#### ASF1\_hist\_chap.HG1.1, ASF1A/ASF1B (1 similar OGs)

## CAF1A.HG1.0, CHAF1A (0 similar OGs)

		CAF1A.HG1.0   CHAF	\F1A
		Sum	
Chrimmosphaeri perkinsi i Chrimmosphaeri perkinsi i Chelindar tragrantissima Schaerdorma arctica Apissepora verzarzaki Salpingoeça roseitja Secon ciliatum ompiicata Secon pilatum ompiicata Memorosa pilatua Arcipica digitteria Acripica digitteria Selphiaspanta ala Sephiaspanta assirtais Selphiaspanta assirtais Selphiaspanta assirtais Selphiaspanta senociatus Selphiaspanta assirtais Selphiaspanta assirtaispanta assirtaispant	Geforpella okellyi (strain 249) Malawimonas ilakubiromis Malawimonas ilakubiromis Pabomonas ingoides Autoromas ropica Palamonas signoides Mantamonas signoides Mantamonas plastica Biglilla aranosa Biglilla aranosa Palamonas plastica Biglilla aranosa Palamonas plastica Biglilla aranosa Palamonas plastica Biglilla aranosa Palamonas trahens Teothemoselium discouldeum Pogsulai birorma Thecamonas trahens Fonticula a iba Aliomycas madrogynus Populai birorma Thecamonas trahens Fonticula a iba Rozzella aliomycis Galtemaria andytillulae Aliomycas madrogynus Bertellomyces puriodatus Spizellomyces puriodatus Spizellomyces puriodatus Spizellomyces indicatus Spizelomyces	Kipterlia bisiajaa kipterlia bisiajaa bisiajaa liika kaba liika arinenisis Seculamonas vaginalisis Seculamonas vaginas	

## CHZ.HG1.0, HIRIP3 (0 similar OGs)

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Schistosoma mansoni Echinococous multilocularis Ingula anatina Phoronis australia Phoronis australia Notospermus geniculatus Applicatio de lega Capitiella te lega Capitiella te lega Crassostrea glipantea Crassostrea glipantea Crassostrea glipantea Crassostrea glipantea Crassostrea glipantea Crassostrea glipantea Crassostrea glipantea Crassostrea con control control control control con control contro	Morbakka virulenta Aurelia aurita Clytia hemisphaerica Hydra vulgaris Stylophora pistiliata Adropora digittlera Exalptasia pallida Nematostella vectensis	Mnemiopsis leidyi Trichoplax adhaerens	Leucosolenia complicata Sycon cliatum Oscarella carmela Ephydatia muelleri Tethya wilhelma Amphimedon queenslandi	Salpingoeca rosetta Monosiga brevicollis	Ministeria vibrans Capsaspora owczarzaki	Chromosphaera perkinsii Ichthyophonus hoferi Creolimax fragrantissima Sphaeroforma arctica	Corallochytrium limacis	Conrigyon in yus Conrigonis Control Co	Jcor circinelloides lycomyces blakesli lizophagus irregula ortierella elongata	napodya prolifera nidiobólus corona emansia reversa nbelopsis ramanni izopus delemar	izella allomycis itenaria anguillulae omyces macrogyn izellomyces punct itrachochytrium de omyces spi-2	Fonticula alba	Thecamonas trahens	Pygsuia biforma	Planoprotostelium fungivoru Acanthamoeba castellanii Mastigamoeba balamuthi Cavendena fasciculata Heterostelium album Tieghemostelium lacteum Dictyostelium discoideum	Mantamonas plastica Diphylleia rotans Rigifila ramosa	Nutomonas longa
ni ocularis latus rnatus rratus	sis 2	Ø	slicata nslandica		aki	kinsii Sima a	cisporum	mans visiae s pombe	eeanus aris	tus ana	e ius atus ndrobatidis		0,		ngivorum sllanii sllanii teum teum	ш	lues

CHZ.HG1.0 | HIRIP3

#### Daxx.HG1.0, DAXX (0 similar OGs)

Corallochytrium limacisporum Chromosphaeria perkinsi Chromosphaeria perkinsi Chromosphaeria perkinsi Chromosphaeria perkinsi Chromosphaeria perkinsi Chromosphaeria barantsina Salpingoea nosetta Mohostga beviciolis Leucseelenia complicata Scanelia campia Leucseelenia campia Leucseelenia campia Leucseelenia campia Leucseelenia campia Leucseelenia campia Leucseelenia Leucseelen	Majawimonas idkobliominis Majawimonas idkobliominis Habamimonas topica Paromonas ropica Paromonas sigmoides Autormonas sigmoides Autormonas sigmoides Autormonas sigmoides Autormonas logida ramosa Paromonas palastica populiea notas sigmoides Rigidia ramosa Paromonas palastica populiea notas sigmoides Rigidia ramosa Paromonas las publica de la populiea notas sigmoides alamuthi caventeria fasociala tradicional proposali midiconte de la populiea del populiea de la populiea de la populiea del populiea de la populiea del populiea del populiea de la populiea de la populiea de	Reclinomonas americana Andalicia godovi A construire de la construire

Daxx.HG1.0 | DAXX

## Hira.HG1.0, HIRA (0 similar OGs)

		Hira.HG1.0	HIRA
Chipmosphaera perkinsi Chipmosphaera perkinsi Chipmosphaera perkinsi Chipmosphaera perkinsi Capsaspora owczarzaki Sapingopea roseita Sapingopea roseita Sapingopea roseita Sapingopea roseita Sapingopea roseita Sopondolis	Geflornella okellyi (sitarin 249) Geflornella okellyi (sitarin 249) Malawimonas (lationirans Malawimonas (lationirans Flabomonas (lationirans Flabomonas Indipica Flabomonas Indipica Maritamonas plastica Regillat amosas Regillat amosas Regillat amosas Regillat amosas Planoprotostellum flungivorum Maritamonas bastellaril Maritamonas bastellaril Maritamonas lationirat Regillatamosas lationirat Regillatamosas lationirat Regillatamosas lationirat Regillatamosas lationirat Regillatamosas	Kipperla bialajas Galrada ambila Galrada lambila Galrada lambila Galrada lambila Galrada lambila Galrada lambila Galrada lambila Jakoba Ibera Jakoba	

# NAP.HG1.0, NAP1L1/NAP1L2/NAP1L3/NAP1L4/NAP1L5 (5 similar OGs)

NAP.HG1.0 | NAP1L1/NAP1L2/NAP1L3/NAP1L5

Schistosoma mansonini Schistosoma mansonini Pruntococcini multibocularisi Priodomis australiisi Prodomis australiisi Notosperimus geniculatus Schistosoma guardesi publikasi pub	Mnemopsis leidyr Trichoplax athaerens Morbakka yrulenta Cyfella aurisinaerica Sylophora pisilitata Sylophora pisilitata Acripora Quillega Nemarostella wedensis	Ministeria vibrans Salpingoeca rosetta Monosiga breviccollis Leucossigania complicata Occarella carmela Occarella carmela Ephydalia mueleni Anthrimedon Jeveenslandica	Mortide ildi elongäta Ustiago maydis Coprifiosas cinerea Coprifiosas cinerea Syptococcus neotomians Syptococcus neotomians Syptococcus neotomians Sentzosaccharomyces pombe Corallochytirum limaacisporum Corallochytirum limaacisporum Chipmosphaera perkifirsii Cheming ynus subtesima Sphaerolomia arctica	Pygsula biforma The camonas trahens Fonticula alba Rozella allomycis Rozella allomycis Allomycis macrogynus Allomycis macrogynus Betrahonymis purkatus Gonalos is usatus Gonalos is	wim	Chlorella valrabilis Chlorella

# NAP.HG2.1, SET/SETSIP/TSPY1/TSPY2/TSPY3/TSPY4/TSPY8/TSPY9P/TSPY10/TSPYL1/TSPYL2/TSPYL4/TSPYL5/TSPYL6 (1 similar OGs)

NAP HG2.1 | SET/SETSIP/TSPY2/T

## Rtt106.HG1.1, SSRP1 (1 similar OGs)

																														RILIU6.H	G1.1   SSRP1
															•															Rtt106.H	G1.0   like:SSRP1
																														Sum	
Acanifisater planci Strongylooshrous purpuratus Ptychodena flaya Saccoglossus kowatevskii Saccoglossus kowatevskii Ciona iriestinala lanceolatum	Hamazzottius varieomatus Hypsibius dujardini Centuriodes scupburatus Cimulus polyphemus Daphila pulex Daphila pulex	Schistosoma mansoni Echnocooqus mulilooularis Inquila antalma Phoronis australis Adocspermus geniculatus Heiozbalia robista Capitella relefa Crassovirae gydas	Mohakka vrulenta Aurella aurita Cyfyla hemisphaerica Cyfyla hemisphaerica Kydophora pisillala Acropora digillera Acropora digillera Acropora digillera Nernakossila rectensis	Mnemiopsis leidyi Trichoplax adhaerens	Leucosolenia complicata Sycon ciliatum Oscarelia carmela Ephydatia muelleri Tethig wilhelma Amphimedon queenslandica	Cabsaspora Owczarzaki Salpingoeca rosetta Monosiga brevicollis	Certhyoxporacy Ryberthins Certhyoxporacy Ryberthins Company Co	Neurospora crássa Schizosaccharomyces pombe Corallochytrium limacisporum	Rhizophagus irregularis Mortierella elongata Ustilago maydis Ustilago maydis Coprinopsis cinerea Cryptococcus needormans Saccharomyces cerevisiae	Process de le la company de la	Rozella allomycis Catenaria angulilulae Catenaria angulilulae Allomyces acrogynus Spizellomyces punciatus Battachochutium dendriatus	Pygsula biforma Thecamonas trahens Fonticula alba	Acanthanoeba castellanii Mastigamoeba Jalamuthi Cavendrair lasciculata Heerostelium album Tieghermostelium laceum Dictyostelium discoideum	Mantamonas plastica Diphylleia rotans Righila ramosa Planoprotostelium fungivorum	Fabomonas tropica Planomonas micra Andyromonas sigmoides Nutómonas longa	Meteoria sp. Gefionella okellyi (strain 249) Malawimonas jakobitormis Malawimonas californiana	Sorghum bicholyoud Bradypodium distachyon Aquilegia coerulea Amimulis guttatus Arabidopsis thaliana	Chara braunii mwono Chara braunii polymorpha Macthantia polymorpha Schegnini eli play. Sebgini eli amoellendorffii Sebgini audullata Azola iliuulotaa	Cytreopocous iajuri Chlorella Variabilis Coocomyva subelilisoidea Cyalerpa leritilliera Cylor nutaibilis Cyloro carteri Cyloro Carteri Chloroy Comonas reinhardtii	Cyandidsethyzon merdde Porphyridium purpureum Porphyra umbilicalis Chondrus crisbus Gracilaniopsis chorda Micromonas pusilla	Guillardia theta Goniomonas avonlea Cyanophora paradoxa	Namochioropsis gaditana Cladosipno okarfuranus Educarpus siliudosus Thalassiosira pseudonana Phaeodactylum incornulum Aureococcus anophagefferens	Aplanochytrium kerguelense Aurantiochytrium linfachum Hondaea if irmentalgiana Schizochytrium aggregatum Saprolegna parastiica Albugo labachii stiica Physiothora infactors	Ereyolum minulum Perkinsus marinus Chromera veila Vitrella brassicatormis Ermeria tenella Eroxoplasma gondii Plasmodum l'alciparum	Réticulomyxa filosa Qwytricha trifallax Jefrahymena thermophila Paramecium tetraurelia Symbodnium microadratium	Paylovales sp. CCMP2436 Chrysochromulina tobin Emillania huxleyi Plasmodiophora brassicae Bioelwylelia nalans	Spironema multiciliatum Hemimastix kukwesjijk	Sedis Amanas risiliyi. Sedis Amanas risilikis Trygomoonas ciuzi Bodgo saliam sa Amanasa so, Bas Amanasa so, Bas Phanngomonas kirbyi	Jakoba libera Jakoba bahamiensis Seculamonas sp. Reclinomonas apricana Andaluda godoyi mericana Siygella in Karcefata Siygella moarcefata Leglomonas sayıncun	Kpferlia bialata Glardia lambila Gargodiernonas membranifera Tichomoras vaginalis	

## Rtt106.HG2.0, SUPT16H (0 similar OGs)

Rt106.HG2.0 | SUPT16H

Schistosama mansoni Echnoczocus multitocularis Echnoczocus multitocularis Inquita aratima is Norther must aratima is Norther m	Mnemiopsis leidyi Trichoplax adhaerens Mortayka virulenta Ayrielia aurira Cyfula hemishaerica Cyfula densishaerica Sylophora pisililata Acropora digilileta Varapiasala pisililata Vernatossila vectensis	Chromosphaera perkinsi Chromosphaera perkinsi Chromosphaera perkinsi Speantassima Speantassima Sapasspora owczarzaki Sapingoepa rosella Wolnosgła previcollis Sono najama complicata Sycon najama complicata Sycon najama complicata Sycon parting complication Sycon parting comp	Rozelia alionnycis Cateriaria angluiluee Alionyces macrogynus Alionyces macrogynus Bezellomyces purtaatus Bezellomyces purtaatus Bezellomyces purtaatus Purtaatus Controlocius concratus Controlocius concratus Controlocius concratus Controlocius concratus Controlocius Controlociu	rigarilie una presida Rigilfa ramosa si Pangordosselium fungivorum Abarthamosa casselalini Abarthamosa casselalini Casselforan fascoldaruh Legtenostelium alceum Dictyoselium discoldaruh Pygsula biforma Thecamonas trahens Fonticula alba	Meleora sp. (Strain 249) Geffonella okelly (strain 249) Walawimonas lakoditorima Malawimonas taliomiana Fabomonas trojca Fabomonas smicra Ancyromonas smicra Ancyromonas sorginides	Chaeb armidlym nitens Chaeb arbauni Marchanta polymorpha Marchanta polymorpha Marchanta polymorpha Supessonia pidens Sup	Cyanophora paradoxa Cyanidoschyzon merolae pop hyridum puzueum Nord marini merolae pop hyridum puzueum Nord marini merolae pop hyridum puzueum Nord marini merolae Micromoras pusilia Chiamyodomoras reinhardii Chiamyodomoras reinhardii	Aulancotyrium kerguelense Auranicotyrium infracium Hordase fermentalgiana Schzodryrium agglespatum Schzodryrium agglespatum Schzodryrium agglespatum Schzodryrium agglespatum Schzodrynos infestans Hordodrynos staditana Cadossynon jokarduranus Hordodryns slicubosus Golliardia theta Golliardia theta Golliardia theta Golliardia theta Golliardia theta	Lakoba Ilea Lakoba Lako

#### SPT16.HG1.0, SUPT16H (0 similar OGs)

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2 disconne i maissimi del del construire del constr	Morbakta virulenta Aurelia aurita Gylia hemisphaerica Gylia hemisphaerica Gylia hemisphaerica Gylia hemisphaerica Gylia da Gylia da Gylia da Haria	Amphimedori queenslandica Mnemiopsis leidyi Trichoplax adhaerens	Volahring-bera rüserlis Volansiga brevorooliis Leucosolenia complicata Sycon ciliatum Oscarelia carmela Ephydatia muelleri Lehtwa withenna	Creolimax fragrantssima Sphaeroformá arctitoa Ministeria vibrans Capsaspora owczarzaki	Corallochytium limacisporum Chromosphaera perkinsii Ichthyophonus hoferi	istilago maydisyama Coprinopsis cineren Cyptiococcus neoformans Saccharomyses cerevisiae Liber melanosporum Neurospora criassa	Condidotolis coronatus Coemansia reversatus Coemans	Rozella allomycis Catemana andyillulae Allomyces madrogymus Spizellomyces, pundatus Bartachochyrum dendrobatidis Piromyces \$5E2 Gonapodya broifera	Thecamonas trahens Fonticula alba	Acamhamoeba castellarii Mastigamoeba talamuthi Qasenderia fascicularii Heleosatelium album Teghemostelium discoideum Dictyostelium discoideum Pursula hiforma	Mantamonas plastica Diphylleia rotans Righila ramosa Planoprotostellium fungivorum	Fabomonas tropica Planomonas micra Ancyromonas sigmoides Nutomonas longa	Melevia sp. Gefionella okeliyi (strain 249) Malawimonas jakobiformis Malawimonas californiana	Salvina cucilila Amborella frichpoda Gergrum bicolor Baryppodum distachyon Agullégia coerulea Mimulus guitaus Arabidopsis frailarra	Klebsormölym nitens Chara brauni Marchania polymorpha Sphagrumi fallax Physcomitetia patens Selaginella moellendorffii Azolla filiculoides	Microridas pusina Ostreococcus islam Chorella variabilis Chorella variabilis Chorella variabilis Ulva mutabilis Chiamydomonas reinhardtii	Ovanidioschyzon merolae Porphyridum purpureum Porphyra unphicalis Choridrus crispus ofracilariopsis chorida	Guillardia theta Goniomonas avonlea Cyanophora paradoxa	hividophinora infestans Namochhorosis gadiana Cladosiphon oparturanus Cladosiphon oparturanus Ectocar pus siliculosus Thalassiosira pseudonana Phaeodactylum tricomulum Aurecoccus anophaeefirens	Aplanochyffum kerguelense Aurantiochyffum limacinum Honadaea feirmentaiglana Schizoofyfum aggregatum Sphrodegija Lgajasitida	Chromera wella wo Chromera wella wo Utrella brassica formis Emperja (ene) lla Taxoplasma gondii Plasmodium falciparum	Oxytricha trifellax Tetrabyrnena trempophila Paramocjum tetraurelia Symbodijum minicroadraticum Brevious manutum Baktiosis manutum	Plasmodiophora brassicae Bigelowiella natans Réticulomyxa filosa	Spiroterna mulicularin Hemimastik kukwesjik Pavlovales sp. CCMP2436 Chrysochiomulina tobin Emilagia huxberia tobin	yybanosoma ciuzi Bodo saltans Amoeba sp. BB2 Pharyngomonas kirbyi Naegleria gruberi	Sendra central library Recilimnonas americana Andalucia guodos Sygelia librarcetata Leptimonas sentruliri Leptimonas callicis	Jakopa libera

SPT16.HG1.0 | SUPT16H

#### SSrecog.HG1.1, SSRP1 (1 similar OGs)

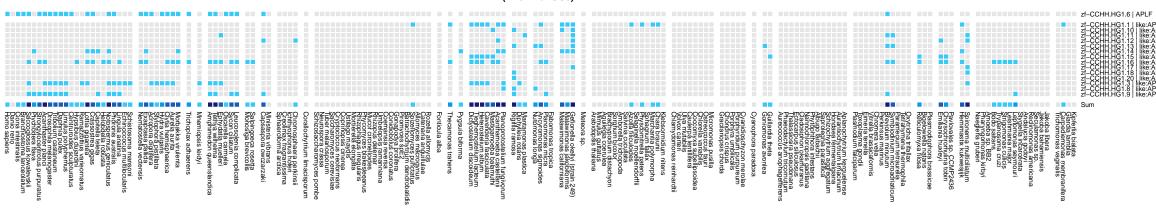
SSecond HG 1.0 | NikesSSRP1

SSECOND HG 1.0 |

#### UBN\_AB.HG1.0, UBN1/UBN2 (0 similar OGs)

UBN\_AB.HG1.0 | UBN1/UBN2

#### zf-CCHH.HG1.6, APLF (14 similar OGs)



## zf-CCHH.HG1.7, CHFR (5 similar OGs)

zf-CCHH.HG1.7 | CHFR

Echibocourus unainoudaris Echibocourus unainoudaris Ingula anatina III. Photonis australis Photonis australis Autosgerimus geniculatus capitelia leiefa sac carise ila leiefa sac carise sostira gigas Catta organite a gifiornatus Catta organite a gifiornatus Limulus polyphenitus Limu	mortopka virulenta Aurelia aurita la Aurelia aurita Aurelia aurita Civita hemisphaerica Hydra vulgasillata Sviophora justillata Acripora digitiera Exapitasia paliliata Exapitasia paliliata Cantinorana aurocconi Cohicinorana	Seucos derila complicata Oscarella carmela Coscarella carmela Ephydatia, nucleici etinya wilheima empirmedon queensandica Mnemioposis leigyi	sphaefoloma arctica Ministeria vibrans Capsaspora owczarzaki Salpingoega rosetia Monostoa brevioniis	Corallochytrium limacisporum Chromosphaera perkinsii chthyophojrus hoferi Cleolimax l'algrantissima	delem delem es bla es con es es con es es con es con es con es con es es es con es e	SOF TEGES	rygsula bilorina Thecamonas trahens Fonticula alba	Planoptocselium fungiyoum Acanthamoeba asselliani Wastigamoeba balamuthi Caverderia fasciudta Hebrostelium album Hebromostelium lacteum Dictyostelium discoideum	Ancyromonas sigmoides Nutomonas longa Mantamonas plastica Diphylleta rotans Rigifila ramosa	Geffonella okellyi (strain 249) Walawimonas idkobitomis Malawimonas californiana Fabomonas tropica Panomonas micra	Sundrient (Includented September 1) Constitution of Constitution (Stachyon Aguilegia coerules Mirnylis gurtauris Azabidopsis thaliana Meteora sp.	Klebsormidum nitens Chara brauni Marchantia polymorpha Sphagnum fallax Sphagnum fallax Sphagnum fallax Sphagnelia modelendorfii Scalphiliculoides Salphina cuculidias	Micromonas pusilia Ostreopocus lauri Chlorella variabilis Cocomyxa subelipsoidea Qualerna lejnillilera Qualerna mattele Olya mattele Chlamydomonas reinhardtii	dios yridi yra drus ario

## Nucleoplasmin.HG1.5, NPM1/NPM2/NPM3 (5 similar OGs)

