

Primers	Sequence
ARC141/ 142	5'-GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT*T-3'
	5'-/5Phos/AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC/3AmMO/-3'
ARC143/ 144	5'-/5Biosg/ACACTCTTTCCTACACGACGCTCTTCCGATCTNNNNNN/3AmMO/-3'
	5'-/5Phos/AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGT/3AmMO/-3'
ARC154	5'-ACACTCTTTCCTACACGACGCTCTTCCGATCT-3'
ARC49	5'- <u>AATGATACGGCGACCACCGAGATCTACACTCTTTCCTACACGACGCTCTTCCGATCT</u> -3'
ARC78	5'- <i>CAAGCAGAAGACGGCATACGAGAT</i> <b><u>CGTGAT</u></b> GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT-3'
ARC84	5'- <i>CAAGCAGAAGACGGCATACGAGAT</i> <b><u>ACATCGG</u></b> TGACTGGAGTTCAGACGTGTGCTCTTCCGATCT-3'
ARC85	5'- <i>CAAGCAGAAGACGGCATACGAGAT</i> <b><u>GCCTAAG</u></b> TGACTGGAGTTCAGACGTGTGCTCTTCCGATCT-3'
ARC86	5'- <i>CAAGCAGAAGACGGCATACGAGAT</i> <b><u>TGGTC</u></b> AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT-3'

**Table S3. Oligonucleotide sequences for CPD-seq.** Illumina *P5* and *P7* adapters are indicated underlined and italicized respectively, and **indexes** are shown in bold and underline. Oligo 5' modifications are also indicated. All oligos were from Integrated DNA technologies (Coralville, IA).