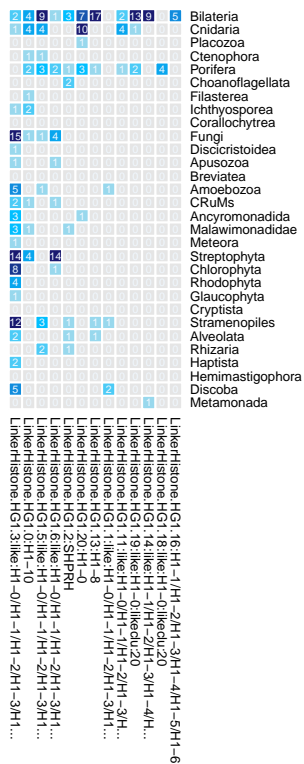


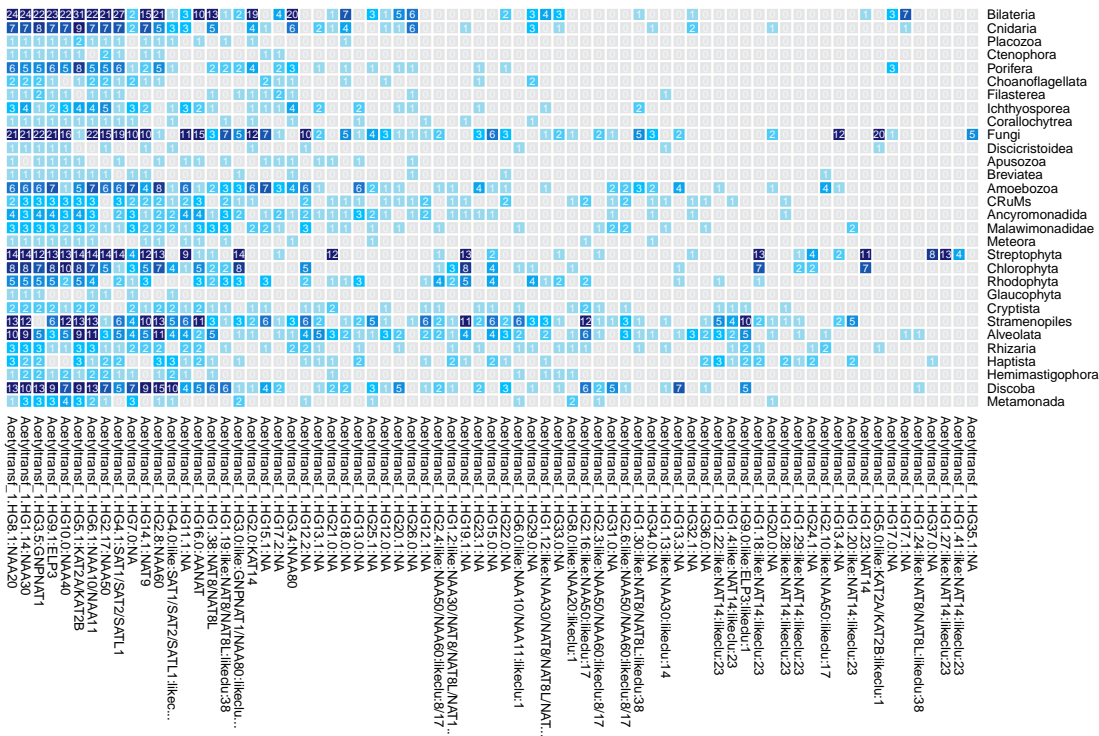
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LinkerHistone OG presence



Acetyltransf_1 OG presence



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Hat1_N OG presence

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	Placozoa
	Ctenophora
5	Porifera
2	Choanoflagellata
2	Filasterea
1	Ichthyosporea
	Corallochytre
21	Fungi
	Discicristoidea
	Apusozoa
	Breviatea
5	Amoebozoa
	CRuMs
3	Ancyromonadida
2	Malawimonadidae
	Meteora
12	Streptophyta
7	Chlorophyta
1	Rhodophyta
	Glaucophyta
	Cryptista
3	Stramenopiles
3	Alveolata
3	Rhizaria
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3	Discoba
	Metamonada

Hat1_N.HG1.0:HAT1

KAT11 OG presence

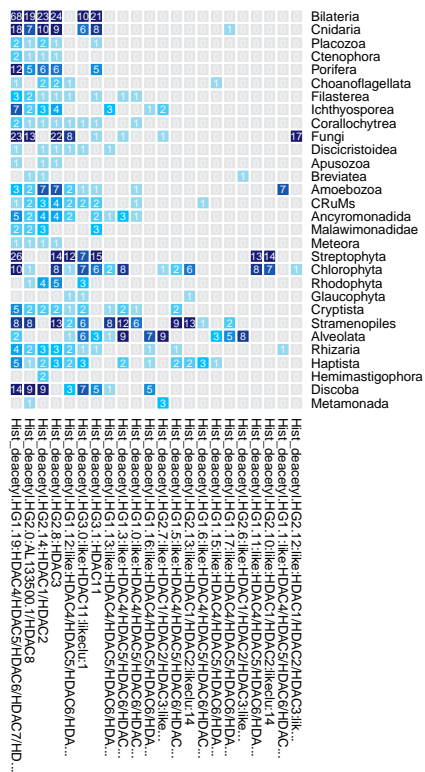
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1	Ctenophora
3	Porifera
2	Choanoflagellata
2	Filasterea
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1	Corallochytrea
1	Fungi
1	Discicristoidea
1	Apusozoa
1	Breviatea
1	Amoebozoa
1	CRuMs
1	Ancyromonadida
1	Malawimonadidae
1	Meteora
16	Streptophyta
3	Chlorophyta
1	Rhodophyta
1	Glaucophyta
2	Cryptista
12	Stramenopiles
1	Alveolata
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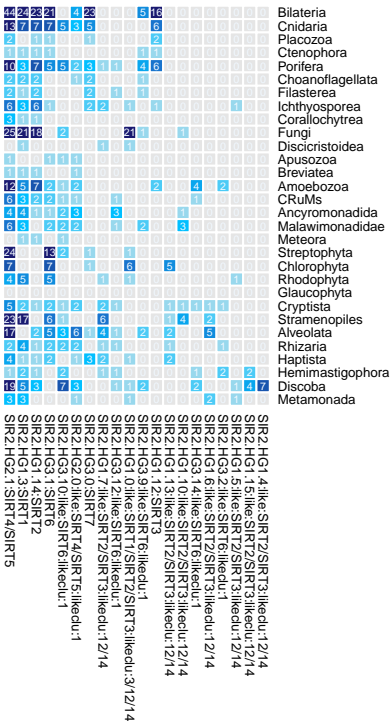
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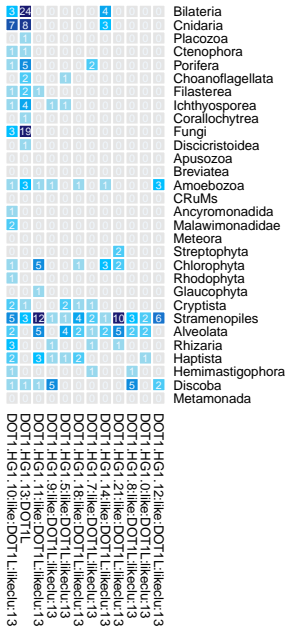
Hist_deacetyl OG presence



SIR2 OG presence



DOT1 OG presence



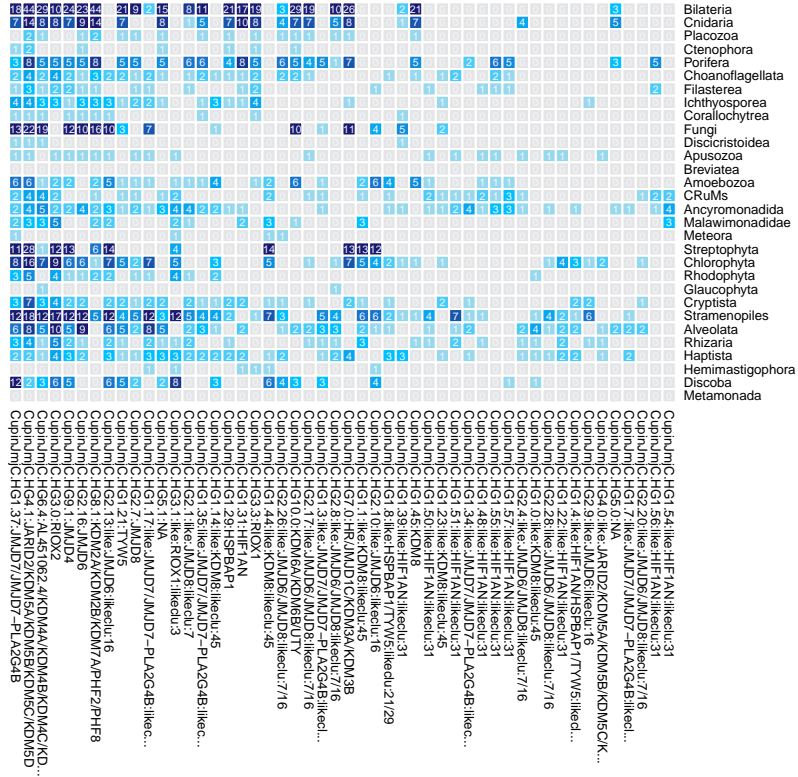
SET OG presence

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7	6	1	Bilateria
7	7	2	Cnidaria
6	5	2	Placozoa
6	5	2	Ctenophora
6	5	2	Porifera
4	2	1	Choanoflagellata
4	2	2	Stolidophora
4	2	2	Flusskiesel
4	2	2	Chlorophyta
4	2	2	Charophyta
2	2	7	Fungi
2	2	7	Discicristoidea
2	2	7	Apusozoa
2	2	7	Breviatea
2	2	7	Amoebozoa
4	2	2	CRuMs
4	2	2	Ancyromonadida
4	2	2	Malawimonadidae
1	6	1	Streptophyta
1	6	7	Chlorophyta
5	3	1	Rhodophyta
5	3	1	Glaucophyta
5	3	1	Cryptista
3	5	1	Stramenopiles
2	2	2	Alveolata
2	2	2	Rhizaria
2	2	2	Haptista
2	2	2	Hemimastigophora
5	3	2	Discoba
5	3	2	Metamonada

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CupinJmjC OG presence



ADD_ATRX OG presence

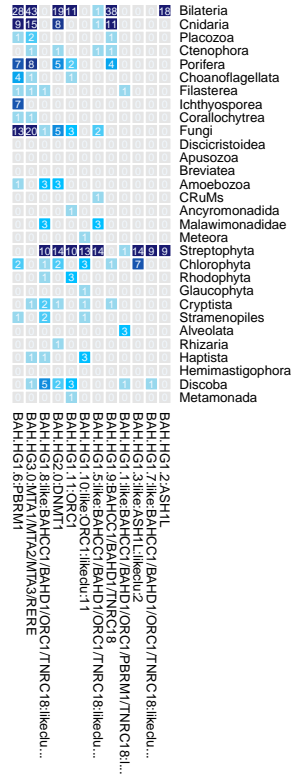
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- ☒ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☒ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytrea
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Meteora
- ☒ Streptophyta
- ☒ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

ADD_ATRX_HG10ATRX

ADD_DNMT3 OG presence

- ☒ Bilateria
- ☒ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☒ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Metecora
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
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- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

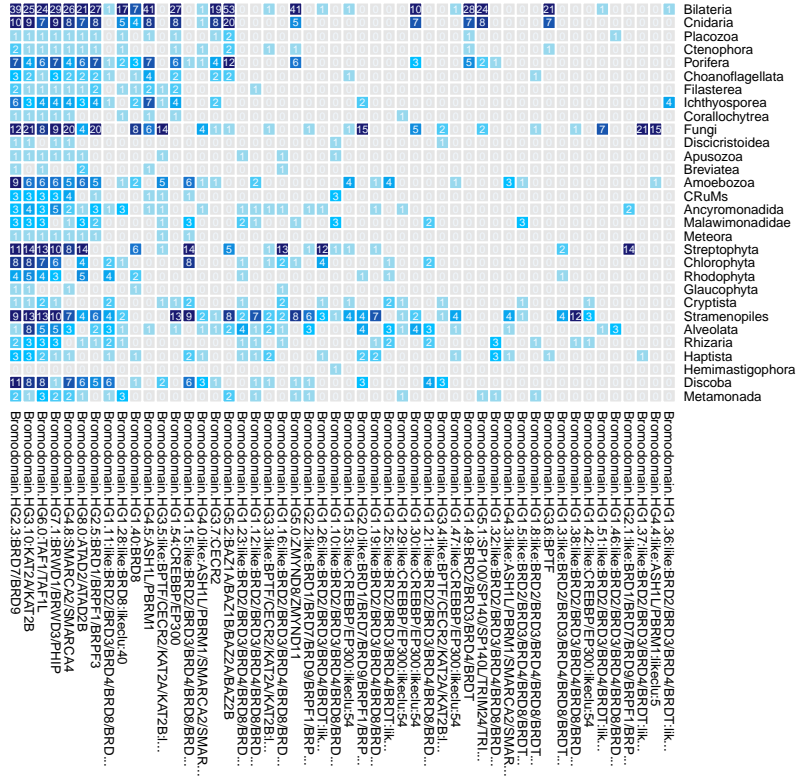
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BIR OG presence

[illegible]

Bromodomain OG presence



Chromo OG presence

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ING OG presence

15	26			Bilateria
12	8			Chidaria
3	1			Placozoa
2	1			Ctenophora
10	6			Porifera
2	2	1		Choanoflagellata
1	1			Filasterea
4	4			Ichthyosporea
1	1			Corallochytre
22		16		Fungi
				Discicristoidea
1				Apusozoa
1				Breviatea
6				Amoebozoa
3				CRuMs
4				Ancyromonadida
3				Malawimonadidae
1				Meteora
14				Streptophyta
5	3			Chlorophyta
5				Rhodophyta
1				Glaucoophyta
2				Cryptista
6	9	1		Stramenopiles
3	5			Alveolata
2				Rhizaria
	2			Haptista
2				Hemmastigophora
8	1			Discoba
				Metamonada

ING_HG1_4:like ING1/ING2/ING3/NG4/NG5/like du...
 ING_HG1_0:like ING1/ING2/ING3/NG4/NG5/like du...
 ING_HG1_1:ING3
 ING_HG1_2:ING1/ING2/ING4/ING5

MBT OG presence

35	16	Bilateria
49	1	Cnidaria
4	1	Placozoa
3	1	Ctenophora
9	1	Porifera
2	1	Choanoflagellata
2	1	Filasterea
		Ichthyosporea
		Corallochytrea
	1	Fungi
		Discicristoidea
		Apusozoa
		Breviatea
		Amoebozoa
		CRuMs
		Ancyromonadida
		Malawimonadidae
		Meteora
		Streptophyta
		Chlorophyta
		Rhodophyta
		Glaucophyta
1		Cryptista
		Stramenopiles
		Alveolata
3	1	Rhizaria
		Haptista
		Hemimastigophora
		Discoba
		Metamonada

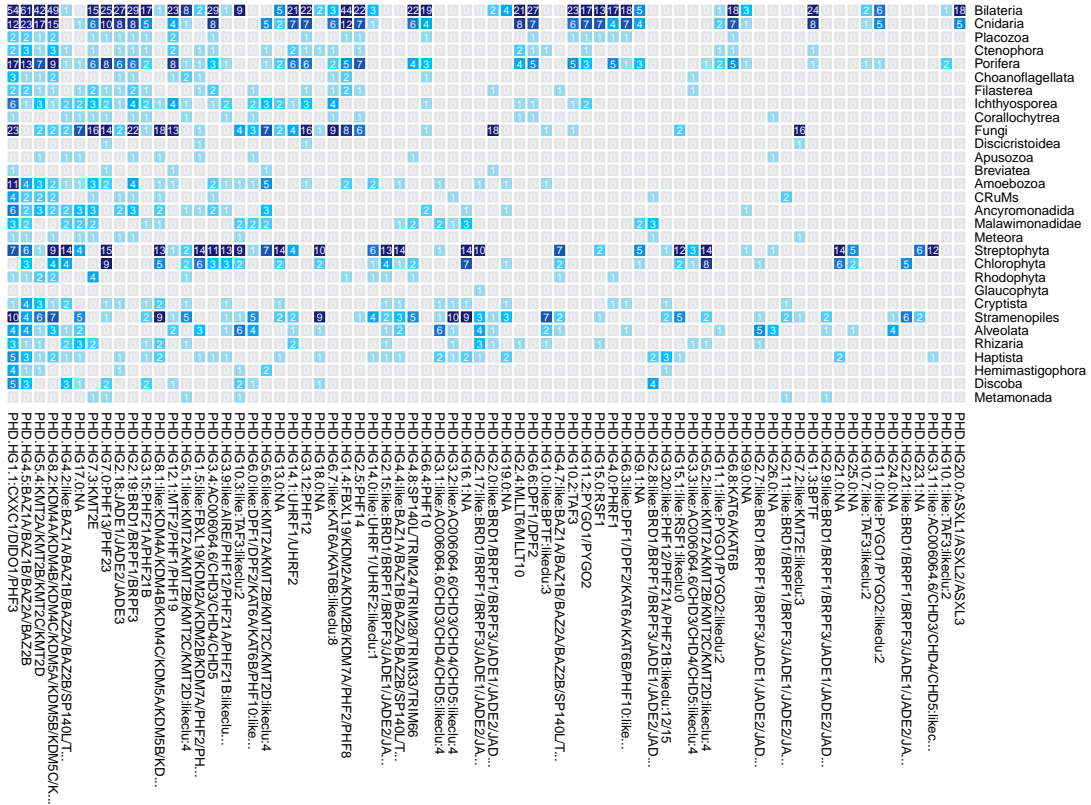
MBT.HQ1.1:PHF20L1
MBT.HQ1.2:AL031691.3:3MBTL1/3MBTL2/3MBTL3/L3...

MRG OG presence

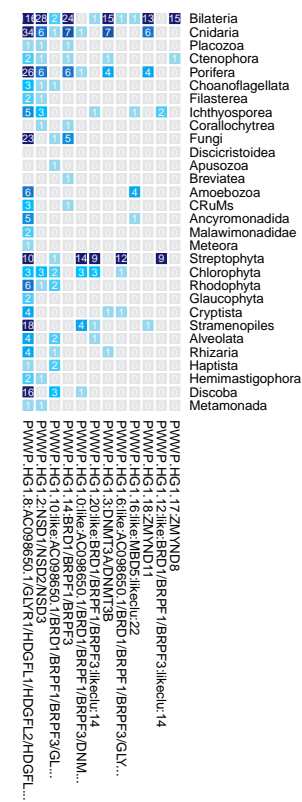
- 46 Bilateria
- 16 Cnidaria
- 2 Placozoa
- 5 Ctenophora
- 11 Porifera
- 4 Choanoflagellata
- 1 Filasterea
- 8 Ichthyosporea
- 1 Corallochytreia
- 24 Fungi
- 1 Discicristoidea
- 1 Apusozoa
- 2 Breviatea
- 1 Amoebozoa
- 1 CRuMs
- 2 Ancyromonadida
- 3 Malawimonadidae
- 1 Metecora
- 14 Streptophyta
- 8 Chlorophyta
- 5 Rhodophyta
- 1 Glaucophyta
- 4 Cryptista
- 16 Stramenopiles
- 1 Alveolata
- 3 Rhizaria
- 3 Haptista
- 5 Hemimastigophora
- 7 Discoba
- 2 Metamonada

MRG_HQ1.1:MORF4L1:MORF4L2:MSC3

PHD OG presence



PWWP OG presence



SAWADEE OG presence

	Bilateria
	Cnidaria
	Placozoa
	Ctenophora
	Porifera
	Choanoflagellata
	Filasterea
	Ichthyosporea
	Corallochytreia
	Fungi
	Discicristoidea
	Apusozoa
	Breviatea
	Amoebozoa
	CRuMs
	Ancyromonadida
	Malawimonadidae
	Meteora
	Streptophyta
	Chlorophyta
	Rhodophyta
	Glaucophyta
	Cryptista
	Stramenopiles
	Alveolata
	Rhizaria
	Haptista
	Hemimastigophora
	Discoba
	Metamonada

SAWADEE_HG1.0:NA
SAWADEE_HG1.2:NA

TTD OG presence

- ☒ Bilateria
- ☒ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☒ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Meteoza
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

TTD_HQ10UHRF1/UHRF2

TUDOR OG presence

26	6	2	4	1	1	4	5	16	3	6	3	8	26	7	0	1	1	12	7	16	1	6	8	6	5	Bilateria	TUDOR_HG119like.TDRD6/DRD15.likedu.20
7	2	2	6	3	2	2	8	4	3	6	7	10	6	7	5	2	7	6	3	1	3	3	3	3		Cnidaria	TUDOR_HG15like.TDRD6/DRD15.likedu.20
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Placozoa	TUDOR_HG16like.TDRD6/DRD15.likedu.20
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Ctenophora	TUDOR_HG122like.TDRD6/DRD15.likedu.20
7	1	3	2	3	2	1	2	3	6	2	2	6	3	4	3	1	3	4	1	2	5	5	2		Porifera	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Choanoflagellata	TUDOR_HG121like.TDRD6/DRD15.likedu.20	
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Filasterea	TUDOR_HG134.TDRD5	
20	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Ichthyosporia	TUDOR_HG142like.AKAP1/RNF7/SND1/STK31/DRD1/...	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Corallochytra	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Fungi	TUDOR_HG143.AKAP1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Discicristoidea	TUDOR_HG142like.AKAP1.likedu.43	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Apusozoa	TUDOR_HG135like.TDRD10.likedu.47	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Breviatea	TUDOR_HG122.TDRD7	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Amoebozoa	TUDOR_HG142.TDRD10	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		CRuMs	TUDOR_HG143.AKAP1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Ancyromonadida	TUDOR_HG142like.AKAP1.likedu.43	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Malawimonadidae	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Meteora	TUDOR_HG122.TDRD7	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Streptophyta	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Chlorophyta	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Rhodophyta	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Glaucochyta	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Cryptista	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Stramenopiles	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Alveolata	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Rhizaria	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Haptista	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Hemimastigophora	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Discoba	TUDOR_HG123like.TDRD6/DRD15.likedu.20	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Metamonada	TUDOR_HG123like.TDRD6/DRD15.likedu.20	

zf-CW OG presence

26	17	11	7	8		Bilateria
18						Cnidaria
						Placozoa
2						Ctenophora
5			5			Porifera
						Choanoflagellata
						Filasterea
						Ichthyosporea
						Corallochytrae
						Fungi
						Discicristoidea
						Apusozoa
						Breviatea
						Amoebozoa
						CRuMs
						Ancyromonadida
						Malawimonadidae
						Meteora
4	2	1	6		5	Streptophyta
2						Chlorophyta
						Rhodophyta
						Glaucochyta
						Cryptista
1	1	5	3	1		Stramenopiles
1	1	2	1		2	Alveolata
1	1	1		1		Rhizaria
	1	2			1	Haptista
5						Hermimastigophora
						Discoba
						Metamonada
zf-CW	HG2	0	NA			
zf-CW	HG1	9	like	AC098650	1	KDM1B/MORC1/MORC2/M...
zf-CW	HG1	8	like	AC098650	1	KDM1B/MORC1/MORC2/M...
zf-CW	HG1	14	AC098650	1	ZCWPV2	
zf-CW	HG1	6	like	AC098650	1	KDM1B/ZCWPV1/ZCWPV2...
zf-CW	HG1	15	AC098650	1	KDM1B/ZCWPV1/ZCWPV2...	
zf-CW	HG1	18	ZCWPV1			
zf-CW	HG1	15	like	AC098650	1	KDM1B/MORC1/MORC2/M...
zf-CW	HG1	13	like	AC098650	1	KDM1B/MORC1/MORC2/M...
zf-CW	HG1	13	like	AC098650	1	KDM1B/MORC1/MORC2/M...
zf-CW	HG1	3	like	AC098650	1	KDM1B/MORC1/MORC2/M...

7	20		Bilateria
7	3		Cnidaria
6	9		Placozoa
6	5		Ctenophora
6	5	1	Porifera
2			Choanoflagellata
5			Filasterea
5			Ichthyopsorea
2			Corallochytrea
2	7	2	Fungi
			Discicristoidea
			Apusozoa
7	4	2	Brevitarsia
5			Amyxozoa
3			CRuMs
4			Ancyromonadida
4			Malawimonadidae
1			Nectarea
1			Streptophyta
8			Chlorophyta
8			Rhodophyta
2			Glaucophytes
2			Cryptista
1			Stramenopiles
5			Alveolata
5			Rhizaria
5			Haptista
5			Hermimastigophora
1			Dicoba
1			Metamonada

YEATS.HG1.3.1:like:MLLT1/MLLT3/YEAT52/YEATS4.1:like
YEATS.HG1.1.1:like:MLLT1/MLLT3/YEAT52/YEATS4.1:like
YEATS.HG1.8.1:MLLT1/MLLT3
YEATS.HG1.6.1:YEAT52
YEATS.HG1.9.1:YEAT54

SNF2 N OG presence

[illegible]

ASF1_hist_chap OG presence

25	Bilateria
8	Cnidaria
1	Placozoa
7	Ctenophora
6	Porifera
1	Choanoflagellata
11	Filasterea
4	Ichthyosporea
	Corallochytre
26	Fungi
	Discocristoidea
1	Apusozoa
11	Breviatea
8	Amoebozoa
3	CRuMs
4	Ancyromonadida
4	Malawimonadidae
1	Meteora
14	Streptophyta
8	Chlorophyta
5	Rhodophyta
2	Glaucoophyta
3	Cryptista
15	Stramenopiles
10	Alveolata
4	Rhizaria
3	Haptista
7	Heminastigophora
8	Discoba
2	Metamonada

ASF1_hist_chap.HG1.0:likeASF1A/ASF1B:likecu.1
ASF1_hist_chap.HG1.1:ASF1A/ASF1B

CAF1A OG presence

22	Bilateria
7	Cnidaria
1	Placozoa
1	Ctenophora
5	Porifera
2	Choanoflagellata
1	Filasterea
4	Ichthyosporea
1	Corallochytre
16	Fungi
1	Discicristoidea
1	Apusozoa
1	Breviatea
6	Amoebozoa
2	CRuMs
1	Ancyromonadida
3	Malawimonadidae
1	Meteora
14	Streptophyta
7	Chlorophyta
4	Rhodophyta
1	Glaucophyta
1	Cryptista
18	Stramenopiles
3	Alveolata
2	Rhizaria
1	Haptista
1	Hemimastigophora
1	Discoba
1	Metamonada

CAF1A.HG1.0:CAF1A

CHZ OG presence

	Bilateria
	Cnidaria
	Placozoa
	Ctenophora
	Porifera
	Choanoflagellata
	Filasterea
	Ichthyosporea
	Corallochytra
	Fungi
	Discicristoidea
	Apusozoa
	Breviatea
	Amoebozoa
	CRuMs
	Ancyromonadida
	Malawimonadidae
	Meteora
	Streptophyta
	Chlorophyta
	Rhodophyta
	Glaucoophyta
	Cryptista
	Stramenopiles
	Alveolata
	Rhizaria
	Haptista
	Hemimastigophora
	Discoba
	Metamonada

CHZ.HG1.0.HIRP3

Daxx OG presence

- ☒ Bilateria
- ☐ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☐ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Metecora
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

Daxx-HQ1.0.DAXX

Hira OG presence

26	Bilateria
7	Cnidaria
	Placozoa
	Ctenophora
3	Porifera
11	Choanoflagellata
9	Filasterea
4	Ichthyosporea
11	Corallochytra
16	Fungi
	Discicristoidea
11	Apusozoa
	Breviatea
7	Amoebozoa
3	CRuMs
3	Ancyromonadida
2	Malawimonadidae
	Meteora
14	Streptophyta
3	Chlorophyta
3	Rhodophyta
	Glaucoophyta
12	Cryptista
16	Stramenopiles
3	Alveolata
3	Rhizaria
11	Haptista
	Hemimastigophora
7	Discoba
	Metamonada

Hira HG1.0:HRA

NAP OG presence

26	32	6				Bilateria
3	7					Cnidaria
1	1					Placozoa
1	1					Ctenophora
3	5	1				Porifera
						Choanoflagellata
2	2					Filasterea
4	3					Ichthyosporea
				1		Corallochytra
22	12					Fungi
						Discicristoidea
						Apusozoa
1						Breviatea
3	5	1	1			Amoebozoa
1	3					CRuMs
1	3	1				Ancyromonadida
2	3					Malawimonadidae
						Meteora
12	12	2	1			Streptophyta
3	4	1	2			Chlorophyta
1	1	2				Rhodophyta
1	1					Glaucoophyta
3	2					Cryptista
3	4			3		Stramenopiles
1	3	3				Alveolata
1	2		1			Rhizaria
	2	2		2		Haptista
						Hermimastigophora
5	12		5	3		Discoba
						Metamonada
NAP-HG2.0	like	SET/SET/SP/TS/Py1/7	SP/Py2/TS/Py3/TS/...			
NAP-HG1.5	like	NAP1L1/NAP1L2/NAP1L3/NAP1L4/NAP1...				
NAP-HG1.3	like	NAP1L1/NAP1L2/NAP1L3/NAP1L4/NAP1...				
NAP-HG2.1	like	SET/SET/SP/TS/Py1/7/TS/Py3/TS/Py4/TS...				
NAP-HG1.0	NAP1L1/NAP1L2/NAP1L3/NAP1L4/NAP1L5					

2	2	Bilateria
7	18	Cnidaria
7	8	Placozoa
		Ctenophora
7	5	Porifera
2	2	Ciliophyllagellata
4	4	Filasterea
4	4	Ichthyosporae
		Corallochytrea
2	2	Fungi
		Disciscristoidea
		Apusozoa
		Breviatea
7	6	Amoebozoa
3	2	CRuMs
2	2	Ancyromonadida
4	3	Malawimonadidae
		Meteora
1	1	Streptophyta
1	1	Chlorophyta
3	3	Rhodophyta
		Glaucophyta
2	2	Cryptista
1	1	Stramenopiles
1	1	Alveolata
3	3	Rhizaria
3	2	Haptophyta
		Hemimastigophora
1	1	Discoba
		Metamonada

Rtt106.HG1.0:like:SSRP1:like:cl:1
Rtt106.HG2.0:SUPT16H
Rtt106.HG1.1:SSRP1

SPT16 OG presence

26 Bilateria
 3 Cnidaria
 1 Placozoa
 1 Ctenophora
 3 Porifera
 2 Choanoflagellata
 1 Filasterea
 1 Ichthyosporea
 1 Corallochytreia
 2 Fungi
 1 Discicristoidea
 1 Apusozoa
 1 Breviatea
 7 Amoebozoa
 3 CRuMs
 2 Ancyromonadida
 3 Malawimonadidae
 1 Metecora
 16 Streptophyta
 3 Chlorophyta
 5 Rhodophyta
 1 Glaucophyta
 1 Cryptista
 16 Stramenopiles
 1 Alveolata
 3 Rhizaria
 1 Haptista
 1 Hemimastigophora
 2 Discoba
 3 Metamonada

SPT16.HG1.0.SUP16H

SSrecog OG presence

- 24 Bilateria
- 7 Cnidaria
- 1 Placozoa
- 1 Ctenophora
- 6 Porifera
- 2 Choanoflagellata
- 2 Filasterea
- 1 Ichthyosporea
- 1 Corallochytreia
- 2 Fungi
- 1 Discicristoidea
- 1 Apusozoa
- 1 Breviatea
- 7 Amoebozoa
- 3 CRuMs
- 3 Ancyromonadida
- 3 Malawimonadidae
- 1 Metecora
- 14 Streptophyta
- 3 Chlorophyta
- 3 Rhodophyta
- 2 Glaucophyta
- 2 Cryptista
- 13 Stramenopiles
- 10 Alveolata
- 3 Rhizaria
- 2 Haptista
- 1 Hemimastigophora
- 18 Discoba
- 2 Metamonada

SSrecog.HCI.1.SRP1

zf-CCHH OG presence

9	5	16	2	5	16		Bilateria
5		5		2	7		Cnidaria
							Placozoa
			1				Ctenophora
5		3	4		5		Porifera
2							Choanoflagellata
		1			1		Filasterea
							Ichthyosporia
							Corallochytra
		2					Fungi
							Discicristoidea
1	1						Apusozoa
							Breviatea
5	6	3	5		2		Amoebozoa
2						1	CRuMs
						2	Ancyromonadida
3			3		1	1	Malawimonadidae
							Meteora
4							Streptophyta
							Chlorophyta
							Rhodophyta
							Glaucochyta
						1	Cryptista
							Stramenopiles
2			1		1	2	Alveolata
							Rhizaria
2							Haptista
1	4	1			1		Hemimastigophora
5							Discoba
							Metamonada
zf-CCHH	HG1	13	likeAPL	F	likecut6		
zf-CCHH	HG1	11	likeAPL	F	likecut6		
zf-CCHH	HG1	14	likeAPL	F	likecut6		
zf-CCHH	HG1	16	APL	F	likecut6		
zf-CCHH	HG1	3	likeAPL	F	likecut6		
zf-CCHH	HG1	3	likeAPL	F	likecut6		
zf-CCHH	HG1	0	likeAPL	F	likecut6		
zf-CCHH	HG1	1	likeAPL	F	likecut6		
zf-CCHH	HG1	16	likeAPL	F	likecut6		

UBN_AB OG presence

- 20 Bilateria
- 7 Cnidaria
- 1 Placozoa
- 1 Ctenophora
- 3 Porifera
- Choanoflagellata
- Filasterea
- Ichthyosporea
- Corallochytreia
- 1 Fungi
- Discicristoidea
- Apusozoa
- Breviatea
- 3 Amoebozoa
- CRuMs
- Ancyromonadida
- 3 Malawimonadidae
- Meteora
- 2 Streptophyta
- Chlorophyta
- Rhodophyta
- Glaucophyta
- Cryptista
- Stramenopiles
- Alveolata
- Rhizaria
- Haptista
- Hemimastigophora
- Discoba
- Metamonada

UBN_AB.HG1.0:UBN1/UBN2

Nucleoplasmin OG presence

- 26 Bilateria
- 7 Cnidaria
- Placozoa
- Ctenophora
- 6 Porifera
- 2 Choanoflagellata
- Filasterea
- Ichthyosporea
- Corallochytreia
- Fungi
- Discicristoidea
- Apusozoa
- Breviatea
- Amoebozoa
- CRuMs
- Ancyromonadida
- Malawimonadidae
- Meteora
- 3 Streptophyta
- Chlorophyta
- Rhodophyta
- Glaucophyta
- Cryptista
- Stramenopiles
- Alveolata
- Rhizaria
- Haptista
- Hemimastigophora
- Discoba
- Metamonada

Nucleoplasmin_HG1:GNPM1/NPM2/NPM3

PA1 OG presence































- ☒ Bilateria
- ☒ Cnidaria
- ☒ Placozoa
- ☐ Ctenophora
- ☐ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Meteoira
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

PA1 HG 1.0 AC120114.4/PAGR1

Dpy-30 OG presence































[illegible]

Menin OG presence

	Bilateria
	Cnidaria
	Placozoa
	Ctenophora
	Porifera
	Choanoflagellata
	Filasterea
	Ichthyosporea
	Corallochytra
	Fungi
	Discicristoidea
	Apusozoa
	Breviatea
	Amoebozoa
	CRuMs
	Ancyromonadida
	Malawimonadidae
	Meteora
	Streptophyta
	Chlorophyta
	Rhodophyta
	Glaucophyta
	Cryptista
	Stramenopiles
	Alveolata
	Rhizaria
	Haptista
	Hemimastigophora
	Discoba
	Metamonada

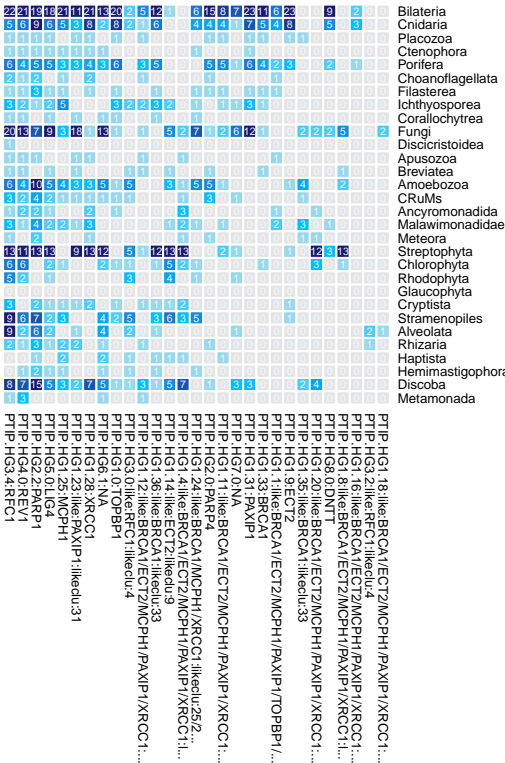
Menin_HG1_COMMENT

NCOA6 OG presence

	Bilateria
	Cnidaria
	Placozoa
	Ctenophora
	Porifera
	Choanoflagellata
	Filasterea
	Ichthyosporea
	Corallochytreia
	Fungi
	Discicristoidea
	Apusozoa
	Breviatea
	Amoebozoa
	CRuMs
	Ancyromonadida
	Malawimonadidae
	Metecora
	Streptophyta
	Chlorophyta
	Rhodophyta
	Glaucophyta
	Cryptista
	Stramenopiles
	Alveolata
	Rhizaria
	Haptista
	Hemimastigophora
	Discoba
	Metamonada

NCOA6_HG1.0:NCOA6

PTIP OG presence



TRRAP OG presence

25	25	25	16	7	Bilateria
7	7	7	7	7	Cnidaria
1	1	1	1	1	Placozoa
1	1	1	1	1	Ctenophora
3	3	3	3	3	Porifera
2	2	2	2	2	Choanoflagellata
2	2	2	2	2	Filasterea
4	4	4	4	3	Ichthyosporea
1	1	1	1	1	Corallochytreia
25	21	16	17	7	Fungi
1	1	1	1	1	Discicristoidea
2	2	2	2	2	Apusozoa
2	2	2	2	2	Breviatea
3	3	3	3	3	Amoebozoa
3	3	3	3	3	CRuMs
4	4	2	2	3	Ancyromonadida
3	3	3	3	3	Malawimonadidae
1	1	1	1	1	Meteora
16	16	16	3	6	Streptophyta
7	7	5	1	1	Chlorophyta
3	3	3	1	1	Rhodophyta
1	1	1	1	1	Glaucophyta
2	2	2	2	2	Cryptista
16	12	9	1	3	Stramenopiles
4	4	2	2	1	Alveolata
3	3	2	1	1	Rhizaria
3	2	2	1	1	Haptista
2	2	2	1	1	Hemimastigophora
14	9	16	7	2	Discoba
3	3	3	3	3	Metamonada
					TRRAP
					TRRAP-HG2.0-ATM
					TRRAP-HG2.0-PR
					TRRAP-HG2.0-DC
					TRRAP-HG3.0-TRRAP
					TRRAP-HG3.0-TRRAP
					TRRAP-HG1.1-MTOR

AF9 OG presence

- ☒ Bilateria
- ☒ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☒ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☒ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Meteoza
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

AF9_HG1_0MULTIMULTI3

PCRing OG presence

26	36	Bilateria
5	36	Cnidaria
5	3	Placozoa
	2	Ctenophora
5	7	Porifera
3	2	Choanoflagellata
1	1	Filasterea
		Ichthyosporea
		Corallochytreia
2	1	Fungi
		Discicristoidea
1	1	Apusozoa
		Breviatea
2	2	Amoebozoa
2	2	CRuMs
2		Ancyromonadida
2	1	Malawimonadidae
		Meteora
16		Streptophyta
5		Chlorophyta
		Rhodophyta
		Glaucophyta
3	2	Cryptista
7	5	Stramenopiles
6	2	Alveolata
5	2	Rhizaria
5	1	Haptista
1		Hemimastigophora
		Discoba
		Metamonada

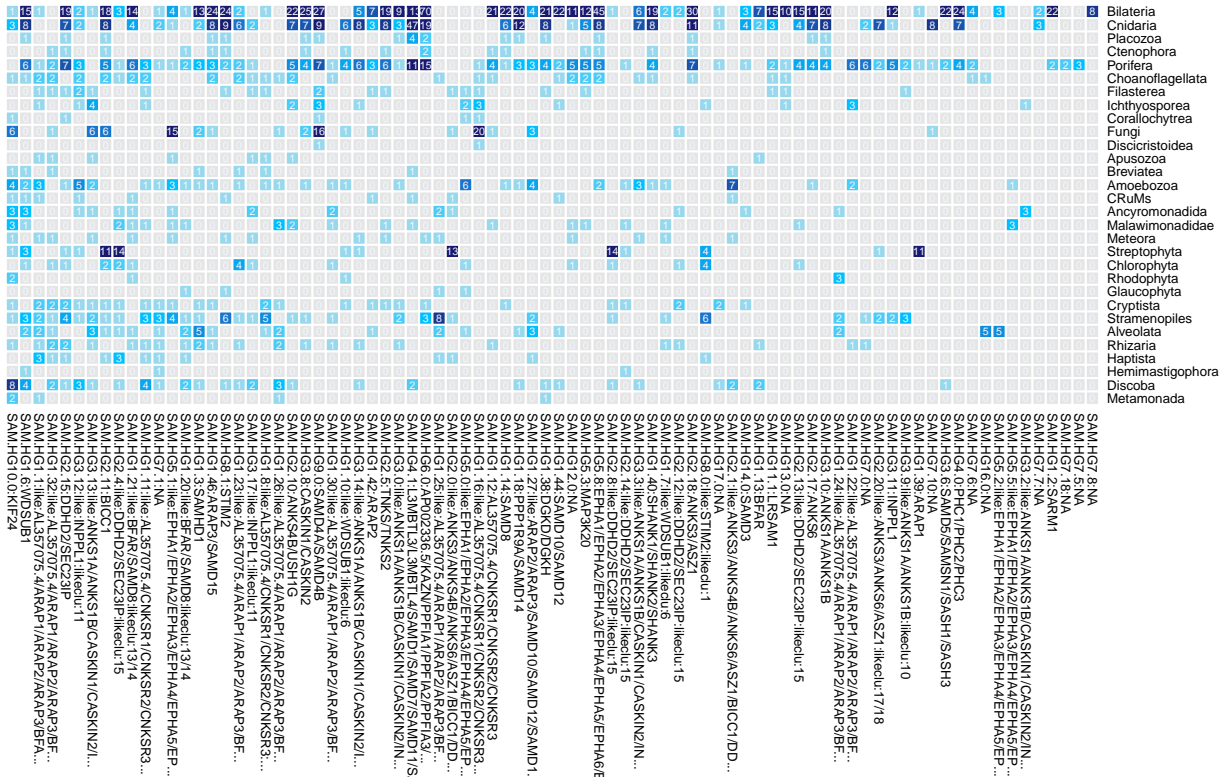
PCRing_HG0.1:BM1/ICOMMD3-BM1/PCGF1/PCGF2/PCGF3..
 PCRing_HG0.0:RING1/RNF2

YAF2_RYBP OG presence

<input checked="" type="checkbox"/>	Bilateria
<input checked="" type="checkbox"/>	Cnidaria
<input checked="" type="checkbox"/>	Placozoa
<input type="checkbox"/>	Ctenophora
<input checked="" type="checkbox"/>	Porifera
<input type="checkbox"/>	Choanoflagellata
<input type="checkbox"/>	Filasterea
<input type="checkbox"/>	Ichthyosporea
<input type="checkbox"/>	Corallochytreia
<input type="checkbox"/>	Fungi
<input type="checkbox"/>	Discicristoidea
<input type="checkbox"/>	Apusozoa
<input type="checkbox"/>	Breviatea
<input type="checkbox"/>	Amoebozoa
<input type="checkbox"/>	CRuMs
<input type="checkbox"/>	Ancyromonadida
<input type="checkbox"/>	Malawimonadidae
<input type="checkbox"/>	Meteora
<input type="checkbox"/>	Streptophyta
<input type="checkbox"/>	Chlorophyta
<input type="checkbox"/>	Rhodophyta
<input type="checkbox"/>	Glaucoophyta
<input type="checkbox"/>	Cryptista
<input type="checkbox"/>	Stramenopiles
<input type="checkbox"/>	Alveolata
<input type="checkbox"/>	Rhizaria
<input type="checkbox"/>	Haptista
<input type="checkbox"/>	Hemimastigophora
<input type="checkbox"/>	Discoba
<input type="checkbox"/>	Metamonada

YAF2_RYBP_HG10.RYBP/YAF2

SAM OG presence



SLED OG presence

- ☒ Bilateria
- ☒ Cnidaria
- ☐ Placozoa
- ☐ Ctenophora
- ☒ Porifera
- ☐ Choanoflagellata
- ☐ Filasterea
- ☐ Ichthyosporea
- ☐ Corallochytreia
- ☐ Fungi
- ☐ Discicristoidea
- ☐ Apusozoa
- ☐ Breviatea
- ☐ Amoebozoa
- ☐ CRuMs
- ☐ Ancyromonadida
- ☐ Malawimonadidae
- ☐ Metecora
- ☐ Streptophyta
- ☐ Chlorophyta
- ☐ Rhodophyta
- ☐ Glaucophyta
- ☐ Cryptista
- ☐ Stramenopiles
- ☐ Alveolata
- ☐ Rhizaria
- ☐ Haptista
- ☐ Hemimastigophora
- ☐ Discoba
- ☐ Metamonada

SLED HG1.0/SCMH1/SCML2/SCML4/SFMBT1/SFMBT2

Suz12 OG presence

28	Bilateria
3	Cnidaria
1	Placozoa
1	Ctenophora
6	Porifera
3	Choanoflagellata
1	Filasterea
1	Ichthyosporea
1	Corallochytrea
3	Fungi
1	Discicristoidea
1	Apusozoa
1	Breviatea
1	Amoebozoa
1	CRuMs
3	Ancyromonadida
3	Malawimonadidae
1	Meteora
16	Streptophyta
5	Chlorophyta
4	Rhodophyta
1	Glaucoophyta
1	Cryptista
3	Stramenopiles
1	Alveolata
2	Rhizaria
1	Haptista
2	Hemimastigophora
2	Discoba
1	Metamonada

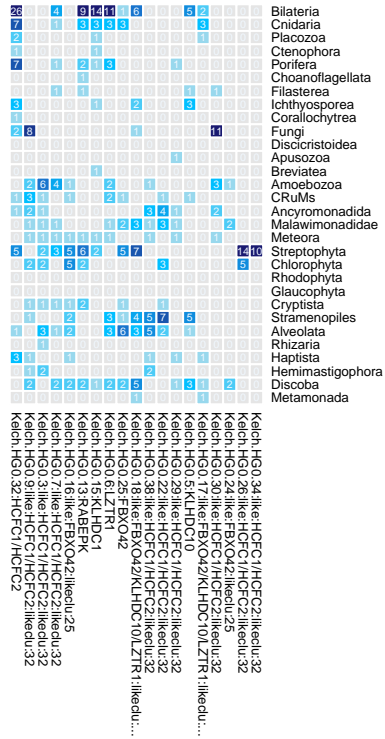
Suz12.HQ1.0.SUZ12

CAF1C OG presence

26	26	Bilateria
7	7	Cnidaria
		Placozoa
1	1	Ctenophora
3	3	Porifera
2	2	Choanoflagellata
2	2	Filasterea
3	3	Ichthyosporea
		Corallochytre
26	26	Fungi
1	1	Discicristoidea
1	1	Apusozoa
		Breviatea
7	7	Amoebozoa
2	2	CRuMs
3	3	Ancyromonadida
3	3	Malawimonadidae
		Meteora
16	16	Streptophyta
3	3	Chlorophyta
2	2	Rhodophyta
1	1	Glaucophyta
3	3	Cryptista
16	16	Stramenopiles
16	16	Alveolata
		Rhizaria
2	2	Haptista
1	1	Hemimastigophora
16	16	Discoba
	2	Metamonada

CAF1C_HG1:0.11e-08BP4/RBP7:like:u:1
CAF1C_HG1:1:RBP4/RBP7

Kelch OG presence



zf-C2H2 OG presence

21	16	5	Bilateria		
14	7	3	Cnidaria		
	1		Placozoa		
	2		Ctenophora		
13	5		Porifera		
			Choanoflagellata		
	1		Filasterea		
3			Ichthyosporea		
			Corallochytrrea		
12	1		Fungi		
			Discicristoidea		
			Apusozoa		
			Breviatea		
	1		Amoebozoa		
			CRuMs		
			Ancyromonadida		
			Malawimonadidae		
			Meteora		
			Streptophyta		
			Chlorophyta		
		1	Rhodophyta		
			Glaucophyta		
			Cryptista		
			Stramenopiles		
			Alveolata		
			Rhizaria		
			Haptista		
			Hemimastigophora		
			Discoba		
			Metamonada		
zf-C2H2	HG0.5	like	ZNF335	like	du.4
zf-C2H2	HG0.2	like	ZNF335	like	du.4
zf-C2H2	HG1.0	AEBP2			
zf-C2H2	HG1.1	GU1/GU3/BIGL1/GUS3			

zf-CXXC OG presence

34	12	Bilateria
28	3	Cnidaria
2		Placozoa
2		Ctenophora
18	5	Porifera
		Choanoflagellata
		Filasterea
		Ichthyosporea
		Coralochytreia
		Fungi
		Discicristoidea
		Apusozoa
		Breviatea
		Amoebozoa
		CRuMs
		Ancyromonadida
		Malawimonadidae
		Meteora
		Streptophyta
		Chlorophyta
		Rhodophyta
		Glaucophyta
		Cryptista
6	2	Stramenopiles
		Alveolata
		Rhizaria
5	1	Haptista
		Hemmastigophora
		Discoba
		Metamonada
zf-CXXC.HG1.5.AP001267.5.KMT2A.KMT2B		
zf-CXXC.HG1.4.like.AP001267.5.KMT2A.KMT2B.like...		
zf-CXXC.HG1.3.like.AP001267.5.CXXC1.CXXC4.CXXC5...		
zf-CXXC.HG1.10.CXXC1.CXXC4.CXXC5.DNMT1.FBL19.KD...		

[illegible]