

## Formatted Alignments

PA 245467 MiSeq	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 245467 Method A	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 245467 Method S	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 245467 Method E	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 245467 Method K	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 245467 Method N	1	ATGGAAGACTTTATGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60

PA 245467 MiSeq	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 245467 Method A	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 245467 Method S	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 245467 Method E	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 245467 Method K	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 245467 Method N	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120

PA 245467 MiSeq	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 245467 Method A	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 245467 Method S	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 245467 Method E	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 245467 Method K	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 245467 Method N	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180

PA 245467 MiSeq	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 245467 Method A	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 245467 Method S	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 245467 Method E	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 245467 Method K	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 245467 Method N	181	ATGATTGTAGAATCTGGCGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240

PA 245467 MiSeq	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 245467 Method A	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 245467 Method S	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGAGTC	300
PA 245467 Method E	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 245467 Method K	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 245467 Method N	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300

PA 245467 MiSeq	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 245467 Method A	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 245467 Method S	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 245467 Method E	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 245467 Method K	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 245467 Method N	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360

PA 245467 MiSeq	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 245467 Method A	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 245467 Method S	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 245467 Method E	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 245467 Method K	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 245467 Method N	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420

PA 245467 MiSeq	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 245467 Method A	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 245467 Method S	421	GAGAAAACACACATTTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 245467 Method E	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 245467 Method K	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 245467 Method N	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480

PA 245467 MiSeq	481	TACACCCTTGATGAAGAGAGCAGGGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 245467 Method A	481	TACACCCTTGATGAAGAGAGCAGGGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 245467 Method S	481	TACACCCTTGATGAAGAAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 245467 Method E	481	TACACCCTTGATGAAGAGAGCAGGGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 245467 Method K	481	TACACCCTTGATGAAGAGAGCAGGGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 245467 Method N	481	TACACCCTTGATGAAGAGAGCAGGGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540

PA 245467 MiSeq	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 245467 Method A	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 245467 Method S	541	GAAATGGCTAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 245467 Method E	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 245467 Method K	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 245467 Method N	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600

PA 245467 MiSeq	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCCTCCCA	660
PA 245467 Method A	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCCTCCCA	660
PA 245467 Method S	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCTCTCCCA	660
PA 245467 Method E	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCCTCCCA	660
PA 245467 Method K	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCCTCCCA	660
PA 245467 Method N	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGCCTCCCA	660

PA 245467 MiSeq	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 245467 Method A	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 245467 Method S	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 245467 Method E	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 245467 Method K	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 245467 Method N	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720

PA 245467 MiSeq	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 245467 Method A	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 245467 Method S	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 245467 Method E	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 245467 Method K	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 245467 Method N	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780

PA 245467 MiSeq	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840
PA 245467 Method A	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840
PA 245467 Method S	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840
PA 245467 Method E	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840
PA 245467 Method K	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840
PA 245467 Method N	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCTCTGTTCTCAGCGGTCTG	840

PA 245467 MiSeq	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900
PA 245467 Method A	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900
PA 245467 Method S	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900
PA 245467 Method E	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900
PA 245467 Method K	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900
PA 245467 Method N	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGCCATGAGGGGGGAG	900

PA 245467 MiSeq	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 245467 Method A	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 245467 Method S	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 245467 Method E	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 245467 Method K	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 245467 Method N	901	GGCATAACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960

PA 245467 MiSeq	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 245467 Method A	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 245467 Method S	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 245467 Method E	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 245467 Method K	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 245467 Method N	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020

PA 245467 MiSeq	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 245467 Method A	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 245467 Method S	1021	GTGCTGGCAGAACTTCAAGA[TG]TTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 245467 Method E	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 245467 Method K	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 245467 Method N	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080

PA 245467 MiSeq	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 245467 Method A	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 245467 Method S	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATAGC[CCAGAAAAAGTGGAC	1140
PA 245467 Method E	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 245467 Method K	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 245467 Method N	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140

PA 245467 MiSeq	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 245467 Method A	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 245467 Method S	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACA[A]TACGACAGTGACGAACCAGAGTCT	1200
PA 245467 Method E	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 245467 Method K	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 245467 Method N	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200

PA 245467 MiSeq	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 245467 Method A	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 245467 Method S	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 245467 Method E	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 245467 Method K	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 245467 Method N	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260

PA 245467 MiSeq	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 245467 Method A	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 245467 Method S	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 245467 Method E	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 245467 Method K	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 245467 Method N	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320

PA 245467 MiSeq	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 245467 Method A	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 245467 Method S	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 245467 Method E	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 245467 Method K	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 245467 Method N	1321	GTGAGGAGGAACTATTTTCACAGCGGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380

PA 245467 MiSeq	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440
PA 245467 Method A	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440
PA 245467 Method S	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440
PA 245467 Method E	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440
PA 245467 Method K	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440
PA 245467 Method N	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGACTTC	1440

<b>PA 245467 MiSeq</b>	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAGGAAGGAAGACGGAAGACAAATCTG	1500
<b>PA 245467 Method A</b>	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAGGAAGGAAGACGGAAGACAAATCTG	1500
<b>PA 245467 Method S</b>	1441	CAACTGATTCCAATGATAAGTAAAGTGCAGAACTAAAGGAAGGAAGACGGAAGACAAATCTG	1500
<b>PA 245467 Method E</b>	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAGGAAGGAAGACGGAAGACAAATCTG	1500
<b>PA 245467 Method K</b>	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAGGAAGGAAGACGGAAGACAAATCTG	1500
<b>PA 245467 Method N</b>	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAGGAAGGAAGACGGAAGACAAATCTG	1500

<b>PA 245467 MiSeq</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
<b>PA 245467 Method A</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
<b>PA 245467 Method S</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
<b>PA 245467 Method E</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
<b>PA 245467 Method K</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
<b>PA 245467 Method N</b>	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560

<b>PA 245467 MiSeq</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
<b>PA 245467 Method A</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
<b>PA 245467 Method S</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
<b>PA 245467 Method E</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
<b>PA 245467 Method K</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
<b>PA 245467 Method N</b>	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620

<b>PA 245467 MiSeq</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
<b>PA 245467 Method A</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
<b>PA 245467 Method S</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
<b>PA 245467 Method E</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
<b>PA 245467 Method K</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
<b>PA 245467 Method N</b>	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680

<b>PA 245467 MiSeq</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
<b>PA 245467 Method A</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
<b>PA 245467 Method S</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
<b>PA 245467 Method E</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
<b>PA 245467 Method K</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
<b>PA 245467 Method N</b>	1681	ATGTTTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740

<b>PA 245467 MiSeq</b>	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
<b>PA 245467 Method A</b>	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
<b>PA 245467 Method S</b>	1741	ATGAG <sup>A</sup> CGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCA <sup>C</sup> GATTGAGGCCGAATCT	1800
<b>PA 245467 Method E</b>	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
<b>PA 245467 Method K</b>	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
<b>PA 245467 Method N</b>	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800

<b>PA 245467 MiSeq</b>	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
<b>PA 245467 Method A</b>	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
<b>PA 245467 Method S</b>	1801	TCTGTCAAAGAGAAGGACATG <sup>A</sup> CCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
<b>PA 245467 Method E</b>	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
<b>PA 245467 Method K</b>	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
<b>PA 245467 Method N</b>	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860

<b>PA 245467 MiSeq</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
<b>PA 245467 Method A</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
<b>PA 245467 Method S</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
<b>PA 245467 Method E</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
<b>PA 245467 Method K</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
<b>PA 245467 Method N</b>	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920



<b>PA 245467 MiSeq</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
<b>PA 245467 Method A</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
<b>PA 245467 Method S</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
<b>PA 245467 Method E</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
<b>PA 245467 Method K</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
<b>PA 245467 Method N</b>	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980

<b>PA 245467 MiSeq</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
<b>PA 245467 Method A</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
<b>PA 245467 Method S</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
<b>PA 245467 Method E</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
<b>PA 245467 Method K</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
<b>PA 245467 Method N</b>	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040

<b>PA 245467 MiSeq</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100
<b>PA 245467 Method A</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100
<b>PA 245467 Method S</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100
<b>PA 245467 Method E</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100
<b>PA 245467 Method K</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100
<b>PA 245467 Method N</b>	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAAACGATCCCTGGGTT	2100

<b>PA 245467 MiSeq</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
<b>PA 245467 Method A</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
<b>PA 245467 Method S</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
<b>PA 245467 Method E</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
<b>PA 245467 Method K</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
<b>PA 245467 Method N</b>	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151