5Phos/GCCAACATNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#03ATTGGCTG	/5Phos/CAGCCAATNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#04CCTCATCT	/5Phos/AGATGAGGNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#05CGGAATTG	/5Phos/CAATTCCGNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#06CAAGGTGA	/5Phos/TCACCTTGNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#07GACTTGAG	/5Phos/CTCAAGTCNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#08GAATCACG	/5Phos/CGTGATTCNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#09GGATTGTC	/5Phos/GACAATCCNVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#10TCCTTCAC	/5Phos/GTGAAGGANVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#11TGTCAGTG	/5Phos/CACTGACANVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT
i5bottom_#12TTCTGAGG	/5Phos/CCTCAGAANVVBAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT

Table 2 quaddRAD_i5n adapter sequences containing inner barcodes

Primer name	Sequence
i501_AGCATGGA	AATGATACGGCGACCACCGAGATCTACAC{AGCATGGA}ACACTCTTTCCCTACACGAC*G
i502_CCTGGAAT	AATGATACGGCGACCACCGAGATCTACAC{CCTGGAAT}ACACTCTTTCCCTACACGAC*G
i503_GCAAGCAA	AATGATACGGCGACCACCGAGATCTACAC{GCAAGCAA}ACACTCTTTCCCTACACGAC*G
i504_TGAGGATG	AATGATACGGCGACCACCGAGATCTACAC{TGAGGATG}ACACTCTTTCCCTACACGAC*G
i701_ACACTCAG	CAAGCAGAAGACGGCATACGAGAT{CTGAGTGT}GTGACTGGAGTTCAGACGTGTGC*T
i702_CAGTCGAA	CAAGCAGAAGACGGCATACGAGAT{TTCGACTG}GTGACTGGAGTTCAGACGTGTGC*T
i703_GGCTCAAT	CAAGCAGAAGACGGCATACGAGAT{ATTGAGCC}GTGACTGGAGTTCAGACGTGTGC*T
i704_TTCCGCTT	CAAGCAGAAGACGGCATACGAGAT{AAGCGGAA}GTGACTGGAGTTCAGACGTGTGC*T

Table 3 Indexing primer sequences containing combinatorial outer barcodes