

### Supplementary Table 1: Library statistics

	Mapped reads	Mean Coverage	PCR duplicates (%)	Non-conversion(%)*
R. culicivorax	15100281.00	6.30	0.12	0.66
P. sambesii	17029848.00	10.30	0.10	0.71
T. spiralis	7589350.00	15.72	0.17	0.64
T.muris	19491243.00	24.78	0.10	0.61

\*%mC/C unmethylated APC standard

Supplementary Table 2

Gene

nRc.2.0.1.t01079-RA;probable xaa-pro aminopeptidase 3 os=homo sapiens gn=xpnpep3 pe=1 sv=1  
nRc.2.0.1.t03560-RA;---NA---  
nRc.2.0.1.t44210-RA;ligand-gated ion channel 50 os=caenorhabditis elegans gn=lgc-50 pe=2 sv=2  
nRc.2.0.1.t22686-RA;homeobox protein hox-b1a os=danio rerio gn=hoxb1a pe=2 sv=2  
nRc.2.0.1.t16735-RA;somatostatin receptor type 1 os=homo sapiens gn=sstr1 pe=1 sv=1  
nRc.2.0.1.t41535-RA;---NA---  
nRc.2.0.1.t27186-RA;serine protease 27 os=homo sapiens gn=prss27 pe=1 sv=1  
nRc.2.0.1.t46500-RA;replication factor c subunit 1 os=drosophila melanogaster gn=gfn1 pe=1 sv=2  
nRc.2.0.1.t45911-RA;---NA---  
nRc.2.0.1.t28252-RA;n-alpha-acetyltransferase 20 os=xenopus tropicalis gn=naa20 pe=2 sv=1  
nRc.2.0.1.t19193-RA;polymerase delta-interacting protein 2 os=mus musculus gn=poldip2 pe=2 sv=1  
nRc.2.0.1.t02098-RA;---NA---  
nRc.2.0.1.t45638-RA;---NA---  
nRc.2.0.1.t27084-RA;protein tag-256 os=caenorhabditis elegans gn=tag-256 pe=2 sv=1  
nRc.2.0.1.t06626-RA;---NA---  
nRc.2.0.1.t36671-RA;---NA---  
nRc.2.0.1.t26716-RA;---NA---  
nRc.2.0.1.t32382-RA;dehydrogenase reductase sdr family member 13 os=mus musculus gn=dhrs13 pe=1 sv=1  
nRc.2.0.1.t34523-RA;gag-pol polyprotein os=human immunodeficiency virus type 1 group o (isolate ant70) gn=gag-pol pe=3 sv=3  
nRc.2.0.1.t30178-RA;huntingtin os=takifugu rubripes gn=htt pe=3 sv=1  
nRc.2.0.1.t34697-RA;homeobox protein hox-b1 os=homo sapiens gn=hoxb1 pe=1 sv=2  
nRc.2.0.1.t02965-RA;wd repeat-containing protein 82 os=danio rerio gn=wdr82 pe=2 sv=1  
nRc.2.0.1.t25741-RA;muscarinic acetylcholine receptor gar-3 os=caenorhabditis elegans gn=gar-3 pe=1 sv=2  
nRc.2.0.1.t20407-RA;tyrosinase-like protein tyr-3 os=caenorhabditis elegans gn=tyr-3 pe=2 sv=5  
nRc.2.0.1.t14324-RA;pogo transposable element with krab domain os=homo sapiens gn=pogk pe=1 sv=2  
nRc.2.0.1.t31951-RA;ligand-gated ion channel 50 os=caenorhabditis elegans gn=lgc-50 pe=2 sv=2  
nRc.2.0.1.t18153-RA;---NA---  
nRc.2.0.1.t15625-RA;transposon ty3-i gag-pol polyprotein os=saccharomyces cerevisiae;(strain atcc 204508 s288c);gn=ty3b-l;pe=3  
nRc.2.0.1.t46595-RA;phosphorylase b kinase gamma catalytic skeletal muscle isoform os=homo sapiens gn=phkg1 pe=2 sv=3  
nRc.2.0.1.t37063-RA;kappa-type opioid receptor os=cavia porcellus gn=oprk1 pe=2 sv=1  
nRc.2.0.1.t38943-RA;toll-like protein 1 os=xenopus laevis gn=tl1 pe=1 sv=1  
nRc.2.0.1.t28502-RA;---NA---  
nRc.2.0.1.t07697-RA;retrovirus-related pol polyprotein from transposon 412 os=drosophila melanogaster gn=pol pe=4 sv=1  
nRc.2.0.1.t14707-RA;---NA---  
nRc.2.0.1.t20709-RA;---NA---  
nRc.2.0.1.t41025-RA;uncharacterized protein os=caenorhabditis elegans gn= pe=2 sv=1  
nRc.2.0.1.t23446-RA;transposon ty3-i gag-pol polyprotein os=saccharomyces cerevisiae;(strain atcc 204508 s288c);gn=ty3b-l;pe=3  
nRc.2.0.1.t09475-RA;uncharacterized protein os=caenorhabditis elegans gn= pe=2 sv=1  
nRc.2.0.1.t08338-RA;---NA---  
nRc.2.0.1.t24837-RA;---NA---  
nRc.2.0.1.t46402-RA;---NA---  
nRc.2.0.1.t28253-RA;bombesin receptor subtype-3 os=homo sapiens gn=brs3 pe=1 sv=1  
nRc.2.0.1.t34655-RA;zinc metalloproteinase nas-4 os=caenorhabditis elegans gn=nas-4 pe=2 sv=4  
nRc.2.0.1.t14443-RA;carbonyl reductase 1 os=bos taurus gn=cbr1 pe=2 sv=1  
nRc.2.0.1.t21879-RA;pol polyprotein os=feline endogenous virus ece1 gn=pol pe=3 sv=1

Supplementary Table 2

nRc.2.0.1.t17239-RA;protein-tyrosine sulfotransferase 2 os=bos taurus gn=tpst2 pe=2 sv=1  
nRc.2.0.1.t02364-RA;potassium-transporting atpase alpha chain 2 os=cavia porcellus gn=atp12a pe=2 sv=1  
nRc.2.0.1.t31882-RA;death-associated protein kinase 1 os=homo sapiens gn=dapk1 pe=1 sv=6  
nRc.2.0.1.t32157-RA;retinol dehydrogenase 11 os=mus musculus gn=rdh11 pe=2 sv=2  
nRc.2.0.1.t48314-RA;duoxa-like protein os=caenorhabditis elegans gn= pe=2 sv=2

Supplementary Table 3

number	Description
1	GO:0000003; reproduction; biological_process
4	GO:0000166; nucleotide binding; molecular_function
1	GO:0002119; nematode larval development; biological_process
7	GO:0003676; nucleic acid binding; molecular_function
1	GO:0003677; DNA binding; molecular_function
1	GO:0003689; DNA clamp loader activity; molecular_function
2	GO:0003700; transcription factor activity, sequence-specific DNA binding; molecular_function
1	GO:0003824; catalytic activity; molecular_function
1	GO:0004177; aminopeptidase activity; molecular_function
2	GO:0004222; metalloendopeptidase activity; molecular_function
1	GO:0004252; serine-type endopeptidase activity; molecular_function
1	GO:0004596; peptide alpha-N-acetyltransferase activity; molecular_function
2	GO:0004672; protein kinase activity; molecular_function
1	GO:0004930; G-protein coupled receptor activity; molecular_function
2	GO:0005230; extracellular ligand-gated ion channel activity; molecular_function
4	GO:0005488; binding; molecular_function
2	GO:0005515; protein binding; molecular_function
1	GO:0005516; calmodulin binding; molecular_function
3	GO:0005524; ATP binding; molecular_function
7	GO:0005622; intracellular; cellular_component
2	GO:0005634; nucleus; cellular_component
1	GO:0005663; DNA replication factor C complex; cellular_component
2	GO:0005667; transcription factor complex; cellular_component
3	GO:0005737; cytoplasm; cellular_component
1	GO:0005739; mitochondrion; cellular_component
1	GO:0005789; endoplasmic reticulum membrane; cellular_component
1	GO:0005794; Golgi apparatus; cellular_component
1	GO:0005829; cytosol; cellular_component
1	GO:0005886; plasma membrane; cellular_component
1	GO:0005980; glycogen catabolic process; biological_process
1	GO:0006006; glucose metabolic process; biological_process
6	GO:0006139; nucleobase-containing compound metabolic process; biological_process
1	GO:0006260; DNA replication; biological_process
2	GO:0006468; protein phosphorylation; biological_process
4	GO:0006508; proteolysis; biological_process
2	GO:0006811; ion transport; biological_process
1	GO:0006812; cation transport; biological_process
1	GO:0007165; signal transduction; biological_process
4	GO:0007186; G-protein coupled receptor signaling pathway; biological_process
2	GO:0008152; metabolic process; biological_process
1	GO:0008234; cysteine-type peptidase activity; molecular_function
2	GO:0008270; zinc ion binding; molecular_function
6	GO:0008408; 3'-5' exonuclease activity; molecular_function
1	GO:0009792; embryo development ending in birth or egg hatching; biological_process
1	GO:0009952; anterior/posterior pattern specification; biological_process

Supplementary Table 3

1 GO:0015031; protein transport; biological\_process  
7 GO:0015074; DNA integration; biological\_process  
1 GO:0015629; actin cytoskeleton; cellular\_component  
3 GO:0016020; membrane; cellular\_component  
7 GO:0016021; integral component of membrane; cellular\_component  
1 GO:0016491; oxidoreductase activity; molecular\_function  
1 GO:0016616; oxidoreductase, CH-OH group of donors, NAD or NADP acceptor; molecular\_function  
1 GO:0016740; transferase activity; molecular\_function  
4 GO:0016787; hydrolase activity; molecular\_function  
1 GO:0018149; peptide cross-linking; biological\_process  
1 GO:0019904; protein domain specific binding; molecular\_function  
1 GO:0021570; rhombomere 4 development; biological\_process  
1 GO:0021571; rhombomere 5 development; biological\_process  
1 GO:0021612; facial nerve structural organization; biological\_process  
1 GO:0021754; facial nucleus development; biological\_process  
1 GO:0022857; transmembrane transporter activity; molecular\_function  
1 GO:0030145; manganese ion binding; molecular\_function  
1 GO:0040007; growth; biological\_process  
1 GO:0042575; DNA polymerase complex; cellular\_component  
1 GO:0042967; acyl-carrier-protein biosynthetic process; biological\_process  
2 GO:0043565; sequence-specific DNA binding; molecular\_function  
1 GO:0045944; positive regulation of transcription from RNA polymerase II promoter; biological\_process  
1 GO:0046872; metal ion binding; molecular\_function  
1 GO:0046983; protein dimerization activity; molecular\_function  
1 GO:0048646; anatomical structure formation involved in morphogenesis; biological\_process  
1 GO:0048704; embryonic skeletal system morphogenesis; biological\_process  
1 GO:0070584; mitochondrion morphogenesis; biological\_process

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Supplementary Table 4

GO term	N obs	N exp	FT pvalue	FT odds	FT q (BH)
GO:0006281	639	18	1.45E-05	3.39	1.23E-02
GO:0090305	331	15	2.49E-07	5.54	2.16E-04
GO:0006302	197	14	2.31E-09	8.94	2.02E-06
GO:0070531	40	10	1.34E-12	38.89	1.18E-09
GO:0010212	78	9	2.53E-08	15.21	2.21E-05
GO:0071897	119	9	9.82E-07	9.54	8.42E-04
GO:0005694	145	8	3.93E-05	6.81	3.31E-02
GO:0006303	72	7	2.96E-06	12.55	2.53E-03
GO:1903874	8	7	2.58E-14	836.47	2.28E-11
GO:0003887	64	6	1.88E-05	12.05	1.59E-02
GO:0009008	10	6	7.80E-11	174.61	6.84E-08
GO:0010039	26	6	7.61E-08	34.96	6.63E-05
GO:0015093	8	6	1.06E-11	348.61	9.27E-09
GO:0031572	32	6	2.87E-07	26.87	2.49E-04
GO:0045739	52	6	5.57E-06	15.20	4.74E-03
GO:0005720	25	5	2.07E-06	29.13	1.77E-03
GO:0006306	30	5	5.36E-06	23.29	4.57E-03
GO:0006307	27	5	3.10E-06	26.46	2.65E-03

Supplemental Table 5

Protein (uniprot id)	pval DNMT1	pval DNMT3
sp P29372 3MG_HUMAN	7.18E-09	4.31E-07
sp Q9Y312 AAR2_HUMAN	3.43E-20	4.16E-02
sp Q96113 ABHD8_HUMAN	1.11E-09	4.60E-05
sp Q6UXC1 AEGP_HUMAN	5.90E-10	4.04E-08
sp Q6NS38 ALKB2_HUMAN	3.25E-07	3.15E-05
sp Q6AI12 ANR40_HUMAN	1.51E-08	2.99E-07
sp A1IGU5 ARH37_HUMAN	2.41E-08	8.00E-06
sp Q9NR81 ARHG3_HUMAN	6.40E-10	5.24E-09
sp Q7Z628 ARHG8_HUMAN	6.40E-10	5.24E-09
sp P15336 ATF2_HUMAN	2.64E-13	4.04E-08
sp P17544 ATF7_HUMAN	2.68E-11	2.99E-07
sp Q99933 BAG1_HUMAN	1.28E-07	7.58E-05
sp Q9NQY0 BIN3_HUMAN	1.19E-09	1.71E-05
sp P38398 BRCA1_HUMAN	1.28E-07	1.31E-03
sp P46736 BRCC3_HUMAN	1.12E-07	1.05E-11
sp Q14201 BTG3_HUMAN	1.11E-09	1.71E-06
sp Q9NY30 BTG4_HUMAN	2.29E-07	1.71E-06
sp Q2TBE0 C19L2_HUMAN	3.90E-20	4.76E-02
sp O75828 CBR3_HUMAN	5.33E-07	2.20E-09
sp Q96GN5 CDA7L_HUMAN	1.84E-07	1.11E-04
sp Q9BWT1 CDCA7_HUMAN	2.23E-08	5.99E-05
sp Q8N960 CE120_HUMAN	2.41E-08	8.00E-06
sp Q5TB80 CE162_HUMAN	5.79E-07	1.61E-04
sp O15078 CE290_HUMAN	2.41E-08	1.43E-03
sp A5D8W1 CFA69_HUMAN	2.81E-08	4.27E-06
sp Q5TON1 CFA70_HUMAN	3.25E-07	3.15E-05
sp Q9BRQ4 CK070_HUMAN	1.51E-08	1.18E-05
sp Q9H078 CLPB_HUMAN	2.71E-08	6.76E-11
sp Q8IY22 CMIP_HUMAN	1.51E-08	2.99E-07
sp Q96F85 CNRP1_HUMAN	1.28E-07	1.31E-03
sp Q9UBI1 COMD3_HUMAN	2.77E-07	1.86E-04
sp Q9NX08 COMD8_HUMAN	1.28E-07	7.58E-05
sp Q68DL7 CR063_HUMAN	1.83E-07	5.04E-05
sp Q14999 CUL7_HUMAN	2.23E-08	5.99E-05
sp Q96SD1 DCR1C_HUMAN	3.86E-07	6.69E-07
sp Q5TB30 DEP1A_HUMAN	2.77E-07	1.86E-04
sp Q8WUY9 DEP1B_HUMAN	2.77E-07	1.86E-04
sp O14521 DHSD_HUMAN	3.56E-07	2.78E-03
sp Q9UBC3 DNM3B_HUMAN	0.00E+00	2.99E-07
sp Q9UJW3 DNM3L_HUMAN	1.30E-15	4.27E-06
sp Q6XZF7 DNMBP_HUMAN	1.96E-08	2.13E-04
sp P26358 DNMT1_HUMAN	2.99E-07	1.00E+00
sp P06746 DPOLB_HUMAN	1.96E-08	3.18E-10
sp Q9UGP5 DPOLL_HUMAN	1.06E-10	6.54E-10
sp Q9NP87 DPOLM_HUMAN	7.18E-09	4.31E-07

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sp Q6XUX3 DUSTY_HUMAN	3.25E-07	4.99E-07
sp Q0PNE2 ELP6_HUMAN	2.77E-07	2.09E-03
sp Q96AY2 EME1_HUMAN	2.54E-09	1.54E-05
sp Q8N8Q3 ENDOV_HUMAN	5.22E-07	2.07E-03
sp Q96EK7 F120B_HUMAN	2.29E-07	1.71E-06
sp Q8WW52 F151A_HUMAN	4.87E-20	3.68E-02
sp Q9GZU8 F192A_HUMAN	2.54E-20	4.74E-02
sp Q96BQ1 FAM3D_HUMAN	1.79E-20	4.46E-02
sp O94952 FBX21_HUMAN	3.25E-07	3.15E-05
sp Q8TB52 FBX30_HUMAN	4.87E-07	1.49E-03
sp Q9UH90 FBX40_HUMAN	3.25E-07	3.29E-03
sp Q5MNV8 FBX47_HUMAN	2.77E-07	6.55E-06
sp Q9BRP7 FDXA1_HUMAN	3.25E-07	7.24E-09
sp Q9UHY8 FEZ2_HUMAN	6.71E-20	1.43E-02
sp Q6ZNL6 FGD5_HUMAN	2.71E-08	4.57E-04
sp Q6MZW2 FSTL4_HUMAN	2.20E-10	5.66E-08
sp Q8N475 FSTL5_HUMAN	2.20E-10	5.66E-08
sp O95954 FTCD_HUMAN	3.43E-08	3.62E-05
sp Q96A11 G3ST3_HUMAN	5.22E-07	4.91E-07
sp Q2TAP0 GOG7B_HUMAN	2.22E-20	4.92E-02
sp Q86X24 HORM1_HUMAN	4.51E-09	4.70E-03
sp Q8N7B1 HORM2_HUMAN	2.23E-08	5.92E-03
sp O43301 HS12A_HUMAN	2.81E-08	4.27E-06
sp Q96MM6 HS12B_HUMAN	2.81E-08	4.27E-06
sp Q16270 IBP7_HUMAN	2.48E-13	1.71E-05
sp Q8WX77 IBPL1_HUMAN	1.28E-07	1.31E-03
sp Q53TQ3 IN80D_HUMAN	2.81E-08	1.07E-04
sp Q969R8 ITFG2_HUMAN	5.90E-10	5.70E-05
sp Q13572 ITPK1_HUMAN	5.33E-07	3.13E-12
sp Q7Z7F0 K0907_HUMAN	6.32E-07	2.52E-04
sp Q9P260 K1468_HUMAN	5.07E-07	2.73E-10
sp Q96I82 KAZD1_HUMAN	3.66E-11	4.27E-06
sp Q9P2K6 KLH42_HUMAN	2.23E-08	8.62E-04
sp Q9Y664 KPTN_HUMAN	5.48E-13	3.95E-06
sp Q9UHB6 LIMA1_HUMAN	2.77E-07	1.86E-04
sp Q9BT23 LIMD2_HUMAN	1.11E-09	2.11E-08
sp Q96E66 LRC51_HUMAN	1.28E-07	2.51E-06
sp Q9HCI5 MAGE1_HUMAN	2.62E-07	1.58E-03
sp Q9HAY2 MAGF1_HUMAN	5.32E-13	3.15E-05
sp Q9UNF1 MAGD2_HUMAN	8.27E-07	8.69E-03
sp Q9UJ55 MAGL2_HUMAN	4.47E-07	2.58E-05
sp Q9NZL9 MAT2B_HUMAN	2.77E-07	2.09E-03
sp Q14676 MDC1_HUMAN	2.99E-07	2.00E-08
sp Q9H8H3 MET7A_HUMAN	2.23E-08	5.99E-05
sp Q86V88 MGDP1_HUMAN	3.27E-09	3.43E-05
sp Q6ZRQ5 MMS22_HUMAN	3.25E-07	3.29E-03

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sp P98088 MUC5A_HUMAN	3.84E-20	3.20E-02
sp P50539 MXI1_HUMAN	3.25E-07	7.24E-09
sp Q53F19 NCBP3_HUMAN	6.18E-07	2.26E-02
sp Q14934 NFAC4_HUMAN	0.00E+00	3.86E-02
sp Q6KC79 NIPBL_HUMAN	2.50E-20	4.16E-02
sp O15226 NKRF_HUMAN	2.29E-07	1.71E-06
sp Q9NP64 NO40_HUMAN	8.36E-08	3.55E-05
sp Q96MY1 NOL4L_HUMAN	2.97E-20	3.51E-02
sp P49281 NRAM2_HUMAN	5.71E-20	4.69E-02
sp Q9BRQ3 NUD22_HUMAN	6.34E-07	3.37E-04
sp Q6N063 OGFD2_HUMAN	1.83E-07	9.72E-05
sp Q96E52 OMA1_HUMAN	1.11E-09	1.71E-06
sp Q6GTS8 P20D1_HUMAN	2.81E-08	1.07E-04
sp Q8IVL6 P3H3_HUMAN	2.41E-08	8.00E-06
sp Q9UKK3 PARP4_HUMAN	1.28E-07	2.51E-06
sp Q9UHG3 PCYOX_HUMAN	1.12E-11	2.11E-04
sp Q8NBM8 PCYXL_HUMAN	1.12E-11	2.11E-04
sp Q9NTI5 PDS5B_HUMAN	2.50E-20	2.02E-02
sp Q504Y2 PKDCC_HUMAN	2.35E-08	6.39E-03
sp Q9NS91 RAD18_HUMAN	1.30E-15	4.27E-06
sp P78332 RBM6_HUMAN	1.28E-07	2.51E-06
sp Q9NWF9 RN216_HUMAN	2.41E-08	9.00E-07
sp Q5VYX0 RNLS_HUMAN	2.77E-07	1.86E-04
sp Q9BU20 RSG1_HUMAN	3.25E-07	3.15E-05
sp Q86VV8 RTTN_HUMAN	2.41E-08	8.00E-06
sp P0CK97 S35E2_HUMAN	1.28E-07	2.51E-06
sp Q7Z769 S35E3_HUMAN	2.23E-08	5.99E-05
sp A6NNN8 S38A8_HUMAN	1.85E-15	2.99E-07
sp Q6UVJ0 SAS6_HUMAN	1.28E-07	4.04E-08
sp P13866 SC5A1_HUMAN	7.18E-09	1.45E-05
sp P31639 SC5A2_HUMAN	3.25E-07	3.15E-05
sp P53794 SC5A3_HUMAN	3.25E-07	3.15E-05
sp Q8WU76 SCFD2_HUMAN	7.55E-07	3.98E-09
sp Q8NE22 SETD9_HUMAN	2.81E-08	2.78E-03
sp Q16533 SNPC1_HUMAN	5.22E-07	9.28E-06
sp Q5MJ70 SPDYA_HUMAN	7.67E-07	2.76E-04
sp Q8WWL2 SPIR2_HUMAN	2.62E-20	4.02E-02
sp P43307 SSRA_HUMAN	2.50E-20	4.16E-02
sp P49842 STK19_HUMAN	3.43E-08	1.08E-03
sp Q96EM0 T3HPD_HUMAN	4.56E-07	1.58E-04
sp Q2M2D7 TBC28_HUMAN	7.55E-07	4.31E-07
sp B5MCY1 TDR15_HUMAN	5.36E-10	1.86E-04
sp P04053 TDT_HUMAN	1.28E-07	2.51E-06
sp Q9H6L2 TM231_HUMAN	1.96E-08	6.09E-05
sp Q9ULQ1 TPC1_HUMAN	2.96E-08	5.67E-16
sp Q9NSU2 TREX1_HUMAN	6.43E-20	8.71E-03

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sp Q12816 TROP_HUMAN	4.39E-08	1.45E-04
sp O14562 UBFD1_HUMAN	8.52E-07	7.52E-12
sp Q96T88 UHRF1_HUMAN	1.12E-07	0.00E+00
sp Q96PU4 UHRF2_HUMAN	1.12E-07	0.00E+00
sp C4AMC7 WASH3_HUMAN	2.48E-20	2.64E-02
sp O00401 WASL_HUMAN	2.57E-20	4.77E-02
sp Q96KV7 WDR90_HUMAN	3.25E-07	4.52E-04
sp Q8TEU8 WFKN2_HUMAN	2.77E-07	2.09E-03
sp Q9P2S5 WRP73_HUMAN	3.25E-07	3.15E-05
sp P49750 YLPM1_HUMAN	0.00E+00	4.44E-02
sp P59817 Z280A_HUMAN	1.28E-07	1.31E-03

Supplementary Table 6

	ALKB2/ALKB3	DNM3A/DNMT3B	DNMT1
<i>Amphimedon queenslandica</i>	1	1	1
<i>Trichoplax adhaerens</i>	0	0	0
<i>Mnemiopsis leidyi</i>	1	1	1
<i>Nematostella vectensis</i>	1	1	1
<i>Lottia gigantea</i>	1	1	1
<i>Crassostrea gigas</i>	1	1	1
<i>Capitella teleta</i>	1	1	1
<i>Helobdella robusta</i>	1	1	1
<i>Pediculus humanus</i>	0	0	1
<i>Acyrtosiphon pisum</i>	1	1	1
<i>Rhodnius prolixus</i>	1	0	1
<i>Zootermopsis nevadensis</i>	1	1	0
<i>Nasonia vitripennis</i>	0	1	1
<i>Solenopsis invicta</i>	0	1	1
<i>Atta cephalotes</i>	0	1	1
<i>Apis mellifera</i>	0	1	1
<i>Culex quinquefasciatus</i>	0	0	0
<i>Aedes aegypti</i>	0	0	0
<i>Anopheles darlingi</i>	0	0	0
<i>Anopheles gambiae</i>	0	0	0
<i>Drosophila willistoni</i>	0	0	0
<i>Drosophila pseudoobscura</i>	0	0	0
<i>Drosophila persimilis</i>	0	0	0
<i>Drosophila ananassae</i>	0	0	0
<i>Drosophila erecta</i>	0	0	0
<i>Drosophila melanogaster</i>	0	0	0
<i>Drosophila sechellia</i>	0	0	0
<i>Drosophila simulans</i>	0	0	0
<i>Drosophila yakuba</i>	0	0	0
<i>Drosophila grimshawi</i>	0	0	0
<i>Drosophila mojavensis</i>	0	0	0
<i>Drosophila virilis</i>	0	0	0
<i>Megaselia scalaris</i>	0	0	0
<i>Tribolium castaneum</i>	1	0	1
<i>Dendroctonus ponderosae</i>	0	0	0
<i>Melitaea cinxia</i>	0	0	1
<i>Heliconius melpomene</i>	0	0	1
<i>Danaus plexippus</i>	1	0	1
<i>Bombyx mori</i>	0	0	1
<i>Daphnia pulex</i>	0	1	1

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<i>Paryhale hawaiiensis</i>	1	1	1
<i>Strigamia maritima</i>	1	1	1
<i>Ixodes scapularis</i>	0	0	1
<i>Tetranychus urticae</i>	0	1	1
<i>Hypsibium dujardini</i>	0	0	0
<i>Panagordius varius</i>	1	1	1
<i>Romanomermis culicivorax</i>	1	1	1
<i>Trichinella spiralis</i>	1	1	0
<i>Plectus sambesii</i>	1	0	1
<i>Enoplus brevis</i>	0	0	0
<i>Brugia malayi</i>	0	0	0
<i>Loa loa</i>	0	0	0
<i>Onchocerca volvulus</i>	0	0	0
<i>Caenorhabditis brenneri</i>	0	0	0
<i>Caenorhabditis briggsae</i>	0	0	0
<i>Caenorhabditis elegans</i>	0	0	0
<i>Caenorhabditis japonica</i>	0	0	0
<i>Caenorhabditis remanei</i>	0	0	0
<i>Pristionchus pacificus</i>	0	0	0
<i>Schistosoma mansoni</i>	0	0	0
<i>Strongylocentrotus purpuratus</i>	1	1	1

source

Ensembl

[www.nematodes.org](http://www.nematodes.org)

NCBI

Supplementary Table 7

Strain name	ALKB2/ALKB3	DNMT3A/DNMT3B	DNMT1
<i>Acanthamoeba castellanii</i> str. Neff	1	1	1
<i>Albugo candida</i>	0	0	0
<i>Albugo laibachii</i>	0	0	0
<i>Angomonas deanei</i>	0	0	0
<i>Aphanomyces astaci</i>	0	0	0
<i>Aphanomyces invadans</i>	0	0	0
<i>Aureococcus anophagefferens</i>	0	0	0
<i>Babesia bigemina</i>	0	0	0
<i>Babesia bovis</i>	0	0	0
<i>Babesia microti</i> strain RI	0	0	0
<i>Bigelowiella natans</i>	1	0	0
<i>Bigelowiella natans</i> (GCA_000002455)	0	0	0
<i>Blastocystis hominis</i>	0	0	0
<i>Bodo saltans</i>	0	0	0
<i>Capsaspora owczarzaki</i> ATCC 30864	1	0	0
<i>Chroomonas mesostigmatica</i> CCMP1168	0	0	0
<i>Cryptomonas paramecium</i>	0	0	0
<i>Cryptosporidium muris</i> RN66	0	0	0
<i>Cryptosporidium parvum</i>	0	0	0
<i>Cryptosporidium parvum</i> Iowa II	0	0	0
<i>Dictyostelium discoideum</i>	0	0	0
<i>Dictyostelium fasciculatum</i>	1	0	0
<i>Dictyostelium lacteum</i>	0	0	0
<i>Dictyostelium purpureum</i>	0	0	0
<i>Eimeria acervulina</i>	0	0	0
<i>Eimeria brunetti</i>	0	0	0
<i>Eimeria maxima</i>	0	0	0
<i>Eimeria mitis</i>	0	0	0
<i>Eimeria necatrix</i>	0	0	0
<i>Eimeria praecox</i>	0	0	0
<i>Eimeria tenella</i>	0	0	0
<i>Eimeria tenella</i> (GCA_000499545)	0	0	0
<i>Emiliana huxleyi</i>	1	0	1
<i>Entamoeba dispar</i> SAW760	0	0	0
<i>Entamoeba histolytica</i>	0	0	0
<i>Entamoeba histolytica</i> HM-1:IMSS-A	0	0	0
<i>Entamoeba histolytica</i> HM-1:IMSS-B	0	0	0
<i>Entamoeba histolytica</i> HM-3:IMSS	0	0	0
<i>Entamoeba histolytica</i> KU27	0	0	0
<i>Entamoeba invadens</i> IP1	0	0	0
<i>Entamoeba nuttalli</i> P19	0	0	0
<i>Fonticula alba</i>	0	0	0
<i>Giardia intestinalis</i>	0	0	0

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<i>Giardia intestinalis</i> (GCA_000498715)	0	0	0
<i>Giardia intestinalis</i> ATCC 50581	0	0	0
<i>Giardia intestinalis</i> assemblage B	0	0	0
<i>Giardia lamblia</i>	0	0	0
<i>Giardia lamblia</i> P15	0	0	0
<i>Gregarina niphandrodes</i>	0	0	0
<i>Guillardia theta</i> CCMP2712	0	0	0
<i>Hammondia hammondi</i>	0	0	0
<i>Hyaloperonospora arabidopsidis</i>	0	0	0
<i>Ichthyophthirius multifiliis</i>	0	0	0
<i>Leishmania braziliensis</i> MHOM/BR/75/M2904	0	0	0
<i>Leishmania donovani</i> BPK282A1	0	0	0
<i>Leishmania infantum</i> JPCM5	0	0	0
<i>Leishmania major</i>	0	0	0
<i>Leishmania mexicana</i> MHOM/GT/2001/U1103	0	0	0
<i>Leptomonas pyrrocoris</i>	0	0	0
<i>Leptomonas seymouri</i>	0	0	0
<i>Lotharella oceanica</i>	0	0	0
<i>Monosiga brevicollis</i> MX1	1	0	0
<i>Naegleria gruberi</i>	1	0	1
<i>Nannochloropsis gaditana</i>	0	0	0
<i>Nannochloropsis gaditana</i> CCMP526	0	0	0
<i>Oxytricha trifallax</i>	0	0	0
<i>Oxytricha trifallax</i> (GCA_000295675)	0	0	0
<i>Paramecium tetraurelia</i>	0	0	0
<i>Paulinella chromatophora</i>	0	0	0
<i>Perkinsela</i> sp. CCAP 1560/4	0	0	0
<i>Perkinsus marinus</i> ATCC 50983	1	0	0
<i>Phaeodactylum tricornutum</i>	1	0	0
<i>Phytomonas</i> sp. isolate EM1	0	0	0
<i>Phytomonas</i> sp. isolate Hart1	0	0	0
<i>Phytophthora infestans</i>	1	0	0
<i>Phytophthora kernoviae</i>	0	0	0
<i>Phytophthora lateralis</i>	0	0	0
<i>Phytophthora nicotianae</i>	0	0	0
<i>Phytophthora nicotianae</i> (GCA_001482985)	0	0	0
<i>Phytophthora parasitica</i>	1	0	0
<i>Phytophthora parasitica</i> (GCA_000509465)	1	0	0
<i>Phytophthora parasitica</i> (GCA_000509485)	1	0	0
<i>Phytophthora parasitica</i> (GCA_000509505)	1	0	0
<i>Phytophthora parasitica</i> (GCA_000509525)	1	0	0
<i>Phytophthora parasitica</i> CJ01A1	1	0	0
<i>Phytophthora parasitica</i> INRA-310	1	0	0
<i>Phytophthora parasitica</i> P10297	1	0	0

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Phytophthora parasitica P1976	1	0	0
Phytophthora ramorum	0	0	0
Phytophthora sojae	0	0	0
Plasmodiophora brassicae	1	0	0
Plasmodium berghei	0	0	0
Plasmodium berghei (GCA_000005395)	0	0	0
Plasmodium berghei (GCA_900044335)	0	0	0
Plasmodium chabaudi	0	0	0
Plasmodium chabaudi chabaudi	0	0	0
Plasmodium cynomolgi strain B	0	0	0
Plasmodium falciparum	0	0	0
Plasmodium falciparum 7G8	0	0	0
Plasmodium falciparum CAMP/Malaysia	0	0	0
Plasmodium falciparum Dd2	0	0	0
Plasmodium falciparum FCH/4	0	0	0
Plasmodium falciparum HB3	0	0	0
Plasmodium falciparum IGH-CR14	0	0	0
Plasmodium falciparum MaliPS096_E11	0	0	0
Plasmodium falciparum NF135/5.C10	0	0	0
Plasmodium falciparum NF54	0	0	0
Plasmodium falciparum Palo Alto/Uganda	0	0	0
Plasmodium falciparum RAJ116	0	0	0
Plasmodium falciparum Santa Lucia	0	0	0
Plasmodium falciparum Tanzania (2000708)	0	0	0
Plasmodium falciparum UGT5.1	0	0	0
Plasmodium falciparum Vietnam Oak-Knoll (FVO)	0	0	0
Plasmodium fragile	0	0	0
Plasmodium gaboni	0	0	0
Plasmodium inui San Antonio 1	0	0	0
Plasmodium knowlesi	0	0	0
Plasmodium reichenowi	0	0	0
Plasmodium reichenowi (GCA_001601855)	0	0	0
Plasmodium vinckei petteri	0	0	0
Plasmodium vinckei vinckei	0	0	0
Plasmodium vivax	0	0	0
Plasmodium vivax Brazil I	0	0	0
Plasmodium vivax India VII	0	0	0
Plasmodium vivax Mauritania I	0	0	0
Plasmodium vivax North Korean	0	0	0
Plasmodium yoelii	0	0	0
Plasmodium yoelii (GCA_900002395)	0	0	0
Plasmodium yoelii 17X	0	0	0
Plasmodium yoelii yoelii	0	0	0
Plasmopara halstedii	1	0	0

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<i>Polysphondylium pallidum</i> PN500	1	0	0
<i>Pseudocohnilembus persalinus</i>	1	0	0
<i>Pythium aphanidermatum</i>	1	0	0
<i>Pythium arrhenomanes</i>	0	0	0
<i>Pythium irregulare</i>	1	0	0
<i>Pythium iwayamai</i>	1	0	0
<i>Pythium ultimum</i>	1	0	0
<i>Pythium vexans</i>	1	0	0
<i>Reticulomyxa filosa</i>	1	0	0
<i>Salpingoeca rosetta</i>	1	0	0
<i>Saprolegnia diclina</i> VS20	0	0	0
<i>Saprolegnia parasitica</i> CBS 223.65	0	0	0
<i>Sphaeroforma arctica</i> JP610	0	0	0
<i>Spironucleus salmonicida</i>	0	0	0
<i>Strigomonas culicis</i>	0	0	0
<i>Stylonychia lemnae</i>	0	0	0
<i>Tetrahymena thermophila</i>	0	0	0
<i>Thalassiosira oceanica</i>	1	0	0
<i>Thalassiosira oceanica</i> CCMP1005	0	0	0
<i>Thalassiosira pseudonana</i>	1	0	0
<i>Thecamonas trahens</i> ATCC 50062	0	0	0
<i>Theileria annulata</i>	0	0	0
<i>Theileria equi</i> strain WA	0	0	0
<i>Theileria orientalis</i> strain Shintoku	0	0	0
<i>Theileria parva</i>	0	0	0
<i>Toxoplasma gondii</i>	0	0	0
<i>Toxoplasma gondii</i> ARI	0	0	0
<i>Toxoplasma gondii</i> FOU	0	0	0
<i>Toxoplasma gondii</i> GAB2-2007-GAL-DOM2	0	0	0
<i>Toxoplasma gondii</i> GT1	0	0	0
<i>Toxoplasma gondii</i> MAS	0	0	0
<i>Toxoplasma gondii</i> RUB	0	0	0
<i>Toxoplasma gondii</i> TgCatPRC2	0	0	0
<i>Toxoplasma gondii</i> VAND	0	0	0
<i>Toxoplasma gondii</i> VEG	0	0	0
<i>Toxoplasma gondii</i> p89	0	0	0
<i>Trichomonas vaginalis</i> G3	0	0	0
<i>Trypanosoma brucei</i>	0	0	0
<i>Trypanosoma cruzi</i>	0	0	0
<i>Trypanosoma cruzi</i> (GCA_000188675)	0	0	0
<i>Trypanosoma cruzi</i> Dm28c	0	0	0
<i>Trypanosoma cruzi</i> marinkellei	0	0	0
<i>Trypanosoma rangeli</i> SC58	0	0	0
<i>Vitrella brassicaformis</i> CCMP3155	1	0	1

Supplementary Table 8

Strain name	ALKB2/ALKB3	DNMT1
<i>Eremothecium cymbalariae</i> dbvpg 7215	1	1
<i>Coprinopsis cinerea</i> okayama7 130	1	1
<i>Allomyces macrogynus</i> atcc 38327	0	1
<i>Baudoinia panamericana</i> uamh 10762	1	1
<i>Spizellomyces punctatus</i> daom br117	1	0
<i>Gonapodya prolifera</i> jel478	1	1
<i>Rozella allomycis</i> csf55	0	0
<i>Acidomyces richmondensis</i> bfw	1	0
<i>Diplodia seriata</i>	1	0
<i>Macrophomina phaseolina</i> ms6	1	1
<i>Neofusicoccum parvum</i> ucrnp2	1	0
<i>Verruconis gallopava</i>	1	1
<i>Pseudocercospora fijiensis</i> cirad86	1	1
<i>Dothistroma septosporum</i>	1	1
<i>Mycosphaerella eumusae</i>	1	0
<i>Pseudocercospora musae</i>	1	1
<i>Sphaerulina musiva</i> so2202	1	1
<i>Zymoseptoria tritici</i>	1	0
<i>Zymoseptoria brevis</i>	1	1
<i>Aureobasidium namibiae</i> cbs 147 97	1	1
<i>Aureobasidium pullulans</i> exf 150	1	1
<i>Aureobasidium subglaciale</i> exf 2481	1	1
<i>Batrachochytrium dendrobatidis</i> jam81	1	1
<i>Leptosphaeria maculans</i>	1	1
<i>Phaeosphaeria nodorum</i>	1	1
<i>Bipolaris maydis</i> c5	1	1
<i>Bipolaris maydis</i> atcc 48331	1	1
<i>Bipolaris oryzae</i> atcc 44560	1	1
<i>Bipolaris sorokiniana</i> nd90pr	1	1
<i>Bipolaris victoriae</i> fi3	1	1
<i>Bipolaris zeicola</i> 26 r 13	1	1
<i>Pyrenophora teres</i>	1	1
<i>Pyrenophora triticirepentis</i>	1	1
<i>Setosphaeria turcica</i> et28a	1	1
<i>Stemphylium lycopersici</i>	1	1
<i>Cyphellophora europaea</i> cbs 101466	1	1
<i>Capronia coronata</i> cbs 617 96	1	1
<i>Capronia epimyces</i> cbs 606 96	1	1
<i>Capronia semi immersa</i>	1	1
<i>Cladophialophora bantiana</i> cbs 173 52	1	1
<i>Cladophialophora carrionii</i> cbs 160 54	1	1
<i>Cladophialophora psammophila</i> cbs 110553	1	1
<i>Cladophialophora yegresii</i> cbs 114405	1	1

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<i>Cladophialophora immunda</i>	1	1
<i>Coniosporium apollinis</i> cbs 100218	1	1
<i>Exophiala aquamarina</i> cbs 119918	1	1
<i>Exophiala dermatitidis</i> nih ut8656	1	1
<i>Exophiala mesophila</i>	1	0
<i>Exophiala oligosperma</i>	1	1
<i>Exophiala sideris</i>	1	1
<i>Exophiala spinifera</i>	1	1
<i>Exophiala xenobiotica</i>	1	1
<i>Fonsecaea multimorphosa</i> cbs 102226	1	1
<i>Fonsecaea pedrosoi</i> cbs 271 37	1	1
<i>Phialophora attae</i>	1	1
<i>Rhinocladiella mackenziei</i> cbs 650 93	1	1
<i>Phaeomoniella chlamydospora</i>	1	0
<i>Endocarpon pusillum</i> z07020	1	1
<i>Aspergillus clavatus</i>	1	1
<i>Aspergillus flavus</i>	1	1
<i>Aspergillus flavus</i> af70	1	1
<i>Aspergillus fumigatus</i>	1	1
<i>Aspergillus fumigatus</i> z5	1	1
<i>Aspergillus fumigatus</i> a1163	1	1
<i>Aspergillus lentulus</i>	1	1
<i>Aspergillus nidulans</i>	1	1
<i>Aspergillus niger</i> atcc 1015	1	1
<i>Aspergillus nomius</i> nrri 13137	1	1
<i>Aspergillus ochraceoroseus</i>	1	1
<i>Aspergillus oryzae</i>	1	1
<i>Aspergillus oryzae</i> 3 042	1	1
<i>Aspergillus parasiticus</i> su 1	1	1
<i>Aspergillus rambellii</i>	1	1
<i>Aspergillus terreus</i>	1	1
<i>Aspergillus udagawae</i>	1	1
<i>Neosartorya fischeri</i>	1	1
<i>Aspergillus calidoustus</i>	1	1
<i>Aspergillus luchuensis</i>	1	1
<i>Aspergillus nidulans</i> fgsc a4	1	1
<i>Aspergillus niger</i>	1	1
<i>Aspergillus niger</i> gca 001515345	1	1
<i>Aspergillus oryzae</i> 100 8	1	1
<i>Aspergillus ruber</i> cbs 135680	1	1
<i>Aspergillus ustus</i>	1	1
<i>Aureobasidium melanogenum</i> cbs 110374	1	1
<i>Penicillium rubens</i> wisconsin 54 1255	1	1
<i>Penicillium chrysogenum</i>	1	1

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<i>Penicillium digitatum</i> phi26	1	1
<i>Penicillium digitatum</i> pd1	1	1
<i>Penicillium oxalicum</i> 114 2	1	1
<i>Penicillium roqueforti</i> fm164	1	1
<i>Penicillium brasilianum</i>	1	1
<i>Penicillium expansum</i>	1	1
<i>Penicillium expansum</i> gca 000769745	1	1
<i>Penicillium expansum</i> gca 000769735	1	1
<i>Penicillium freii</i>	1	1
<i>Penicillium griseofulvum</i>	1	1
<i>Penicillium italicum</i>	1	1
<i>Penicillium nordicum</i>	1	1
<i>Penicillium solitum</i>	1	1
<i>Byssosclamyces spectabilis</i> no 5	1	1
<i>Rasamsonia emersonii</i> cbs 393 64	1	1
<i>Talaromyces marneffei</i> pm1	1	1
<i>Talaromyces marneffei</i> atcc 18224	1	1
<i>Talaromyces stipitatus</i> atcc 10500	1	1
<i>Talaromyces islandicus</i>	1	1
<i>Blastomyces dermatitidis</i> er 3	1	1
<i>Blastomyces dermatitidis</i> atcc 26199	1	1
<i>Blastomyces dermatitidis</i> atcc 18188	1	1
<i>Blastomyces gilchristii</i> slh14081	1	1
<i>Emmonsia crescens</i> uamh 3008	1	1
<i>Histoplasma capsulatum</i> nam1	1	1
<i>Histoplasma capsulatum</i> h88	1	1
<i>Histoplasma capsulatum</i> h143	1	1
<i>Histoplasma capsulatum</i> g186ar	1	1
<i>Arthroderma benhamiae</i> cbs 112371	1	1
<i>Arthroderma otae</i> cbs 113480	1	1
<i>Microsporum gypseum</i> cbs 118893	1	1
<i>Trichophyton equinum</i> cbs 127 97	1	1
<i>Trichophyton interdigitale</i> mr816	1	1
<i>Trichophyton interdigitale</i> h6	1	1
<i>Trichophyton rubrum</i> mr850	1	1
<i>Trichophyton rubrum</i> mr1459	1	1
<i>Trichophyton rubrum</i> mr1448	1	1
<i>Trichophyton rubrum</i> d6	1	1
<i>Trichophyton rubrum</i> cbs 735 88	1	1
<i>Trichophyton rubrum</i> cbs 289 86	1	1
<i>Trichophyton rubrum</i> cbs 288 86	1	1
<i>Trichophyton rubrum</i> cbs 202 88	1	1
<i>Trichophyton rubrum</i> cbs 118892	1	1
<i>Trichophyton rubrum</i> cbs 100081	1	1

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Trichophyton soudanense cbs 452 61	1	1
Trichophyton tonsurans cbs 112818	1	1
Trichophyton verrucosum hki 0517	1	1
Uncinocarpus reesii 1704	1	1
Coccidioides immitis rs	1	1
Coccidioides immitis rmscc 3703	1	1
Coccidioides immitis rmscc 2394	1	1
Coccidioides immitis h538 4	1	1
Coccidioides posadasii str silveira	1	1
Coccidioides posadasii rmscc 3488	1	1
Coccidioides posadasii c735 delta sowgp	1	1
Paracoccidioides brasiliensis pb18	1	1
Paracoccidioides brasiliensis pb03	1	1
Paracoccidioides sp lutzii pb01	1	1
Blumeria graminis	1	0
Blumeria graminis f sp tritici 96224	1	0
Erysiphe necator	1	0
Marssonina brunnea f sp multigermtubi mb m1	1	0
Glarea lozoyensis atcc 20868	1	1
Glarea lozoyensis 74030	1	1
Phialocephala scopiformis	1	0
Botrytis cinerea	1	1
Botrytis cinerea t4	1	1
Botrytis cinerea bcdw1	1	1
Sclerotinia borealis f 4157	1	1
Sclerotinia sclerotiorum	1	1
Oidiodendron maius zn	1	1
Pseudogymnoascus destructans 20631 21	1	1
Pseudogymnoascus sp vkm f 4520 fw 2644	1	1
Pseudogymnoascus sp vkm f 4519 fw 2642	1	1
Pseudogymnoascus sp vkm f 4518 fw 2643	0	1
Pseudogymnoascus sp vkm f 4517 fw 2822	1	1
Pseudogymnoascus sp vkm f 4516 fw 969	1	1
Pseudogymnoascus sp vkm f 4515 fw 2607	1	1
Pseudogymnoascus sp vkm f 4514 fw 929	1	1
Pseudogymnoascus sp vkm f 4513 fw 928	1	1
Pseudogymnoascus sp vkm f 4281 fw 2241	1	1
Pseudogymnoascus sp vkm f 4246	1	1
Pseudogymnoascus sp vkm f 3808	1	1
Pseudogymnoascus sp vkm f 3557	1	1
Pseudogymnoascus sp vkm f 103	1	1
Colletotrichum fioriniae pj7	1	1
Colletotrichum gloeosporioides	1	1
Colletotrichum gloeosporioides cg 14	1	1

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Colletotrichum graminicola	1	1
Colletotrichum nymphaeae sa 01	1	1
Colletotrichum orbiculare	1	1
Colletotrichum higginsianum	1	1
Colletotrichum incanum	1	1
Colletotrichum salicis	1	1
Colletotrichum simmondsii	1	1
Colletotrichum sublineola	1	1
Colletotrichum tofieldiae	1	1
Verticillium alfalfae vams 102	1	1
Verticillium dahliae	1	1
Verticillium dahliaejr2	1	1
Verticillium longisporum	1	1
Verticillium longisporum gca 001268165	1	1
Metarhizium acridum cqma 102	1	1
Metarhizium album arsef 1941	1	1
Metarhizium anisopliae	1	1
Metarhizium anisopliae brip 53293	1	1
Metarhizium anisopliae brip 53284	1	1
Metarhizium anisopliae arsef 549	1	1
Metarhizium brunneum arsef 3297	1	1
Metarhizium guizhouense arsef 977	1	1
Metarhizium majus arsef 297	1	1
Metarhizium anisopliae arsef 23	1	1
Metarhizium robertsii	1	1
Torrubiella hemipterigena	1	1
Beauveria bassiana d1 5	1	1
Beauveria bassiana arsef 2860	1	1
Cordyceps militaris cm01	1	1
Trichoderma atroviride imi 206040	1	1
Trichoderma reesei	1	1
Trichoderma reesei rut c 30	1	1
Trichoderma virens	1	1
Trichoderma gamsii	1	1
Trichoderma harzianum	1	1
Acremonium chrysogenum atcc 11550	1	1
Ustilaginoidea virens	1	1
Fusarium verticillioides	1	1
Fusarium oxysporum	1	1
Fusarium oxysporum fosc 3 a	1	1
Fusarium oxysporum fo47	1	1
Fusarium oxysporum f sp vasinfectum 25433	1	1
Fusarium oxysporum f sp raphani 54005	1	1
Fusarium oxysporum f sp radicis lycopersici 2638	1	1

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<i>Fusarium oxysporum</i> f sp pisi hdv247	1	1
<i>Fusarium oxysporum</i> f sp melonis 26406	1	1
<i>Fusarium oxysporum</i> f sp lycopersici mn25	1	1
<i>Fusarium oxysporum</i> f sp cubense tropical race 4	1	1
<i>Fusarium oxysporum</i> f sp conglutinans race 2 54	1	1
<i>Fusarium oxysporum</i> f sp cubense race 4	1	1
<i>Fusarium oxysporum</i> f sp cubense race 1	1	1
<i>Fusarium pseudograminearum</i>	1	1
<i>Fusarium solani</i>	1	1
<i>Fusarium fujikuroi</i>	1	1
<i>Fusarium fujikuroi</i> gca 001023065	1	1
<i>Fusarium fujikuroi</i> gca 001023045	1	1
<i>Fusarium fujikuroi</i> gca 001023035	1	1
<i>Fusarium graminearum</i>	1	1
<i>Fusarium graminearum</i> gca 000599445	1	1
<i>Fusarium langsethiae</i>	1	1
<i>Neonectria ditissima</i>	1	1
<i>Drechmeria coniospora</i>	1	1
<i>Hirsutella minnesotensis</i> 3608	1	1
<i>Ophiocordyceps sinensis</i> co18	1	1
<i>Ophiocordyceps unilateralis</i>	1	1
<i>Tolypocladium ophioglossoides</i> cbs 100239	1	1
<i>Stachybotrys chartarum</i> ibt 7711	1	1
<i>Stachybotrys chartarum</i> ibt 40293	1	1
<i>Stachybotrys chartarum</i> ibt 40288	1	1
<i>Stachybotrys chlorohalonata</i> ibt 40285	1	1
<i>Ceratocystis platani</i>	1	0
<i>Thielaviopsis punctulata</i>	1	1
<i>Diaporthe ampelina</i>	1	1
<i>Gaeumannomyces graminis</i>	1	1
<i>Magnaporthe oryzae</i>	1	1
<i>Magnaporthe poae</i>	1	1
<i>Grosmannia clavigera</i> kw1407	1	1
<i>Ophiostoma piceae</i> uamh 11346	1	1
<i>Sporothrix brasiliensis</i> 5110	1	1
<i>Sporothrix schenckii</i> atcc 58251	1	1
<i>Sporothrix schenckii</i> 1099 18	1	1
<i>Chaetomium thermophilum</i> var <i>thermophilum</i> d	1	1
<i>Chaetomium globosum</i> cbs 148 51	1	1
<i>Myceliophthora thermophila</i> atcc 42464	1	1
<i>Thielavia terrestris</i> nrsl 8126	1	1
<i>Podospora anserina</i> s mat	1	1
<i>Neurospora crassa</i> gca 000786625	1	1
<i>Neurospora tetrasperma</i> fgsc 2509	1	1

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<i>Neurospora tetrasperma</i> fgsc 2508	1	1
<i>Neurospora crassa</i>	1	1
<i>Sordaria macrospora</i>	1	1
<i>Madurella mycetomatis</i>	1	1
<i>Phaeoacremonium minimum</i> ucrpa7	1	1
<i>Eutypa lata</i> ucrel1	1	1
<i>Microdochium bolleyi</i>	1	1
<i>Pestalotiopsis fici</i> w106 1	1	1
<i>Rosellinia necatrix</i>	1	1
<i>Xylona heveae</i> tc161	1	1
<i>Dactylellina haptotyla</i> cbs 200 50	1	1
<i>Drechslerella stenobrocha</i> 248	0	0
<i>Arthrobotrys oligospora</i> atcc 24927	1	1
<i>Pyronema omphalodes</i> cbs 100304	1	1
<i>Tuber melanosporum</i>	1	1
<i>Candida albicans</i> wo 1	0	0
<i>Candida albicans</i> sc5314	0	0
<i>Candida albicans</i> sc5314 gca 000784655	0	0
<i>Candida albicans</i> sc5314 gca 000784635	0	0
<i>Candida albicans</i> p94015	0	0
<i>Candida albicans</i> p87	0	0
<i>Candida albicans</i> p78048	0	0
<i>Candida albicans</i> p78042	0	0
<i>Candida albicans</i> p76067	0	0
<i>Candida albicans</i> p76055	0	0
<i>Candida albicans</i> p75063	0	0
<i>Candida albicans</i> p75016	0	0
<i>Candida albicans</i> p75010	0	0
<i>Candida albicans</i> p60002	0	0
<i>Candida albicans</i> p57072	0	0
<i>Candida albicans</i> p57055	0	0
<i>Candida albicans</i> p37039	0	0
<i>Candida albicans</i> p37037	0	0
<i>Candida albicans</i> p37005	0	0
<i>Candida albicans</i> p34048	0	0
<i>Candida albicans</i> l26	0	0
<i>Candida albicans</i> gc75	0	0
<i>Candida albicans</i> ca6	0	0
<i>Candida albicans</i> 19f	0	0
<i>Candida albicans</i> 12c	0	0
<i>Candida dubliniensis</i> cd36	0	0
<i>Candida maltosa</i> xu316	0	0
<i>Candida orthopsilosis</i> co 90 125	0	0
<i>Candida tropicalis</i> mya 3404	0	0

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<i>Candida parapsilosis</i> cdc317	0	0
<i>Lodderomyces elongisporus</i> nrri yb 4239	0	0
<i>Debaryomyces hansenii</i> cbs767	1	0
<i>Debaryomyces fabryi</i>	0	0
<i>Meyerozyma guilliermondii</i> atcc 6260	1	0
<i>Millerozyma farinosa</i> cbs 7064	0	0
<i>Scheffersomyces stipitis</i> cbs 6054	0	0
<i>Spathaspora passalidarum</i> nrri y 27907	0	0
<i>Candida tenuis</i> atcc 10573	0	0
<i>Geotrichum candidum</i>	1	0
<i>Yarrowia lipolytica</i>	1	0
<i>Candida auris</i>	0	0
<i>Clavispora lusitaniae</i> atcc 42720	0	0
<i>Cyberlindnera jadinii</i>	1	0
<i>Komagataella pastoris</i>	1	0
<i>Komagataella pastoris</i> cbs 7435	1	0
<i>Wickerhamomyces ciferrii</i>	1	0
<i>Brettanomyces bruxellensis</i> awri1499	0	0
<i>Ogataea parapolyomorpha</i> dl 1	1	0
<i>Pichia kudriavzevii</i>	1	0
<i>Ashbya gossypii</i>	0	0
<i>Ashbya gossypii</i> fdag1	0	0
<i>Eremothecium sincaudum</i>	0	0
<i>Kazachstania africana</i> cbs 2517	0	0
<i>Kazachstania naganishii</i> cbs 8797	0	0
<i>Kluyveromyces marxianus</i>	0	0
<i>Kluyveromyces lactis</i>	0	0
<i>Kluyveromyces marxianus</i> dmku3 1042	0	0
<i>Lachancea thermotolerans</i> cbs 6340	1	0
<i>Lachancea lanzarotensis</i>	1	0
<i>Candida glabrata</i>	0	0
<i>Candida glabrata</i> gca 001466685	0	0
<i>Candida glabrata</i> gca 001466635	0	0
<i>Candida glabrata</i> gca 001466575	0	0
<i>Candida glabrata</i> gca 001466565	0	0
<i>Candida glabrata</i> gca 001466535	0	0
<i>Candida glabrata</i> gca 001466525	0	0
<i>Naumovozya castellii</i> cbs 4309	0	0
<i>Naumovozya dairenensis</i> cbs 421	0	0
<i>Saccharomyces arboricola</i> h 6	0	0
<i>Saccharomyces cerevisiae</i>	0	0
<i>Saccharomyces cerevisiae</i> yjm996	0	0
<i>Saccharomyces cerevisiae</i> yjm993	0	0
<i>Saccharomyces cerevisiae</i> yjm990	0	0

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<i>Saccharomyces cerevisiae</i> yjm987	0	0
<i>Saccharomyces cerevisiae</i> yjm984	0	0
<i>Saccharomyces cerevisiae</i> yjm981	0	0
<i>Saccharomyces cerevisiae</i> yjm978	0	0
<i>Saccharomyces cerevisiae</i> yjm975	0	0
<i>Saccharomyces cerevisiae</i> yjm972	0	0
<i>Saccharomyces cerevisiae</i> yjm969	0	0
<i>Saccharomyces cerevisiae</i> yjm789	0	0
<i>Saccharomyces cerevisiae</i> yjm693	0	0
<i>Saccharomyces cerevisiae</i> yjm689	0	0
<i>Saccharomyces cerevisiae</i> yjm683	0	0
<i>Saccharomyces cerevisiae</i> yjm682	0	0
<i>Saccharomyces cerevisiae</i> yjm681	0	0
<i>Saccharomyces cerevisiae</i> yjm627	0	0
<i>Saccharomyces cerevisiae</i> yjm555	0	0
<i>Saccharomyces cerevisiae</i> yjm554	0	0
<i>Saccharomyces cerevisiae</i> yjm541	0	0
<i>Saccharomyces cerevisiae</i> yjm470	0	0
<i>Saccharomyces cerevisiae</i> yjm456	0	0
<i>Saccharomyces cerevisiae</i> yjm453	0	0
<i>Saccharomyces cerevisiae</i> yjm451	0	0
<i>Saccharomyces cerevisiae</i> yjm450	0	0
<i>Saccharomyces cerevisiae</i> yjm428	0	0
<i>Saccharomyces cerevisiae</i> yjm326	0	0
<i>Saccharomyces cerevisiae</i> yjm320	0	0
<i>Saccharomyces cerevisiae</i> yjm271	0	0
<i>Saccharomyces cerevisiae</i> yjm270	0	0
<i>Saccharomyces cerevisiae</i> yjm248	0	0
<i>Saccharomyces cerevisiae</i> yjm244	0	0
<i>Saccharomyces cerevisiae</i> yjm195	0	0
<i>Saccharomyces cerevisiae</i> yjm193	0	0
<i>Saccharomyces cerevisiae</i> yjm189	0	0
<i>Saccharomyces cerevisiae</i> yjm1615	0	0
<i>Saccharomyces cerevisiae</i> yjm1592	0	0
<i>Saccharomyces cerevisiae</i> yjm1574	0	0
<i>Saccharomyces cerevisiae</i> yjm1573	0	0
<i>Saccharomyces cerevisiae</i> yjm1549	0	0
<i>Saccharomyces cerevisiae</i> yjm1527	0	0
<i>Saccharomyces cerevisiae</i> yjm1526	0	0
<i>Saccharomyces cerevisiae</i> yjm1479	0	0
<i>Saccharomyces cerevisiae</i> yjm1478	0	0
<i>Saccharomyces cerevisiae</i> yjm1477	0	0
<i>Saccharomyces cerevisiae</i> yjm1463	0	0
<i>Saccharomyces cerevisiae</i> yjm1460	0	0

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<i>Saccharomyces cerevisiae</i> yjm1450	0	0
<i>Saccharomyces cerevisiae</i> yjm1447	0	0
<i>Saccharomyces cerevisiae</i> yjm1444	0	0
<i>Saccharomyces cerevisiae</i> yjm1443	0	0
<i>Saccharomyces cerevisiae</i> yjm1439	0	0
<i>Saccharomyces cerevisiae</i> yjm1434	0	0
<i>Saccharomyces cerevisiae</i> yjm1433	0	0
<i>Saccharomyces cerevisiae</i> yjm1419	0	0
<i>Saccharomyces cerevisiae</i> yjm1418	0	0
<i>Saccharomyces cerevisiae</i> yjm1417	0	0
<i>Saccharomyces cerevisiae</i> yjm1415	0	0
<i>Saccharomyces cerevisiae</i> yjm1402	0	0
<i>Saccharomyces cerevisiae</i> yjm1401	0	0
<i>Saccharomyces cerevisiae</i> yjm1400	0	0
<i>Saccharomyces cerevisiae</i> yjm1399	0	0
<i>Saccharomyces cerevisiae</i> yjm1389	0	0
<i>Saccharomyces cerevisiae</i> yjm1388	0	0
<i>Saccharomyces cerevisiae</i> yjm1387	0	0
<i>Saccharomyces cerevisiae</i> yjm1386	0	0
<i>Saccharomyces cerevisiae</i> yjm1385	0	0
<i>Saccharomyces cerevisiae</i> yjm1383	0	0
<i>Saccharomyces cerevisiae</i> yjm1381	0	0
<i>Saccharomyces cerevisiae</i> yjm1356	0	0
<i>Saccharomyces cerevisiae</i> yjm1355	0	0
<i>Saccharomyces cerevisiae</i> yjm1342	0	0
<i>Saccharomyces cerevisiae</i> yjm1341	0	0
<i>Saccharomyces cerevisiae</i> yjm1338	0	0
<i>Saccharomyces cerevisiae</i> yjm1336	0	0
<i>Saccharomyces cerevisiae</i> yjm1332	0	0
<i>Saccharomyces cerevisiae</i> yjm1326	0	0
<i>Saccharomyces cerevisiae</i> yjm1311	0	0
<i>Saccharomyces cerevisiae</i> yjm1307	0	0
<i>Saccharomyces cerevisiae</i> yjm1304	0	0
<i>Saccharomyces cerevisiae</i> yjm1273	0	0
<i>Saccharomyces cerevisiae</i> yjm1252	0	0
<i>Saccharomyces cerevisiae</i> yjm1250	0	0
<i>Saccharomyces cerevisiae</i> yjm1248	0	0
<i>Saccharomyces cerevisiae</i> yjm1244	0	0
<i>Saccharomyces cerevisiae</i> yjm1242	0	0
<i>Saccharomyces cerevisiae</i> yjm1208	0	0
<i>Saccharomyces cerevisiae</i> yjm1202	0	0
<i>Saccharomyces cerevisiae</i> yjm1199	0	0
<i>Saccharomyces cerevisiae</i> yjm1190	0	0
<i>Saccharomyces cerevisiae</i> yjm1133	0	0

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<i>Saccharomyces cerevisiae</i> yjm1129	0	0
<i>Saccharomyces cerevisiae</i> yjm1083	0	0
<i>Saccharomyces cerevisiae</i> yjm1078	0	0
<i>Saccharomyces cerevisiae</i> x <i>saccharomyces kudr</i>	0	0
<i>Saccharomyces cerevisiae</i> vl3	0	0
<i>Saccharomyces cerevisiae</i> vin13	0	0
<i>Saccharomyces cerevisiae</i> rm11 1a	0	0
<i>Saccharomyces cerevisiae</i> r103	0	0
<i>Saccharomyces cerevisiae</i> r008	0	0
<i>Saccharomyces cerevisiae</i> p301	0	0
<i>Saccharomyces cerevisiae</i> p283	0	0
<i>Saccharomyces cerevisiae</i> lalvin qa23	0	0
<i>Saccharomyces cerevisiae</i> kyokai no 7	0	0
<i>Saccharomyces cerevisiae</i> gca 000091065	0	0
<i>Saccharomyces cerevisiae</i> fosterso	0	0
<i>Saccharomyces cerevisiae</i> fostersb	0	0
<i>Saccharomyces cerevisiae</i> ec1118	0	0
<i>Saccharomyces cerevisiae</i> awri796	0	0
<i>Saccharomyces kudriavzevii</i> ifo 1802	0	0
<i>Saccharomyces cerevisiae</i> cen pk113 7d	0	0
<i>Saccharomyces eubayanus</i>	0	0
<i>Saccharomyces</i> sp <i>boulardii</i> gca 001413975	0	0
<i>Saccharomyces</i> sp <i>boulardii</i>	0	0
<i>Saccharomycetaceae</i> sp <i>ashbya aceri</i>	0	0
<i>Tetrapisispora blattae</i> cbs 6284	0	0
<i>Tetrapisispora phaffii</i> cbs 4417	0	0
<i>Torulaspora delbrueckii</i>	0	0
<i>Vanderwaltozyma polyspora</i> dsm 70294	0	0
<i>Zygosaccharomyces bailii</i> isa1307	1	0
<i>Zygosaccharomyces rouxii</i>	1	0
<i>Kuraishia capsulata</i> cbs 1993	1	0
<i>Hanseniaspora uvarum</i> dsm 2768	0	0
<i>Pneumocystis carinii</i> b80	0	0
<i>Pneumocystis jirovecii</i> ru7	0	0
<i>Schizosaccharomyces cryophilus</i>	0	0
<i>Schizosaccharomyces japonicus</i>	0	0
<i>Schizosaccharomyces octosporus</i>	0	0
<i>Schizosaccharomyces pombe</i>	0	0
<i>Saitoella complicata</i> nrml y 17804	1	1
<i>Botryobasidium botryosum</i> fd 172 ss1	1	1
<i>Rhizoctonia solani</i> ag 8 wac10335	1	1
<i>Rhizoctonia solani</i> ag 1 ia	1	1
<i>Rhizoctonia solani</i> ag 3 rhs1ap	1	1
<i>Rhizoctonia solani</i> ag 1 ib	1	1

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<i>Rhizoctonia solani</i> 123e	1	1
<i>Tulasnella calospora</i> mut 4182	1	1
<i>Cylindrobasidium torrendii</i> fp15055 ss 10	1	1
<i>Schizopora paradoxa</i>	1	1
<i>Punctularia strigosozonata</i> hhb 11173 ss5	0	0
<i>Gloeophyllum trabeum</i> atcc 11539	1	1
<i>Fomitiporia mediterranea</i> mf3 22	1	1
<i>Gelatoporia subvermispora</i> b	1	1
<i>Postia placenta</i> mad 698 r	0	1
<i>Trametes versicolor</i> fp 101664 ss1	0	0
<i>Trametes cinnabarina</i>	1	1
<i>Fomitopsis pinicola</i> fp 58527 ss1	1	1
<i>Phanerochaete carnosae</i> hhb 10118 sp	1	1
<i>Phlebiopsis gigantea</i> 11061 1 cr5 6	1	1
<i>Dichomitus squalens</i> lyad 421 ss1	1	0
<i>Fibroporia radiculosa</i>	1	1
<i>Heterobasidion irregulare</i> tc 32 1	1	1
<i>Stereum hirsutum</i> fp 91666 ss1	0	0
<i>Piriformospora indica</i> dsm 11827	1	1
<i>Serendipita vermifera</i> maff 305830	1	1
<i>Agaricus bisporus</i> var <i>burnettii</i> jb137 s8	1	1
<i>Agaricus bisporus</i> var <i>bisporus</i> h97	1	1
<i>Leucoagaricus</i> sp symc cos	1	1
<i>Plicaturopsis crispa</i> fd 325 ss 3	1	0
<i>Amanita muscaria</i> koide bx008	1	1
<i>Hebeloma cylindrosporum</i> h7	1	1
<i>Fistulina hepatica</i> atcc 64428	1	1
<i>Hypsizygus marmoreus</i>	1	1
<i>Termitomyces</i> sp j132	1	1
<i>Moniliophthora perniciosa</i> fa553	1	1
<i>Moniliophthora roreri</i>	1	1
<i>Moniliophthora roreri</i> mca 2997	1	1
<i>Gymnopus luxurians</i> fd 317 m1	1	1
<i>Pleurotus ostreatus</i> pc15	1	1
<i>Schizophyllum commune</i> h4 8	1	1
<i>Galerina marginata</i> cbs 339 88	1	1
<i>Hypholoma sublateritium</i> fd 334 ss 4	1	1
<i>Laccaria amethystina</i> laam 08 1	1	1
<i>Laccaria bicolor</i> s238n h82	1	1
<i>Fibulorhizoctonia</i> sp cbs 109695	1	1
<i>Piloderma croceum</i> f 1598	1	1
<i>Coniophora puteana</i> rwd 64 598 ss2	1	1
<i>Serpula lacrymans</i> var <i>lacrymans</i> s7 9	1	1
<i>Serpula lacrymans</i> var <i>lacrymans</i> s7 3	1	1

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Hydnomerulius pinastri md 312	1	1
Paxillus involutus atcc 200175	1	1
Paxillus rubicundulus ve08 2h10	1	1
Pisolithus microcarpus 441	1	1
Pisolithus tinctorius marx 270	1	1
Scleroderma citrinum foug a	1	1
Suillus luteus uh slu lm8 n1	1	1
Jaapia argillacea mucl 33604	1	1
Sphaerobolus stellatus ss14	1	1
Dacryopinax sp djm 731 ss1	1	1
Xanthophyllomyces dendrorhous	0	0
Cryptococcus gattii wm276	1	0
Cryptococcus gattii ru294	1	0
Cryptococcus gattii ram5	0	0
Cryptococcus gattii r265	0	0
Cryptococcus gattii nt 10	1	0
Cryptococcus gattii mmrl2647	0	0
Cryptococcus gattii la55	0	0
Cryptococcus gattii ind107	1	0
Cryptococcus gattii ejb2	1	0
Cryptococcus gattii e566	1	0
Cryptococcus gattii cbs 10090	0	0
Cryptococcus gattii ca1873	1	0
Cryptococcus gattii ca1280	1	0
Cryptococcus gattii ca1014	0	0
Cryptococcus gattii 99 473	0	0
Cryptococcus gattii 2001 935 1	0	0
Cryptococcus neoformans	0	0
Cryptococcus neoformans var neoformans b 350	1	0
Cryptococcus neoformans var grubii h99	0	0
Tremella mesenterica dsm 1558	0	0
Trichosporon asahii var asahii cbs 8904	1	1
Trichosporon asahii var asahii cbs 2479	1	1
Trichosporon oleaginosus	1	1
Wallemia ichthyophaga exf 994	0	0
Wallemia mellicola cbs 633 66	1	0
Rhodotorula sp jg 1b	1	1
Microbotryum violaceum	1	1
Rhodotorula glutinis atcc 204091	1	0
Rhodotorula graminis wp1	1	0
Rhodotorula toruloides	1	1
Rhodotorula toruloides np11	1	1
Sporidiobolus salmonicolor	1	0
Mixia osmundae iam 14324	1	0

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Mixia osmundae iam 14324 gca 000708205	1	0
Melampsora laricipopulina	1	1
Puccinia graminis	1	1
Puccinia graminisug99	1	1
Puccinia striiformis f sp tritici pst 78	1	1
Puccinia triticina	0	1
Puccinia sorghi	1	1
Ceraceosorus bombacis	1	1
Tilletiaria anomala ubc 951	1	0
Malassezia sympodialis atcc 42132	1	1
Malassezia pachydermatis	0	0
Anthracozygia flocculosa pf 1	0	1
Kalmanozyma brasiliensis ghg001	1	1
Moesziomyces aphidis dsm 70725	1	1
Moesziomyces antarcticus	0	1
Pseudozyma hubeiensis sy62	1	0
Sporisorium reilianum	1	1
Sporisorium scitamineum	0	0
Ustilago maydis	1	0
Ustilago hordei	1	1
Conidiobolus coronatus nrri 28638	0	1
Mortierella verticillata nrri 6337	1	1
Lichtheimia corymbifera jmrc fsu 9682	0	1
Lichtheimia ramosa	0	1
Mucor circinelloides f circinelloides 1006phl	0	0
Mucor ambiguus	0	0
Parasitella parasitica	0	0
Rhizopus delemar ra 99 880	0	0
Rhizophagus irregularis daom 197198w	1	1
Rhizophagus irregularis daom 181602	1	1
Enterocytozoon bieneusi h348	0	0
Nosema apis brl 01	0	0
Nosema bombycis cq1	0	0
Nosema ceranae	0	0
Nosema ceranae brl01	0	0
Vittaforma corneae atcc 50505	0	0
Spraguea lophii 42 110	0	0
Anncaliia algerae pra339	0	0
Anncaliia algerae pra109	0	0
Encephalitozoon cuniculi gb m1	0	0
Encephalitozoon cuniculi ecuniii l	0	0
Encephalitozoon intestinalis atcc 50506	0	0
Edhazardia aedis usnm 41457	0	0
Mitosporidium daphniae	0	0

Supplementary Table 8

Nematocida parisii ertm3	0	0
Nematocida parisii ertm1	0	0
Nematocida sp 1 ertm6	0	0
Nematocida sp 1 ertm2	0	0
Ordospora colligata oc4	0	0
Pseudoloma neurophilia	0	0
Trachipleistophora hominis	0	0
Vavraia culicis subsp floridensis	0	0

Supplemental Table 9

	ALKB2
<i>Blattella germanica</i>	1
<i>Nicrophorus vespilloides</i>	0
<i>Tribolium castaneum</i>	1
<i>Aedes aegypti</i>	0
<i>Aedes albopictus</i>	0
<i>Anopheles gambiae str. PEST</i>	0
<i>Culex quinquefasciatus</i>	0
<i>Drosophila melanogaster</i>	0
<i>Acyrtosiphon pisum</i>	1
<i>Apis mellifera</i>	0
<i>Camponotus floridanus</i>	0
<i>Copidosoma floridanum</i>	0
<i>Harpegnathos saltator</i>	0
<i>Microplitis demolitor</i>	0
<i>Nasonia vitripennis</i>	0
<i>Polistes canadensis</i>	0
<i>Solenopsis invicta</i>	0
<i>Bombyx mori</i>	0
<i>Parhyale hawaiiensis</i>	1
<i>Daphnia pulex</i>	0
<i>Daphnia magna</i>	0
<i>Schistocerca gregaria</i>	1