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      .   :   .   :   .   :   .   :   .   :   .   :
R2+  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C
R3+  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C
R1+  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C
R4-  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C
R5-          GCGCACCCGGACCAGCCCCATAGAAACCTATGAAGAGTCACTTCTCAA
R6-  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C

consensus  CCCTCGTGTGCGCGCACCCGGGCCAGCCCCATAGAAACATCTGAGGAGTCACTTCCTC-C

      .   :   .   :   .   :   .   :   .   :   .   :
R2+  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG
R3+  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG
R1+  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG
R4-  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG
R5-  CTTGACTATCGCCCGCCCGGCCGGATGTAGTCGCCTCCTGGCAAGCTTCAGGCACCTCAG
R6-  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG

consensus  CATGACTCTCGCCCGCCCGGCCGGCTGGAGTCGGCTCCTGGCAAGCTTCAGGCACCTCAG

      .   :   .   :   .   :   .   :   .   :   .   :
R2+  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTCCAGTTCTC
R3+  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTTCAGTTTCGT
R1+  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTCCAGTTCTC
R4-  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTCCAGTTCTC
R5-  TTGTCATGATTACCCACAGCCCACCTTTCCTTATCGAAGCCCCTGAGAGCCTCCAGTCTCTC
R6-  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTCCAGTTCTC

consensus  TTGTCCTGAATACACACAGCACCCCTTTCCTTACTGAAGCCCCTGAGAGCCTCCAGTTCTC

      .   :   .   :   .   :   .   :   .   :   .   :
R2+  CCTCCTTGCT-CACCCAGACTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGTAAAT
R3+  CCTCCTTGCTTCACCACACTTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGGAAAT
R1+  CCTCCTTGCT-CACCCACACTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGTAAAT
R4-  CCTCCTTGCT-CACCCACACTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGTAAAT
R5-  CCTACACGTT-CCCACACAATACCTCCATCCCGGCCCTTCAGAGTTCCAAAGGGTAAAT
R6-  CCTCCTTGCT-CACCCACACTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGTAAAT

consensus  CCTCCTTGCT-CACCCACACTTCCTCCCTCCCGGCCCTTCAGCGTTCCAAAGGGTAAAT

      .   :   .   :   .   :   .   :   .   :   .   :
R2+  -GTGGGCTGGGAAGACAGCTCAGCAGTGGAGAAATCGGGGTGCAGG-TCAGTTGCTGCAT
R3+  TGTGGGCTGGGAAGACAGCTCA
R1+  -GTGGGCTGGGA
R4-  -GTGGGCTGGGAAGACAGCTCAGCAGTGGAGAAATCGGGGTGCAGG-TCAGTTGCTGCAT
R5-  -GTGGGCTGGGAAGCCAGCTCAGCAGTGGAGACACCGGGGTGCAGAATCAGTCGCTGTAT
R6-  -GTGGGCTGGGAAGACAGCTCAGCAGTGGAGAAATCGGGGTGCAGG-TCAGTTGCTGCAT

consensus  -GTGGGCTGGGAAGACAGCTCAGCAGTGGAGAAATCGGGGTGCAGG-TCAGTTGCTGCAT

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Figure 2.6 A portion of a multiple alignment of reads and a consensus sequence produced by CAP3 on the example data set.