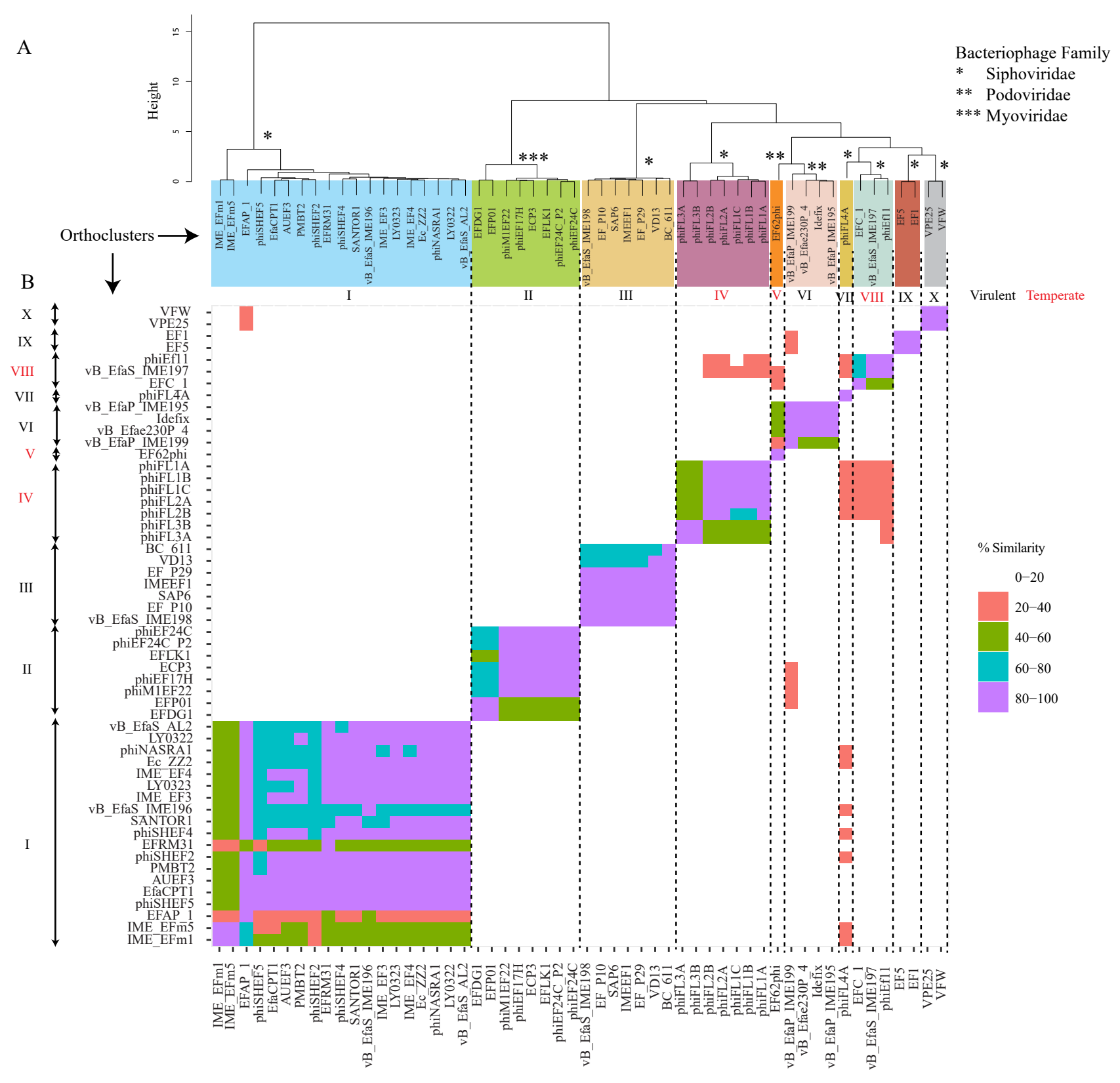
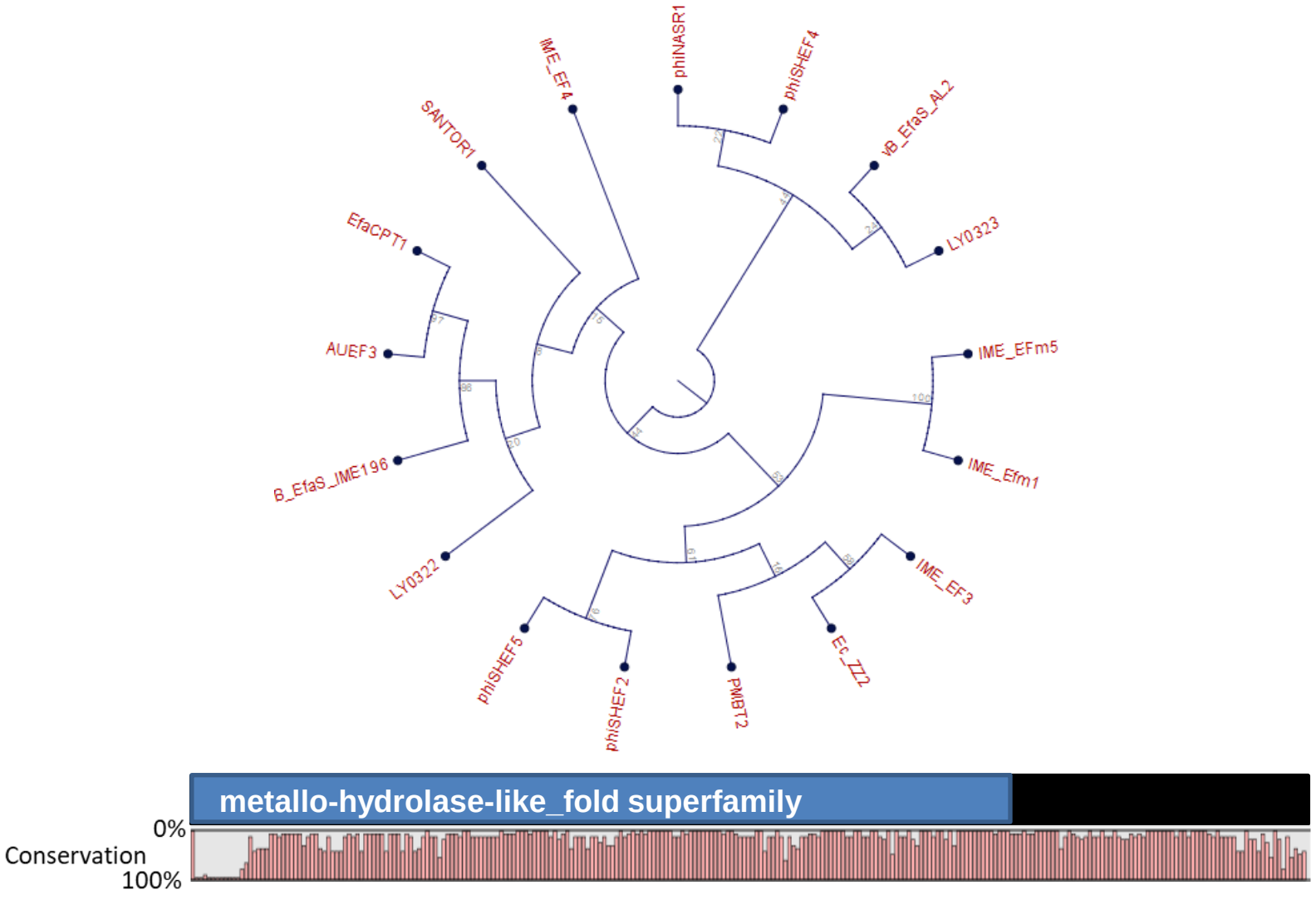
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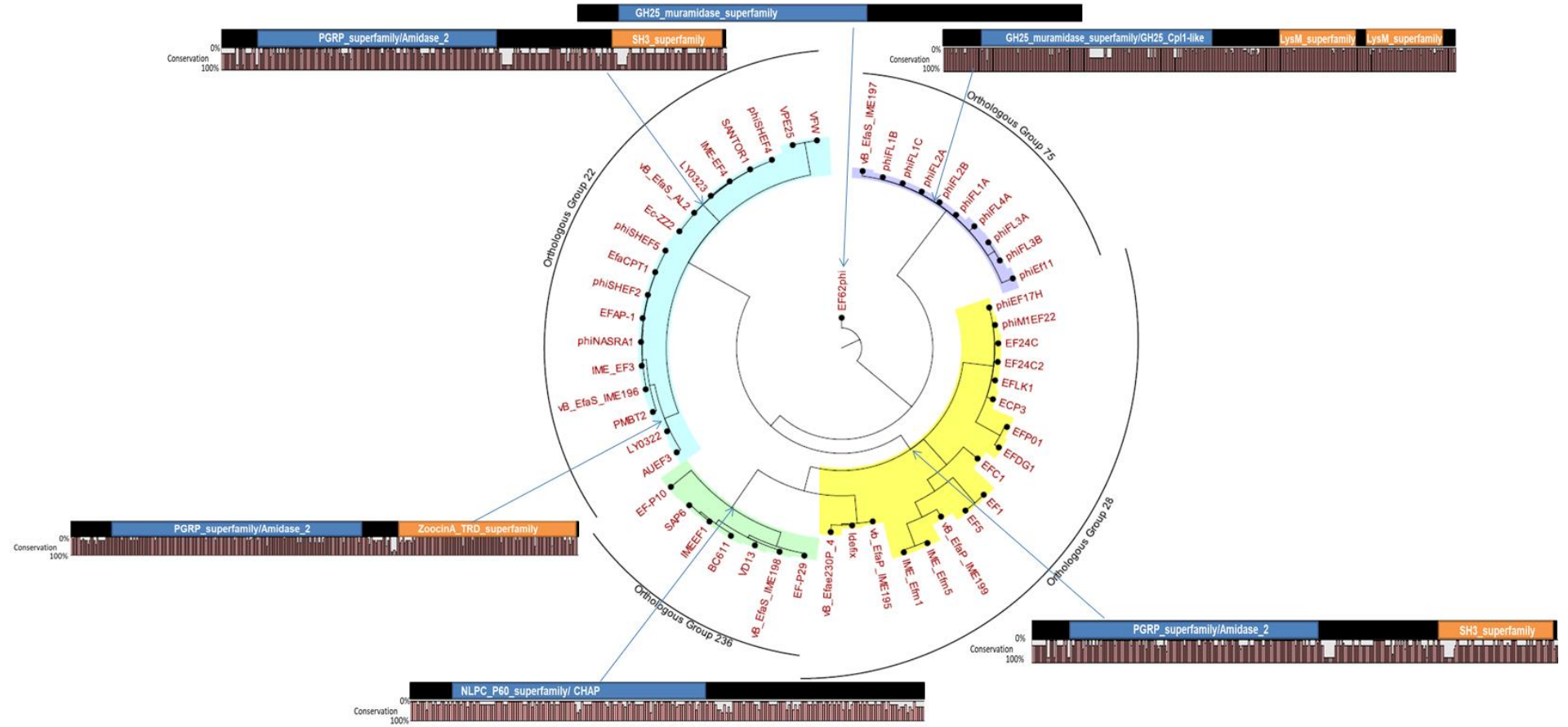
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Authors	Boloca, Andrei Sorin;Upadrasta, Aditya;de Almeida Bettio, Pedro H.;Clooney, Adam G.;Draper, Lorraine A.;Ross, R. Paul;Hill, Colin
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UCC
University College Cork, Ireland
Coláiste na hOllscoile Corcaigh


A
Height
0
5
10
15
Bacteriophage Family
* Siphoviridae
** Podoviridae
*** Myoviridae
Orthoclusters
IME_EFm1
IME_EFm5
EFAP_1
phiSHEF5
EfaCPT1
AUEF3
PMBT2
phiSHEF2
EFRM31
phiSHEF4
SANTOR1
vB_EfaS_IME196
IME_EF3
LY0323
IME_EF4
Ec_ZZ2
phiNASRA1
LY0322
vB_EfaS_AL2
EFDG1
EFP01
phiM1EF22
phiEF17H
ECP3
EFLK1
phiEF24C_P2
phiEF24C
vB_EfaS_IME198
EF_P10
SAP6
IMEEF1
EF_P29
VD13
BC_611
phiFL3A
phiFL3B
phiFL2B
phiFL2A
phiFL1C
phiFL1B
phiFL1A
EF62phi
vB_EfaP_IME199
vB_Efae230P_4
Idefix
vB_EfaP_IME195
phiFL4A
EFC_1
vB_EfaS_IME197
phiEf11
EF5
EF1
VPE25
VFW
I
II
III
IV
V
VI
VII
VIII
IX
X
B
Virulent
Temperate
% Similarity
0−20
20−40
40−60
60−80
80−100


phiNASR1
phiSHEF4
VB_EfaS_AL2
LY0323
IME_EFm5
IME_Efm1
IME_EF3
Ec_ZZ2
PMBT2
phiSHEF2
phiSHEF5
LY0322
B_EfaS_IME196
AUEF3
EfaCPT1
SANTOR1
IME_EF4
metallo-hydrolase-like_fold superfamily
0%
Conservation
100%


GH25_muramidase_superfamily
PGRP_superfamily/Amidase_2
SH3_superfamily
GH25_muramidase_superfamily/GH25_Cpl1-like
LysM_superfamily
LysM_superfamily
PGRP_superfamily/Amidase_2
ZoocinA_TRD_superfamily
NLPC_P60_superfamily/ CHAP
PGRP_superfamily/Amidase_2
SH3_superfamily
Conservation
0%
100%
Orthologous Group 22
Orthologous Group 75
Orthologous Group 28
Orthologous Group 236
VFW
VPE25
phiSHEF4
SANTOR1
IME-EF4
LY0323
vB_EfaS_AL2
Ec-ZZ2
phiSHEF5
EfaCPT1
phiSHEF2
EFAP-1
phiNASRA1
IME_EF3
vB_EfaS_IME196
PMBT2
LY0322
AUEF3
EF-P10
SAP6
IMEEF1
BC611
VD13
vB_EfaS_IME198
EF-P29
vB_Efae230P_4
idefix
vb_EfaP_IME195
IME_Efm1
IME_Efm5
vB_EfaP_IME199
EF5
EF1
EFC1
EFDG1
EFP01
ECP3
EFLK1
EF24C2
EF24C
phiM1EF22
phiEF17H
EF62phi
phiEf11
phiFL3B
phiFL3A
phiFL4A
phiFL1A
phiFL2B
phiFL2A
phiFL1C
phiFL1B
vB_EfaS_IME197