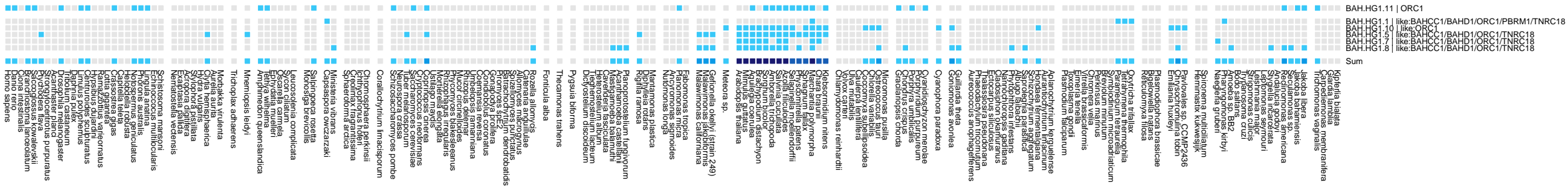




**ADD\_DNMT3.HG1.0, DNMT3A/DNMT3B/DNMT3L**  
(0 similar OGs)



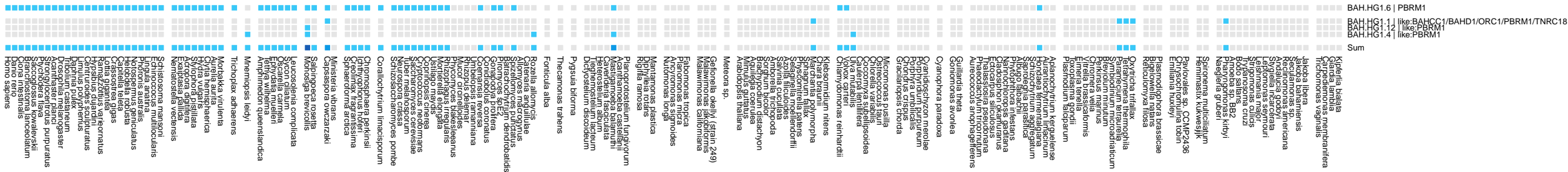
**BAH.HG1.11, ORC1**  
**(5 similar OGs)**



**BAH.HG1.2, ASH1L**  
(2 similar OGs)

[illegible]

**BAH.HG1.6, PBRM1**  
**(3 similar OGs)**



**BAH.HG1.9, BAHCC1/BAHD1/TNRC18**  
(4 similar OGs)



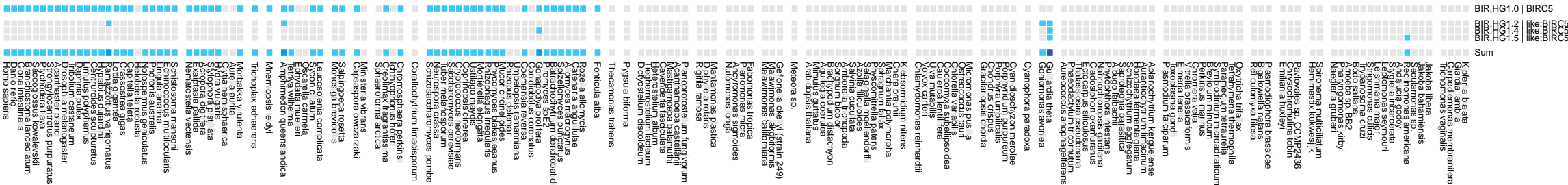
**BAH.HG2.0, DNMT1**  
**(0 similar OGs)**







**BIR.HG1.0, BIRC5**  
(3 similar OGs)

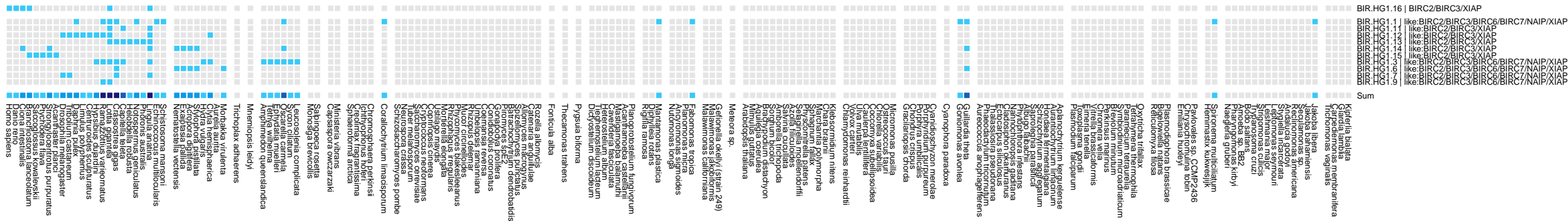


[illegible]

**BIR.HG1.10, BIRC6**  
(5 similar OGs)

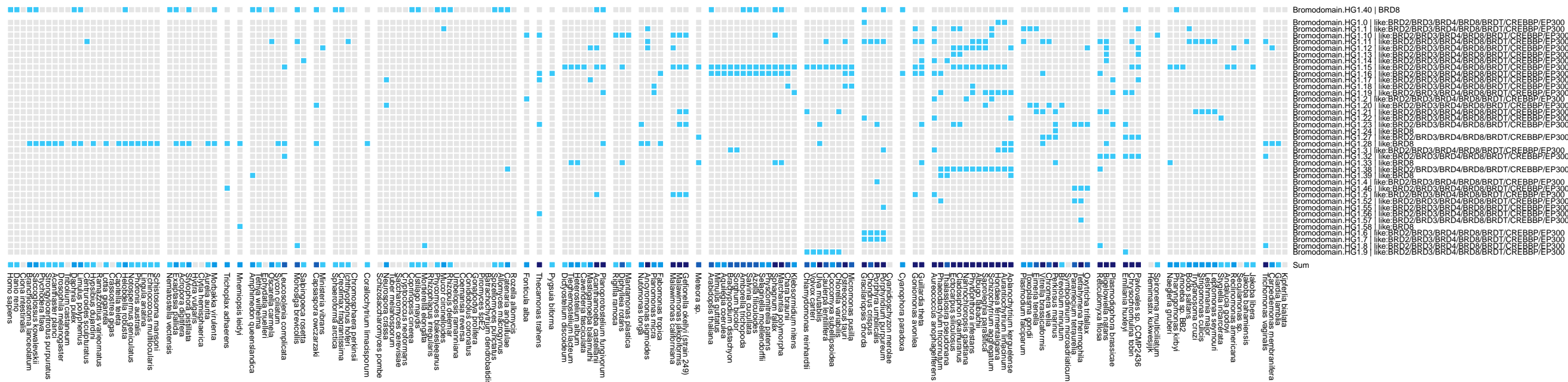
[illegible]

**BIR.HG1.16, BIRC2/BIRC3/XIAP**  
(10 similar OGs)

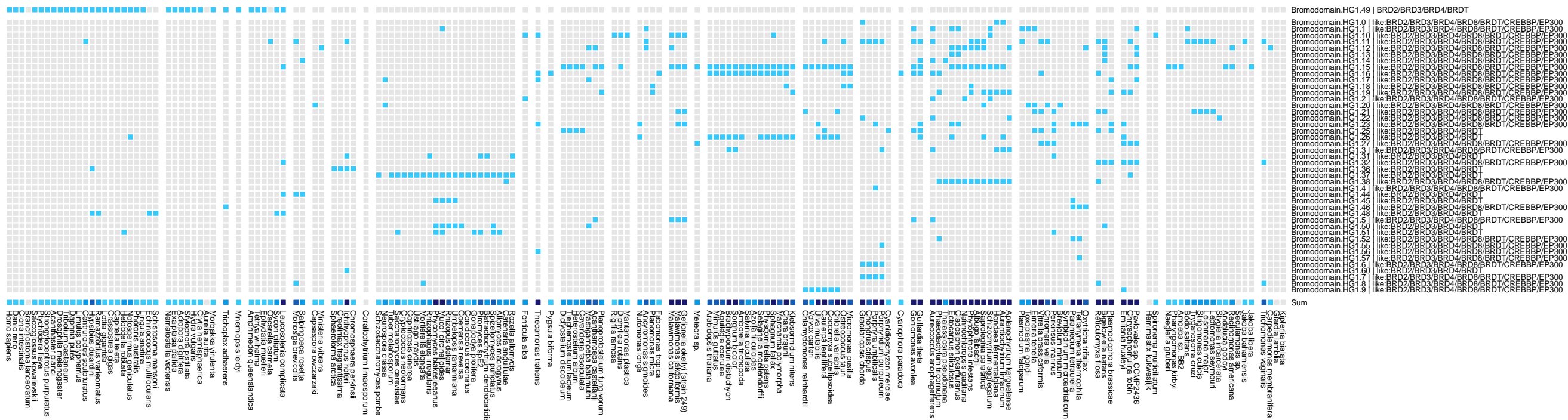




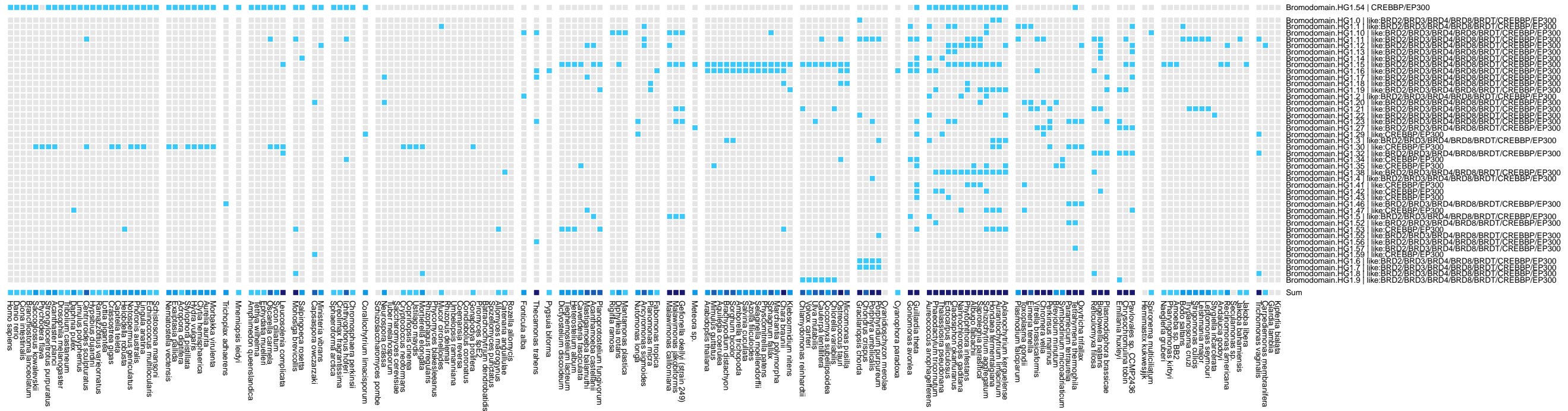
**(37 similar OGs)**



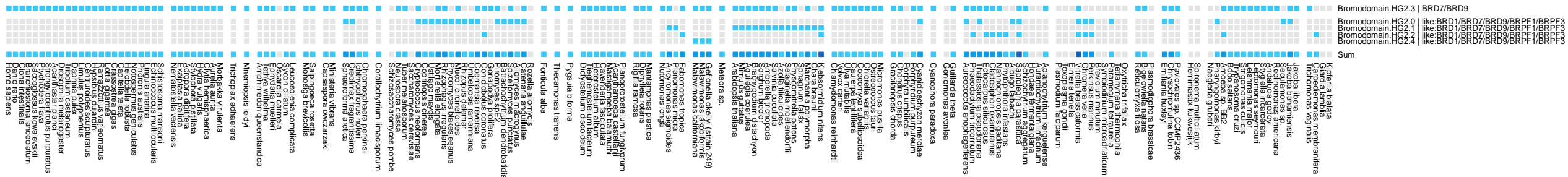
**Bromodomain.HG1.49, BRD2/BRD3/BRD4/BRDT  
(43 similar OGs)**



**Bromodomain.HG1.54, CREBBP/EP300**  
(42 similar OGs)

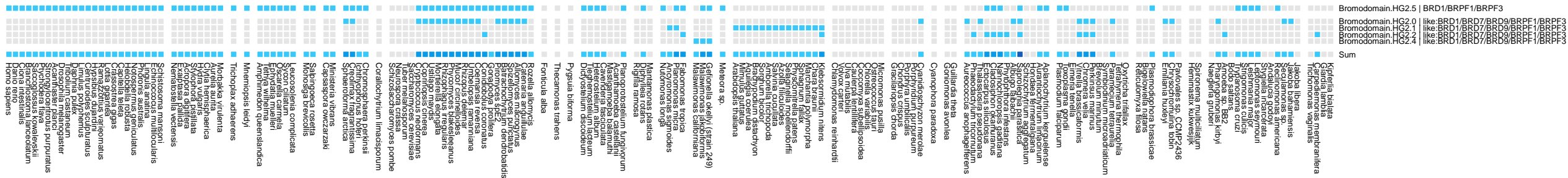


**Bromodomain.HG2.3, BRD7/BRD9**  
(4 similar OGs)

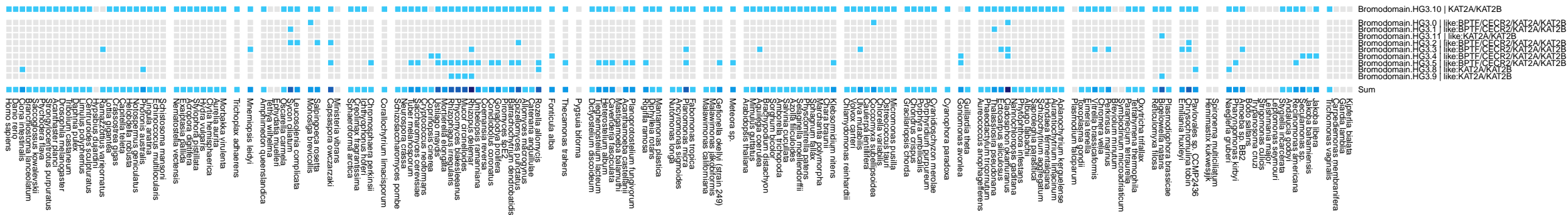




**Bromodomain.HG2.5, BRD1/BRPF1/BRPF3**  
(4 similar OGs)



**Bromodomain.HG3.10, KAT2A/KAT2B**  
(9 similar OGs)

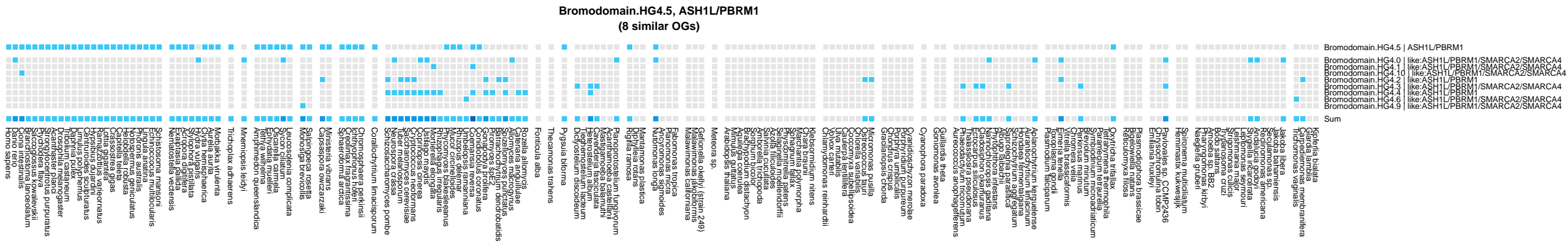


**Bromodomain.HG3.6, BPTF**  
(6 similar OGs)

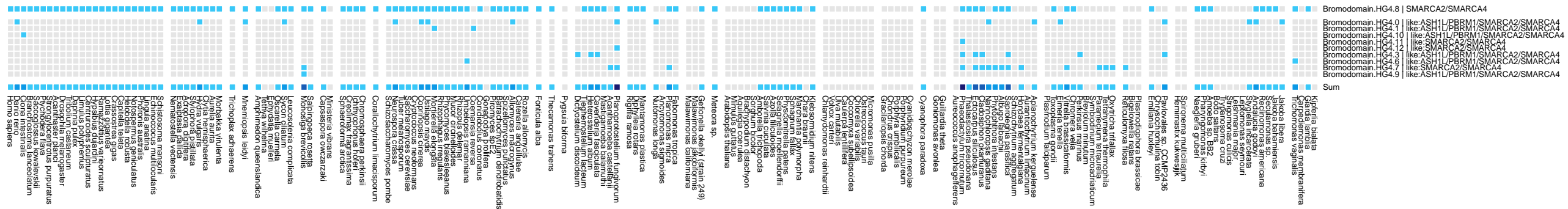


**Bromodomain.HG3.7, CECR2**  
(6 similar OGs)

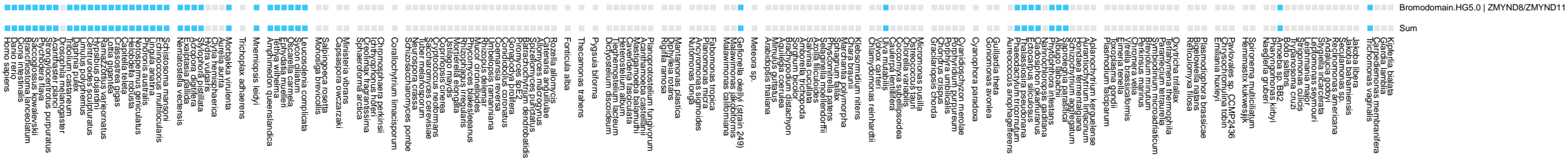




**Bromodomain.HG4.8, SMARCA2/SMARCA4  
(9 similar OGs)**



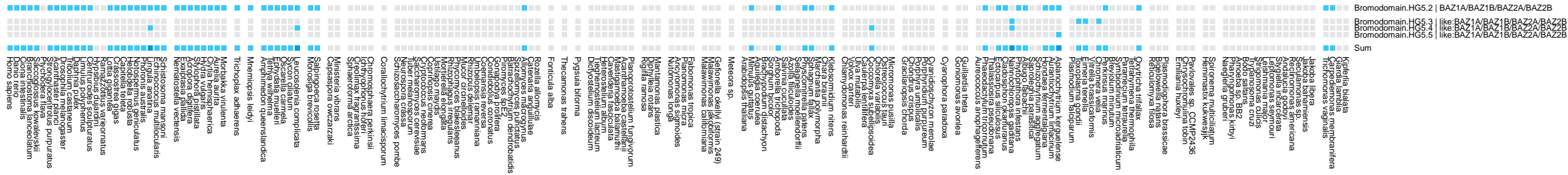
**Bromodomain.HG5.0, ZMYND8/ZMYND11**  
(0 similar OGs)







**Bromodomain.HG5.2, BAZ1A/BAZ1B/BAZ2A/BAZ2B**  
(3 similar OGs)



**Bromodomain.HG6.0, TAF1/TAF1L**  
(0 similar OGs)





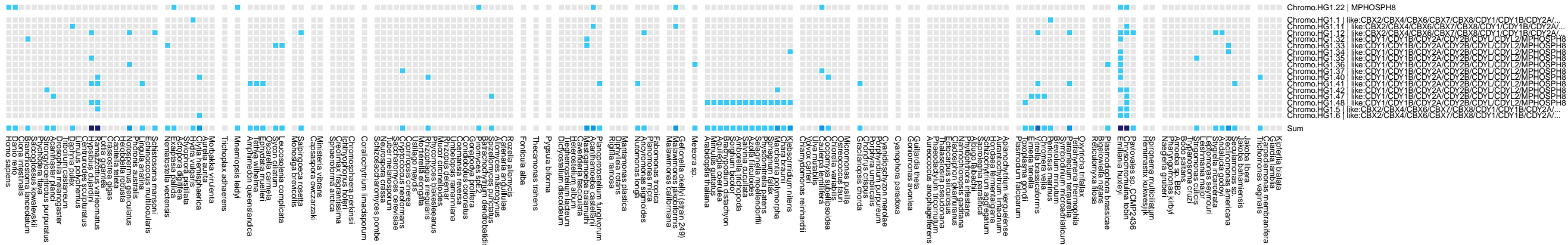
**Bromodomain.HG8.0, ATAD2/ATAD2B**  
(0 similar OGs)



**Chromo.HG1.0, SUV39H1/SUV39H2**  
(0 similar OGs)

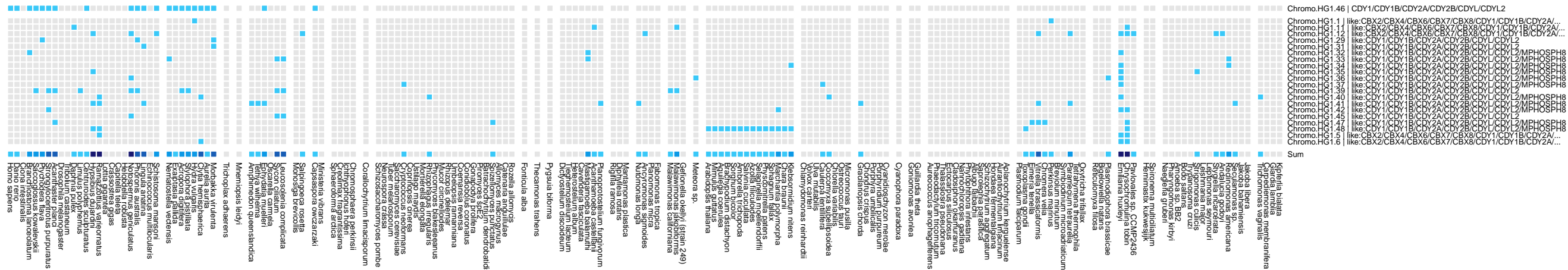


**Chromo.HG1.22, MPHOSPH8**  
(16 similar OGs)



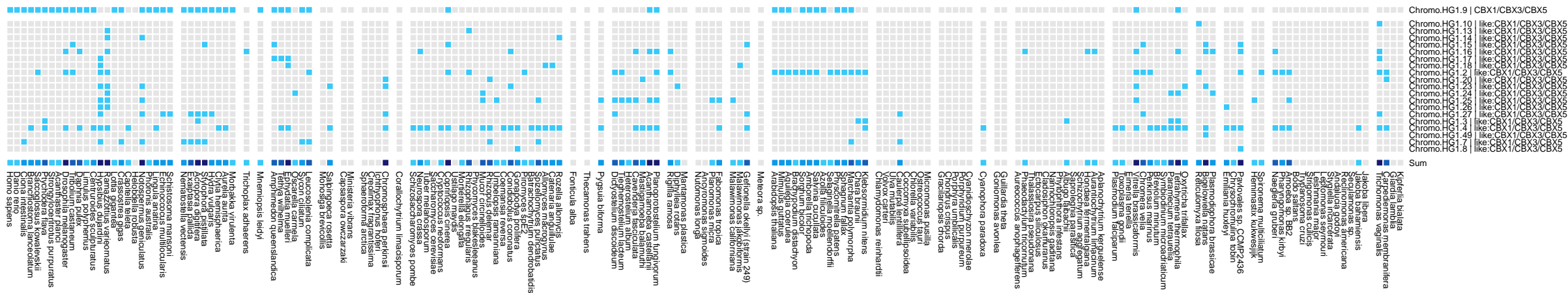


**Chromo.HG1.46, CDY1/CDY1B/CDY2A/CDY2B/CDYL/CDYL2  
(20 similar OGs)**





**Chromo.HG1.9, CBX1/CBX3/CBX5  
(19 similar OGs)**



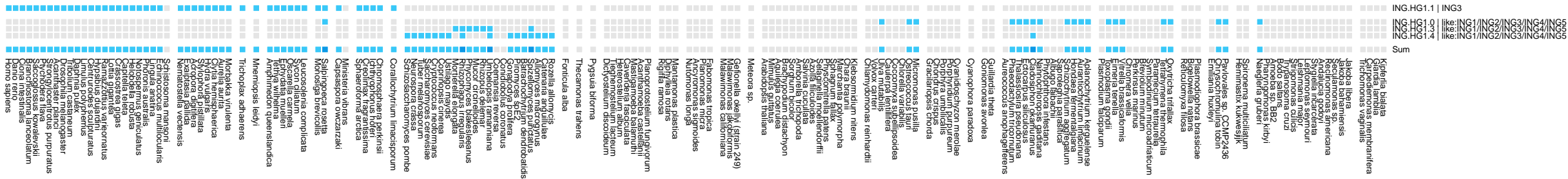
**Chromo.HG4.1, CHD1/CHD2**  
(1 similar OGs)



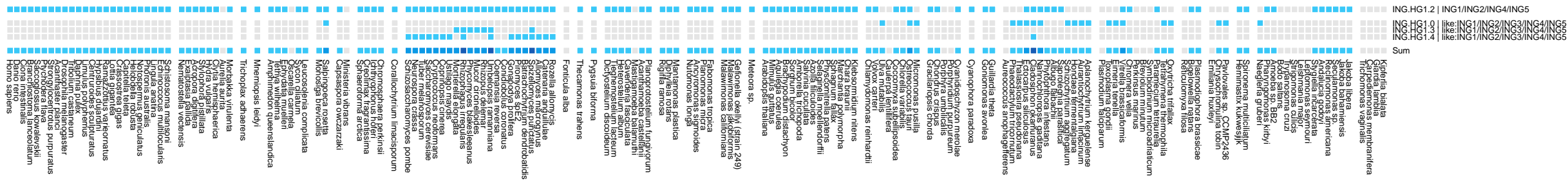


**Chromo.HG5.6, CHD6/CHD7/CHD8/CHD9**  
(7 similar OGs)

**ING.HG1.1, ING3**  
**(3 similar OGs)**



**ING.HG1.2, ING1/ING2/ING4/ING5**  
**(3 similar OGs)**



**MBT.HG1.1, PHF20L1**  
(2 similar OGs)

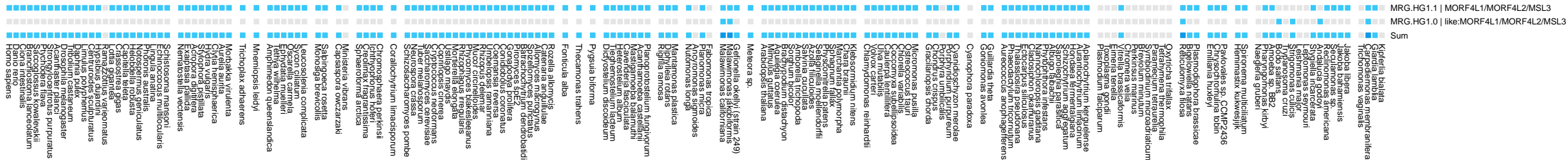
[illegible]

MBT.HG1.2, AL031681.3/L3MBTL1/L3MBTL2/L3MBTL3/L3MBTL4/MBTD1/SCMH1/SCML2/SFMBT1/SFMBT2  
(2 similar OGs)

[illegible]



**MRG.HG1.1, MORF4L1/MORF4L2/MSL3**  
(1 similar OGs)

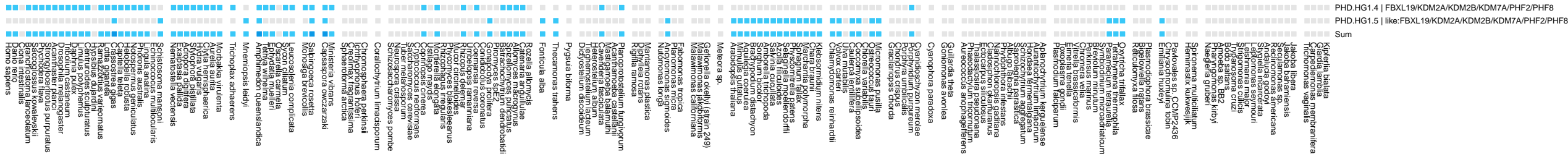


PHD.HG1.1, CXXC1/DIDO1/PHF3  
(0 similar OGs)





**PHD.HG1.4, FBXL19/KDM2A/KDM2B/KDM7A/PHF2/PHF8**  
(1 similar OGs)



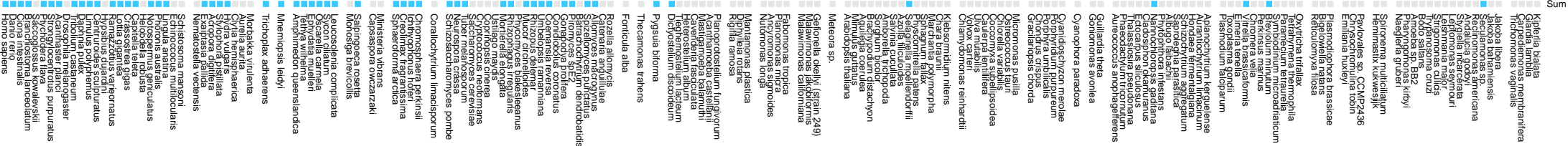


PHD.HG11.2, PYGO1/PYGO2  
(3 similar OGs)

PHD.HG11.2   PYGO1/PYGO2			
PHD.HG11.0	like: PYGO1/PYGO2	PHD.HG11.1	like: PYGO1/PYGO2
PHD.HG11.3	like: PYGO1/PYGO2	PHD.HG11.2	like: PYGO1/PYGO2
Sum			
			Kibelia blata
			Gardia lamia
			Capredonora membranifera
			Ichonoma vaginalis
			Jakoba lilera
			Ichonoma sp.
			Requionoma americana
			Requionoma sp.
			Syngelia incarcerata
			Leptomonas seymouri
			Ichonoma sp.
			Strigomonas ciliis
			Ichonoma sp.
			Ichonoma cruzi
			Ameeba sp. BB2
			Paratyphomonas kribbii
			Nesogelia gubleri
			Strigomonas multiciliatum
			Peromastix kakabaspik
			Pavlovales sp. CCMP236
			Paratyphomonas tobin
			Emiliana huxleyi
			Plasmodiophora brassicae
			Bigelowella natans
			Reticulomyxa litosa
			Oxytricha inflexa
			Leptammina thermophila
			Leptammina sp.
			Symbiodinium microadriaticum
			Bevilacqua minutum
			Ichonoma sp.
			Otomonera vella
			Ytrrella brassicaformis
			Plexoplasma gondii
			Plasmodium talcaparum
			Apicomplexum kerquelinense
			Apicomplexum infectum
			Ichonoma sp.
			Schizocytium aggregatum
			Spinolegia parasilica
			Ichonoma sp.
			Phylophthoria infestans
			Neurochloopsis patitana
			Ichonoma sp.
			Ectocarpus aliculosus
			Phaeosyston pseudonana
			Phaeosyston sp.
			Aureococcus anophagefferens
			Guillardia theta
			Goniomonas avorlea
			Cyanophora paradoxa
			Cyanothece menziesii
			Cyanothece menziesii
			Popillia umbellalis
			Chondrus crispus
			Chlamydomonas obsoleta
			Micromonas pusilla
			Ichonoma sp.
			Chlorella variabilis
			Coccomyxa stipellipsoides
			Chlorella variabilis
			Uva mutabilis
			Volvox carterii
			Chlamydomonas reinhardtii
			Klebsomidium nitens
			Ichonoma sp.
			Meristima polymorpha
			Shrago unilax
			Ichonoma sp.
			Seagelia molleioriffii
			Ichonoma sp.
			Asoua filicoides
			Ichonoma sp.
			Amphoele tricipoda
			Sorghum bicolor
			Ichonoma sp.
			Amphoele cerulea
			Mimulus guttatus
			Arabidopsis thaliana
			Meteora sp.
			Geleoniella okeilyi (strain 249)
			Malawimonas jakobiformis
			Malawimonas talioniana
			Falkomonas tropica
			Ichonoma sp.
			Automonas sigmoides
			Automonas longa
			Mantamonas plastica
			Ripplia rotans
			Ripplia ramosa
			Planorostellum turquoyrum
			Ichonoma sp.
			Massigamoeba batemuthi
			Cavenderia lasquolata
			Ichonoma sp.
			Leptomastix leceum
			Dicystostellum discoidum
			Pygmaia biliforma
			Thecamonas trahens
			Fonitcula alba
			Rozella allomyces
			Ichonoma sp.
			Spizeliomyces pulchellus
			Ichonoma sp.
			Spizeliomyces dendrobaidis
			Ichonoma sp.
			Gonapodya prolifera
			Gonidobolus coronatus
			Ichonoma sp.
			Umbelopsis ranamiana
			Ichonoma sp.
			Rhizopus delmar
			Ichonoma sp.
			Rhizopus irregularis
			Pycomyces blakesleeanus
			Ichonoma sp.
			Ustilago maydis
			Coprinopsis cretacea
			Ichonoma sp.
			Saccharomyces cerevisiae
			Tuber melanosporum
			Ichonoma sp.
			Schizosaccharomyces pombe
			Corallorhynchium limacisporum
			Chrysomphalea perkinsii
			Ichonoma sp.
			Cretilinax fragrantissima
			Sphaerodorma arctica
			Ministeria vibrans
			Capaspora owczarzaki
			Salpingoeca rosetta
			Monosiga brevicollis
			Leucosolenia complicata
			Scolecophagus
			Ichonoma sp.
			Epiphybia muelleri
			Fethya wilhelma
			Amphimedon queenslandica
			Memipopsis ledyi
			Tritonopsis adhaerens
			Morbekia vitellenta
			Aurelia aurita
			Cyvia tenuisphaerica
			Ichonoma sp.
			Syngonia pistillata
			Actinoptera digitata
			Ichonoma sp.
			Nematostella vectensis
			Schistosoma mansoni
			Echinococcus multilocularis
			Ichonoma sp.
			Notospermus geniculatus
			Helicobella robusta
			Crasostrea gigas
			Lottia gigantea
			Ichonoma sp.
			Hyphalus dujardini
			Centruroides sculpturatus
			Ichonoma sp.
			Daphnia pulex
			Ichonoma sp.
			Thalassia castaneum
			Acanthaster planci
			Strongylocentrotus purpuratus
			Ichonoma sp.
			Saccoglossus kowalevskii
			Branchiostoma lanceolatum
			Ichonoma sp.
			Homo sapiens



**(0 similar OGs)**

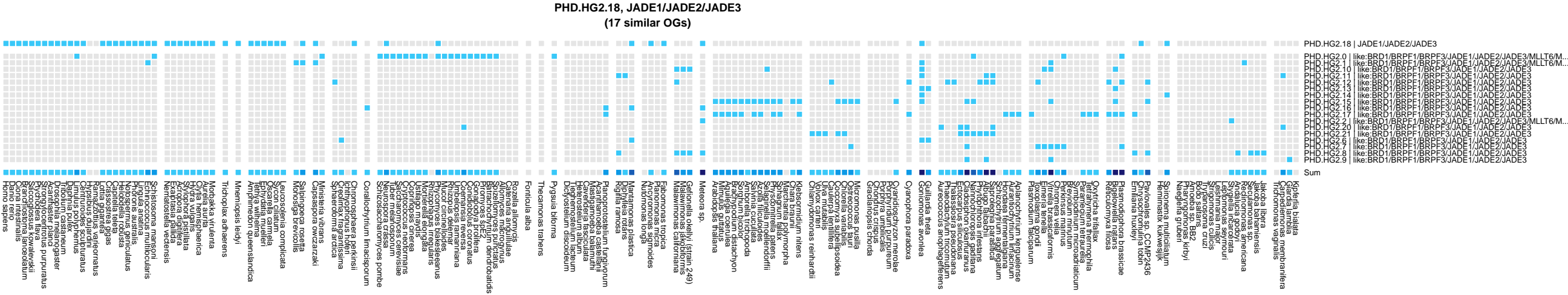


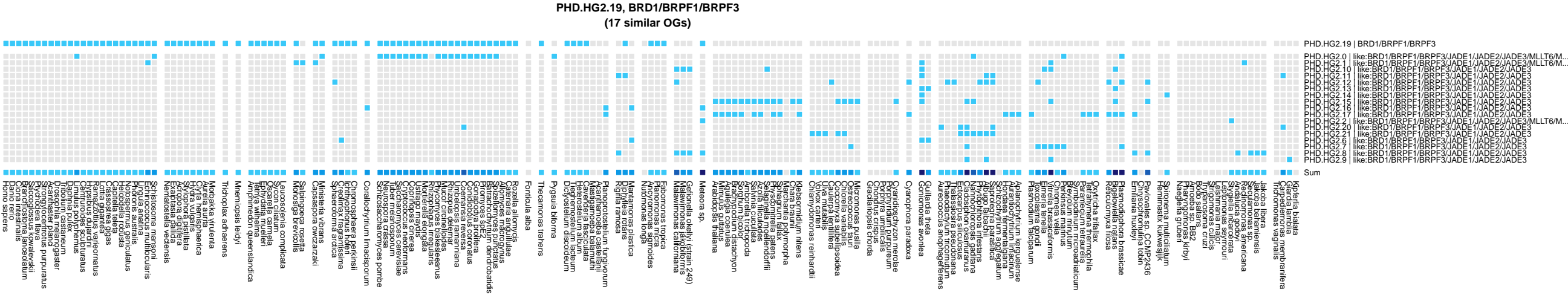




PHD.HG15.0, RSF1  
(1 similar OGs)







**PHD.HG2.4, MLLT6/MLLT10**  
(4 similar OGs)

	PHD.HG2.4   MLLT6/MLLT10	PHD.HG2.1   like BRD1/BRPF1/BRPF3/JADE1/JADE2/JADE3/MLLT6/MLLT10/PHF14	PHD.HG2.2   like BRD1/BRPF1/BRPF3/JADE1/JADE2/JADE3/MLLT6/MLLT10/PHF14	PHD.HG2.3   like BRD1/BRPF1/BRPF3/JADE1/JADE2/JADE3/MLLT6/MLLT10/PHF14	Sum
Karyella blattae					
Caraculomys membrariera					
Trichonotus vagrans					
Jakuba ibera					
Jakuba bahamensis					
Reithromys americana					
Synaldis godoyi					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrahymena thermophila					
Sarcomyxa tetraura					
Reithromys americana					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrahymena thermophila					
Sarcomyxa tetraura					
Reithromys americana					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrahymena thermophila					
Sarcomyxa tetraura					
Reithromys americana					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrahymena thermophila					
Sarcomyxa tetraura					
Reithromys americana					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrahymena thermophila					
Sarcomyxa tetraura					
Reithromys americana					
Leptomys seymouri					
Salmiana major					
Trichonotus cruzi					
Bodo salinae B2					
Phrynomys itoyi					
Naegeleia guber					
Sipronema multicalum					
Hermasix kuhwiesjki					
Pavlovites sp. CCM2-436					
Chrysotromaria tibi					
Emiliaia tuberyi					
Plasmodiophora brassicae					
Reticulomyia illosa					
Oxytricha trifallax					
Tetrah					

**PHD.HG2.5, PHF14**  
(4 similar OGs)

[illegible]

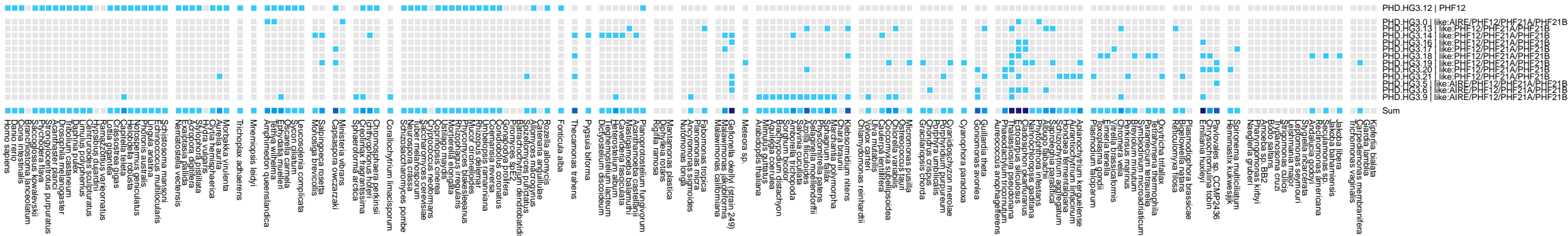
**PHD.HG20.0, ASXL1/ASXL2/ASXL3**  
(0 similar OGs)

PHD.HG20.0 | ASXL1/ASXL2/ASXL3

Sum

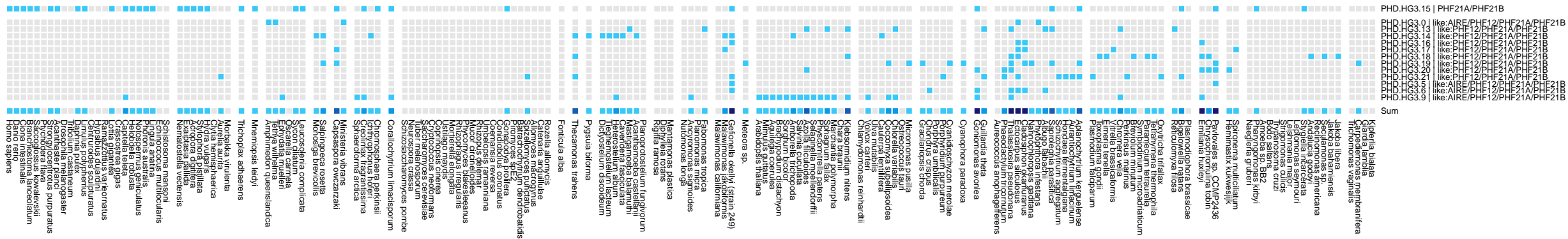
[illegible]

**PHD.HG3.12, PHF12**  
(12 similar OGs)

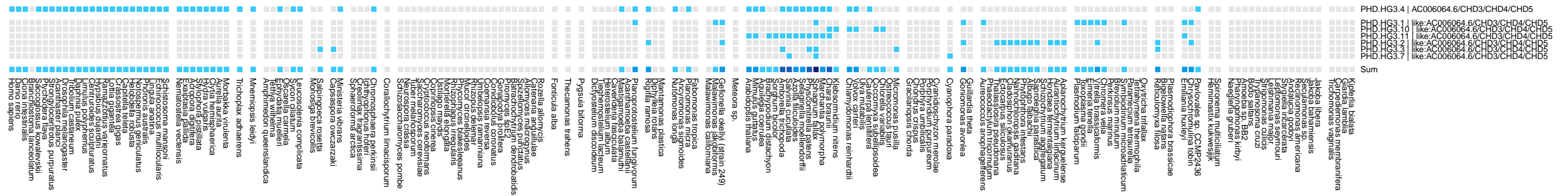




**PHD.HG3.15, PHF21A/PHF21B**  
(12 similar OGs)



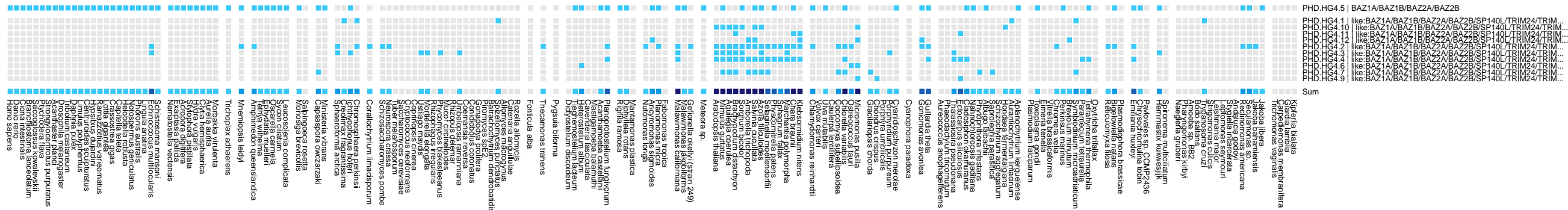
**PHD.HG3.4, AC006064.6/CHD3/CHD4/CHD5  
(6 similar OGs)**



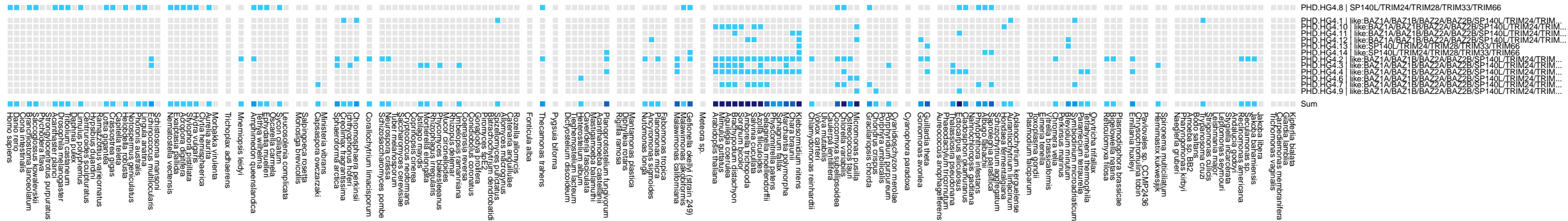




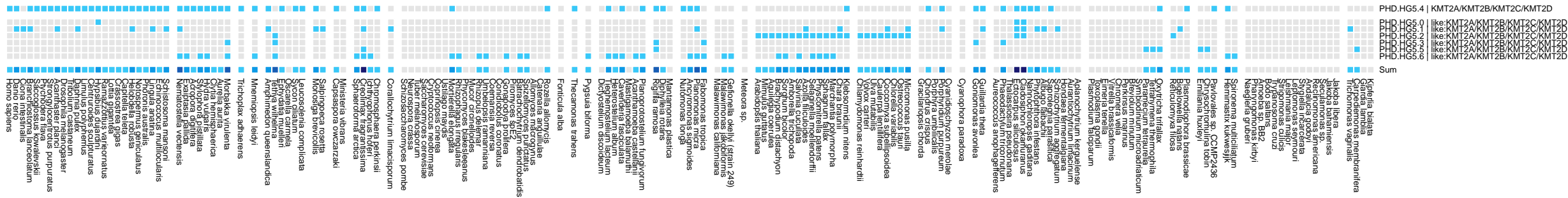
**PHD.HG4.5, BAZ1A/BAZ1B/BAZ2A/BAZ2B**  
(10 similar OGs)



**PHD.HG4.8, SP140L/TRIM24/TRIM28/TRIM33/TRIM66**  
(12 similar OGs)



**PHD.HG5.4, KMT2A/KMT2B/KMT2C/KMT2D**  
(6 similar OGs)



**PHD.HG6.4, PHF10**  
**(4 similar OGs)**

[illegible]



**PHD.HG6.6, DPF1/DPF2**  
**(5 similar OGs)**





**PHD.HG7.0, PHF13/PHF23**  
(1 similar OGs)



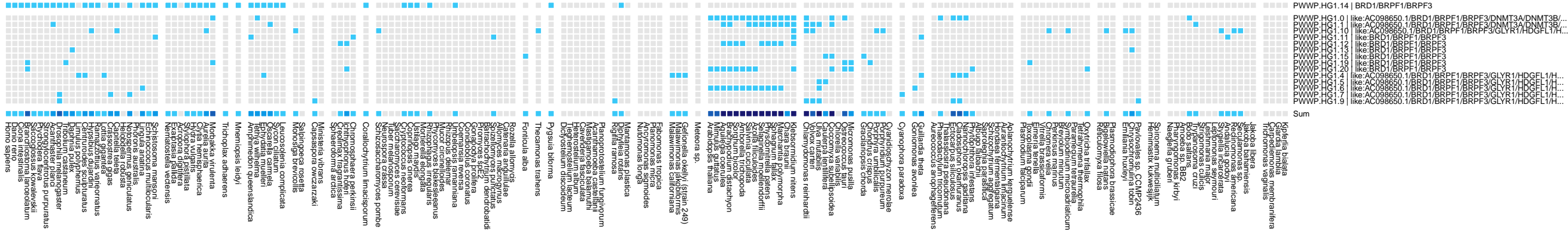
**PHD.HG7.3, KMT2E**  
(2 similar OGs)



**PHD.HG8.2, KDM4A/KDM4B/KDM4C/KDM5A/KDM5B/KDM5C/KDM5D**  
(2 similar OGs)



**PWWP.HG1.14, BRD1/BRPF1/BRPF3**  
(14 similar OGs)



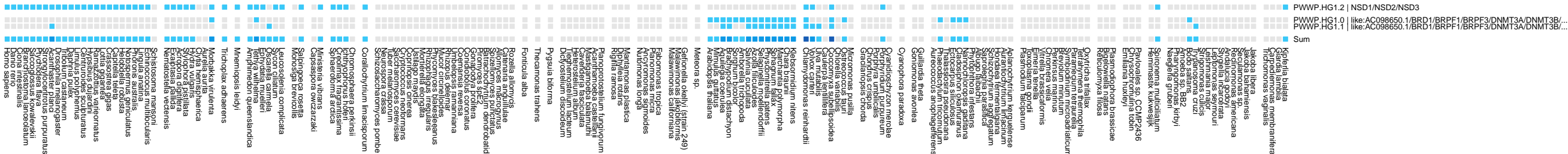
**PWWP.HG1.17, ZMYND8**  
(8 similar OGs)

[illegible]

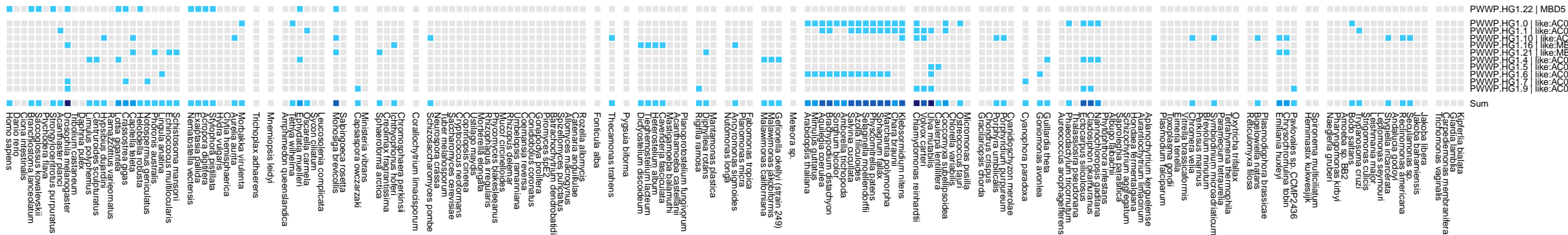




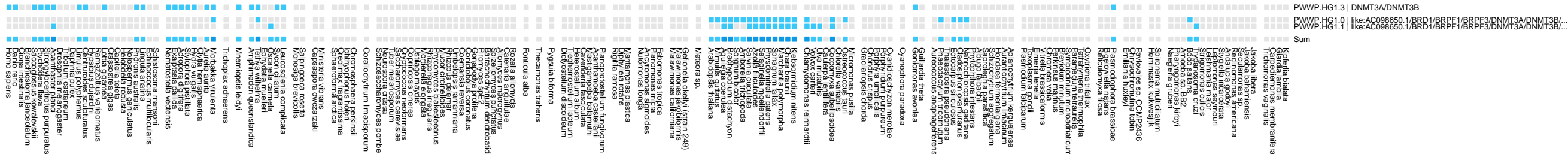
**PWWP.HG1.2, NSD1/NSD2/NSD3**  
(2 similar OGs)



**PWWP.HG1.22, MBD5**  
(10 similar OGs)



**PWWP.HG1.3, DNMT3A/DNMT3B**  
(2 similar OGs)

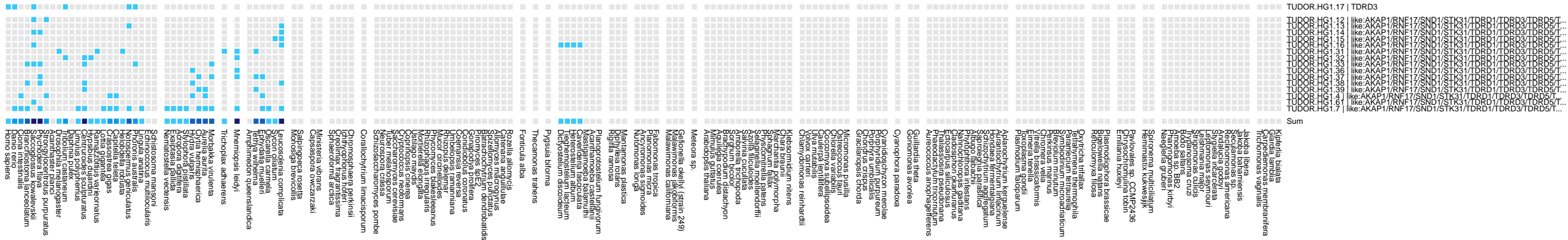




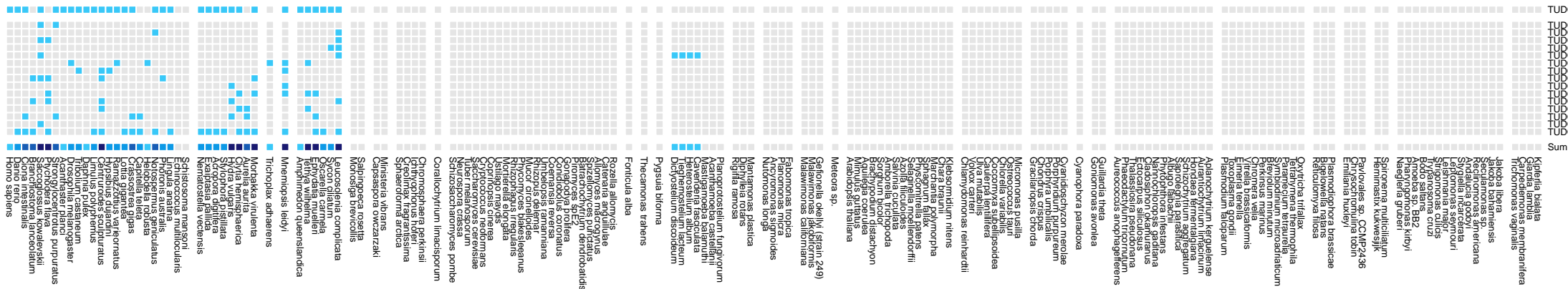




**TUDOR.HG1.17, TDRD3**  
(15 similar OGs)

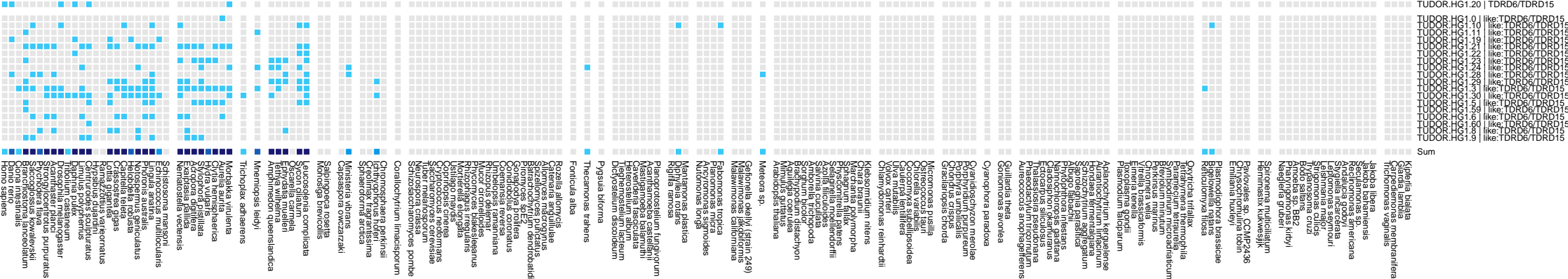


**TUDOR.HG1.18, TDRD9**  
(15 similar OGs)

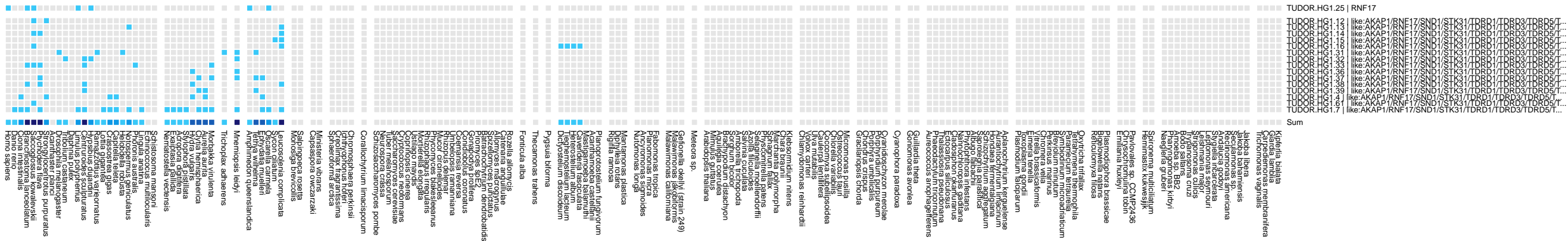




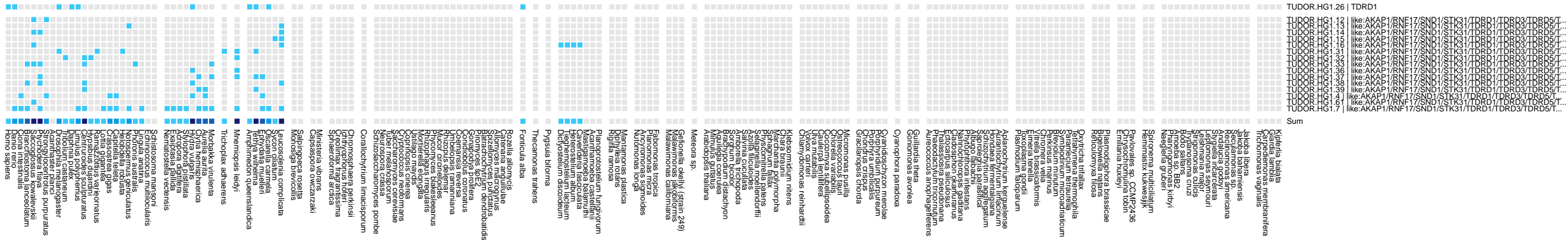
**TUDOR.HG1.20, TDRD6/TDRD15**  
**(18 similar OGs)**



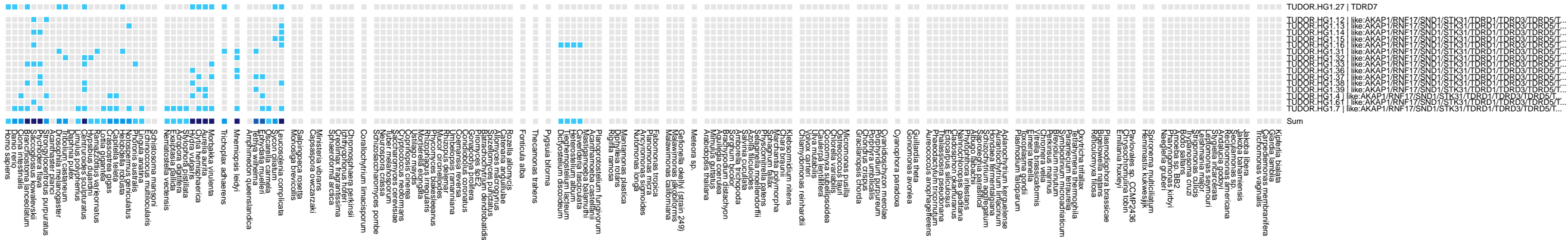
**TUDOR.HG1.25, RNF17**  
(15 similar OGs)



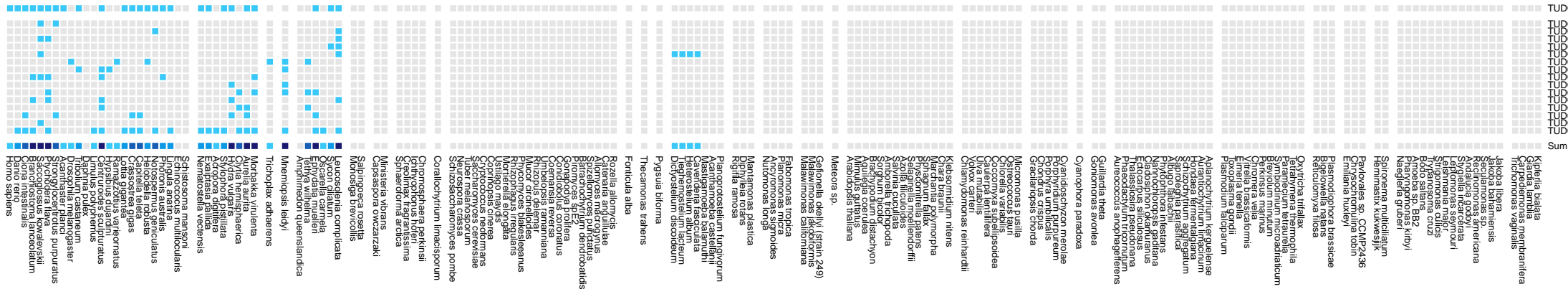
**TUDOR.HG1.26, TDRD1**  
(15 similar OGs)



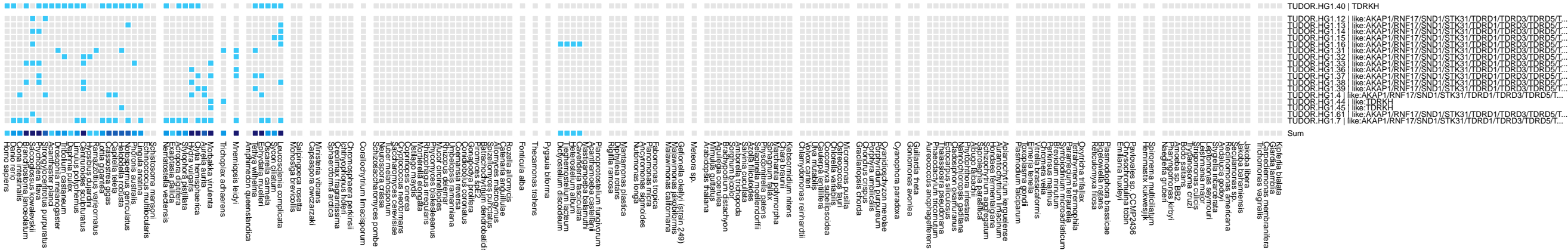
**TUDOR.HG1.27, TDRD7**  
(15 similar OGs)



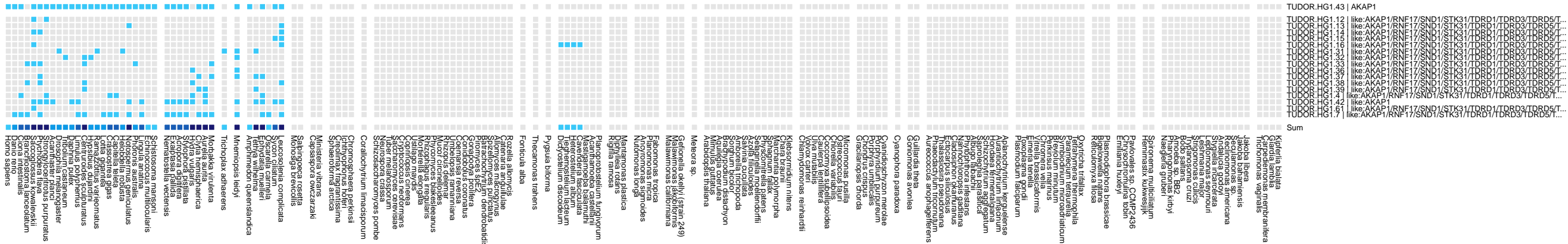
**TUDOR.HG1.34, TDRD5**  
(15 similar OGs)



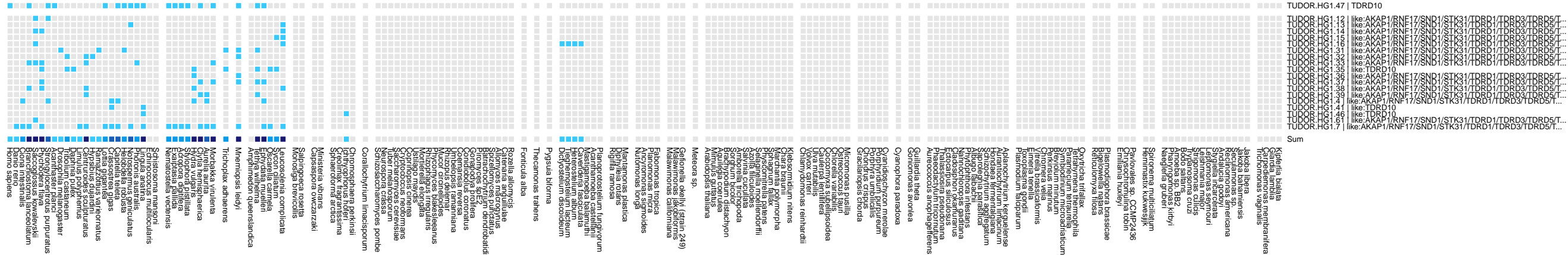
**TUDOR.HG1.40, TDRKH**  
(17 similar OGs)



**TUDOR.HG1.43, AKAP1**  
(16 similar OGs)

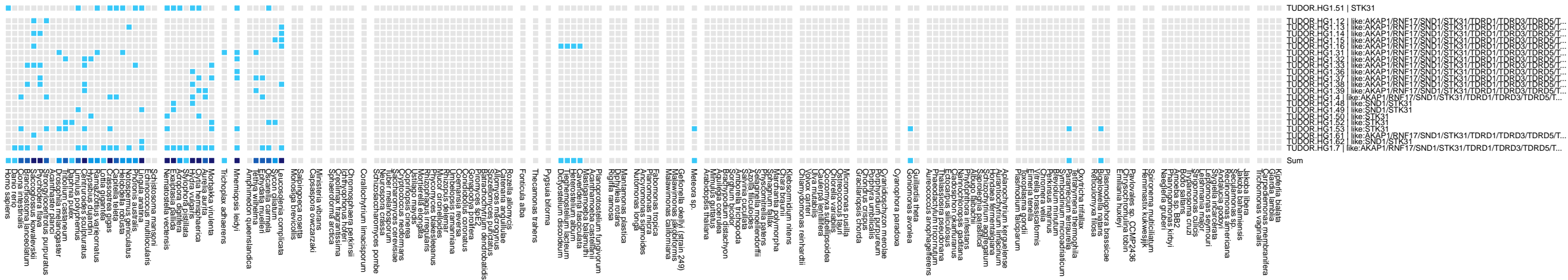


**TUDOR.HG1.47, TDRD10**  
(18 similar OGs)

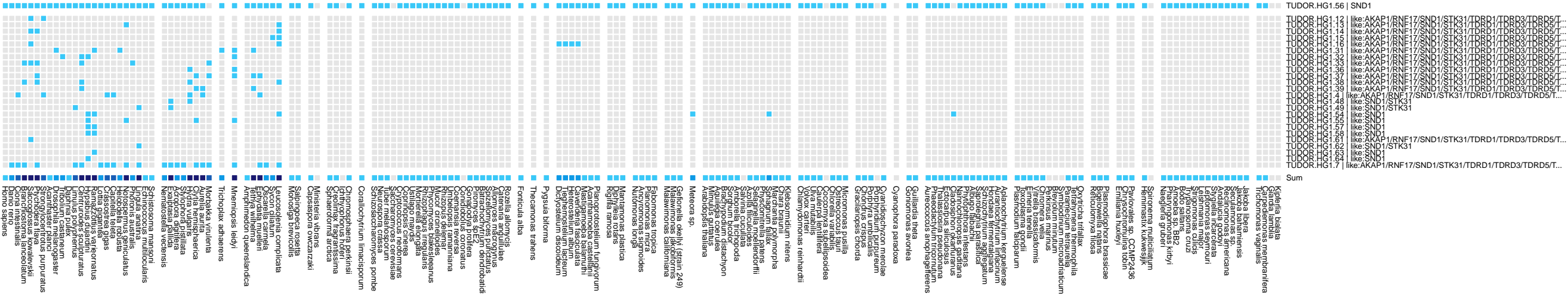




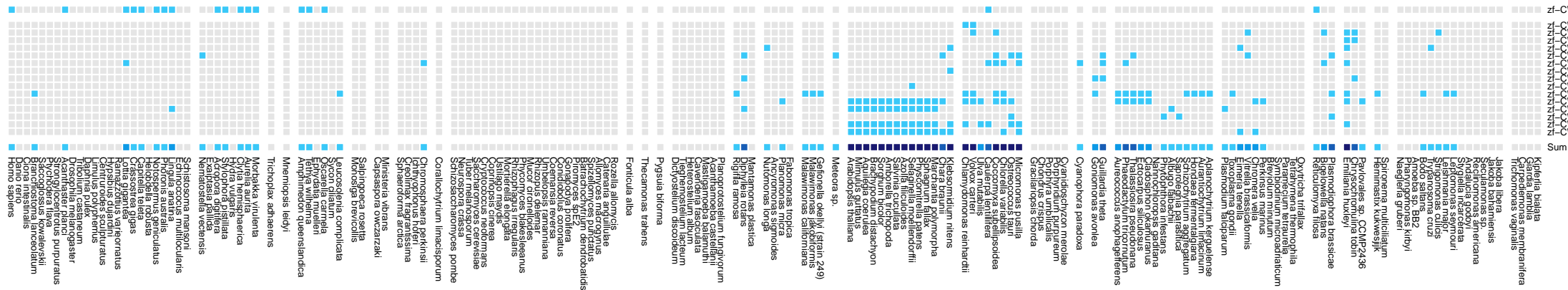
**TUDOR.HG1.51, STK31**  
(21 similar OGs)



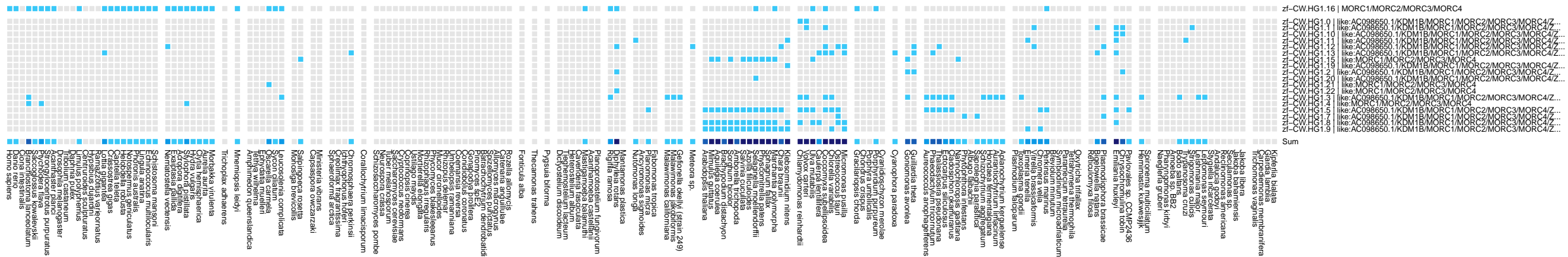
TUDOR.HG1.56, SND1  
(24 similar OGs)



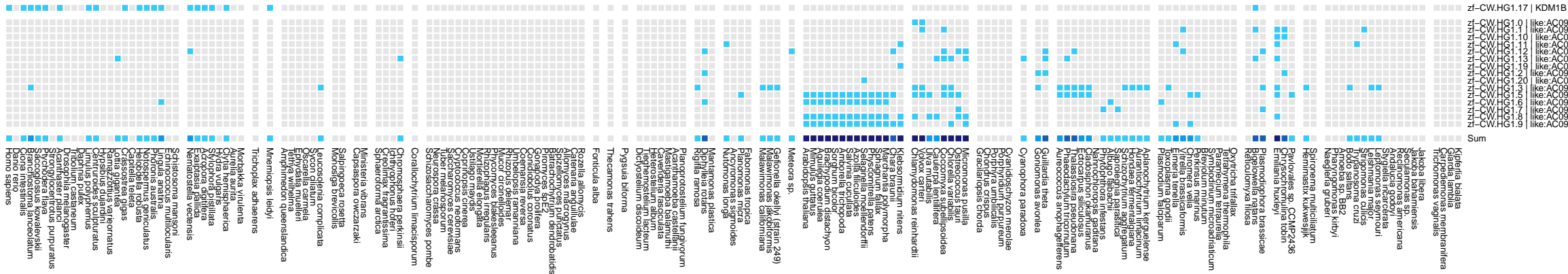
**zf-CW.HG1.14, AC098650.1/ZCWPW2**  
**(15 similar OGs)**



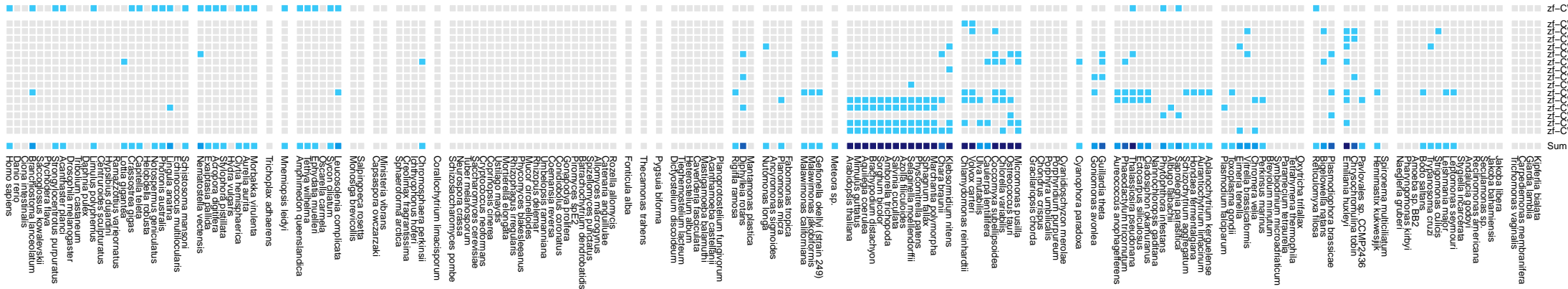
**zf-CW.HG1.16, MORC1/MORC2/MORC3/MORC4**  
(18 similar OGs)



**zf-CW.HG1.17, KDM1B**  
(15 similar OGs)



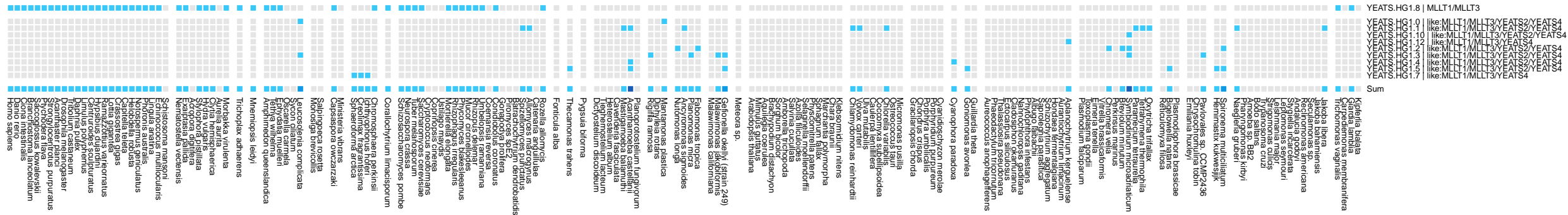
**zf-CW.HG1.18, ZCWPW1**  
**(15 similar OGs)**



**YEATS.HG1.6, YEATS2  
(8 similar OGs)**



**YEATS.HG1.8, MLLT1/MLLT3**  
(9 similar OGs)





**YEATS.HG1.9, YEATS4**  
(9 similar OGs)

