

Formatted Alignments

PB1 245467 MiSeq	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 Method A	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 Method S	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 Method E	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 Method K	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 Method N	1	ATGGATGTCAATCCGACTTTACTCTTCTTGAAAGTTCCAGCGCAAAATGCCATAAGCACC	60
PB1 245467 MiSeq	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 Method A	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 Method S	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 Method E	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 Method K	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 Method N	61	ACATTCCCGTATACTGGAGATCCTCCATACAGCCATGGAACAGGAACAGGATATAACCATG	120
PB1 245467 MiSeq	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 Method A	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 Method S	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 Method E	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 Method K	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 Method N	121	GACACAGTTAACAGAACACATCAATATTCAGAAAAAGGGAAATGGACAACAAACTCAGAA	180
PB1 245467 MiSeq	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240
PB1 245467 Method A	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240
PB1 245467 Method S	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240
PB1 245467 Method E	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240
PB1 245467 Method K	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240
PB1 245467 Method N	181	ACTGGAGCACCTCAACTCAATCCAATTGATGGACCTTTGCCTGAGGACAATGAGCCAAGT	240

PB1 245467 MiSeq	241	GGATATGCACAAACGGACTGTGTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300
PB1 245467 Method A	241	GGATATGCACAAACGGACTGTGTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300
PB1 245467 Method S	241	GGATATGCACAAACGGACTG C GTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300
PB1 245467 Method E	241	GGATATGCACAAACGGACTGTGTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300
PB1 245467 Method K	241	GGATATGCACAAACGGACTGTGTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300
PB1 245467 Method N	241	GGATATGCACAAACGGACTGTGTCCTTGAAGCAATGGCTTTCCTTGAAGAGTCCCACCCA	300

PB1 245467 MiSeq	301	GGAATCTTTGAAAACCTCGTGTCTTGAACAATGGAAGTTGTTCAACAAACAAGAGTGGAC	360
PB1 245467 Method A	301	GGAATCTTTGAAAACCTCGTGTCTTGAACAATGGAAGTTGTTCAACAAACAAGAGTGGAC	360
PB1 245467 Method S	301	GGAATCTTTGAAAACCTCGTGTCTTGAACA G ATGGAAGTTGTTCAACAAACAAGAGTGGAC	360
PB1 245467 Method E	301	GGAATCTTTGAAAACCTCGTGTCTTGAACAATGGAAGTTGTTCAACAAACAAGAGTGGAC	360
PB1 245467 Method K	301	GGAATCTTTGAAAACCTCGTGTCTTGAACAATGGAAGTTGTTCAACAAACAAGAGTGGAC	360
PB1 245467 Method N	301	GGAATCTTTGAAAACCTCGTGTCTTGAACAATGGAAGTTGTTCAACAAACAAGAGTGGAC	360

PB1 245467 MiSeq	361	AAGTTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420
PB1 245467 Method A	361	AAGTTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420
PB1 245467 Method S	361	AA A TTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420
PB1 245467 Method E	361	AAGTTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420
PB1 245467 Method K	361	AAGTTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420
PB1 245467 Method N	361	AAGTTGACCCAAGGCCGTCAGACTTATGATTGGACATTAAACAGAAATCAGCCGGCTGCA	420

PB1 245467 MiSeq	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480
PB1 245467 Method A	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480
PB1 245467 Method S	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480
PB1 245467 Method E	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480
PB1 245467 Method K	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480
PB1 245467 Method N	421	ACTGCATTAGCTAATACTATAGAGGTCTTCAGATCGAACGGTCTTACAGCTAATGAATCA	480

PB1 245467 MiSeq	481	GGAAGGCTAATTGATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540
PB1 245467 Method A	481	GGAAGGCTAATTGATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540
PB1 245467 Method S	481	GGAAGGCTAATT A GATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540
PB1 245467 Method E	481	GGAAGGCTAATTGATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540
PB1 245467 Method K	481	GGAAGGCTAATTGATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540
PB1 245467 Method N	481	GGAAGGCTAATTGATTTTCTCAAGGATGTGATGGAATCAATGGATAAAGAGGAAATAGAA	540

PB1 245467 MiSeq	541	ATAACAACACATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600
PB1 245467 Method A	541	ATAACAACACATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600
PB1 245467 Method S	541	ATAACAACG C ATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600
PB1 245467 Method E	541	ATAACAACACATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600
PB1 245467 Method K	541	ATAACAACACATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600
PB1 245467 Method N	541	ATAACAACACATTTCCAAAGGAAAAAGAAGAGTGAGAGACAACATGACCAAGAAAATGGTC	600

PB1 245467 MiSeq	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGATTAAACAAAAGGAGCTATCTGATAAGA	660
PB1 245467 Method A	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGATTAAACAAAAGGAGCTATCTGATAAGA	660
PB1 245467 Method S	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGG T TAAACAAAAGGAGCTATCTGATAAGA	660
PB1 245467 Method E	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGATTAAACAAAAGGAGCTATCTGATAAGA	660
PB1 245467 Method K	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGATTAAACAAAAGGAGCTATCTGATAAGA	660
PB1 245467 Method N	601	ACACAAAGGACAATAGGAAAGAAGAAACAAAGATTAAACAAAAGGAGCTATCTGATAAGA	660

PB1 245467 MiSeq	661	GCATTGACATTGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720
PB1 245467 Method A	661	GCATTGACATTGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720
PB1 245467 Method S	661	GCATTGACA C TGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720
PB1 245467 Method E	661	GCATTGACATTGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720
PB1 245467 Method K	661	GCATTGACATTGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720
PB1 245467 Method N	661	GCATTGACATTGAACACAATGACAAAAGACGCCGAAAGAGGGCAAATTAAAGAGAAGGGCA	720

PB1 245467 MiSeq	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780
PB1 245467 Method A	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780
PB1 245467 Method S	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780
PB1 245467 Method E	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780
PB1 245467 Method K	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780
PB1 245467 Method N	721	ATTGCAACACCCGGGATGCAAATCAGAGGGTTTGTGTACTTTGTTGAAACATTAGCAAGG	780

PB1 245467 MiSeq	781	GGCATTGTGTGAGAACTCGAACAATCTGGACTCCAGTTGGAGGCAATGAAAAAAGGCT	840
PB1 245467 Method A	781	GGCATTGTGTGAGAACTCGAACAATCTGGACTCCAGTTGGAGGCAATGAAAAAAGGCT	840
PB1 245467 Method S	781	AGCATTGTGTGAGAACT T GAACAATCTGGACTCCAGTTGGAGGCAATGAAAA G AAGGCT	840
PB1 245467 Method E	781	GGCATTGTGTGAGAACTCGAACAATCTGGACTCCAGTTGGAGGCAATGAAAAAAGGCT	840
PB1 245467 Method K	781	GGCATTGTGTGAGAACTCGAACAATCTGGACTCCAGTTGGAGGCAATGAAAAAAGGCT	840
PB1 245467 Method N	781	GGCATTGTGTGAGAACTCGAACAATCTGGACTCCAGTTGGAGGCAATGAAAAAAGGCT	840

PB1 245467 MiSeq	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 Method A	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 Method S	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 Method E	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 Method K	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 Method N	841	AAACTAGCAAATGTCGTGAGAAAGATGATGACTAATTCGCAAGACACAGAGCTCTCTTTTC	900
PB1 245467 MiSeq	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 Method A	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 Method S	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 Method E	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 Method K	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 Method N	901	ACAATCACGGGAGACAACACCAAATGGAATGAGAACCAGAATCCTAGGATGTTTCTGGCA	960
PB1 245467 MiSeq	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 Method A	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 Method S	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 Method E	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 Method K	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 Method N	961	ATGATAACATATATAACAAGGAACCAACCTGAATGGTTCAGGAATGTCTTGAGCATTGCA	1020
PB1 245467 MiSeq	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 Method A	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 Method S	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 Method E	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 Method K	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 Method N	1021	CCTATAATGTTCTCAAATAAAAATGGCAAGACTAGGGAAAGGATACATGTTTCGAAAGTAAG	1080
PB1 245467 MiSeq	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140
PB1 245467 Method A	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140
PB1 245467 Method S	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140
PB1 245467 Method E	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140
PB1 245467 Method K	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140
PB1 245467 Method N	1081	AGCATGAAGCTTCGAACACAAATACCGGCAGAAATGCTAGCAAGCATCGATCTGAAGTAC	1140

PB1 245467 MiSeq	1141	TTCAATGAGTCAACAAAAAAGAAAAATAGAGAAGACAAGACCTCTTCTAATAGATGGCACG	1200
PB1 245467 Method A	1141	TTCAATGAGTCAACAAAAAAGAAAAATAGAGAAGACAAGACCTCTTCTAATAGATGGCACG	1200
PB1 245467 Method S	1141	TTCAATGAGTCAACAAAGAAAAGAAAAATAGAGAAGATTAAGACCTCTTCTAATAGATGGTACG	1200
PB1 245467 Method E	1141	TTCAATGAGTCAACAAAAAAGAAAAATAGAGAAGACAAGACCTCTTCTAATAGATGGCACG	1200
PB1 245467 Method K	1141	TTCAATGAGTCAACAAAAAAGAAAAATAGAGAAGACAAGACCTCTTCTAATAGATGGCACG	1200
PB1 245467 Method N	1141	TTCAATGAGTCAACAAAAAAGAAAAATAGAGAAGACAAGACCTCTTCTAATAGATGGCACG	1200

PB1 245467 MiSeq	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTTGGGA	1260
PB1 245467 Method A	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTTGGGA	1260
PB1 245467 Method S	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTCTGGGA	1260
PB1 245467 Method E	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTTGGGA	1260
PB1 245467 Method K	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTTGGGA	1260
PB1 245467 Method N	1201	GCCTCATTAAGCCCTGGAATGATGATGGGCATGTTCAACATGCTGAGTACAGTTTGGGA	1260

PB1 245467 MiSeq	1261	GTTTCGATTTTGAATCTAGGGCAAAAAGAGGCACACCAAAAACAACATACTGGTGGGATGGA	1320
PB1 245467 Method A	1261	GTTTCGATTTTGAATCTAGGGCAAAAAGAGGCACACCAAAAACAACATACTGGTGGGATGGA	1320
PB1 245467 Method S	1261	GTTTCGATTCTAATCTAGGGCAAAAAGAGGTACACCAAAAACAACATACTGGTGGGATGGA	1320
PB1 245467 Method E	1261	GTTTCGATTTTGAATCTAGGGCAAAAAGAGGCACACCAAAAACAACATACTGGTGGGATGGA	1320
PB1 245467 Method K	1261	GTTTCGATTTTGAATCTAGGGCAAAAAGAGGCACACCAAAAACAACATACTGGTGGGATGGA	1320
PB1 245467 Method N	1261	GTTTCGATTTTGAATCTAGGGCAAAAAGAGGCACACCAAAAACAACATACTGGTGGGATGGA	1320

PB1 245467 MiSeq	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380
PB1 245467 Method A	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380
PB1 245467 Method S	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380
PB1 245467 Method E	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380
PB1 245467 Method K	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380
PB1 245467 Method N	1321	CTACAATCCTCTGATGACTTTGCTCTCATAGTGAATGCTCCGAATCATGAGGGAATACAA	1380

PB1 245467 MiSeq	1381	GCAGGGGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440
PB1 245467 Method A	1381	GCAGGGGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440
PB1 245467 Method S	1381	GCAGGAGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440
PB1 245467 Method E	1381	GCAGGGGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440
PB1 245467 Method K	1381	GCAGGGGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440
PB1 245467 Method N	1381	GCAGGGGTAGACAGATTCTATAGAACCTGCAAGCTGGTCGGAATCAACATGAGCAAAAAG	1440

PB1 245467 MiSeq	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500
PB1 245467 Method A	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500
PB1 245467 Method S	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500
PB1 245467 Method E	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500
PB1 245467 Method K	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500
PB1 245467 Method N	1441	AAGTCCTACATAAAACAGGACAGGAACATTTGAATTCACAAGTTTTTTTCTACCGCTATGGA	1500

PB1 245467 MiSeq	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560
PB1 245467 Method A	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560
PB1 245467 Method S	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560
PB1 245467 Method E	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560
PB1 245467 Method K	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560
PB1 245467 Method N	1501	TTTGTAGCCAACTTCAGCATGGAATTGCCCAGCTTTGGAGTGTCTGGGATCAATGAATCT	1560

PB1 245467 MiSeq	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620
PB1 245467 Method A	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620
PB1 245467 Method S	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620
PB1 245467 Method E	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620
PB1 245467 Method K	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620
PB1 245467 Method N	1561	GCGGACATGAGTATTGGAGTAACAGTGATAAAGAACAACATGATCAACAATGATCTTGGA	1620

PB1 245467 MiSeq	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680
PB1 245467 Method A	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680
PB1 245467 Method S	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680
PB1 245467 Method E	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680
PB1 245467 Method K	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680
PB1 245467 Method N	1621	CCAGCAACAGCCCCAAATGGCTCTACAGCTATTCATCAAGGATTACAGATACACATATCGA	1680

PB1 245467 MiSeq	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740
PB1 245467 Method A	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740
PB1 245467 Method S	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740
PB1 245467 Method E	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740
PB1 245467 Method K	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740
PB1 245467 Method N	1681	TGTCACAGAGGAGACACACAAATTCAAACAAGGAGGTCATTTGAGCTGAAGAAGTTATGG	1740

PB1 245467 MiSeq	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800
PB1 245467 Method A	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800
PB1 245467 Method S	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800
PB1 245467 Method E	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800
PB1 245467 Method K	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800
PB1 245467 Method N	1741	GAACAAACCCGCTCAAAAGCAGGACTGCTGGTCTCAGATGGAGGACCAAATCTATACAAT	1800

PB1 245467 MiSeq	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860
PB1 245467 Method A	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860
PB1 245467 Method S	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860
PB1 245467 Method E	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860
PB1 245467 Method K	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860
PB1 245467 Method N	1801	ATCCGGAATCTCCACATTCCGGAAGTCTGTTTAAAATGGGAAC TAATGGATGAAGACTAT	1860

PB1 245467 MiSeq	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920
PB1 245467 Method A	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920
PB1 245467 Method S	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920
PB1 245467 Method E	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920
PB1 245467 Method K	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920
PB1 245467 Method N	1861	CAGGGAAGGCTTTGTAATCCTCTGAATCCGTTTGT CAGCCACAAAGAAATAGAGTCTGTG	1920

PB1 245467 MiSeq	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980
PB1 245467 Method A	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980
PB1 245467 Method S	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980
PB1 245467 Method E	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980
PB1 245467 Method K	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980
PB1 245467 Method N	1921	AACAATGCTGTGGTGATGCCAGCGCATGGCCCAGCCAAGAGTATGGAATATGATGCTGTT	1980

PB1 245467 MiSeq	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040
PB1 245467 Method A	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040
PB1 245467 Method S	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040
PB1 245467 Method E	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040
PB1 245467 Method K	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040
PB1 245467 Method N	1981	GCCACCACTCATTTCCTGGATTTCCTAAGAGGAACCGCTCCATTCTCAATACAAGCCAAAGG	2040

PB1 245467 MiSeq	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTGTTTGAAAAATTCTTC	2100
PB1 245467 Method A	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTGTTTGAAAAATTCTTC	2100
PB1 245467 Method S	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTA TTTTGAAAAATTCTTC	2100
PB1 245467 Method E	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTGTTTGAAAAATTCTTC	2100
PB1 245467 Method K	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTGTTTGAAAAATTCTTC	2100
PB1 245467 Method N	2041	GGAATCCTTGAAGACGAACAGATGTATCAAAAGTGCTGCAATCTGTTTGAAAAATTCTTC	2100

PB1 245467 MiSeq	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160
PB1 245467 Method A	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160
PB1 245467 Method S	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160
PB1 245467 Method E	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160
PB1 245467 Method K	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160
PB1 245467 Method N	2101	CCTAGCAGTTCATACAGGAGGCCGGTTGGAATTTCCAGCATGGTGGAGGCCATGGTTTCT	2160

PB1 245467 MiSeq	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGAGTCTGGACGGATTAAGAAGGAGGAGTTT	2220
PB1 245467 Method A	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGAGTCTGGACGGATTAAGAAGGAGGAGTTT	2220
PB1 245467 Method S	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGA TCTGGACGGATTAAGAAGGAGGAGTTT	2220
PB1 245467 Method E	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGAGTCTGGACGGATTAAGAAGGAGGAGTTT	2220
PB1 245467 Method K	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGAGTCTGGACGGATTAAGAAGGAGGAGTTT	2220
PB1 245467 Method N	2161	AGGGCCCGAATTGATGCGCGAATTGACTTCGAGTCTGGACGGATTAAGAAGGAGGAGTTT	2220

PB1 245467 MiSeq	2221	GCTGAGATCATGAAGACCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274
PB1 245467 Method A	2221	GCTGAGATCATGAAGACCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274
PB1 245467 Method S	2221	GCTGAGATCATGAAGA TCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274
PB1 245467 Method E	2221	GCTGAGATCATGAAGACCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274
PB1 245467 Method K	2221	GCTGAGATCATGAAGACCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274
PB1 245467 Method N	2221	GCTGAGATCATGAAGACCTGTTCCACCATTGAAGAGCTCAGACGGCAGAAATAG	2274