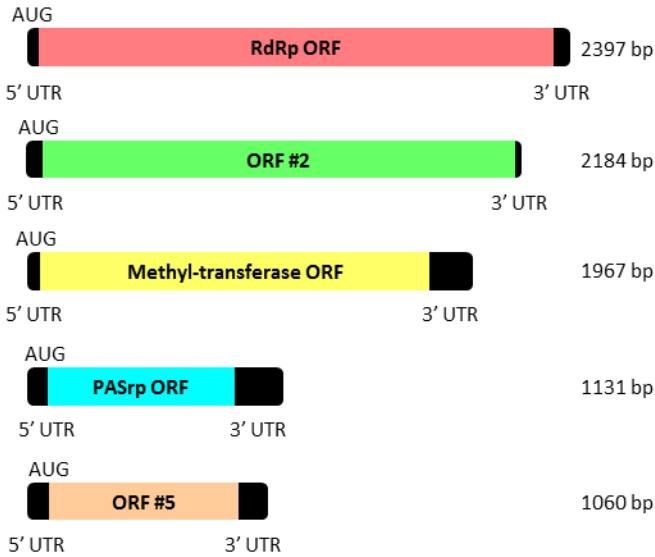
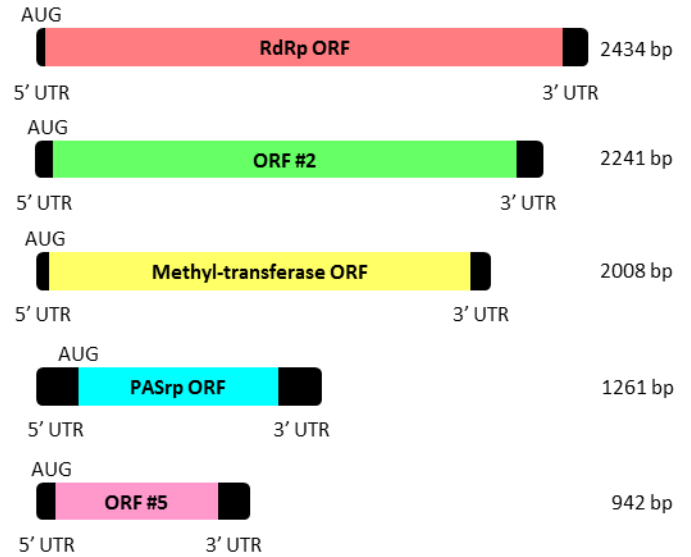


a *Botryosphaeria dothidea* polmycovirus-1 (BdPmV-1)**b** *Cladosporium cladosporioides* polmycovirus-1 (CcPmV-1)**c** BdPmV-1 5' UTR termini

dsRNA 1 (1-53 bp)
dsRNA 2 (1-66 bp)
dsRNA 3 (1-57 bp)
dsRNA 4 (1-77 bp)
dsRNA 5 (1-77 bp)

CGATTAAGCTTTAGTTTATTCGCTTGTTCCTACGTCGCGAGGTTATCTAAGC-----
CGATTAAGCTTTAGTTTATTCGCTTGTTCGCGACGTCGCGAGGTTCTCTGAAGCGTAGAACGTT-----
CGATTAAGCTTTAGTTTATTCGCTTGTTCGCGACGTCGCGAGGTTCTCTGAAGCGTAGAACGTT-----
CGATTAAGCTTTAATAATTCGCTTGTTCGCGACGTCGCGAGGTTCTCTGAAGCGTAGAACGTT-----
CGATTAAGCTTTAATAATTCGCTTGTTCGCGACGTCGCGAGGTTCTCTGAAGCGTAGAACGTT-----
*****.* * * * .*****.* * .*****.

BdPmV-1 3' UTR termini
dsRNA 1 (2419-2434 bp)
dsRNA 2 (2226-2241 bp)
dsRNA 3 (1996-2008 bp)
dsRNA 4 (1251-1261 bp)
dsRNA 5 (930-942 bp)

CCCCCGCCCCGGATGGGGT
CCCTCGCGGTGGGGTGGGGT
CCCCCGCGGGGGGGTGGGGT
CCTCGGGGGGGATGGGGT
CCCCCGCGGGCGCATGGGGT
* *

d CcPmV-1 5' UTR termini

dsRNA 1 (1-43 bp)
dsRNA 2 (1-68 bp)
dsRNA 3 (1-57 bp)
dsRNA 4 (1-77 bp)
dsRNA 5 (1-76 bp)

CGTAAATAAACCTTAAACCGCTACAAGTATTATCAGATACGAGC-----
CGTAAATAAACCTTAAACCGTACAAGTATAATCAGTATTGAGGTTCCCAACCTCATGCGTTCGCGAAG-----
CGTAAATAAACCTTAAACCGTACAAGTATAATCAGTATCAGATACGAGAAAGCAGCTCGAGC-----
CGTAAATAAACCTTAAACCGTACAAGTATCCAGAGTCCAGAAAGTGAATCTGCGTAACTGCGAACTCCGTTTC
-GTAATAAACCTTAAACCGCAGCAAGTATACCACAAGGTGTAATAAGACACTCCCGTCTTTTACCCTTGTGCTTTCC
*****.* * * * .*****.* * .*****.

CcPmV-1 3' UTR termini
dsRNA 1 (2421-2434 bp)
dsRNA 2 (2228-2241 bp)
dsRNA 3 (1995-2008 bp)
dsRNA 4 (1247-1261 bp)
dsRNA 5 (929-942 bp)

TGGGGGGGGGGGG-
TGGGGGAGGGGGGG-
CCGTGGGGGGGGGG-
CCGCCGCGGGGGGG-
CCGTGACGGGGGGG-
. *

e AltPmV-1 5' UTR termini

dsRNA 2 (1-71 bp)
dsRNA 5 (1-72 bp)
dsRNA 6 (1-72 bp)

CGAACAAACCAGTCTTCTGTACTTCGTAGCTACTTCGTCTGGTTCCGGTCCAACAAACCCCTTGAGTG-
TGAAACAAACCAGTCTTCTGTACTTCGTAGGCTTATCGTCCTGTTCCGTAGGCACAGACCTTGTAAACACGA
TGAAACAAACATAACTTCCGTACAAGTACACTACGTCGTTTGTTCGCCGAGAAACAAAGAGTCAAGAAAGGA
.*****.* * * * .*****.* * .*****.

AltPmV-1 3' UTR termini
dsRNA 2 (2206-2233 bp)
dsRNA 5 (1338-1365 bp)
dsRNA 6 (860-887 bp)

GTTCCGGGCCCCAGACGGGGTGGAGTTT
GCCCGCTCCCCAGACGGGGTGGAGTTT
CTTCTGTTTTCGGCGAGGGGGGGTTT
* *

f BbPmV-1 5' UTR termini

dsRNA 1 (1-26 bp)
dsRNA 2 (1-71 bp)
dsRNA 3 (1-31 bp)
dsRNA 4 (1-72 bp)

CGAATATATATTTTAAATTCGG-CAA-C-----
CGAATATATATTTTAAATTTT-GTCAAGCCATCAGTACTGTGGCCACTCCCATAGGCCGCTTGTAGATTGGA
CGAATATATATTTTAAATTTTCG-CAAGCCATC-----
CGAATATATATTTCAAACCTTGTCTTGCCATCGGTAAGGGAGCTACACCAATAGCCCCAACCGTGTTCGAG
*****.* * * * .*****.* * .*****.

BbPmV-1 3' UTR termini
dsRNA 1 (2414-2425 bp)
dsRNA 2 (2251-2260 bp)
dsRNA 3 (1909-1921 bp)
dsRNA 4 (1364-1373 bp)

CATAGTTTTTTT-
CGTAGTTTTTT-
CATAGTTTTTTG
CGTAGTTTTTG-
* *

g BbPmV-2 5' UTR termini

dsRNA 1 (1-26 bp)
dsRNA 6 (1-26 bp)
dsRNA 7 (1-26 bp)

CGAACTAAAGAGTTTTTCTACACAAG
CGAACTAAAGGCTTTCTTTTACACAAG
CGAACTAAAGAGTTTTTCTACGCAAG
*****.* * * * .*****.* * .*****.

BbPmV-2 3' UTR termini
dsRNA 1 (2397-2405 bp)
dsRNA 6 (1001-1009 bp)
dsRNA 7 (678-686 bp)

GGAATTTTT
GTGAATTTTT
GAATTTTTT
* *

S4 Fig. Sequence properties of known polmycoviruses. Schematic representation of the genomic organisation of **(a)** BdPmV-1 and **(b)** CcPmV-1. Each genome consist of five dsRNAs, each containing one ORF (grey boxes) flanked by 5'- and 3'-UTRs (black boxes). A comparative alignment of the 5'- and 3'-terminal sequences of **(c)** BdPmV-1 dsRNAs 1–5, **(d)** CcPmV-1 dsRNAs 1–5, **(e)** AltPmV-1 dsRNAs 2, 5 and 6, **(f)** BbPmV-1 dsRNAs 1–4 and **(g)** BbPmV-1 dsRNAs 1, 6 and 7. Asterisks signify identical nucleotides. AltPmV-1 dsRNA 6 does not share a similar 3'-terminal sequence with dsRNAs 2 or 5; however there is an internal sequence in its 3'-UTR with significant similarity to the 3'-terminus of dsRNAs 2 and 5, indicating a possible sequencing error. Virus names, acronyms, and GenBank accession numbers are listed in S3 Table.