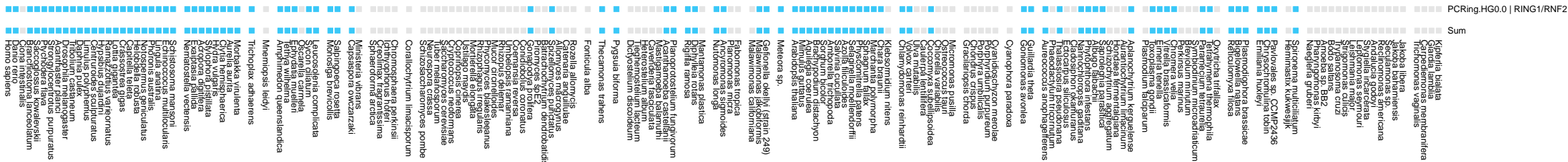
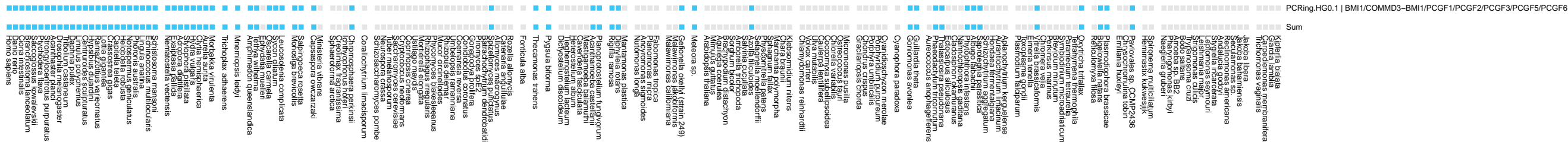


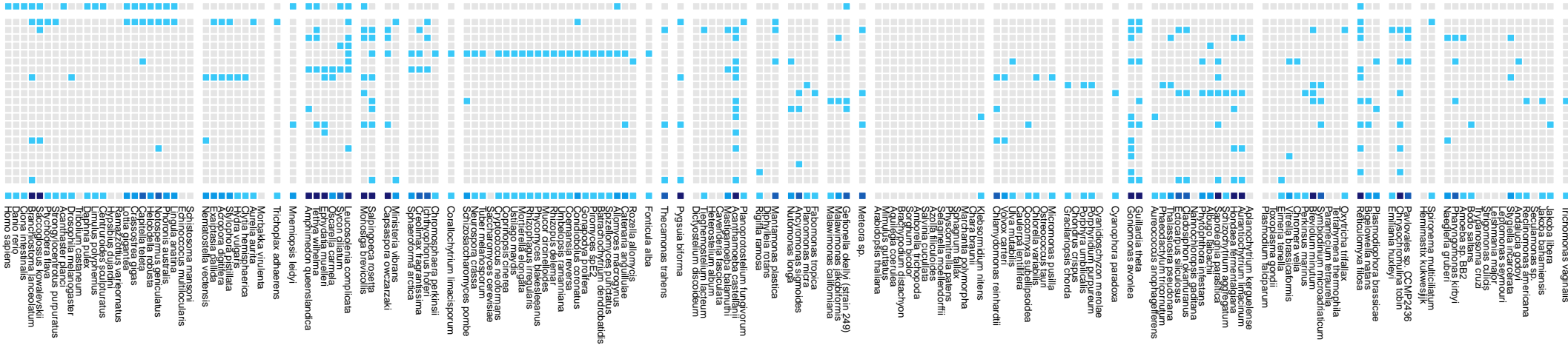
PCRing.HG0.0, RING1/RNF2
(0 similar OGs)



**PCRing.HG0.1, BMI1/COMMD3–BMI1/PCGF1/PCGF2/PCGF3/PCGF5/PCGF6
(0 similar OGs)**

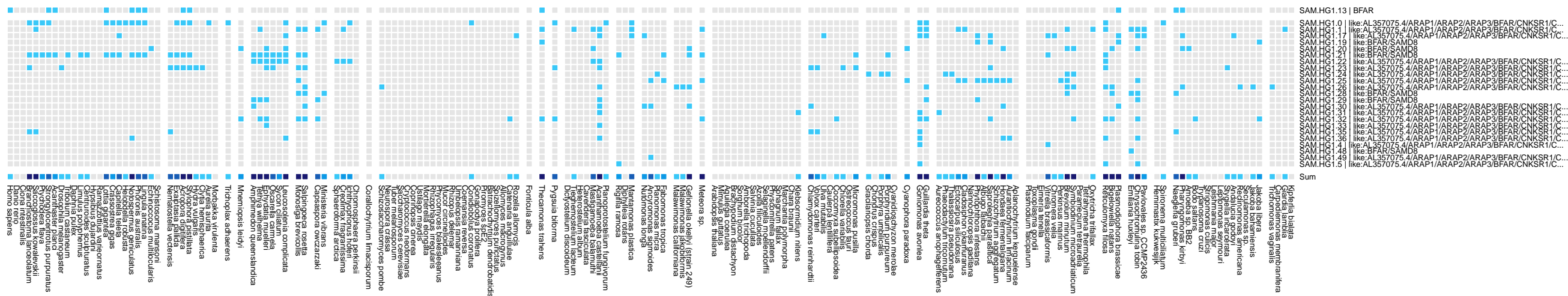


SAM.HG1.12, AL357075.4/CNKSR1/CNKSR2/CNKSR3
(21 similar OGs)

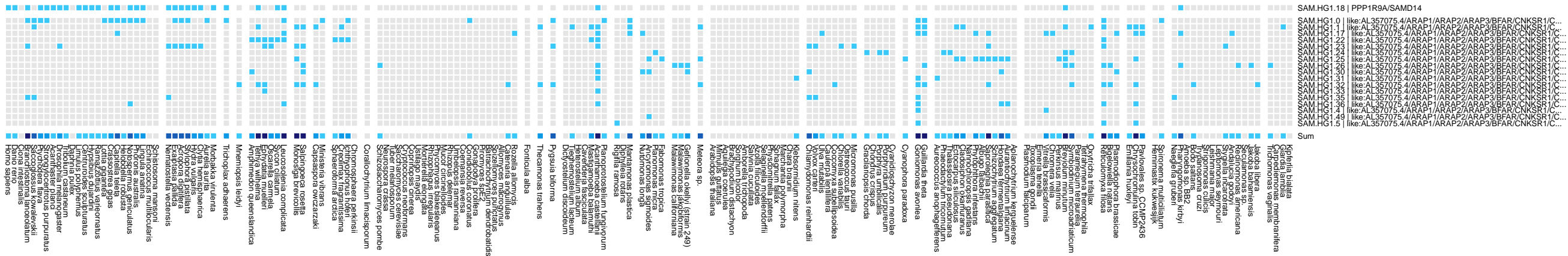


SAM.HG1.12 AL357075.4/CNKSR1/CNKSR2/CNKSR3	
SAM.HG1.0	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.1	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.11	like:AL357075.4/CNKSR1/CNKSR2/CNKSR3
SAM.HG1.16	like:AL357075.4/CNKSR1/CNKSR2/CNKSR3
SAM.HG1.17	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.23	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.24	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.25	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.26	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.30	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.32	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.33	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.36	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.4	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.45	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.5	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...
SAM.HG1.8	like:AL357075.4/CNKSR1/CNKSR2/CNKSR3
Sum	

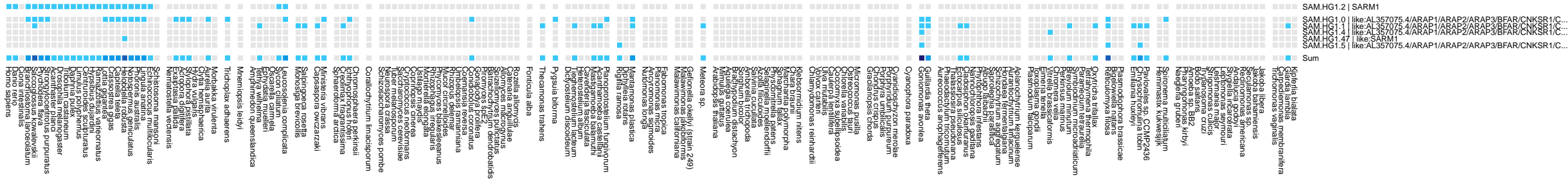
SAM.HG1.13, BFAR
(23 similar OGs)



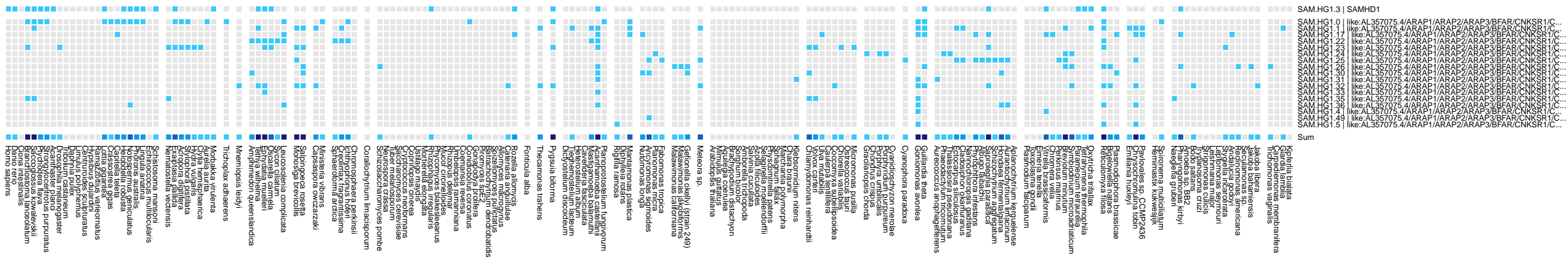
SAM.HG1.18, PPP1R9A/SAMD14
(17 similar OGs)



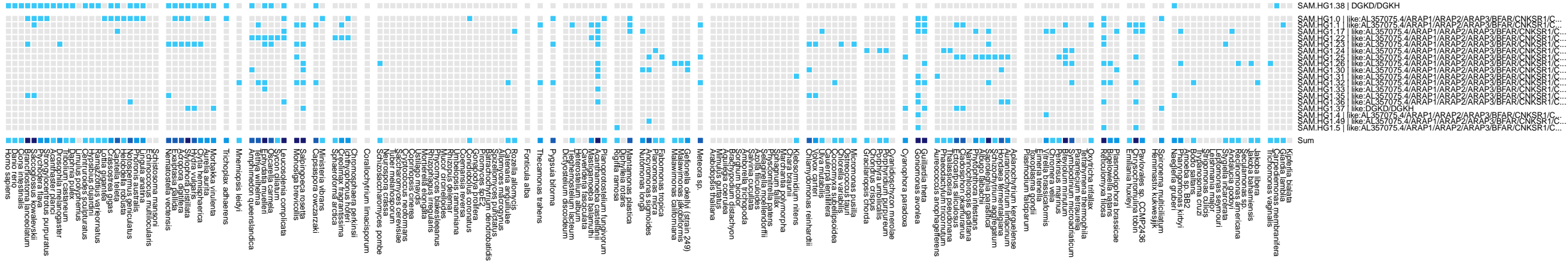
SAM.HG1.2, SARM1
(5 similar OGs)



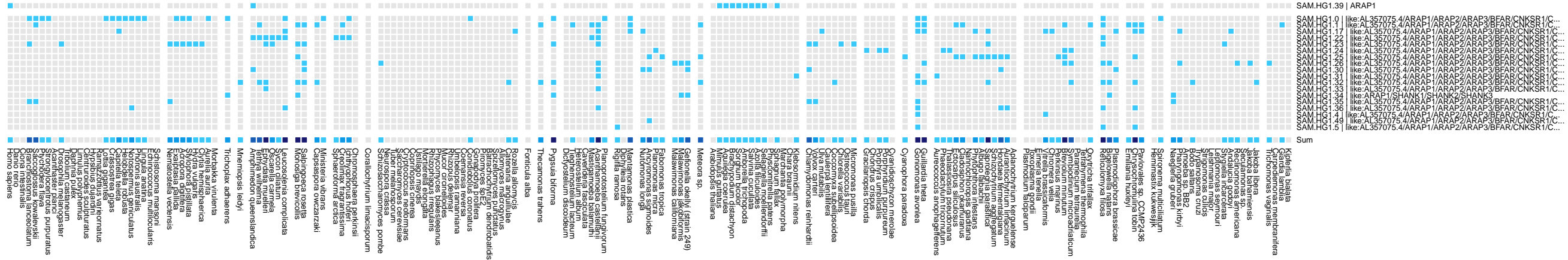
SAM.HG1.3, SAMHD1
(17 similar OGs)



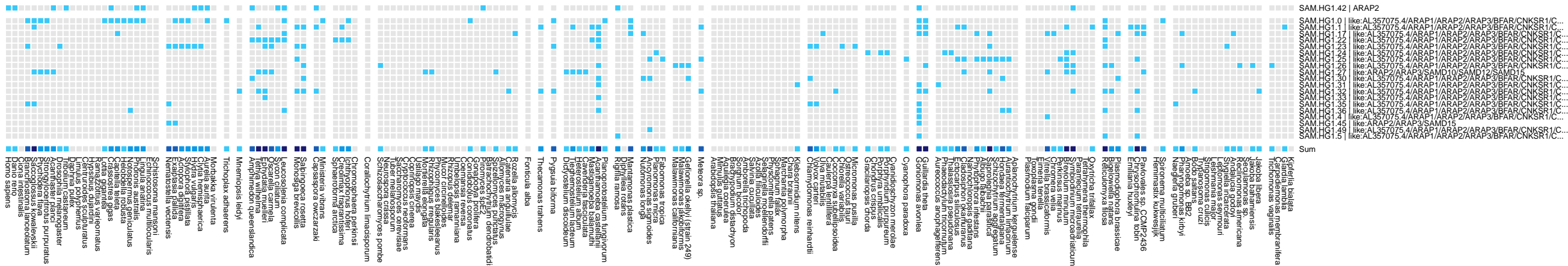
SAM.HG1.38, DGKD/DGKH
(18 similar OGs)



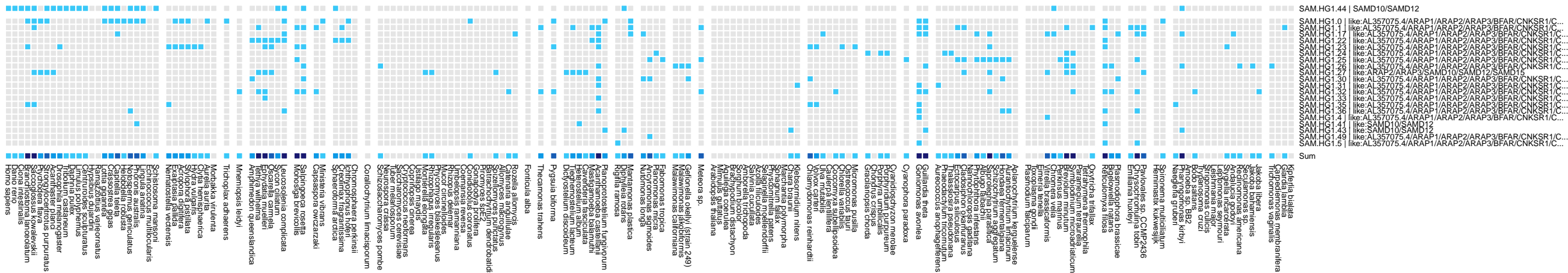
SAM.HG1.39, ARAP1
(18 similar OGs)



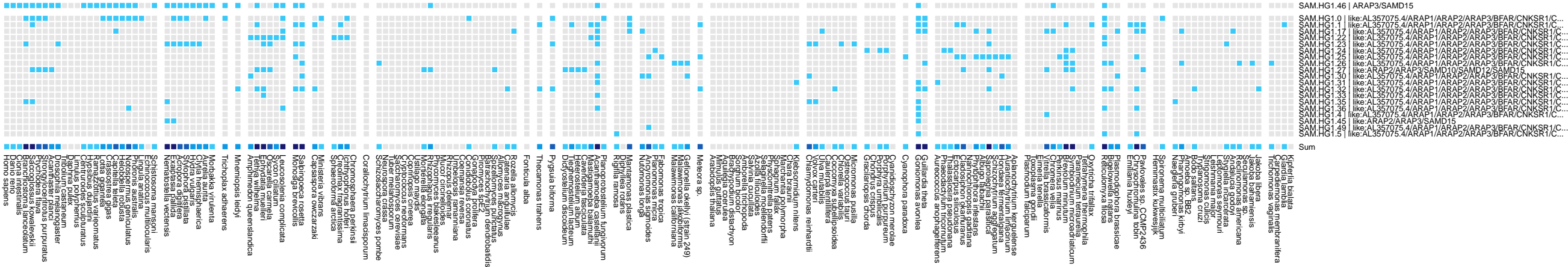
SAM.HG1.42, ARAP2
(19 similar OGs)



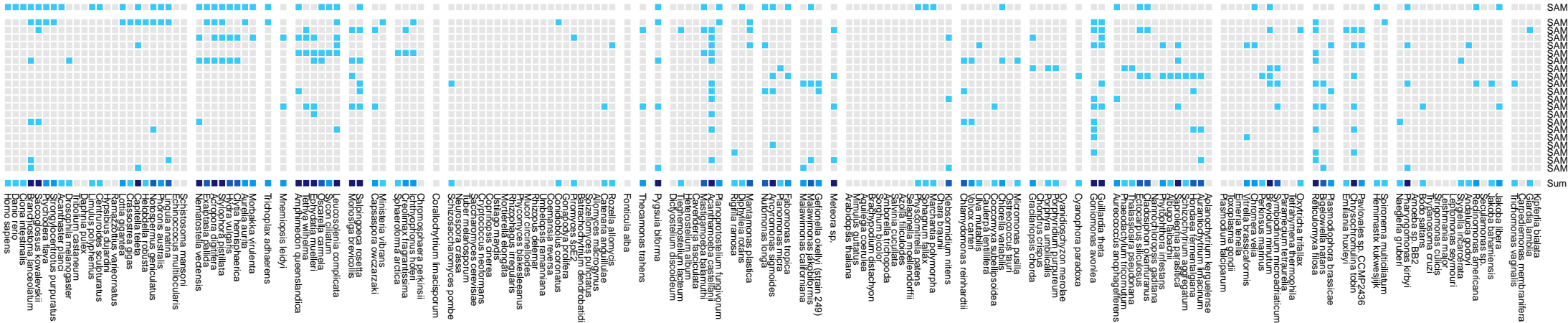
SAM.HG1.44, SAMD10/SAMD12
(20 similar OGs)



SAM.HG1.46, ARAP3/SAMD15
(19 similar OGs)



SAM.HG1.6, WDSUB1
(20 similar OGs)



SAM.HG1.6 WDSUB1	
SAM.HG1.0	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.1	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.10	like:WDSUB1
SAM.HG1.17	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.23	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.24	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.25	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.26	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.30	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.32	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.33	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.36	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.41	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.45	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.51	like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKS1/C...
SAM.HG1.7	like:WDSUB1
SAM.HG1.9	like:WDSUB1

Sum

SAM.HG14.0, SAMD3
(0 similar OGs)

SAM.HG14.0 | SAMD3

Sum

- Kiferlia bialata
- Giardia lamblia
- Carpediemonas membranifera
- Trichomonas vaginalis

Jakoba libera
Jakoba bahamiensis
Seculamonas sp.
Recclinomonas americana
Andalucia rodovi

Stygiella incarcerationa
Leptomonas seymou
Leishmania major
Strigomonas culicis

☐ *Trypanosoma cruzi*
☐ Bodo salians
☐ Amoeba sp. BB2
☐ Pharyngomonas kirbyi
☐ Naegleria gruberi

Spironema multiciliatum
Hemimastix kukwesjijk
Pavlovaes sp. CCMP2430

Chrysochromulina tobini
Emiliana huxleyi
Plasmiodiophora brassicae
Bigelowiella natans

Reticulomyxa filiosa
Oxytricha trifallax
Tetrahymena thermophila
Paramecium tetraurelia

Symbiodinium microadriaticum
Brevium minutum
Perkinsus marinus
Chromera velia
Vitrella brassicaformis

Eimeria tenella
Toxoplasma gondii
Plasmodium falciparum

Aurantiochytrium limacinum
Hondaea fermentalgiana
Schizochytrium aggregatum
Saprolegnia parasitica

Albugo taibacrii
Phytophthora infestans
Nannochloropsis gaditana
Cladosiphon okamuranus
Ectocarpus siliculosus

- *Thalassiosira pseudonana*
- *Phaeodactylum tricornutum*
- *Aureococcus anophagefferens*
- *Guillardia theta*

- *Goniomonas avonlea*
- *Cyanophora paradoxa*
- *Cyanidioschyzon m*

Pórhrydium purpureum
 Porphyra umbilicalis
 Chondrus crispus
 Gracilaria chorda

Micromonas pusilla
Ostreococcus tauri
Chlorella variabilis
Coccomyxa subellipsoidea
Caularia lentillifera

- ☐ Klebsorridium nitens
- ☐ Uva mutabilis
- ☐ Volvox carter
- ☐ Chlamydomonas reinhard

Chara braunii
Marchantia polymorpha
Sphagnum fallax
Physcomitrella patens

Seagrass
Azolla
Salvinia
Amborella
Sorghum

Brachypodium distachyon
Aquilegia coerulea
Mimulus guttatus
Arabidopsis thaliana

Meteora sp.
Gefionella okellyi (strain 249)
Maawimonas jakobiformis
Maawimonas californiana

- Fabomonas tropica
- Planomonas micra
- Ancyromonas sigmoides
- Nutomonas londa

Mantamonas plastica
Diphylla rotans
Rigiflia ramosa

Planoprotostelium fungiv.
Acanthamoeba castellanii
Mastigamoeba balamuthi
Cavenderia fasciculata
Heterostelium album

Pygysuia biforma

- *Thecamonas trahens*
- *Fonticula alba*

Rozella allomycis
Catenaria anguillulae
Allomyces macrognus
Spizellomyces punctatus
Batrachochytrium dendrobatidis

Piromyces spE2
 Gonapodya prolifera
 Conidiobolus coronatus
 Coemansia reversa
 Umbelopsis ramanniana

Rhizopus dellemar
Mucor circinelloides
Phycomyces blakesleeana
Rhizophagus irregularis
Mortierella elongata

Ustilago maydis
Coprinopsis cinerea
Cryptococcus neoformans
Saccharomyces cerevisiae
Tuber melanosporum

■ *Neurospora crassa*
■ *Schizosaccharomyces pombe*
■ *Corallochytrium limacisporum*

Chromosphaera perkinsii
Ichthyophonus hoferi
Creolimax fragrantissima
Sphaeroforma arctica

Ministeria vibrans
Capsaspora owczarzaki
Salpingoeca rosetta

Monosiga brevicollis

Leucosolenia complicata

Sycon ciliatum

Oscarella carmela

Epiphydata muelleri
Tethya wilhelma
Amphimedon queenslandica
Mnemiopsis leidyi

- Trichoplax adhaerens
- Morbakka virulenta
- Aurelia aurita

Clytia hemisphaerica
Hydra vulgaris
Stylophora pistillata
Acropora digitifera
Euplasia pallida

Nematostella vectensis

Phoronia australis
 Notoxenus geniculatus
 Helobdella robusta
 Capitella teleta
 Crassostrea gigas

Cassiopea gigas
Lottia gigantea
Ramazzotius varieornatus
Hypsibius dujardini
Centruroides sculpturatus

Limnol. pol. 1998, 14(1): 11-15

Strongylocentrotus
Ptychodera flava
Saccoglossus k
Branchiostoma
Ciona intestinalis

Danio rerio
Homo sapiens

SAM.HG2.10, ANKS4B/USH1G
(5 similar OGs)

SAM.HG2.10 | ANKS4B/USH1G

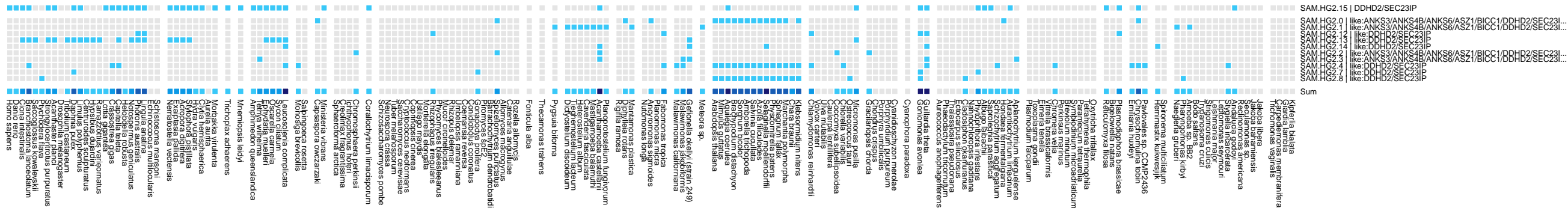
SAM.HG2.0 like:ANKS3/ANKS4B/ANKS6/ASZ1/BICC1/DDHD2/SEC231...
 SAM.HG2.1 like:ANKS3/ANKS4B/ANKS6/ASZ1/BICC1/DDHD2/SEC231...
 SAM.HG2.2 like:ANKS3/ANKS4B/ANKS6/ASZ1/BICC1/DDHD2/SEC231...
 SAM.HG2.3 like:ANKS3/ANKS4B/ANKS6/ASZ1/BICC1/DDHD2/SEC231...
 SAM.HG2.9 like:ANKS4B/USH1G

Sum

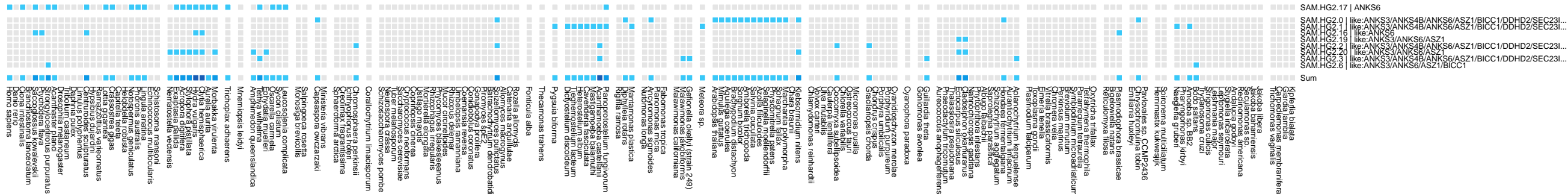
[illegible]

SAM.HG2.11, BICC1
(5 similar OGs)

SAM.HG2.15, DDHD2/SEC23IP
(10 similar OGs)

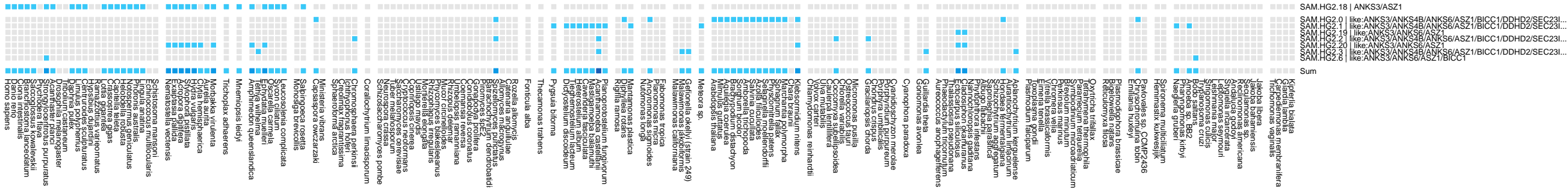


SAM.HG2.17, ANKS6
(8 similar OGs)



Homo sapiens

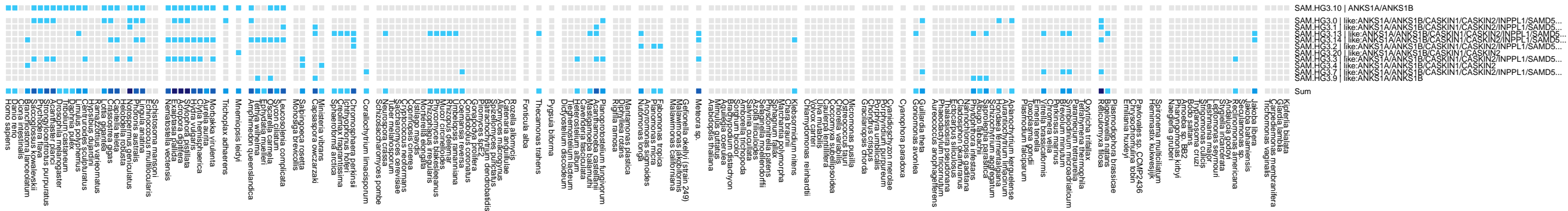
SAM.HG2.18, ANKS3/ASZ1
(7 similar OGs)



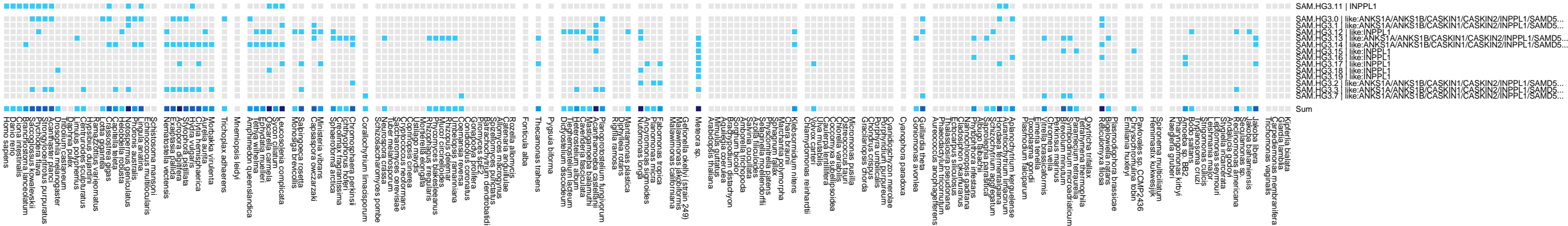
SAM.HG2.5, TNKS/TNKS2
(4 similar OGs)

[illegible]

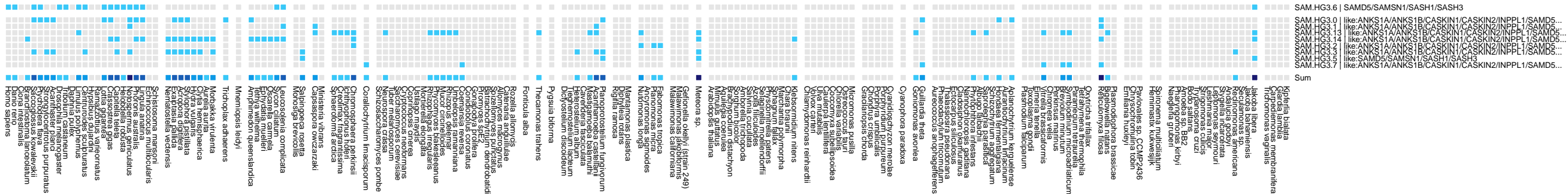
SAM.HG3.10, ANKS1A/ANKS1B
(10 similar OGs)



SAM.HG3.11, INPPL1
(13 similar OGs)



SAM.HG3.6, SAMD5/SAMSN1/SASH1/SASH3
(8 similar OGs)



SAM.HG3.8, CASKIN1/CASKIN2
(9 similar OGs)



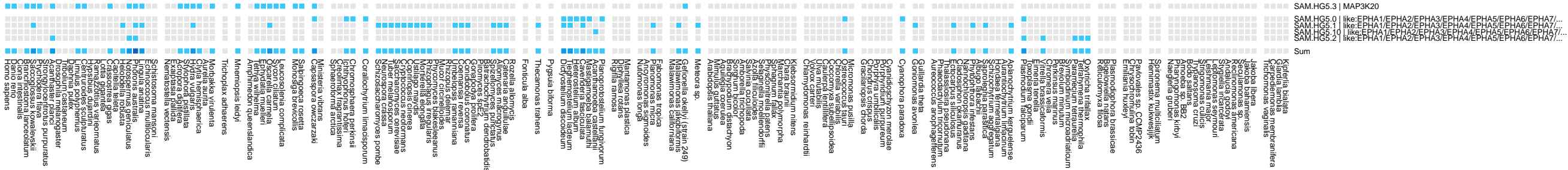
SAM.HG4.1, L3MBTL3/L3MBTL4/SAMD1/SAMD7/SAMD11/SAMD13/SCMH1/SCML1/SCML2/SCML4/SFMBT1/SFMBT2
(0 similar OGs)

SAM.HG4.1 | L3MBTL3/L3MBTL4/SAMD1/SAMD7/SAMD11/SAMD13/SCMH1...

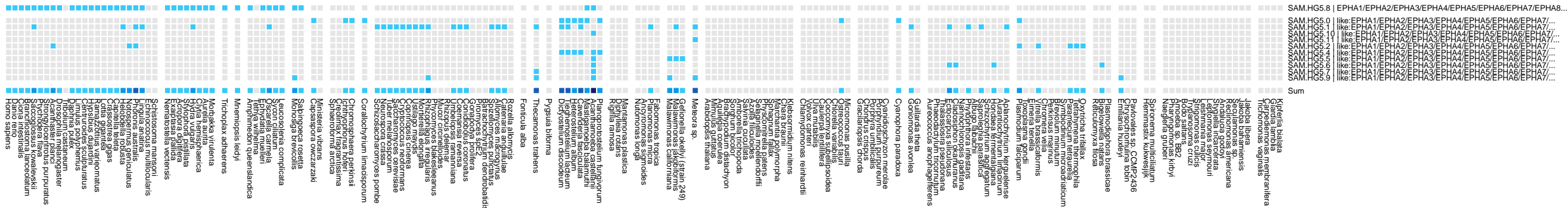
Sum

[illegible]

SAM.HG5.3, MAP3K20
(4 similar OGs)



SAM.HG5.8, EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/EPHA8/EPHA10/EPHB1/EPHB2/EPHB3/EPHB4/EPHB6
(10 similar OGs)



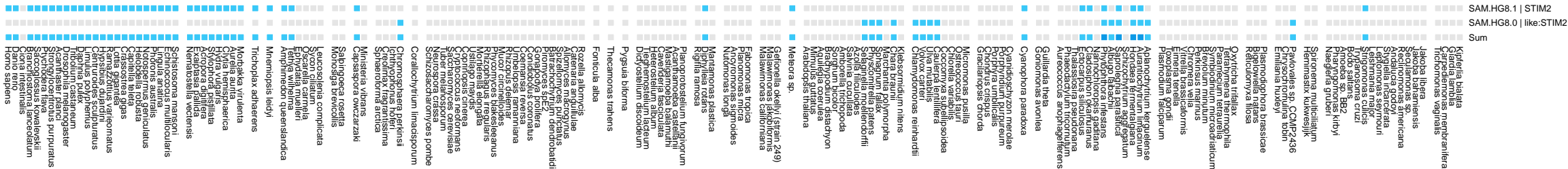
SAM.HG6.0, AP002336.5/KAZN/PPFIA1/PPFIA2/PPFIA3/PPFIA4/PPFIBP1/PPFIBP2
(0 similar OGs)

SAM.HG6.0 | AP002336.5/KAZN/PPFIA1/PPFIA2/PPFIA3/PPFIA4/PPF...

Sum

[illegible]

SAM.HG8.1, STIM2
(1 similar OGs)



SAM.HG9.0, SAMD4A/SAMD4B
(0 similar OGs)

[illegible]

SLED.HG1.0, SCMH1/SCML2/SCML4/SFMBT1/SFMBT2
(0 similar OGs)

[illegible]

YAF2_RYBP.HG1.0, RYBP/YAF2
(0 similar OGs)

YAF2_RYBP.HG1.0 | RYBP/YAF2

[illegible]