

## Formatted Alignments

N1 245625 MiSeq	1	ATGAATCCAAATCAAAAAGATAACAACCATTTGGATCAATCTGTATGGTAATTGGGATAGTC	60
N1 245626 Method A	1	ATGAATCCAAATCAAAAAGATAACAACCATTTGGATCAATCTGTATGGTAATTGGGATAGTC	60
N1 245626 Method S	1	ATGAATCCAAATCAAAAAGATAACAACCATTTGGATCAATCTGTATGGTAATTGGGATAGTC	60
N1 245626 Method K	1	ATGAATCCAAATCAAAAAGATAACAACCATTTGGATCAATCTGTATGGTAATTGGGATAGTC	60
N1 245626 Method N	1	ATGAATCCAAATCAAAAAGATAACAACCATTTGGATCAATCTGTATGGTAATTGGGATAGTC	60
N1 245625 MiSeq	61	AGCTTGATGCTGCAAATTGGGAACATAATCTCAATATGGGTTAGCCATTCAATCCAAACA	120
N1 245626 Method A	61	AGCTTGATGCTGCAAATTGGGAACATAATCTCAATATGGGTTAGCCATTCAATCCAAACA	120
N1 245626 Method S	61	AGCTTGATGCTGCAAATTGGGAACATAATCTCAATATGGGTTAGCCATTCAATCCAAACA	120
N1 245626 Method K	61	AGCTTGATGCTGCAAATTGGGAACATAATCTCAATATGGGTTAGCCATTCAATCCAAACA	120
N1 245626 Method N	61	AGCTTGATGCTGCAAATTGGGAACATAATCTCAATATGGGTTAGCCATTCAATCCAAACA	120
N1 245625 MiSeq	121	GGGAATCAATACCAGCCTGAACCATGCAATCAAAGCATCATTACCTATGAGAACAACACC	180
N1 245626 Method A	121	GGGAATCAATACCAGCCTGAACCATGCAATCAAAGCATCATTACCTATGAGAACAACACC	180
N1 245626 Method S	121	GGGAATCAATACCAGCCTGAACCATGCAATCAAAGCATCATTACCTATGAGAACAACACC	180
N1 245626 Method K	121	GGGAATCAATACCAGCCTGAACCATGCAATCAAAGCATCATTACCTATGAGAACAACACC	180
N1 245626 Method N	121	GGGAATCAATACCAGCCTGAACCATGCAATCAAAGCATCATTACCTATGAGAACAACACC	180
N1 245625 MiSeq	181	TGGGTAAATCAGACGTATGTCAACATCAGCAATACCAATTTTCTTGCTGAGCAGGCTGTT	240
N1 245626 Method A	181	TGGGTAAATCAGACGTATGTCAACATCAGCAATACCAATTTTCTTGCTGAGCAGGCTGTT	240
N1 245626 Method S	181	TGGGTAAATCAGACGTATGTCAACATCAGCAATACCAATTTTCTTGCTGAGCAGGCTGTT	240
N1 245626 Method K	181	TGGGTAAATCAGACGTATGTCAACATCAGCAATACCAATTTTCTTGCTGAGCAGGCTGTT	240
N1 245626 Method N	181	TGGGTAAATCAGACGTATGTCAACATCAGCAATACCAATTTTCTTGCTGAGCAGGCTGTT	240
N1 245625 MiSeq	241	ACTTCGGTAACATTAGCGGGCAATTCATCTCTTTGCCCTATTAGTGGGTGGGCAATATAC	300
N1 245626 Method A	241	ACTTCGGTAACATTAGCGGGCAATTCATCTCTTTGCCCTATTAGTGGGTGGGCAATATAC	300
N1 245626 Method S	241	ACTTCGGTAACATTAGCGGGCAATTCATCTCTTTGCCCTATTAGTGGGTGGGCAATATAC	300
N1 245626 Method K	241	ACTTCGGTAACATTAGCGGGCAATTCATCTCTTTGCCCTATTAGTGGGTGGGCAATATAC	300
N1 245626 Method N	241	ACTTCGGTAACATTAGCGGGCAATTCATCTCTTTGCCCTATTAGTGGGTGGGCAATATAC	300

N1 245625 MiSeq	301	AGTAAGGACAACGGTATAAGAATTGGGTCCAAGGGGGATGTGTTTGT	360
N1 245626 Method A	301	AGTAAGGACAACGGTATAAGAATTGGGTCCAAGGGGGATGTGTTTGT	360
N1 245626 Method S	301	AGTAAGGACAACGGTATAAGAATTGGGTCCAAGGGGGATGTGTTTGT	360
N1 245626 Method K	301	AGTAAGGACAACGGTATAAGAATTGGGTCCAAGGGGGATGTGTTTGT	360
N1 245626 Method N	301	AGTAAGGACAACGGTATAAGAATTGGGTCCAAGGGGGATGTGTTTGT	360

N1 245625 MiSeq	361	TTCATCTCATGCTCCCACTTGGAATGCAGAACCTTTTTCTGACCCAGGGAGCTCTGCTG	420
N1 245626 Method A	361	TTCATCTCATGCTCCCACTTGGAATGCAGAACCTTTTTCTGACCCAGGGAGCTCTGCTG	420
N1 245626 Method S	361	TTCATCTCATGCTCCCACTTGGAATGCAGAACCTTTTTCTGACCCAGGGAGCTCTGCTG	420
N1 245626 Method K	361	TTCATCTCATGCTCCCACTTGGAATGCAGAACCTTTTTCTGACCCAGGGAGCTCTGCTG	420
N1 245626 Method N	361	TTCATCTCATGCTCCCACTTGGAATGCAGAACCTTTTTCTGACCCAGGGAGCTCTGCTG	420

N1 245625 MiSeq	421	AATGACAAACATTCTAATGGGACCGTTAAGGATAGAAGCCCTTATAGAACTTTGATGAGT	480
N1 245626 Method A	421	AATGACAAACATTCTAATGGGACCGTTAAGGATAGAAGCCCTTATAGAACTTTGATGAGT	480
N1 245626 Method S	421	AATGACAAACATTCTAATGGGACCGTTAAGGATAGAAGCCCTTATAGAACTTTGATGAGT	480
N1 245626 Method K	421	AATGACAAACATTCTAATGGGACCGTTAAGGATAGAAGCCCTTATAGAACTTTGATGAGT	480
N1 245626 Method N	421	AATGACAAACATTCTAATGGGACCGTTAAGGATAGAAGCCCTTATAGAACTTTGATGAGT	480

N1 245625 MiSeq	481	TGTCCCGTGGGTGAGGCTCCTTCCCCGTACAATTCAAGATTTGAGTCTGTTGCTTGGTCTG	540
N1 245626 Method A	481	TGTCCCGTGGGTGAGGCTCCTTCCCCGTACAATTCAAGATTTGAGTCTGTTGCTTGGTCTG	540
N1 245626 Method S	481	TGTCCCGTGGGTGAGGCTCCTTCCCCGTACAATTCAAGATTTGAGTCTGTTGCTTGGTCTG	540
N1 245626 Method K	481	TGTCCCGTGGGTGAGGCTCCTTCCCCGTACAATTCAAGATTTGAGTCTGTTGCTTGGTCTG	540
N1 245626 Method N	481	TGTCCCGTGGGTGAGGCTCCTTCCCCGTACAATTCAAGATTTGAGTCTGTTGCTTGGTCTG	540

N1 245625 MiSeq	541	GCAAGTGCTTGTCATGATGGCATCAGTTGGTTGACAATCGGTATTTCTGGTCCAGACAAT	600
N1 245626 Method A	541	GCAAGTGCTTGTCATGATGGCATCAGTTGGTTGACAATCGGTATTTCTGGTCCAGACAAT	600
N1 245626 Method S	541	GCAAGTGCTTGTCATGATGGCATCAGTTGGTTGACAATCGGTATTTCTGGTCCAGACAAT	600
N1 245626 Method K	541	GCAAGTGCTTGTCATGATGGCATCAGTTGGTTGACAATCGGTATTTCTGGTCCAGACAAT	600
N1 245626 Method N	541	GCAAGTGCTTGTCATGATGGCATCAGTTGGTTGACAATCGGTATTTCTGGTCCAGACAAT	600

N1 245625 MiSeq	601	GGAGCTGTGGCTGTATTGAAGTACAATGGCATAATAACGGATACTATCAAGAGTTGGAGA	660
N1 245626 Method A	601	GGAGCTGTGGCTGTATTGAAGTACAATGGCATAATAACGGATACTATCAAGAGTTGGAGA	660
N1 245626 Method S	601	GGAGCTGTGGCTGTATTGAAGTACAATGGCATAATAACGGATACTATCAAGAGTTGGAGA	660
N1 245626 Method K	601	GGAGCTGTGGCTGTATTGAAGTACAATGGCATAATAACGGATACTATCAAGAGTTGGAGA	660
N1 245626 Method N	601	GGAGCTGTGGCTGTATTGAAGTACAATGGCATAATAACGGATACTATCAAGAGTTGGAGA	660

N1 245625 MiSeq	661	AACAACATTTTGAGAACTCAAGAATCTGAATGTGCGTGCGTAAATGGCTCTTGCTTCACC	720
N1 245626 Method A	661	AACAACATTTTGAGAACTCAAGAATCTGAATGTGCGTGCGTAAATGGCTCTTGCTTCACC	720
N1 245626 Method S	661	AACAACATTTTGAGAACTCAAGAATCTGAATGTGCGTGCGTAAATGGCTCTTGCTTCACC	720
N1 245626 Method K	661	AACAACATTTTGAGAACTCAAGAATCTGAATGTGCGTGCGTAAATGGCTCTTGCTTCACC	720
N1 245626 Method N	661	AACAACATTTTGAGAACTCAAGAATCTGAATGTGCGTGCGTAAATGGCTCTTGCTTCACC	720

N1 245625 MiSeq	721	GTAATGACTGATGGACCAAGCAATGGGCAGGCCTCATATAAAATCTTCAAGATAGAGAAA	780
N1 245626 Method A	721	GTAATGACTGATGGACCAAGCAATGGGCAGGCCTCATATAAAATCTTCAAGATAGAGAAA	780
N1 245626 Method S	721	GTAATGACTGATGGACCAAGCAATGGGCAGGCCTCATATAAAATCTTCAAGATAGAGAAA	780
N1 245626 Method K	721	GTAATGACTGATGGACCAAGCAATGGGCAGGCCTCATATAAAATCTTCAAGATAGAGAAA	780
N1 245626 Method N	721	GTAATGACTGATGGACCAAGCAATGGGCAGGCCTCATATAAAATCTTCAAGATAGAGAAA	780

N1 245625 MiSeq	781	GGGAAAGTTGTCAAATCAGTTGAATTGAATGCCCCTAATTACCACTACGAGGAATGCTCC	840
N1 245626 Method A	781	GGGAAAGTTGTCAAATCAGTTGAATTGAATGCCCCTAATTACCACTACGAGGAATGCTCC	840
N1 245626 Method S	781	GGGAAAGTTGTCAAATCAGTTGAATTGAATGCCCCTAATTACCACTACGAGGAATGCTCC	840
N1 245626 Method K	781	GGGAAAGTTGTCAAATCAGTTGAATTGAATGCCCCTAATTACCACTACGAGGAATGCTCC	840
N1 245626 Method N	781	GGGAAAGTTGTCAAATCAGTTGAATTGAATGCCCCTAATTACCACTACGAGGAATGCTCC	840

N1 245625 MiSeq	841	TGTTATCCTGATGCGGGTGATATTATGTGTGTGTGCAGGGACAATTGGCATGGCTCAAAC	900
N1 245626 Method A	841	TGTTATCCTGATGCGGGTGATATTATGTGTGTGTGCAGGGACAATTGGCATGGCTCAAAC	900
N1 245626 Method S	841	TGTTATCCTGATGCGGGTGATATTATGTGTGTGTGCAGGGACAATTGGCATGGCTCAAAC	900
N1 245626 Method K	841	TGTTATCCTGATGCGGGTGATATTATGTGTGTGTGCAGGGACAATTGGCATGGCTCAAAC	900
N1 245626 Method N	841	TGTTATCCTGATGCGGGTGATATTATGTGTGTGTGCAGGGACAATTGGCATGGCTCAAAC	900

N1 245625 MiSeq	901	CGGCCGTGGGTATCTTTTAATCAAAATCTGGAGTATCAAATAGGATATATATGCAGTGGG	960
N1 245626 Method A	901	CGGCCGTGGGTATCTTTTAATCAAAATCTGGAGTATCAAATAGGATATATATGCAGTGGG	960
N1 245626 Method S	901	CGGCCGTGGGTATCTTTTAATCAAAATCTGGAGTATCAAATAGGATATATATGCAGTGGG	960
N1 245626 Method K	901	CGGCCGTGGGTATCTTTTAATCAAAATCTGGAGTATCAAATAGGATATATATGCAGTGGG	960
N1 245626 Method N	901	CGGCCGTGGGTATCTTTTAATCAAAATCTGGAGTATCAAATAGGATATATATGCAGTGGG	960
N1 245625 MiSeq	961	GTTTTCGGGGACAATCCCCGCCCAATGATGGAACAGGCAGTTGCAGTCCAATGTCCTCT	1020
N1 245626 Method A	961	GTTTTCGGGGACAATCCCCGCCCAATGATGGAACAGGCAGTTGCAGTCCAATGTCCTCT	1020
N1 245626 Method S	961	GTTTTCGGGGACAATCCCCGCCCAATGATGGAACAGGCAGTTGCAGTCCAATGTCCTCT	1020
N1 245626 Method K	961	GTTTTCGGGGACAATCCCCGCCCAATGATGGAACAGGCAGTTGCAGTCCAATGTCCTCT	1020
N1 245626 Method N	961	GTTTTCGGGGACAATCCCCGCCCAATGATGGAACAGGCAGTTGCAGTCCAATGTCCTCT	1020
N1 245625 MiSeq	1021	AATGGGGCATATGGGGTAAAAGGGTTTTTCATTTAAGTACGGTAATGGGGTTTGGATCGGA	1080
N1 245626 Method A	1021	AATGGGGCATATGGGGTAAAAGGGTTTTTCATTTAAGTACGGTAATGGGGTTTGGATCGGA	1080
N1 245626 Method S	1021	AATGGGGCATATGGGGTAAAAGGGTTTTTCATTTAAGTACGGTAATGGGGTTTGGATCGGA	1080
N1 245626 Method K	1021	AATGGGGCATATGGGGTAAAAGGGTTTTTCATTTAAGTACGGTAATGGGGTTTGGATCGGA	1080
N1 245626 Method N	1021	AATGGGGCATATGGGGTAAAAGGGTTTTTCATTTAAGTACGGTAATGGGGTTTGGATCGGA	1080
N1 245625 MiSeq	1081	AGAACAAAAAGCACTAGTTCCAGAAGCGGCTTTGAGATGATTTGGGATCCGAATGGGTGG	1140
N1 245626 Method A	1081	AGAACAAAAAGCACTAGTTCCAGAAGCGGCTTTGAGATGATTTGGGATCCGAATGGGTGG	1140
N1 245626 Method S	1081	AGAACAAAAAGCACTAGTTCCAGAAGCGGCTTTGAGATGATTTGGGATCCGAATGGGTGG	1140
N1 245626 Method K	1081	AGAACAAAAAGCACTAGTTCCAGAAGCGGCTTTGAGATGATTTGGGATCCGAATGGGTGG	1140
N1 245626 Method N	1081	AGAACAAAAAGCACTAGTTCCAGAAGCGGCTTTGAGATGATTTGGGATCCGAATGGGTGG	1140
N1 245625 MiSeq	1141	ACTGAGACGGACAGTAGTTTCTCAGTGAAGCAAGACATTGTAGAAATAACTGACTGGTCA	1200
N1 245626 Method A	1141	ACTGAGACGGACAGTAGTTTCTCAGTGAAGCAAGACATTGTAGAAATAACTGACTGGTCA	1200
N1 245626 Method S	1141	ACTGAGACGGACAGTAGTTTCTCAGTGAAGCAAGACATTGTAGAAATAACTGACTGGTCA	1200
N1 245626 Method K	1141	ACTGAGACGGACAGTAGTTTCTCAGTGAAGCAAGACATTGTAGAAATAACTGACTGGTCA	1200
N1 245626 Method N	1141	ACTGAGACGGACAGTAGTTTCTCAGTGAAGCAAGACATTGTAGAAATAACTGACTGGTCA	1200

<b>N1 245625 MiSeq</b>	1201	GGATATAGTGGGAGTTTTGTCCAGCATCCAGAAGTACAGGATTAGATTGCATGAGGCCT	1260
<b>N1 245626 Method A</b>	1201	GGATATAGTGGGAGTTTTGTCCAGCATCCAGAAGTACAGGATTAGATTGCATGAGGCCT	1260
<b>N1 245626 Method S</b>	1201	GGATATAGTGGGAGTTTTGTCCAGCATCCAGAAGTACAGGATTAGATTGCATGAGGCCT	1260
<b>N1 245626 Method K</b>	1201	GGATATAGTGGGAGTTTTGTCCAGCATCCAGAAGTACAGGATTAGATTGCATGAGGCCT	1260
<b>N1 245626 Method N</b>	1201	GGATATAGTGGGAGTTTTGTCCAGCATCCAGAAGTACAGGATTAGATTGCATGAGGCCT	1260

<b>N1 245625 MiSeq</b>	1261	TGTTTCTGGGTTGAGCTAATTAGAGGGAGGCCCAAAGAGAACACAATTTGGACTAGCGGG	1320
<b>N1 245626 Method A</b>	1261	TGTTTCTGGGTTGAGCTAATTAGAGGGAGGCCCAAAGAGAACACAATTTGGACTAGCGGG	1320
<b>N1 245626 Method S</b>	1261	TGTTTCTGGGTTGAGCTAATTAGAGGGAGGCCCAAAGAGAACACAATTTGGACTAGCGGG	1320
<b>N1 245626 Method K</b>	1261	TGTTTCTGGGTTGAGCTAATTAGAGGGAGGCCCAAAGAGAACACAATTTGGACTAGCGGG	1320
<b>N1 245626 Method N</b>	1261	TGTTTCTGGGTTGAGCTAATTAGAGGGAGGCCCAAAGAGAACACAATTTGGACTAGCGGG	1320

<b>N1 245625 MiSeq</b>	1321	AGCAGCATATCCTTTTGTGGTGTAATAAGTGACACTGTGGGTTGGTCTTGGCCAGACGGT	1380
<b>N1 245626 Method A</b>	1321	AGCAGCATATCCTTTTGTGGTGTAATAAGTGACACTGTGGGTTGGTCTTGGCCAGACGGT	1380
<b>N1 245626 Method S</b>	1321	AGCAGCATATCCTTTTGTGGTGTAATAAGTGACACTGTGGGTTGGTCTTGGCCAGACGGT	1380
<b>N1 245626 Method K</b>	1321	AGCAGCATATCCTTTTGTGGTGTAATAAGTGACACTGTGGGTTGGTCTTGGCCAGACGGT	1380
<b>N1 245626 Method N</b>	1321	AGCAGCATATCCTTTTGTGGTGTAATAAGTGACACTGTGGGTTGGTCTTGGCCAGACGGT	1380

<b>N1 245625 MiSeq</b>	1381	GCTGAGTTGCCATTCAACATTGACAAGTAG	1410
<b>N1 245626 Method A</b>	1381	GCTGAGTTGCCATTCAACATTGACAAGTAG	1410
<b>N1 245626 Method S</b>	1381	GCTGAGTTGCCATTCAACATTGACAAGTAG	1410
<b>N1 245626 Method K</b>	1381	GCTGAGTTGCCATTCAACATTGACAAGTAG	1410
<b>N1 245626 Method N</b>	1381	GCTGAGTTGCCATTCAACATTGACAAGTAG	1410