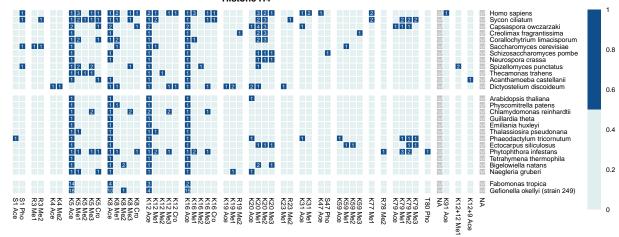
Histone H3

5 0 0 0 0 0	1 6 2 2 8 3 1 1 4 1 1 4 4 2 1 1 1 1 1 1 1 1 1 1 2 1 1 3 3 1 4 4 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 4 5 3 4 4 5 4 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 2 3 1 4 2 3 1 2 4 4 4 2 3 4	2	3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 3 2 2 3 4 2 2 3 2 4 2 2 3 2 3 2 3 2 3 3 2 4 2 2 3 3 2 3 3 3 3	2 4 2 3 2 2 1 1 1 1 1 2 2 2 1		4 4 3 1 2 3 3 2 2 2 3 3 1 1 1 1 2 2 1 2 1 2 1	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 8 6 9 3 3 4 6 11 2 3 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	2 0 0 0 0 0 0	1 0 0 1 0 0 0	2	3 19 14 9 2 20 9 8 1 6 7 8 1 5 5 6 1 8 11 7 1 1 1 1 1 1 1 1 1 1 3 4 4 5 5 5 2 5 5	3 1 3 0 3 0 4 0 4 0 4 0 5 0 5 0	2 7 2 7 2 6 3 8 1 1 3 1 3 1 7 4 1 1 1 2 8 4 1 2 1 2 6 4 1 1 1	1 5 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0		1 1 1	0 1 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0	1 5 2 1 2 3 4 2 4 4 3 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Homo sapiens Sycon ciliatum Capsaspora owczarzaki Creolimax fragrantissima Saccharomyces cerevisiae Schizosaccharomyces pombe Neurospora crassa Spizellomyces punctatus Thecamonas trahensi Acanthamoeba castellanii Dictyostelium discoideum	0.8
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 3 4 1 1 1 1 1 4 2 1 1 1 1 1 2 2 1		0	1 1 1 1 1 3 2 3 1 1 1 1 1 1 1 1 1 1 1 1	2	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 1 3 2 2 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 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 1 1		1 1 1 1 4 4 4 5 1 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 0 0 0 0 0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1					2 3 3 3 1 1 1 1 1 5 4 1 1 4 1 1					Arabidopsis thaliana Physcomitrella patens Chlamydomonas reinhardtii Guillardia theta Emillania huxleyi Thalassiosira pseudonana Phaeodactylum tricornutum Ectocarpus siliculosus Phytophthora infestans Tetrahymena thermophila Bigelowiella natans Naegleria gruberi	0.4
T3 Pho	4 3 4 4 6 K4 Me3 K4 Me1 K4 Ace		2 R8 Me2	X9 Cro X9 Me3 X9 Me2 X9 Me1 X9 Ace	0		K14 Cro K14 Me3 K14 Me2 K14 Me1		T22 Pho	K23 Cro K23 Me3 K23 Me1	K26 Me3 K26 Me1	K27 Cro K27 Me3 K27 Me2 K27 Me1 K27 Ace	S28 Pho		T32 Pho	1 3 1 9 1 X 36 Me2 X 36 Ace	X36		T45 Pho R40 Me2	R53 Me2 K53 Me1 K53 Ace	K56 Cro K56 Me1 K56 Ace	K64 Me1 K64 Ace		K122 Me1 K122 Ace	K11+1 Ace	. ±	K29+1 Ace	Fabomonas tropica Gefionella okellyi (strain 249)	0

Histone H4



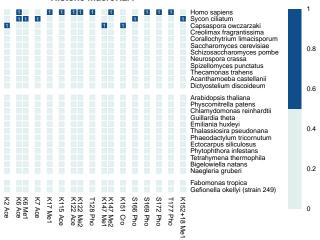
Histone H2A

0 0 0 0 0 0 0 0 3 3 1 2 2 3 4 1 2 2 0 1 1	0 2 1 0 8 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1		Sycon ciliatum Capsaspora owczarzaki
28			Schizosaccharomyces pon W Neurospora crassa Spizellomyces punctatus Thecamonas trahens Thecamonas trahens Thecamonas trahens The Cambridge Castellanii Dictyostelium discoideum
0 2 30 0 0	2 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10		Arabidojssi haliana M Physcomitrella patens Chlamydomonas reinhardti Guillardia theta Emiliania huxleyi Thalassiosira pseudonana M Phaeodactylum tricornutun
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Ectocarpus siliculosus Phytophthora infestans Tetrahymena thermophila Biglowiella natans Naegleria gruberi
47 Me 1		K123—130 Con K123—130 Mes K123—130 Mes K123—130 Mes K123—130 Mes K123—130 Ace S119+R1 Pho T10—11—12 Ph K10—11—12 Ph K10—11—12 Ph K10—11—12 Ac K112—Nes K123—Nes K125 Mes K125 Mes K125 Mes K125 Mes K125 Mes K126 Mes K127 Mes K127 Mes K128 Mes K128 Mes K128 Mes K129 Mes K29 Mes	Fabomonas tropica Gefionella okellyi (strain 24 K3+8 Ace K3+21 Ace K3+21 Ace K3+17 Me1 K3+17 Me1 K3+17 Ace K130+R1 Me2 K130+R1 Me3 K128+1 Me3 K128+1 Me3 K128+1 Me1 K128+1 Me3 K128+1 Me1

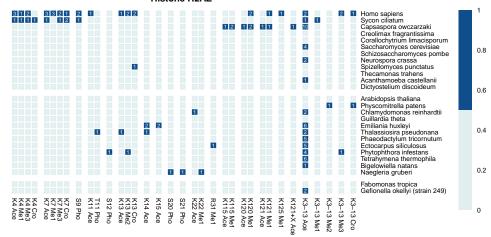
Histone H2B

2 1 7 8 4 1 2 3 1 8 5 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	1 3 1 1 7 1 1 7 1 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1 1 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5 3 4 4 1 5 2 2	12 1 2 4 1 4 1 1 0		2 3 2 2 1 0 1 0 0 0		Homo sapiens Sycon ciliatum Capsaspora owczarzaki Creolimax fragrantissima Corallochytrium limacisporum Saccharomyces cerevisiae Schizosaccharomyces pombe Neurospora crassa Spizellomyces punctatus Thecamonas trahens	0.8
						0 0 1	110																	0 0	3 0				Acanthamoeba castellanii Dictyostelium discoideum	0.6
4 36 19 57	1 0 0 0 0 0 0 0 0 0 0 10 1 2 3 0		0 0 0 0 0 0 0 0 0 0 1 2 0 0	1 0 0 0 0 0 0 0 0 1 2 1 4 0			0 0 0 0 0 2 0 0 4 0 1	0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 4 0 0							0 0 0	0 0 0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 1 0					0 4 0 0 0 22	0 <u>1</u> 0 <u>2</u> 79 50	0	0 0 0 86 6	0 0	Arabidopsis thaliana Physcomitrella patens Chlamydomonas reinhardtii	0.0
002 0	132		1			0 0 0 0 0 1 0 0 0 0 0 0	5 1 4	1 2 0	0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 1 0 0 0 0 0	1			0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0 0 2 0 3 0 3	5 0 0 0 0 0 0				Guillardia theta Emiliania huxleyi Thalassiosira pseudonana Phaeodactylum tricornutum Ectocarpus siliculosus Phytophthora infestans	0.4
2 2 1 6 2 3				0 0 0 0 0 0 2 0 0 0							0 0	1		0 0 0								0 0 0 4	4 2	0 1 0 0 2 0	3 3 5 2		3 0		Tetrahymena thermophila Bigelowiella natans Naegleria gruberi	0.2
						0 1 1																		0 1	1 0				Fabomonas tropica Gefionella okellyi (strain 249)	
KG Cro KG Me3 KG Me2 KG Me1 KG Ace	K11 Cro K11 Me3 K11 Me2 K11 Me1 K11 Ace	NNN		00000	T19 Pho K17 Me1	K26 Me1 K26 Ace K25 Ace		K28 Me3 K28 Me2 K28 Ace	K29 Me1 K29 Ace	K30 Me3 K30 Me2 K30 Me1 K30 Ace	K31 Me1 K31 Ace	K34 Ace K32 Me1	S36 Pho K36 Me2	K46 Ace K43 Ace	K57 Ace	K79 Me1	K85 Cro K85 Me3	~==0	K116 Me2 K116 Me1 K116 Ace	20		K125+X Ace	25+X	K3-27-I Ace K130+R1 Me2	K3-27-I Me2 K3-27-I Me1	3-27-1	-27-1	T3-27-I Pho S3-27-I Pho	K3-27-I Pho	0

Histone macroH2A



Histone H2AZ



Histone H1

