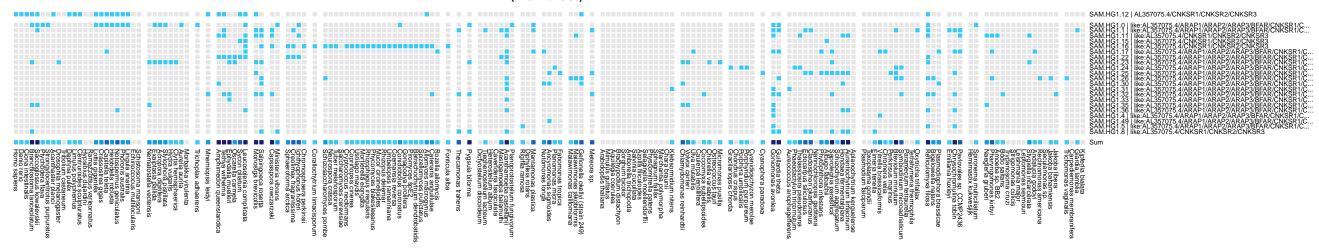
PCRing.HG0.0, RING1/RNF2 (0 similar OGs)

PCR	ing.HG0.0 RING1/RNF2
Sum IDOMUNDATIONIZVEMIN ZMANIAS 4 3 AMONE 30 03 NOTO 0 NZHNOOCZAUSACONOWANA I 4 I DHIOSA IS SAIJ 32 AMONE 30 03 NOTO NO NZHNOOCZAUSACONOWANANA I 4 I DHIOSA I 3 AMONE 30 03 NOTO NO NOTO NO NOTO NOTO NOTO NOTO NO	
o de la constanta del cons	
and the state of t	
Same as a second control of the cont	
s significana sign	
m atus	

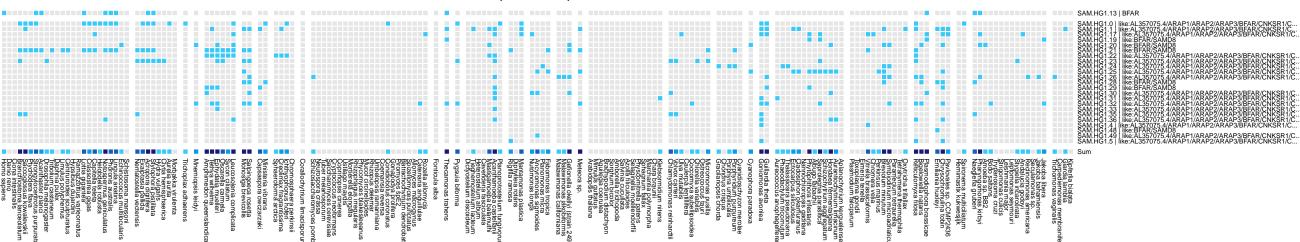
PCRing.HG0.1, BMI1/COMMD3-BMI1/PCGF1/PCGF2/PCGF3/PCGF5/PCGF6 (0 similar OGs)

PCRing.HG0.1 | BMI1/COMMD3-BMI1/PCGF1/PCGF3/PCGF5/PCGF6

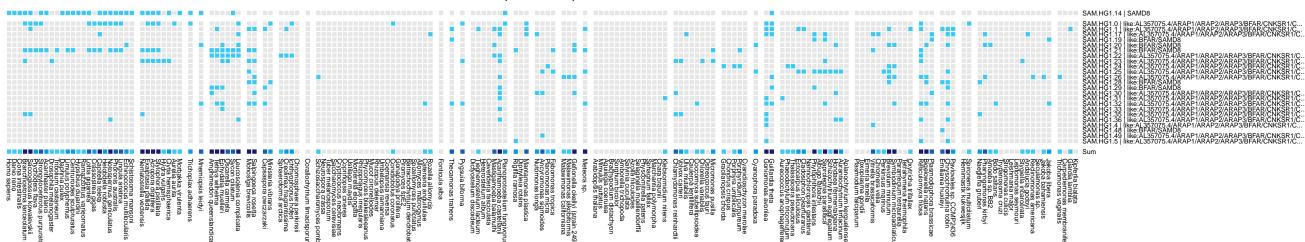
SAM.HG1.12, AL357075.4/CNKSR1/CNKSR2/CNKSR3 (21 similar OGs)



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



SAM.HG1.14, SAMD8 (23 similar OGs)



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

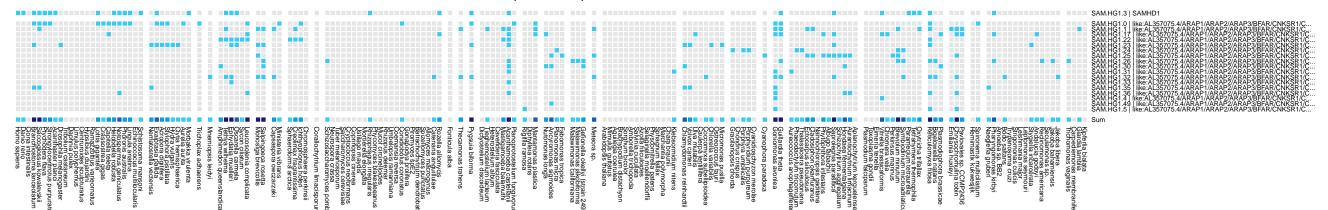
		•• •• •• •• •							-	SAM.HG1.18 PPP1R9A/SAMD14
										SAM.HG1.1 like:AL357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C
			•							SAM.HG1 25 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C SAM.HG1 36 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C SAM.HG1 331 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C SAM.HG1 331 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C SAM.HG1 331 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C SAM.HG1 331 like:AL357075 4/ARAP1/ARAP2/ARAP3/BEAR/CNKSR1/C
										SAM 151 351 III.66.1.3570/15 4/ARAP 1/ARAP 2/ARAP 3BPAR/CNNSR 1/C
Echnococ Echnococ Horons Horons Horons Horons Horons Horosphilis Horon	Ephydatia Tehtya wil Tehtya wil Amphimes Mnemiops Trichoplax Morbakka Aurelia au Cydta hen Hydra vuli Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria Sylophoria	Corallochy Chromosy Ichthyoph Creolimax Sphaerotic Ministeria Capsasspo Monosiga Leucosole Syconolima	Rozella al Rozella	Planoprot Acquisition of the control	Klebsormi Chara bra Marchanti Sphagnur Physomi Selaginelli Selagin	Cyanophe Cyanidios Pophyridi Pophyri	Aplanoch Aurantioch Hondaea Schizochy Saprolegr Albugo läi Phytophith Nannochk Cladosiph Thalassio Phaeodac Aureococc	Plasmodic Bigelowiel Bigelowiel Bigelowiel Reticulom Oxytricha Tetrahmic Tetrahmic Paramecji Symbiodir Breviolum Bre	Tichomor Jakoba lib Jakoba bis Ja	CG CG. CG. CG. CG. CG. CG. CG. CG. CG. CG.
cocks multilographic varials australis australis mus genicul al robusta a robusta e le la guarda de la guarda	i, muelleri helma don queens sis leidyi sis leidyi (a dhaerens virulenta rita nisphaerica garis insphaerica dojitifera a palida a palida efla vectens ma manson	ytrium limac haera perk ornus hoferi ornus hoferi ornus hoferi ornus hoferi ornus hoferi ornus hoferi ornus arctica ruma arctica vibrans vibrans ora owczarz; ora rosetta brevicollis arum ora arum ora	lomycis anguillulae anguillula	nas micra nas micra nas plastica as longa as longa nosa plastica rotians nosa ostelium fur loeba caste oeba balam alla fascicular ium discoid ium discoid iforma as trahens	a polymorpi n fallax ricila patens a moellendd uvloides tuloides t	nas avonlea chyzon mer chyzo	ytrium kerguytrium lima lermentalgia fermentalgia fermentalgia fermentalgia parasilici bachii ali parasilici bachii ali parasilici bachii ali parasilici bachii saliculosu on okamura is siliculosu sira pseudo sylum tricor cus anophaythematala parasilici	phora bras phora bras lla natans lla natans lla natans lla natans rifallax rifallax rifallax rifallax rifallax rifallax rifallax rifallax rifallax sasicaformis assicaformis assicaformis an ella na lalciparu um falciparu	pera pera pera pera pera pera pera pera	mbla and and and and and and and and and an
atus natus natus ster ster rpuratus vskii vskii	andica	isporur insii ima ima ata	s pomb	des Jes Jes Jes Jes Jes Jes Jes Jes Jes J	nna Siffiii Siffiii Simi 249 Sirmis	olae um oldea	lelense loinum ana gatum is itana itana itana nutum jefferei	sicae phila la driaticu m	iana si iana s	7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

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

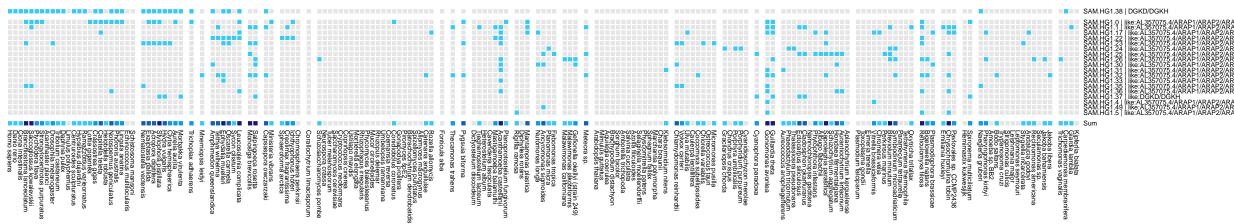
												į	i	į				
Schletosoma marsoni cohnococcus mullibotalnis inquila arabina Phorois australia Phorois australia Noispaprimus geniculatus Heiozodelia robitas Heiozodelia robitas Gapitelia teleria Capitelia teleria Gapitelia teleria Gamazionius varieronatus Jypatolius varieronatus Jypatolius Oldardini	Motbakka virulenta Aurelia aurita Cytia hemisphaerica Hydra vulgaris Sykophora pisitilera Aurostala palitida Kamatostela vedensis	Mnemiopsis leidyi Trichoplax adhaerens	Leucosolenia complicata Sycon ciliatum George de la comple Ephydalia muelleri Tetriya wilhelma Amphimedon queenslandica	Salpingoeca rosetta Monosiga brevicollis	Ministeria vibrans Capsaspora owczarzaki	Chromosphaera perkinsii Ichthyophonus hoferi Creolimax fragrantissima Sphaeroforma arctica	Corallochytrium limacisporum	Coprinopass cinerea Cryptococcus neoformans Saccharomyces cerevisiae Tuber melanosporum Neurospora crassa Schizosaccharomyces pombe	Wuzof circinelloides Phycomyces blakesleeanus Phycomyces blakesleeanus Rhizophagus irregularis Mortlerella elongata Ustilago maydis	Condobolis coronatus Condiobolis coronatus Coemansia reversa Umbelopsis ramanniana Rhizonis Ablamar	Rozella allomycis Catenaria anguillulae Catenaria anguillulae Allomyces macrogynus Spizellomyces punctatus Batrachodyturus dendrobatidis Promyces SPEZ	Fonticula alba	Thecamonas trahens	Pygsuia biforma	Planoprotoselium fungivorum Acarithamoeba caselläni Kasityamoeba balemulhi Assityamoeba balemulhi Assityamoeba balemulhi Helenosisium alaudu Helenosisium alaudum Didyostelium discodeum	Mantamonas plastica Diphylleia rotans Rigifila ramosa	Fabomonas tropica Planomonas micra Ancyromonas sigmoides Nutómonas longa	THE PARTY OF THE P

SAM.HG1.0 | like:A1.357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C... SAM.HG1.1 | like:A1.357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C... SAM.HG1.47 | like:A1.357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C... SAM.HG1.57 | like:A1.357075.4/ARAP1/ARAP2/ARAP3/BFAR/CNKSR1/C...

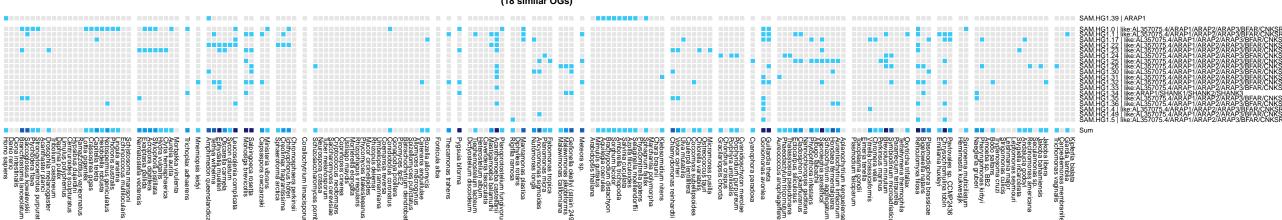
SAM.HG1.3, SAMHD1 (17 similar OGs)



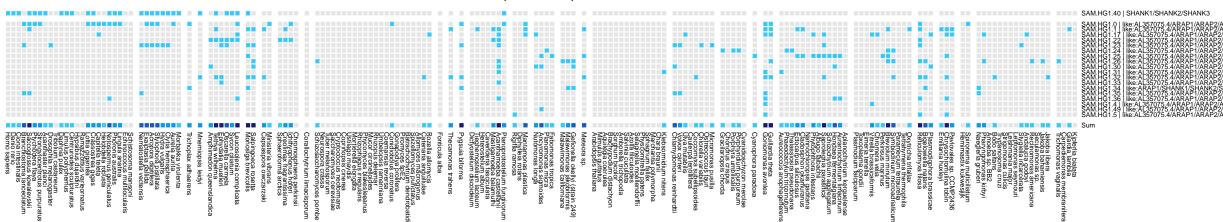
SAM.HG1.38, DGKD/DGKH (18 similar OGs)



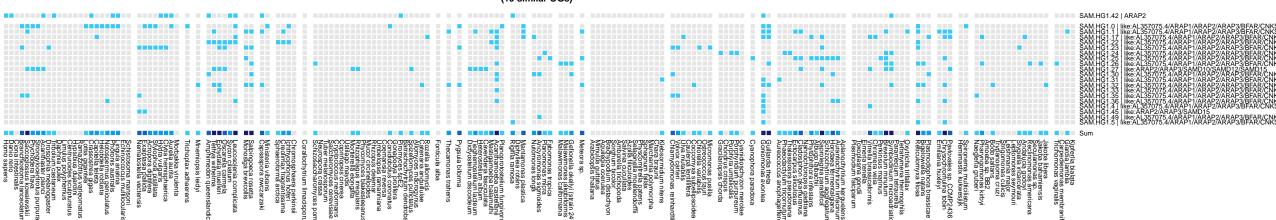
SAM.HG1.39, ARAP1 (18 similar OGs)



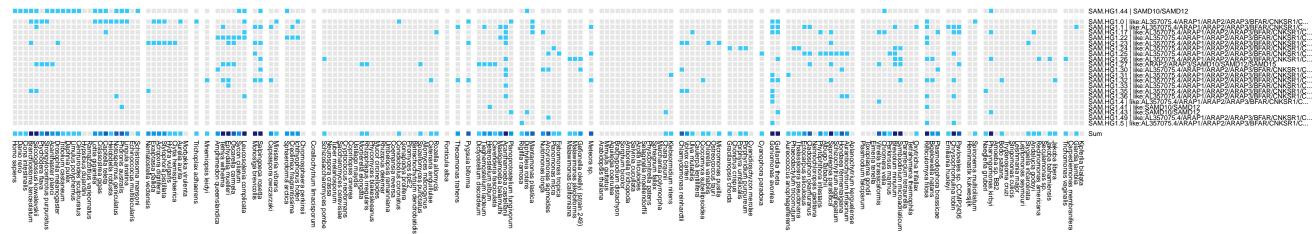
SAM.HG1.40, SHANK1/SHANK2/SHANK3 (18 similar OGs)



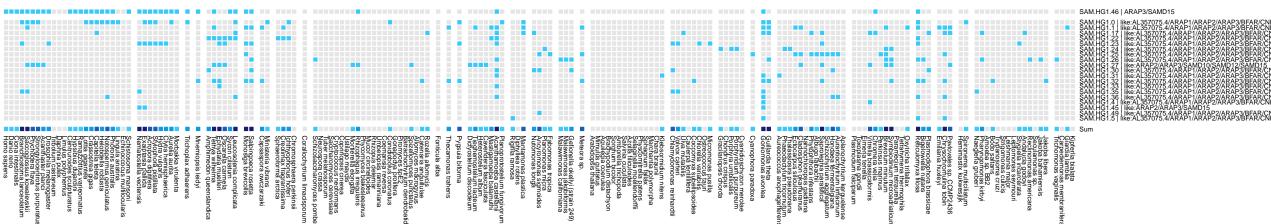
SAM.HG1.42, ARAP2 (19 similar OGs)



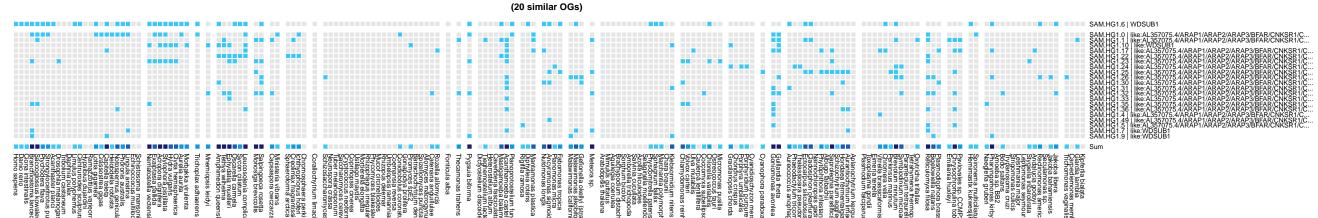
SAM.HG1.44, SAMD10/SAMD12 (20 similar OGs)



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



SAM.HG1.6, WDSUB1



SAM.HG10.0, KIF24 (0 similar OGs)

	· · · · · · · · · · · · · · · · · · ·		SAM.HG10.0 KIF24
			Sum
Exclusive administration of the control of the cont	Pygsuka biforma Thecamonas trahens Fonticula alba Rozella alfomycis Bozzellomyces punktaius Bozzellomyces biekesleaanus Buxozorinyces biekesleaanus Bozzellomyces punktaian Bozzellomyces punktaian Bozzellomyces punktaian Bozzellomay bozzellomyces Bozzellomyces punktaian Chomoszellomyces punk	Guillardia theta Goninomonas avonela Gyandopschyzon merolae Gyandopschyzon Gyandopsch	Kipletila bidelta Garpa Glardia lambranifera Garpa Glardia Jambranifera Garpa Glardia Jambranifera Garpa Glardia Jambranifera Tinchomonas vaginalis selakoba libera selakomonas sa prenciana syajelia inčarcheria septomonas sa prenciana syajelia inčarcheria septomonas sapronuri septomonas sulidas sep

SAM.HG11.1, LRSAM1 (1 similar OGs)

Echinococc Lingula ana Phorens an Notospermi	Trichoplax a Morbakka v Aurelia auril Clytia hemis Hydra vulga Hydra vulga Stylophora a Stylophora di Exalptasia para a Morbakka nyona di Exalptasia para di Morbaka nyona nyo	Sabingoeca rosetta Monosiga brevicoliis Leucosolenia complicata Syon ciliatum Oscarella carmela Ephydatia muelleri Pethya wilhelma Amphimedon queenslandic	Corallochyte Chromosph Chromosphor Chromosphor Chromosphor Chromosphor Chromosphaeroforr Ministeria v Capsaspora	plinnyes she? Garapodya bolilera Garapodya bolilera Connidordus cononatus Connarisa reversa (mobilous tamaniana mobilous tamaniana sapubococus inerera sapubococus sapubo	Acanthamo Mastigamos Mastigamos Mastigamos Edverderia Hecerosteliu Tieghemos Dictyosteliu Pygsuia bitt Pygsuia bitt Thecamona Fonticula all Fonticula allo Rozella allo Rozell	Gefronella okellyi (strain 249) ya lamman kanaman kana	Coulcimity and Coulci
a mansoni us mulilocularis is rialis is rialis is rialis oblicis oblicis is supplication is scupluratus scandum phemius istaneum financeolatum ins kowatevskii ima lanceolatum ins supplication	irulenta ia ia ia ia ia jahaerica iris illata pistillata gittera jallida jallida jallida	a rosetta revicollis la complicata um armela melleri jima n queenslandica	ium limaci aera perki us hoferi ragrantissi ma arctica ibrans brans	spE2 prolifera is coronature reversa remersa remannia elemar sellorides s blakesie s blakesie s lakesie s lakesie s lakesie s lakesie s lakesie s plakesie s plakesi	ba balamuthi ba balamuthi ba balamuthi ba balamuthi ba balamuthi fasciolata in album elilum lacteum m discoideum m discoideum m discoideum strahens ba ba lacteum mycis lacteum mycis lacteum dendroba within dendroba	kellyi (stra as jakobito as californi as californi s micra as sigmoid longa is plastica vians osa	supellipsorded prilling and pri
Illicoularis se su la liculatus ta se su se s	o.	ata andica	sporum nsii ma	na na eganus is is is nans isiae	dry summer a summer sum	lin 249) rmis iana les	oidea hardtii hardtii yon

SAM.HG11.1 | LRSAM1

SAM.HG11.0 | like:LRSAM1 Sum

SAM.HG14.0, SAMD3

(0 similar OGs)

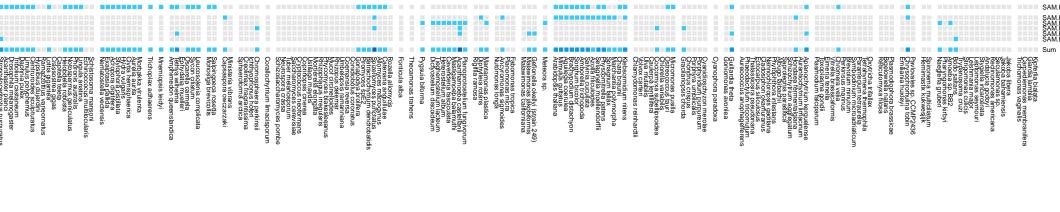
	 			· · · · · · · · ·
Schlistosoma mansoni Erdinio coccus multiocularis Robronia sustralis Robronia sustralis Erdinio compositorio con controlo Erdinio compositorio compositorio con controlo Erdinio compositorio compositorio con controlo Erdinio compositorio compositorio con controlo Erdinio coccus controlo Erdinio controlo Erdinio coccus controlo Erdinio controlo Erdinio coccus controlo Erdinio coccus controlo Erdinio coccus controlo Erdinio controlo E		Nucaches perintides Procurroces bales leaenus Rhotpierales inregularis Mortierales lengalaris Mortierales lengalaris Setilago rraydis Setilago	scamonas to tricula alba tricula alba zella allomy tenaria and myces mas zellomyces mas cellomyces speriariachochytri. Trachochytri proposobolus pro	

SAM.HG14.0 | SAMD3

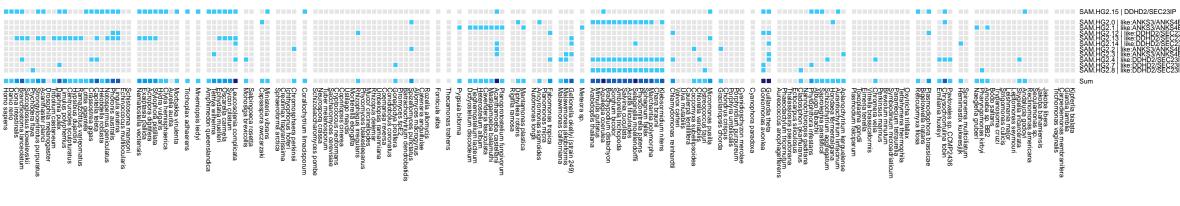
SAM.HG2.10, ANKS4B/USH1G (5 similar OGs)

					-										•	
Schistosoma mansoni chinococcus multiboularis chinococcus multiboularis chinococcus multiboularis chinococcus multiboularis handoni saustralis voi ospermus geniculatus electrolista delega electrolista delega chinococcus ch	Intolopkak ayinderlas Mohjakka yindlenta Cyrigi a misiphaerica Cyr	Mnemiopsis leidyi	Leucosolenia complicata Svcon ciliatum Oscarela camela Envyatia muelleri Teithya wilhelma Amphimedon queenslandica	Salpingoeca rosetta Monosiga brevicollis	Ministeria vibrans Capsaspora owczarzaki	Chromosphaera perkinsii Ichthyophonus hoferi Creolimax fragrantissima Sphaeroforma arctica	Corallochytrium limacisporum	Seizeriouros ser in mantis se seizeriouros ser in mendro ser in conapora ser in mendro ser in conapora ser in mendro ser in conapora ser in ser in conapora ser in ser in conapora ser in ser in ser in conapora ser in ser	Rozella allomycis Catenaria anquillulae Allomyces macrogynus	Fonticula alba	Pygsuia biforma The camonas trahens	Planoprotoselium furgivrum Acanthamoeba oselilari Mastigamoeba balamuthi Georgeti ala butum Helenoseli ala butum Tieghrenoseliliyin lacteum Dictyostelium discoudeum	Mantamonas plastica Diphylleia rotans Rigifila ramosa	Fabomonas tropica Planomonas micra Ancyromonas sigmoides Nutomonas longa	Gefionella okellyi (strain 249) Malawimonas jakobiformis Malawimonas californiana	Meteora sp.

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



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



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

				SAM.HG2.17 ANKS6 \$AM.HG2.0
Mohosiga brevicolis Leucoselpnia complicata Scora ilatum Oscarela camela Envodala muelleri Amphimedon queenslandica Mohakka viruenta Ayda i enmisphaerica Ayda i engisphaerica A	Thecamonas trahens Fontcula alba Rozalia allomycis Caleriaria anguillulae Salimachopyria prolifera Salimachopyria prolifera Canapodyra prolifera Salimachopyria Caleriaria Caleriar	Connonoras avonea Oyanophora paradoxa Oyanophora paradoxa Oyanidoschyzon meroka Oyanidoschyzon Oyan	cycle fire a balana cycle	Sum

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



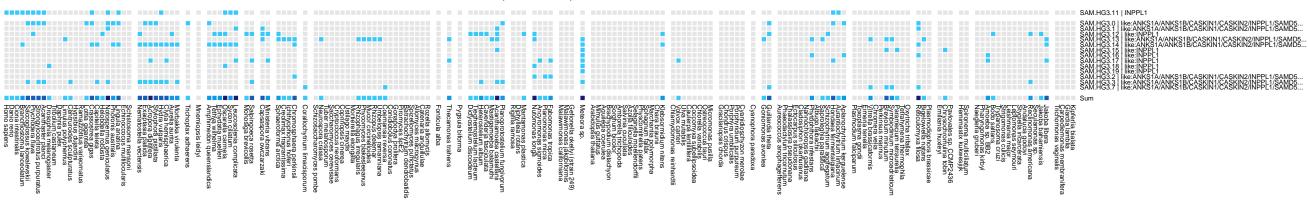
SAM.HG2.5, TNKS/TNKS2 (4 similar OGs)



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

				SAM.HG3.10 ANKS1A/ANKS1B/C SAM.HG3.0 Ilice ANKS1A/ANKS1B/C SAM.HG3.11 Ilice ANKS1A/ANKS1B/C SAM.HG3.12 Ilice ANKS1A/ANKS1B/C SAM.HG3.12 Ilice ANKS1A/ANKS1B/C SAM.HG3.2 Ilice ANKS1A/ANKS1B/C SAM.HG3.20 Ilice ANKS1A/ANKS1B/C SAM.HG3.31 Ilice ANKS1A/ANKS1B/C
Gésarie ila cairriella Ephynadia muelleri Ephynadia muelleri Teffina wilhelmia Amphimedon queenslandica Mnemiopsis leidyi Trichoplax adhaerens Morbakta virlanensa Aurella aurita Gylda hemisphaerica Sykda volga ili siliana Auropora deligiteria Exapitasa pallida Exa	Rossella albmyois Calemaria any Juliuliae Allomyces malorogynus Speziolmyces purchatus Speziolmyces purchatus Speziolmyces purchatus Speziolmyces purchatus Speziolmyces purchatus Speziolmyces purchatus Conidioxidus coronaus Coronaus delemaria Coronaus delemarias Speziola coronaus corona	Klebsormidium nitens Chara brauni Chara brauni Marcharita pilymorpha Marcharita pilymorpha Physcontirella patens Seeganjella moellendorifii Malawimonas lakobitomia Malawimonas salforimana Febornoras ropica Annyromonas ropica Annyromonas nograides Nutiomonas longarides Nutiom	Jeriahymena treimognia symbodium minutum Beraylian industrial symbodium minutum Beraylian industrial symbodium minutum Pakinsus rajinus Ylliahimas sarial ormis Emeria teralia Toxoplasma gondii Toxoplasma Gondon Pasmodii Toxoplasma gondii Toxoplasma Gondon pubbili goli Babchii Toxoplasma Gondon pubbili goli Gondon pubbili goli goli goli goli goli goli goli g	Kipferija balata Giardia, lambia Tichornomas waginalis Clarpodermonas waginalis Jakoba libera Andaluda godovi Siguelia infacetara Leptomonas sejirriona Andaluda godovi Siguelia infacetara Leptomonas sejirrioni Sirgomonas cirizi Phanyopomonas kirbyi Naegleria gruberi Naegleria gruberi Naegleria gruberi Naegleria gruberi Padovales sp. CCMP2436 Emiyaoribomiuliya bohn Plasmodipohora brassicae Bejedwella nagars Reiculomyva lilosal

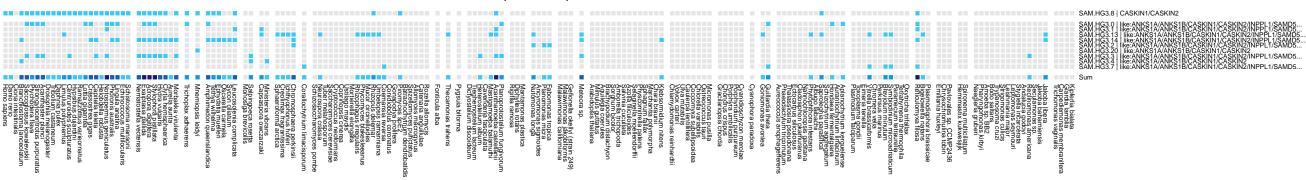
SAM.HG3.11, INPPL1 (13 similar OGs)



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

		(0 Sillillar OOS)		
				SAM.HG3.6 SAMD5/SAMSN1/SASH1/SAS
				SAM: HG3:31 IKE: ANKS A/ANKS B/CASK SAM: HG3:51 IKE: ANKS A/ANKS B/CASK
Morbakka yirulenta Ayrelia aurila Ayrelia aurila Cyta hemsphaenica Cyta hemsphaenica Rydra wilgais Rydra wigais Rydra wiga	Sirzelfornyces pulcriatis Battachodytulm dendobatids Promyces SpE-2 Promyces SpE-	Porthyra umbilicalis fordatus crispia umbilicalis fordatus crispias fordatus fordatu	Jacoba bahamiensis Jacoba bahamiensis Jacoba bahamiensis Recilamonas pare	Supportina bialata Gardia ambusa membranifera Indononas vaginalis

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



SAM.HG4.0, PHC1/PHC2/PHC3 (0 similar OGs)

SAM.HG4.0 | PHC1/PHC2/PHC3

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

SAM.HG4.1 | L3MBTL3/L3MBTL4/SAMD1/SAMD7/SAMD11/SAMD1/S

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

		SAM.HG5.3 MAP3K20 SAM.HG5.4 like:EPHA1/EPHA2/EPHA4/EPHA5/EPHA6/EPHA7/ SAM.HG5.1 like:EPHA1/EPHA2/EPHA4/EPHA6/EPHA6/EPHA7/ SAM.HG5.1 like:EPHA1/EPHA3/EPHA4/EPHA6/EPHA6/EPHA7/ SAM.HG5.2 like:EPHA1/EPHA3/EPHA4/EPHA6/EP
Conidocidus prolifera Conidocidus comonatus Conidocidus comonatus Conidocidus comonatus Conidocidus Comonatus Conidocidus Comonatus Conidocidus Comonatus Conidocidus Republica Republica Conidocidus Republica Republic	Plas modium facipiarum kergusile harramicorpurium limacin harramona pratica proposa para doxa Cyanophora paradoxa Cyanophora basili modella control paradoxa Cyanophora basili modella cyanophora paradoxa Cyanophora cyanophora paradoxa cyanophora cyanophora paradoxa para	Kipferlia bialara Gardia lambiara Regilimomoras americana Regilimomoras americana Regilimomoras americana Regilimomoras semouri Regilimomoras semouri Septemania major Septemania lambiara Septemania major Septemania lambiara Sep
in ratus	a a a a a a a a a a a a a a a a a a a	iform

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

						•						
												SAM.HG5.8 EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/EPHA8
	-						•					SAM HGS 0 Ikie EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/ SAM HGS 1 Ikie EPHA1/EPHA2/EPHA3/EPHA4/EPHA6/EPHA6/EPHA7/ SAM HGS 1 Ikie EPHA1/EPHA2/EPHA3/EPHA6/EPHA6/EPHA6/EPHA6/EPHA7/ SAM HGS 2 Ikie EPHA1/EPHA2/EPHA3/EPHA4/EPHA6/EPHA6/EPHA7/ SAM HGS 2 Ikie EPHA1/EPHA2/EPHA3/EPHA6/EPHA6/EPHA7/ SAM HGS 5 Ikie EPHA1/EPHA2/EPHA3/EPHA6/EPHA6/EPHA6/EPHA7/
							•					SAM HG5-10 like: EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/
												SAW.HG5.4 like:EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/ SAM.HG5.4 like:EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/ SAM.HG5.5 like:EPHA1/EPHA2/EPHA3/EPHA4/EPHA6/EPHA6/EPHA7/
												SAM.HG5.6 like:EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/ SAM.HG5.7 like:EPHA1/EPHA2/EPHA3/EPHA4/EPHA5/EPHA6/EPHA7/
IOUBÒÀO≒OEUNZOUZAEU	Ñ ZWĎŃIU⊅Z ∃ Z ⊅≅L	100E S0 US 0U	O O WZ-WOOCZZZ	ד גרי<מישניטט⊃ע≥	J UHIOZ≯T	מ≥≥ ודמ<צ ≥סוג ו	2 ><>₩000>0 X0>₩0000X 0<<>>0	രെ റെയോ റെ ഒ	>mHr < <ra>r</ra>	ב כח כשג ס⊢נטשנים	OC ZUDBHOFFODRUFE HOO	7X
otoso otoso otoso otoso otoso arasite aphritri controlli	mph nem nem icho orbe vydra vydra ema chist	reofi phae phae aps: apin apin ono: scar	hyco hizo hizo hizo oprir oprir euro chizo orall	ontic ozell aten aten llomy pizel atrace irom onat onat onat onat onat onat onat onat	land cant lastic laver leter legh lictyo ygsu ygsu	lalaw lalaw lalaw lancy lanta lanta	lebs larch hara	yanc orphio racilicror	oxop lasm lasm lasm lasm lasm lasm lasm lasm	aviox hrys milias eticit reviox revio	piror	ipi fer
connections of the connection	with a will with a will mphimed mphimed in choplax ichoplax orbakka urigita hem lytia hem ydra vulgydra vulgydr	reolimax phaerofo linisteria apsaspo alpingoe lonosiga onosila scarella	hycomyc hizophac lortierellä stilago m oprinops ryptococ accharor eurospor chizosac orallochy	onticula a ozella all atenaria illomyces pizellomy pizellomyces pizellomyces onapody onidiobo onemansi nepolos a	lanoprou cantham cantham lastigamo lastigamo lastigamo leterostel leterostel letyostel ygsuia bi	efionella lalawimo lalawimo lalawimo lalawimo lanomona lanomona lanomona lanomona lanomona lantamora lanta	aulerpal va aulerpal lya muta	yanopho yanidioso orphyridi orphyra or	itrella bra imeria te oxopiasm las modiu planochy urrantioor ondaea i chizochy aprolegh hytophth annochle cladosiphth haeodac ureococc	emimast avlovales hrysochr miliania I lasmodio igelowiel eficulomy eficulomy effahyme erfahyme erfahyme erfahyme erfahyme erfahyme	iardia lara rapedien	iprejila bi
controlled the contro	emplimedon on mphimedon on mphimedon on memiopsis le ichoplax adhli orbakka virul urelia aurita lytia hemisphora pis yolophora pis yolophora pis yolophora bis yolophora bis yolophora bis yolophora pis apprasa digiti xalphasa pis ana markata yolophora pis	reolimax frag phaeroforma linisteria vibra apsaspora o aplingoeca re lonosiga brev lonosiga brev lonosiga brev goon ciliatum	hrycomyces by hayde and in hypothagus in lorite rella elo istilago maydi oprinopsis y di oprinopsi	onticula alba ozella allomy atenaria ang llomyces mag pizellomyces pizellomyces pizellomyces pizellomyces pizellomyces pizellomyces pizellomyces pizellomyces pizellomyces coniciobolus coniciobolus piconiciobolus piconicio	landprotostel canthamoeba canthamoeba lastigamoeba lastigamoeba lavender la faxilitation avender la faxilitation la faxilitati	effonella oke lalawimonas lalawimonas lalawimonas rabanomonas mojoromonas mojoromonas lorutomonas loru	incorpia varia accomy as il accomy as il wa mytabilis olivox carteris hiamydomon heasornidiur hara brauni archantia po phagnum fali culoid alvinia cuculi arinia po phagnum fali culoid avinia cuculi arinia cuculi	yanophora pa yanophora pa yanidioschyz yanidioschyz orphyra umb hondrus criss racilar iopsis racilar iopsis	meria tenella immeria tenella immeria tenella immeria tenella concordante della conc	lemimastix ku avlovales sp. hirysochromu millania huxle lasmodiopho igelowiella na eticulomyxa eticulomyxa xyyrincha trilal etrahymena t aramecium tra yrinbodhum inni feviolum mini feviolum mini feviolum mini promera veille	iaidia, lambia arapediemonas va inchomonas va inchomonas va inchomonas sa eculamonas seculamonas seculamonas seculamonas selomonas asa moeba sp. 18 maryopomonas companosomas acupanosomas acupanosomas acupanosomas acupanosomas acupanosomas moeba sp. 18 maryopomonas companosomas acupanosomas moeba sp. 18 maryopomonas companosomas acupanosomas acupanos acupan	įžvierila bialat
rimpococjis muti primpococjis muti primpococjis muti primpococjis muti primpococjis modelni p	mitya wilhelma mphimedon quee memiopsis leidyi ichoplax adhaere orbakka virulenta urelia aurila urelia aurila yida hemisphaeri yida hemisphaeri yida hemisphaeri yida palilida acipora digirila aurila cropora digirila aurila cropora digirila et cropora et cropor	reolimiax fragrant phaeroforma arct phaeroforma arct linisteria vibrans apsaspora owczz apingoeca rosett lonosiga brevicolli tum ycon ciliatum scompicalia complascipia carmela, scarjelia carmela,	hycomyces blake hizophagus irred is alongati stillago maydis stillago maydis control in the cont	onticula alba corella allomyois atenaria anguillu liomyces macrog pizellomyces pun atrachochytrium atrachochytrium comidoblus corro- comansia revers; inizopus delemar inizopus delemar inizopus delemar inizopus circinelloide	landprotostellum canthamoeba cast canthamoeba cast cast can control cast cast cast cast cast cast cast cast	reffonella okellyi () alawimonas jakoj lalawimonas califi lalawimonas tropica abonomas tropica lanomonas micra ncyromonas sigra lutomonas longa lantamonas plasti lantamonas plasti liphylleia rotans igifila ramosa	coccern va subulili qualification de management de management planta de management de	uillardia theia oniomonas avoni omonas avoni yanophora parad yanidioschyzon nyanidioschyzon morphyridium purpi orphyra umbilicali hondrus crispus racilariopsis chorosis the streococcus tauti ilicromonas pusilla ilicromonas pus	irrelia brassicator meria tenella morta tenella concentratoria della con	femilimastix kukwe aydoxales sp. CCN hrysochromulia hrysochromulia hrysochromulia miliania huxley i asmodipohora brigelowiella najaar efficulomyxa filosowyka filosowyka filosowyka myricha trifalex aramecjum teria aramecjum teria kuramecjum kurama kuramecjum kurama kuramecjum kurama kuramecjum kurama kurama kurama kuramecjum kurama kuram	ialdia, lambila rapedermonas michomonas michomonas michomonas din dispersione de cilindra del cilindra de	įpiejia balata
rimpococojis mullioo, irmpococojis mullioo, irmpococojis mullioo, irologis musi seli eloosee appia la riela appie la riela appie la riela ana sodi riela eloosee appie la riela eloosee appie la riela eloosee appie la riela eloosee sculptura mulais polybemus	mityla willhelma willyling willhelma willhelma willyling willhelma willhelma willhelma willhelma willhalma	regolimax fragrantissin phaeroforma arctica phaeroforma arctica inisteria vibrans apsaspora owczarzał abingoeca rosetta lonosiga brevicollis eucosolenia complica sycan ciliatum spija carmęla, spija carmęla,	hycomyces blakeslee hizophägus irregulari loriterella elongala stillago maydis copiniopsis cinerea ropiniococcus neoform accharomyces cerevit uber melanosporum leurospora crassa chizosaccharomyces orallochytrium limacis tromosphaera perkin	oonlicula alba coella allomycis alenaria anguillulae illemyces macrogynus pizellomyces purcati, atracholytrium dend iromyces spizel compaoya prolilera condabodius coronaus coemansia reversa inbelopsis ramannian inbelops	landprotostellum lung cannhamoeba balamu lastigamoeba balamu avenderja lasciculata leterostellum alche leghemostellum lacei leghostellum discoide. ygsula biforma hecamonas trahens	reifionella okellyi (stail lalawimonas idobilor lalawimonas tropica lanomonas micra lanomonas micra lutomonas sigmoide lutomonas sigmoide lutomonas plastica ignifia ramosa	coroniv as sibelilipsoi accordina si sibelilipsoi accordina formatiera (manufactura formatiera form	uillarda treta oniomonas avoniea yanophora paradoxa yanophora paradoxa yanidioschyzon merol orphyral umbilicalis undrus crispus racialiropsis chorda licromonas pusiliri briceloccus taliri	irriella ivassiciatormis menta tenella imenta tenella imenta tenella in accopiara dondi macciona della planochritum fergua uranticohritum lingua di condeae a fermenta igara chizophirum adgeni allocohritum alguara chizophirum adgeni allocohritum alguara chizophirum adgeni allocohritum alguara in accipitoro pia annochicorosis gadita ladosiphon o karimenta ladosiphon	femilmästix kukwesjijki aydovales sp. CCMP2; hrysochromulina kobi milana huxleyi milana huxleyi sarmodiophora brassi igelowiella nalara eficiculomyxa filosa wyrticha trifallas arameejum teriapurela berlankynena thermopheramyena marinus arameejum teriapurela wella sus marinus arameejum teriapurela wella sus marinus arameejum teriapurela wella sus marinus arameeju vella sus marinus arameeju vella sus marinus arameeju vella sus sus sus sus sus sus sus sus sus su	iardia lambia arpetiamorias regmalis aleba libera adoba bibera adoba abarinas a corrior dialuda godow regilamorias seymouri adoba abarina a regilamoria a regilamoria a regilamoria a regilamoria adoba abarias guderi adoba abarias guderi anaghiga guderi	įpięjia balata
rimpococijs mulilocularis rimpococijs mulilocularis odospermus genicularus odospermus genicularus odospermus genicularus papitella rieda alas odpreta guas alas odpreta guas pasituis dujardini parti polypiemus parti polypiemus parti polypiemus parti polypiemus parti polypiemus parti polypiemus parti polypiemus pol	hiriya wilhelma mphimedon queenslandic nemiopsis leidyi cichoplax adhaerens orbakka yirulenta yirila adhaerens pallela adhaerens adhaerens pallela adhaerens adhaeren	regolimax fragrantissima phaeroformă arctica iinisteria vibrans apsaspora owczarzaki apingoeca rosetta lohostiga brevcolilis eucosoljenia complicata ycon ciliatum scanjelia carmela,	lycomyces blakesleeaun http://wcomyces blakesleeaun jointeen ale adongda gointeen ale adongda popmoussis cinene popmoussis cinene popmoussis cinene popmoussis cinene dorinteedactain jointeedactain popmoussis popmoussis popmoussis blakesleeaun jointeedactain popmoussis blakesleeaun jointeedactain jointe	onticula alba corella albayeis lucenaes and couyrus prelionnyes punchalus arrachochyrum dendroba arrachochyrum dendroba condobdius coronaus inbulosis reversaus	landproussellum lung vyti cantharmoeba castellänji flastigamoeba balamuthi avenderja tascjoulata leterostellum album ieghemostellum laceum ictyostellum discoideum ygsuia biforma hecamonas trahens	reifonella okelly i (strain 24) falawimonas idablotimis falawimonas californiana abomonas tropica fanomonas micra fanomonas sigmoides fuctiononas sigmoides fuctiononas pastica fandamans pastica fighilleia rotans giffia ramosa giffia ramosa	cocorin va sibbilipsoidea aderpa le nilliera (va mutabilis era horozofa politica politica politica carteri as enhardum niteras leas ormidum niteras leas prauli morpha hosourum falta prauli morpha politica polit	uillardia ineta voniomonas avonlea yanophora paradoxa yanidosentyzon merolae dorphyra umbilicalis hondrus crispus hondrus crispus hondrus crispus fuciononas pusilira kiteogoccus taluri	irreila irassiciatormis imeria tenella imeria tenella coxplasma gondi ascopiama della planochytimi herguselma uranicohytimi herguselma di condeae i ermentaligana di condeae i ermentalia di condeae i er	fernimastix kükwesijik ienimastix kükwesijik ienimastix kükwesijik ingokulla bobi finyacırılının bobi finyacırılının bobi finyacırılının bobi finyacırılının brasicae igelowlella najans ieliculomyxa iliosa ingokumlarılının serjaurunlarılının teraurullarılının teraurullarılının bropulum minihum minihum minihum serjalının serjalını	iadua lambia iardelamoia rapediermoras reginals aloba libera aloba biera aloba biera aloba biera aloba biera aloba biera aloba biera rapediermoras aloba biera aloba biera aloba biera aloba biera aloba biera aloba biera biera aloba biera aloba biera aloba biera bie	įpięjia balata
rimpococojis mulliocularis rimpococojis mulliocularis officiale de la conseguente del conseguente de la conseguente del conseguente de la	hirdy witherma mphimedon queenlandica memiopsis leidyi cichoplax adhaerens consakka yirulenta yirila adhaerens palleira adhaerens adhaeren	regolfrak/ regorantissima phaeroformā arctica linisteria vibrans apsaspora owczarzaki abirigoeca rosetta lonoślga brevicollis lonoślga brevicollis eucosojenia complicata ycon ciliatum regolfraka armąłą, spanjią campłą, s	lycomyces blakesleeanus fuzghagus fregularis guidet eila edonyalia guidet eila edonyalia gopinforsis cineres copinforsis cineres copincoloris cineres del respondin eurospondin cineres funciosaccia enombe coralloctyrium limacisporum coralloctyrium limacisporum (trigimo sphaera perkinsi	ornicula alba coralia albamycis coralia albamycis lioences andoculyus preliomyces puricealus arrachodyrujun dendrobatidis corajooga polifera corajooga polifera corajooga polifera nobelopusis reversa an inbelopusis reversa	Landy hosserium nungwirum ilandy brosserium nungwirum ilandy ilandi ilan	jetionella dvellyi (strain 249) lalawinnonas idabiorimis alawinnonas idabiorimis alawinnonas tropicia lanomonas micra lanomonas micra lanomonas suganides nicronnonas longa lucionnonas longa lucionnosas longa landamonas plastica liphylleia rotans igrifia ramosa	cocorin va sibbilipsoidea aulerpa le nillilera (va mutabilisiera koranteria) eta entre de la compania eta entre del compania eta entre de la compania eta entre del compania eta entre de la compania eta entre del compania eta ent	unilardia meta oriomonas avoniea yanophora paradoxa yanophora paradoxa yanidosehyzon merolae orphyra uniblicalis orphyra uniblicalis hondrus crispus hondrus crispus tracilariopsis chorda icromonas pusilia icromonas pusilia	irreila ivassiciatormis imeria tenella imeria tenella imeria tenella ilasmodum acoptasma gondin acoptami palancolvirium ingranema dizcopirium ingranum orizophrium aggiama dizcophrium aggiama dizcophrium aggiama andochloropisa gadiana janochloropisa gadiana jadosphron disamuranus algosphron disamur	fernimastik kükvesijik ileriminastik kükvesijik ileriminastik kükvesijik ileriminastik kükvesi kun	iadua lambia arpediermoras reginals arpediermoras reginals acho albera acoba banamensis ecularmoras aproducina acoba banamensis ecularmoras aproducina podo in Carota acestra a companio acestra a companio acestra a companio acestra a companio acestra aces	iprerija bialata

SAM.HG6.0, AP002336.5/KAZN/PPFIA1/PPFIA2/PPFIA3/PPFIA4/PPFIBP1/PPFIBP2

(0 similar OGs)

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

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

	•																																									
Sáccoglossus kowalevskii Branchiostoma lanceolatum	Acanthaster planci Strongylocentrotus purpuratus Ptychodera flava	Dabrilla buex Tribolium castaneum Drosophila melanogaster	Limulus polyphemus	Lottia gigantea Ramazzottius varieornatus	Capitella teleta Crassostrea dioas	Phoronis australis Notospermus geniculatus	Echinococus multilocularis Lingula anatina	Nematostella vectensis	Acropora digitifera Exalptasia pallida	Stylophora pistillata	Aurella aurita Clytia hemisphaerica	Morbakka yirulenta	Trichoplax adhaerens	Mnemiopsis leidyi	Ephydatia muelleri Tethya wilhelma Amphimedon queenslandica	Leucosolenia complicata Sycon ciliatum Oscarella carmela	Salpingoeca rosetta Monosiga brevicollis	Ministeria vibrans Capsaspora owczarzaki	Sphaeroforma arctica	Chromosphaera perkinsii Ichthyophonus hoteri	Corallochytrium limacisporum	Neurospora crássa Schizosaccharomyces pombe	Saccharomyces cerevisiae Tuber melanosporum	Counage Hayers Cryptococcus chectormans	Rhizophagus irregularis Mortierella elongata	Mucor circinelloides Phycomyces blakesleeanus	Umbelopsis ramanniana Rhizopus delemar	Conidootya prollera Conidootolus coronatus Coemansia reversa	Piromyces spE2	Catenaria anguillulae Allomyces macrogynus Spizellomyces punctatus	Rozella allomycis	Thecamonas trahens	Pygsuia biforma	Dictyostelium discoideum	Heterostelium album	Planoprotostellum tungivorum Acanthamoeba castellanii Mastigamoeba balamuthi	Riginia ramosa	Mantamonas plastica Diphylleia rotans	ratomonas tropica Planomonas micra Ancyromonas sigmoides Nutómonas longa	Geinonella okeliyi (strain 249) Malawimonas jakobiformis Malawimonas californiana	Meteora sp.	Arabidopsis thaliana

SAM.HG8.1 | STIM2 SAM.HG8.0 | like:STIM2

Sum

Sáccoglossus kow Branchiostoma lan Ciona intestinalis Danio rerio Homo sapiens

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

		SAM.HG9.0 SAMD4A/SAMD4B
		Sum
Ebrydatia muelleri felinya wilhelma felinya wilhelma felinya wilhelma Amphimedon queenslandica Amphimedon queenslandica Memoposis leidyi Trichoplax adhaerens Guylla hemisphaerica Cyylla hemisphaeric	Secimiyaria muhicisi Gracilariquis principurami Gracilariquis de dispersione Gracilariquis de dispersione Gracilariquis de dispersione Gracilariquis de dispersione Gracilariquis de dispersione Georgia de dispersione Gracilariquis de dispersione Georgia de dispersione Malawimonas plastica Mantamonas plastica Deprincipul de dispersione Malawimonas plastica Georgia de dispersione Malawimonas plastica Deprincipul de dispersione Malawimonas plastica Deprincipul de dispersione Malawimonas plastica Deprincipul de dispersione Malawimonas trahens Thecamonas trahens Tendicala alba Pagua biforma Pygsula bifo	Kipferlia bialata Candal ambita sinembranifera Candal ambita sinema Seculamonas sologia Seculamonas s

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

					SLED.HG1.0 SCMH1/SCML2/SCML4/SFMBT1/SFMBT2
					Sum
Mmemopsis iedy/ Trichoplax adhaerens Morbaka yriulenia Aurilla aurilla aerica Qyla Heriusyla erica Qyla erica Evalpiasa Jaliida Evalpiasa Jaliida Evalpiasa Jaliida Heriusyla erica Evalpiasa erica Evalpiasa erica Evalpiasa erica Evalpiasa erica Evalpiasa erica Evalpiasa	Cirlomospheara perkinsi (Cirlomospheara perkinsi (Cirlomospheara perkinsi Schearotorma articana Schearotorma articana Schearotorma articana Schearotorma articana Monosiga breviccilis Sepingoogen oseita Monosiga breviccilis Le ucosplenia complicata Scene liaurimala Circomospheara muellen Ethya willjenna Ethydasia muellen Ethya willjenna leitya willjenna Leitya willjenna Leitya willjenna separationa perkinsi sepinga separationa kantoni medon queenslandica	Diplyliela rotaris Rigidal ramosa Ri	Cyaniupunua karawwa Cyaniupunua karawwa Cyanidigschiyoon menda Epityiriduni gurpureum Epity	Jakoba liberaini Jakoba liberaini Jakoba baharini Jakoba Jak	Kiplerila bialata Garda lambita Garda lambita membranifera Ticipromotas veginalis

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

YAF2_RYBP.HG1.0 | RYBP/YAF2