Supplementary Figure 1. Nucleotide sequences of the noncoding regions of prototype laboratory strains (PTA, RA and LID) and new isolates of polyoma viruses (MB, Z1, Z2, H, N, D, C, and S).

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PTA    CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
LID    CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
RA     CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
MB     CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAAAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
Z1     CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
Z2     CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
H      CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
N      CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
D      CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
C      CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT
S      CATTTTGAAA ATTCACTTAC TTGATCAGCT TCAGAAGATG GCGGAGGGCC TCCAACACAG TAATTTTCCT


PTA    CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAG------ ---------- ----------
LID    CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAGTCACTA GCTGACCGCA GCTGA-----
RA     CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAGTGACTA ACTGACCGCA GCTGGCCGTG
MB     CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAG------ ---------- ----------
Z1     CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAGTCACTA GCTGACCGCA GCTGAG----
Z2     CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAG------ ---------- ----------
H      CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAA-TGC--- ---------- ----------
N      CCCGACTCTT AAAATAGAAA ATGTC----- -----AGCAG GAA-TG---- ---------- ----------
D      CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAGTCACTA GCTGACCGCA GCTGGCCGTG
C      CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAG------ ---------- ----------
S      CCCGACTCTT AAAATAGAAA ATGTCAAGTC AGTTAAGCAG GAAG------ ---------- ----------

                           PvuII
PTA    -----TCACT AGCTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGGCCTC
LID    ----GTCACT AGCTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC
RA     CGACATGACT AACTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC
MB     -----TCACT AGCTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGGCCTC
Z1     -----TCACT AGCTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC
Z2     -----TGACT AACTGACCGC AGCTGGCCGT GCGACATTCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC
H      ------CGCT AACTGACCGC AGCTGGAAGT GCGTCATCCT CTTTTAATTA GTTGCTAGGC AACTGGCCTC
N      ------CACT AGCTGACCGC AGCTGGCCGT GCGTCATCCT CTTTTAATTA GTTGCTAGGC AACTGGCCTC
D      CGACATGACT AACTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC
C      -----TCACT AGCTGACCGC AGCTGGCCGT GCGACATCCT CTTTTAATTA GTTGCTAGGC AACTGGCCTC
S      -----TGACT AACTGACCGC AGCTGGCCGT GCGACATTCT CTTTTAATTA GTTGCTAGGC AACTGCCCTC


PTA    CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAGCGG CAGTGTGGTT TTGCAAGAGG AAGCAAAAAG
LID    CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAA------- ---------- ---------- ----------
RA     CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAG--- ---------- ---------- ----------
MB     CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAG--- ---------- ---------- ----------
Z1     CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAA------- ---------- ---------- ----------
Z2     CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAG--- ---------- ---------- ----------
H      CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAGCGG CAGTGTGGTT TTGCAAGAGG AAGCAAAAAG
N      CAGAGGGCAA TGTGGTTTTG CAAGAGGAAG CAAAAAGCGG CAGTGTGGTT TTGCAAGAGG AAGCAAAAAG
D      CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAG--- ---------- ---------- ----------
C      CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAGCGG CAGTGTGGTT TTGCAAGAGG AAGCAAAAAG
S      CAGAGGGCAG TGTGGTTTTG CAAGAGGAAG CAAAAAG--- ---------- ---------- ----------

                                                          PvuII
PTA    CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
LID    ---------- -------AGA ATGTTTCCAC CCACTCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
RA     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
MB     -CTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
Z1     ---------- -------AGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
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Z2    CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
H     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
N     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
D     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
C     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA
S     CCTCTCCACC CAGGCCTAGA ATGTTTCCAC CCAATCATTA CTATGACAAC AGCTGTTTTT TTTAGTATTA

                                Ori-core
PTA   AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGGAGA GAGGCATTGT AGAGGCTTCC
LID   AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAGA GAGGCATTGT AGAGGCTTCC
RA    AGCAGAGGCC GGGGGCTCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAG- ---------- AGAGGCTTCC
MB    AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGGAGA GAGGCATTGC AGAGGCTTCC
Z1    AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAGA GAGGCATTGC AGAGGCTTCC
Z2    AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAGA GAGGCATTGC AGAGGCTTCC
H     AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGGAGA GAGGCATTGT AGAGGCTTCC
N     AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAGA GAGGCATTGT AGAGGCTTCC
D     AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGGAGA GAGGCATTGT AGAGGCTTCC
C     AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGGAGA GAGGCATTGT AGAGGCTTCC
S     AGCAGAGGCC GGGGGCCCCT GGCCTCCGCT TACTCTGGAG AAAAAGAAGA GAGGCATTGT AGAGGCTTCC

                                          BglI
PTA   AGAGGCAACT TGTCAAAACA GGACTGGCGC CTTGGAGGCG CTGTGGGGCT TGTCAAAACA GGACTGGCGC
LID   AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
RA    AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
MB    AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
Z1    AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
Z2    AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
H     AGAGGCAACT TGTCAAAACA GGACTGGCGC CTTGGAGGCG CTGTGGGGCT TGTCAAAACA GGACTGGCGC
N     AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
D     AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC
C     AGAGGCAACT TGTCAAAACA GGACTGGCGC CTTGGAGGCG CTGTGGGGCT TGTCAAAACA GGACTGGCGC
S     AGAGGCAACT ---------- ---------- ---------- ---------- TGTCAAAACA GGACTGGCGC

        BglI
PTA   CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
LID   CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
RA    CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
MB    CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
Z1    CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
Z2    CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
H     CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
N     CTTGGAGGCG CTGTGGGGCC ---------- -TATAATAAA -----AA--G AC---TGCCG CCTCATTTCA
D     CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
C     CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA
S     CTTGGAGGCG CTGTGGGGCC ACCCAAATTG ATATAATTAA GCCCCAACCG CCTCTTCCCG CCTCATTTCA


PTA   GCCTCACCAC CATCATG
LID   GCCTCACCAC CATCATG
RA    GCCTCACCAC CATCATG
MB    GCCTCACCAC CATCATG
Z1    GCCTCACCAC CATCATG
Z2    GCCTCACCAC CATCATG
H     GCCTCACCAC CATCATG
N     GCCTCACCAC CATCATG
D     GCCTCACCAC CATCATG
C     GCCTCACCAC CATCATG
S     GCCTCACCAC CATCATG
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