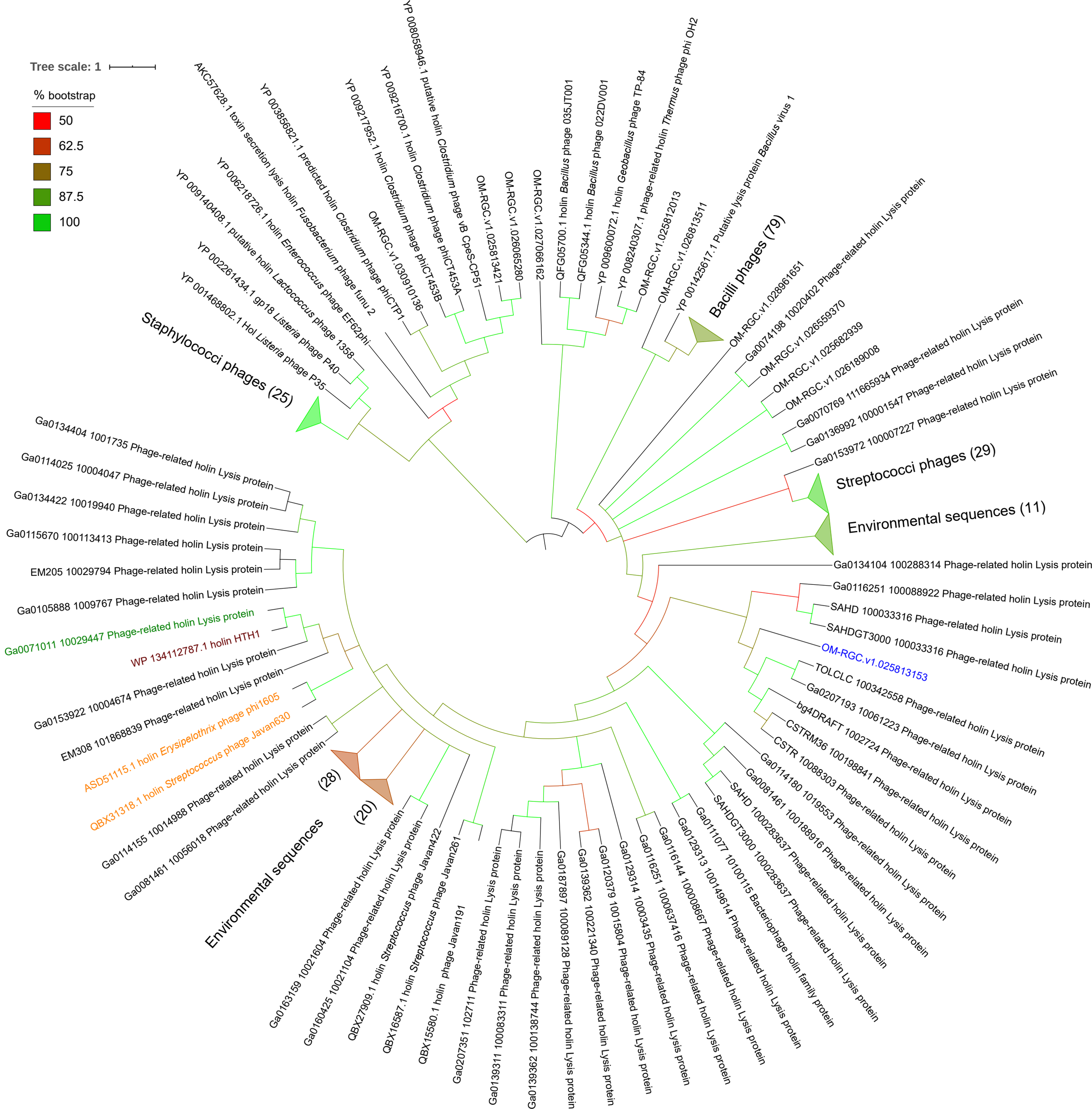
Tree scale: 1
% bootstrap
50
62.5
75
87.5
100
AKC57628.1 toxin secretion lysis holin Fusobacterium phage funu 2
YP 003856821.1 predicted holin Clostridium phage 1358
YP 009217952.1 holin Clostridium phage phiCTP1
YP 009216700.1 holin Clostridium phage phiCT453A
YP 008058946.1 putative holin Clostridium phage vB CpeS-CP51
OM-RGC.v1.030910136
OM-RGC.v1.025813421
OM-RGC.v1.026065280
OM-RGC.v1.027066162
QFG05700.1 holin Bacillus phage 035JT001
QFG05344.1 holin Bacillus phage 022DV001
YP 009600072.1 holin Geobacillus phage TP-84
YP 008240307.1 phage-related holin Thermus phage phi OH2
OM-RGC.v1.025812013
OM-RGC.v1.026813511
YP 001425617.1 Putative lysis protein Bacillus virus 1
Bacilli phages (79)
OM-RGC.v1.028961651
Ga0074198 10020402 Phage-related holin Lysis protein
OM-RGC.v1.026559370
OM-RGC.v1.025682939
OM-RGC.v1.026189008
Ga0070769 111665934 Phage-related holin Lysis protein
Ga0136992 100001547 Phage-related holin Lysis protein
Ga0153972 100007227 Phage-related holin Lysis protein
Streptococci phages (29)
Environmental sequences (11)
Ga0134104 100288314 Phage-related holin Lysis protein
Ga0116251 100088922 Phage-related holin Lysis protein
SAHD 100033316 Phage-related holin Lysis protein
SAHDGT3000 100033316 Phage-related holin Lysis protein
OM-RGC.v1.025813153
TOLCLC 100342558 Phage-related holin Lysis protein
Ga0207193 10061223 Phage-related holin Lysis protein
bg4DRAFT 1002724 Phage-related holin Lysis protein
CSTRM36 100198841 Phage-related holin Lysis protein
CSTR 10088303 Phage-related holin Lysis protein
Ga0114180 1019553 Phage-related holin Lysis protein
Ga0081461 100188916 Phage-related holin Lysis protein
SAHD 1000283637 Phage-related holin Lysis protein
SAHDGT3000 1000283637 Phage-related holin Lysis protein
Ga0111077 10100115 Bacteriophage holin family protein
Ga0129313 10014914 Phage-related holin Lysis protein
Ga0116144 100008667 Phage-related holin Lysis protein
Ga0116251 1000637416 Phage-related holin Lysis protein
Ga0129314 10003435 Phage-related holin Lysis protein
Ga0120379 10015804 Phage-related holin Lysis protein
Ga0139362 100221340 Phage-related holin Lysis protein
Ga0187897 100089128 Phage-related holin Lysis protein
Ga0139362 100138744 Phage-related holin Lysis protein
Ga0139311 100083311 Phage-related holin Lysis protein
Ga0207351 102711 Phage-related holin Lysis protein
QBX15580.1 holin phage Javan191
QBX16587.1 holin Streptococcus phage Javan261
QBX27909.1 holin Streptococcus phage Javan422
Ga0160425 10021104 Phage-related holin Lysis protein
Ga0163159 10021604 Phage-related holin Lysis protein
Environmental sequences
(20)
(28)
Ga0081461 10056018 Phage-related holin Lysis protein
Ga0114155 10014988 Phage-related holin Lysis protein
ASD51115.1 holin Erysipelothrix phage phi1605
QBX31318.1 holin Streptococcus phage Javan630
EM308 101868839 Phage-related holin Lysis protein
Ga0153922 10004674 Phage-related holin Lysis protein
WP 134112787.1 holin HTH1
Ga0071011 10029447 Phage-related holin Lysis protein
Ga0105888 1009767 Phage-related holin Lysis protein
EM205 10029794 Phage-related holin Lysis protein
Ga0115670 100113413 Phage-related holin Lysis protein
Ga0134422 10019940 Phage-related holin Lysis protein
Ga0114025 10004047 Phage-related holin Lysis protein
Ga0134404 1001735 Phage-related holin Lysis protein
Staphylococci phages (25)
YP 001468802.1 Hol Listeria phage P35
YP 002261434.1 gp18 Listeria phage P40
YP 009140408.1 putative holin Lactococcus phage EF62phi
YP 006218726.1 holin Enterococcus phage 1358