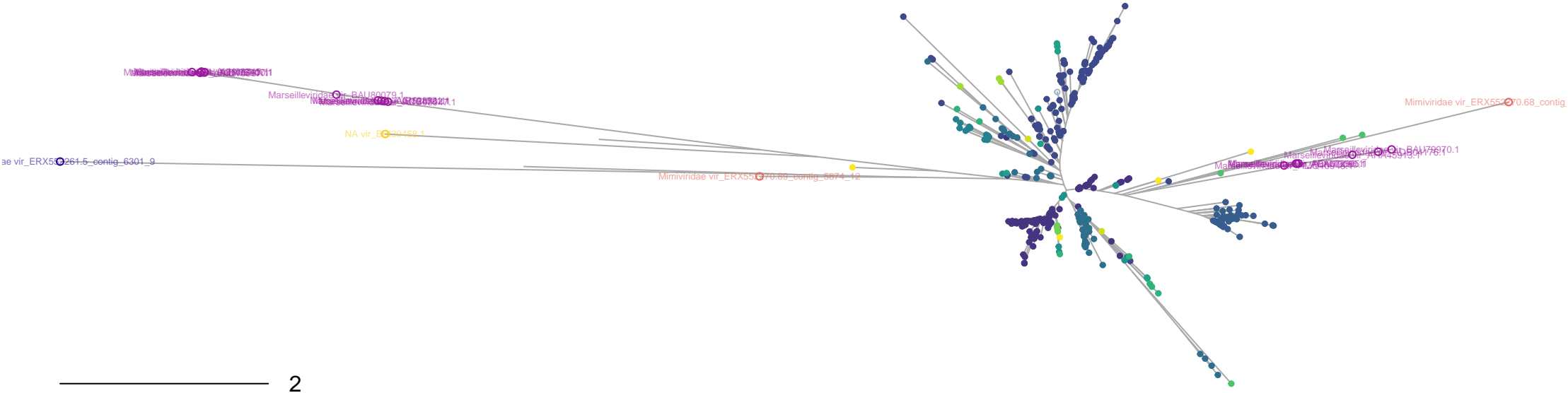


Histone
vir.Histone.phy.HG1.seqs.iqtree.treefile
n=538 sequences

- eukaryotes
- archaea
- bacteria
- viruses

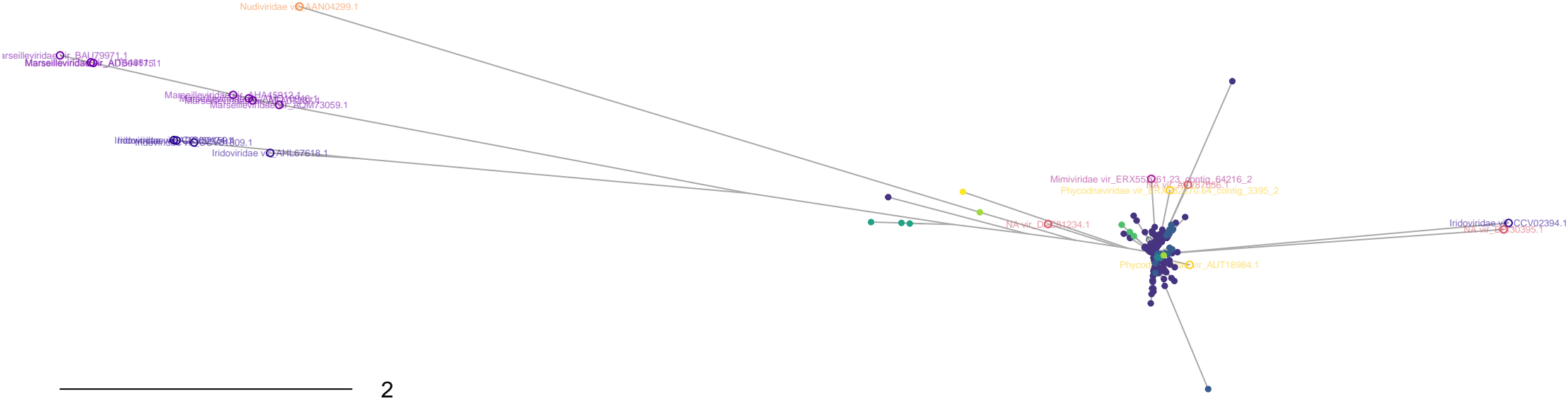


- Histone.HG1.17:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX n = 190
- Histone.HG1.12:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 133
- Histone.HG1.7:H2AZ1/H2AZ2 n = 67
- Histone.HG1.11:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 63
- Histone.HG1.3:MACROH2A1/MACROH2A2 n = 13
- Histone.HG1.13:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 10
- Histone.HG1.10:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 7
- Histone.HG1.14:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 7
- Histone.HG1.1:SOS1/SOS2 n = 4
- Histone.HG1.15:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 4
- Histone.HG1.5:like:SOS1/SOS2:likeclu:1 n = 4
- Histone.HG1.9:like:AL031777.2/H2AC1/H2AC4/H2AC6/H2AC7/H2AC8/H2AC11/H2AC12/H2AC13/H2AC14/H2AC15/H2AC16/H2AC17/H2AC18/H2AC19/H2AC20/H2AC21/H2AJ/H2AW/H2AX:likeclu:17 n = 2
- other n = 4

- Iridoviridae n = 1
- Marseilleviridae n = 17
- Mimiviridae n = 2
- NA n = 1

vir.Histone.phy.HG2.seqs.iqtree.treefile
n=353 sequences

- eukaryotes
- archaea
- bacteria
- viruses



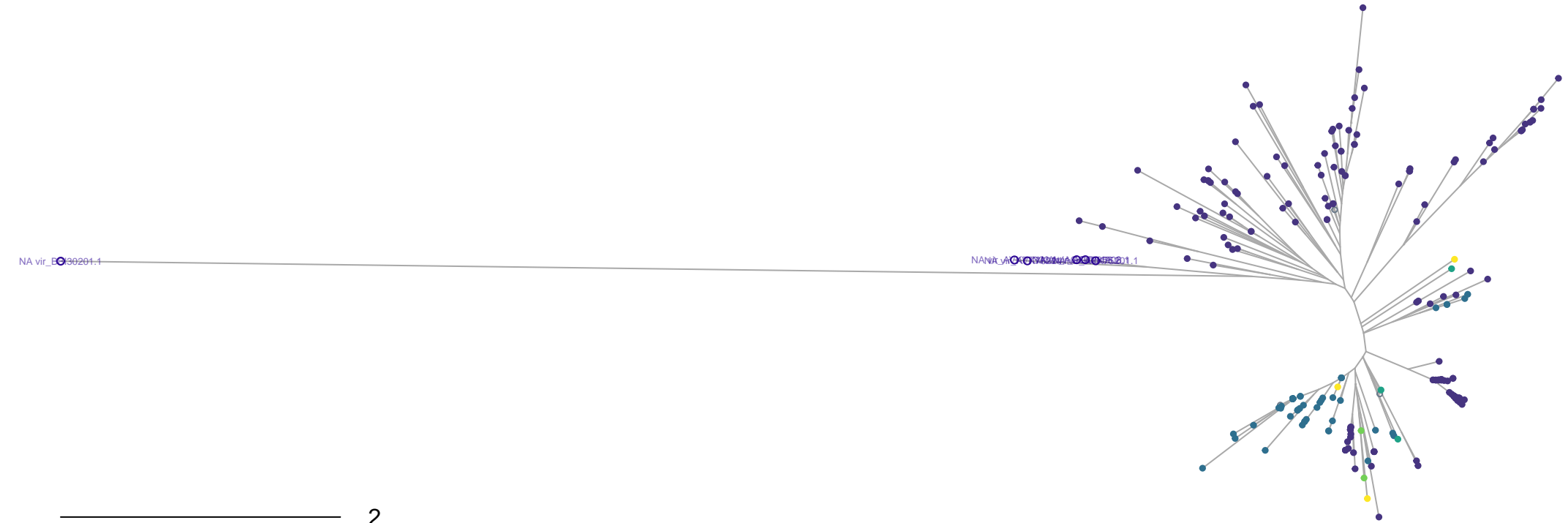
2

- Histone.HG2.5:H3-2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15/H3Y1/H3Y2 n = 283
- Histone.HG2.2:like:H3-2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15/H3Y1/H3Y2:likeclu:5 n = 29
- Histone.HG2.4:like:H3-2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15/H3Y1/H3Y2:likeclu:5 n = 7
- Histone.HG2.18:like:CENPA/H3-2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15/H3Y1/H3Y2:likeclu:0/5 n = 3
- Histone.HG2.3:like:CENPA/H3-2/H3-3A/H3-3B/H3-4/H3-5/H3C1/H3C2/H3C3/H3C4/H3C6/H3C7/H3C8/H3C10/H3C11/H3C12/H3C13/H3C14/H3C15/H3Y1/H3Y2:likeclu:0/5 n = 3
- Histone.HG2.0:CENPA n = 2
- other n = 1

- Iridoviridae n = 5
- Marseilleviridae n = 7
- Mimiviridae n = 1
- NA n = 3
- Nudiviridae n = 1
- Phycodnaviridae n = 2

Histone
vir.Histone.phy.HG3.seqs.iqtree.treefile
n=246 sequences

- eukaryotes
- archaea
- bacteria
- viruses

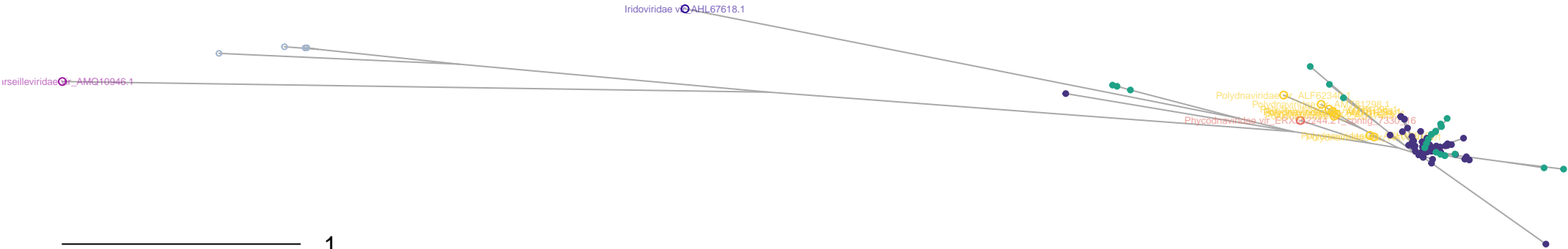


- Histone.HG3.5:CU639417.1/H2BC1/H2BC3/H2BC4/H2BC5/H2BC6/H2BC7/H2BC8/H2BC9/H2BC10/H2BC11/H2BC12/H2BC13/H2BC14/H2BC15/H2BC17/H2BC18/H2BC21/H2BE1/H2BS1/H2BU1/H2BW1/H2BW2 n = 166
- Histone.HG3.7:like:CU639417.1/H2BC1/H2BC3/H2BC4/H2BC5/H2BC6/H2BC7/H2BC8/H2BC9/H2BC10/H2BC11/H2BC12/H2BC13/H2BC14/H2BC15/H2BC17/H2BC18/H2BC21/H2BE1/H2BS1/H2BU1/H2BW1/H2BW2:likeclu:5 n = 58
- Histone.HG3.8:like:CU639417.1/H2BC1/H2BC3/H2BC4/H2BC5/H2BC6/H2BC7/H2BC8/H2BC9/H2BC10/H2BC11/H2BC12/H2BC13/H2BC14/H2BC15/H2BC17/H2BC18/H2BC21/H2BE1/H2BS1/H2BU1/H2BW1/H2BW2:likeclu:5 n = 3
- Histone.HG3.6:like:CU639417.1/H2BC1/H2BC3/H2BC4/H2BC5/H2BC6/H2BC7/H2BC8/H2BC9/H2BC10/H2BC11/H2BC12/H2BC13/H2BC14/H2BC15/H2BC17/H2BC18/H2BC21/H2BE1/H2BS1/H2BU1/H2BW1/H2BW2:likeclu:5 n = 2
- other n = 3

- NA n = 6

Histone
vir.Histone.phy.HG4.seqs.iqtree.treefile
n=209 sequences

- eukaryotes
- archaea
- bacteria
- viruses



- Histone.HG6.2:H4-16/H4C1/H4C2/H4C3/H4C4/H4C5/H4C6/H4C8/H4C9/H4C11/H4C12/H4C13/H4C14/H4C15 n = 165
- Histone.HG6.0:like:H4-16/H4C1/H4C2/H4C3/H4C4/H4C5/H4C6/H4C8/H4C9/H4C11/H4C12/H4C13/H4C14/H4C15:likeclu:2 n = 25
- other n = 0

- Iridoviridae n = 1
- Marseilleviridae n = 1
- Phycodnaviridae n = 1
- Polydnaviridae n = 9