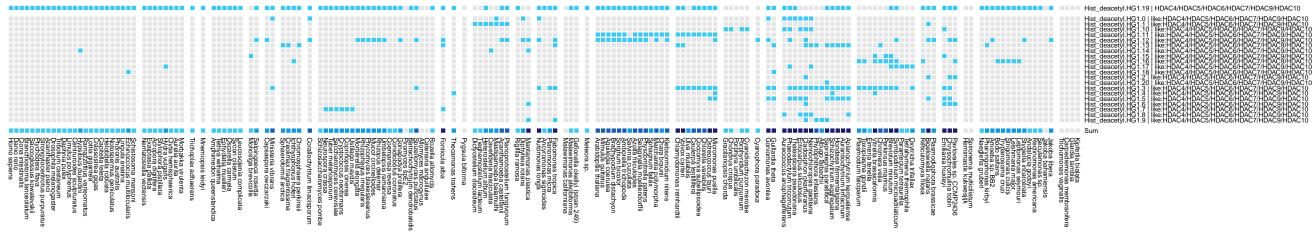
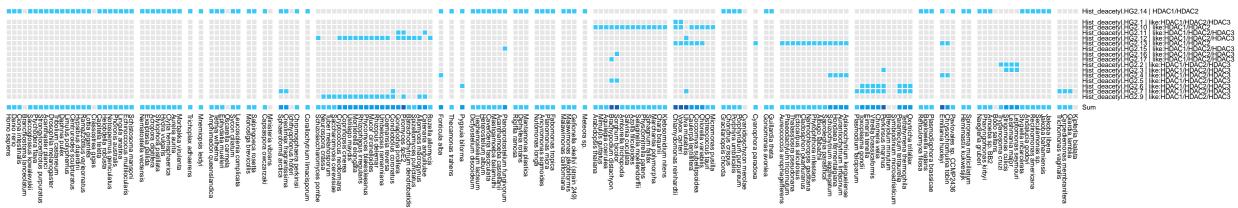
# Hist\_deacetyl.HG1.19, HDAC4/HDAC5/HDAC6/HDAC7/HDAC9/HDAC10 (20 similar OGs)



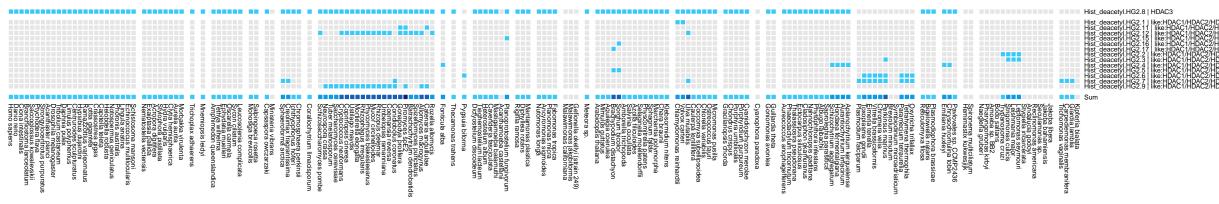
## Hist\_deacetyl.HG2.0, AL133500.1/HDAC8 (0 similar OGs)

	Hist_deacetyl.HG2.0   AL133500.1/HDAC8
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## Hist\_deacetyl.HG2.14, HDAC1/HDAC2 (15 similar OGs)



## Hist\_deacetyl.HG2.8, HDAC3 (13 similar OGs)



#### Hist\_deacetyl.HG3.1, HDAC11 (1 similar OGs)

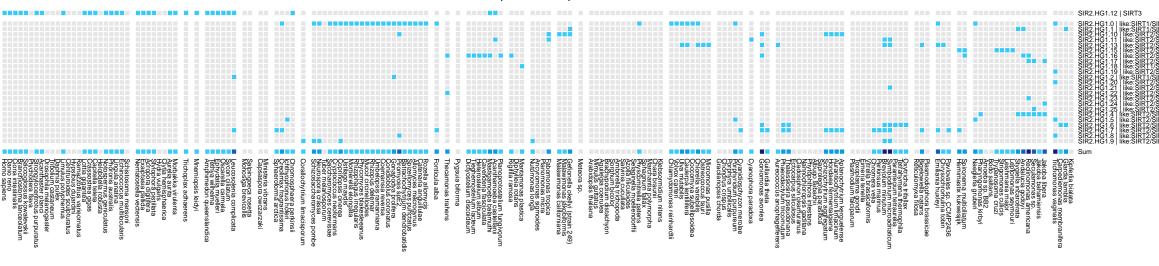
							•												ì
Schistosoma mansoni Schinocaccus mulliocularis Ingula anatina Ingula Ing	Morbakta virulenta Aurelia aurita Cyfila hemisphaerica Hydra vulgaris Sylophora pisililara Acropora digililera Acropora digililera Exalptassa pallida Nematossibila vecetorisis	Mnemiopsis leidyi Trichoplax adhaerens	Leucosolenia complicata Sycon ciliatum Oscarella carmela Ephydatia muelleri Tethya willelma Amphimedon queenslandica	Salpingoeca rosetta Monosiga brevicollis	Ministeria vibrans Capsaspora owczarzaki	Chromosphaera perkinsii Ichthyophonus hoferi Creolimax fragrantissima Sphaeroforma arctica	Corallochytrium limacisporum	Confidential Confidential Confidential Confidential Complete Coccus neoformans Saccharomyces cerevisiae Tuber melanosporum Neurospora crassa Confidential Confide	yces by agus ir	Gonapodya prolitera Conidiobólus coronatus Coemansia reversa Umbelopsis ramanniana Rhizopus delemar	Rozella allomycis Catenaria anguillulae Allomyces macrogyrus Spizellomyces punctatus Batrachochytrium dendrobatidis Eiromyces spE2.	Fonticula alba	Thecamonas trahens	Pygsuia biforma	Planoprotostellum fungivorum Acanthamoeba castellarii Mastigamoeba balamuthi Cavenderia tacciculata Heterostellum aldum Iteghemostellum ladeum Dictystellum discodeum	Mantamonas plastica Diphylleia rotans Rigifila ramosa	Fabomonas tropica Planomonas micra Ancyromonas sigmoides Nutómonas longa	Gefionella okellyi (strain 249) Malawimonas jakobiformis Malawimonas californiana	Meteora sp.

Hist\_deacetyl.HG3.1 | HDAC11

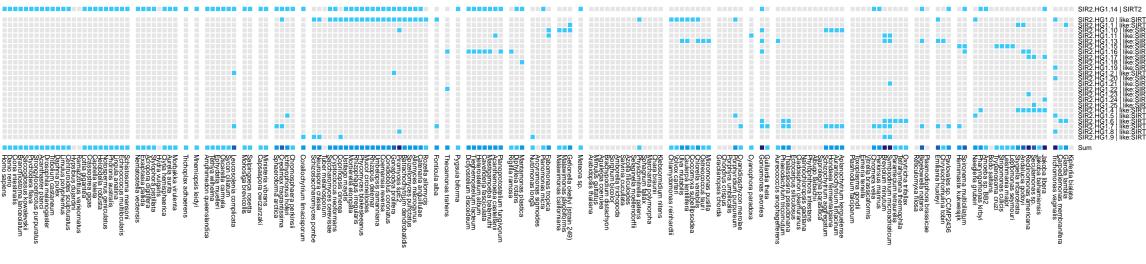
Hist\_deacetyl.HG3.0 | like:HDAC11

Sum

#### SIR2.HG1.12, SIRT3 (23 similar OGs)



#### SIR2.HG1.14, SIRT2 (23 similar OGs)



#### SIR2.HG1.3, SIRT1 (4 similar OGs)

																												SIR2.HG SIR2.HG SIR2.HG SIR2.HG	1.3   SIRT1 1.0   like:SIRT1/ 1.1   like:SIRT1/ 1.18   like:SIRT1/
Honor Baracha Alexandra Al	Aurelia Clydra Stylopi Acropo Exaipti	Amphi     Mnemi     Trichop	Sycon	Ministe Capsa Salpin	Chrom Ichthyc Creolir Sphae	Corallo	OSTITUTE OF THE PROPERTY OF TH		Rozelli Catena Allomy Spizell	Theca	Mastig Caven Hetero Dictyon	Planos Acantr	Planor Planor Nutom	Gefion Malaw Malaw	Ambor Araciny Arabid	Selection Select	Chiam Chiam Chiam Chiam Chiam	GC PPC Yanio	Guillar	Phytop Nanno Clados Phaeo Aureoc	Aplanc Aurant Honda Schizo Albugo	Param Symbin Symbin Brevio Perkin Chrom Chrom Chrom Plasm	Plasm Bigelo Reticu	Pavlov	Naegle Spiron	Strigor Strigor Amoek	Jakoba Secula Reclin	Sum	1.2   like.Gliv1 I/
ococoma man cocous mun a anatina ils australis permus permus per la teleta sitre a gigas gigantea Zottius vari zivis dupardir riodes sculi y polyphem ila pulex m castane y la melane y la	kka virulent a aurita hemisphaer vulgaris hora pistillat hora digitifera asia pallida asia pallida	medon que lopsis leidyi olax adhaer	solenia com ciliatum ella carmela atia mueller wilhelma	eria vibrans spora owcz goeca roset	losphaera p pphonus hot max fragran roforma arc	coccus neo coccus neo aromyces o melanospor melanospor spora crass saccharom ochytrium lin	circinelloide circinelloide myces blake magus irreg rella elonga maydis	hochytrium hochytrium /ces spE2 /ces spE2 odya prolife obolus coro ansia revers	a allomycis aria anguillu ces macrog omyces pur	monas trahe	deria fascio deria fascio stelium albu mostelium I stelium disc	leia rotans leia rotans leia rotans leia rotans lamosa lamoeba ca	nonas tropic nonas micra omas longa onas longa	ra sp. ella okellyi ( imonas jako imonas calii	ella trichopoum bicolor podium dis- podium dis- pia coerulea si guttatus opsis thalian	braunii braunii braunii braunii antia polymi antia pallax mitrella palla mitrella mella mella moelle filiculoides	nonas pusillococcus taurococcus taurococcu	dioschyzon r ridium purp ra umblica rus crispus ariopsis cho	dia theta monas avon phora parac	hthora infechloropsis chloropsis chloropsis silphon okarripus siliculassiosira pseudactylum tricoccus anopcoccus anopcoccus anopcoccus	chytrium ke iochytrium lea fermenta ea fermenta chytrium ag egnia paras laibachii	ymena theri ecium tetra odinium mio ilum minutur lum marinus sus marinus lera veila a brassicafor a tenella a sma gondi odium falcip	odiophora b wiella natan lomyxa filos cha trifallax	ales sp. CC ochromulina nia huxleyi	ema multici	licia godoyi Ila incarcera nonas seym nania major nonas culic nosoma cruz saltans sa sp. BB2	diemonas m monas vagir a libera a bahamien: amonas sp. omonas am	ia bialata a lamblia	
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#### SIR2.HG2.1, SIRT4/SIRT5 (2 similar OGs)

						SIR2.HG2.1   SIRT4/SIRT5 SIR2.HG2.0   like:SIRT4/SIRT5 SIR2.HG2.2   like:SIRT4/SIRT5
Ephydaitia micelieri elitya witheria arthya witheria elitya witheria arthya witheria arthya witheria elitya witheria arthya wi	Coralochyrtum imacsporum Chrpmospharer pekinsil phthophoruer a pekinsil phthophoruer a pekinsil phthophoruer a pekinsil Capalina kiraparatissima Sphaeroforma a ractica Ministeria vibrans Capasaspora owczarzaki Sapinjopeca rosetta Monosiga brevicotile Monosiga brevicotile Leucosojenia complicata Spcon ciliatum	The camonas trahens Fonticula alba Rozella allomyols Gatenaria anglunde Allomyoss madrogynus Allomyoss madrogynus Bartanondyna prolitera Extrahendyn prolitera Intropolis delegnar Intropolis delegnar Intropolis prolitera Intropolis pro	Meteora sp. Gefonella okellyi (strain 249) Walawimonas lakubitorima Walawimonas calubriaria Fabomonas tropica Fabomonas micra Fabomonas micra Fabomonas micra Fahomonas micra Fahomonas micra Fahomonas micra Fahomonas micra Fahomonas micra Fahomonas onga Mariamonas pipastica Diphyliela rodaris Rigiliar iamosa Rigiliar iamosa Rigiliar iamosa Rigiliar iamosa Fahomosabi ium fingi vorum Masigamopaba basamilarii Masigamopaba basamilarii Masigamopaba basamilarii Gavendelia ia Rigiliarii Gavendelia ia Rigiliarii Fahomosabi ium alcum Dickyostellum discondeum Porsatia hitomosa	Guillarda heta Guillarda heta Gunomonas avonela Cyanophora paradoxa Cyanophora paradoxa Cyanophora paradoxa Cyanophora menula Burgura umblicalia Burgura umblicalia Burgura umblicalia Gracilariosis chorda Micromonas pusila Risergocous Burgura Micromonas pusila Risergocous Burgura Riserg	Plasmodophora trassicae beglowielia rajaans Reducionyaa flosa flos	Goldelia bialata Gardia, lambila Jakoba baharamiensis Jakoba baharamiensis Jakoba baharamiensis Jakoba baharamiensis Jakoba baharamiensis Jakoba baharamiensia Jakoba baharamiensi Jakoba

#### SIR2.HG3.0, SIRT7 (0 similar OGs)

				SIR2.HG3.0   SIRT7
			······································	Sum
Morbakka virulenta Aurelia aurite Gylla hemisphaerica Gylla hemisp	Umbelopsis ramanniana Nizopus delimja Nizopus delimia Nizopus	Subjective delicio di stachyon Apulledia coerules Arabidopsis thatlarra Arabidopsis thatlarra Geffonella coletyl (stjain 249) Geffonella coletyl (stjain 249) Malawimonas iskidofformis Malawimonas iskidofformis Palamonas rojeta Geffonella coletyl stjain delicio della delicio della delicio delicio della delicio della delicio delicio delicio delicio della delicio delicio della della delicio della d	Aplanchyritum krapparum in Aplanchyritum kraguelense Auranitochyritum lindacinum behordase leimentalagariat behordase leimentalagariat behordase leimentalagariat behordase leimentalagariat behordase leimentalagariat behordase leimentalagariat behordongase gediland Sacrobologia Beabenii Cedocarbus siliculosus us Phaeedastylum tricornutum Auteococcus anophara paradoxa Cyanidoschyzon merolae Benghyridum purpurum behordase deputyridum	Kipfierlia bialata Glardia lambian Garcedemonas membranifera Tirchomonas vaginalis Jakoba labera Jak

### SIR2.HG3.1, SIRT6 (13 similar OGs)

	(15 Similar CCS)		
			SIR2.HG3.1   SIRT6
			SR2.HG3.12   Ike:SIR.16 SR2.HG3.13   Ike:SIR.16 SIR2.HG3.14   Ike:SIR.16
			\$\begin{align*} \text{R2.HG3.2} & \text{lke:} \text{SRT6} & \text{SRT6}
			\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			\$\text{SIR2.HG3.7} \text{   ike: SIR76} \\ \text{SIR2.HG3.8} \text{     ike: SIR76} \\ \text{SIR4} \\ SIR
			SIRZ.RG3.9   IIKE.SIR16
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