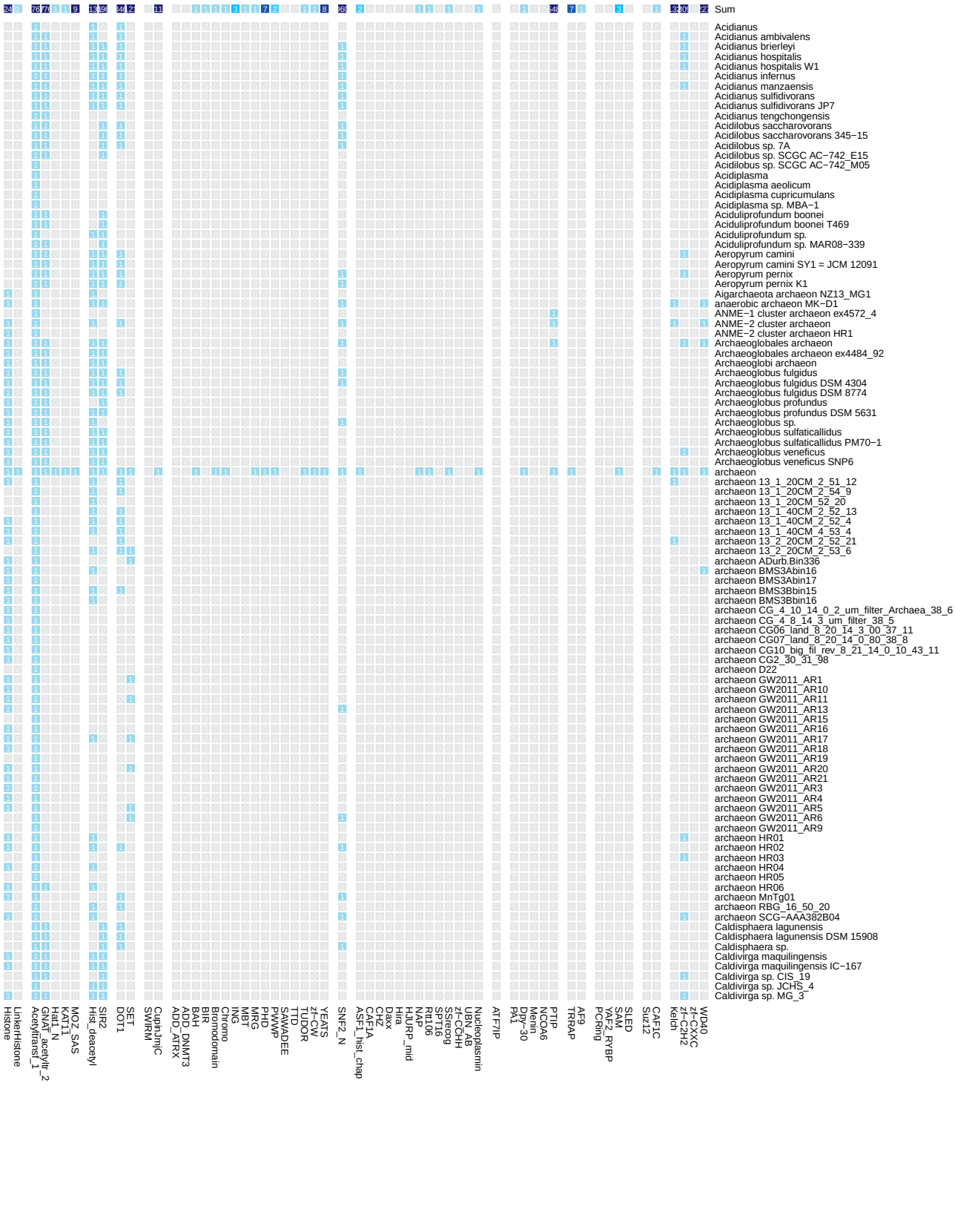
Gene presence per taxon in Archaea (superkingdom) (1/20)
Sum
Acidianus
Acidianus ambivalens
Acidianus brierleyi
Acidianus hospitalis
Acidianus hospitalis W1
Acidianus infernus
Acidianus manzaensis
Acidianus sulfidivorans
Acidianus sulfidivorans JP7
Acidianus tengchongensis
Acidilobus saccharovorans
Acidilobus saccharovorans 345−15
Acidilobus sp. 7A
Acidilobus sp. SCGC AC−742_E15
Acidilobus sp. SCGC AC−742_M05
Acidiplasma
Acidiplasma aeolicum
Acidiplasma cupricumulans
Acidiplasma sp. MBA−1
Aciduliprofundum boonei
Aciduliprofundum boonei T469
Aciduliprofundum sp.
Aciduliprofundum sp. MAR08−339
Aeropyrum camini
Aeropyrum camini SY1 = JCM 12091
Aeropyrum pernix
Aeropyrum pernix K1
Aigarchaeota archaeon NZ13_MG1
anaerobic archaeon MK−D1
ANME−1 cluster archaeon ex4572_4
ANME−2 cluster archaeon
ANME−2 cluster archaeon HR1
Archaeoglobales archaeon
Archaeoglobales archaeon ex4484_92
Archaeoglobi archaeon
Archaeoglobus fulgidus
Archaeoglobus fulgidus DSM 4304
Archaeoglobus fulgidus DSM 8774
Archaeoglobus profundus
Archaeoglobus profundus DSM 5631
Archaeoglobus sp.
Archaeoglobus sulfaticallidus
Archaeoglobus sulfaticallidus PM70−1
Archaeoglobus veneficus
Archaeoglobus veneficus SNP6
archaeon
archaeon 13_1_20CM_2_51_12
archaeon 13_1_20CM_2_54_9
archaeon 13_1_20CM_52_20
archaeon 13_1_40CM_2_52_13
archaeon 13_1_40CM_2_52_4
archaeon 13_1_40CM_4_53_4
archaeon 13_2_20CM_2_52_21
archaeon 13_2_20CM_2_53_6
archaeon ADurb.Bin336
archaeon BMS3Abin16
archaeon BMS3Abin17
archaeon BMS3Bbin15
archaeon BMS3Bbin16
archaeon CG_4_10_14_0_2_um_filter_Archaea_38_6
archaeon CG_4_8_14_3_um_filter_38_5
archaeon CG06_land_8_20_14_3_00_37_11
archaeon CG07_land_8_20_14_0_80_38_8
archaeon CG10_big_fil_rev_8_21_14_0_10_43_11
archaeon CG2_30_31_98
archaeon D22
archaeon GW2011_AR1
archaeon GW2011_AR10
archaeon GW2011_AR11
archaeon GW2011_AR13
archaeon GW2011_AR15
archaeon GW2011_AR16
archaeon GW2011_AR17
archaeon GW2011_AR18
archaeon GW2011_AR19
archaeon GW2011_AR20
archaeon GW2011_AR21
archaeon GW2011_AR3
archaeon GW2011_AR4
archaeon GW2011_AR5
archaeon GW2011_AR6
archaeon GW2011_AR9
archaeon HR01
archaeon HR02
archaeon HR03
archaeon HR04
archaeon HR05
archaeon HR06
archaeon MnTg01
archaeon RBG_16_50_20
archaeon SCG−AAA382B04
Caldisphaera lagunensis
Caldisphaera lagunensis DSM 15908
Caldisphaera sp.
Caldivirga maquilingensis
Caldivirga maquilingensis IC−167
Caldivirga sp. CIS_19
Caldivirga sp. JCHS_4
Caldivirga sp. MG_3
Histone
LinkerHistone
AcetylTransf_1
GNAT_acetyltr_2
HAT_N
KAT11
MOZ_SAS
Hist_deacetyl
SIR2
DOT1
SET
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf−CW
YEATS
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
DDT
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
SAM
YAF2_RYBP
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40
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6
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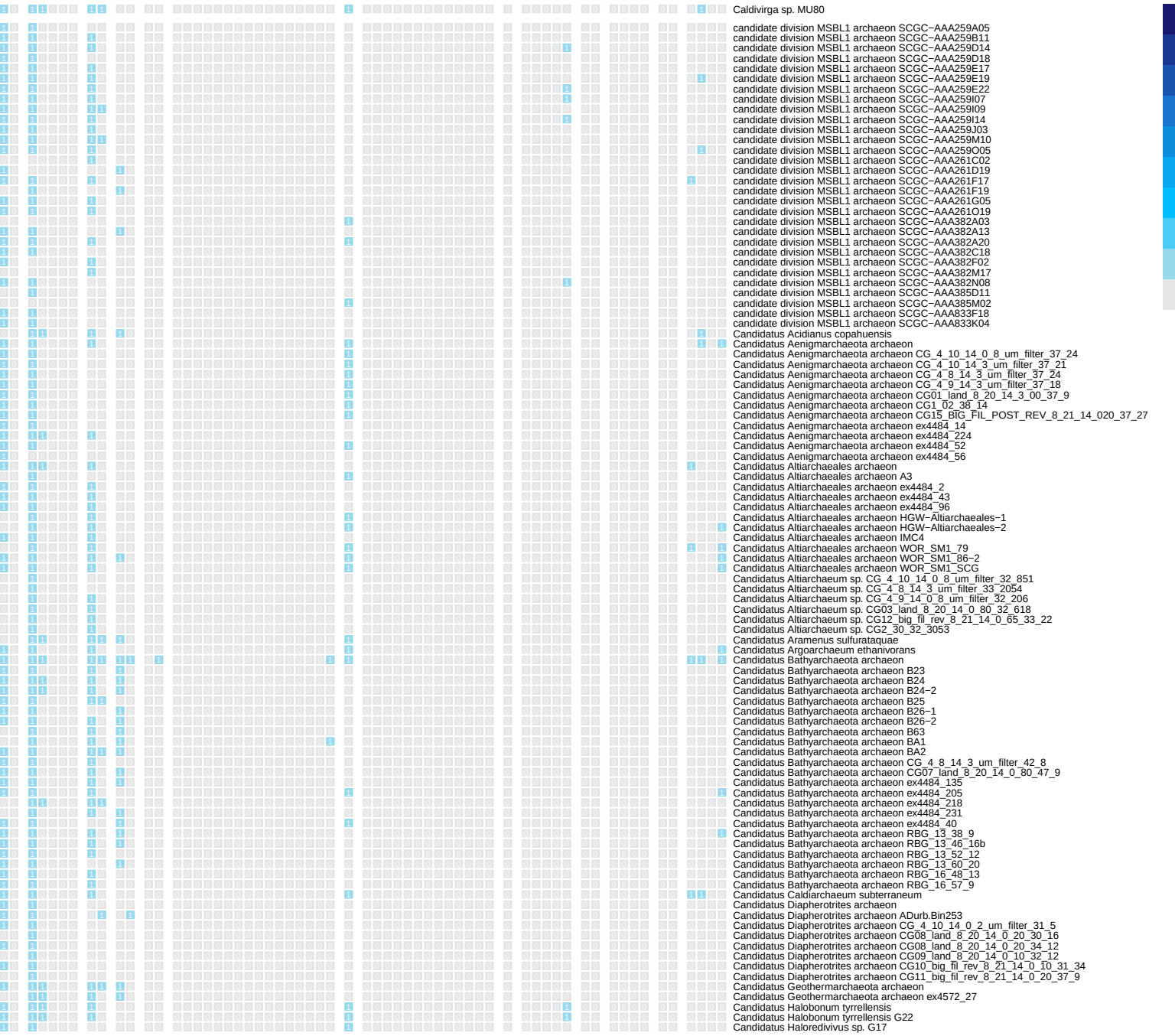
Gene presence per taxon in Archaea (superkingdom) (2/20)
Caldivirga sp. MU80
candidate division MSBL1 archaeon SCGC−AAA259A05
candidate division MSBL1 archaeon SCGC−AAA259B11
candidate division MSBL1 archaeon SCGC−AAA259D14
candidate division MSBL1 archaeon SCGC−AAA259D18
candidate division MSBL1 archaeon SCGC−AAA259E17
candidate division MSBL1 archaeon SCGC−AAA259E19
candidate division MSBL1 archaeon SCGC−AAA259E22
candidate division MSBL1 archaeon SCGC−AAA259I07
candidate division MSBL1 archaeon SCGC−AAA259I09
candidate division MSBL1 archaeon SCGC−AAA259I14
candidate division MSBL1 archaeon SCGC−AAA259J03
candidate division MSBL1 archaeon SCGC−AAA259M10
candidate division MSBL1 archaeon SCGC−AAA259O05
candidate division MSBL1 archaeon SCGC−AAA261C02
candidate division MSBL1 archaeon SCGC−AAA261D19
candidate division MSBL1 archaeon SCGC−AAA261F17
candidate division MSBL1 archaeon SCGC−AAA261F19
candidate division MSBL1 archaeon SCGC−AAA261G05
candidate division MSBL1 archaeon SCGC−AAA261O19
candidate division MSBL1 archaeon SCGC−AAA382A03
candidate division MSBL1 archaeon SCGC−AAA382A13
candidate division MSBL1 archaeon SCGC−AAA382A20
candidate division MSBL1 archaeon SCGC−AAA382C18
candidate division MSBL1 archaeon SCGC−AAA382F02
candidate division MSBL1 archaeon SCGC−AAA382M17
candidate division MSBL1 archaeon SCGC−AAA382N08
candidate division MSBL1 archaeon SCGC−AAA385D11
candidate division MSBL1 archaeon SCGC−AAA385M02
candidate division MSBL1 archaeon SCGC−AAA833F18
candidate division MSBL1 archaeon SCGC−AAA833K04
Candidatus Acidianus copahuensis
Candidatus Aenigmarchaeota archaeon
Candidatus Aenigmarchaeota archaeon CG_4_10_14_0_8_um_filter_37_24
Candidatus Aenigmarchaeota archaeon CG_4_10_14_3_um_filter_37_21
Candidatus Aenigmarchaeota archaeon CG_4_8_14_3_um_filter_37_24
Candidatus Aenigmarchaeota archaeon CG_4_9_14_3_um_filter_37_18
Candidatus Aenigmarchaeota archaeon CG01_land_8_20_14_3_00_37_9
Candidatus Aenigmarchaeota archaeon CG1_02_38_14
Candidatus Aenigmarchaeota archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_37_27
Candidatus Aenigmarchaeota archaeon ex4484_14
Candidatus Aenigmarchaeota archaeon ex4484_224
Candidatus Aenigmarchaeota archaeon ex4484_52
Candidatus Aenigmarchaeota archaeon ex4484_56
Candidatus Altiarchaeales archaeon
Candidatus Altiarchaeales archaeon A3
Candidatus Altiarchaeales archaeon ex4484_2
Candidatus Altiarchaeales archaeon ex4484_43
Candidatus Altiarchaeales archaeon ex4484_96
Candidatus Altiarchaeales archaeon HGW−Altiarchaeales−1
Candidatus Altiarchaeales archaeon HGW−Altiarchaeales−2
Candidatus Altiarchaeales archaeon IMC4
Candidatus Altiarchaeales archaeon WOR_SM1_79
Candidatus Altiarchaeales archaeon WOR_SM1_86−2
Candidatus Altiarchaeales archaeon WOR_SM1_SCG
Candidatus Altiarchaeum sp. CG_4_10_14_0_8_um_filter_32_851
Candidatus Altiarchaeum sp. CG_4_8_14_3_um_filter_33_2054
Candidatus Altiarchaeum sp. CG_4_9_14_0_8_um_filter_32_206
Candidatus Altiarchaeum sp. CG03_land_8_20_14_0_80_32_618
Candidatus Altiarchaeum sp. CG12_big_fil_rev_8_21_14_0_65_33_22
Candidatus Altiarchaeum sp. CG2_30_32_3053
Candidatus Aramenus sulfurataquae
Candidatus Argoarchaeum ethanivorans
Candidatus Bathyarchaeota archaeon
Candidatus Bathyarchaeota archaeon B23
Candidatus Bathyarchaeota archaeon B24
Candidatus Bathyarchaeota archaeon B24−2
Candidatus Bathyarchaeota archaeon B25
Candidatus Bathyarchaeota archaeon B26−1
Candidatus Bathyarchaeota archaeon B26−2
Candidatus Bathyarchaeota archaeon B63
Candidatus Bathyarchaeota archaeon BA1
Candidatus Bathyarchaeota archaeon BA2
Candidatus Bathyarchaeota archaeon CG_4_8_14_3_um_filter_42_8
Candidatus Bathyarchaeota archaeon CG07_land_8_20_14_0_80_47_9
Candidatus Bathyarchaeota archaeon ex4484_135
Candidatus Bathyarchaeota archaeon ex4484_205
Candidatus Bathyarchaeota archaeon ex4484_218
Candidatus Bathyarchaeota archaeon ex4484_231
Candidatus Bathyarchaeota archaeon ex4484_40
Candidatus Bathyarchaeota archaeon RBG_13_38_9
Candidatus Bathyarchaeota archaeon RBG_13_46_16b
Candidatus Bathyarchaeota archaeon RBG_13_52_12
Candidatus Bathyarchaeota archaeon RBG_13_60_20
Candidatus Bathyarchaeota archaeon RBG_16_48_13
Candidatus Bathyarchaeota archaeon RBG_16_57_9
Candidatus Caldiarchaeum subterraneum
Candidatus Diapherotrites archaeon
Candidatus Diapherotrites archaeon ADurb.Bin253
Candidatus Diapherotrites archaeon CG_4_10_14_0_2_um_filter_31_5
Candidatus Diapherotrites archaeon CG08_land_8_20_14_0_20_30_16
Candidatus Diapherotrites archaeon CG08_land_8_20_14_0_20_34_12
Candidatus Diapherotrites archaeon CG09_land_8_20_14_0_10_32_12
Candidatus Diapherotrites archaeon CG10_big_fil_rev_8_21_14_0_10_31_34
Candidatus Diapherotrites archaeon CG11_big_fil_rev_8_21_14_0_20_37_9
Candidatus Geothermarchaeota archaeon
Candidatus Geothermarchaeota archaeon ex4572_27
Candidatus Halobonum tyrrellensis
Candidatus Halobonum tyrrellensis G22
Candidatus Haloredivivus sp. G17
WD40
zf−CXXC
zf−C2H2
Kelch
CAF1C
Suz12
SLED
SAM
YAF2_RYBP
PCRing
AF9
TRRAP
PTIP
NCOA6
Menin
Dpy−30
PA1
ATF7IP
Nucleoplasmin
UBN_AB
zf−CCHH
SSrecog
SPT16
Rtt106
NAP
H2AUPR_mid
Hira
Daxx
CHZ
CAF1A
ASF1_hist_chap
SNF2_N
PHD
MRG
MBT
ING
Chromo
Bromodomain
BIR
BAH
ADD_DNMT3
ADD_ATRX
CupinJmjC
SWIRM
SET
DOT1
SIR2
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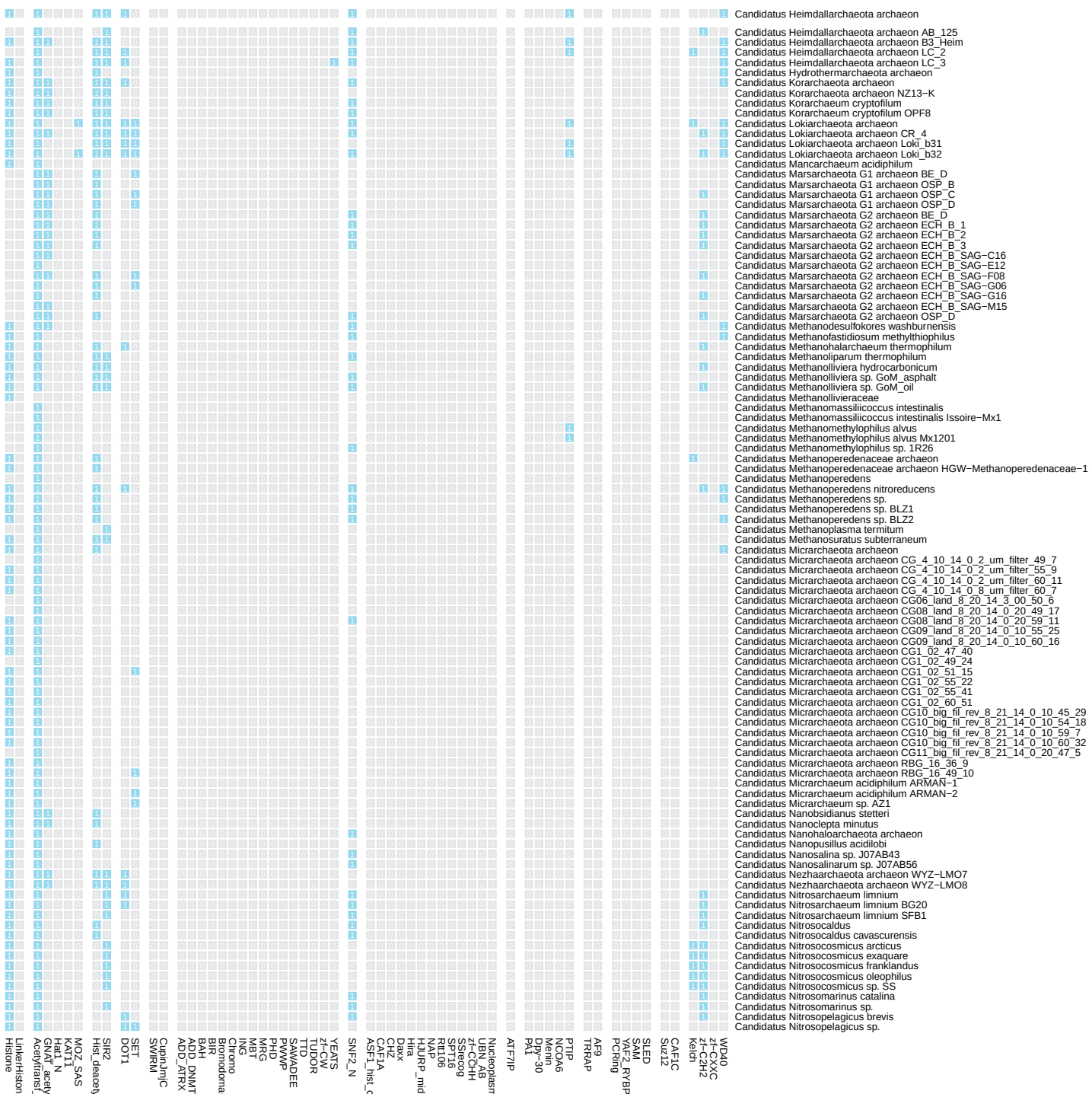
MOZ_SAS
KAT11
HAT_N
GNAT_acetyltr_2
Acetyltransf_1
LinkerHistone
Histone


Gene presence per taxon in Archaea (superkingdom) (3/20)
Candidatus Heimdallarchaeota archaeon
Candidatus Heimdallarchaeota archaeon AB_125
Candidatus Heimdallarchaeota archaeon B3_Heim
Candidatus Heimdallarchaeota archaeon LC_2
Candidatus Heimdallarchaeota archaeon LC_3
Candidatus Hydrothermarchaeota archaeon
Candidatus Korarchaeota archaeon
Candidatus Korarchaeota archaeon NZ13−K
Candidatus Korarchaeum cryptofilum
Candidatus Korarchaeum cryptofilum OPF8
Candidatus Lokiarchaeota archaeon
Candidatus Lokiarchaeota archaeon CR_4
Candidatus Lokiarchaeota archaeon Loki_b31
Candidatus Lokiarchaeota archaeon Loki_b32
Candidatus Mancarchaeum acidiphilum
Candidatus Marsarchaeota G1 archaeon BE_D
Candidatus Marsarchaeota G1 archaeon OSP_B
Candidatus Marsarchaeota G1 archaeon OSP_C
Candidatus Marsarchaeota G1 archaeon OSP_D
Candidatus Marsarchaeota G2 archaeon BE_D
Candidatus Marsarchaeota G2 archaeon ECH_B_1
Candidatus Marsarchaeota G2 archaeon ECH_B_2
Candidatus Marsarchaeota G2 archaeon ECH_B_3
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−C16
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−E12
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−F08
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−G06
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−G16
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−M15
Candidatus Marsarchaeota G2 archaeon OSP_D
Candidatus Methanodesulfokores washburnensis
Candidatus Methanofastidiosum methylthiophilus
Candidatus Methanohalarchaeum thermophilum
Candidatus Methanoliparum thermophilum
Candidatus Methanolliviera hydrocarbonicum
Candidatus Methanolliviera sp. GoM_asphalt
Candidatus Methanolliviera sp. GoM_oil
Candidatus Methanollivieraceae
Candidatus Methanomassiliicoccus intestinalis
Candidatus Methanomassiliicoccus intestinalis Issoire−Mx1
Candidatus Methanomethylophilus alvus
Candidatus Methanomethylophilus alvus Mx1201
Candidatus Methanomethylophilus sp. 1R26
Candidatus Methanoperedenaceae archaeon
Candidatus Methanoperedenaceae archaeon HGW−Methanoperedenaceae−1
Candidatus Methanoperedens
Candidatus Methanoperedens nitroreducens
Candidatus Methanoperedens sp.
Candidatus Methanoperedens sp. BLZ1
Candidatus Methanoperedens sp. BLZ2
Candidatus Methanoplasma termitum
Candidatus Methanosuratus subterraneum
Candidatus Micrarchaeota archaeon
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_49_7
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_55_9
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_60_11
Candidatus Micrarchaeota archaeon CG_4_10_14_0_8_um_filter_60_7
Candidatus Micrarchaeota archaeon CG06_land_8_20_14_3_00_50_6
Candidatus Micrarchaeota archaeon CG08_land_8_20_14_0_20_49_17
Candidatus Micrarchaeota archaeon CG08_land_8_20_14_0_20_59_11
Candidatus Micrarchaeota archaeon CG09_land_8_20_14_0_10_55_25
Candidatus Micrarchaeota archaeon CG09_land_8_20_14_0_10_60_16
Candidatus Micrarchaeota archaeon CG1_02_47_40
Candidatus Micrarchaeota archaeon CG1_02_49_24
Candidatus Micrarchaeota archaeon CG1_02_51_15
Candidatus Micrarchaeota archaeon CG1_02_55_22
Candidatus Micrarchaeota archaeon CG1_02_55_41
Candidatus Micrarchaeota archaeon CG1_02_60_51
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_29
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_54_18
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_59_7
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_60_32
Candidatus Micrarchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_47_5
Candidatus Micrarchaeota archaeon RBG_16_36_9
Candidatus Micrarchaeota archaeon RBG_16_49_10
Candidatus Micrarchaeum acidiphilum ARMAN−1
Candidatus Micrarchaeum acidiphilum ARMAN−2
Candidatus Micrarchaeum sp. AZ1
Candidatus Nanobsidianus stetteri
Candidatus Nanoclepta minutus
Candidatus Nanohaloarchaeota archaeon
Candidatus Nanopusillus acidilobi
Candidatus Nanosalina sp. J07AB43
Candidatus Nanosalinarum sp. J07AB56
Candidatus Nezhaarchaeota archaeon WYZ−LMO7
Candidatus Nezhaarchaeota archaeon WYZ−LMO8
Candidatus Nitrosarchaeum limnium
Candidatus Nitrosarchaeum limnium BG20
Candidatus Nitrosarchaeum limnium SFB1
Candidatus Nitrosocaldus
Candidatus Nitrosocaldus cavascurensis
Candidatus Nitrosocosmicus arcticus
Candidatus Nitrosocosmicus exaquare
Candidatus Nitrosocosmicus franklandus
Candidatus Nitrosocosmicus oleophilus
Candidatus Nitrosocosmicus sp. SS
Candidatus Nitrosomarinus catalina
Candidatus Nitrosomarinus sp.
Candidatus Nitrosopelagicus brevis
Candidatus Nitrosopelagicus sp.
LinkerHistone
Histone
LinkerHistone
AcetyltransI_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
Hist_deacetyl
SIR2
DOT1
SET
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf−CW
YEATS
SNF2_N
ASF1_hist_chap
CAF1A
CAF1B
Dax
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
zf−CXXC
zf−C2H2
Kelch
WD40
Nucleoplasmin
UBN_AB
ATF7IP
Dpy−30
Menin
NCOA6
PA1
PTIP
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
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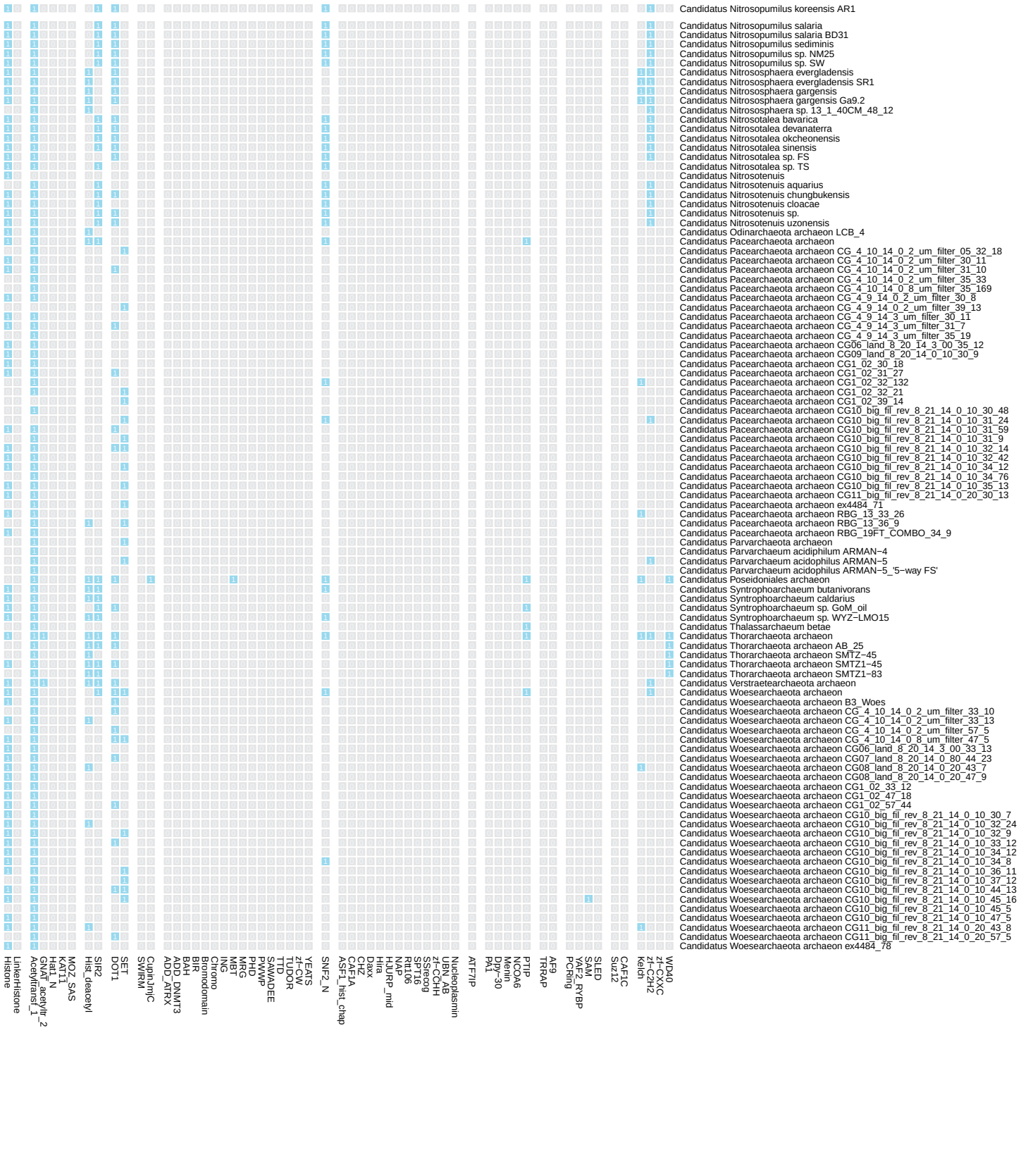
Gene presence per taxon in Archaea (superkingdom) (4/20)
Candidatus Nitrosopumilus koreensis AR1
Candidatus Nitrosopumilus salaria
Candidatus Nitrosopumilus salaria BD31
Candidatus Nitrosopumilus sediminis
Candidatus Nitrosopumilus sp. NM25
Candidatus Nitrosopumilus sp. SW
Candidatus Nitrososphaera evergladensis
Candidatus Nitrososphaera evergladensis SR1
Candidatus Nitrososphaera gargensis
Candidatus Nitrososphaera gargensis Ga9.2
Candidatus Nitrososphaera sp. 13_1_40CM_48_12
Candidatus Nitrosotalea bavarica
Candidatus Nitrosotalea devanaterra
Candidatus Nitrosotalea okcheonensis
Candidatus Nitrosotalea sinensis
Candidatus Nitrosotalea sp. FS
Candidatus Nitrosotalea sp. TS
Candidatus Nitrosotenuis
Candidatus Nitrosotenuis aquarius
Candidatus Nitrosotenuis chungbukensis
Candidatus Nitrosotenuis cloacae
Candidatus Nitrosotenuis sp.
Candidatus Nitrosotenuis uzonensis
Candidatus Odinarchaeota archaeon LCB_4
Candidatus Pacearchaeota archaeon
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_05_32_18
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_30_11
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_31_10
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_35_33
Candidatus Pacearchaeota archaeon CG_4_10_14_0_8_um_filter_35_169
Candidatus Pacearchaeota archaeon CG_4_9_14_0_2_um_filter_30_8
Candidatus Pacearchaeota archaeon CG_4_9_14_0_2_um_filter_39_13
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_30_11
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_31_7
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_35_19
Candidatus Pacearchaeota archaeon CG06_land_8_20_14_3_00_35_12
Candidatus Pacearchaeota archaeon CG09_land_8_20_14_0_10_30_9
Candidatus Pacearchaeota archaeon CG1_02_30_18
Candidatus Pacearchaeota archaeon CG1_02_31_27
Candidatus Pacearchaeota archaeon CG1_02_32_132
Candidatus Pacearchaeota archaeon CG1_02_32_21
Candidatus Pacearchaeota archaeon CG1_02_39_14
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_30_48
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_31_24
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_31_59
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Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_14
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_42
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_12
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_76
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_35_13
Candidatus Pacearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_30_13
Candidatus Pacearchaeota archaeon ex4484_71
Candidatus Pacearchaeota archaeon RBG_13_33_26
Candidatus Pacearchaeota archaeon RBG_13_36_9
Candidatus Pacearchaeota archaeon RBG_19FT_COMBO_34_9
Candidatus Parvarchaeota archaeon
Candidatus Parvarchaeum acidiphilum ARMAN−4
Candidatus Parvarchaeum acidophilus ARMAN−5
Candidatus Parvarchaeum acidophilus ARMAN−5_'5−way FS'
Candidatus Poseidoniales archaeon
Candidatus Syntrophoarchaeum butanivorans
Candidatus Syntrophoarchaeum caldarius
Candidatus Syntrophoarchaeum sp. GoM_oil
Candidatus Syntrophoarchaeum sp. WYZ−LMO15
Candidatus Thalassarchaeum betae
Candidatus Thorarchaeota archaeon
Candidatus Thorarchaeota archaeon AB_25
Candidatus Thorarchaeota archaeon SMTZ−45
Candidatus Thorarchaeota archaeon SMTZ1−45
Candidatus Thorarchaeota archaeon SMTZ1−83
Candidatus Verstraetearchaeota archaeon
Candidatus Woesearchaeota archaeon
Candidatus Woesearchaeota archaeon B3_Woes
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_33_10
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_33_13
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_57_5
Candidatus Woesearchaeota archaeon CG_4_10_14_0_8_um_filter_47_5
Candidatus Woesearchaeota archaeon CG06_land_8_20_14_3_00_33_13
Candidatus Woesearchaeota archaeon CG07_land_8_20_14_0_80_44_23
Candidatus Woesearchaeota archaeon CG08_land_8_20_14_0_20_43_7
Candidatus Woesearchaeota archaeon CG08_land_8_20_14_0_20_47_9
Candidatus Woesearchaeota archaeon CG1_02_33_12
Candidatus Woesearchaeota archaeon CG1_02_47_18
Candidatus Woesearchaeota archaeon CG1_02_57_44
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_30_7
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_24
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_9
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_33_12
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_12
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_8
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_36_11
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_37_12
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_44_13
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_16
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_5
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_47_5
Candidatus Woesearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_43_8
Candidatus Woesearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_57_5
Candidatus Woesearchaeota archaeon ex4484_78
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Hist_deacetyl
DOT1
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SWIRM
ADD_ATRX
ADD_DNMT3
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BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
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TTD
TUDOR
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YEATS
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CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
SLED
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Menin
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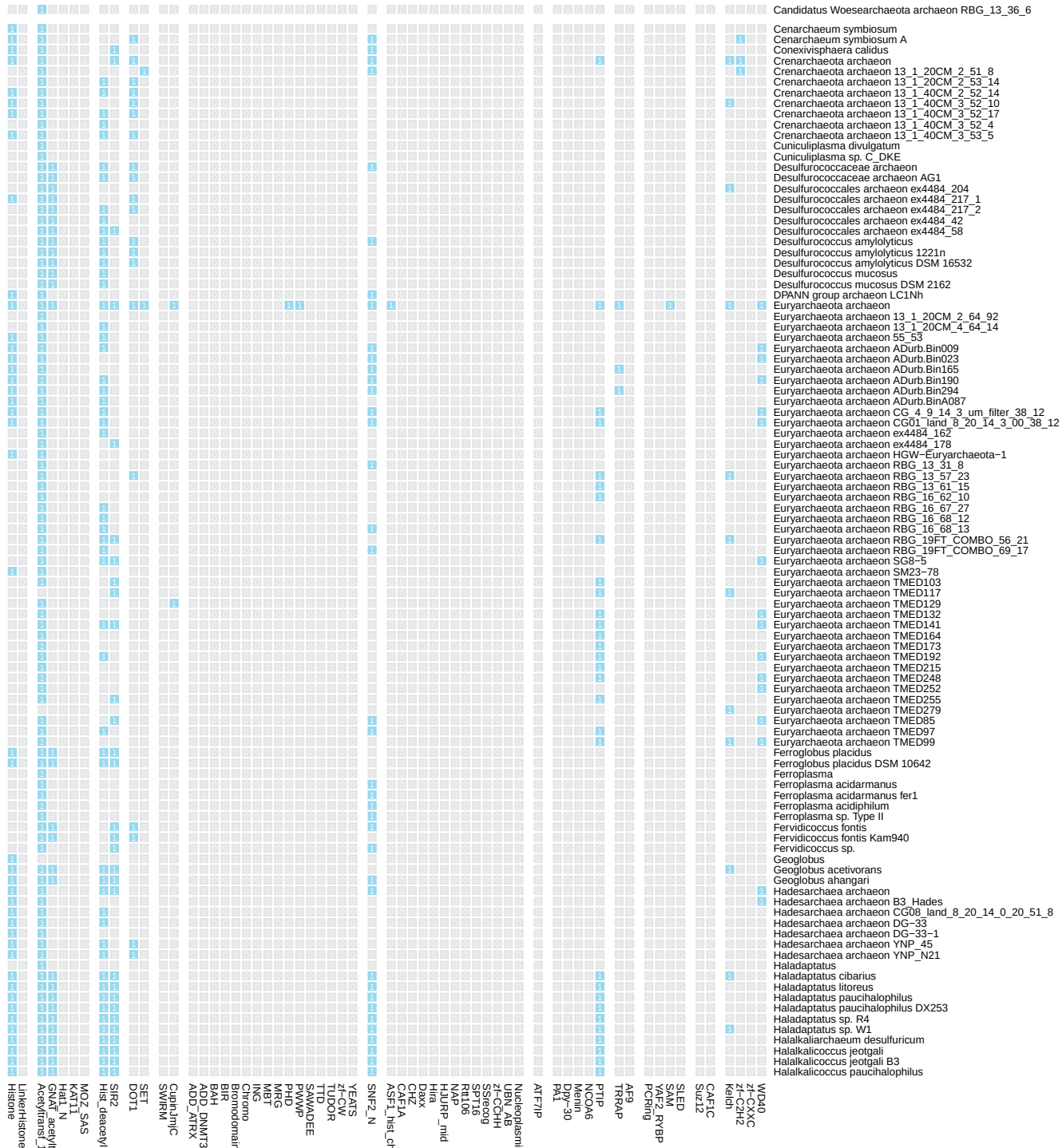
Gene presence per taxon in Archaea (superkingdom) (5/20)
Candidatus Woesearchaeota archaeon RBG_13_36_6
Cenarchaeum symbiosum
Cenarchaeum symbiosum A
Conexivisphaera calidus
Crenarchaeota archaeon
Crenarchaeota archaeon 13_1_20CM_2_51_8
Crenarchaeota archaeon 13_1_20CM_2_53_14
Crenarchaeota archaeon 13_1_40CM_2_52_14
Crenarchaeota archaeon 13_1_40CM_3_52_10
Crenarchaeota archaeon 13_1_40CM_3_52_17
Crenarchaeota archaeon 13_1_40CM_3_52_4
Crenarchaeota archaeon 13_1_40CM_3_53_5
Cuniculiplasma divulgatum
Cuniculiplasma sp. C_DKE
Desulfurococcaceae archaeon
Desulfurococcaceae archaeon AG1
Desulfurococcales archaeon ex4484_204
Desulfurococcales archaeon ex4484_217_1
Desulfurococcales archaeon ex4484_217_2
Desulfurococcales archaeon ex4484_42
Desulfurococcales archaeon ex4484_58
Desulfurococcus amylolyticus
Desulfurococcus amylolyticus 1221n
Desulfurococcus amylolyticus DSM 16532
Desulfurococcus mucosus
Desulfurococcus mucosus DSM 2162
DPANN group archaeon LC1Nh
Euryarchaeota archaeon
Euryarchaeota archaeon 13_1_20CM_2_64_92
Euryarchaeota archaeon 13_1_20CM_4_64_14
Euryarchaeota archaeon 55_53
Euryarchaeota archaeon ADurb.Bin009
Euryarchaeota archaeon ADurb.Bin023
Euryarchaeota archaeon ADurb.Bin165
Euryarchaeota archaeon ADurb.Bin190
Euryarchaeota archaeon ADurb.Bin294
Euryarchaeota archaeon ADurb.BinA087
Euryarchaeota archaeon CG_4_9_14_3_um_filter_38_12
Euryarchaeota archaeon CG01_land_8_20_14_3_00_38_12
Euryarchaeota archaeon ex4484_162
Euryarchaeota archaeon ex4484_178
Euryarchaeota archaeon HGW−Euryarchaeota−1
Euryarchaeota archaeon RBG_13_31_8
Euryarchaeota archaeon RBG_13_57_23
Euryarchaeota archaeon RBG_13_61_15
Euryarchaeota archaeon RBG_16_62_10
Euryarchaeota archaeon RBG_16_67_27
Euryarchaeota archaeon RBG_16_68_12
Euryarchaeota archaeon RBG_16_68_13
Euryarchaeota archaeon RBG_19FT_COMBO_56_21
Euryarchaeota archaeon RBG_19FT_COMBO_69_17
Euryarchaeota archaeon SG8−5
Euryarchaeota archaeon SM23−78
Euryarchaeota archaeon TMED103
Euryarchaeota archaeon TMED117
Euryarchaeota archaeon TMED129
Euryarchaeota archaeon TMED132
Euryarchaeota archaeon TMED141
Euryarchaeota archaeon TMED164
Euryarchaeota archaeon TMED173
Euryarchaeota archaeon TMED192
Euryarchaeota archaeon TMED215
Euryarchaeota archaeon TMED248
Euryarchaeota archaeon TMED252
Euryarchaeota archaeon TMED255
Euryarchaeota archaeon TMED279
Euryarchaeota archaeon TMED85
Euryarchaeota archaeon TMED97
Euryarchaeota archaeon TMED99
Ferroglobus placidus
Ferroglobus placidus DSM 10642
Ferroplasma
Ferroplasma acidarmanus
Ferroplasma acidarmanus fer1
Ferroplasma acidiphilum
Ferroplasma sp. Type II
Fervidicoccus fontis
Fervidicoccus fontis Kam940
Fervidicoccus sp.
Geoglobus
Geoglobus acetivorans
Geoglobus ahangari
Hadesarchaea archaeon
Hadesarchaea archaeon B3_Hades
Hadesarchaea archaeon CG08_land_8_20_14_0_20_51_8
Hadesarchaea archaeon DG−33
Hadesarchaea archaeon DG−33−1
Hadesarchaea archaeon YNP_45
Hadesarchaea archaeon YNP_N21
Haladaptatus
Haladaptatus cibarius
Haladaptatus litoreus
Haladaptatus paucihalophilus
Haladaptatus paucihalophilus DX253
Haladaptatus sp. R4
Haladaptatus sp. W1
Halalkaliarchaeum desulfuricum
Halalkalicoccus jeotgali
Halalkalicoccus jeotgali B3
Halalkalicoccus paucihalophilus
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GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
Hist_deacetyl
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DOT1
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SWIRM
CupinJmjC
ADD_ATRX
ADD_DNMT3
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BRD
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
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TTD
TUDOR
zf−CW
YEATS
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CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
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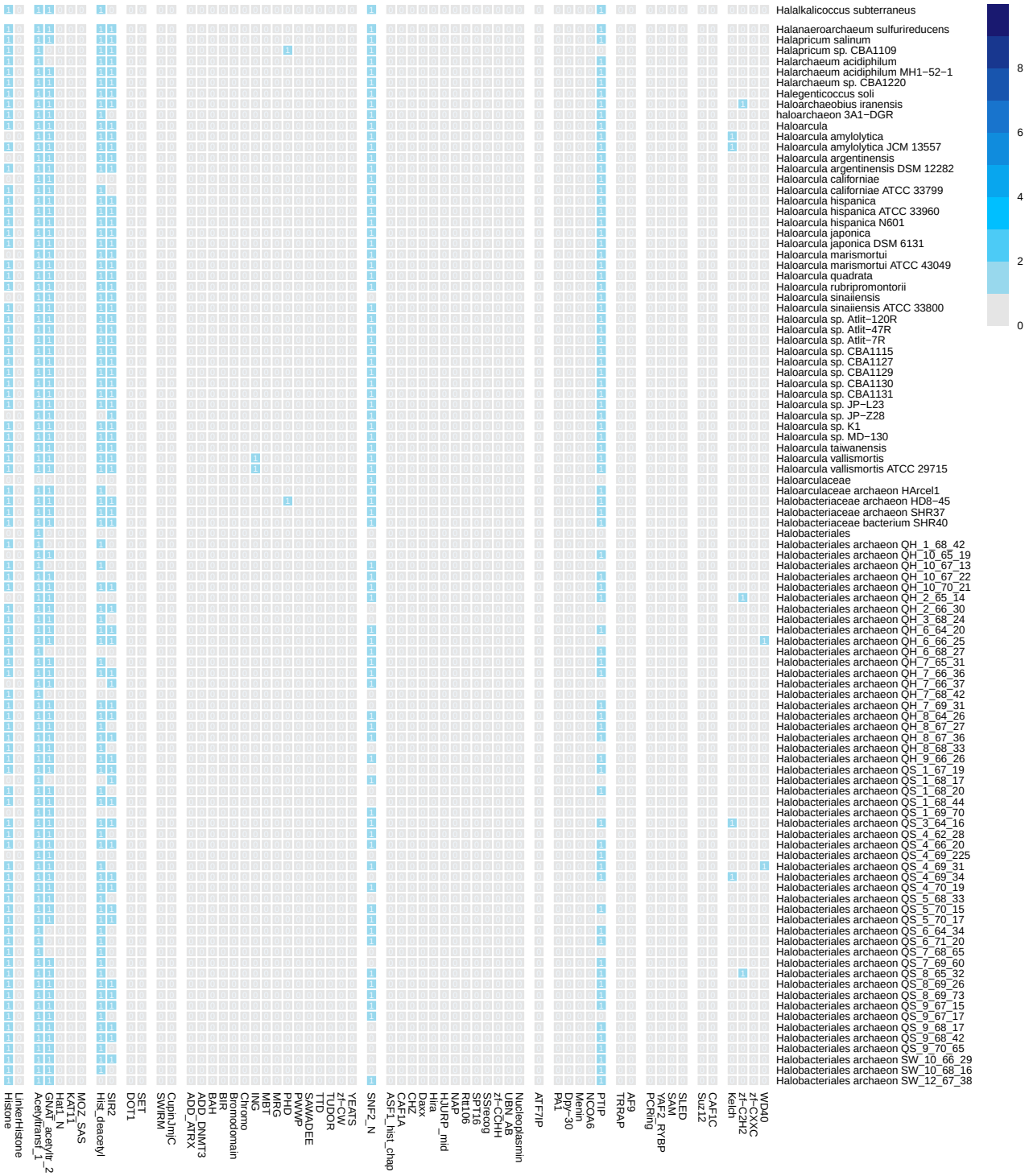
CAF1C
Kelch
zf−C2H2
zf−CXXC
WDR40


Gene presence per taxon in Archaea (superkingdom) (6/20)
Halalkalicoccus subterraneus
Halanaeroarchaeum sulfurireducens
Halapricum salinum
Halapricum sp. CBA1109
Halarchaeum acidiphilum
Halarchaeum acidiphilum MH1−52−1
Halarchaeum sp. CBA1220
Halegenticoccus soli
Haloarchaeobius iranensis
haloarchaeon 3A1−DGR
Haloarcula
Haloarcula amylolytica
Haloarcula amylolytica JCM 13557
Haloarcula argentinensis
Haloarcula argentinensis DSM 12282
Haloarcula californiae
Haloarcula californiae ATCC 33799
Haloarcula hispanica
Haloarcula hispanica ATCC 33960
Haloarcula hispanica N601
Haloarcula japonica
Haloarcula japonica DSM 6131
Haloarcula marismortui
Haloarcula marismortui ATCC 43049
Haloarcula quadrata
Haloarcula rubripromontorii
Haloarcula sinaiiensis
Haloarcula sinaiiensis ATCC 33800
Haloarcula sp. Atlit−120R
Haloarcula sp. Atlit−47R
Haloarcula sp. Atlit−7R
Haloarcula sp. CBA1115
Haloarcula sp. CBA1127
Haloarcula sp. CBA1129
Haloarcula sp. CBA1130
Haloarcula sp. CBA1131
Haloarcula sp. JP−L23
Haloarcula sp. JP−Z28
Haloarcula sp. K1
Haloarcula sp. MD−130
Haloarcula taiwanensis
Haloarcula vallismortis
Haloarcula vallismortis ATCC 29715
Haloarculaceae
Haloarculaceae archaeon HArcel1
Halobacteriaceae archaeon HD8−45
Halobacteriaceae archaeon SHR37
Halobacteriaceae bacterium SHR40
Halobacteriales
Halobacteriales archaeon QH_1_68_42
Halobacteriales archaeon QH_10_65_19
Halobacteriales archaeon QH_10_67_13
Halobacteriales archaeon QH_10_67_22
Halobacteriales archaeon QH_10_70_21
Halobacteriales archaeon QH_2_65_14
Halobacteriales archaeon QH_2_66_30
Halobacteriales archaeon QH_3_68_24
Halobacteriales archaeon QH_6_64_20
Halobacteriales archaeon QH_6_66_25
Halobacteriales archaeon QH_6_68_27
Halobacteriales archaeon QH_7_65_31
Halobacteriales archaeon QH_7_66_36
Halobacteriales archaeon QH_7_66_37
Halobacteriales archaeon QH_7_68_42
Halobacteriales archaeon QH_7_69_31
Halobacteriales archaeon QH_8_64_26
Halobacteriales archaeon QH_8_67_27
Halobacteriales archaeon QH_8_67_36
Halobacteriales archaeon QH_8_68_33
Halobacteriales archaeon QH_9_66_26
Halobacteriales archaeon QS_1_67_19
Halobacteriales archaeon QS_1_68_17
Halobacteriales archaeon QS_1_68_20
Halobacteriales archaeon QS_1_68_44
Halobacteriales archaeon QS_1_69_70
Halobacteriales archaeon QS_3_64_16
Halobacteriales archaeon QS_4_62_28
Halobacteriales archaeon QS_4_66_20
Halobacteriales archaeon QS_4_69_225
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Halobacteriales archaeon QS_4_69_34
Halobacteriales archaeon QS_4_70_19
Halobacteriales archaeon QS_5_68_33
Halobacteriales archaeon QS_5_70_15
Halobacteriales archaeon QS_5_70_17
Halobacteriales archaeon QS_6_64_34
Halobacteriales archaeon QS_6_71_20
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Halobacteriales archaeon QS_7_69_60
Halobacteriales archaeon QS_8_65_32
Halobacteriales archaeon QS_8_69_26
Halobacteriales archaeon QS_8_69_73
Halobacteriales archaeon QS_9_67_15
Halobacteriales archaeon QS_9_67_17
Halobacteriales archaeon QS_9_68_17
Halobacteriales archaeon QS_9_68_42
Halobacteriales archaeon QS_9_70_65
Halobacteriales archaeon SW_10_66_29
Halobacteriales archaeon SW_10_68_16
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SWIRM
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Chromo
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CHZ
Daxx
Hira
HJURP_mid
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Nucleoplasmin
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PA1
Dpy−30
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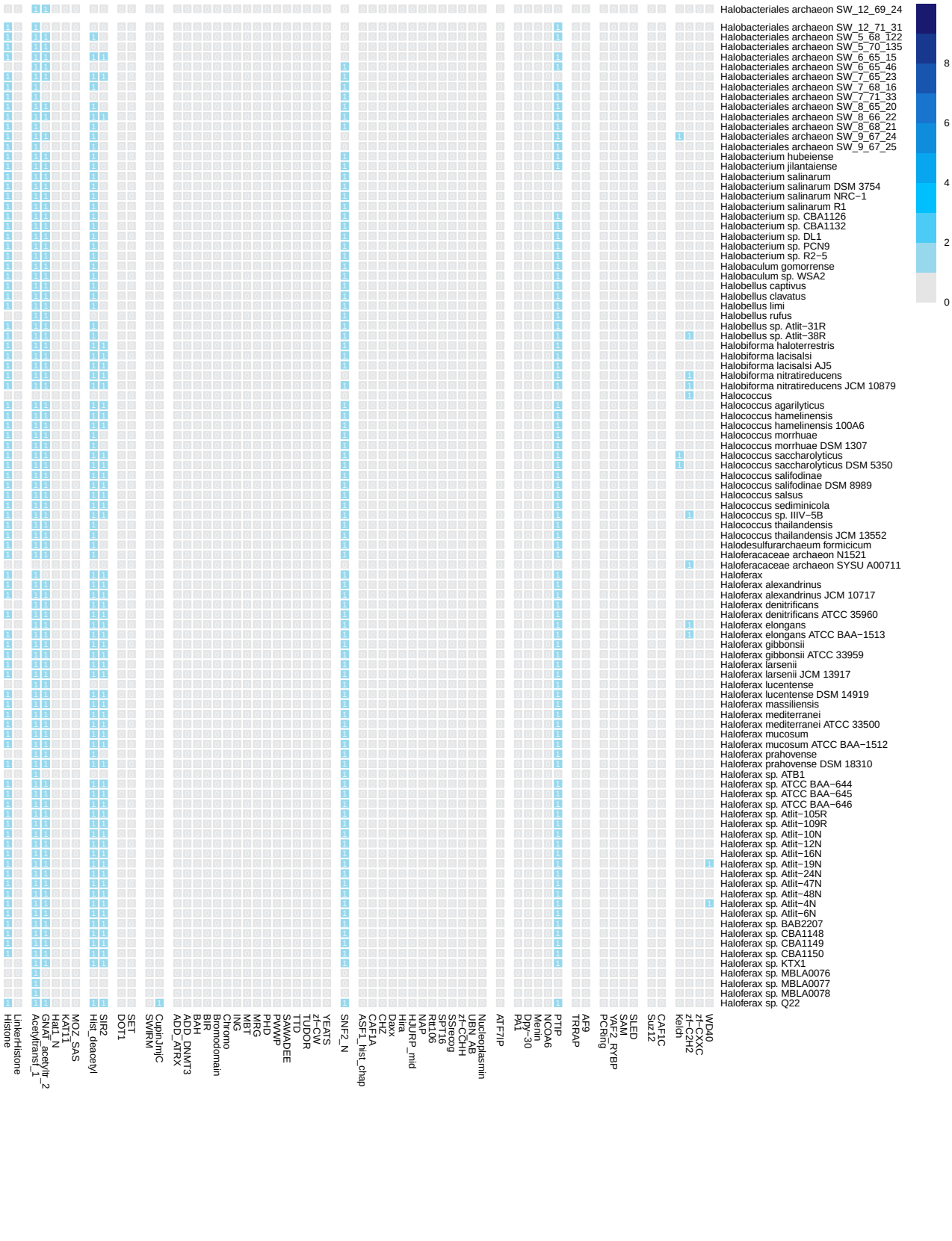
Gene presence per taxon in Archaea (superkingdom) (7/20)
Halobacteriales archaeon SW_12_69_24
Halobacteriales archaeon SW_12_71_31
Halobacteriales archaeon SW_5_68_122
Halobacteriales archaeon SW_5_70_135
Halobacteriales archaeon SW_6_65_15
Halobacteriales archaeon SW_6_65_46
Halobacteriales archaeon SW_7_65_23
Halobacteriales archaeon SW_7_68_16
Halobacteriales archaeon SW_7_71_33
Halobacteriales archaeon SW_8_65_20
Halobacteriales archaeon SW_8_66_22
Halobacteriales archaeon SW_8_68_21
Halobacteriales archaeon SW_9_67_24
Halobacteriales archaeon SW_9_67_25
Halobacterium hubeiense
Halobacterium jilantaiense
Halobacterium salinarum
Halobacterium salinarum DSM 3754
Halobacterium salinarum NRC−1
Halobacterium salinarum R1
Halobacterium sp. CBA1126
Halobacterium sp. CBA1132
Halobacterium sp. DL1
Halobacterium sp. PCN9
Halobacterium sp. R2−5
Halobaculum gomorrense
Halobaculum sp. WSA2
Halobellus captivus
Halobellus clavatus
Halobellus limi
Halobellus rufus
Halobellus sp. Atlit−31R
Halobellus sp. Atlit−38R
Halobiforma haloterrestris
Halobiforma lacisalsi
Halobiforma lacisalsi AJ5
Halobiforma nitratireducens
Halobiforma nitratireducens JCM 10879
Halococcus
Halococcus agarilyticus
Halococcus hamelinensis
Halococcus hamelinensis 100A6
Halococcus morrhuae
Halococcus morrhuae DSM 1307
Halococcus saccharolyticus
Halococcus saccharolyticus DSM 5350
Halococcus salifodinae
Halococcus salifodinae DSM 8989
Halococcus salsus
Halococcus sediminicola
Halococcus sp. IIIV−5B
Halococcus thailandensis
Halococcus thailandensis JCM 13552
Halodesulfurarchaeum formicicum
Haloferacaceae archaeon N1521
Haloferacaceae archaeon SYSU A00711
Haloferax
Haloferax alexandrinus
Haloferax alexandrinus JCM 10717
Haloferax denitrificans
Haloferax denitrificans ATCC 35960
Haloferax elongans
Haloferax elongans ATCC BAA−1513
Haloferax gibbonsii
Haloferax gibbonsii ATCC 33959
Haloferax larsenii
Haloferax larsenii JCM 13917
Haloferax lucentense
Haloferax lucentense DSM 14919
Haloferax massiliensis
Haloferax mediterranei
Haloferax mediterranei ATCC 33500
Haloferax mucosum
Haloferax mucosum ATCC BAA−1512
Haloferax prahovense
Haloferax prahovense DSM 18310
Haloferax sp. ATB1
Haloferax sp. ATCC BAA−644
Haloferax sp. ATCC BAA−645
Haloferax sp. ATCC BAA−646
Haloferax sp. Atlit−105R
Haloferax sp. Atlit−109R
Haloferax sp. Atlit−10N
Haloferax sp. Atlit−12N
Haloferax sp. Atlit−16N
Haloferax sp. Atlit−19N
Haloferax sp. Atlit−24N
Haloferax sp. Atlit−47N
Haloferax sp. Atlit−48N
Haloferax sp. Atlit−4N
Haloferax sp. Atlit−6N
Haloferax sp. BAB2207
Haloferax sp. CBA1148
Haloferax sp. CBA1149
Haloferax sp. CBA1150
Haloferax sp. KTX1
Haloferax sp. MBLA0076
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Haloferax sp. MBLA0078
Haloferax sp. Q22
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MOZ_SAS
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CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
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Bromodomain
Chromo
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MRG
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PWWP
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Nucleoplasmin
AT7IP
Dpy−30
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NCOA6
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PTIP
AF9
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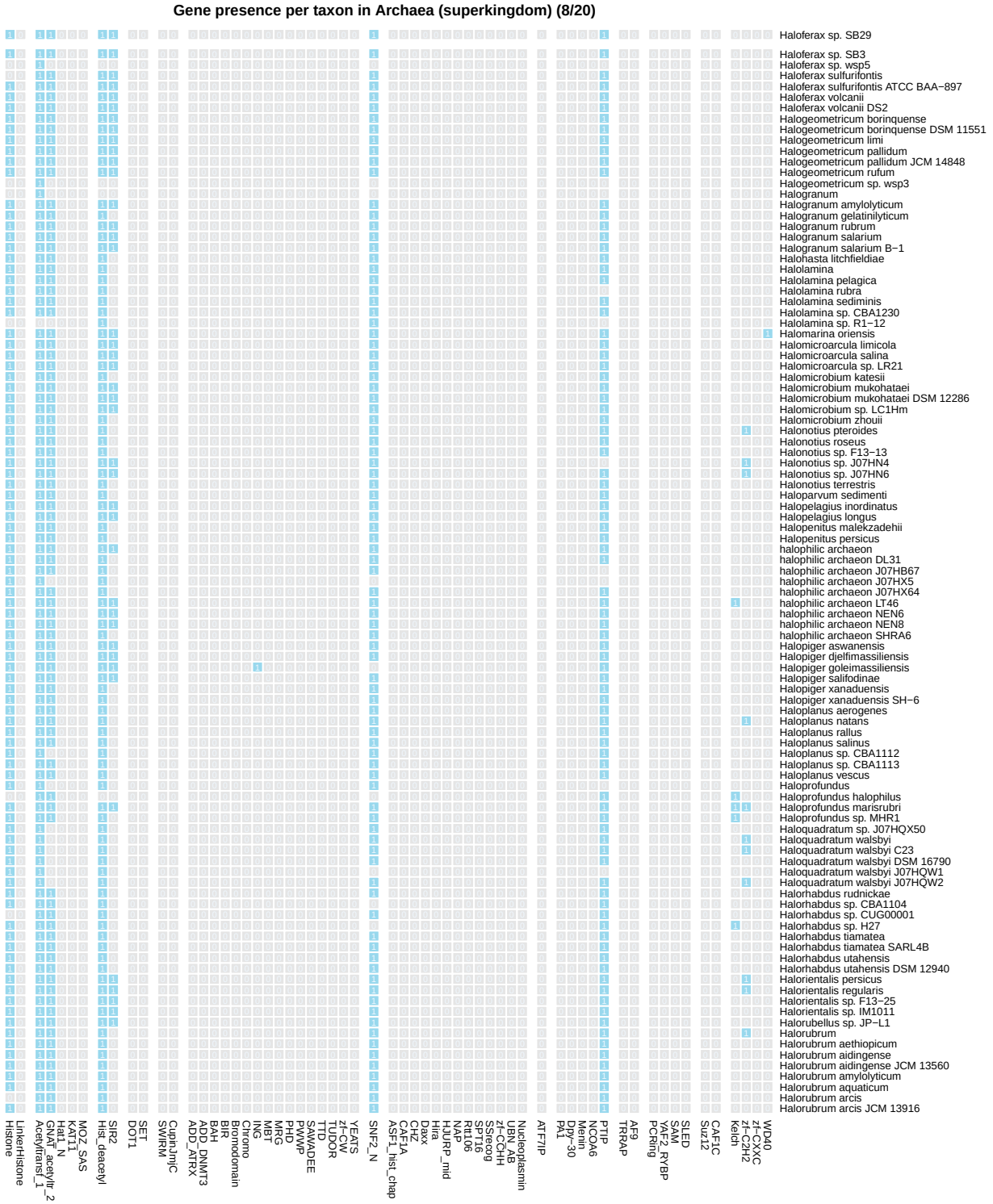
Gene presence per taxon in Archaea (superkingdom) (8/20)
Haloferax sp. SB29
Haloferax sp. SB3
Haloferax sp. wsp5
Haloferax sulfurifontis
Haloferax sulfurifontis ATCC BAA−897
Haloferax volcanii
Haloferax volcanii DS2
Halogeometricum borinquense
Halogeometricum borinquense DSM 11551
Halogeometricum limi
Halogeometricum pallidum
Halogeometricum pallidum JCM 14848
Halogeometricum rufum
Halogeometricum sp. wsp3
Halogranum
Halogranum amylolyticum
Halogranum gelatinilyticum
Halogranum rubrum
Halogranum salarium
Halogranum salarium B−1
Halohasta litchfieldiae
Halolamina
Halolamina pelagica
Halolamina rubra
Halolamina sediminis
Halolamina sp. CBA1230
Halolamina sp. R1−12
Halomarina oriensis
Halomicroarcula limicola
Halomicroarcula salina
Halomicroarcula sp. LR21
Halomicrobium katesii
Halomicrobium mukohataei
Halomicrobium mukohataei DSM 12286
Halomicrobium sp. LC1Hm
Halomicrobium zhouii
Halonotius pteroides
Halonotius roseus
Halonotius sp. F13−13
Halonotius sp. J07HN4
Halonotius sp. J07HN6
Halonotius terrestris
Haloparvum sedimenti
Halopelagius inordinatus
Halopelagius longus
Halopenitus malekzadehii
Halopenitus persicus
halophilic archaeon
halophilic archaeon DL31
halophilic archaeon J07HB67
halophilic archaeon J07HX5
halophilic archaeon J07HX64
halophilic archaeon LT46
halophilic archaeon NEN6
halophilic archaeon NEN8
halophilic archaeon SHRA6
Halopiger aswanensis
Halopiger djelfimassiliensis
Halopiger goleimassiliensis
Halopiger salifodinae
Halopiger xanaduensis
Halopiger xanaduensis SH−6
Haloplanus aerogenes
Haloplanus natans
Haloplanus rallus
Haloplanus salinus
Haloplanus sp. CBA1112
Haloplanus sp. CBA1113
Haloplanus vescus
Haloprofundus
Haloprofundus halophilus
Haloprofundus marisrubri
Haloprofundus sp. MHR1
Haloquadratum sp. J07HQX50
Haloquadratum walsbyi
Haloquadratum walsbyi C23
Haloquadratum walsbyi DSM 16790
Haloquadratum walsbyi J07HQW1
Haloquadratum walsbyi J07HQW2
Halorhabdus rudnickae
Halorhabdus sp. CBA1104
Halorhabdus sp. CUG00001
Halorhabdus sp. H27
Halorhabdus tiamatea
Halorhabdus tiamatea SARL4B
Halorhabdus utahensis
Halorhabdus utahensis DSM 12940
Halorientalis persicus
Halorientalis regularis
Halorientalis sp. F13−25
Halorientalis sp. IM1011
Halorubellus sp. JP−L1
Halorubrum
Halorubrum aethiopicum
Halorubrum aidingense
Halorubrum aidingense JCM 13560
Halorubrum amylolyticum
Halorubrum aquaticum
Halorubrum arcis
Halorubrum arcis JCM 13916
LinkerHistone
Histone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
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CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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CAF1A
CHZ
Daxx
Hira
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zf−CCHH
Nucleoplasmin
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Menin
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PTIP
AF9
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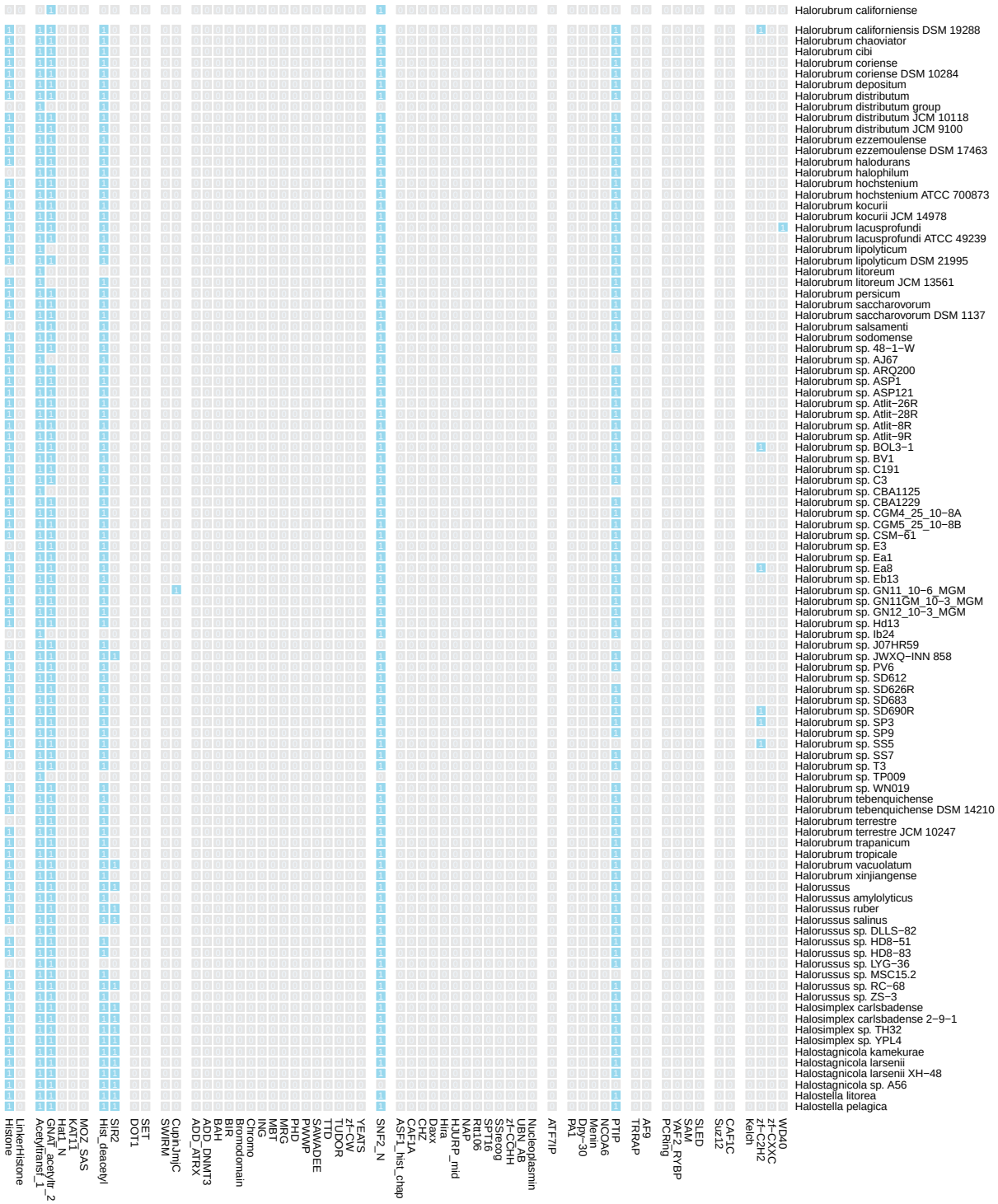
Gene presence per taxon in Archaea (superkingdom) (9/20)
Halorubrum californiense
Halorubrum californiensis DSM 19288
Halorubrum chaoviator
Halorubrum cibi
Halorubrum coriense
Halorubrum coriense DSM 10284
Halorubrum depositum
Halorubrum distributum
Halorubrum distributum group
Halorubrum distributum JCM 10118
Halorubrum distributum JCM 9100
Halorubrum ezzemoulense
Halorubrum ezzemoulense DSM 17463
Halorubrum halodurans
Halorubrum halophilum
Halorubrum hochstenium
Halorubrum hochstenium ATCC 700873
Halorubrum kocurii
Halorubrum kocurii JCM 14978
Halorubrum lacusprofundi
Halorubrum lacusprofundi ATCC 49239
Halorubrum lipolyticum
Halorubrum lipolyticum DSM 21995
Halorubrum litoreum
Halorubrum litoreum JCM 13561
Halorubrum persicum
Halorubrum saccharovorum
Halorubrum saccharovorum DSM 1137
Halorubrum salsamenti
Halorubrum sodomense
Halorubrum sp. 48−1−W
Halorubrum sp. AJ67
Halorubrum sp. ARQ200
Halorubrum sp. ASP1
Halorubrum sp. ASP121
Halorubrum sp. Atlit−26R
Halorubrum sp. Atlit−28R
Halorubrum sp. Atlit−8R
Halorubrum sp. Atlit−9R
Halorubrum sp. BOL3−1
Halorubrum sp. BV1
Halorubrum sp. C191
Halorubrum sp. C3
Halorubrum sp. CBA1125
Halorubrum sp. CBA1229
Halorubrum sp. CGM4_25_10−8A
Halorubrum sp. CGM5_25_10−8B
Halorubrum sp. CSM−61
Halorubrum sp. E3
Halorubrum sp. Ea1
Halorubrum sp. Ea8
Halorubrum sp. Eb13
Halorubrum sp. GN11_10−6_MGM
Halorubrum sp. GN11GM_10−3_MGM
Halorubrum sp. GN12_10−3_MGM
Halorubrum sp. Hd13
Halorubrum sp. Ib24
Halorubrum sp. J07HR59
Halorubrum sp. JWXQ−INN 858
Halorubrum sp. PV6
Halorubrum sp. SD612
Halorubrum sp. SD626R
Halorubrum sp. SD683
Halorubrum sp. SD690R
Halorubrum sp. SP3
Halorubrum sp. SP9
Halorubrum sp. SS5
Halorubrum sp. SS7
Halorubrum sp. T3
Halorubrum sp. TP009
Halorubrum sp. WN019
Halorubrum tebenquichense
Halorubrum tebenquichense DSM 14210
Halorubrum terrestre
Halorubrum terrestre JCM 10247
Halorubrum traparicum
Halorubrum tropicale
Halorubrum vacuolatum
Halorubrum xinjiangense
Halorussus
Halorussus amylolyticus
Halorussus ruber
Halorussus salinus
Halorussus sp. DLLS−82
Halorussus sp. HD8−51
Halorussus sp. HD8−83
Halorussus sp. LYG−36
Halorussus sp. MSC15.2
Halorussus sp. RC−68
Halorussus sp. ZS−3
Halosimplex carlsbadense
Halosimplex carlsbadense 2−9−1
Halosimplex sp. TH32
Halosimplex sp. YPL4
Halostagnicola kamekurae
Halostagnicola larsenii
Halostagnicola larsenii XH−48
Halostagnicola sp. A56
Halostella litorea
Halostella pelagica
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Histone
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
IMET
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf−CW
YEATS
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ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
AF9
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SLED
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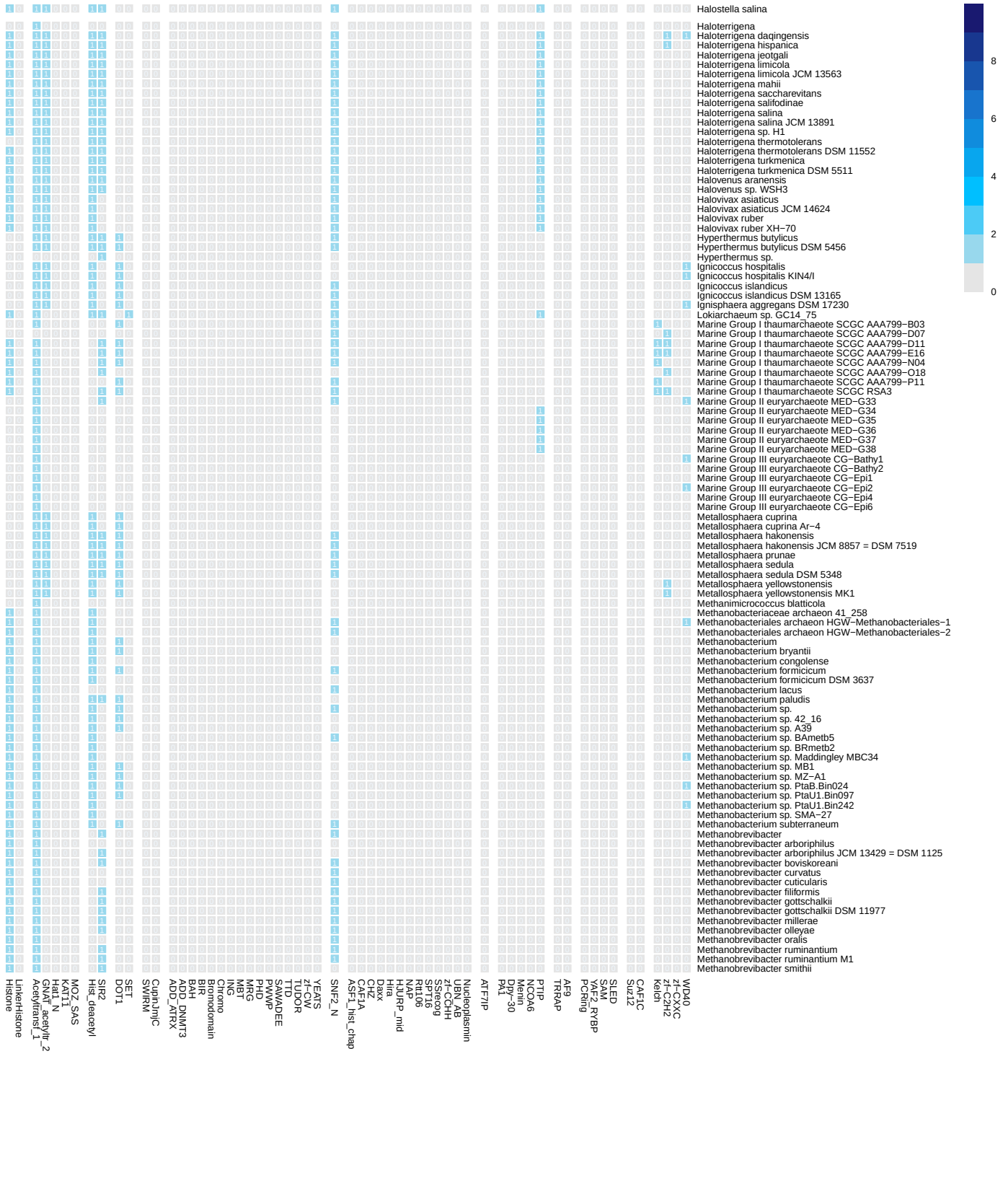
Suz12
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (10/20)
Halostella salina
Haloterrigena
Haloterrigena daqingensis
Haloterrigena hispanica
Haloterrigena jeotgali
Haloterrigena limicola
Haloterrigena limicola JCM 13563
Haloterrigena mahii
Haloterrigena saccharevitans
Haloterrigena salifodinae
Haloterrigena salina
Haloterrigena salina JCM 13891
Haloterrigena sp. H1
Haloterrigena thermotolerans
Haloterrigena thermotolerans DSM 11552
Haloterrigena turkmenica
Haloterrigena turkmenica DSM 5511
Halovenus aranensis
Halovenus sp. WSH3
Halovivax asiaticus
Halovivax asiaticus JCM 14624
Halovivax ruber
Halovivax ruber XH−70
Hyperthermus butylicus
Hyperthermus butylicus DSM 5456
Hyperthermus sp.
Ignicoccus hospitalis
Ignicoccus hospitalis KIN4/I
Ignicoccus islandicus
Ignicoccus islandicus DSM 13165
Ignisphaera aggregans DSM 17230
Lokiarchaeum sp. GC14_75
Marine Group I thaumarchaeote SCGC AAA799−B03
Marine Group I thaumarchaeote SCGC AAA799−D07
Marine Group I thaumarchaeote SCGC AAA799−D11
Marine Group I thaumarchaeote SCGC AAA799−E16
Marine Group I thaumarchaeote SCGC AAA799−N04
Marine Group I thaumarchaeote SCGC AAA799−O18
Marine Group I thaumarchaeote SCGC AAA799−P11
Marine Group I thaumarchaeote SCGC RSA3
Marine Group II euryarchaeote MED−G33
Marine Group II euryarchaeote MED−G34
Marine Group II euryarchaeote MED−G35
Marine Group II euryarchaeote MED−G36
Marine Group II euryarchaeote MED−G37
Marine Group II euryarchaeote MED−G38
Marine Group III euryarchaeote CG−Bathy1
Marine Group III euryarchaeote CG−Bathy2
Marine Group III euryarchaeote CG−Epi1
Marine Group III euryarchaeote CG−Epi2
Marine Group III euryarchaeote CG−Epi4
Marine Group III euryarchaeote CG−Epi6
Metallosphaera cuprina
Metallosphaera cuprina Ar−4
Metallosphaera hakonensis
Metallosphaera hakonensis JCM 8857 = DSM 7519
Metallosphaera prunae
Metallosphaera sedula
Metallosphaera sedula DSM 5348
Metallosphaera yellowstonensis
Metallosphaera yellowstonensis MK1
Methanimicrococcus blatticola
Methanobacteriaceae archaeon 41_258
Methanobacteriales archaeon HGW−Methanobacteriales−1
Methanobacteriales archaeon HGW−Methanobacteriales−2
Methanobacterium
Methanobacterium bryantii
Methanobacterium congolense
Methanobacterium formicicum
Methanobacterium formicicum DSM 3637
Methanobacterium lacus
Methanobacterium paludis
Methanobacterium sp.
Methanobacterium sp. 42_16
Methanobacterium sp. A39
Methanobacterium sp. BAmetb5
Methanobacterium sp. BRmetb2
Methanobacterium sp. Maddingley MBC34
Methanobacterium sp. MB1
Methanobacterium sp. MZ−A1
Methanobacterium sp. PtaB.Bin024
Methanobacterium sp. PtaU1.Bin097
Methanobacterium sp. PtaU1.Bin242
Methanobacterium sp. SMA−27
Methanobacterium subterraneum
Methanobrevibacter
Methanobrevibacter arboriphilus
Methanobrevibacter arboriphilus JCM 13429 = DSM 1125
Methanobrevibacter boviskoreani
Methanobrevibacter curvatus
Methanobrevibacter cuticularis
Methanobrevibacter filiformis
Methanobrevibacter gottschalkii
Methanobrevibacter gottschalkii DSM 11977
Methanobrevibacter millerae
Methanobrevibacter olleyae
Methanobrevibacter oralis
Methanobrevibacter ruminantium
Methanobrevibacter ruminantium M1
Methanobrevibacter smithii
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LinkerHistone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
Hist_deacetyl
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DOT1
SET
SWIRM
CupinJmjC
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf−CW
YEATS
SNF2_N
ASF1_hist_chap
CAF1A
CBFA
Dax
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
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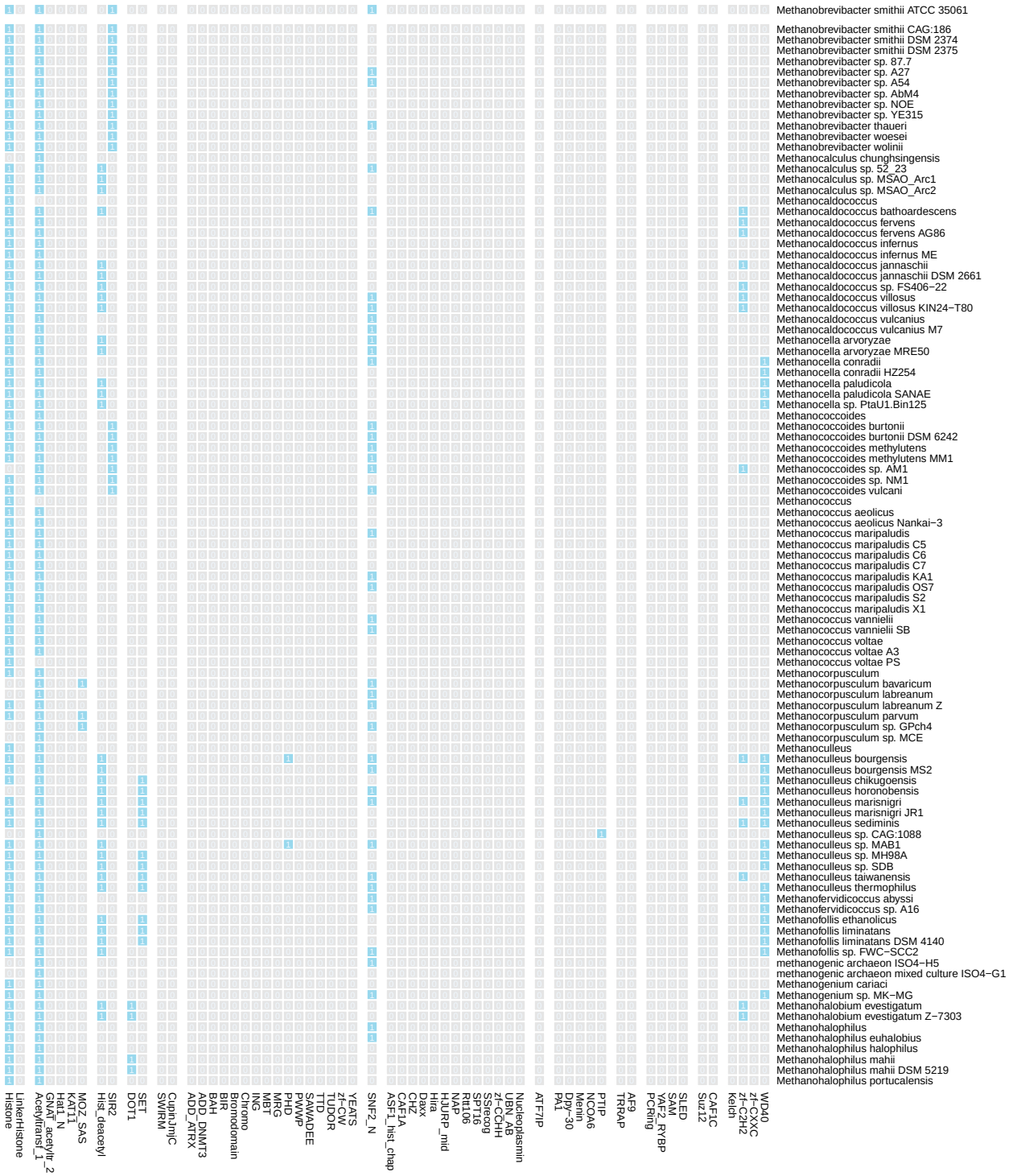
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (11/20)
Methanobrevibacter smithii ATCC 35061
Methanobrevibacter smithii CAG:186
Methanobrevibacter smithii DSM 2374
Methanobrevibacter smithii DSM 2375
Methanobrevibacter sp. 87.7
Methanobrevibacter sp. A27
Methanobrevibacter sp. A54
Methanobrevibacter sp. AbM4
Methanobrevibacter sp. NOE
Methanobrevibacter sp. YE315
Methanobrevibacter thaueri
Methanobrevibacter woesei
Methanobrevibacter wolinii
Methanocalculus chunghsingensis
Methanocalculus sp. 52_23
Methanocalculus sp. MSAO_Arc1
Methanocalculus sp. MSAO_Arc2
Methanocaldococcus
Methanocaldococcus bathoardescens
Methanocaldococcus fervens
Methanocaldococcus fervens AG86
Methanocaldococcus infernus
Methanocaldococcus infernus ME
Methanocaldococcus jannaschii
Methanocaldococcus jannaschii DSM 2661
Methanocaldococcus sp. FS406−22
Methanocaldococcus villosus
Methanocaldococcus villosus KIN24−T80
Methanocaldococcus vulcanius
Methanocaldococcus vulcanius M7
Methanocella arvoryzae
Methanocella arvoryzae MRE50
Methanocella conradii
Methanocella conradii HZ254
Methanocella paludicola
Methanocella paludicola SANAE
Methanocella sp. PtaU1.Bin125
Methanococcoides
Methanococcoides burtonii
Methanococcoides burtonii DSM 6242
Methanococcoides methylutens
Methanococcoides methylutens MM1
Methanococcoides sp. AM1
Methanococcoides sp. NM1
Methanococcoides vulcani
Methanococcus
Methanococcus aeolicus
Methanococcus aeolicus Nankai−3
Methanococcus maripaludis
Methanococcus maripaludis C5
Methanococcus maripaludis C6
Methanococcus maripaludis C7
Methanococcus maripaludis KA1
Methanococcus maripaludis OS7
Methanococcus maripaludis S2
Methanococcus maripaludis X1
Methanococcus vannielii
Methanococcus vannielii SB
Methanococcus voltae
Methanococcus voltae A3
Methanococcus voltae PS
Methanocorpusculum
Methanocorpusculum bavaricum
Methanocorpusculum labreanum
Methanocorpusculum labreanum Z
Methanocorpusculum parvum
Methanocorpusculum sp. GPch4
Methanocorpusculum sp. MCE
Methanoculleus
Methanoculleus bourgensis
Methanoculleus bourgensis MS2
Methanoculleus chikugoensis
Methanoculleus horonobensis
Methanoculleus marisnigri
Methanoculleus marisnigri JR1
Methanoculleus sediminis
Methanoculleus sp. CAG:1088
Methanoculleus sp. MAB1
Methanoculleus sp. MH98A
Methanoculleus sp. SDB
Methanoculleus taiwanensis
Methanoculleus thermophilus
Methanofervidicoccus abyssi
Methanofervidicoccus sp. A16
Methanofollis ethanolicus
Methanofollis liminatans
Methanofollis liminatans DSM 4140
Methanofollis sp. FWC−SCC2
methanogenic archaeon ISO4−H5
methanogenic archaeon mixed culture ISO4−G1
Methanogenium cariaci
Methanogenium sp. MK−MG
Methanohalobium evestigatum
Methanohalobium evestigatum Z−7303
Methanohalophilus
Methanohalophilus euhalobius
Methanohalophilus halophilus
Methanohalophilus mahii
Methanohalophilus mahii DSM 5219
Methanohalophilus portucalensis
0
2
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8
LinkerHistone
Histone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
SPT6
Nucleoplasmin
UBN_AB
zf−SCCHH
ATF7IP
DPY_30
Dpy−30
PA1
PTIP
NCOA6
Menin
AF9
TRRAP
PCRing
YAF2_RYBP
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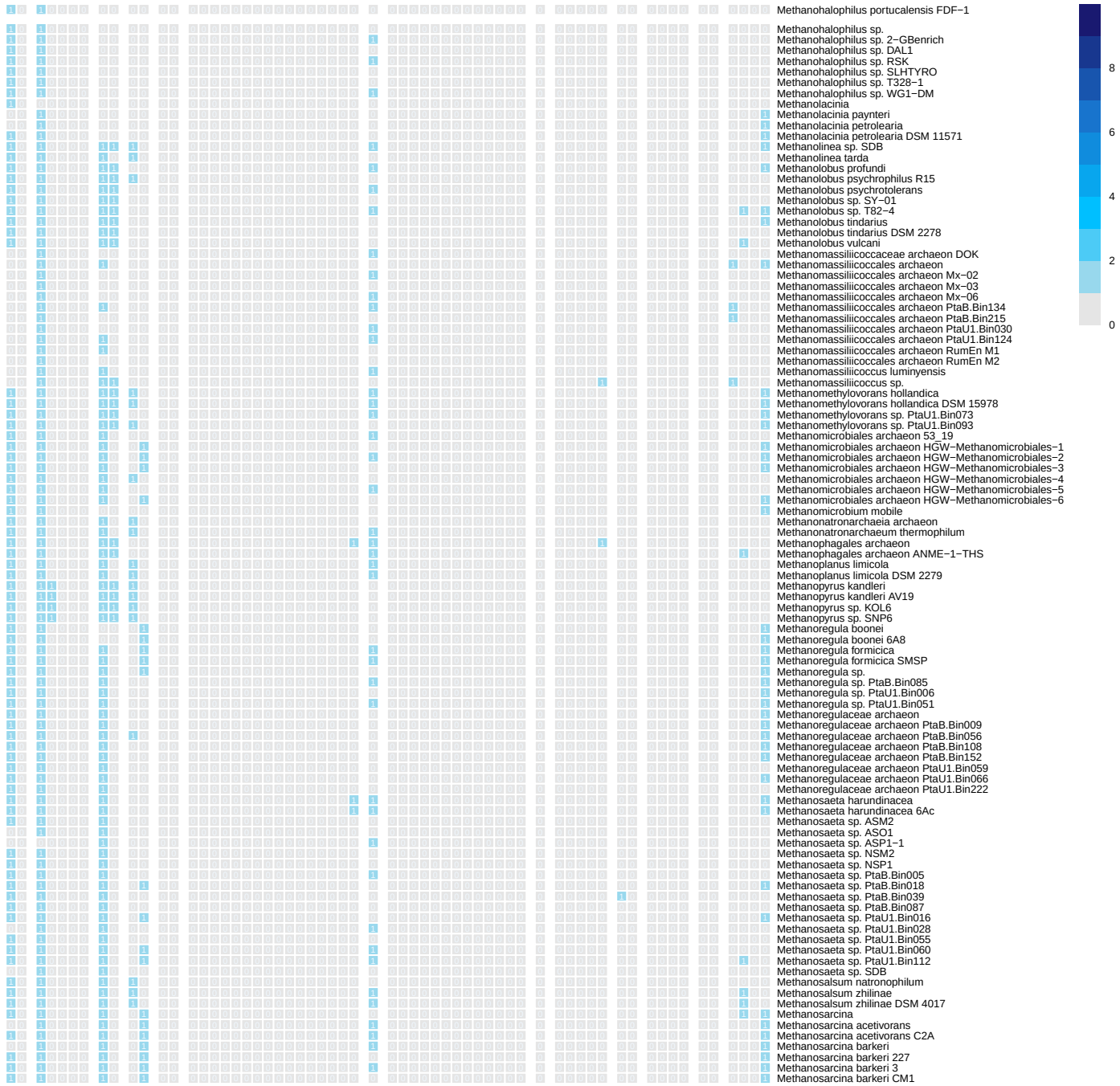
SAM
CAF1C
Suz12
Kelch
WD40
zf−CXXC
zf−C2H2


Gene presence per taxon in Archaea (superkingdom) (12/20)
Methanohalophilus portucalensis FDF−1
Methanohalophilus sp.
Methanohalophilus sp. 2−GBenrich
Methanohalophilus sp. DAL1
Methanohalophilus sp. RSK
Methanohalophilus sp. SLHTYRO
Methanohalophilus sp. T328−1
Methanohalophilus sp. WG1−DM
Methanolacinia
Methanolacinia paynteri
Methanolacinia petrolearia
Methanolacinia petrolearia DSM 11571
Methanolinea sp. SDB
Methanolinea tarda
Methanolobus profundi
Methanolobus psychrophilus R15
Methanolobus psychrotolerans
Methanolobus sp. SY−01
Methanolobus sp. T82−4
Methanolobus tindarius
Methanolobus tindarius DSM 2278
Methanolobus vulcani
Methanomassiliicoccaceae archaeon DOK
Methanomassiliicoccales archaeon
Methanomassiliicoccales archaeon Mx−02
Methanomassiliicoccales archaeon Mx−03
Methanomassiliicoccales archaeon Mx−06
Methanomassiliicoccales archaeon PtaB.Bin134
Methanomassiliicoccales archaeon PtaB.Bin215
Methanomassiliicoccales archaeon PtaU1.Bin030
Methanomassiliicoccales archaeon PtaU1.Bin124
Methanomassiliicoccales archaeon RumEn M1
Methanomassiliicoccales archaeon RumEn M2
Methanomassiliicoccus luminyensis
Methanomassiliicoccus sp.
Methanomethylovorans hollandica
Methanomethylovorans hollandica DSM 15978
Methanomethylovorans sp. PtaU1.Bin073
Methanomethylovorans sp. PtaU1.Bin093
Methanomicrobiales archaeon 53_19
Methanomicrobiales archaeon HGW−Methanomicrobiales−1
Methanomicrobiales archaeon HGW−Methanomicrobiales−2
Methanomicrobiales archaeon HGW−Methanomicrobiales−3
Methanomicrobiales archaeon HGW−Methanomicrobiales−4
Methanomicrobiales archaeon HGW−Methanomicrobiales−5
Methanomicrobiales archaeon HGW−Methanomicrobiales−6
Methanomicrobium mobile
Methanonatronarchaeia archaeon
Methanonatronarchaeum thermophilum
Methanophagales archaeon
Methanophagales archaeon ANME−1−THS
Methanoplanus limicola
Methanoplanus limicola DSM 2279
Methanopyrus kandleri
Methanopyrus kandleri AV19
Methanopyrus sp. KOL6
Methanopyrus sp. SNP6
Methanoregula boonei
Methanoregula boonei 6A8
Methanoregula formicica
Methanoregula formicica SMSP
Methanoregula sp.
Methanoregula sp. PtaB.Bin085
Methanoregula sp. PtaU1.Bin006
Methanoregula sp. PtaU1.Bin051
Methanoregulaceae archaeon
Methanoregulaceae archaeon PtaB.Bin009
Methanoregulaceae archaeon PtaB.Bin056
Methanoregulaceae archaeon PtaB.Bin108
Methanoregulaceae archaeon PtaB.Bin152
Methanoregulaceae archaeon PtaU1.Bin059
Methanoregulaceae archaeon PtaU1.Bin066
Methanoregulaceae archaeon PtaU1.Bin222
Methanosaeta harundinacea
Methanosaeta harundinacea 6Ac
Methanosaeta sp. ASM2
Methanosaeta sp. ASO1
Methanosaeta sp. ASP1−1
Methanosaeta sp. NSM2
Methanosaeta sp. NSP1
Methanosaeta sp. PtaB.Bin005
Methanosaeta sp. PtaB.Bin018
Methanosaeta sp. PtaB.Bin039
Methanosaeta sp. PtaB.Bin087
Methanosaeta sp. PtaU1.Bin016
Methanosaeta sp. PtaU1.Bin028
Methanosaeta sp. PtaU1.Bin055
Methanosaeta sp. PtaU1.Bin060
Methanosaeta sp. PtaU1.Bin112
Methanosaeta sp. SDB
Methanosalsum natronophilum
Methanosalsum zhilinae
Methanosalsum zhilinae DSM 4017
Methanosarcina
Methanosarcina acetivorans
Methanosarcina acetivorans C2A
Methanosarcina barkeri
Methanosarcina barkeri 227
Methanosarcina barkeri 3
Methanosarcina barkeri CM1
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Histone
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Hat1_N
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DOT1
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BRD
Bromodomain
Chromo
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HJURP_mid
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Nucleoplasmin
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
AF9
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PCRing
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Kelch
zf−C2H2
zf−CXXC
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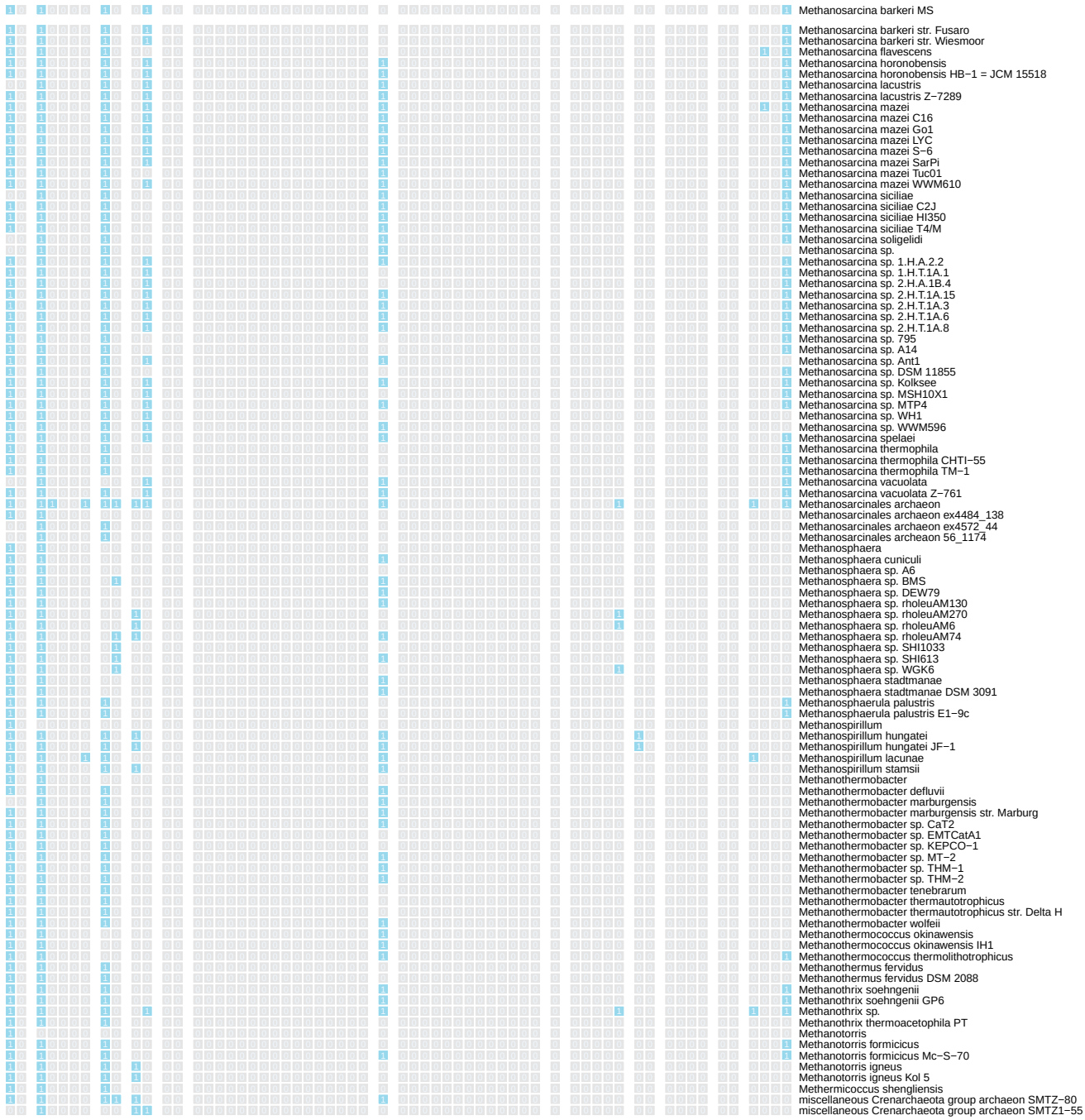
Gene presence per taxon in Archaea (superkingdom) (13/20)
Methanosarcina barkeri MS
Methanosarcina barkeri str. Fusaro
Methanosarcina barkeri str. Wiesmoor
Methanosarcina flavescens
Methanosarcina horonobensis
Methanosarcina horonobensis HB−1 = JCM 15518
Methanosarcina lacustris
Methanosarcina lacustris Z−7289
Methanosarcina mazei
Methanosarcina mazei C16
Methanosarcina mazei Go1
Methanosarcina mazei LYC
Methanosarcina mazei S−6
Methanosarcina mazei SarPi
Methanosarcina mazei Tuc01
Methanosarcina mazei WWM610
Methanosarcina siciliae
Methanosarcina siciliae C2J
Methanosarcina siciliae HI350
Methanosarcina siciliae T4/M
Methanosarcina soligelidi
Methanosarcina sp.
Methanosarcina sp. 1.H.A.2.2
Methanosarcina sp. 1.H.T.1A.1
Methanosarcina sp. 2.H.A.1B.4
Methanosarcina sp. 2.H.T.1A.15
Methanosarcina sp. 2.H.T.1A.3
Methanosarcina sp. 2.H.T.1A.6
Methanosarcina sp. 2.H.T.1A.8
Methanosarcina sp. 795
Methanosarcina sp. A14
Methanosarcina sp. Ant1
Methanosarcina sp. DSM 11855
Methanosarcina sp. Kolksee
Methanosarcina sp. MSH10X1
Methanosarcina sp. MTP4
Methanosarcina sp. WH1
Methanosarcina sp. WWM596
Methanosarcina spelaei
Methanosarcina thermophila
Methanosarcina thermophila CHTI−55
Methanosarcina thermophila TM−1
Methanosarcina vacuolata
Methanosarcina vacuolata Z−761
Methanosarcinales archaeon
Methanosarcinales archaeon ex4484_138
Methanosarcinales archaeon ex4572_44
Methanosarcinales archeaon 56_1174
Methanosphaera
Methanosphaera cuniculi
Methanosphaera sp. A6
Methanosphaera sp. BMS
Methanosphaera sp. DEW79
Methanosphaera sp. rholeuAM130
Methanosphaera sp. rholeuAM270
Methanosphaera sp. rholeuAM6
Methanosphaera sp. rholeuAM74
Methanosphaera sp. SHI1033
Methanosphaera sp. SHI613
Methanosphaera sp. WGK6
Methanosphaera stadtmanae
Methanosphaera stadtmanae DSM 3091
Methanosphaerula palustris
Methanosphaerula palustris E1−9c
Methanospirillum
Methanospirillum hungatei
Methanospirillum hungatei JF−1
Methanospirillum lacunae
Methanospirillum stamsii
Methanothermobacter
Methanothermobacter defluvii
Methanothermobacter marburgensis
Methanothermobacter marburgensis str. Marburg
Methanothermobacter sp. CaT2
Methanothermobacter sp. EMTCatA1
Methanothermobacter sp. KEPCO−1
Methanothermobacter sp. MT−2
Methanothermobacter sp. THM−1
Methanothermobacter sp. THM−2
Methanothermobacter tenebrarum
Methanothermobacter thermautotrophicus
Methanothermobacter thermautotrophicus str. Delta H
Methanothermobacter wolfeii
Methanothermococcus okinawensis
Methanothermococcus okinawensis IH1
Methanothermococcus thermolithotrophicus
Methanothermus fervidus
Methanothermus fervidus DSM 2088
Methanothrix soehngenii
Methanothrix soehngenii GP6
Methanothrix sp.
Methanothrix thermoacetophila PT
Methanotorris
Methanotorris formicicus
Methanotorris formicicus Mc−S−70
Methanotorris igneus
Methanotorris igneus Kol 5
Methermicoccus shengliensis
miscellaneous Crenarchaeota group archaeon SMTZ−80
miscellaneous Crenarchaeota group archaeon SMTZ1−55
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LinkerHistone
Histone
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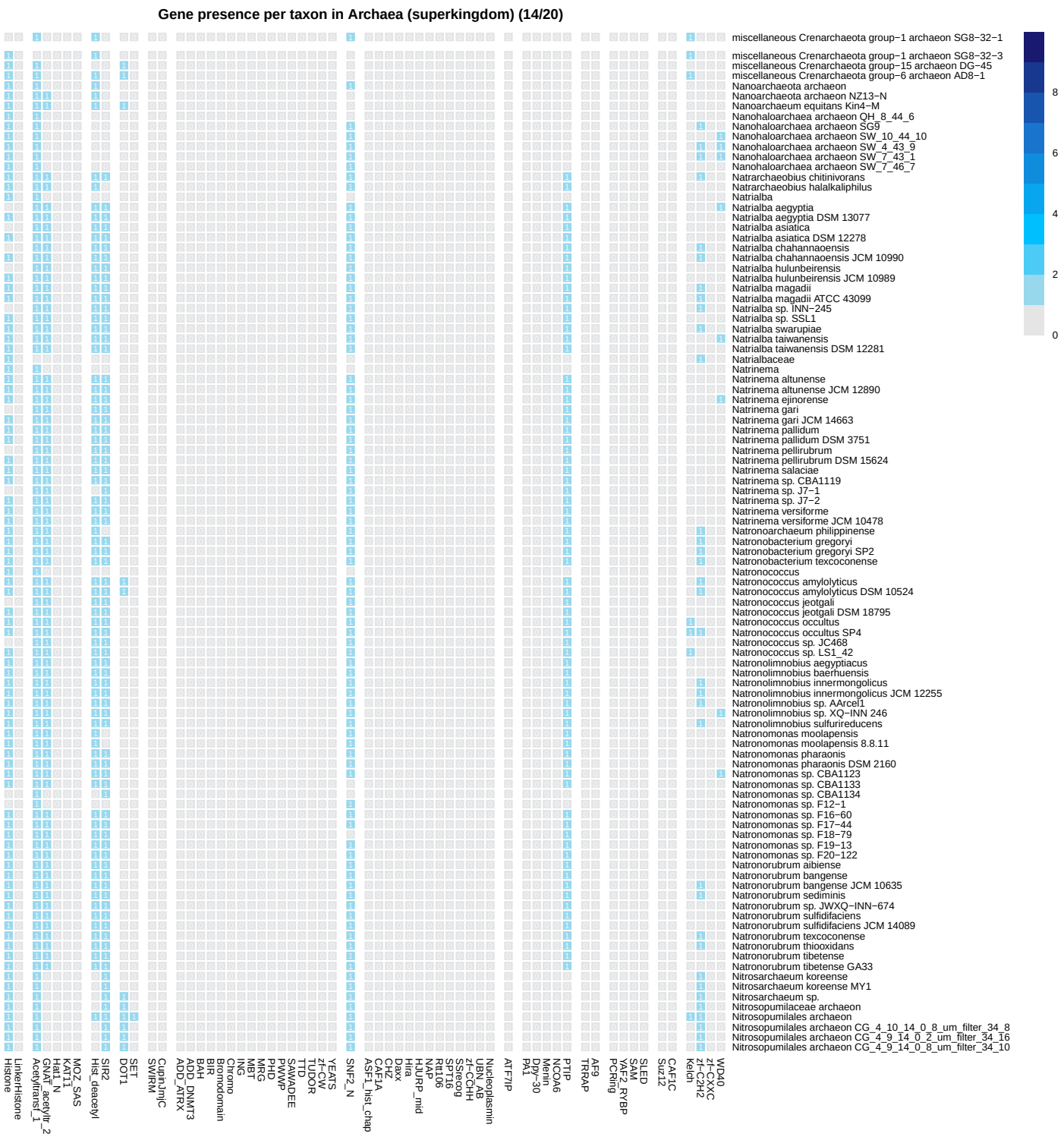
HAT1_N
KOW
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CCW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
RRT06
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
Menin
NCOA6
PTIP
PA1
Dpy−30
AT7IP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (14/20)
miscellaneous Crenarchaeota group−1 archaeon SG8−32−1
miscellaneous Crenarchaeota group−1 archaeon SG8−32−3
miscellaneous Crenarchaeota group−15 archaeon DG−45
miscellaneous Crenarchaeota group−6 archaeon AD8−1
Nanoarchaeota archaeon
Nanoarchaeota archaeon NZ13−N
Nanoarchaeum equitans Kin4−M
Nanohaloarchaea archaeon QH_8_44_6
Nanohaloarchaea archaeon SG9
Nanohaloarchaea archaeon SW_10_44_10
Nanohaloarchaea archaeon SW_4_43_9
Nanohaloarchaea archaeon SW_7_43_1
Nanohaloarchaea archaeon SW_7_46_7
Natrarchaebius chitinivorans
Natrarchaebius halalkaliphilus
Natrialba
Natrialba aegyptia
Natrialba aegyptia DSM 13077
Natrialba asiatica
Natrialba asiatica DSM 12278
Natrialba chahannaoensis
Natrialba chahannaoensis JCM 10990
Natrialba hulunbeirensis
Natrialba hulunbeirensis JCM 10989
Natrialba magadii
Natrialba magadii ATCC 43099
Natrialba sp. INN−245
Natrialba sp. SSL1
Natrialba swarupiae
Natrialba taiwanensis
Natrialba taiwanensis DSM 12281
Natrialbaceae
Natrinema
Natrinema altunense
Natrinema altunense JCM 12890
Natrinema ejinorense
Natrinema gari
Natrinema gari JCM 14663
Natrinema pallidum
Natrinema pallidum DSM 3751
Natrinema pellirubrum
Natrinema pellirubrum DSM 15624
Natrinema salaciae
Natrinema sp. CBA1119
Natrinema sp. J7−1
Natrinema sp. J7−2
Natrinema versiforme
Natrinema versiforme JCM 10478
Natronoarchaeum philippinense
Natronobacterium gregoryi
Natronobacterium gregoryi SP2
Natronobacterium texcoconense
Natronococcus
Natronococcus amylolyticus
Natronococcus amylolyticus DSM 10524
Natronococcus jeotgali
Natronococcus jeotgali DSM 18795
Natronococcus occultus
Natronococcus occultus SP4
Natronococcus sp. JC468
Natronococcus sp. LS1_42
Natronolimnobius aegyptiacus
Natronolimnobius baerhuensis
Natronolimnobius innermongolicus
Natronolimnobius innermongolicus JCM 12255
Natronolimnobius sp. AArcel1
Natronolimnobius sp. XQ−INN 246
Natronolimnobius sulfurireducens
Natronomonas moolapensis
Natronomonas moolapensis 8.8.11
Natronomonas pharaonis
Natronomonas pharaonis DSM 2160
Natronomonas sp. CBA1123
Natronomonas sp. CBA1133
Natronomonas sp. CBA1134
Natronomonas sp. F12−1
Natronomonas sp. F16−60
Natronomonas sp. F17−44
Natronomonas sp. F18−79
Natronomonas sp. F19−13
Natronomonas sp. F20−122
Natronorubrum aibiense
Natronorubrum bangense
Natronorubrum bangense JCM 10635
Natronorubrum sediminis
Natronorubrum sp. JWXQ−INN−674
Natronorubrum sulfidifaciens
Natronorubrum sulfidifaciens JCM 14089
Natronorubrum texcoconense
Natronorubrum thiooxidans
Natronorubrum tibetense
Natronorubrum tibetense GA33
Nitrosarchaeum koreense
Nitrosarchaeum koreense MY1
Nitrosarchaeum sp.
Nitrosopumilaceae archaeon
Nitrosopumilales archaeon
Nitrosopumilales archaeon CG_4_10_14_0_8_um_filter_34_8
Nitrosopumilales archaeon CG_4_9_14_0_2_um_filter_34_16
Nitrosopumilales archaeon CG_4_9_14_0_8_um_filter_34_10
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Hat1_N
KAT11
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Hist_deacetyl
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CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
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MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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CHZ
CAF1A
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN2_2
ATF7IP
PTIP
NCOA6
Menin
Dpy−30
PA1
AF9
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zf−CXXC
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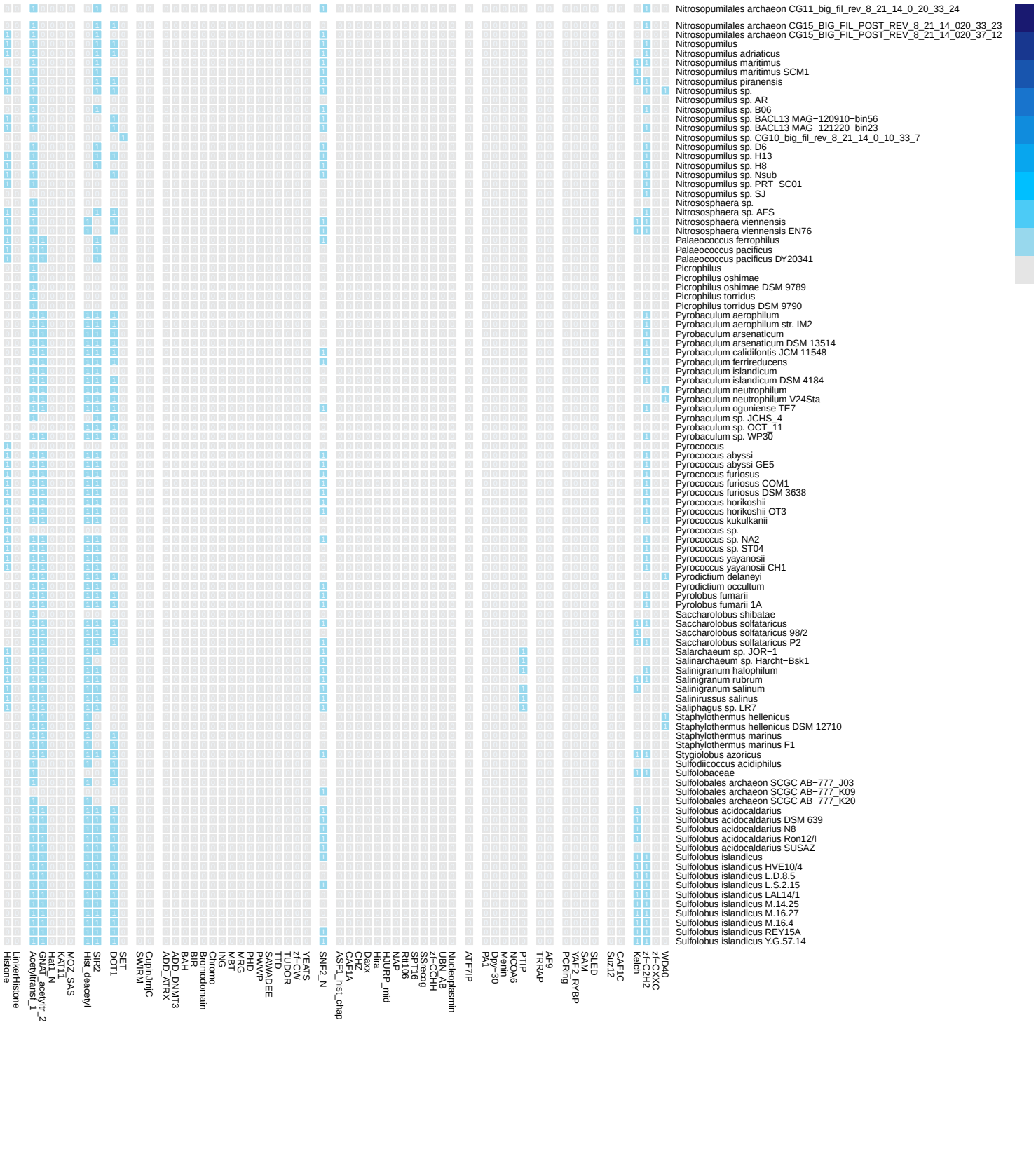
Gene presence per taxon in Archaea (superkingdom) (15/20)
Nitrosopumilales archaeon CG11_big_fil_rev_8_21_14_0_20_33_24
Nitrosopumilales archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_33_23
Nitrosopumilales archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_37_12
Nitrosopumilus
Nitrosopumilus adriaticus
Nitrosopumilus maritimus
Nitrosopumilus maritimus SCM1
Nitrosopumilus piranensis
Nitrosopumilus sp.
Nitrosopumilus sp. AR
Nitrosopumilus sp. B06
Nitrosopumilus sp. BACL13 MAG−120910−bin56
Nitrosopumilus sp. BACL13 MAG−121220−bin23
Nitrosopumilus sp. CG10_big_fil_rev_8_21_14_0_10_33_7
Nitrosopumilus sp. D6
Nitrosopumilus sp. H13
Nitrosopumilus sp. H8
Nitrosopumilus sp. Nsub
Nitrosopumilus sp. PRT−SC01
Nitrosopumilus sp. SJ
Nitrososphaera sp.
Nitrososphaera sp. AFS
Nitrososphaera viennensis
Nitrososphaera viennensis EN76
Palaeococcus ferrophilus
Palaeococcus pacificus
Palaeococcus pacificus DY20341
Picrophilus
Picrophilus oshimae
Picrophilus oshimae DSM 9789
Picrophilus torridus
Picrophilus torridus DSM 9790
Pyrobaculum aerophilum
Pyrobaculum aerophilum str. IM2
Pyrobaculum arsenaticum
Pyrobaculum arsenaticum DSM 13514
Pyrobaculum calidifontis JCM 11548
Pyrobaculum ferrireducens
Pyrobaculum islandicum
Pyrobaculum islandicum DSM 4184
Pyrobaculum neutrophilum
Pyrobaculum neutrophilum V24Sta
Pyrobaculum oguniense TE7
Pyrobaculum sp. JCHS_4
Pyrobaculum sp. OCT_11
Pyrobaculum sp. WP30
Pyrococcus
Pyrococcus abyssi
Pyrococcus abyssi GE5
Pyrococcus furiosus
Pyrococcus furiosus COM1
Pyrococcus furiosus DSM 3638
Pyrococcus horikoshii
Pyrococcus horikoshii OT3
Pyrococcus kukulkanii
Pyrococcus sp.
Pyrococcus sp. NA2
Pyrococcus sp. ST04
Pyrococcus yayanosii
Pyrococcus yayanosii CH1
Pyrodictium delaneyi
Pyrodictium occultum
Pyrolobus fumarii
Pyrolobus fumarii 1A
Saccharolobus shibatae
Saccharolobus solfataricus
Saccharolobus solfataricus 98/2
Saccharolobus solfataricus P2
Salarchaeum sp. JOR−1
Salinarchaeum sp. Harcht−Bsk1
Salinigranum halophilum
Salinigranum rubrum
Salinigranum salinum
Salinirussus salinus
Saliphagus sp. LR7
Staphylothermus hellenicus
Staphylothermus hellenicus DSM 12710
Staphylothermus marinus
Staphylothermus marinus F1
Stygiolobus azoricus
Sulfodiicoccus acidiphilus
Sulfolobaceae
Sulfolobales archaeon SCGC AB−777_J03
Sulfolobales archaeon SCGC AB−777_K09
Sulfolobales archaeon SCGC AB−777_K20
Sulfolobus acidocaldarius
Sulfolobus acidocaldarius DSM 639
Sulfolobus acidocaldarius N8
Sulfolobus acidocaldarius Ron12/I
Sulfolobus acidocaldarius SUSAZ
Sulfolobus islandicus
Sulfolobus islandicus HVE10/4
Sulfolobus islandicus L.D.8.5
Sulfolobus islandicus L.S.2.15
Sulfolobus islandicus LAL14/1
Sulfolobus islandicus M.14.25
Sulfolobus islandicus M.16.27
Sulfolobus islandicus M.16.4
Sulfolobus islandicus REY15A
Sulfolobus islandicus Y.G.57.14
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SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
IMET
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf−CW
YEATS
SNF2_N
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CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
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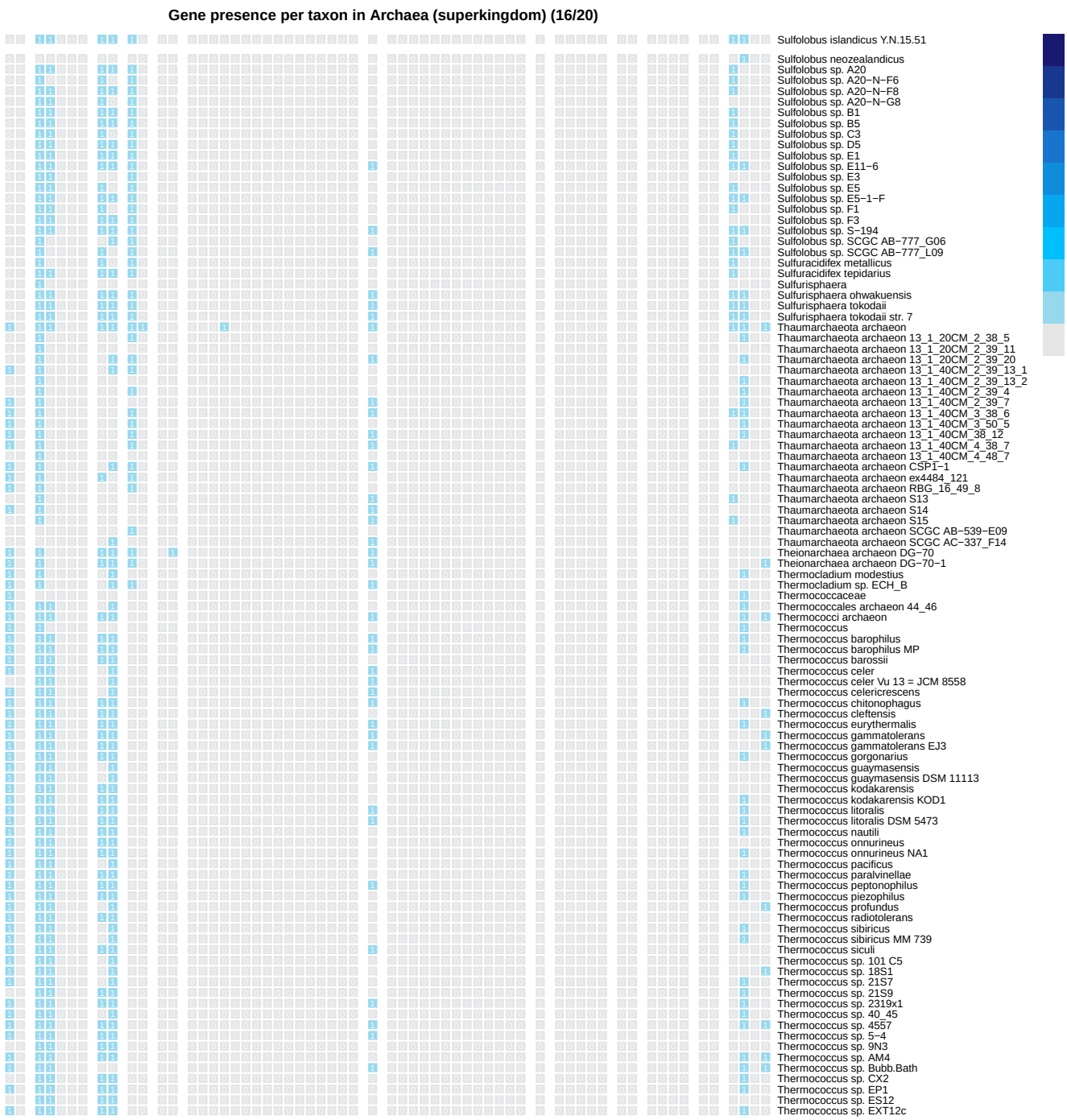
Gene presence per taxon in Archaea (superkingdom) (16/20)
Sulfolobus islandicus Y.N.15.51
Sulfolobus neozealandicus
Sulfolobus sp. A20
Sulfolobus sp. A20−N−F6
Sulfolobus sp. A20−N−F8
Sulfolobus sp. A20−N−G8
Sulfolobus sp. B1
Sulfolobus sp. B5
Sulfolobus sp. C3
Sulfolobus sp. D5
Sulfolobus sp. E1
Sulfolobus sp. E11−6
Sulfolobus sp. E3
Sulfolobus sp. E5
Sulfolobus sp. E5−1−F
Sulfolobus sp. F1
Sulfolobus sp. F3
Sulfolobus sp. S−194
Sulfolobus sp. SCGC AB−777_G06
Sulfolobus sp. SCGC AB−777_L09
Sulfuracidifex metallicus
Sulfuracidifex tepidarius
Sulfurisphaera
Sulfurisphaera ohwakuensis
Sulfurisphaera tokodaii
Sulfurisphaera tokodaii str. 7
Thaumarchaeota archaeon
Thaumarchaeota archaeon 13_1_20CM_2_38_5
Thaumarchaeota archaeon 13_1_20CM_2_39_11
Thaumarchaeota archaeon 13_1_20CM_2_39_20
Thaumarchaeota archaeon 13_1_40CM_2_39_13_1
Thaumarchaeota archaeon 13_1_40CM_2_39_13_2
Thaumarchaeota archaeon 13_1_40CM_2_39_4
Thaumarchaeota archaeon 13_1_40CM_2_39_7
Thaumarchaeota archaeon 13_1_40CM_3_38_6
Thaumarchaeota archaeon 13_1_40CM_3_50_5
Thaumarchaeota archaeon 13_1_40CM_38_12
Thaumarchaeota archaeon 13_1_40CM_4_38_7
Thaumarchaeota archaeon 13_1_40CM_4_48_7
Thaumarchaeota archaeon CSP1−1
Thaumarchaeota archaeon ex4484_121
Thaumarchaeota archaeon RBG_16_49_8
Thaumarchaeota archaeon S13
Thaumarchaeota archaeon S14
Thaumarchaeota archaeon S15
Thaumarchaeota archaeon SCGC AB−539−E09
Thaumarchaeota archaeon SCGC AC−337_F14
Theionarchaea archaeon DG−70
Theionarchaea archaeon DG−70−1
Thermocladium modestius
Thermocladium sp. ECH_B
Thermococcaceae
Thermococcales archaeon 44_46
Thermococci archaeon
Thermococcus
Thermococcus barophilus
Thermococcus barophilus MP
Thermococcus barossii
Thermococcus celer
Thermococcus celer Vu 13 = JCM 8558
Thermococcus celericrescens
Thermococcus chitonophagus
Thermococcus cleftensis
Thermococcus eurythermalis
Thermococcus gammatolerans
Thermococcus gammatolerans EJ3
Thermococcus gorgonarius
Thermococcus guaymasensis
Thermococcus guaymasensis DSM 11113
Thermococcus kodakarensis
Thermococcus kodakarensis KOD1
Thermococcus litoralis
Thermococcus litoralis DSM 5473
Thermococcus nautili
Thermococcus onnurineus
Thermococcus onnurineus NA1
Thermococcus pacificus
Thermococcus paralvinellae
Thermococcus peptonophilus
Thermococcus piezophilus
Thermococcus profundus
Thermococcus radiotolerans
Thermococcus sibiricus
Thermococcus sibiricus MM 739
Thermococcus siculi
Thermococcus sp. 101 C5
Thermococcus sp. 18S1
Thermococcus sp. 21S7
Thermococcus sp. 21S9
Thermococcus sp. 2319x1
Thermococcus sp. 40_45
Thermococcus sp. 4557
Thermococcus sp. 5−4
Thermococcus sp. 9N3
Thermococcus sp. AM4
Thermococcus sp. Bubb.Bath
Thermococcus sp. CX2
Thermococcus sp. EP1
Thermococcus sp. ES12
Thermococcus sp. EXT12c
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Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
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CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
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PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_CBD
ATF7IP
PTIP
NCOA6
Menin
Dpy−30
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AF9
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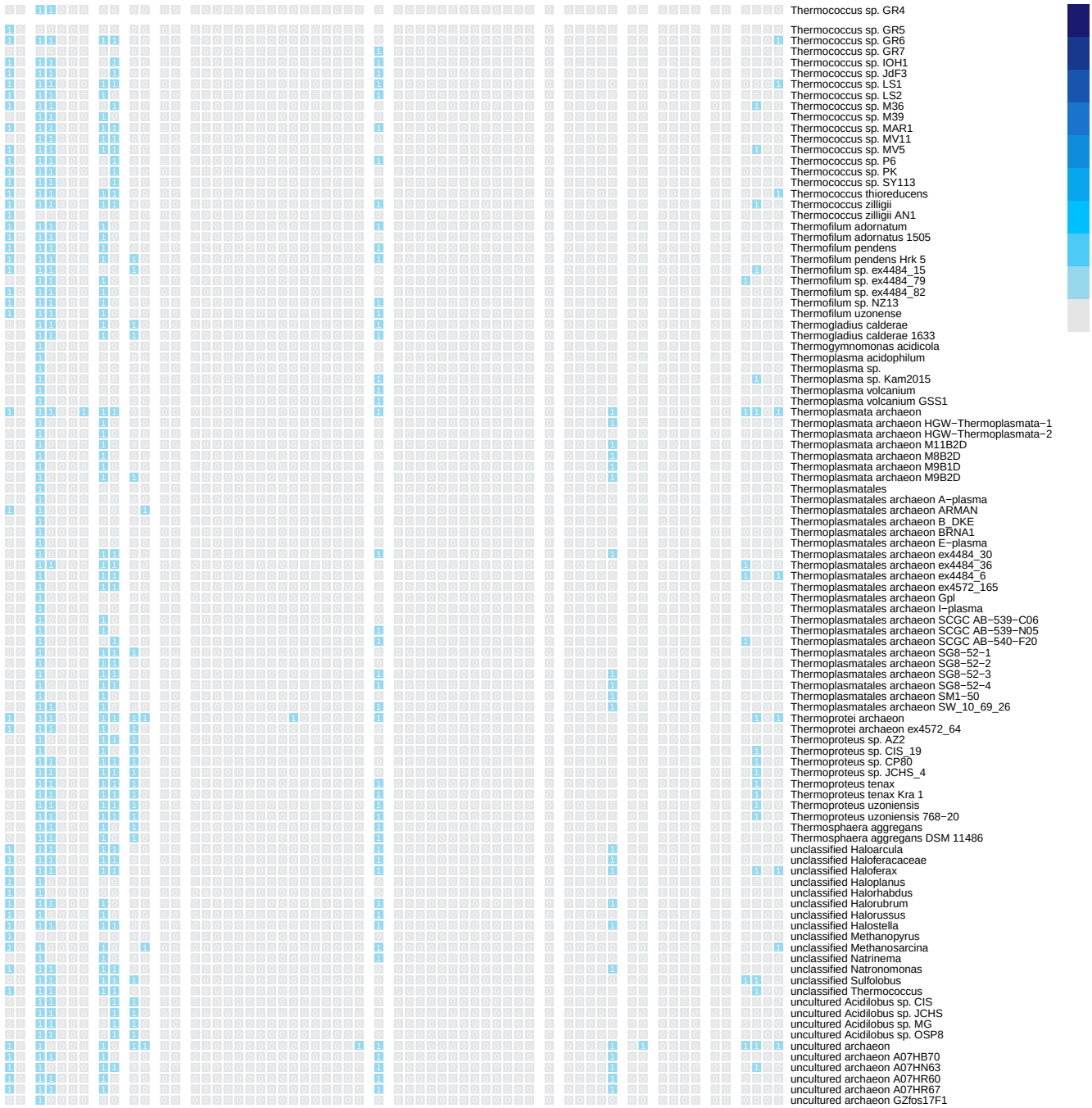
Gene presence per taxon in Archaea (superkingdom) (17/20)
Thermococcus sp. GR4
Thermococcus sp. GR5
Thermococcus sp. GR6
Thermococcus sp. GR7
Thermococcus sp. IOH1
Thermococcus sp. JdF3
Thermococcus sp. LS1
Thermococcus sp. LS2
Thermococcus sp. M36
Thermococcus sp. M39
Thermococcus sp. MAR1
Thermococcus sp. MV11
Thermococcus sp. MV5
Thermococcus sp. P6
Thermococcus sp. PK
Thermococcus sp. SY113
Thermococcus thioreducens
Thermococcus zilligii
Thermococcus zilligii AN1
Thermofilum adornatum
Thermofilum adornatus 1505
Thermofilum pendens
Thermofilum pendens Hrk 5
Thermofilum sp. ex4484_15
Thermofilum sp. ex4484_79
Thermofilum sp. ex4484_82
Thermofilum sp. NZ13
Thermofilum uzonense
Thermogladius calderae
Thermogladius calderae 1633
Thermogymnomonas acidicola
Thermoplasma acidophilum
Thermoplasma sp.
Thermoplasma sp. Kam2015
Thermoplasma volcanium
Thermoplasma volcanium GSS1
Thermoplasmata archaeon
Thermoplasmata archaeon HGW−Thermoplasmata−1
Thermoplasmata archaeon HGW−Thermoplasmata−2
Thermoplasmata archaeon M11B2D
Thermoplasmata archaeon M8B2D
Thermoplasmata archaeon M9B1D
Thermoplasmata archaeon M9B2D
Thermoplasmatales
Thermoplasmatales archaeon A−plasma
Thermoplasmatales archaeon ARMAN
Thermoplasmatales archaeon B_DKE
Thermoplasmatales archaeon BRNA1
Thermoplasmatales archaeon E−plasma
Thermoplasmatales archaeon ex4484_30
Thermoplasmatales archaeon ex4484_36
Thermoplasmatales archaeon ex4484_6
Thermoplasmatales archaeon ex4572_165
Thermoplasmatales archaeon Gpl
Thermoplasmatales archaeon I−plasma
Thermoplasmatales archaeon SCGC AB−539−C06
Thermoplasmatales archaeon SCGC AB−539−N05
Thermoplasmatales archaeon SCGC AB−540−F20
Thermoplasmatales archaeon SG8−52−1
Thermoplasmatales archaeon SG8−52−2
Thermoplasmatales archaeon SG8−52−3
Thermoplasmatales archaeon SG8−52−4
Thermoplasmatales archaeon SM1−50
Thermoplasmatales archaeon SW_10_69_26
Thermoprotei archaeon
Thermoprotei archaeon ex4572_64
Thermoproteus sp. AZ2
Thermoproteus sp. CIS_19
Thermoproteus sp. CP80
Thermoproteus sp. JCHS_4
Thermoproteus tenax
Thermoproteus tenax Kra 1
Thermoproteus uzoniensis
Thermoproteus uzoniensis 768−20
Thermosphaera aggregans
Thermosphaera aggregans DSM 11486
unclassified Haloarcula
unclassified Haloferacaceae
unclassified Haloferax
unclassified Haloplanus
unclassified Halorhabdus
unclassified Halorubrum
unclassified Halorussus
unclassified Halostella
unclassified Methanopyrus
unclassified Methanosarcina
unclassified Natrinema
unclassified Natronomonas
unclassified Sulfolobus
unclassified Thermococcus
uncultured Acidilobus sp. CIS
uncultured Acidilobus sp. JCHS
uncultured Acidilobus sp. MG
uncultured Acidilobus sp. OSP8
uncultured archaeon
uncultured archaeon A07HB70
uncultured archaeon A07HN63
uncultured archaeon A07HR60
uncultured archaeon A07HR67
uncultured archaeon GZfos17F1
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ADD_ATRX
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Bromodomain
Chromo
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PWWP
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Daxx
HIRIP3
HJURP_mid
NASP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
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Med13_30
NCOA6
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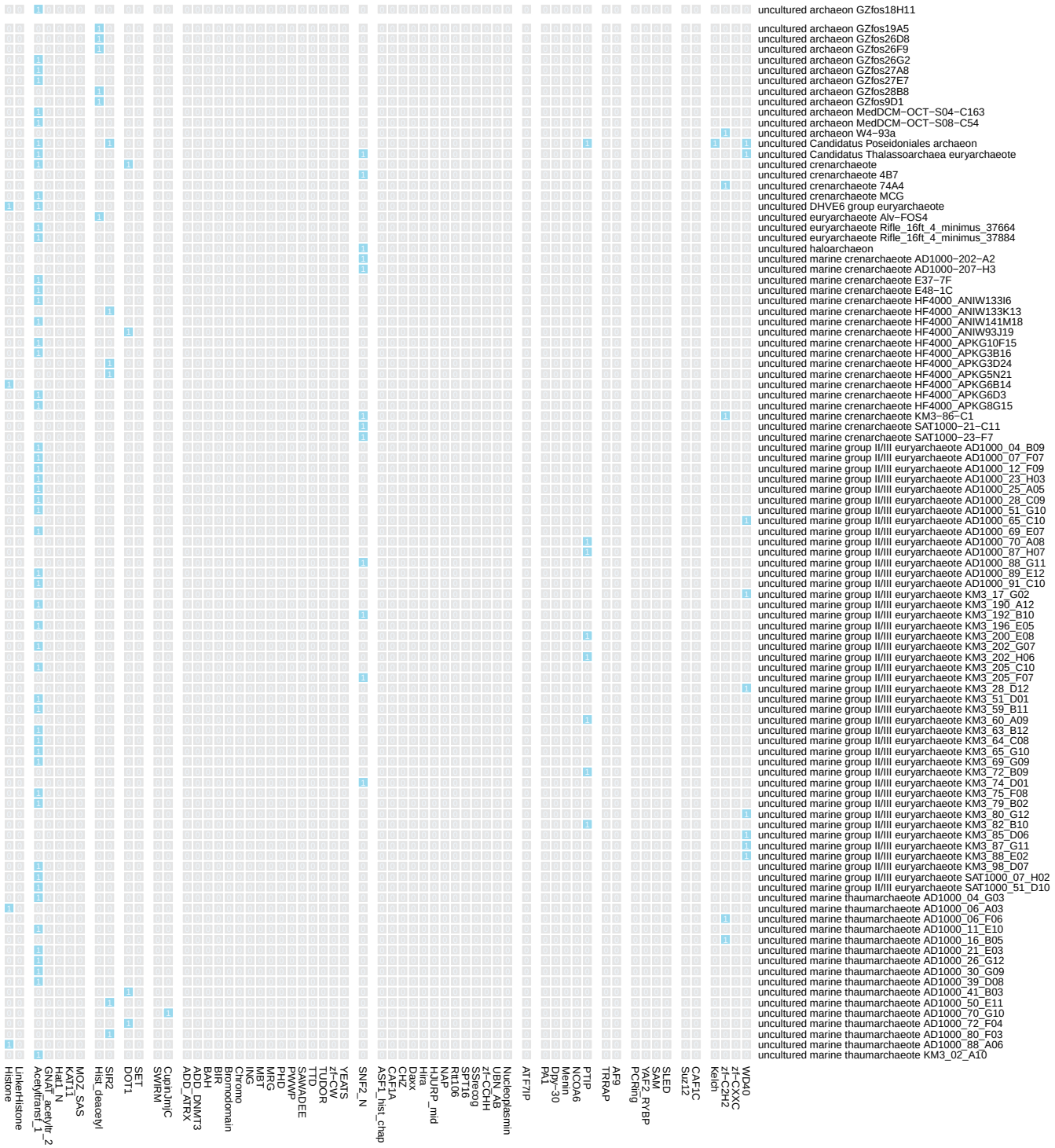
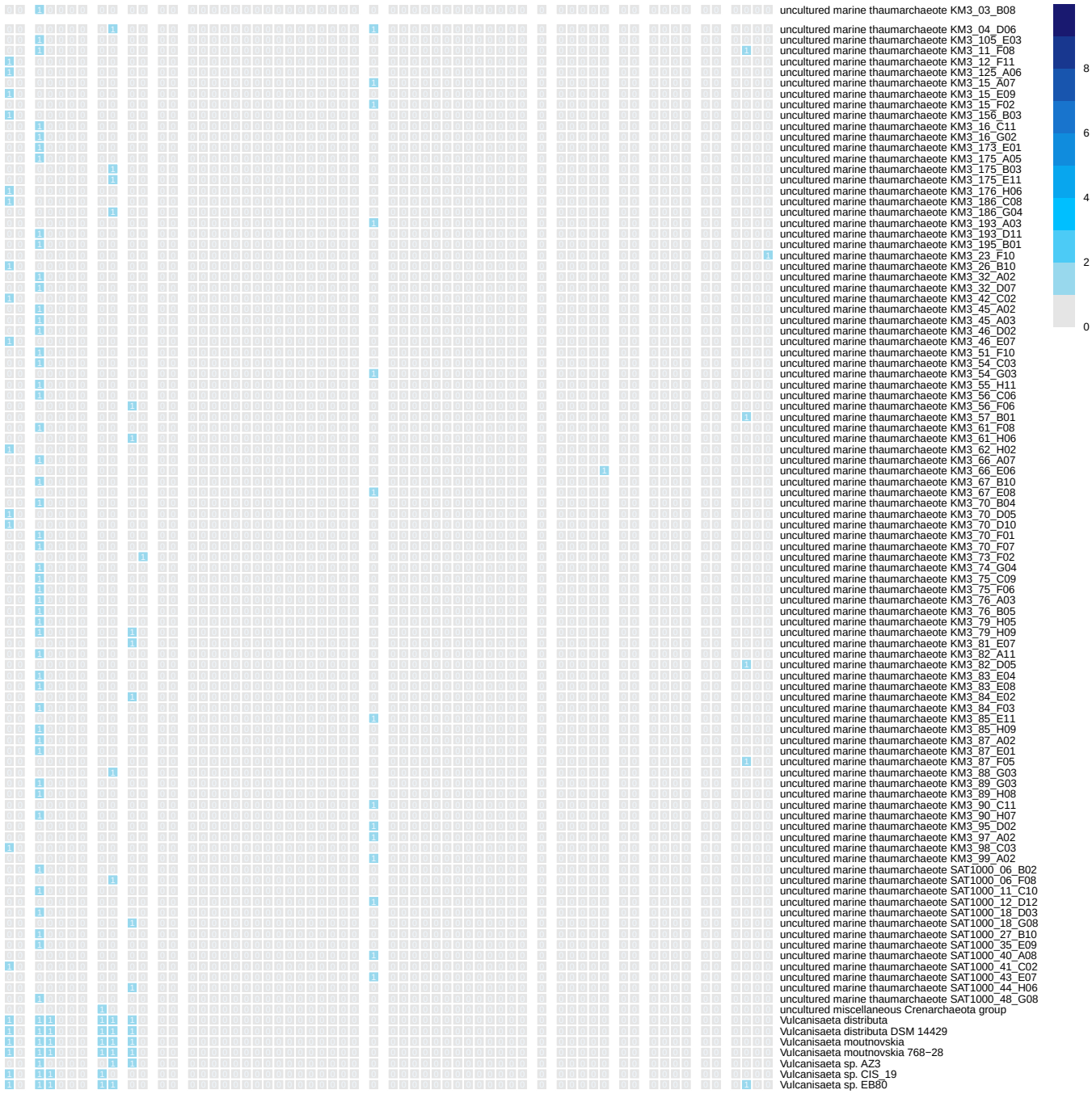

Gene presence per taxon in Archaea (superkingdom) (18/20)
uncultured archaeon GZfos18H11
uncultured archaeon GZfos19A5
uncultured archaeon GZfos26D8
uncultured archaeon GZfos26F9
uncultured archaeon GZfos26G2
uncultured archaeon GZfos27A8
uncultured archaeon GZfos27E7
uncultured archaeon GZfos28B8
uncultured archaeon GZfos9D1
uncultured archaeon MedDCM−OCT−S04−C163
uncultured archaeon MedDCM−OCT−S08−C54
uncultured archaeon W4−93a
uncultured Candidatus Poseidoniales archaeon
uncultured Candidatus Thalassoarchaea euryarchaeote
uncultured crenarchaeote
uncultured crenarchaeote 4B7
uncultured crenarchaeote 74A4
uncultured crenarchaeote MCG
uncultured DHVE6 group euryarchaeote
uncultured euryarchaeote Alv−FOS4
uncultured euryarchaeote Rifle_16ft_4_minimus_37664
uncultured euryarchaeote Rifle_16ft_4_minimus_37884
uncultured haloarchaeon
uncultured marine crenarchaeote AD1000−202−A2
uncultured marine crenarchaeote AD1000−207−H3
uncultured marine crenarchaeote E37−7F
uncultured marine crenarchaeote E48−1C
uncultured marine crenarchaeote HF4000_ANIW133I6
uncultured marine crenarchaeote HF4000_ANIW133K13
uncultured marine crenarchaeote HF4000_ANIW141M18
uncultured marine crenarchaeote HF4000_ANIW93J19
uncultured marine crenarchaeote HF4000_APKG10F15
uncultured marine crenarchaeote HF4000_APKG3B16
uncultured marine crenarchaeote HF4000_APKG3D24
uncultured marine crenarchaeote HF4000_APKG5N21
uncultured marine crenarchaeote HF4000_APKG6B14
uncultured marine crenarchaeote HF4000_APKG6D3
uncultured marine crenarchaeote HF4000_APKG8G15
uncultured marine crenarchaeote KM3−86−C1
uncultured marine crenarchaeote SAT1000−21−C11
uncultured marine crenarchaeote SAT1000−23−F7
uncultured marine group II/III euryarchaeote AD1000_04_B09
uncultured marine group II/III euryarchaeote AD1000_07_F07
uncultured marine group II/III euryarchaeote AD1000_12_F09
uncultured marine group II/III euryarchaeote AD1000_23_H03
uncultured marine group II/III euryarchaeote AD1000_25_A05
uncultured marine group II/III euryarchaeote AD1000_28_C09
uncultured marine group II/III euryarchaeote AD1000_51_G10
uncultured marine group II/III euryarchaeote AD1000_65_C10
uncultured marine group II/III euryarchaeote AD1000_69_E07
uncultured marine group II/III euryarchaeote AD1000_70_A08
uncultured marine group II/III euryarchaeote AD1000_87_H07
uncultured marine group II/III euryarchaeote AD1000_88_G11
uncultured marine group II/III euryarchaeote AD1000_89_E12
uncultured marine group II/III euryarchaeote AD1000_91_C10
uncultured marine group II/III euryarchaeote KM3_17_G02
uncultured marine group II/III euryarchaeote KM3_190_A12
uncultured marine group II/III euryarchaeote KM3_192_B10
uncultured marine group II/III euryarchaeote KM3_196_E05
uncultured marine group II/III euryarchaeote KM3_200_E08
uncultured marine group II/III euryarchaeote KM3_202_G07
uncultured marine group II/III euryarchaeote KM3_202_H06
uncultured marine group II/III euryarchaeote KM3_205_C10
uncultured marine group II/III euryarchaeote KM3_205_F07
uncultured marine group II/III euryarchaeote KM3_28_D12
uncultured marine group II/III euryarchaeote KM3_51_D01
uncultured marine group II/III euryarchaeote KM3_59_B11
uncultured marine group II/III euryarchaeote KM3_60_A09
uncultured marine group II/III euryarchaeote KM3_63_B12
uncultured marine group II/III euryarchaeote KM3_64_C08
uncultured marine group II/III euryarchaeote KM3_65_G10
uncultured marine group II/III euryarchaeote KM3_69_G09
uncultured marine group II/III euryarchaeote KM3_72_B09
uncultured marine group II/III euryarchaeote KM3_74_D01
uncultured marine group II/III euryarchaeote KM3_75_F08
uncultured marine group II/III euryarchaeote KM3_79_B02
uncultured marine group II/III euryarchaeote KM3_80_G12
uncultured marine group II/III euryarchaeote KM3_82_B10
uncultured marine group II/III euryarchaeote KM3_85_D06
uncultured marine group II/III euryarchaeote KM3_87_G11
uncultured marine group II/III euryarchaeote KM3_88_E02
uncultured marine group II/III euryarchaeote KM3_98_D07
uncultured marine group II/III euryarchaeote SAT1000_07_H02
uncultured marine group II/III euryarchaeote SAT1000_51_D10
uncultured marine thaumarchaeote AD1000_04_G03
uncultured marine thaumarchaeote AD1000_06_A03
uncultured marine thaumarchaeote AD1000_06_F06
uncultured marine thaumarchaeote AD1000_11_E10
uncultured marine thaumarchaeote AD1000_16_B05
uncultured marine thaumarchaeote AD1000_21_E03
uncultured marine thaumarchaeote AD1000_26_G12
uncultured marine thaumarchaeote AD1000_30_G09
uncultured marine thaumarchaeote AD1000_39_D08
uncultured marine thaumarchaeote AD1000_41_B03
uncultured marine thaumarchaeote AD1000_50_E11
uncultured marine thaumarchaeote AD1000_70_G10
uncultured marine thaumarchaeote AD1000_72_F04
uncultured marine thaumarchaeote AD1000_80_F03
uncultured marine thaumarchaeote AD1000_88_A06
uncultured marine thaumarchaeote KM3_02_A10
0
2
4
6
8
LinkerHistone
Histone
MOZ_SAS
KAT11_13
Hat1_N
GNAT_acetyltr_2
Acetyltransf_1
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
RHD6
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
ATF7IP
PAT
Menin
Dpy−30
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (19/20)
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uncultured marine thaumarchaeote KM3_11_F08
uncultured marine thaumarchaeote KM3_12_F11
uncultured marine thaumarchaeote KM3_125_A06
uncultured marine thaumarchaeote KM3_15_A07
uncultured marine thaumarchaeote KM3_15_E09
uncultured marine thaumarchaeote KM3_15_F02
uncultured marine thaumarchaeote KM3_156_B03
uncultured marine thaumarchaeote KM3_16_C11
uncultured marine thaumarchaeote KM3_16_G02
uncultured marine thaumarchaeote KM3_173_E01
uncultured marine thaumarchaeote KM3_175_A05
uncultured marine thaumarchaeote KM3_175_B03
uncultured marine thaumarchaeote KM3_175_E11
uncultured marine thaumarchaeote KM3_176_H06
uncultured marine thaumarchaeote KM3_186_C08
uncultured marine thaumarchaeote KM3_186_G04
uncultured marine thaumarchaeote KM3_193_A03
uncultured marine thaumarchaeote KM3_193_D11
uncultured marine thaumarchaeote KM3_195_B01
uncultured marine thaumarchaeote KM3_23_F10
uncultured marine thaumarchaeote KM3_26_B10
uncultured marine thaumarchaeote KM3_32_A02
uncultured marine thaumarchaeote KM3_32_D07
uncultured marine thaumarchaeote KM3_42_C02
uncultured marine thaumarchaeote KM3_45_A02
uncultured marine thaumarchaeote KM3_45_A03
uncultured marine thaumarchaeote KM3_46_D02
uncultured marine thaumarchaeote KM3_46_E07
uncultured marine thaumarchaeote KM3_51_F10
uncultured marine thaumarchaeote KM3_54_C03
uncultured marine thaumarchaeote KM3_54_G03
uncultured marine thaumarchaeote KM3_55_H11
uncultured marine thaumarchaeote KM3_56_C06
uncultured marine thaumarchaeote KM3_56_F06
uncultured marine thaumarchaeote KM3_57_B01
uncultured marine thaumarchaeote KM3_61_F08
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uncultured marine thaumarchaeote KM3_67_B10
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uncultured marine thaumarchaeote KM3_70_B04
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uncultured marine thaumarchaeote KM3_70_F07
uncultured marine thaumarchaeote KM3_73_F02
uncultured marine thaumarchaeote KM3_74_G04
uncultured marine thaumarchaeote KM3_75_C09
uncultured marine thaumarchaeote KM3_75_F06
uncultured marine thaumarchaeote KM3_76_A03
uncultured marine thaumarchaeote KM3_76_B05
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uncultured marine thaumarchaeote KM3_79_H09
uncultured marine thaumarchaeote KM3_81_E07
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uncultured marine thaumarchaeote KM3_84_E02
uncultured marine thaumarchaeote KM3_84_F03
uncultured marine thaumarchaeote KM3_85_E11
uncultured marine thaumarchaeote KM3_85_H09
uncultured marine thaumarchaeote KM3_87_A02
uncultured marine thaumarchaeote KM3_87_E01
uncultured marine thaumarchaeote KM3_87_F05
uncultured marine thaumarchaeote KM3_88_G03
uncultured marine thaumarchaeote KM3_89_G03
uncultured marine thaumarchaeote KM3_89_H08
uncultured marine thaumarchaeote KM3_90_C11
uncultured marine thaumarchaeote KM3_90_H07
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uncultured marine thaumarchaeote KM3_98_C03
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uncultured marine thaumarchaeote SAT1000_18_G08
uncultured marine thaumarchaeote SAT1000_27_B10
uncultured marine thaumarchaeote SAT1000_35_E09
uncultured marine thaumarchaeote SAT1000_40_A08
uncultured marine thaumarchaeote SAT1000_41_C02
uncultured marine thaumarchaeote SAT1000_43_E07
uncultured marine thaumarchaeote SAT1000_44_H06
uncultured marine thaumarchaeote SAT1000_48_G08
uncultured miscellaneous Crenarchaeota group
Vulcanisaeta distributa
Vulcanisaeta distributa DSM 14429
Vulcanisaeta moutnovskia
Vulcanisaeta moutnovskia 768−28
Vulcanisaeta sp. AZ3
Vulcanisaeta sp. CIS_19
Vulcanisaeta sp. EB80
WD40
zf−CXXC
zf−C2H2
Kelch
CAF1C
Suz12
SLED
SAM
YAF2_RYBP
PCRing
AF9
TRRAP
PTIP
NCOA6
Menin
DPY−30
PA1
AT7IP
Nucleoplasmin
UBN_AB
zf−CCHH
SSrecog
SPT16
Rtt106
NAP
HJURP_mid
Hira
Daxx
CHZ
CAF1A
ASF1_hist_chap
SNF2_N
YEATS
zf−CW
TUDOR
SAGA/ADA/PAF
PWWP
PHD
MRG
MBT
ING
Chromo
Bromodomain
BIR
BAH
ADD_DNMT3
ADD_ATRX
CupinJmjC
SWIRM
SET
DOT1
SIR2
Hist_deacetyl
HatA_N
KAT11
MOZ_SAS
GNAT_acetyltr_2
Acetyltransf_1
LinkerHistone
Histone
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4
2
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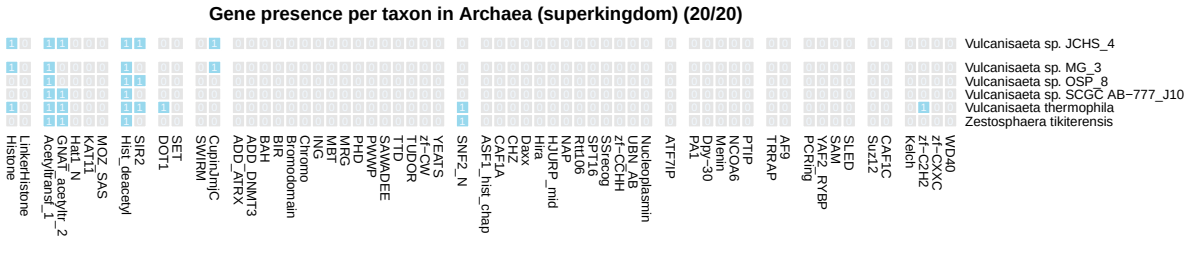
Gene presence per taxon in Archaea (superkingdom) (20/20)
Vulcanisaeta sp. JCHS_4
Vulcanisaeta sp. MG_3
Vulcanisaeta sp. OSP_8
Vulcanisaeta sp. SCGC AB−777_J10
Vulcanisaeta thermophila
Zestosphaera tikiterensis
8
6
4
2
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GNAT_acetyltr_2
Acetyltransf_1
Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
zf-CW
YEATS
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf-CCHH
UBN_AB
Nucleoplasmin
ATF7IP
Dpy−30
MeaN
NCOA6
PTIP
PA1
TRRAP
AF9
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zf-C2H2
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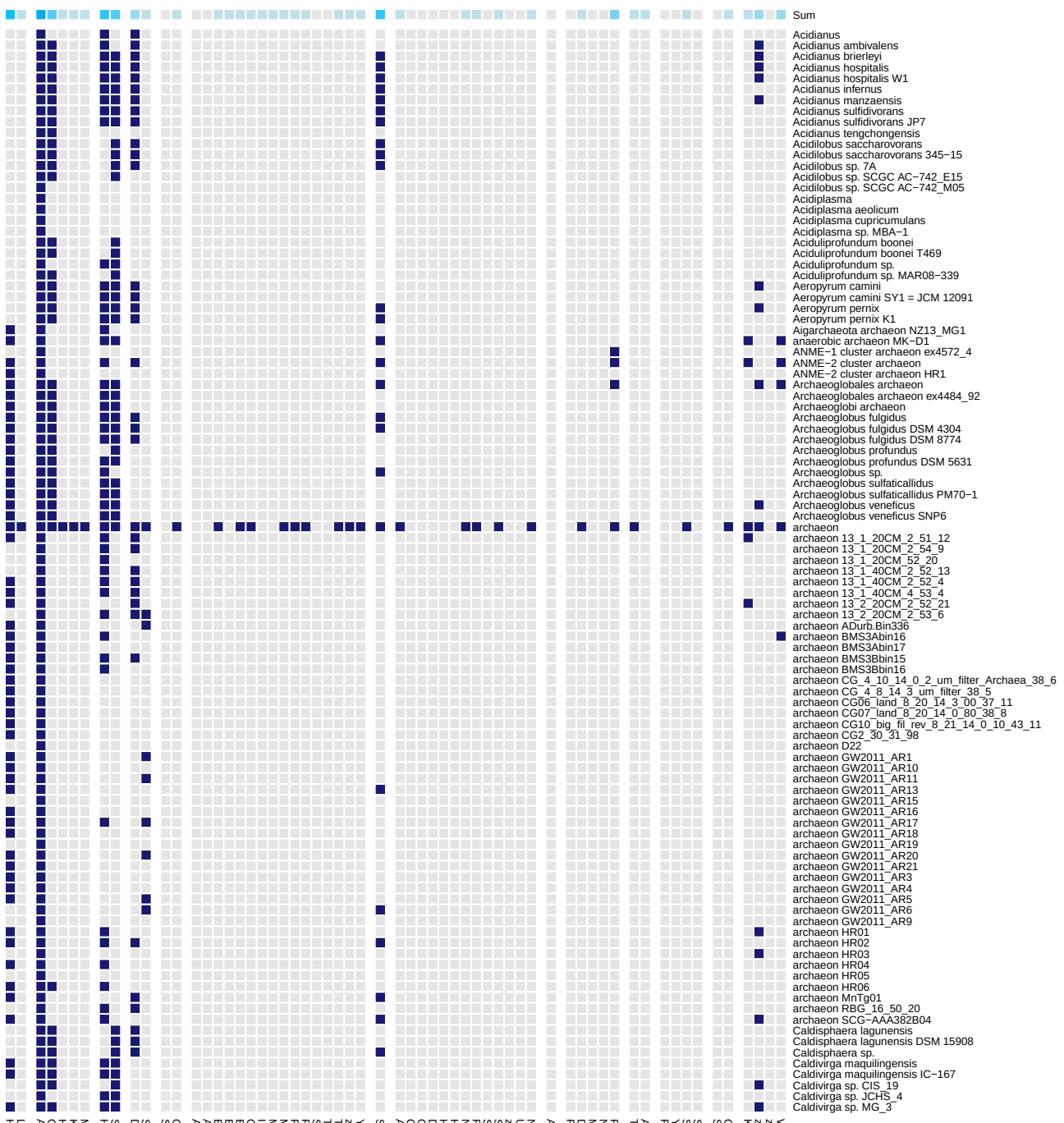
WD40


Gene presence per taxon in Archaea (superkingdom) (1/20) (fraction of species)
Sum
1
0.8
0.6
0.4
0.2
0
Acidianus
Acidianus ambivalens
Acidianus brierleyi
Acidianus hospitalis
Acidianus hospitalis W1
Acidianus infernus
Acidianus manzaensis
Acidianus sulfidivorans
Acidianus sulfidivorans JP7
Acidianus tengchongensis
Acidilobus saccharovorans
Acidilobus saccharovorans 345−15
Acidilobus sp. 7A
Acidilobus sp. SCGC AC−742_E15
Acidilobus sp. SCGC AC−742_M05
Acidiplasma
Acidiplasma aeolicum
Acidiplasma cupricumulans
Acidiplasma sp. MBA−1
Aciduliprofundum boonei
Aciduliprofundum boonei T469
Aciduliprofundum sp.
Aciduliprofundum sp. MAR08−339
Aeropyrum camini
Aeropyrum camini SY1 = JCM 12091
Aeropyrum pernix
Aeropyrum pernix K1
Aigarchaeota archaeon NZ13_MG1
anaerobic archaeon MK−D1
ANME−1 cluster archaeon ex4572_4
ANME−2 cluster archaeon
ANME−2 cluster archaeon HR1
Archaeoglobales archaeon
Archaeoglobales archaeon ex4484_92
Archaeoglobi archaeon
Archaeoglobus fulgidus
Archaeoglobus fulgidus DSM 4304
Archaeoglobus fulgidus DSM 8774
Archaeoglobus profundus
Archaeoglobus profundus DSM 5631
Archaeoglobus sp.
Archaeoglobus sulfaticallidus
Archaeoglobus sulfaticallidus PM70−1
Archaeoglobus veneficus
Archaeoglobus veneficus SNP6
archaeon
archaeon 13_1_20CM_2_51_12
archaeon 13_1_20CM_2_54_9
archaeon 13_1_20CM_52_20
archaeon 13_1_40CM_2_52_13
archaeon 13_1_40CM_2_52_4
archaeon 13_1_40CM_4_53_4
archaeon 13_2_20CM_2_52_21
archaeon 13_2_20CM_2_53_6
archaeon ADurb.Bin336
archaeon BMS3Abin16
archaeon BMS3Abin17
archaeon BMS3Bbin15
archaeon BMS3Bbin16
archaeon CG_4_10_14_0_2_um_filter_Archaea_38_6
archaeon CG_4_8_14_3_um_filter_38_5
archaeon CG06_land_8_20_14_3_00_37_11
archaeon CG07_land_8_20_14_0_80_38_8
archaeon CG10_big_fil_rev_8_21_14_0_10_43_11
archaeon CG2_30_31_98
archaeon D22
archaeon GW2011_AR1
archaeon GW2011_AR10
archaeon GW2011_AR11
archaeon GW2011_AR13
archaeon GW2011_AR15
archaeon GW2011_AR16
archaeon GW2011_AR17
archaeon GW2011_AR18
archaeon GW2011_AR19
archaeon GW2011_AR20
archaeon GW2011_AR21
archaeon GW2011_AR3
archaeon GW2011_AR4
archaeon GW2011_AR5
archaeon GW2011_AR6
archaeon GW2011_AR9
archaeon HR01
archaeon HR02
archaeon HR03
archaeon HR04
archaeon HR05
archaeon HR06
archaeon MnTg01
archaeon RBG_16_50_20
archaeon SCG−AAA382B04
Caldisphaera lagunensis
Caldisphaera lagunensis DSM 15908
Caldisphaera sp.
Caldivirga maquilingensis
Caldivirga maquilingensis IC−167
Caldivirga sp. CIS_19
Caldivirga sp. JCHS_4
Caldivirga sp. MG_3
LinkerHistone
Histone
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Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
DOT1
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SWIRM
ADD_DNMT3
ADD_ATRX
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Bromodomain
Chromo
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MRG
PHD
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SAWADEE
TTD
TUDOR
YEATS
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SNF2_N
ASF1_hist_chap
CAF1A
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Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
ATF7IP
Dpy−30
PA1
Menin
NCOA6
PTIP
TRRAP
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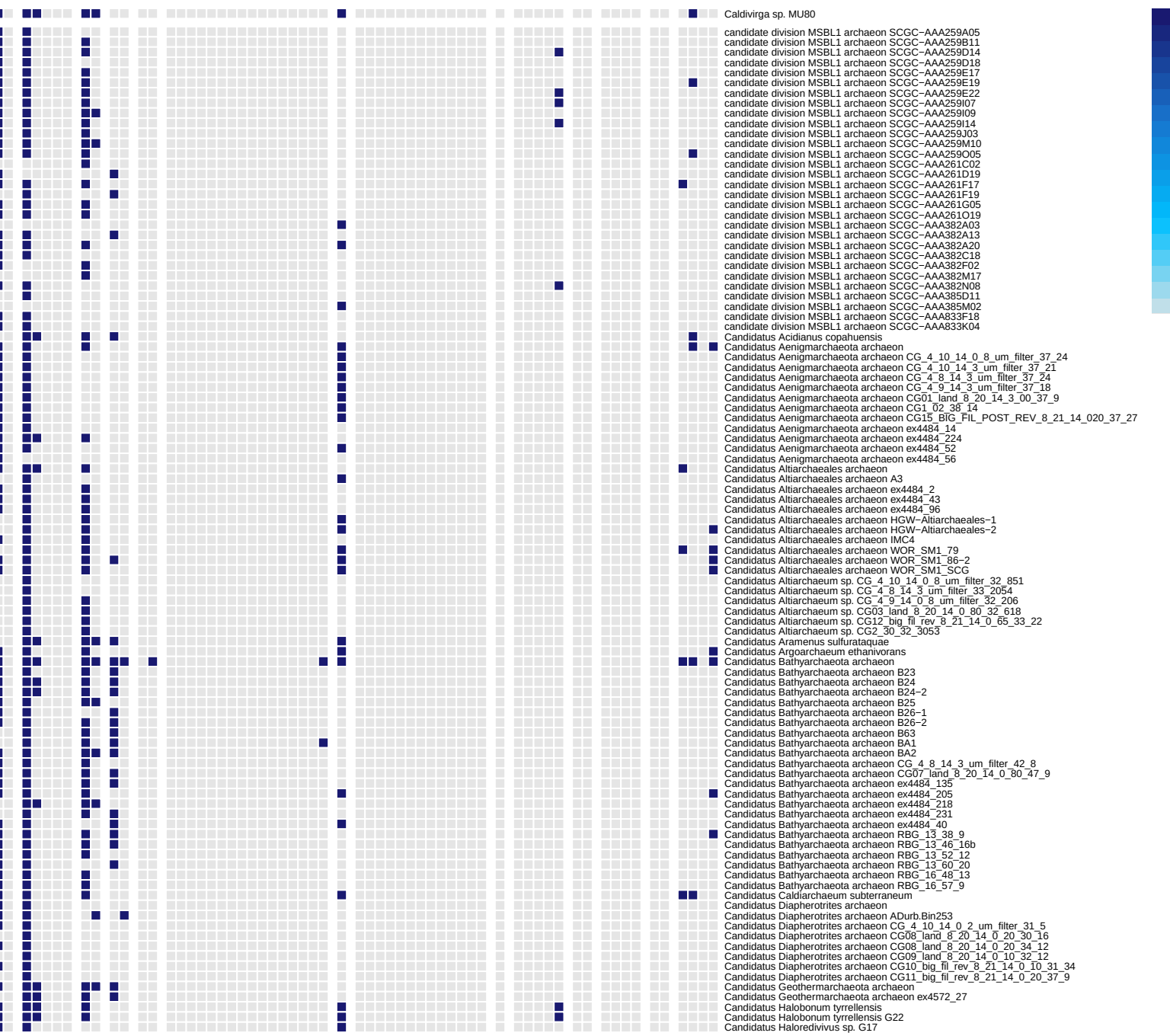
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (2/20) (fraction of species)
Caldivirga sp. MU80
candidate division MSBL1 archaeon SCGC−AAA259A05
candidate division MSBL1 archaeon SCGC−AAA259B11
candidate division MSBL1 archaeon SCGC−AAA259D14
candidate division MSBL1 archaeon SCGC−AAA259D18
candidate division MSBL1 archaeon SCGC−AAA259E17
candidate division MSBL1 archaeon SCGC−AAA259E19
candidate division MSBL1 archaeon SCGC−AAA259E22
candidate division MSBL1 archaeon SCGC−AAA259I07
candidate division MSBL1 archaeon SCGC−AAA259I09
candidate division MSBL1 archaeon SCGC−AAA259I14
candidate division MSBL1 archaeon SCGC−AAA259J03
candidate division MSBL1 archaeon SCGC−AAA259M10
candidate division MSBL1 archaeon SCGC−AAA259O05
candidate division MSBL1 archaeon SCGC−AAA261C02
candidate division MSBL1 archaeon SCGC−AAA261D19
candidate division MSBL1 archaeon SCGC−AAA261F17
candidate division MSBL1 archaeon SCGC−AAA261F19
candidate division MSBL1 archaeon SCGC−AAA261G05
candidate division MSBL1 archaeon SCGC−AAA261O19
candidate division MSBL1 archaeon SCGC−AAA382A03
candidate division MSBL1 archaeon SCGC−AAA382A13
candidate division MSBL1 archaeon SCGC−AAA382A20
candidate division MSBL1 archaeon SCGC−AAA382C18
candidate division MSBL1 archaeon SCGC−AAA382F02
candidate division MSBL1 archaeon SCGC−AAA382M17
candidate division MSBL1 archaeon SCGC−AAA382N08
candidate division MSBL1 archaeon SCGC−AAA385D11
candidate division MSBL1 archaeon SCGC−AAA385M02
candidate division MSBL1 archaeon SCGC−AAA833F18
candidate division MSBL1 archaeon SCGC−AAA833K04
Candidatus Acidianus copahuensis
Candidatus Aenigmarchaeota archaeon
Candidatus Aenigmarchaeota archaeon CG_4_10_14_0_8_um_filter_37_24
Candidatus Aenigmarchaeota archaeon CG_4_10_14_3_um_filter_37_21
Candidatus Aenigmarchaeota archaeon CG_4_8_14_3_um_filter_37_24
Candidatus Aenigmarchaeota archaeon CG_4_9_14_3_um_filter_37_18
Candidatus Aenigmarchaeota archaeon CG01_land_8_20_14_3_00_37_9
Candidatus Aenigmarchaeota archaeon CG1_02_38_14
Candidatus Aenigmarchaeota archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_37_27
Candidatus Aenigmarchaeota archaeon ex4484_14
Candidatus Aenigmarchaeota archaeon ex4484_224
Candidatus Aenigmarchaeota archaeon ex4484_52
Candidatus Aenigmarchaeota archaeon ex4484_56
Candidatus Altiarchaeales archaeon
Candidatus Altiarchaeales archaeon A3
Candidatus Altiarchaeales archaeon ex4484_2
Candidatus Altiarchaeales archaeon ex4484_43
Candidatus Altiarchaeales archaeon ex4484_96
Candidatus Altiarchaeales archaeon HGW−Altiarchaeales−1
Candidatus Altiarchaeales archaeon HGW−Altiarchaeales−2
Candidatus Altiarchaeales archaeon IMC4
Candidatus Altiarchaeales archaeon WOR_SM1_79
Candidatus Altiarchaeales archaeon WOR_SM1_86−2
Candidatus Altiarchaeales archaeon WOR_SM1_SCG
Candidatus Altiarchaeum sp. CG_4_10_14_0_8_um_filter_32_851
Candidatus Altiarchaeum sp. CG_4_8_14_3_um_filter_33_2054
Candidatus Altiarchaeum sp. CG_4_9_14_0_8_um_filter_32_206
Candidatus Altiarchaeum sp. CG03_land_8_20_14_0_80_32_618
Candidatus Altiarchaeum sp. CG12_big_fil_rev_8_21_14_0_65_33_22
Candidatus Altiarchaeum sp. CG2_30_32_3053
Candidatus Aramenus sulfurataquae
Candidatus Argoarchaeum ethanivorans
Candidatus Bathyarchaeota archaeon
Candidatus Bathyarchaeota archaeon B23
Candidatus Bathyarchaeota archaeon B24
Candidatus Bathyarchaeota archaeon B24−2
Candidatus Bathyarchaeota archaeon B25
Candidatus Bathyarchaeota archaeon B26−1
Candidatus Bathyarchaeota archaeon B26−2
Candidatus Bathyarchaeota archaeon B63
Candidatus Bathyarchaeota archaeon BA1
Candidatus Bathyarchaeota archaeon BA2
Candidatus Bathyarchaeota archaeon CG_4_8_14_3_um_filter_42_8
Candidatus Bathyarchaeota archaeon CG07_land_8_20_14_0_80_47_9
Candidatus Bathyarchaeota archaeon ex4484_135
Candidatus Bathyarchaeota archaeon ex4484_205
Candidatus Bathyarchaeota archaeon ex4484_218
Candidatus Bathyarchaeota archaeon ex4484_231
Candidatus Bathyarchaeota archaeon ex4484_40
Candidatus Bathyarchaeota archaeon RBG_13_38_9
Candidatus Bathyarchaeota archaeon RBG_13_46_16b
Candidatus Bathyarchaeota archaeon RBG_13_52_12
Candidatus Bathyarchaeota archaeon RBG_13_60_20
Candidatus Bathyarchaeota archaeon RBG_16_48_13
Candidatus Bathyarchaeota archaeon RBG_16_57_9
Candidatus Caldiarchaeum subterraneum
Candidatus Diapherotrites archaeon
Candidatus Diapherotrites archaeon ADurb.Bin253
Candidatus Diapherotrites archaeon CG_4_10_14_0_2_um_filter_31_5
Candidatus Diapherotrites archaeon CG08_land_8_20_14_0_20_30_16
Candidatus Diapherotrites archaeon CG08_land_8_20_14_0_20_34_12
Candidatus Diapherotrites archaeon CG09_land_8_20_14_0_10_32_12
Candidatus Diapherotrites archaeon CG10_big_fil_rev_8_21_14_0_10_31_34
Candidatus Diapherotrites archaeon CG11_big_fil_rev_8_21_14_0_20_37_9
Candidatus Geothermarchaeota archaeon
Candidatus Geothermarchaeota archaeon ex4572_27
Candidatus Halobonum tyrrellensis
Candidatus Halobonum tyrrellensis G22
Candidatus Haloredivivus sp. G17
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Acetyltransf_1
GNAT_acetyltr_2
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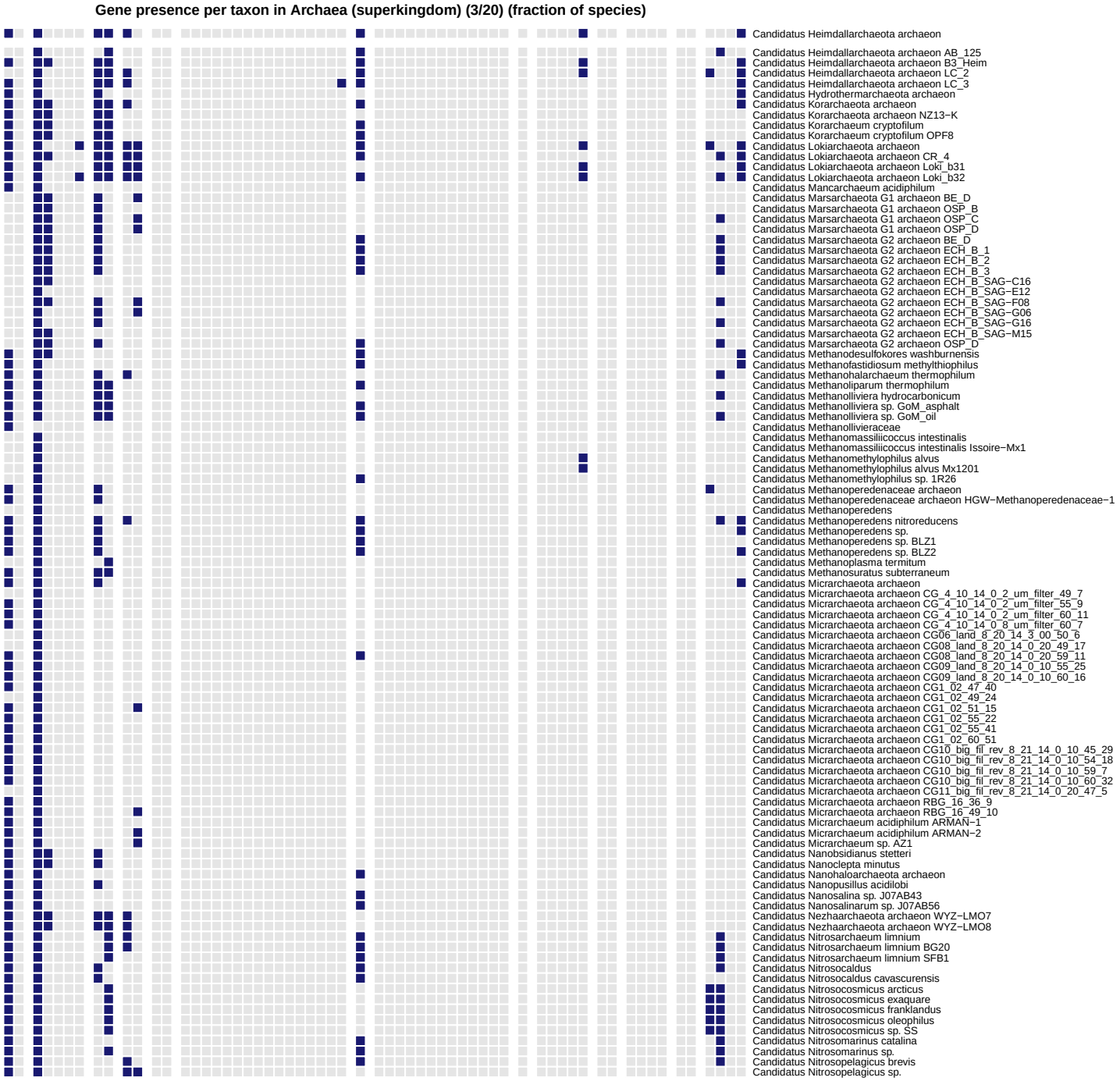
ADD_ATRX
BAH
Bromodomain
BIR
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (3/20) (fraction of species)
Candidatus Heimdallarchaeota archaeon
Candidatus Heimdallarchaeota archaeon AB_125
Candidatus Heimdallarchaeota archaeon B3_Heim
Candidatus Heimdallarchaeota archaeon LC_2
Candidatus Heimdallarchaeota archaeon LC_3
Candidatus Hydrothermarchaeota archaeon
Candidatus Korarchaeota archaeon
Candidatus Korarchaeota archaeon NZ13−K
Candidatus Korarchaeum cryptofilum
Candidatus Korarchaeum cryptofilum OPF8
Candidatus Lokiarchaeota archaeon
Candidatus Lokiarchaeota archaeon CR_4
Candidatus Lokiarchaeota archaeon Loki_b31
Candidatus Lokiarchaeota archaeon Loki_b32
Candidatus Mancarchaeum acidiphilum
Candidatus Marsarchaeota G1 archaeon BE_D
Candidatus Marsarchaeota G1 archaeon OSP_B
Candidatus Marsarchaeota G1 archaeon OSP_C
Candidatus Marsarchaeota G1 archaeon OSP_D
Candidatus Marsarchaeota G2 archaeon BE_D
Candidatus Marsarchaeota G2 archaeon ECH_B_1
Candidatus Marsarchaeota G2 archaeon ECH_B_2
Candidatus Marsarchaeota G2 archaeon ECH_B_3
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−C16
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−E12
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−F08
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−G06
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−G16
Candidatus Marsarchaeota G2 archaeon ECH_B_SAG−M15
Candidatus Marsarchaeota G2 archaeon OSP_D
Candidatus Methanodesulfokores washburnensis
Candidatus Methanofastidiosum methylthiophilus
Candidatus Methanohalarchaeum thermophilum
Candidatus Methanoliparum thermophilum
Candidatus Methanolliviera hydrocarbonicum
Candidatus Methanolliviera sp. GoM_asphalt
Candidatus Methanolliviera sp. GoM_oil
Candidatus Methanollivieraceae
Candidatus Methanomassiliicoccus intestinalis
Candidatus Methanomassiliicoccus intestinalis Issoire−Mx1
Candidatus Methanomethylophilus alvus
Candidatus Methanomethylophilus alvus Mx1201
Candidatus Methanomethylophilus sp. 1R26
Candidatus Methanoperedenaceae archaeon
Candidatus Methanoperedenaceae archaeon HGW−Methanoperedenaceae−1
Candidatus Methanoperedens
Candidatus Methanoperedens nitroreducens
Candidatus Methanoperedens sp.
Candidatus Methanoperedens sp. BLZ1
Candidatus Methanoperedens sp. BLZ2
Candidatus Methanoplasma termitum
Candidatus Methanosuratus subterraneum
Candidatus Micrarchaeota archaeon
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_49_7
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_55_9
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_60_11
Candidatus Micrarchaeota archaeon CG_4_10_14_0_8_um_filter_60_7
Candidatus Micrarchaeota archaeon CG06_land_8_20_14_3_00_50_6
Candidatus Micrarchaeota archaeon CG08_land_8_20_14_0_20_49_17
Candidatus Micrarchaeota archaeon CG08_land_8_20_14_0_20_59_11
Candidatus Micrarchaeota archaeon CG09_land_8_20_14_0_10_55_25
Candidatus Micrarchaeota archaeon CG09_land_8_20_14_0_10_60_16
Candidatus Micrarchaeota archaeon CG1_02_47_40
Candidatus Micrarchaeota archaeon CG1_02_49_24
Candidatus Micrarchaeota archaeon CG1_02_51_15
Candidatus Micrarchaeota archaeon CG1_02_55_22
Candidatus Micrarchaeota archaeon CG1_02_55_41
Candidatus Micrarchaeota archaeon CG1_02_60_51
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_29
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_54_18
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_59_7
Candidatus Micrarchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_60_32
Candidatus Micrarchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_47_5
Candidatus Micrarchaeota archaeon RBG_16_36_9
Candidatus Micrarchaeota archaeon RBG_16_49_10
Candidatus Micrarchaeum acidiphilum ARMAN−1
Candidatus Micrarchaeum acidiphilum ARMAN−2
Candidatus Micrarchaeum sp. AZ1
Candidatus Nanobsidianus stetteri
Candidatus Nanoclepta minutus
Candidatus Nanohaloarchaeota archaeon
Candidatus Nanopusillus acidilobi
Candidatus Nanosalina sp. J07AB43
Candidatus Nanosalinarum sp. J07AB56
Candidatus Nezhaarchaeota archaeon WYZ−LMO7
Candidatus Nezhaarchaeota archaeon WYZ−LMO8
Candidatus Nitrosarchaeum limnium
Candidatus Nitrosarchaeum limnium BG20
Candidatus Nitrosarchaeum limnium SFB1
Candidatus Nitrosocaldus
Candidatus Nitrosocaldus cavascurensis
Candidatus Nitrosocosmicus arcticus
Candidatus Nitrosocosmicus exaquare
Candidatus Nitrosocosmicus franklandus
Candidatus Nitrosocosmicus oleophilus
Candidatus Nitrosocosmicus sp. SS
Candidatus Nitrosomarinus catalina
Candidatus Nitrosomarinus sp.
Candidatus Nitrosopelagicus brevis
Candidatus Nitrosopelagicus sp.
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0.2
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SIR2
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DOT1
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SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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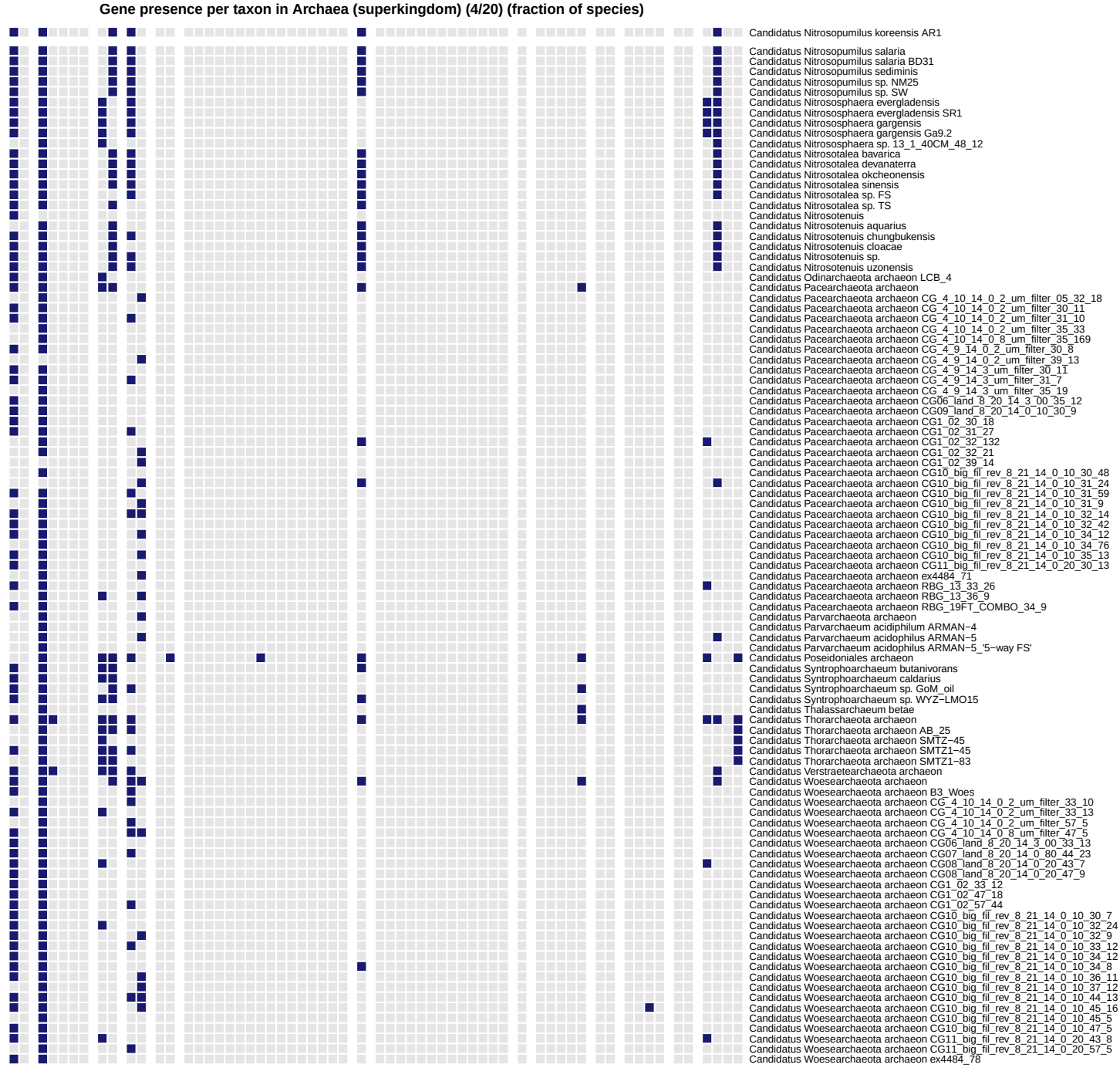
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN2_3
UBN2_H2B
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (4/20) (fraction of species)
Candidatus Nitrosopumilus koreensis AR1
Candidatus Nitrosopumilus salaria
Candidatus Nitrosopumilus salaria BD31
Candidatus Nitrosopumilus sediminis
Candidatus Nitrosopumilus sp. NM25
Candidatus Nitrosopumilus sp. SW
Candidatus Nitrososphaera evergladensis
Candidatus Nitrososphaera evergladensis SR1
Candidatus Nitrososphaera gargensis
Candidatus Nitrososphaera gargensis Ga9.2
Candidatus Nitrososphaera sp. 13_1_40CM_48_12
Candidatus Nitrosotalea bavarica
Candidatus Nitrosotalea devanaterra
Candidatus Nitrosotalea okcheonensis
Candidatus Nitrosotalea sinensis
Candidatus Nitrosotalea sp. FS
Candidatus Nitrosotalea sp. TS
Candidatus Nitrosotenuis
Candidatus Nitrosotenuis aquarius
Candidatus Nitrosotenuis chungbukensis
Candidatus Nitrosotenuis cloacae
Candidatus Nitrosotenuis sp.
Candidatus Nitrosotenuis uzonensis
Candidatus Odinarchaeota archaeon LCB_4
Candidatus Pacearchaeota archaeon
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_05_32_18
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_30_11
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_31_10
Candidatus Pacearchaeota archaeon CG_4_10_14_0_2_um_filter_35_33
Candidatus Pacearchaeota archaeon CG_4_10_14_0_8_um_filter_35_169
Candidatus Pacearchaeota archaeon CG_4_9_14_0_2_um_filter_30_8
Candidatus Pacearchaeota archaeon CG_4_9_14_0_2_um_filter_39_13
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_30_11
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_31_7
Candidatus Pacearchaeota archaeon CG_4_9_14_3_um_filter_35_19
Candidatus Pacearchaeota archaeon CG06_land_8_20_14_3_00_35_12
Candidatus Pacearchaeota archaeon CG09_land_8_20_14_0_10_30_9
Candidatus Pacearchaeota archaeon CG1_02_30_18
Candidatus Pacearchaeota archaeon CG1_02_31_27
Candidatus Pacearchaeota archaeon CG1_02_32_132
Candidatus Pacearchaeota archaeon CG1_02_32_21
Candidatus Pacearchaeota archaeon CG1_02_39_14
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_30_48
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_31_24
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Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_31_9
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Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_12
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_76
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_35_13
Candidatus Pacearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_30_13
Candidatus Pacearchaeota archaeon ex4484_71
Candidatus Pacearchaeota archaeon RBG_13_33_26
Candidatus Pacearchaeota archaeon RBG_13_36_9
Candidatus Pacearchaeota archaeon RBG_19FT_COMBO_34_9
Candidatus Parvarchaeota archaeon
Candidatus Parvarchaeum acidiphilum ARMAN−4
Candidatus Parvarchaeum acidophilus ARMAN−5
Candidatus Parvarchaeum acidophilus ARMAN−5_'5−way FS'
Candidatus Poseidoniales archaeon
Candidatus Syntrophoarchaeum butanivorans
Candidatus Syntrophoarchaeum caldarius
Candidatus Syntrophoarchaeum sp. GoM_oil
Candidatus Syntrophoarchaeum sp. WYZ−LMO15
Candidatus Thalassarchaeum betae
Candidatus Thorarchaeota archaeon
Candidatus Thorarchaeota archaeon AB_25
Candidatus Thorarchaeota archaeon SMTZ−45
Candidatus Thorarchaeota archaeon SMTZ1−45
Candidatus Thorarchaeota archaeon SMTZ1−83
Candidatus Verstraetearchaeota archaeon
Candidatus Woesearchaeota archaeon
Candidatus Woesearchaeota archaeon B3_Woes
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_33_10
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_33_13
Candidatus Woesearchaeota archaeon CG_4_10_14_0_2_um_filter_57_5
Candidatus Woesearchaeota archaeon CG_4_10_14_0_8_um_filter_47_5
Candidatus Woesearchaeota archaeon CG06_land_8_20_14_3_00_33_13
Candidatus Woesearchaeota archaeon CG07_land_8_20_14_0_80_44_23
Candidatus Woesearchaeota archaeon CG08_land_8_20_14_0_20_43_7
Candidatus Woesearchaeota archaeon CG08_land_8_20_14_0_20_47_9
Candidatus Woesearchaeota archaeon CG1_02_33_12
Candidatus Woesearchaeota archaeon CG1_02_47_18
Candidatus Woesearchaeota archaeon CG1_02_57_44
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_30_7
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_24
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_32_9
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_33_12
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_34_12
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Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_37_12
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_44_13
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_16
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_45_5
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_47_5
Candidatus Woesearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_43_8
Candidatus Woesearchaeota archaeon CG11_big_fil_rev_8_21_14_0_20_57_5
Candidatus Woesearchaeota archaeon ex4484_78
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KAT11
MOZ_SAS
Hist_deacetyl
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DOT1
SET
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
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PHD
PWWP
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TTD
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YEATS
zf−CW
SNF2_N
ASF1_hist_chap
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PA1
Menin
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PTIP
AF9
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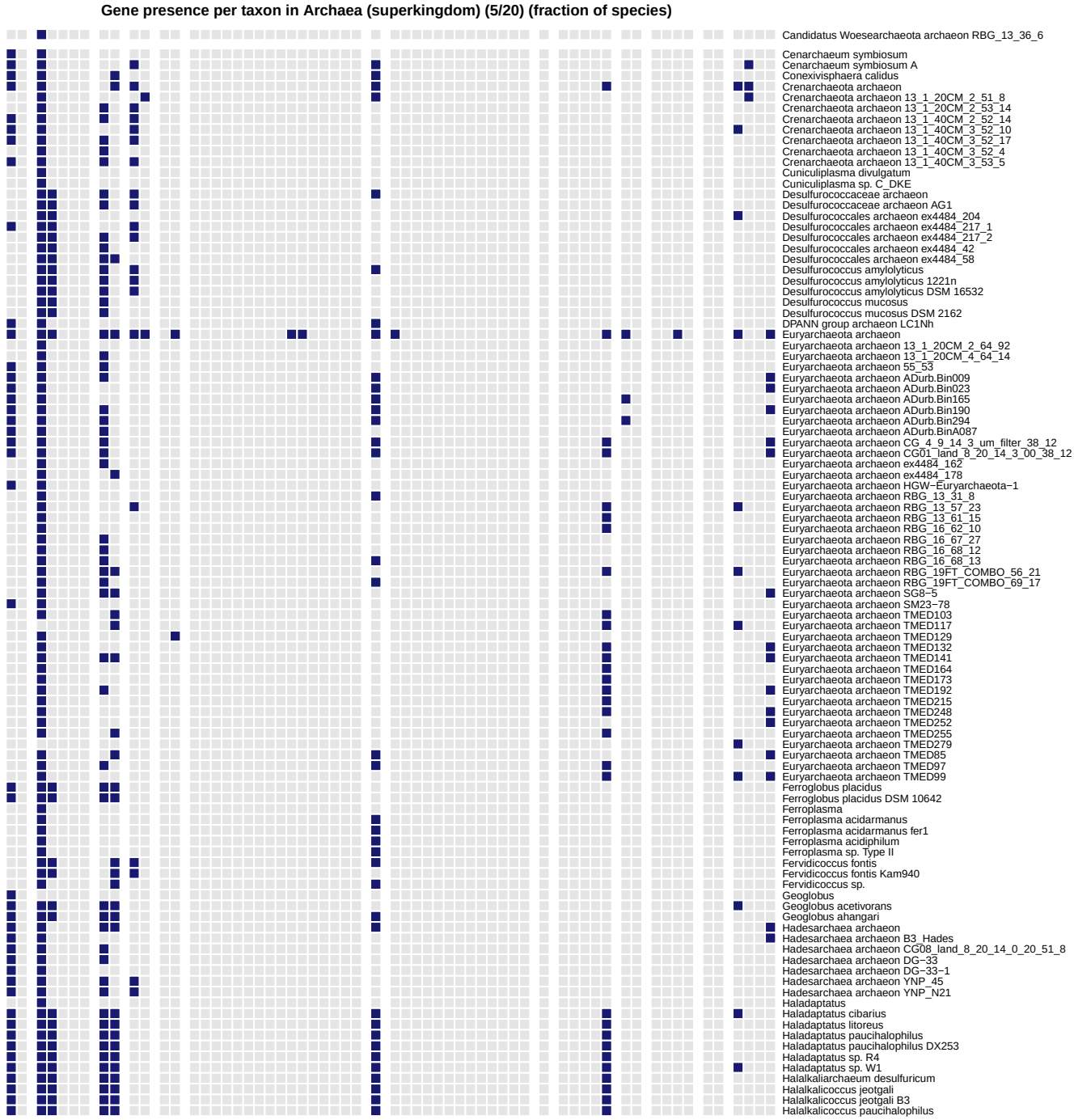
Gene presence per taxon in Archaea (superkingdom) (5/20) (fraction of species)
Candidatus Woesearchaeota archaeon RBG_13_36_6
Cenarchaeum symbiosum
Cenarchaeum symbiosum A
Conexivisphaera calidus
Crenarchaeota archaeon
Crenarchaeota archaeon 13_1_20CM_2_51_8
Crenarchaeota archaeon 13_1_20CM_2_53_14
Crenarchaeota archaeon 13_1_40CM_2_52_14
Crenarchaeota archaeon 13_1_40CM_3_52_10
Crenarchaeota archaeon 13_1_40CM_3_52_17
Crenarchaeota archaeon 13_1_40CM_3_52_4
Crenarchaeota archaeon 13_1_40CM_3_53_5
Cuniculiplasma divulgatum
Cuniculiplasma sp. C_DKE
Desulfurococcaceae archaeon
Desulfurococcaceae archaeon AG1
Desulfurococcales archaeon ex4484_204
Desulfurococcales archaeon ex4484_217_1
Desulfurococcales archaeon ex4484_217_2
Desulfurococcales archaeon ex4484_42
Desulfurococcales archaeon ex4484_58
Desulfurococcus amylolyticus
Desulfurococcus amylolyticus 1221n
Desulfurococcus amylolyticus DSM 16532
Desulfurococcus mucosus
Desulfurococcus mucosus DSM 2162
DPANN group archaeon LC1Nh
Euryarchaeota archaeon
Euryarchaeota archaeon 13_1_20CM_2_64_92
Euryarchaeota archaeon 13_1_20CM_4_64_14
Euryarchaeota archaeon 55_53
Euryarchaeota archaeon ADurb.Bin009
Euryarchaeota archaeon ADurb.Bin023
Euryarchaeota archaeon ADurb.Bin165
Euryarchaeota archaeon ADurb.Bin190
Euryarchaeota archaeon ADurb.Bin294
Euryarchaeota archaeon ADurb.BinA087
Euryarchaeota archaeon CG_4_9_14_3_um_filter_38_12
Euryarchaeota archaeon CG01_land_8_20_14_3_00_38_12
Euryarchaeota archaeon ex4484_162
Euryarchaeota archaeon ex4484_178
Euryarchaeota archaeon HGW−Euryarchaeota−1
Euryarchaeota archaeon RBG_13_31_8
Euryarchaeota archaeon RBG_13_57_23
Euryarchaeota archaeon RBG_13_61_15
Euryarchaeota archaeon RBG_16_62_10
Euryarchaeota archaeon RBG_16_67_27
Euryarchaeota archaeon RBG_16_68_12
Euryarchaeota archaeon RBG_16_68_13
Euryarchaeota archaeon RBG_19FT_COMBO_56_21
Euryarchaeota archaeon RBG_19FT_COMBO_69_17
Euryarchaeota archaeon SG8−5
Euryarchaeota archaeon SM23−78
Euryarchaeota archaeon TMED103
Euryarchaeota archaeon TMED117
Euryarchaeota archaeon TMED129
Euryarchaeota archaeon TMED132
Euryarchaeota archaeon TMED141
Euryarchaeota archaeon TMED164
Euryarchaeota archaeon TMED173
Euryarchaeota archaeon TMED192
Euryarchaeota archaeon TMED215
Euryarchaeota archaeon TMED248
Euryarchaeota archaeon TMED252
Euryarchaeota archaeon TMED255
Euryarchaeota archaeon TMED279
Euryarchaeota archaeon TMED85
Euryarchaeota archaeon TMED97
Euryarchaeota archaeon TMED99
Ferroglobus placidus
Ferroglobus placidus DSM 10642
Ferroplasma
Ferroplasma acidarmanus
Ferroplasma acidarmanus fer1
Ferroplasma acidiphilum
Ferroplasma sp. Type II
Fervidicoccus fontis
Fervidicoccus fontis Kam940
Fervidicoccus sp.
Geoglobus
Geoglobus acetivorans
Geoglobus ahangari
Hadesarchaea archaeon
Hadesarchaea archaeon B3_Hades
Hadesarchaea archaeon CG08_land_8_20_14_0_20_51_8
Hadesarchaea archaeon DG−33
Hadesarchaea archaeon DG−33−1
Hadesarchaea archaeon YNP_45
Hadesarchaea archaeon YNP_N21
Haladaptatus
Haladaptatus cibarius
Haladaptatus litoreus
Haladaptatus paucihalophilus
Haladaptatus paucihalophilus DX253
Haladaptatus sp. R4
Haladaptatus sp. W1
Halalkaliarchaeum desulfuricum
Halalkalicoccus jeotgali
Halalkalicoccus jeotgali B3
Halalkalicoccus paucihalophilus
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Hist_deacetyl
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DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
RRM_DDX56
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PTIP
NCOA6
Menin
Dpy−30
PA1
AF9
TRRAP
SLED
SAM
YAF2_RYBP
PCRing
CAF1C
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WD40
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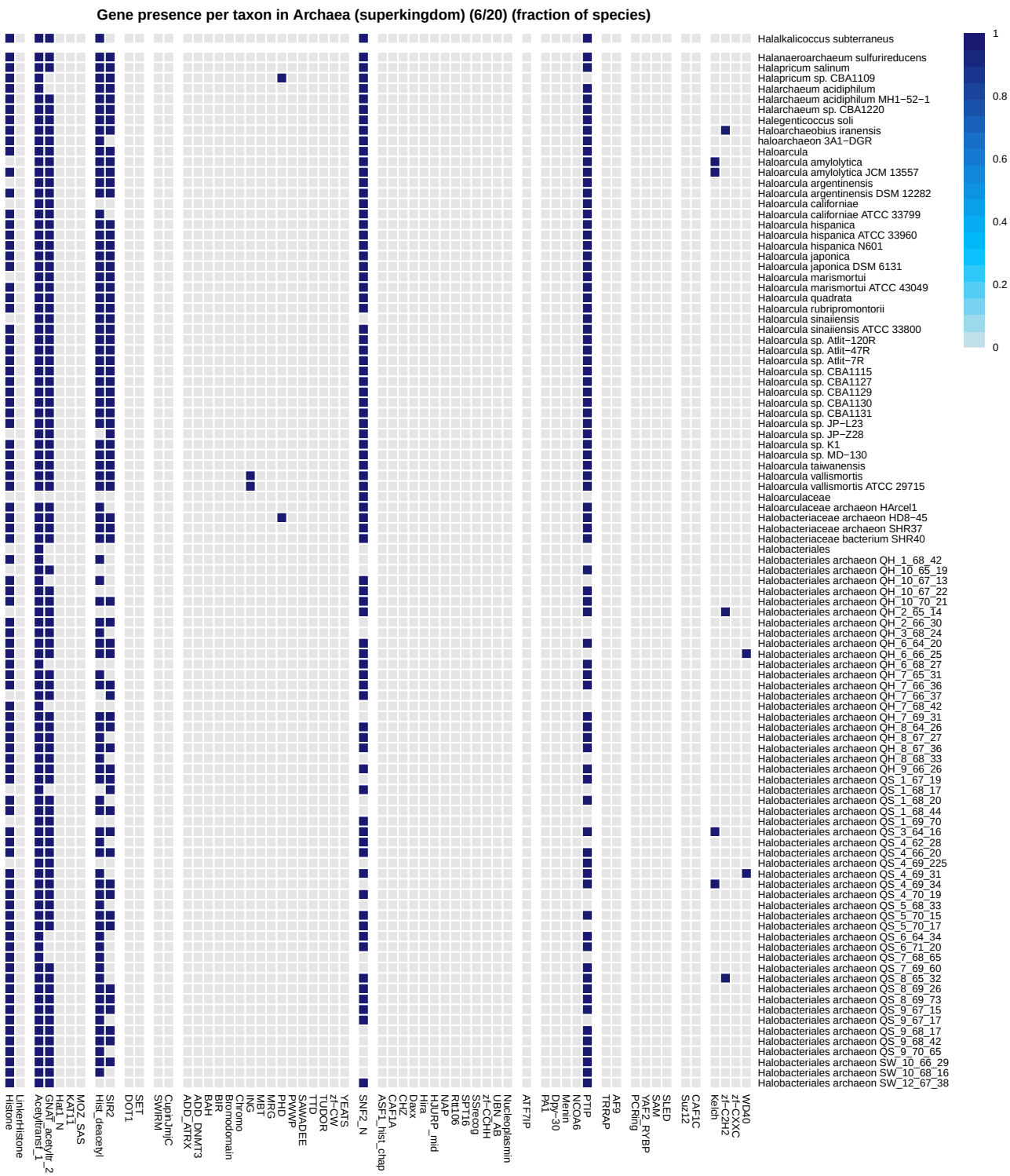
zf−C2H2
Kelch


Gene presence per taxon in Archaea (superkingdom) (6/20) (fraction of species)
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Halapricum sp. CBA1109
Halarchaeum acidiphilum
Halarchaeum acidiphilum MH1−52−1
Halarchaeum sp. CBA1220
Halegenticoccus soli
Haloarchaeobius iranensis
haloarchaeon 3A1−DGR
Haloarcula
Haloarcula amylolytica
Haloarcula amylolytica JCM 13557
Haloarcula argentinensis
Haloarcula argentinensis DSM 12282
Haloarcula californiae
Haloarcula californiae ATCC 33799
Haloarcula hispanica
Haloarcula hispanica ATCC 33960
Haloarcula hispanica N601
Haloarcula japonica
Haloarcula japonica DSM 6131
Haloarcula marismortui
Haloarcula marismortui ATCC 43049
Haloarcula quadrata
Haloarcula rubripromontorii
Haloarcula sinaiiensis
Haloarcula sinaiiensis ATCC 33800
Haloarcula sp. Atlit−120R
Haloarcula sp. Atlit−47R
Haloarcula sp. Atlit−7R
Haloarcula sp. CBA1115
Haloarcula sp. CBA1127
Haloarcula sp. CBA1129
Haloarcula sp. CBA1130
Haloarcula sp. CBA1131
Haloarcula sp. JP−L23
Haloarcula sp. JP−Z28
Haloarcula sp. K1
Haloarcula sp. MD−130
Haloarcula taiwanensis
Haloarcula vallismortis
Haloarcula vallismortis ATCC 29715
Haloarculaceae
Haloarculaceae archaeon HArcel1
Halobacteriaceae archaeon HD8−45
Halobacteriaceae archaeon SHR37
Halobacteriaceae bacterium SHR40
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Halobacteriales archaeon QH_1_68_42
Halobacteriales archaeon QH_10_65_19
Halobacteriales archaeon QH_10_67_13
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Halobacteriales archaeon QH_10_70_21
Halobacteriales archaeon QH_2_65_14
Halobacteriales archaeon QH_2_66_30
Halobacteriales archaeon QH_3_68_24
Halobacteriales archaeon QH_6_64_20
Halobacteriales archaeon QH_6_66_25
Halobacteriales archaeon QH_6_68_27
Halobacteriales archaeon QH_7_65_31
Halobacteriales archaeon QH_7_66_36
Halobacteriales archaeon QH_7_66_37
Halobacteriales archaeon QH_7_68_42
Halobacteriales archaeon QH_7_69_31
Halobacteriales archaeon QH_8_64_26
Halobacteriales archaeon QH_8_67_27
Halobacteriales archaeon QH_8_67_36
Halobacteriales archaeon QH_8_68_33
Halobacteriales archaeon QH_9_66_26
Halobacteriales archaeon QS_1_67_19
Halobacteriales archaeon QS_1_68_17
Halobacteriales archaeon QS_1_68_20
Halobacteriales archaeon QS_1_68_44
Halobacteriales archaeon QS_1_69_70
Halobacteriales archaeon QS_3_64_16
Halobacteriales archaeon QS_4_62_28
Halobacteriales archaeon QS_4_66_20
Halobacteriales archaeon QS_4_69_225
Halobacteriales archaeon QS_4_69_31
Halobacteriales archaeon QS_4_69_34
Halobacteriales archaeon QS_4_70_19
Halobacteriales archaeon QS_5_68_33
Halobacteriales archaeon QS_5_70_15
Halobacteriales archaeon QS_5_70_17
Halobacteriales archaeon QS_6_64_34
Halobacteriales archaeon QS_6_71_20
Halobacteriales archaeon QS_7_68_65
Halobacteriales archaeon QS_7_69_60
Halobacteriales archaeon QS_8_65_32
Halobacteriales archaeon QS_8_69_26
Halobacteriales archaeon QS_8_69_73
Halobacteriales archaeon QS_9_67_15
Halobacteriales archaeon QS_9_67_17
Halobacteriales archaeon QS_9_68_17
Halobacteriales archaeon QS_9_68_42
Halobacteriales archaeon QS_9_70_65
Halobacteriales archaeon SW_10_66_29
Halobacteriales archaeon SW_10_68_16
Halobacteriales archaeon SW_12_67_38
Histone
LinkerHistone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
DOT1
SET
SWIRM
Cupin_1
JmjC
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
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MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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SIR2
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSRP1
zf−CCHH
Nucleoplasmin
UBN_AB
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
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SLED
Suz12
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zf−C2H2
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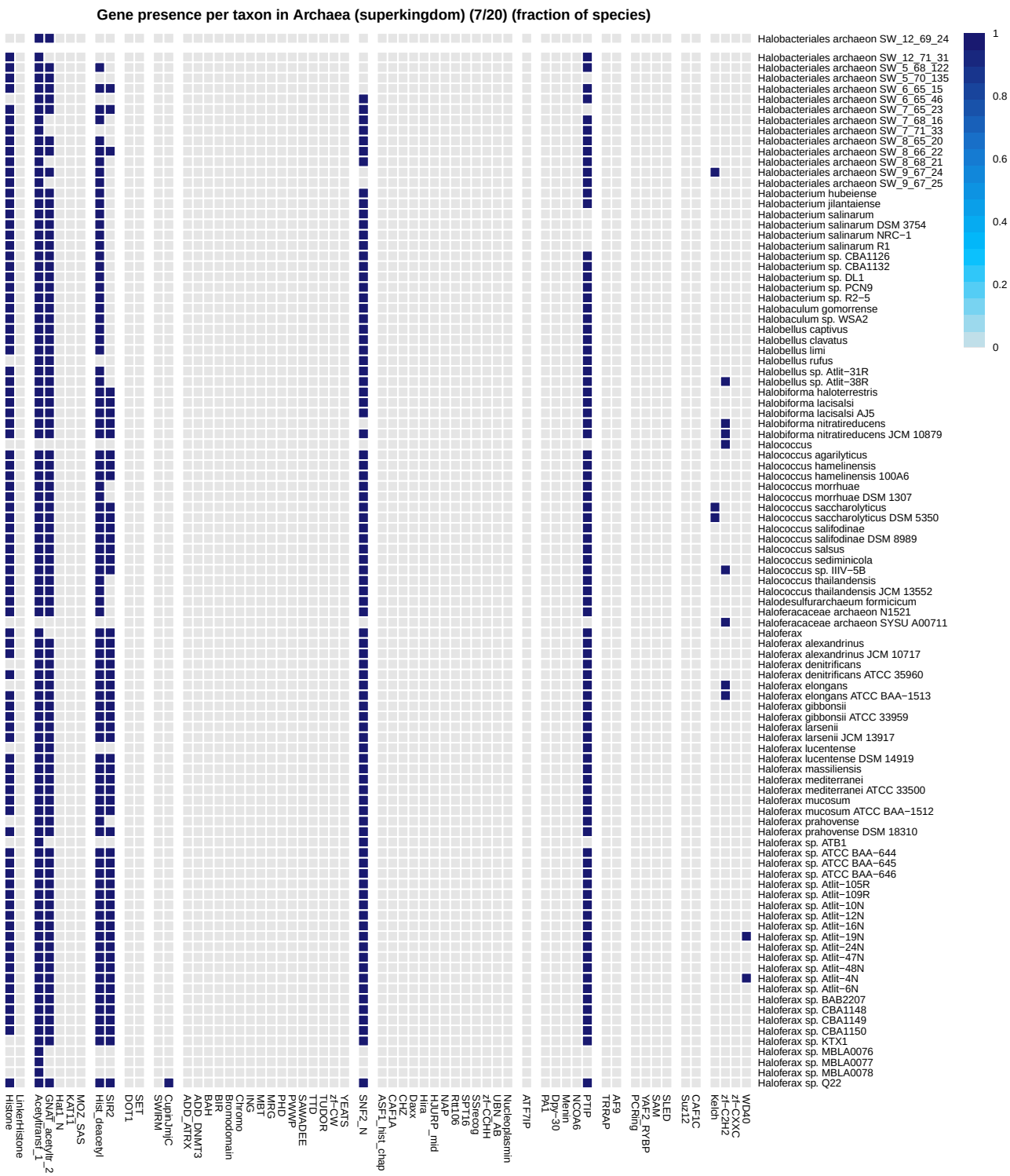
WD40


Gene presence per taxon in Archaea (superkingdom) (7/20) (fraction of species)
Halobacteriales archaeon SW_12_69_24
Halobacteriales archaeon SW_12_71_31
Halobacteriales archaeon SW_5_68_122
Halobacteriales archaeon SW_5_70_135
Halobacteriales archaeon SW_6_65_15
Halobacteriales archaeon SW_6_65_46
Halobacteriales archaeon SW_7_65_23
Halobacteriales archaeon SW_7_68_16
Halobacteriales archaeon SW_7_71_33
Halobacteriales archaeon SW_8_65_20
Halobacteriales archaeon SW_8_66_22
Halobacteriales archaeon SW_8_68_21
Halobacteriales archaeon SW_9_67_24
Halobacteriales archaeon SW_9_67_25
Halobacterium hubeiense
Halobacterium jilantaiense
Halobacterium salinarum
Halobacterium salinarum DSM 3754
Halobacterium salinarum NRC−1
Halobacterium salinarum R1
Halobacterium sp. CBA1126
Halobacterium sp. CBA1132
Halobacterium sp. DL1
Halobacterium sp. PCN9
Halobacterium sp. R2−5
Halobaculum gomorrense
Halobaculum sp. WSA2
Halobellus captivus
Halobellus clavatus
Halobellus limi
Halobellus rufus
Halobellus sp. Atlit−31R
Halobellus sp. Atlit−38R
Halobiforma haloterrestris
Halobiforma lacisalsi
Halobiforma lacisalsi AJ5
Halobiforma nitratireducens
Halobiforma nitratireducens JCM 10879
Halococcus
Halococcus agarilyticus
Halococcus hamelinensis
Halococcus hamelinensis 100A6
Halococcus morrhuae
Halococcus morrhuae DSM 1307
Halococcus saccharolyticus
Halococcus saccharolyticus DSM 5350
Halococcus salifodinae
Halococcus salifodinae DSM 8989
Halococcus salsus
Halococcus sediminicola
Halococcus sp. IIIV−5B
Halococcus thailandensis
Halococcus thailandensis JCM 13552
Halodesulfurarchaeum formicicum
Haloferacaceae archaeon N1521
Haloferacaceae archaeon SYSU A00711
Haloferax
Haloferax alexandrinus
Haloferax alexandrinus JCM 10717
Haloferax denitrificans
Haloferax denitrificans ATCC 35960
Haloferax elongans
Haloferax elongans ATCC BAA−1513
Haloferax gibbonsii
Haloferax gibbonsii ATCC 33959
Haloferax larsenii
Haloferax larsenii JCM 13917
Haloferax lucentense
Haloferax lucentense DSM 14919
Haloferax massiliensis
Haloferax mediterranei
Haloferax mediterranei ATCC 33500
Haloferax mucosum
Haloferax mucosum ATCC BAA−1512
Haloferax prahovense
Haloferax prahovense DSM 18310
Haloferax sp. ATB1
Haloferax sp. ATCC BAA−644
Haloferax sp. ATCC BAA−645
Haloferax sp. ATCC BAA−646
Haloferax sp. Atlit−105R
Haloferax sp. Atlit−109R
Haloferax sp. Atlit−10N
Haloferax sp. Atlit−12N
Haloferax sp. Atlit−16N
Haloferax sp. Atlit−19N
Haloferax sp. Atlit−24N
Haloferax sp. Atlit−47N
Haloferax sp. Atlit−48N
Haloferax sp. Atlit−4N
Haloferax sp. Atlit−6N
Haloferax sp. BAB2207
Haloferax sp. CBA1148
Haloferax sp. CBA1149
Haloferax sp. CBA1150
Haloferax sp. KTX1
Haloferax sp. MBLA0076
Haloferax sp. MBLA0077
Haloferax sp. MBLA0078
Haloferax sp. Q22
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0.6
0.4
0.2
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Histone
LinkerHistone
Acetyltransf_1
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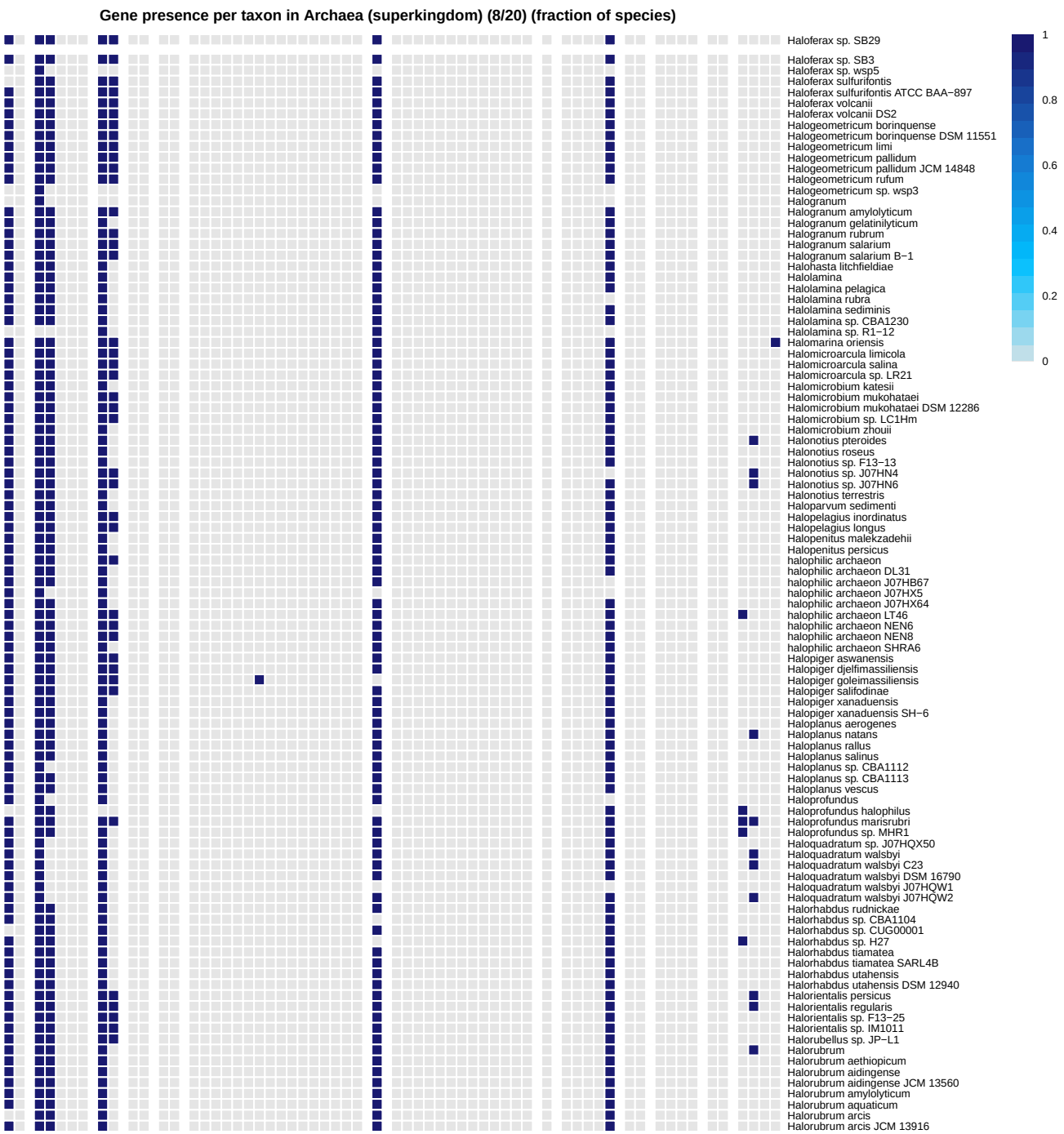
Hat1_N
KAT11
MOZ_SAS
HisI_deacetyl
SIR2
SET
DOT1
SWIRM
Cupin_1
mC
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSRP1
zf−CCHH
UBN_AB
Nucleoplasmin
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (8/20) (fraction of species)
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0.8
0.6
0.4
0.2
0
Haloferax sp. SB29
Haloferax sp. SB3
Haloferax sp. wsp5
Haloferax sulfurifontis
Haloferax sulfurifontis ATCC BAA−897
Haloferax volcanii
Haloferax volcanii DS2
Halogeometricum borinquense
Halogeometricum borinquense DSM 11551
Halogeometricum limi
Halogeometricum pallidum
Halogeometricum pallidum JCM 14848
Halogeometricum rufum
Halogeometricum sp. wsp3
Halogranum
Halogranum amylolyticum
Halogranum gelatinilyticum
Halogranum rubrum
Halogranum salarium
Halogranum salarium B−1
Halohasta litchfieldiae
Halolamina
Halolamina pelagica
Halolamina rubra
Halolamina sediminis
Halolamina sp. CBA1230
Halolamina sp. R1−12
Halomarina oriensis
Halomicroarcula limicola
Halomicroarcula salina
Halomicroarcula sp. LR21
Halomicrobium katesii
Halomicrobium mukohataei
Halomicrobium mukohataei DSM 12286
Halomicrobium sp. LC1Hm
Halomicrobium zhouii
Halonotius pteroides
Halonotius roseus
Halonotius sp. F13−13
Halonotius sp. J07HN4
Halonotius sp. J07HN6
Halonotius terrestris
Haloparvum sedimenti
Halopelagius inordinatus
Halopelagius longus
Halopenitus malekzadehii
Halopenitus persicus
halophilic archaeon
halophilic archaeon DL31
halophilic archaeon J07HB67
halophilic archaeon J07HX5
halophilic archaeon J07HX64
halophilic archaeon LT46
halophilic archaeon NEN6
halophilic archaeon NEN8
halophilic archaeon SHRA6
Halopiger aswanensis
Halopiger djelfimassiliensis
Halopiger goleimassiliensis
Halopiger salifodinae
Halopiger xanaduensis
Halopiger xanaduensis SH−6
Haloplanus aerogenes
Haloplanus natans
Haloplanus rallus
Haloplanus salinus
Haloplanus sp. CBA1112
Haloplanus sp. CBA1113
Haloplanus vescus
Haloprofundus
Haloprofundus halophilus
Haloprofundus marisrubri
Haloprofundus sp. MHR1
Haloquadratum sp. J07HQX50
Haloquadratum walsbyi
Haloquadratum walsbyi C23
Haloquadratum walsbyi DSM 16790
Haloquadratum walsbyi J07HQW1
Haloquadratum walsbyi J07HQW2
Halorhabdus rudnickae
Halorhabdus sp. CBA1104
Halorhabdus sp. CUG00001
Halorhabdus sp. H27
Halorhabdus tiamatea
Halorhabdus tiamatea SARL4B
Halorhabdus utahensis
Halorhabdus utahensis DSM 12940
Halorientalis persicus
Halorientalis regularis
Halorientalis sp. F13−25
Halorientalis sp. IM1011
Halorubellus sp. JP−L1
Halorubrum
Halorubrum aethiopicum
Halorubrum aidingense
Halorubrum aidingense JCM 13560
Halorubrum amylolyticum
Halorubrum aquaticum
Halorubrum arcis
Halorubrum arcis JCM 13916
LinkerHistone
Histone
GNAT_acetyltr_2
Acetyltransf_1
HatI_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
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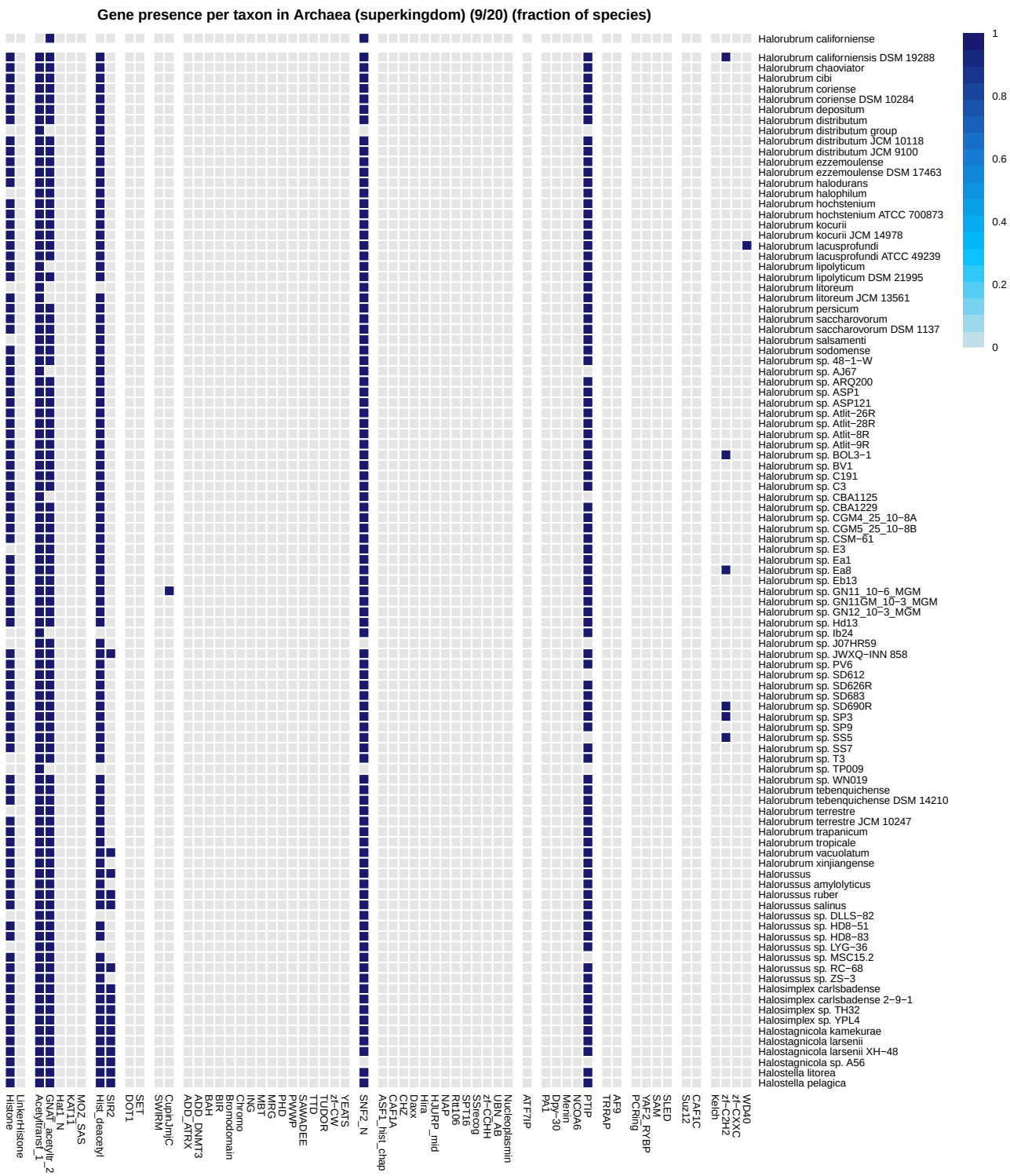
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (9/20) (fraction of species)
Halorubrum californiense
Halorubrum californiensis DSM 19288
Halorubrum chaoviator
Halorubrum cibi
Halorubrum coriense
Halorubrum coriense DSM 10284
Halorubrum depositum
Halorubrum distributum
Halorubrum distributum group
Halorubrum distributum JCM 10118
Halorubrum distributum JCM 9100
Halorubrum ezzemoulense
Halorubrum ezzemoulense DSM 17463
Halorubrum halodurans
Halorubrum halophilum
Halorubrum hochstenium
Halorubrum hochstenium ATCC 700873
Halorubrum kocurii
Halorubrum kocurii JCM 14978
Halorubrum lacusprofundi
Halorubrum lacusprofundi ATCC 49239
Halorubrum lipolyticum
Halorubrum lipolyticum DSM 21995
Halorubrum litoreum
Halorubrum litoreum JCM 13561
Halorubrum persicum
Halorubrum saccharovorum
Halorubrum saccharovorum DSM 1137
Halorubrum salsamenti
Halorubrum sodomense
Halorubrum sp. 48−1−W
Halorubrum sp. AJ67
Halorubrum sp. ARQ200
Halorubrum sp. ASP1
Halorubrum sp. ASP121
Halorubrum sp. Atlit−26R
Halorubrum sp. Atlit−28R
Halorubrum sp. Atlit−8R
Halorubrum sp. Atlit−9R
Halorubrum sp. BOL3−1
Halorubrum sp. BV1
Halorubrum sp. C191
Halorubrum sp. C3
Halorubrum sp. CBA1125
Halorubrum sp. CBA1229
Halorubrum sp. CGM4_25_10−8A
Halorubrum sp. CGM5_25_10−8B
Halorubrum sp. CSM−61
Halorubrum sp. E3
Halorubrum sp. Ea1
Halorubrum sp. Ea8
Halorubrum sp. Eb13
Halorubrum sp. GN11_10−6_MGM
Halorubrum sp. GN11GM_10−3_MGM
Halorubrum sp. GN12_10−3_MGM
Halorubrum sp. Hd13
Halorubrum sp. Ib24
Halorubrum sp. J07HR59
Halorubrum sp. JWXQ−INN 858
Halorubrum sp. PV6
Halorubrum sp. SD612
Halorubrum sp. SD626R
Halorubrum sp. SD683
Halorubrum sp. SD690R
Halorubrum sp. SP3
Halorubrum sp. SP9
Halorubrum sp. SS5
Halorubrum sp. SS7
Halorubrum sp. T3
Halorubrum sp. TP009
Halorubrum sp. WN019
Halorubrum tebenquichense
Halorubrum tebenquichense DSM 14210
Halorubrum terrestre
Halorubrum terrestre JCM 10247
Halorubrum trapanicum
Halorubrum tropicale
Halorubrum vacuolatum
Halorubrum xinjiangense
Halorussus
Halorussus amylolyticus
Halorussus ruber
Halorussus salinus
Halorussus sp. DLLS−82
Halorussus sp. HD8−51
Halorussus sp. HD8−83
Halorussus sp. LYG−36
Halorussus sp. MSC15.2
Halorussus sp. RC−68
Halorussus sp. ZS−3
Halosimplex carlsbadense
Halosimplex carlsbadense 2−9−1
Halosimplex sp. TH32
Halosimplex sp. YPL4
Halostagnicola kamekurae
Halostagnicola larsenii
Halostagnicola larsenii XH−48
Halostagnicola sp. A56
Halostella litorea
Halostella pelagica
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0.4
0.2
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Histone
LinkerHistone
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Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
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CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrcognig
zf−CCHH
Nucleoplasmin
LEN_AB
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
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Kelch
zf−C2H2
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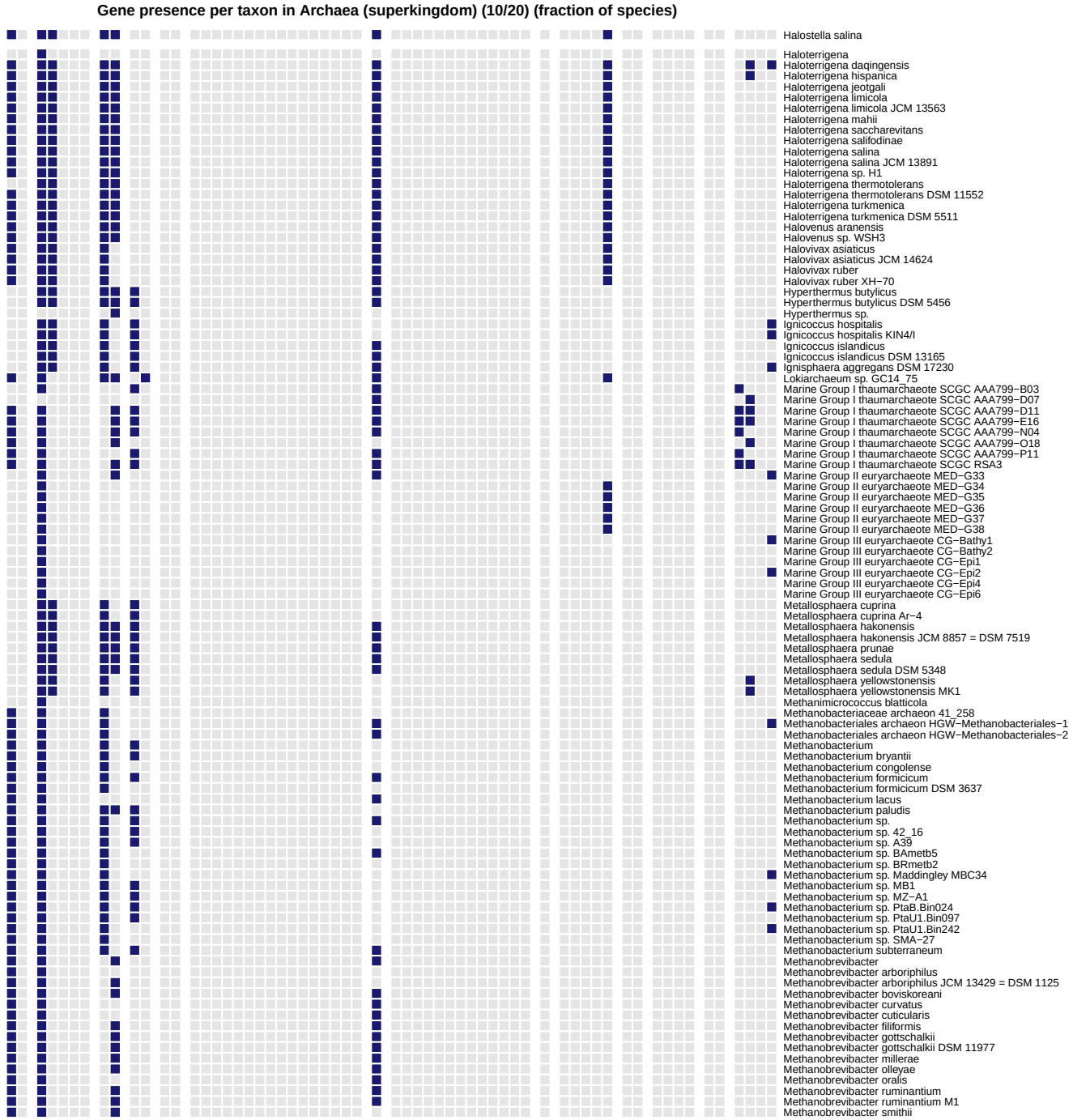
WD40


Gene presence per taxon in Archaea (superkingdom) (10/20) (fraction of species)
Halostella salina
Haloterrigena
Haloterrigena daqingensis
Haloterrigena hispanica
Haloterrigena jeotgali
Haloterrigena limicola
Haloterrigena limicola JCM 13563
Haloterrigena mahii
Haloterrigena saccharevitans
Haloterrigena salifodinae
Haloterrigena salina
Haloterrigena salina JCM 13891
Haloterrigena sp. H1
Haloterrigena thermotolerans
Haloterrigena thermotolerans DSM 11552
Haloterrigena turkmenica
Haloterrigena turkmenica DSM 5511
Halovenus aranensis
Halovenus sp. WSH3
Halovivax asiaticus
Halovivax asiaticus JCM 14624
Halovivax ruber
Halovivax ruber XH−70
Hyperthermus butylicus
Hyperthermus butylicus DSM 5456
Hyperthermus sp.
Ignicoccus hospitalis
Ignicoccus hospitalis KIN4/I
Ignicoccus islandicus
Ignicoccus islandicus DSM 13165
Ignisphaera aggregans DSM 17230
Lokiarchaeum sp. GC14_75
Marine Group I thaumarchaeote SCGC AAA799−B03
Marine Group I thaumarchaeote SCGC AAA799−D07
Marine Group I thaumarchaeote SCGC AAA799−D11
Marine Group I thaumarchaeote SCGC AAA799−E16
Marine Group I thaumarchaeote SCGC AAA799−N04
Marine Group I thaumarchaeote SCGC AAA799−O18
Marine Group I thaumarchaeote SCGC AAA799−P11
Marine Group I thaumarchaeote SCGC RSA3
Marine Group II euryarchaeote MED−G33
Marine Group II euryarchaeote MED−G34
Marine Group II euryarchaeote MED−G35
Marine Group II euryarchaeote MED−G36
Marine Group II euryarchaeote MED−G37
Marine Group II euryarchaeote MED−G38
Marine Group III euryarchaeote CG−Bathy1
Marine Group III euryarchaeote CG−Bathy2
Marine Group III euryarchaeote CG−Epi1
Marine Group III euryarchaeote CG−Epi2
Marine Group III euryarchaeote CG−Epi4
Marine Group III euryarchaeote CG−Epi6
Metallosphaera cuprina
Metallosphaera cuprina Ar−4
Metallosphaera hakonensis
Metallosphaera hakonensis JCM 8857 = DSM 7519
Metallosphaera prunae
Metallosphaera sedula
Metallosphaera sedula DSM 5348
Metallosphaera yellowstonensis
Metallosphaera yellowstonensis MK1
Methanimicrococcus blatticola
Methanobacteriaceae archaeon 41_258
Methanobacteriales archaeon HGW−Methanobacteriales−1
Methanobacteriales archaeon HGW−Methanobacteriales−2
Methanobacterium
Methanobacterium bryantii
Methanobacterium congolense
Methanobacterium formicicum
Methanobacterium formicicum DSM 3637
Methanobacterium lacus
Methanobacterium paludis
Methanobacterium sp.
Methanobacterium sp. 42_16
Methanobacterium sp. A39
Methanobacterium sp. BAmetb5
Methanobacterium sp. BRmetb2
Methanobacterium sp. Maddingley MBC34
Methanobacterium sp. MB1
Methanobacterium sp. MZ−A1
Methanobacterium sp. PtaB.Bin024
Methanobacterium sp. PtaU1.Bin097
Methanobacterium sp. PtaU1.Bin242
Methanobacterium sp. SMA−27
Methanobacterium subterraneum
Methanobrevibacter
Methanobrevibacter arboriphilus
Methanobrevibacter arboriphilus JCM 13429 = DSM 1125
Methanobrevibacter boviskoreani
Methanobrevibacter curvatus
Methanobrevibacter cuticularis
Methanobrevibacter filiformis
Methanobrevibacter gottschalkii
Methanobrevibacter gottschalkii DSM 11977
Methanobrevibacter millerae
Methanobrevibacter olleyae
Methanobrevibacter oralis
Methanobrevibacter ruminantium
Methanobrevibacter ruminantium M1
Methanobrevibacter smithii
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0.6
0.4
0.2
0
LinkerHistone
Histone
MOZ_SAS
KAT11
Hat1_N
GNAT_acetyltr_2
Acetyltransf_1
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AAHB
ATF7IP
PA1
Dpy−30
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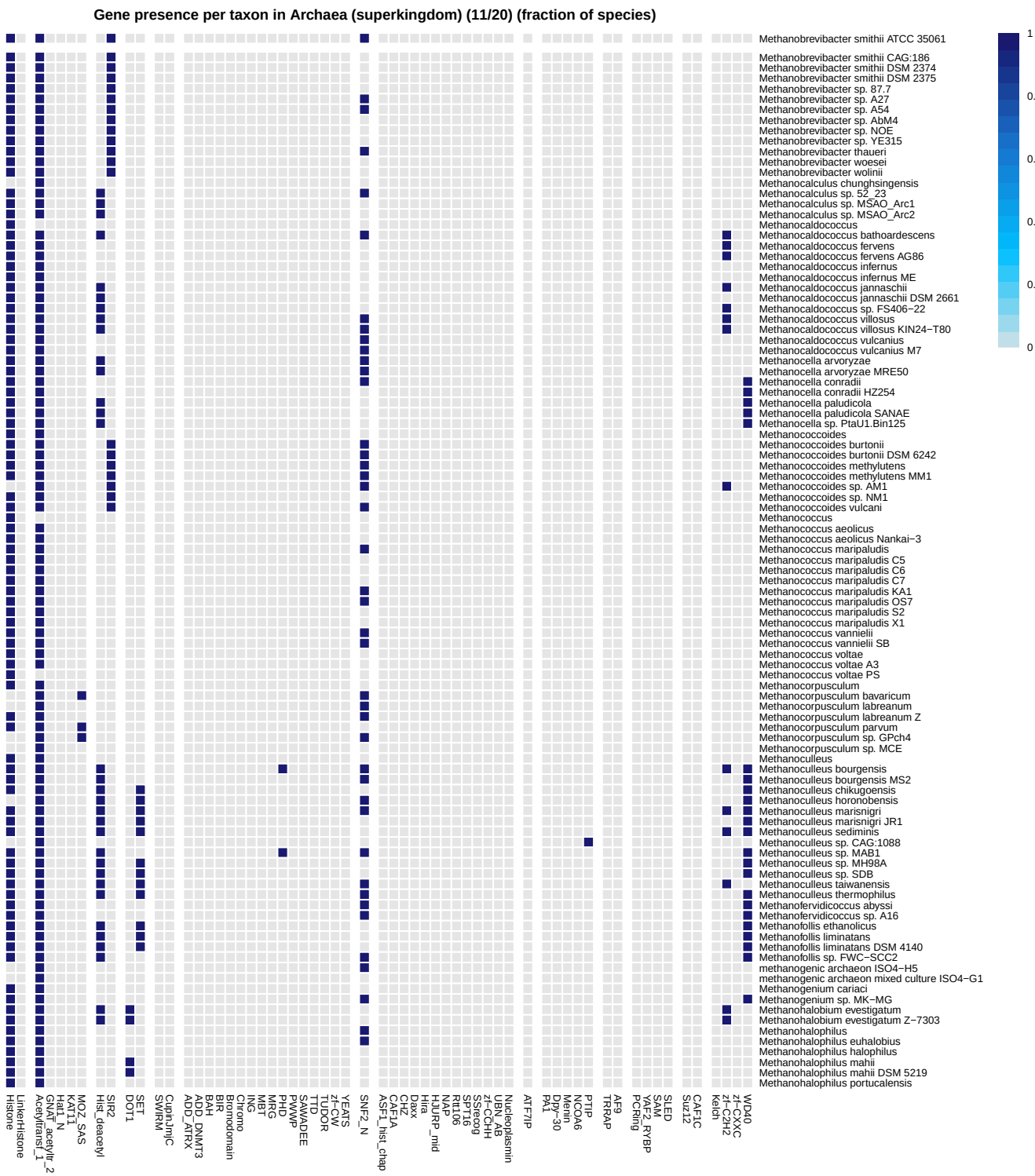
Gene presence per taxon in Archaea (superkingdom) (11/20) (fraction of species)
Methanobrevibacter smithii ATCC 35061
Methanobrevibacter smithii CAG:186
Methanobrevibacter smithii DSM 2374
Methanobrevibacter smithii DSM 2375
Methanobrevibacter sp. 87.7
Methanobrevibacter sp. A27
Methanobrevibacter sp. A54
Methanobrevibacter sp. AbM4
Methanobrevibacter sp. NOE
Methanobrevibacter sp. YE315
Methanobrevibacter thaueri
Methanobrevibacter woesei
Methanobrevibacter wolinii
Methanocalculus chunghsingensis
Methanocalculus sp. 52_23
Methanocalculus sp. MSAO_Arc1
Methanocalculus sp. MSAO_Arc2
Methanocaldococcus
Methanocaldococcus bathoardescens
Methanocaldococcus fervens
Methanocaldococcus fervens AG86
Methanocaldococcus infernus
Methanocaldococcus infernus ME
Methanocaldococcus jannaschii
Methanocaldococcus jannaschii DSM 2661
Methanocaldococcus sp. FS406−22
Methanocaldococcus villosus
Methanocaldococcus villosus KIN24−T80
Methanocaldococcus vulcanius
Methanocaldococcus vulcanius M7
Methanocella arvoryzae
Methanocella arvoryzae MRE50
Methanocella conradii
Methanocella conradii HZ254
Methanocella paludicola
Methanocella paludicola SANAE
Methanocella sp. PtaU1.Bin125
Methanococcoides
Methanococcoides burtonii
Methanococcoides burtonii DSM 6242
Methanococcoides methylutens
Methanococcoides methylutens MM1
Methanococcoides sp. AM1
Methanococcoides sp. NM1
Methanococcoides vulcani
Methanococcus
Methanococcus aeolicus
Methanococcus aeolicus Nankai−3
Methanococcus maripaludis
Methanococcus maripaludis C5
Methanococcus maripaludis C6
Methanococcus maripaludis C7
Methanococcus maripaludis KA1
Methanococcus maripaludis OS7
Methanococcus maripaludis S2
Methanococcus maripaludis X1
Methanococcus vannielii
Methanococcus vannielii SB
Methanococcus voltae
Methanococcus voltae A3
Methanococcus voltae PS
Methanocorpusculum
Methanocorpusculum bavaricum
Methanocorpusculum labreanum
Methanocorpusculum labreanum Z
Methanocorpusculum parvum
Methanocorpusculum sp. GPch4
Methanocorpusculum sp. MCE
Methanoculleus
Methanoculleus bourgensis
Methanoculleus bourgensis MS2
Methanoculleus chikugoensis
Methanoculleus horonobensis
Methanoculleus marisnigri
Methanoculleus marisnigri JR1
Methanoculleus sediminis
Methanoculleus sp. CAG:1088
Methanoculleus sp. MAB1
Methanoculleus sp. MH98A
Methanoculleus sp. SDB
Methanoculleus taiwanensis
Methanoculleus thermophilus
Methanofervidicoccus abyssi
Methanofervidicoccus sp. A16
Methanofollis ethanolicus
Methanofollis liminatans
Methanofollis liminatans DSM 4140
Methanofollis sp. FWC−SCC2
methanogenic archaeon ISO4−H5
methanogenic archaeon mixed culture ISO4−G1
Methanogenium cariaci
Methanogenium sp. MK−MG
Methanohalobium evestigatum
Methanohalobium evestigatum Z−7303
Methanohalophilus
Methanohalophilus euhalobius
Methanohalophilus halophilus
Methanohalophilus mahii
Methanohalophilus mahii DSM 5219
Methanohalophilus portucalensis
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Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
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BIR
Bromodomain
Chromo
CHROMO
MBT
MRG
NG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
AF9
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PCRing
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SAM
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Suz12
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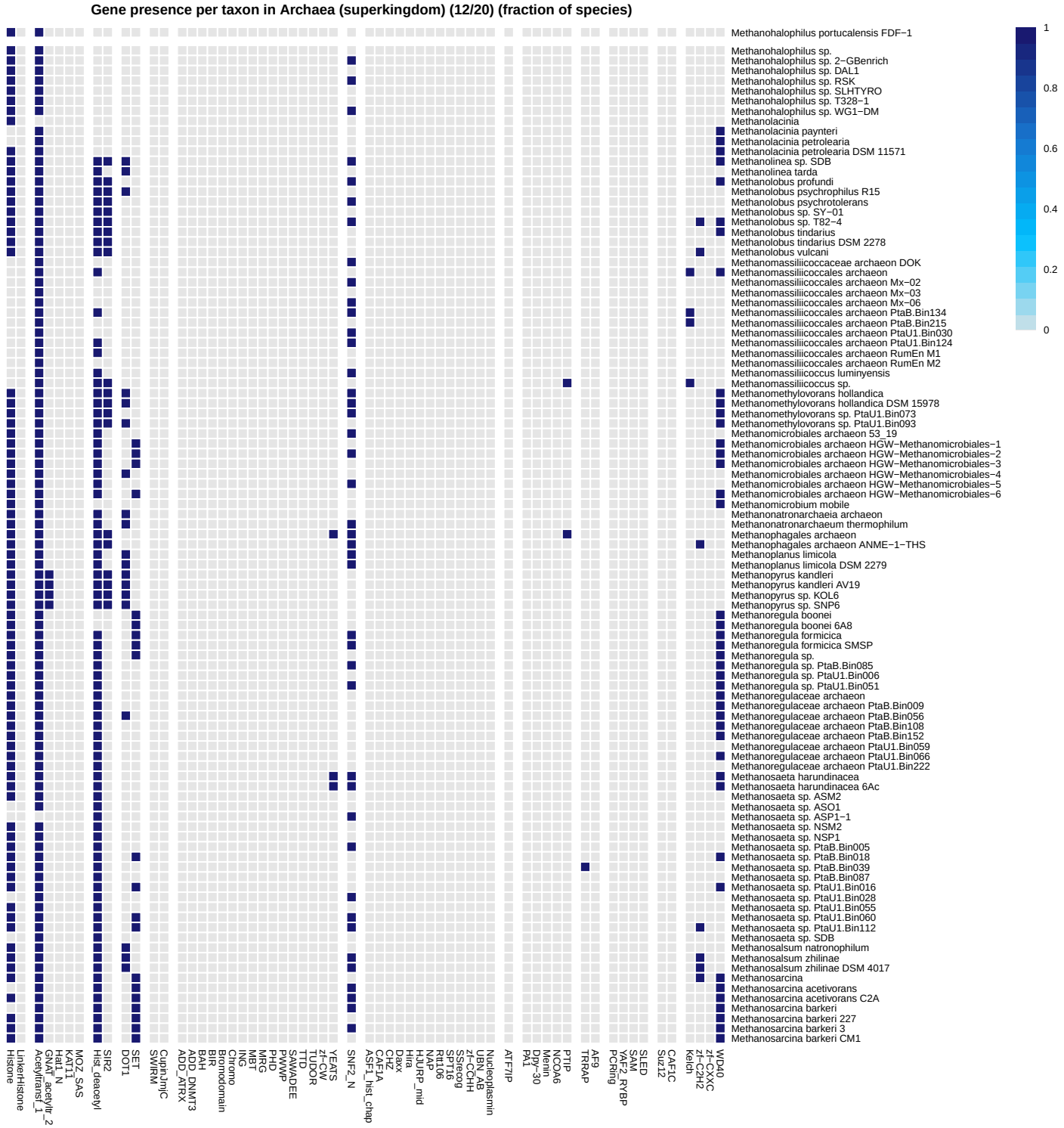
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (12/20) (fraction of species)
Methanohalophilus portucalensis FDF−1
Methanohalophilus sp.
Methanohalophilus sp. 2−GBenrich
Methanohalophilus sp. DAL1
Methanohalophilus sp. RSK
Methanohalophilus sp. SLHTYRO
Methanohalophilus sp. T328−1
Methanohalophilus sp. WG1−DM
Methanolacinia
Methanolacinia paynteri
Methanolacinia petrolearia
Methanolacinia petrolearia DSM 11571
Methanolinea sp. SDB
Methanolinea tarda
Methanolobus profundi
Methanolobus psychrophilus R15
Methanolobus psychrotolerans
Methanolobus sp. SY−01
Methanolobus sp. T82−4
Methanolobus tindarius
Methanolobus tindarius DSM 2278
Methanolobus vulcani
Methanomassiliicoccaceae archaeon DOK
Methanomassiliicoccales archaeon
Methanomassiliicoccales archaeon Mx−02
Methanomassiliicoccales archaeon Mx−03
Methanomassiliicoccales archaeon Mx−06
Methanomassiliicoccales archaeon PtaB.Bin134
Methanomassiliicoccales archaeon PtaB.Bin215
Methanomassiliicoccales archaeon PtaU1.Bin030
Methanomassiliicoccales archaeon PtaU1.Bin124
Methanomassiliicoccales archaeon RumEn M1
Methanomassiliicoccales archaeon RumEn M2
Methanomassiliicoccus luminyensis
Methanomassiliicoccus sp.
Methanomethylovorans hollandica
Methanomethylovorans hollandica DSM 15978
Methanomethylovorans sp. PtaU1.Bin073
Methanomethylovorans sp. PtaU1.Bin093
Methanomicrobiales archaeon 53_19
Methanomicrobiales archaeon HGW−Methanomicrobiales−1
Methanomicrobiales archaeon HGW−Methanomicrobiales−2
Methanomicrobiales archaeon HGW−Methanomicrobiales−3
Methanomicrobiales archaeon HGW−Methanomicrobiales−4
Methanomicrobiales archaeon HGW−Methanomicrobiales−5
Methanomicrobiales archaeon HGW−Methanomicrobiales−6
Methanomicrobium mobile
Methanonatronarchaeia archaeon
Methanonatronarchaeum thermophilum
Methanophagales archaeon
Methanophagales archaeon ANME−1−THS
Methanoplanus limicola
Methanoplanus limicola DSM 2279
Methanopyrus kandleri
Methanopyrus kandleri AV19
Methanopyrus sp. KOL6
Methanopyrus sp. SNP6
Methanoregula boonei
Methanoregula boonei 6A8
Methanoregula formicica
Methanoregula formicica SMSP
Methanoregula sp.
Methanoregula sp. PtaB.Bin085
Methanoregula sp. PtaU1.Bin006
Methanoregula sp. PtaU1.Bin051
Methanoregulaceae archaeon
Methanoregulaceae archaeon PtaB.Bin009
Methanoregulaceae archaeon PtaB.Bin056
Methanoregulaceae archaeon PtaB.Bin108
Methanoregulaceae archaeon PtaB.Bin152
Methanoregulaceae archaeon PtaU1.Bin059
Methanoregulaceae archaeon PtaU1.Bin066
Methanoregulaceae archaeon PtaU1.Bin222
Methanosaeta harundinacea
Methanosaeta harundinacea 6Ac
Methanosaeta sp. ASM2
Methanosaeta sp. ASO1
Methanosaeta sp. ASP1−1
Methanosaeta sp. NSM2
Methanosaeta sp. NSP1
Methanosaeta sp. PtaB.Bin005
Methanosaeta sp. PtaB.Bin018
Methanosaeta sp. PtaB.Bin039
Methanosaeta sp. PtaB.Bin087
Methanosaeta sp. PtaU1.Bin016
Methanosaeta sp. PtaU1.Bin028
Methanosaeta sp. PtaU1.Bin055
Methanosaeta sp. PtaU1.Bin060
Methanosaeta sp. PtaU1.Bin112
Methanosaeta sp. SDB
Methanosalsum natronophilum
Methanosalsum zhilinae
Methanosalsum zhilinae DSM 4017
Methanosarcina
Methanosarcina acetivorans
Methanosarcina acetivorans C2A
Methanosarcina barkeri
Methanosarcina barkeri 227
Methanosarcina barkeri 3
Methanosarcina barkeri CM1
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SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
RCC1
RTT106
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PAT
Menin
Dpy−30
NCOA6
PTIP
TRRAP
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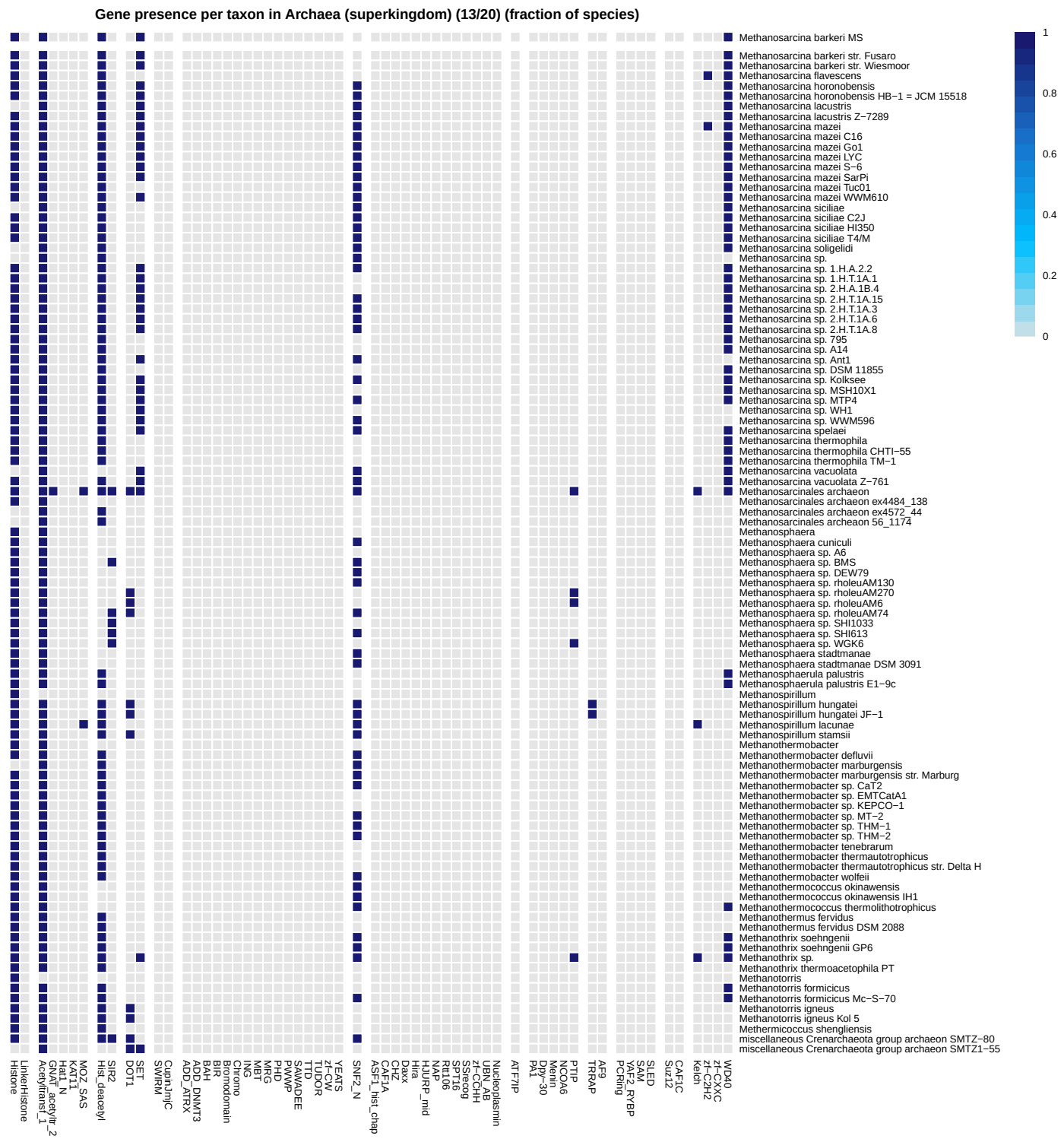
Gene presence per taxon in Archaea (superkingdom) (13/20) (fraction of species)
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Methanosarcina barkeri MS
Methanosarcina barkeri str. Fusaro
Methanosarcina barkeri str. Wiesmoor
Methanosarcina flavescens
Methanosarcina horonobensis
Methanosarcina horonobensis HB−1 = JCM 15518
Methanosarcina lacustris
Methanosarcina lacustris Z−7289
Methanosarcina mazei
Methanosarcina mazei C16
Methanosarcina mazei Go1
Methanosarcina mazei LYC
Methanosarcina mazei S−6
Methanosarcina mazei SarPi
Methanosarcina mazei Tuc01
Methanosarcina mazei WWM610
Methanosarcina siciliae
Methanosarcina siciliae C2J
Methanosarcina siciliae HI350
Methanosarcina siciliae T4/M
Methanosarcina soligelidi
Methanosarcina sp.
Methanosarcina sp. 1.H.A.2.2
Methanosarcina sp. 1.H.T.1A.1
Methanosarcina sp. 2.H.A.1B.4
Methanosarcina sp. 2.H.T.1A.15
Methanosarcina sp. 2.H.T.1A.3
Methanosarcina sp. 2.H.T.1A.6
Methanosarcina sp. 2.H.T.1A.8
Methanosarcina sp. 795
Methanosarcina sp. A14
Methanosarcina sp. Ant1
Methanosarcina sp. DSM 11855
Methanosarcina sp. Kolksee
Methanosarcina sp. MSH10X1
Methanosarcina sp. MTP4
Methanosarcina sp. WH1
Methanosarcina sp. WWM596
Methanosarcina spelaei
Methanosarcina thermophila
Methanosarcina thermophila CHTI−55
Methanosarcina thermophila TM−1
Methanosarcina vacuolata
Methanosarcina vacuolata Z−761
Methanosarcinales archaeon
Methanosarcinales archaeon ex4484_138
Methanosarcinales archaeon ex4572_44
Methanosarcinales archeaon 56_1174
Methanosphaera
Methanosphaera cuniculi
Methanosphaera sp. A6
Methanosphaera sp. BMS
Methanosphaera sp. DEW79
Methanosphaera sp. rholeuAM130
Methanosphaera sp. rholeuAM270
Methanosphaera sp. rholeuAM6
Methanosphaera sp. rholeuAM74
Methanosphaera sp. SHI1033
Methanosphaera sp. SHI613
Methanosphaera sp. WGK6
Methanosphaera stadtmanae
Methanosphaera stadtmanae DSM 3091
Methanosphaerula palustris
Methanosphaerula palustris E1−9c
Methanospirillum
Methanospirillum hungatei
Methanospirillum hungatei JF−1
Methanospirillum lacunae
Methanospirillum stamsii
Methanothermobacter
Methanothermobacter defluvii
Methanothermobacter marburgensis
Methanothermobacter marburgensis str. Marburg
Methanothermobacter sp. CaT2
Methanothermobacter sp. EMTCatA1
Methanothermobacter sp. KEPCO−1
Methanothermobacter sp. MT−2
Methanothermobacter sp. THM−1
Methanothermobacter sp. THM−2
Methanothermobacter tenebrarum
Methanothermobacter thermautotrophicus
Methanothermobacter thermautotrophicus str. Delta H
Methanothermobacter wolfeii
Methanothermococcus okinawensis
Methanothermococcus okinawensis IH1
Methanothermococcus thermolithotrophicus
Methanothermus fervidus
Methanothermus fervidus DSM 2088
Methanothrix soehngenii
Methanothrix soehngenii GP6
Methanothrix sp.
Methanothrix thermoacetophila PT
Methanotorris
Methanotorris formicicus
Methanotorris formicicus Mc−S−70
Methanotorris igneus
Methanotorris igneus Kol 5
Methermicoccus shengliensis
miscellaneous Crenarchaeota group archaeon SMTZ−80
miscellaneous Crenarchaeota group archaeon SMTZ1−55
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ADD_ATRX
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Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
ATF7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
AF9
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PCRing
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Suz12
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Kelch
zf−C2H2
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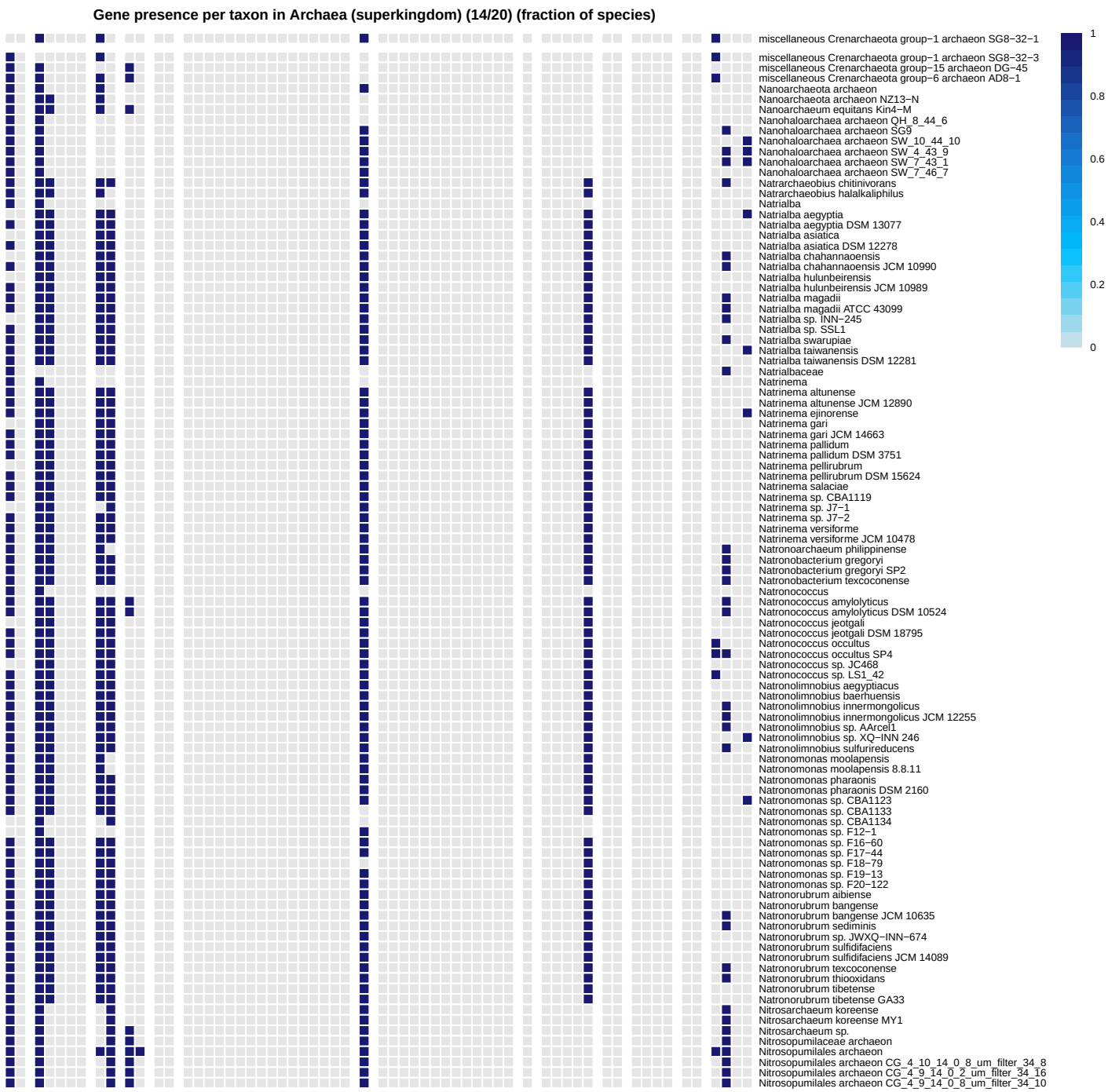
Gene presence per taxon in Archaea (superkingdom) (14/20) (fraction of species)
miscellaneous Crenarchaeota group−1 archaeon SG8−32−1
miscellaneous Crenarchaeota group−1 archaeon SG8−32−3
miscellaneous Crenarchaeota group−15 archaeon DG−45
miscellaneous Crenarchaeota group−6 archaeon AD8−1
Nanoarchaeota archaeon
Nanoarchaeota archaeon NZ13−N
Nanoarchaeum equitans Kin4−M
Nanohaloarchaea archaeon QH_8_44_6
Nanohaloarchaea archaeon SG9
Nanohaloarchaea archaeon SW_10_44_10
Nanohaloarchaea archaeon SW_4_43_9
Nanohaloarchaea archaeon SW_7_43_1
Nanohaloarchaea archaeon SW_7_46_7
Natrarchaeobius chitinivorans
Natrarchaeobius halalkaliphilus
Natrialba
Natrialba aegyptia
Natrialba aegyptia DSM 13077
Natrialba asiatica
Natrialba asiatica DSM 12278
Natrialba chahannaoensis
Natrialba chahannaoensis JCM 10990
Natrialba hulunbeirensis
Natrialba hulunbeirensis JCM 10989
Natrialba magadii
Natrialba magadii ATCC 43099
Natrialba sp. INN−245
Natrialba sp. SSL1
Natrialba swarupiae
Natrialba taiwanensis
Natrialba taiwanensis DSM 12281
Natrialbaceae
Natrinema
Natrinema altunense
Natrinema altunense JCM 12890
Natrinema ejinorense
Natrinema gari
Natrinema gari JCM 14663
Natrinema pallidum
Natrinema pallidum DSM 3751
Natrinema pellirubrum
Natrinema pellirubrum DSM 15624
Natrinema salaciae
Natrinema sp. CBA1119
Natrinema sp. J7−1
Natrinema sp. J7−2
Natrinema versiforme
Natrinema versiforme JCM 10478
Natronoarchaeum philippinense
Natronobacterium gregoryi
Natronobacterium gregoryi SP2
Natronobacterium texcoconense
Natronococcus
Natronococcus amylolyticus
Natronococcus amylolyticus DSM 10524
Natronococcus jeotgali
Natronococcus jeotgali DSM 18795
Natronococcus occultus
Natronococcus occultus SP4
Natronococcus sp. JC468
Natronococcus sp. LS1_42
Natronolimnobius aegyptiacus
Natronolimnobius baerhuensis
Natronolimnobius innermongolicus
Natronolimnobius innermongolicus JCM 12255
Natronolimnobius sp. AArcel1
Natronolimnobius sp. XQ−INN 246
Natronolimnobius sulfurireducens
Natronomonas moolapensis
Natronomonas moolapensis 8.8.11
Natronomonas pharaonis
Natronomonas pharaonis DSM 2160
Natronomonas sp. CBA1123
Natronomonas sp. CBA1133
Natronomonas sp. CBA1134
Natronomonas sp. F12−1
Natronomonas sp. F16−60
Natronomonas sp. F17−44
Natronomonas sp. F18−79
Natronomonas sp. F19−13
Natronomonas sp. F20−122
Natronorubrum aibiense
Natronorubrum bangense
Natronorubrum bangense JCM 10635
Natronorubrum sediminis
Natronorubrum sp. JWXQ−INN−674
Natronorubrum sulfidifaciens
Natronorubrum sulfidifaciens JCM 14089
Natronorubrum texcoconense
Natronorubrum thiooxidans
Natronorubrum tibetense
Natronorubrum tibetense GA33
Nitrosarchaeum koreense
Nitrosarchaeum koreense MY1
Nitrosarchaeum sp.
Nitrosopumilaceae archaeon
Nitrosopumilales archaeon
Nitrosopumilales archaeon CG_4_10_14_0_8_um_filter_34_8
Nitrosopumilales archaeon CG_4_9_14_0_2_um_filter_34_16
Nitrosopumilales archaeon CG_4_9_14_0_8_um_filter_34_10
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SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
INO80
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
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CAF1A
CAF1C
Daxx
Hira
HJURP_mid
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Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
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PTIP
NCOA6
Menin
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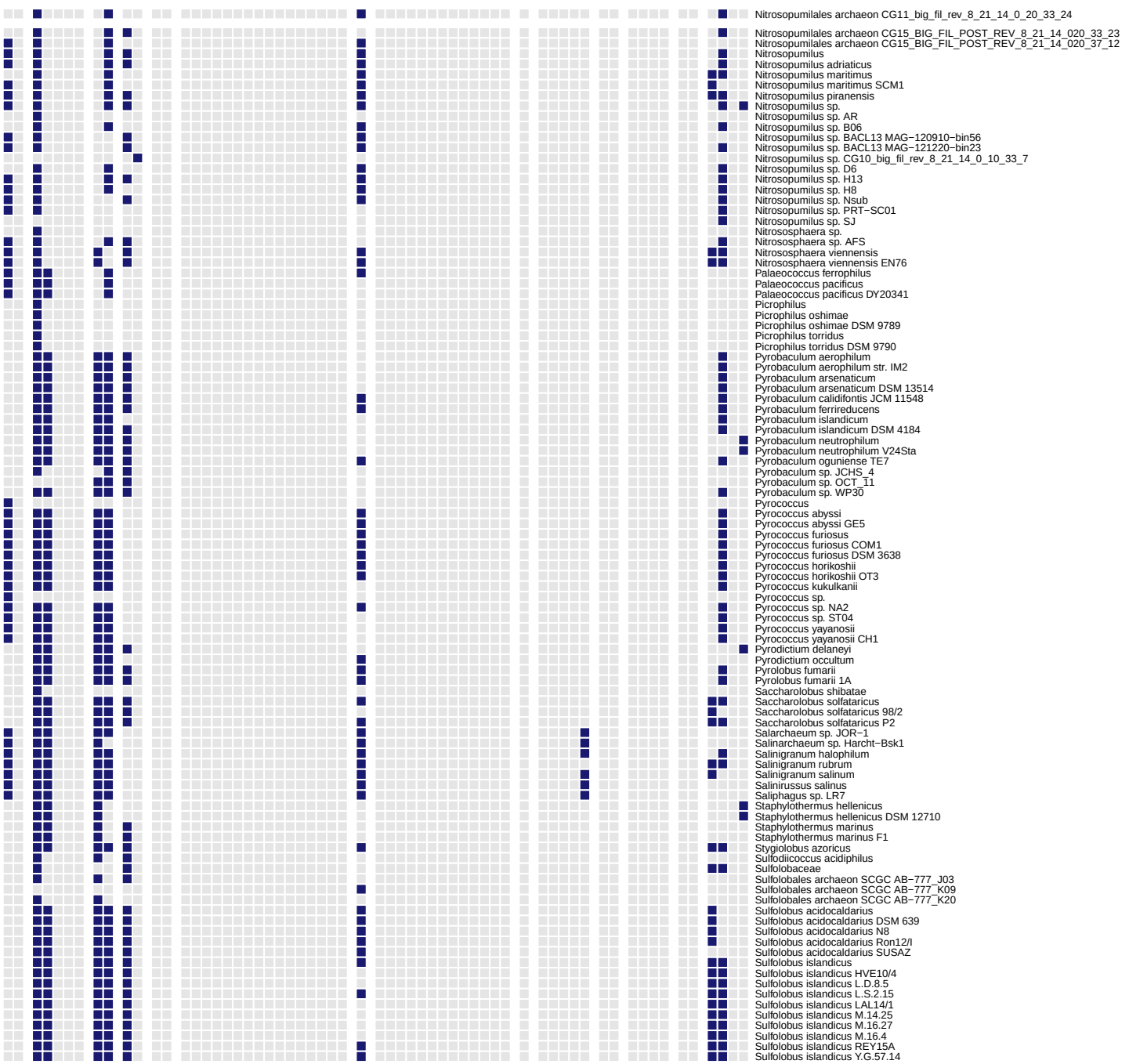
Kelch


Gene presence per taxon in Archaea (superkingdom) (15/20) (fraction of species)
Nitrosopumilales archaeon CG11_big_fil_rev_8_21_14_0_20_33_24
Nitrosopumilales archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_33_23
Nitrosopumilales archaeon CG15_BIG_FIL_POST_REV_8_21_14_020_37_12
Nitrosopumilus
Nitrosopumilus adriaticus
Nitrosopumilus maritimus
Nitrosopumilus maritimus SCM1
Nitrosopumilus piranensis
Nitrosopumilus sp.
Nitrosopumilus sp. AR
Nitrosopumilus sp. B06
Nitrosopumilus sp. BACL13 MAG−120910−bin56
Nitrosopumilus sp. BACL13 MAG−121220−bin23
Nitrosopumilus sp. CG10_big_fil_rev_8_21_14_0_10_33_7
Nitrosopumilus sp. D6
Nitrosopumilus sp. H13
Nitrosopumilus sp. H8
Nitrosopumilus sp. Nsub
Nitrosopumilus sp. PRT−SC01
Nitrosopumilus sp. SJ
Nitrososphaera sp.
Nitrososphaera sp. AFS
Nitrososphaera viennensis
Nitrososphaera viennensis EN76
Palaeococcus ferrophilus
Palaeococcus pacificus
Palaeococcus pacificus DY20341
Picrophilus
Picrophilus oshimae
Picrophilus oshimae DSM 9789
Picrophilus torridus
Picrophilus torridus DSM 9790
Pyrobaculum aerophilum
Pyrobaculum aerophilum str. IM2
Pyrobaculum arsenaticum
Pyrobaculum arsenaticum DSM 13514
Pyrobaculum calidifontis JCM 11548
Pyrobaculum ferrireducens
Pyrobaculum islandicum
Pyrobaculum islandicum DSM 4184
Pyrobaculum neutrophilum
Pyrobaculum neutrophilum V24Sta
Pyrobaculum oguniense TE7
Pyrobaculum sp. JCHS_4
Pyrobaculum sp. OCT_11
Pyrobaculum sp. WP30
Pyrococcus
Pyrococcus abyssi
Pyrococcus abyssi GE5
Pyrococcus furiosus
Pyrococcus furiosus COM1
Pyrococcus furiosus DSM 3638
Pyrococcus horikoshii
Pyrococcus horikoshii OT3
Pyrococcus kukulkanii
Pyrococcus sp.
Pyrococcus sp. NA2
Pyrococcus sp. ST04
Pyrococcus yayanosii
Pyrococcus yayanosii CH1
Pyrodictium delaneyi
Pyrodictium occultum
Pyrolobus fumarii
Pyrolobus fumarii 1A
Saccharolobus shibatae
Saccharolobus solfataricus
Saccharolobus solfataricus 98/2
Saccharolobus solfataricus P2
Salarchaeum sp. JOR−1
Salinarchaeum sp. Harcht−Bsk1
Salinigranum halophilum
Salinigranum rubrum
Salinigranum salinum
Salinirussus salinus
Saliphagus sp. LR7
Staphylothermus hellenicus
Staphylothermus hellenicus DSM 12710
Staphylothermus marinus
Staphylothermus marinus F1
Stygiolobus azoricus
Sulfodiicoccus acidiphilus
Sulfolobaceae
Sulfolobales archaeon SCGC AB−777_J03
Sulfolobales archaeon SCGC AB−777_K09
Sulfolobales archaeon SCGC AB−777_K20
Sulfolobus acidocaldarius
Sulfolobus acidocaldarius DSM 639
Sulfolobus acidocaldarius N8
Sulfolobus acidocaldarius Ron12/I
Sulfolobus acidocaldarius SUSAZ
Sulfolobus islandicus
Sulfolobus islandicus HVE10/4
Sulfolobus islandicus L.D.8.5
Sulfolobus islandicus L.S.2.15
Sulfolobus islandicus LAL14/1
Sulfolobus islandicus M.14.25
Sulfolobus islandicus M.16.27
Sulfolobus islandicus M.16.4
Sulfolobus islandicus REY15A
Sulfolobus islandicus Y.G.57.14
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SWIRM
ADD_ATRX
ADD_DNMT3
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Chromo
ING
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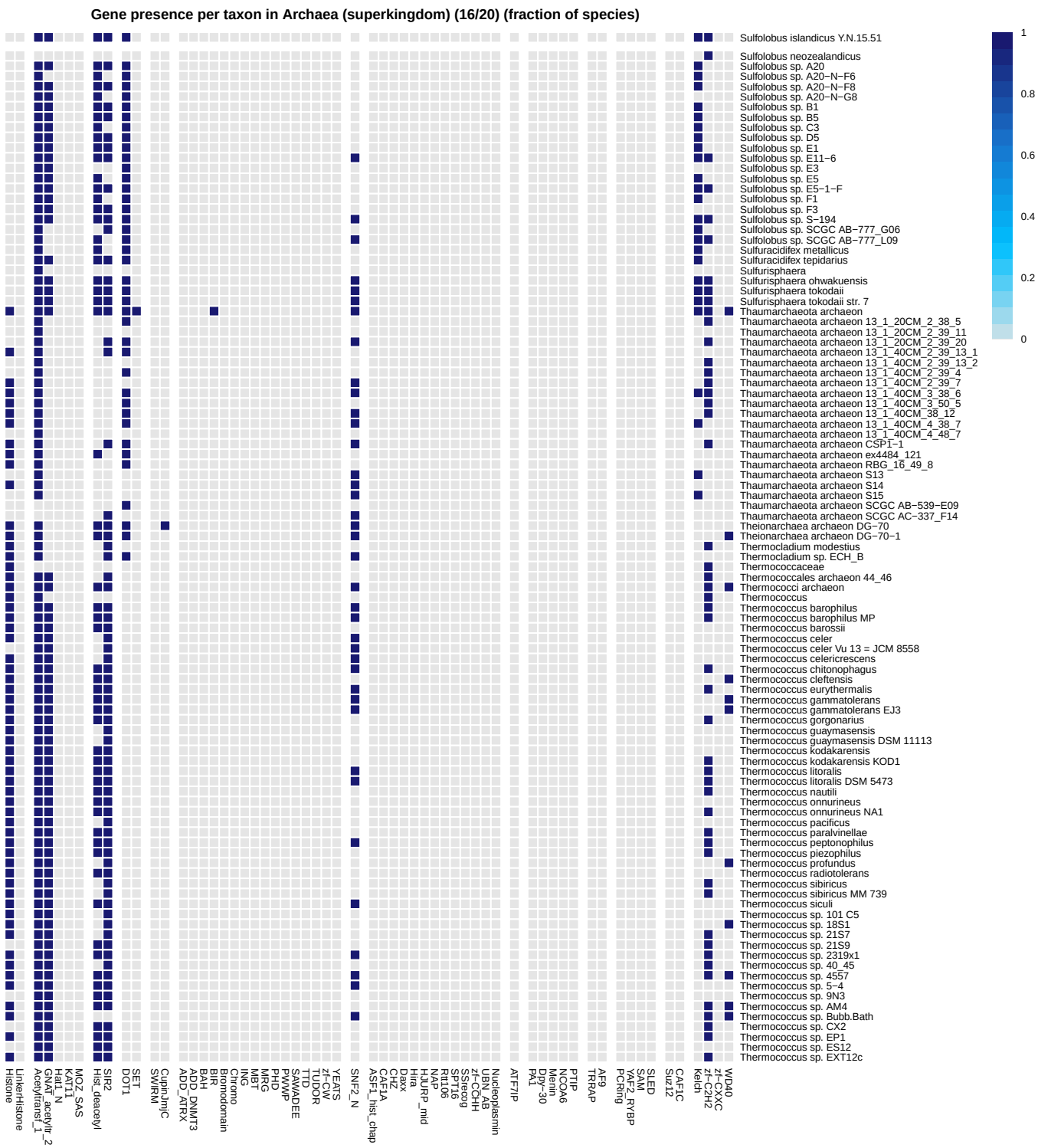
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCCH
DEK_C
LEN_AB
Nucleoplasmin
ATF7IP
PTIP
NCOA6
Menin
Dpy−30
PA1
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
WD40
zf−CXXC
zf−C2H2
Kelch


Gene presence per taxon in Archaea (superkingdom) (16/20) (fraction of species)
Sulfolobus islandicus Y.N.15.51
Sulfolobus neozealandicus
Sulfolobus sp. A20
Sulfolobus sp. A20−N−F6
Sulfolobus sp. A20−N−F8
Sulfolobus sp. A20−N−G8
Sulfolobus sp. B1
Sulfolobus sp. B5
Sulfolobus sp. C3
Sulfolobus sp. D5
Sulfolobus sp. E1
Sulfolobus sp. E11−6
Sulfolobus sp. E3
Sulfolobus sp. E5
Sulfolobus sp. E5−1−F
Sulfolobus sp. F1
Sulfolobus sp. F3
Sulfolobus sp. S−194
Sulfolobus sp. SCGC AB−777_G06
Sulfolobus sp. SCGC AB−777_L09
Sulfuracidifex metallicus
Sulfuracidifex tepidarius
Sulfurisphaera
Sulfurisphaera ohwakuensis
Sulfurisphaera tokodaii
Sulfurisphaera tokodaii str. 7
Thaumarchaeota archaeon
Thaumarchaeota archaeon 13_1_20CM_2_38_5
Thaumarchaeota archaeon 13_1_20CM_2_39_11
Thaumarchaeota archaeon 13_1_20CM_2_39_20
Thaumarchaeota archaeon 13_1_40CM_2_39_13_1
Thaumarchaeota archaeon 13_1_40CM_2_39_13_2
Thaumarchaeota archaeon 13_1_40CM_2_39_4
Thaumarchaeota archaeon 13_1_40CM_2_39_7
Thaumarchaeota archaeon 13_1_40CM_3_38_6
Thaumarchaeota archaeon 13_1_40CM_3_50_5
Thaumarchaeota archaeon 13_1_40CM_38_12
Thaumarchaeota archaeon 13_1_40CM_4_38_7
Thaumarchaeota archaeon 13_1_40CM_4_48_7
Thaumarchaeota archaeon CSP1−1
Thaumarchaeota archaeon ex4484_121
Thaumarchaeota archaeon RBG_16_49_8
Thaumarchaeota archaeon S13
Thaumarchaeota archaeon S14
Thaumarchaeota archaeon S15
Thaumarchaeota archaeon SCGC AB−539−E09
Thaumarchaeota archaeon SCGC AC−337_F14
Theionarchaea archaeon DG−70
Theionarchaea archaeon DG−70−1
Thermocladium modestius
Thermocladium sp. ECH_B
Thermococcaceae
Thermococcales archaeon 44_46
Thermococci archaeon
Thermococcus
Thermococcus barophilus
Thermococcus barophilus MP
Thermococcus barossii
Thermococcus celer
Thermococcus celer Vu 13 = JCM 8558
Thermococcus celericrescens
Thermococcus chitonophagus
Thermococcus cleftensis
Thermococcus eurythermalis
Thermococcus gammatolerans
Thermococcus gammatolerans EJ3
Thermococcus gorgonarius
Thermococcus guaymasensis
Thermococcus guaymasensis DSM 11113
Thermococcus kodakarensis
Thermococcus kodakarensis KOD1
Thermococcus litoralis
Thermococcus litoralis DSM 5473
Thermococcus nautili
Thermococcus onnurineus
Thermococcus onnurineus NA1
Thermococcus pacificus
Thermococcus paralvinellae
Thermococcus peptonophilus
Thermococcus piezophilus
Thermococcus profundus
Thermococcus radiotolerans
Thermococcus sibiricus
Thermococcus sibiricus MM 739
Thermococcus siculi
Thermococcus sp. 101 C5
Thermococcus sp. 18S1
Thermococcus sp. 21S7
Thermococcus sp. 21S9
Thermococcus sp. 2319x1
Thermococcus sp. 40_45
Thermococcus sp. 4557
Thermococcus sp. 5−4
Thermococcus sp. 9N3
Thermococcus sp. AM4
Thermococcus sp. Bubb.Bath
Thermococcus sp. CX2
Thermococcus sp. EP1
Thermococcus sp. ES12
Thermococcus sp. EXT12c
Linker_Histone
Histone
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GNAT_acetyltr_2
HAT_N
KAT11
MOZ_SAS
Hist_deacetyl
SIR2
SET
DOT1
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
Chromo_ISWI
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CHDNA
CHZ
Dax
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
SLED
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zf−CXXC
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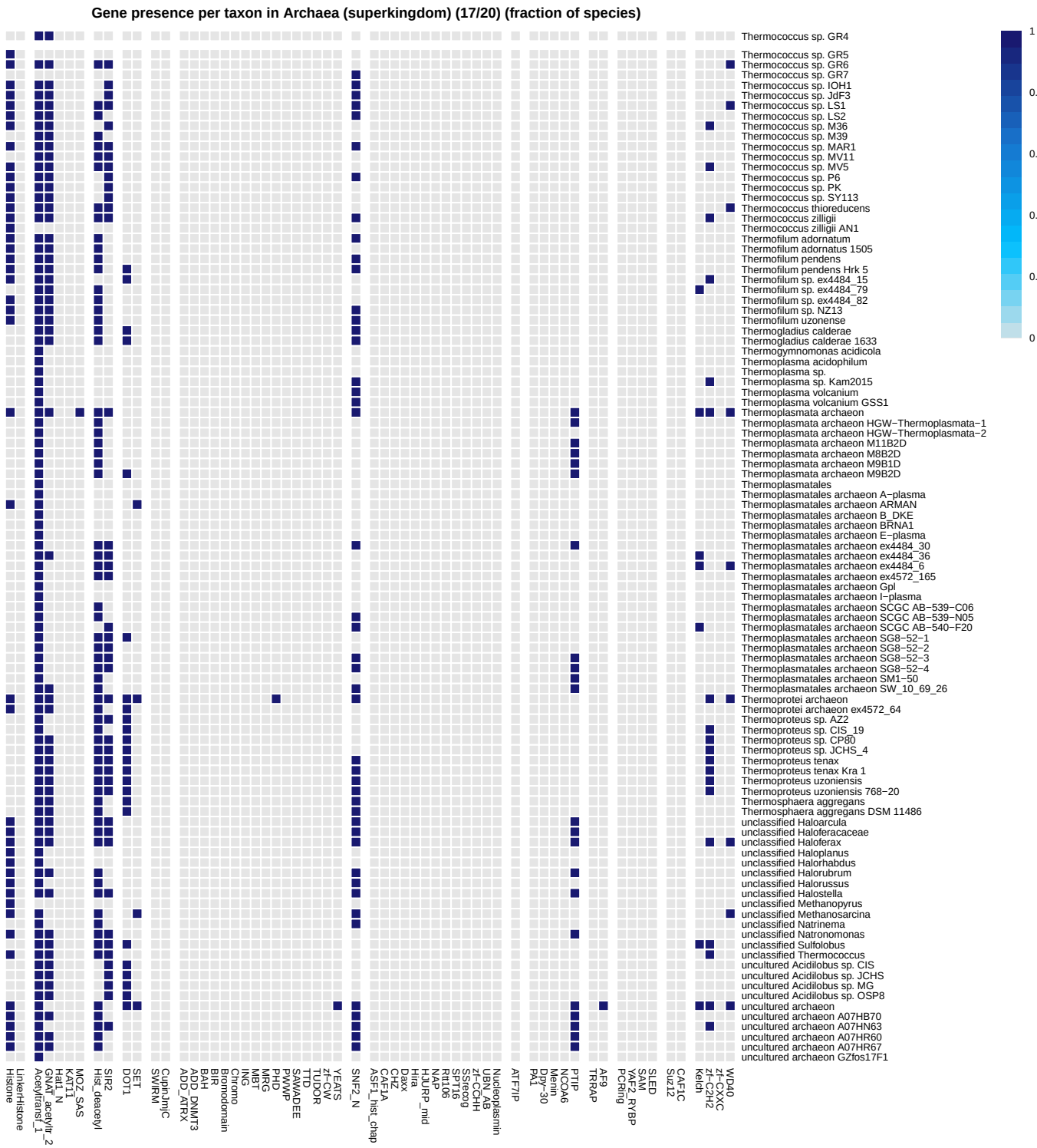
Gene presence per taxon in Archaea (superkingdom) (17/20) (fraction of species)
Thermococcus sp. GR4
Thermococcus sp. GR5
Thermococcus sp. GR6
Thermococcus sp. GR7
Thermococcus sp. IOH1
Thermococcus sp. JdF3
Thermococcus sp. LS1
Thermococcus sp. LS2
Thermococcus sp. M36
Thermococcus sp. M39
Thermococcus sp. MAR1
Thermococcus sp. MV11
Thermococcus sp. MV5
Thermococcus sp. P6
Thermococcus sp. PK
Thermococcus sp. SY113
Thermococcus thioreducens
Thermococcus zilligii
Thermococcus zilligii AN1
Thermofilum adornatum
Thermofilum adornatus 1505
Thermofilum pendens
Thermofilum pendens Hrk 5
Thermofilum sp. ex4484_15
Thermofilum sp. ex4484_79
Thermofilum sp. ex4484_82
Thermofilum sp. NZ13
Thermofilum uzonense
Thermogladius calderae
Thermogladius calderae 1633
Thermogymnomonas acidicola
Thermoplasma acidophilum
Thermoplasma sp.
Thermoplasma sp. Kam2015
Thermoplasma volcanium
Thermoplasma volcanium GSS1
Thermoplasmata archaeon
Thermoplasmata archaeon HGW−Thermoplasmata−1
Thermoplasmata archaeon HGW−Thermoplasmata−2
Thermoplasmata archaeon M11B2D
Thermoplasmata archaeon M8B2D
Thermoplasmata archaeon M9B1D
Thermoplasmata archaeon M9B2D
Thermoplasmatales
Thermoplasmatales archaeon A−plasma
Thermoplasmatales archaeon ARMAN
Thermoplasmatales archaeon B_DKE
Thermoplasmatales archaeon BRNA1
Thermoplasmatales archaeon E−plasma
Thermoplasmatales archaeon ex4484_30
Thermoplasmatales archaeon ex4484_36
Thermoplasmatales archaeon ex4484_6
Thermoplasmatales archaeon ex4572_165
Thermoplasmatales archaeon Gpl
Thermoplasmatales archaeon I−plasma
Thermoplasmatales archaeon SCGC AB−539−C06
Thermoplasmatales archaeon SCGC AB−539−N05
Thermoplasmatales archaeon SCGC AB−540−F20
Thermoplasmatales archaeon SG8−52−1
Thermoplasmatales archaeon SG8−52−2
Thermoplasmatales archaeon SG8−52−3
Thermoplasmatales archaeon SG8−52−4
Thermoplasmatales archaeon SM1−50
Thermoplasmatales archaeon SW_10_69_26
Thermoprotei archaeon
Thermoprotei archaeon ex4572_64
Thermoproteus sp. AZ2
Thermoproteus sp. CIS_19
Thermoproteus sp. CP80
Thermoproteus sp. JCHS_4
Thermoproteus tenax
Thermoproteus tenax Kra 1
Thermoproteus uzoniensis
Thermoproteus uzoniensis 768−20
Thermosphaera aggregans
Thermosphaera aggregans DSM 11486
unclassified Haloarcula
unclassified Haloferacaceae
unclassified Haloferax
unclassified Haloplanus
unclassified Halorhabdus
unclassified Halorubrum
unclassified Halorussus
unclassified Halostella
unclassified Methanopyrus
unclassified Methanosarcina
unclassified Natrinema
unclassified Natronomonas
unclassified Sulfolobus
unclassified Thermococcus
uncultured Acidilobus sp. CIS
uncultured Acidilobus sp. JCHS
uncultured Acidilobus sp. MG
uncultured Acidilobus sp. OSP8
uncultured archaeon
uncultured archaeon A07HB70
uncultured archaeon A07HN63
uncultured archaeon A07HR60
uncultured archaeon A07HR67
uncultured archaeon GZfos17F1
LinkerHistone
Histone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
HisI_deaceetyl
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DOT1
SET
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
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PWWP
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TTD
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ASF1_hist_chap
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CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
Nucleoplasmin
UBN_AB
Menin
Dpy−30
PA1
AT7IP
PTIP
NCOA6
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
SLED
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zf−CXXC
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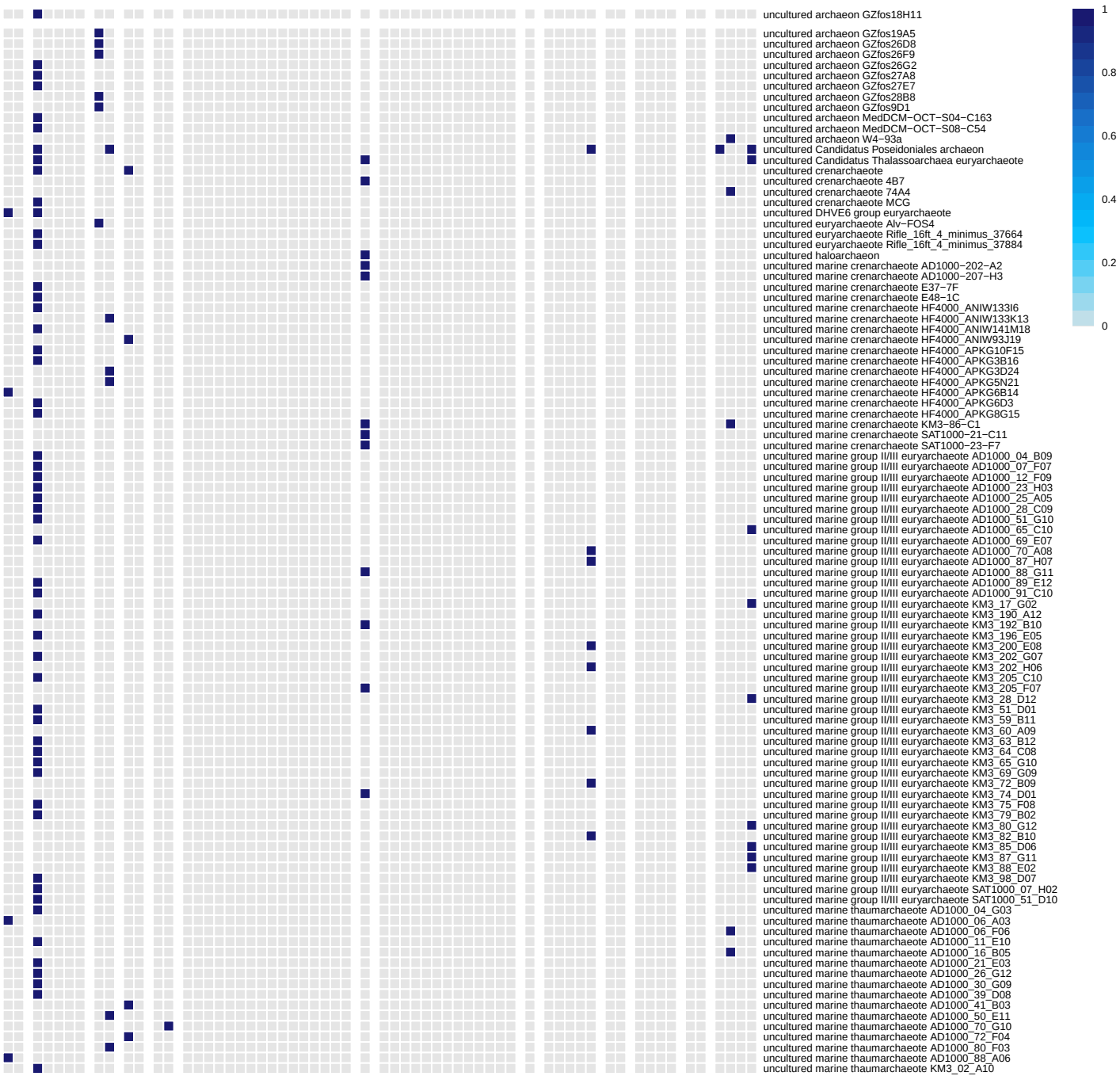
Gene presence per taxon in Archaea (superkingdom) (18/20) (fraction of species)
uncultured archaeon GZfos18H11
uncultured archaeon GZfos19A5
uncultured archaeon GZfos26D8
uncultured archaeon GZfos26F9
uncultured archaeon GZfos26G2
uncultured archaeon GZfos27A8
uncultured archaeon GZfos27E7
uncultured archaeon GZfos28B8
uncultured archaeon GZfos9D1
uncultured archaeon MedDCM−OCT−S04−C163
uncultured archaeon MedDCM−OCT−S08−C54
uncultured archaeon W4−93a
uncultured Candidatus Poseidoniales archaeon
uncultured Candidatus Thalassoarchaea euryarchaeote
uncultured crenarchaeote
uncultured crenarchaeote 4B7
uncultured crenarchaeote 74A4
uncultured crenarchaeote MCG
uncultured DHVE6 group euryarchaeote
uncultured euryarchaeote Alv−FOS4
uncultured euryarchaeote Rifle_16ft_4_minimus_37664
uncultured euryarchaeote Rifle_16ft_4_minimus_37884
uncultured haloarchaeon
uncultured marine crenarchaeote AD1000−202−A2
uncultured marine crenarchaeote AD1000−207−H3
uncultured marine crenarchaeote E37−7F
uncultured marine crenarchaeote E48−1C
uncultured marine crenarchaeote HF4000_ANIW133I6
uncultured marine crenarchaeote HF4000_ANIW133K13
uncultured marine crenarchaeote HF4000_ANIW141M18
uncultured marine crenarchaeote HF4000_ANIW93J19
uncultured marine crenarchaeote HF4000_APKG10F15
uncultured marine crenarchaeote HF4000_APKG3B16
uncultured marine crenarchaeote HF4000_APKG3D24
uncultured marine crenarchaeote HF4000_APKG5N21
uncultured marine crenarchaeote HF4000_APKG6B14
uncultured marine crenarchaeote HF4000_APKG6D3
uncultured marine crenarchaeote HF4000_APKG8G15
uncultured marine crenarchaeote KM3−86−C1
uncultured marine crenarchaeote SAT1000−21−C11
uncultured marine crenarchaeote SAT1000−23−F7
uncultured marine group II/III euryarchaeote AD1000_04_B09
uncultured marine group II/III euryarchaeote AD1000_07_F07
uncultured marine group II/III euryarchaeote AD1000_12_F09
uncultured marine group II/III euryarchaeote AD1000_23_H03
uncultured marine group II/III euryarchaeote AD1000_25_A05
uncultured marine group II/III euryarchaeote AD1000_28_C09
uncultured marine group II/III euryarchaeote AD1000_51_G10
uncultured marine group II/III euryarchaeote AD1000_65_C10
uncultured marine group II/III euryarchaeote AD1000_69_E07
uncultured marine group II/III euryarchaeote AD1000_70_A08
uncultured marine group II/III euryarchaeote AD1000_87_H07
uncultured marine group II/III euryarchaeote AD1000_88_G11
uncultured marine group II/III euryarchaeote AD1000_89_E12
uncultured marine group II/III euryarchaeote AD1000_91_C10
uncultured marine group II/III euryarchaeote KM3_17_G02
uncultured marine group II/III euryarchaeote KM3_190_A12
uncultured marine group II/III euryarchaeote KM3_192_B10
uncultured marine group II/III euryarchaeote KM3_196_E05
uncultured marine group II/III euryarchaeote KM3_200_E08
uncultured marine group II/III euryarchaeote KM3_202_G07
uncultured marine group II/III euryarchaeote KM3_202_H06
uncultured marine group II/III euryarchaeote KM3_205_C10
uncultured marine group II/III euryarchaeote KM3_205_F07
uncultured marine group II/III euryarchaeote KM3_28_D12
uncultured marine group II/III euryarchaeote KM3_51_D01
uncultured marine group II/III euryarchaeote KM3_59_B11
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uncultured marine group II/III euryarchaeote KM3_64_C08
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uncultured marine group II/III euryarchaeote KM3_69_G09
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uncultured marine group II/III euryarchaeote KM3_74_D01
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uncultured marine group II/III euryarchaeote KM3_79_B02
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uncultured marine group II/III euryarchaeote KM3_98_D07
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uncultured marine thaumarchaeote AD1000_04_G03
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uncultured marine thaumarchaeote AD1000_11_E10
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uncultured marine thaumarchaeote AD1000_26_G12
uncultured marine thaumarchaeote AD1000_30_G09
uncultured marine thaumarchaeote AD1000_39_D08
uncultured marine thaumarchaeote AD1000_41_B03
uncultured marine thaumarchaeote AD1000_50_E11
uncultured marine thaumarchaeote AD1000_70_G10
uncultured marine thaumarchaeote AD1000_72_F04
uncultured marine thaumarchaeote AD1000_80_F03
uncultured marine thaumarchaeote AD1000_88_A06
uncultured marine thaumarchaeote KM3_02_A10
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0.6
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Histone
Acetyltransf_1
GNAT_acetyltr_2
Hat1_N
KAT11
MOZ_SAS
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
Dpy−30
Menin
NCOA6
PA1
PTIP
AF9
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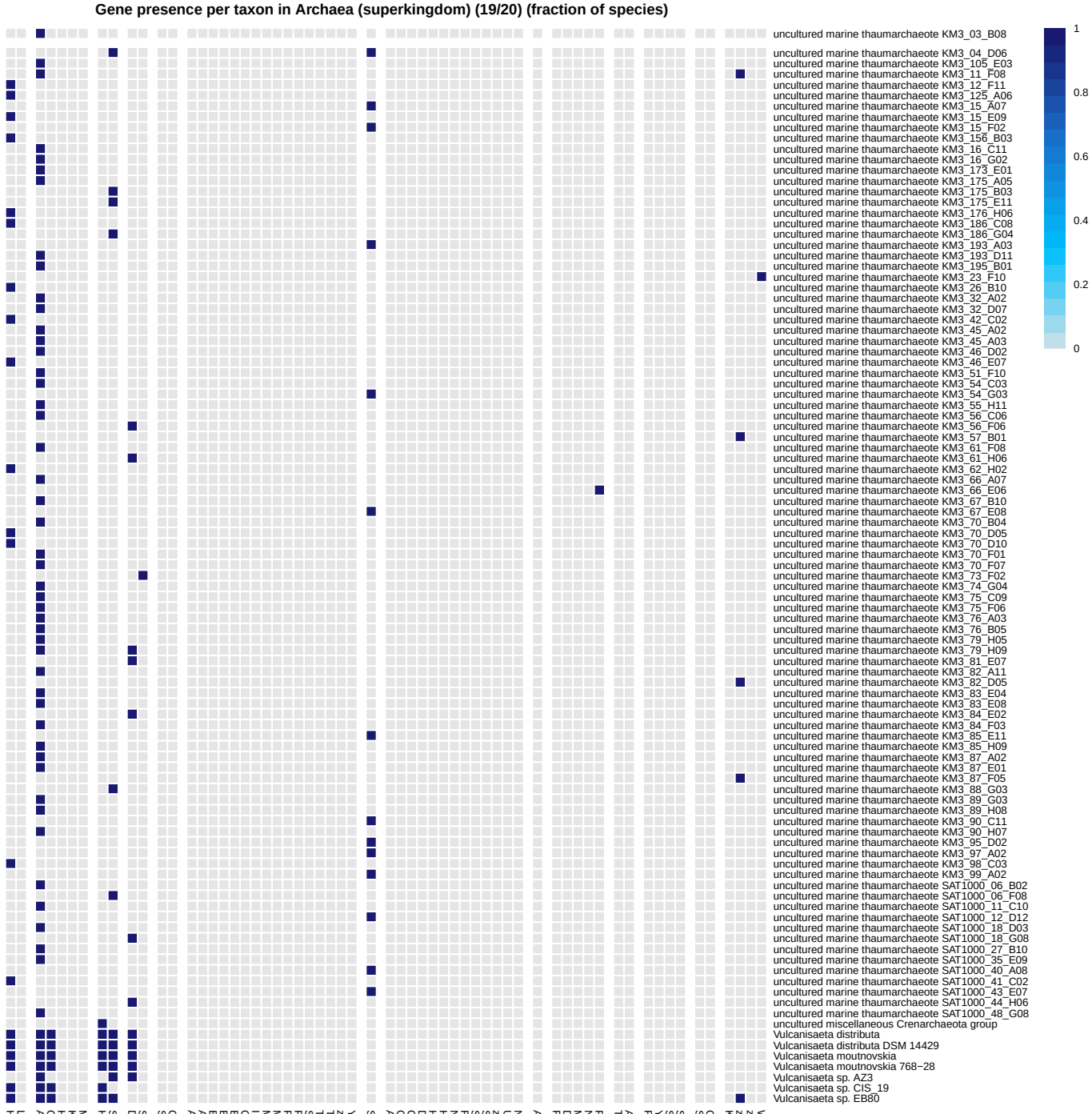
Gene presence per taxon in Archaea (superkingdom) (19/20) (fraction of species)
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uncultured marine thaumarchaeote KM3_175_A05
uncultured marine thaumarchaeote KM3_175_B03
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uncultured marine thaumarchaeote SAT1000_48_G08
uncultured miscellaneous Crenarchaeota group
Vulcanisaeta distributa
Vulcanisaeta distributa DSM 14429
Vulcanisaeta moutnovskia
Vulcanisaeta moutnovskia 768−28
Vulcanisaeta sp. AZ3
Vulcanisaeta sp. CIS_19
Vulcanisaeta sp. EB80
LinkerHistone
Histone
Acetyltransf_1
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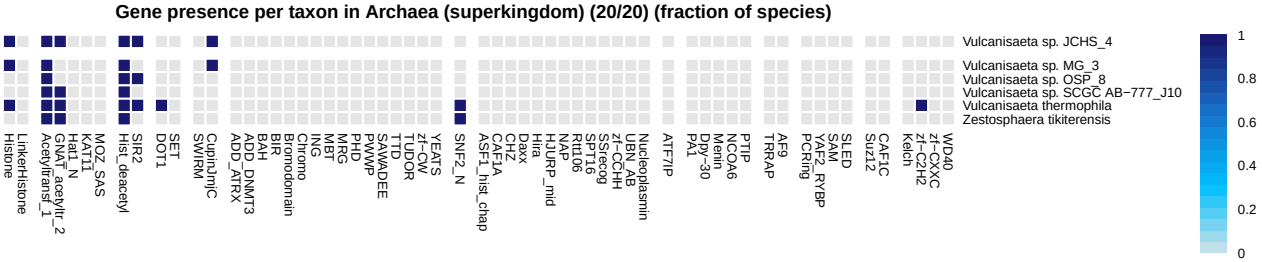
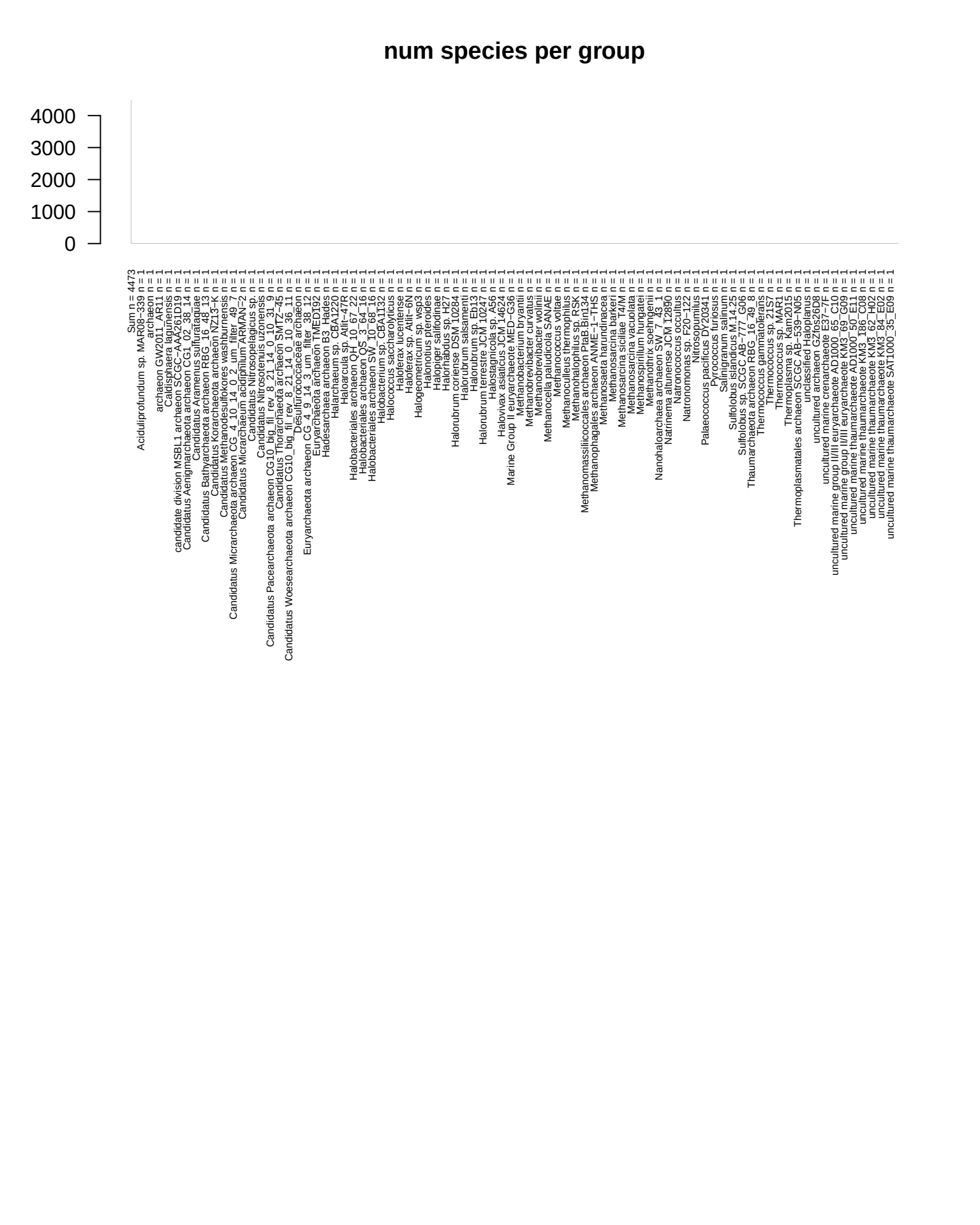
Hat1_N
KAT11
MOZ_SAS
His_deaceteyl
SIR2
DOT1
SET
CupinJmjC
SWIRM
ADD_ATRX
ADD_DNMT3
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TTD
TUDOR
YEATS
zf−CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
NAP
Rtt106
SPT16
SSrecog
zf−CCHH
UBN_AB
Nucleoplasmin
AT7IP
PA1
Dpy−30
Menin
NCOA6
PTIP
TRRAP
AF9
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf−C2H2
zf−CXXC
WD40


Gene presence per taxon in Archaea (superkingdom) (20/20) (fraction of species)
Vulcanisaeta sp. JCHS_4
Vulcanisaeta sp. MG_3
Vulcanisaeta sp. OSP_8
Vulcanisaeta sp. SCGC AB−777_J10
Vulcanisaeta thermophila
Zestosphaera tikiterensis
1
0.8
0.6
0.4
0.2
0
LinkerHistone
Histone
HAT1_N
MOZ_SAS
KAT11
GNAT_acetyltr_2
Acetyltransf_1
SIR2
Hist_deacetyl
SET
DOT1
CupinJmjC
SWIRM
ADD_DNMT3
ADD_ATRX
BAH
BIR
Bromodomain
Chromo
ING
MBT
MRG
PHD
PWWP
SAWADEE
TUDOR
YEATS
zf-CW
SNF2_N
ASF1_hist_chap
CAF1A
CHZ
Daxx
Hira
HJURP_mid
KNL1
NKD6
SPT16
SSrecog
UBN_AB
zf-CCHH
Nucleoplasmin
ATF7IP
DAP1
PAL
Dpy-30
Med9
NCOA6
PTIP
AF9
TRRAP
PCRing
YAF2_RYBP
SAM
SLED
Suz12
CAF1C
Kelch
zf-C2H2
zf-CXXC
WD40


num species per group
4000
3000
2000
1000
0
Sum n = 4473
Aciduliprofundum sp. MAR08−339 n = 1
archaeon n = 1
archaeon GW2011_AR11 n = 1
Caldisphaera lagunensis n = 1
candidate division MSBL1 archaeon SCGC−AAA261D19 n = 1
Candidatus Aenigmarchaeota archaeon CG1_02_38_14 n = 1
Candidatus Aramenus sulfurataquae n = 1
Candidatus Bathyarchaeota archaeon RBG_16_48_13 n = 1
Candidatus Korarchaeota archaeon NZ13−K n = 1
Candidatus Methanodesulfokores washburnensis n = 1
Candidatus Micrarchaeota archaeon CG_4_10_14_0_2_um_filter_49_7 n = 1
Candidatus Micrarchaeum acidiphilum ARMAN−2 n = 1
Candidatus Nitrosopelagicus sp. n = 1
Candidatus Nitrosotenuis uzonensis n = 1
Candidatus Pacearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_31_9 n = 1
Candidatus Thorarchaeota archaeon SMTZ−45 n = 1
Candidatus Woesearchaeota archaeon CG10_big_fil_rev_8_21_14_0_10_36_11 n = 1
Desulfurococcaceae archaeon n = 1
Euryarchaeota archaeon CG_4_9_14_3_um_filter_38_12 n = 1
Euryarchaeota archaeon TMED192 n = 1
Hadesarchaea archaeon B3_Hades n = 1
Halarchaeum sp. CBA1220 n = 1
Haloarcula sp. Atlit−47R n = 1
Halobacteriales archaeon QH_10_67_22 n = 1
Halobacteriales archaeon QS_3_64_16 n = 1
Halobacteriales archaeon SW_10_68_16 n = 1
Halobacterium sp. CBA1132 n = 1
Haloferax lucentense n = 1
Haloferax sp. Atlit−6N n = 1
Halogeometricum sp. wsp3 n = 1
Halonotius pteroides n = 1
Halopiger salifodinae n = 1
Haloquadratum sp. H27 n = 1
Halorubrum coriense DSM 10284 n = 1
Halorubrum saksenense n = 1
Halorubrum sp. Eb13 n = 1
Halorubrum terrestre JCM 10247 n = 1
Halostagnicola sp. A56 n = 1
Halovivax asiaticus JCM 14624 n = 1
Marine Group II euryarchaeote MED−G36 n = 1
Methanobacterium bryantii n = 1
Methanobrevibacter curvatus n = 1
Methanobrevibacter woliinii n = 1
Methanocella paludicola SANAE n = 1
Methanococcus voltae n = 1
Methanoculleus thermophilus n = 1
Methanohalophilus sp. RSK n = 1
Methanomassiliicoccales archaeon PtaB.Bin134 n = 1
Methanophagales archaeon ANME−1−THS n = 1
Methanosaeta harundinacea n = 1
Methanosarcina barkeri n = 1
Methanosarcina siciliae T4/M n = 1
Methanosarcina vacuolata n = 1
Methanospirillum hungatei n = 1
Methanothrix soehngenii n = 1
Nanohaloarchaea archaeon SW_7_43_1 n = 1
Natrinema altunense JCM 12890 n = 1
Natronococcus occultus n = 1
Natronomonas sp. F20−122 n = 1
Nitrosopumilus n = 1
Palaeococcus pacificus DY20341 n = 1
Pyrococcus furiosus n = 1
Salinigranum salinum n = 1
Sulfolobus islandicus M.14.25 n = 1
Sulfolobus sp. SCGC AB−777_G06 n = 1
Thaumarchaeota archaeon RBG_16_49_8 n = 1
Thermococcus gammatolerans n = 1
Thermococcus sp. 21S7 n = 1
Thermococcus sp. MAR1 n = 1
Thermoplasma sp. Kam2015 n = 1
Thermoplasmatales archaeon SCGC AB−539−N05 n = 1
unclassified Haloplanus n = 1
uncultured archaeon GZfos26D8 n = 1
uncultured marine crenarchaeote E37−7F n = 1
uncultured marine group II/III euryarchaeote AD1000_65_C10 n = 1
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uncultured marine thaumarchaeote KM3_62_H02 n = 1
uncultured marine thaumarchaeote KM3_84_E02 n = 1
uncultured marine thaumarchaeote SAT1000_35_E09 n = 1