

Formatted Alignments

PA 246038 MiSeq	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 246038 Method A	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 246038 Method S	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 246038 Method E	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 246038 Method K	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60
PA 246038 Method N	1	ATGGAAGACTTTGTGCGACAATGCTTCAATCCAATGATTGTCGAGCTTGCGGAAAAAGCA	60

PA 246038 MiSeq	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 246038 Method A	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 246038 Method S	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 246038 Method E	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 246038 Method K	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120
PA 246038 Method N	61	ATGAAAGAATATGGGGAAGATCCGAAAATCGAGACAAACAAATTTGCCGCAATATGCACA	120

PA 246038 MiSeq	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 246038 Method A	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 246038 Method S	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 246038 Method E	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 246038 Method K	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180
PA 246038 Method N	121	CACCTAGAAGTCTGTTTCATGTATTCGGATTTCCATTTTATTGATGAACGAGGCGAATCA	180

PA 246038 MiSeq	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 246038 Method A	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 246038 Method S	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 246038 Method E	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 246038 Method K	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240
PA 246038 Method N	181	ATGATTGTAGAATCTGGGGATCCAAATGCATTATTGAAACACCGATTTGAGATAATCGAA	240

PA 246038 MiSeq	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 246038 Method A	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 246038 Method S	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 246038 Method E	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 246038 Method K	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300
PA 246038 Method N	241	GGGAGAGACCGAGCAATGGCCTGGACAGTGGTGAATAGTATCTGCAACACCACAGGGGGTC	300

PA 246038 MiSeq	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 246038 Method A	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 246038 Method S	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 246038 Method E	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 246038 Method K	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360
PA 246038 Method N	301	GAAAAGCCCCAAATTCCTCCCTGATTTGTATGACTACAAAGAGAACCGATTTCATTGAAATT	360

PA 246038 MiSeq	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 246038 Method A	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 246038 Method S	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 246038 Method E	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 246038 Method K	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420
PA 246038 Method N	361	GGAGTAACGCGAAGGGAAGTTCACATATACTATTTAGAAAAAGCCAACAAGATAAAAATCA	420

PA 246038 MiSeq	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 246038 Method A	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 246038 Method S	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 246038 Method E	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 246038 Method K	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480
PA 246038 Method N	421	GAGAAAACACATATTCACATATTCTCATTCACTGGAGAGGAAATGGCCACCAAGGCGGAC	480

PA 246038 MiSeq	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 246038 Method A	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 246038 Method S	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 246038 Method E	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 246038 Method K	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540
PA 246038 Method N	481	TACACCCTTGATGAAGAGAGCAGAGCAAGAATAAAAAACCAGACTGTTCACTATAAGACAA	540

PA 246038 MiSeq	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 246038 Method A	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 246038 Method S	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 246038 Method E	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 246038 Method K	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600
PA 246038 Method N	541	GAAATGGCCAGTAGAGGTCTATGGGATTCCTTTTCGTCAGTCCGAGAGAGGCGAAGAGACA	600

PA 246038 MiSeq	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660
PA 246038 Method A	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660
PA 246038 Method S	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660
PA 246038 Method E	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660
PA 246038 Method K	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660
PA 246038 Method N	601	ATTGAAGAAAGATTTGAAATCACAGGAACCATGCGCAGGCTTGCCGACCAAAGTCTTCCA	660

PA 246038 MiSeq	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 246038 Method A	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 246038 Method S	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 246038 Method E	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 246038 Method K	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720
PA 246038 Method N	661	CCGAACCTTCTCCAGCCTTGAAAACCTTTAGAGCCTATGTGGATGGATTTCGAACCGAACGGC	720

PA 246038 MiSeq	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 246038 Method A	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 246038 Method S	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 246038 Method E	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 246038 Method K	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780
PA 246038 Method N	721	TGCATTGAGGGCAAACCTTTCTCAAATGTCAAAAGAAGTGAACGCCAGAATTGAGCCATTT	780

PA 246038 MiSeq	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840
PA 246038 Method A	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840
PA 246038 Method S	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840
PA 246038 Method E	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840
PA 246038 Method K	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840
PA 246038 Method N	781	CTGAAGACAACACCACGCCCTCTCAGATTACCTGATGGGCCTCCCTGTTCTCAGCGGTCTG	840

PA 246038 MiSeq	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900
PA 246038 Method A	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900
PA 246038 Method S	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900
PA 246038 Method E	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900
PA 246038 Method K	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900
PA 246038 Method N	841	AAGTTCTTGCTGATGGATGCCCTTAAGTTGAGCATCGAAGACCCTAGTCATGAGGGGGGAG	900

PA 246038 MiSeq	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 246038 Method A	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 246038 Method S	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 246038 Method E	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 246038 Method K	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960
PA 246038 Method N	901	GGCATACCGCTGTATGATGCAATCAAATGCATGAAGACATTTTTTTGGCTGGAAAGAGCCC	960

PA 246038 MiSeq	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 246038 Method A	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 246038 Method S	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 246038 Method E	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 246038 Method K	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020
PA 246038 Method N	961	AACATCGTAAAGCCGCATGAGAAAGGCATAAACCCCTAATTACCTCCTGGCTTGGAAGCAG	1020

PA 246038 MiSeq	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 246038 Method A	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 246038 Method S	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 246038 Method E	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 246038 Method K	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080
PA 246038 Method N	1021	GTGCTGGCAGAACTTCAAGACATTGAAAATGAGGAGAAAATTCCAAAAACAAAGAACATG	1080

PA 246038 MiSeq	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 246038 Method A	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 246038 Method S	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 246038 Method E	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 246038 Method K	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140
PA 246038 Method N	1081	AAGAAAACAAGCCAATTGAAGTGGGCACTTGGTGAGAACATGGCTCCAGAAAAAGTGGAC	1140

PA 246038 MiSeq	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 246038 Method A	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 246038 Method S	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 246038 Method E	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 246038 Method K	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200
PA 246038 Method N	1141	TTTGAGGACTGCAAAGATGTTAGCGATCTAAGACAGTACGACAGTGACGAACCAGAGTCT	1200

PA 246038 MiSeq	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 246038 Method A	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 246038 Method S	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 246038 Method E	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 246038 Method K	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260
PA 246038 Method N	1201	AGATCACTAGCAAGCTGGATTTCAGAGTGAATTCAACAAGGCATGCGAACTGACAGATTTCG	1260

PA 246038 MiSeq	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 246038 Method A	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 246038 Method S	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 246038 Method E	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 246038 Method K	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320
PA 246038 Method N	1261	AGTTGGATTGAACTTGATGAGATAGGGGAAGACGTTGCTCCAATCGAACACATTGCGAGT	1320

PA 246038 MiSeq	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 246038 Method A	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 246038 Method S	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 246038 Method E	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 246038 Method K	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380
PA 246038 Method N	1321	GTGAGGAGGAACTATTTTCACAGCAGAGGTATCCCATTGCAGGGCCACTGAATACATAATG	1380

PA 246038 MiSeq	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440
PA 246038 Method A	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440
PA 246038 Method S	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440
PA 246038 Method E	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440
PA 246038 Method K	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440
PA 246038 Method N	1381	AAGGGAGTATACATAAAACACAGCCCTATTGAATGCATCCTGTGCAGCCATGGATGATTTTC	1440

PA 246038 MiSeq	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500
PA 246038 Method A	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500
PA 246038 Method S	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500
PA 246038 Method E	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500
PA 246038 Method K	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500
PA 246038 Method N	1441	CAACTGATTCCAATGATAAGTAAGTGCAGAACTAAAGAAGGAAGACGGAAGACAAATCTG	1500

PA 246038 MiSeq	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
PA 246038 Method A	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
PA 246038 Method S	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
PA 246038 Method E	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
PA 246038 Method K	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560
PA 246038 Method N	1501	TATGGATTTCATTATAAAAAGGAAGATCCCATTTGAGGAATGACACCGATGTGGTAAACTTT	1560

PA 246038 MiSeq	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
PA 246038 Method A	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
PA 246038 Method S	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
PA 246038 Method E	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
PA 246038 Method K	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620
PA 246038 Method N	1561	GTGAGCATGGAATTCTCTCTAACTGACCCGAGGCTAGAGCCACACAAATGGGAAAAGTAC	1620

PA 246038 MiSeq	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
PA 246038 Method A	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
PA 246038 Method S	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
PA 246038 Method E	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
PA 246038 Method K	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680
PA 246038 Method N	1621	TGTGTTCTTGAGATAGGAGACATGCTCCTACGGACTGCAATAGGCCAAGTGTCGAGGCC	1680

PA 246038 MiSeq	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
PA 246038 Method A	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
PA 246038 Method S	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
PA 246038 Method E	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
PA 246038 Method K	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740
PA 246038 Method N	1681	ATG TTCCTGTATGTGAGAACCAATGGGACTTCCAAGATCAAAATGAAATGGGGCATGGAG	1740

PA 246038 MiSeq	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
PA 246038 Method A	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
PA 246038 Method S	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
PA 246038 Method E	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
PA 246038 Method K	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800
PA 246038 Method N	1741	ATGAGGCGATGCCTTCTTCAGTCCCTTCAACAAATTGAGAGCATGATTGAGGCCGAATCT	1800

PA 246038 MiSeq	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
PA 246038 Method A	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
PA 246038 Method S	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
PA 246038 Method E	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
PA 246038 Method K	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860
PA 246038 Method N	1801	TCTGTCAAAGAGAAGGACATGTCCAAGGAATTCTTTGAAAACAAATCAGAAACATGGCCA	1860

PA 246038 MiSeq	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
PA 246038 Method A	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
PA 246038 Method S	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
PA 246038 Method E	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
PA 246038 Method K	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920
PA 246038 Method N	1861	ATTGGAGAATCACCCAAAGGGGTGGAGGAAGGCTCTATTGGGAAAGTATGCAGAACATTG	1920

PA 246038 MiSeq	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
PA 246038 Method A	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
PA 246038 Method S	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
PA 246038 Method E	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
PA 246038 Method K	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980
PA 246038 Method N	1921	CTAGCAAAGTCTGTGTTCAACAGCCTATATGCATCTCCACAACCTCGAGGGGGTTTTTCAGCT	1980

PA 246038 MiSeq	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
PA 246038 Method A	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
PA 246038 Method S	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
PA 246038 Method E	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
PA 246038 Method K	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040
PA 246038 Method N	1981	GAATCAAGAAAATTGCTTCTCATTGTTTCAGGCACTTAGGGACAACCTGGAACCTGGAACC	2040

PA 246038 MiSeq	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100
PA 246038 Method A	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100
PA 246038 Method S	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100
PA 246038 Method E	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100
PA 246038 Method K	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100
PA 246038 Method N	2041	TTCGATCTTGGGGGGCTATATGAAGCAATTGAGGAGTGCCTGATTAACGATCCCTGGGTT	2100

PA 246038 MiSeq	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
PA 246038 Method A	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
PA 246038 Method S	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
PA 246038 Method E	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
PA 246038 Method K	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151
PA 246038 Method N	2101	TTGCTTAATGCGTCTTGGTTCAACTCCTTCCTCACACATGCACTGAAATAG	2151