Schematic diagram representing ligation of barcodes and primers to the targeted

amplicon region. The barcode-complex (a) consists of Primer A (CGTATCGCCTCCCTCGCGCCATCAG) or Primer B (CTATGCGCCTTGCCAGCCCGCTCAG) (blue), a library-specific key (red), multiplex identifier (MID) or barcode (orange), consensus sequence CS1 (ACACTGACGACATGGTTCTACA) or CS2 (CTATGCGCCTTGCCAGCCCGCTCAG) (green). The primer complex (b) consists of consensus sequence and sequence specific

forward/reverse primer (purple). The barcode and primer complex bind together to form the

barcode-primer complex (c), and further onto the genomic DNA to form the final barcode primer- sequence complex (e).