

Table SMO. Descriptors of genome-wide features for protein-coding genes and repetitive sequences, as estimated by the GenomeContent program, from 461 gene annotations and genome sequences

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Genome-wide features of introns are evolutionary decoupled among themselves and from genome size throughout Eukarya.
<https://www.biorxiv.org/content/early/2018/03/18/283549>

ORDER_ALL	SPECIES_NAME	ABBREV_NAME	KINGDOM	PROTEIN-CODING GENES						REPETITIVE SEQUENCES					
				GENE_NUMBER	TRANSCRIPT_NUMBER	GENE_CONTENT_MBS	GENE_AVG_SIZE_nts	NON-REPETITIVE_GENOME_nts	NON-REPETITIVE_GENOME_MBS	GENOME_OVERLAPPED_REPEATS	GENOME_REPEATS_nts	GENOME_REPEATS_MBS	NON-REPETITIVE_NC-DNA_nts	NON-REPETITIVE_NC-DNA_MBS	
1	<i>Thecamonas trahens</i>	tht	Protist	10544	10627	22.27	2112.41	26095892	26.1	30340	2610450	2.61	6720848	6.72	
2	<i>Sphaeroforma arctica</i>	sar	Protist	18319	18836	42.39	2314.13	102585543	102.59	94793	20764444	20.76	87156785	87.16	
3	<i>Capsaspora owczarzaki</i>	cow	Protist	8758	10123	21.37	2440.07	23838386	23.84	34449	4147664	4.15	9205117	9.21	
4	<i>Salpingoeca rosetta</i>	sro	Protist	11629	11736	44.72	3845.19	40339835	40.34	140458	14651683	14.65	20650929	20.65	
5	<i>Monosiga brevicollis</i>	mbr	Protist	9196	9196	26.72	2905.98	37605652	37.61	27507	4068552	4.07	22225061	22.23	
6	<i>Mnemiopsis leidyi</i>	mle	Metazoa	16058	16058	85.72	5338.28	122528864	122.53	153021	35032480	35.03	101568057	101.57	
7	<i>Amphimedon queenslandica</i>	aqu	Metazoa	29883	29883	68.85	2304.08	103486824	103.49	228689	65470675	65.47	81134370	81.13	
8	<i>Trichoplax adhaerens</i>	tad	Metazoa	11518	11520	39.71	3447.51	98804135	98.8	39640	6720062	6.72	83561999	83.56	
9	<i>Acropora digitifera</i>	adi	Metazoa	24910	24910	139.05	5335.39	275479339	275.48	527187	138825454	138.83	251839416	251.84	
10	<i>Nematostella vectensis</i>	nve	Metazoa	27273	27273	118.2	4333.81	236665041	236.67	354046	122516970	122.52	213065515	213.07	
11	<i>Hydra magnipapillata</i>	hma	Metazoa	20000	32337	217.06	6712.47	330660910	330.66	1312473	532654732	532.65	310935519	310.94	
12	<i>Thelohanellus kitaei</i>	tki	Metazoa	15020	15020	18.58	1236.93	110793550	110.79	91249	39734368	39.73	103131894	103.13	
13	<i>Adineta vaga</i>	ava	Metazoa	49300	49300	76.97	1561.26	180977784	180.98	207437	37056870	37.06	133056542	133.06	
14	<i>Clonorchis sinensis</i>	cls	Metazoa	13634	93583	241.75	17731.43	383435389	383.44	412980	154539887	154.54	365021388	365.02	
15	<i>Schistosoma mansoni</i>	sma	Metazoa	8564	9390	139.91	12154.04	187348863	187.35	434146	178038194	178.04	175049656	175.05	
16	<i>Helobdella robusta</i>	hro	Metazoa	23432	23432	87.62	3739.46	154495715	154.5	488611	80906755	80.91	132667659	132.67	
17	<i>Capitella teleta</i>	cte	Metazoa	32415	32415	84.31	2600.91	230618954	230.62	338631	108272970	108.27	202124656	202.12	
18	<i>Octopus bimaculoides</i>	oct	Metazoa	33609	38556	533.09	13826.27	1339346274	1339.35	5061325	1016674354	1016.67	1314990145	1314.99	
19	<i>Pinctada fucata</i>	pfu	Metazoa	33306	35066	300.03	9024.76	442248497	442.25	1231909	377181428	377.18	409291590	409.29	
20	<i>Crassostrea gigas</i>	cgi	Metazoa	26089	26089	207.45	7951.55	366470803	366.47	545387	192770273	192.77	334834866	334.83	
21	<i>Biomphalaria glabrata</i>	bgl	Metazoa	14141	14141	136.64	9662.68	538686028	538.69	1686826	406514933	406.51	525465551	525.47	
22	<i>Lottia gigantea</i>	lgi	Metazoa	23851	23851	117.14	4911.48	283726873	283.73	337286	76140914	76.14	259661062	259.66	
23	<i>Trichinella spiralis</i>	tsp	Metazoa	15461	15461	28.6	1851.01	50408093	50.41	59158	14812951	14.81	37949226	37.95	
24	<i>Pristionchus pacificus</i>	prp	Metazoa	29201	29201	71.91	2462.64	141763114	141.76	150727	28764601	28.76	118649556	118.65	
25	<i>Caenorhabditis elegans</i>	cel	Metazoa	20532	31752	57.34	2794.51	83593116	83.59	83849	16649210	16.65	59193261	59.19	
26	<i>Strongyloides ratti</i>	srt	Metazoa	12449	12529	21.49	1715.06	39253427	39.25	40584	3853261	3.85	22577659	22.58	
27	<i>Ascaris suum</i>	asu	Metazoa	18542	18542	120.66	6507.28	261328389	261.33	98600	10044886	10.04	243267288	243.27	
28	<i>Loa loa</i>	loa	Metazoa	16281	16281	37.8	2322	79782189	79.78	78678	7644043	7.64	65813656	65.81	
29	<i>Brugia malayi</i>	bma	Metazoa	13439	17479	41.15	3061.63	83394559	83.39	91866	14116428	14.12	70171633	70.17	
30	<i>Ixodes scapularis</i>	isc	Metazoa	20486	20486	212.1	10353.65	1124520737	1124.52	2641900	707562241	707.56	1107460467	1107.46	
31	<i>Metaseiulus occidentalis</i>	mcc	Metazoa	11430	11717	49.98	4372.45	136947432	136.95	61956	15300454	15.3	121593431	121.59	
32	<i>Tetranychus urticae</i>	tur	Metazoa	18224	18224	38.49	2112.1	77316734	77.32	80070	13501665	13.5	60545573	60.55	
33	<i>Stegodyphus mimosarum</i>	smm	Metazoa	27135	27135	586.28	21606.9	1337893105	1337.89	3175468	1420777408	1420.78	1318796331	1318.8	
34	<i>Sarcopeltis scabiei</i>	sas	Metazoa	10458	10458	15.02	1435.77	51196458	51.2	124101	5083447	5.08	39475996	39.48	
35	<i>Strigamia maritima</i>	stm	Metazoa	14992	15008	55.01	3669.59	113585751	113.59	218514	76846419	76.85	94008221	94.01	
36	<i>Lingula anatina</i>	lgm	Metazoa	34105	34105	222.47	6523.24	329394390	329.39	479327	96424982	96.42	282852798	282.85	
37	<i>Daphnia pulex</i>	dpp	Metazoa	30895	30895	60.79	1967.59	147652406	147.65	171874	50259428	50.26	124603999	124.6	
38	<i>Acyrtosiphon pisum</i>	api	Metazoa	10249	10466	87.13	8497.58	342745323	342.75	770135	123716033	123.72	327973553	327.97	
39	<i>Nilaparvata lugens</i>	nlu	Metazoa	36724	36724	245.02	6697.54	1055049078	1055.05	374276	70978718	70.98	1028183933	1028.18	
40	<i>Diaphorina citri</i>	dic	Metazoa	19311	21207	159	8234.2	34049957	340.5	1026508	147783268	147.78	320885525	320.89	
41	<i>Rhodnius prolixus</i>	rpr	Metazoa	15426	15426	109.28	7084.33	510624402	510.62	607694	201165788	201.17	495482029	495.48	
42	<i>Pediculus humanus</i>	phu	Metazoa	10773	10775	33.53	3111.96	86306900	86.31	515032	24546288	24.55	70099789	70.1	
43	<i>Locusta migratoria</i>	loc	Metazoa	17586	17586	979.08	55673.93	3155319585	3155.32	10272391	3837149873	3837.15	3137090444	3137.09	

Genome-wide features Protein-coding genes														
44	<i>Zootermopsis nevadensis</i>	zoo	Metazoa	14610	14610	122.49	8384.01	379381980	379.38	554154	104293479	104.29	362091026	362.09
45	<i>Nasonia vitripennis</i>	rvi	Metazoa	10842	12293	81.47	7486.92	171436751	171.44	156843	20269603	20.27	153954055	153.95
46	<i>Ceratosolen solmsi</i>	cso	Metazoa	9823	12940	121.57	12376.27	250975045	250.98	375245	25884279	25.88	234792969	234.79
47	<i>Athalia rosae</i>	aro	Metazoa	10950	19815	78.57	7175.26	151864546	151.86	167698	11963116	11.96	132330658	132.33
48	<i>Microplitis demolitor</i>	mde	Metazoa	12377	18391	88.93	7186.08	149407314	149.41	407921	102532134	102.53	130298826	130.3
49	<i>Fopius arisanus</i>	foa	Metazoa	10991	19273	73.39	6676.83	126254614	126.25	106023	27611335	27.61	108000804	108
50	<i>Harpegnathos saltator</i>	hsl	Metazoa	18518	18564	71.75	3874.86	222468296	222.47	440467	75255252	75.26	204760986	204.76
51	<i>Camponotus floridanus</i>	cfl	Metazoa	17015	17064	71.36	4194.54	203199423	203.2	255263	31792088	31.79	184047367	184.05
52	<i>Megachile rotundata</i>	mro	Metazoa	10788	27102	136.18	12623.51	229261324	229.26	196498	43722811	43.72	210638603	210.64
53	<i>Bombus terrestris</i>	bte	Metazoa	8333	9367	105.42	12649.25	204101742	204.1	121786	12734118	12.73	189959823	189.96
54	<i>Apis mellifera</i>	ame	Metazoa	9131	9644	95.68	10433.65	205459739	205.46	256097	14154097	14.15	190849490	190.85
55	<i>Cerapachys biroi</i>	ceb	Metazoa	12148	24557	111.23	9156.4	182721918	182.72	166554	30331110	30.33	163570889	163.57
56	<i>Linepithema humile</i>	lhu	Metazoa	16048	16114	51.33	3198.92	191015416	191.02	167980	30051927	30.05	172455435	172.46
57	<i>Pogonomyrmex barbatus</i>	pba	Metazoa	17098	17098	48.76	2851.69	200564522	200.56	232160	36025968	36.03	182511864	182.51
58	<i>Solenopsis invicta</i>	sin	Metazoa	16513	16513	44.3	2682.83	279240107	279.24	394098	75622482	75.62	263244325	263.24
59	<i>Wasmannia auropunctata</i>	wau	Metazoa	13668	24553	120.14	8790.16	269040943	269.04	378769	64675422	64.68	249169632	249.17
60	<i>Acromyrmex echinatior</i>	aec	Metazoa	17277	17278	92.12	5333.88	230594955	230.59	406327	67958028	67.96	211334123	211.33
61	<i>Atta cephalotes</i>	ace	Metazoa	18062	18093	57.24	3169.31	266392454	266.39	402020	51439028	51.44	248018257	248.02
62	<i>Vollenhovia emeryi</i>	vem	Metazoa	14870	26594	128.12	8616.22	219041418	219.04	305969	74189920	74.19	198632978	198.63
63	<i>Tribolium castaneum</i>	tct	Metazoa	16525	16525	86.39	5227.76	190531140	190.53	150706	38195512	38.2	169911306	169.91
64	<i>Dendroctonus ponderosae</i>	dpn	Metazoa	13088	13457	50.01	3820.93	209738806	209.74	184502	43851578	43.85	194327042	194.33
65	<i>Plutella xylostella</i>	pxy	Metazoa	18071	18071	143.16	7922.31	276208837	276.21	447720	117646120	117.65	253517110	253.52
66	<i>Bombyx mori</i>	bmo	Metazoa	14623	14623	87.2	5963.44	302324825	302.32	728573	192032101	192.03	285227191	285.23
67	<i>Manduca sexta</i>	msx	Metazoa	15542	27530	295.03	10737.03	294864561	294.86	494864	89526866	89.53	274364785	274.36
68	<i>Operophtera brumata</i>	opb	Metazoa	16912	16912	127.72	7552.03	293799846	293.8	1453690	348273394	348.27	276928095	276.93
69	<i>Chilo suppressalis</i>	chu	Metazoa	10132	10132	30.57	3017.23	263614590	263.61	767291	111602006	111.6	254725013	254.73
70	<i>Papilio glaucus</i>	pgl	Metazoa	15692	15692	114.03	7266.89	285359739	285.36	575590	92832012	92.83	266620550	266.62
71	<i>Papilio polytes</i>	ppo	Metazoa	12165	16773	105.68	8687.38	179238621	179.24	279706	47751962	47.75	161087124	161.09
72	<i>Lerema accius</i>	lac	Metazoa	17411	17411	114.51	6577.04	254026338	254.03	322831	45501532	45.5	233479357	233.48
73	<i>Phoebea sennae</i>	phs	Metazoa	16493	16493	106.31	6445.51	257649568	257.65	533461	90842960	90.84	237530484	237.53
74	<i>Calycopsis cecrops</i>	cce	Metazoa	16456	16456	186.04	11305.52	436040818	436.04	1285864	302320744	302.32	416800364	416.8
75	<i>Danaus plexippus</i>	dpl	Metazoa	16254	16254	80.26	4937.7	239311185	239.31	231172	33747245	33.75	220435600	220.44
76	<i>Heliconius melpomene</i>	hme	Metazoa	12669	12829	83.37	6580.63	198279730	198.28	454282	76794407	76.79	181435183	181.44
77	<i>Melitaea cinxia</i>	mcx	Metazoa	16674	16674	127.06	7627.64	280859095	280.86	648401	109508024	109.51	265469040	265.47
78	<i>Phlebotomus papatasii</i>	ppt	Metazoa	11164	11164	39.01	3494.42	217300679	217.3	659857	161453941	161.45	205219685	205.22
79	<i>Lutzomyia longipalpis</i>	llo	Metazoa	10110	10110	46.78	4626.95	131835056	131.84	120086	22608199	22.61	117274692	117.27
80	<i>Drosophila melanogaster</i>	dme	Metazoa	13937	26950	61.95	4449.11	115981683	115.98	154172	52752538	52.75	93949527	93.95
81	<i>Anopheles gambiae</i>	aga	Metazoa	12446	19218	57.57	4625.89	197125065	197.13	236774	51034959	51.03	180215150	180.22
82	<i>Anopheles darlingi</i>	ada	Metazoa	11430	11430	62.04	5427.95	108516672	108.52	114320	4957540	4.96	91431504	91.43
83	<i>Aedes aegypti</i>	aae	Metazoa	15141	16497	161.46	15050.39	251543172	251.54	1129441	708300591	70.83	236762809	236.76
84	<i>Culex pipiens</i>	cpq	Metazoa	18883	18883	102.26	5415.71	275700923	275.7	718767	304614095	304.61	253127042	253.13
85	<i>Belgica antarctica</i>	ban	Metazoa	13510	13510	30.68	2271.03	86388834	86.39	23267	2751108	2.75	67997337	68
86	<i>Glossina morsitans</i>	gmr	Metazoa	12301	12442	84.68	6884.64	281722508	281.72	578080	85727359	85.73	261905340	261.91
87	<i>Musca domestica</i>	mud	Metazoa	14402	19687	166.86	11585.73	383228539	383.23	1046150	371485296	371.49	360678958	360.68
88	<i>Lucilia cuprina</i>	lcu	Metazoa	14452	14452	131.56	9102.99	322498600	322.5	603466	111518016	111.52	301357117	301.36
89	<i>Mayetiola destructor</i>	myd	Metazoa	17355	19842	54.38	2740.8	163243609	163.24	211742	20934971	20.93	144206405	144.21
90	<i>Megaselia scalaris</i>	msc	Metazoa	11461	11463	22.91	1998.79	355633377	355.63	908907	142579536	142.58	348455445	348.46
91	<i>Ptychoderma flava</i>	pfl	Metazoa	34638	34648	588.09	16979.15	777659483	777.66	1381417	482105319	482.11	737921696	737.92
92	<i>Saccoglossus kowalevskii</i>	sko	Metazoa	11119	11119	192.1	17277.09	465784409	465.78	709832	293350135	293.35	457122909	457.12
93	<i>Strongylocentrotus purpuratus</i>	spu	Metazoa	28836	30904	303.11	10503.05	568138173	568.14	1349260	362225265	362.23	539684008	539.68
94	<i>Branchiostoma floridae</i>	bfl	Metazoa	28621	28623	260.53	9102.86	347564393	347.56	665196	174090896	174.09	316336136	316.34
95	<i>Oikopleura dioica</i>	odi	Metazoa	17152	17152	31.57	1840.63	55490476	55.49	46643	15006489	15.01	36407767	36.41
96	<i>Ciona intestinalis</i>	cin	Metazoa	16658	17289	57.22	3434.93	90500669	90.5	150081	24797664	24.8	74810687	74.81
97	<i>Ciona savignyi</i>	csg	Metazoa	11616	20155	63.26	5445.81	116534135	116.53	198266	60618695	60.62	103494273	103.49
98	<i>Petromyzon marinus</i>	pma	Metazoa	10415	11442	129.5	12434.42	570347058	570.35	906461	314187235	314.19	558783718	558.78
99	<i>Danio rerio</i>	dre	Metazoa	26237	42091	648.18	24725.63	622399650	622.4	1814242	611753067	611.75	589207081	589.21
100	<i>Astyanax mexicanus</i>	amx	Metazoa	23650	33925	528.03	22258.35	879328521	879.33	1976405	312631376	312.63	842613073	842.61
101	<i>Esox lucius</i>	elu	Metazoa	24136	43145	395.15	16281.41	609249684	609.25	967040	269765254	269.77	569004816	569
102	<i>Gadus morhua</i>	gmo	Metazoa	20095	22100	305.77	15216.23	675863136	675.86	1305386	181812953	181.81	648123096	648.12
103	<i>Tetraodon nigroviridis</i>	tni	Metazoa	19602	23118	121.03	6178.27	326605204	326.61	268475	31827213	31.83	297620441	297.62

Genome-wide features Protein-coding genes														
104	<i>Takifugu rubripes</i>	tru	Metazoa	18523	47841	144.43	7803.08	352423934	352.42	245527	42445244	42.45	319920338	319.92
105	<i>Gasterosteus aculeatus</i>	gac	Metazoa	20787	27576	177.92	8564.72	387807485	387.81	385420	76110273	76.11	356995408	357
106	<i>Cynoglossus semiaevis</i>	cys	Metazoa	21474	32145	233.55	10869.59	420027462	420.03	548137	48944777	48.94	382895742	382.9
107	<i>Larimichthys crocea</i>	lcr	Metazoa	22274	28394	293.03	13135.84	572770184	572.77	699758	75554427	75.55	535228702	535.23
108	<i>Oryzias latipes</i>	ola	Metazoa	19699	24674	243.11	12349.24	623012445	623.01	870618	248576718	248.58	594565240	594.57
109	<i>Xiphophorus maculatus</i>	xma	Metazoa	20379	20454	277.86	13634.69	623850902	623.85	691818	107046754	107.05	591075882	591.08
110	<i>Notothenia coriiceps</i>	nco	Metazoa	24776	32510	246.87	9956.56	490282341	490.28	656224	155721655	155.72	459170432	459.17
111	<i>Oreochromis niloticus</i>	oni	Metazoa	21437	26763	324.98	15159.59	705785777	705.79	997402	222847208	222.85	671792139	671.79
112	<i>Neolamprologus brichardi</i>	neb	Metazoa	22678	31653	357.03	15698.53	718926829	718.93	786498	128982649	128.98	682516728	682.52
113	<i>Astatotilapia burtoni</i>	abu	Metazoa	23604	42227	366.01	15452.1	696124307	696.12	788877	135939038	135.94	657123013	657.12
114	<i>Pundamilia nyererei</i>	pny	Metazoa	22854	36901	363.87	15871.37	690240188	690.24	771352	140286051	140.29	652243352	652.24
115	<i>Metriaclima zebra</i>	mze	Metazoa	23135	40463	391.2	16846.07	698739202	698.74	826620	151096184	151.1	659403564	659.4
116	<i>Latimeria chalumnae</i>	Ich	Metazoa	19569	23601	727.79	37215.68	1823383132	1823.38	4133019	1042825444	1042.83	1794125768	1794.13
117	<i>Nanorana parkeri</i>	rpa	Metazoa	22972	22972	567.79	24716.66	1157247275	1157.25	3279020	921957972	921.96	1129080419	1129.08
118	<i>Xenopus laevis</i>	xla	Metazoa	43025	43025	515.28	11976.31	1852796167	1852.8	3865727	901310869	901.31	1806633479	1806.63
119	<i>Xenopus tropicalis</i>	xtr	Metazoa	18442	22718	383.92	20817.84	990764214	990.76	19080505	525106475	525.11	963461627	963.46
120	<i>Ophisaurus gracilis</i>	ogr	Metazoa	19513	19513	542.1	27781.35	1018795989	1018.8	2817100	764385692	764.39	991695628	991.7
121	<i>Pogona vitticeps</i>	pov	Metazoa	19406	19406	506.64	26107.52	1272635671	1272.64	2312139	537853257	537.85	1242619034	1242.62
122	<i>Anolis carolinensis</i>	acr	Metazoa	18596	19177	571.29	30742.58	1036923314	1036.92	2331295	766159906	766.16	1010378193	1010.38
123	<i>Python molurus</i>	pmo	Metazoa	19120	26059	467.98	24340.99	1119856655	1119.86	1604271	319613691	319.61	1090817351	1090.82
124	<i>Ophiophagus hannah</i>	oha	Metazoa	18444	18444	372.9	20217.77	1157078680	1157.08	2307010	499642862	499.64	1135328785	1135.33
125	<i>Chelonoidis mydas</i>	cmy	Metazoa	19633	19633	563.2	28686.22	1560460992	1560.46	2431769	677490072	677.49	1534798332	1534.8
126	<i>Pelodiscus sinensis</i>	psi	Metazoa	18188	20668	685.74	37729.95	1413483072	1413.48	2429314	789601723	789.6	1388105810	1388.11
127	<i>Chrysemys picta</i>	chp	Metazoa	21180	43665	934.03	43506.03	1549359815	1549.36	2539417	842929738	842.93	1517419589	1517.42
128	<i>Alligator mississippiensis</i>	ami	Metazoa	18152	21353	706.56	38826.11	1376727848	1376.73	2179484	802353435	802.35	1347629996	1347.63
129	<i>Crocodylus porosus</i>	crc	Metazoa	13329	13394	693.56	51781.45	1358585283	1358.59	2103443	773539993	773.54	1338655035	1338.66
130	<i>Gaviaia gangeticus</i>	gag	Metazoa	14047	14088	606.09	43022.01	2096697865	2096.7	2263335	797384344	797.38	2078107584	2078.11
131	<i>Struthio camelus</i>	scl	Metazoa	14577	26179	471.48	32310.74	1169699583	1169.7	413099	54907969	54.91	1144358220	1144.36
132	<i>Tinamus guttatus</i>	tgt	Metazoa	15723	17953	326.33	20730.21	993295963	993.3	444860	50366439	50.37	969116306	969.12
133	<i>Anas platyrhynchos</i>	apl	Metazoa	20648	20648	435.77	21104.83	1027992240	1027.99	639887	74046000	74.05	999944117	999.94
134	<i>Meleagris gallopavo</i>	mga	Metazoa	14125	16496	303.88	21533.15	980218523	980.22	478948	82602955	82.6	957816031	957.82
135	<i>Gallus gallus</i>	gga	Metazoa	15508	16354	388.19	25052.86	921374889	921.37	569734	132492461	132.49	896473779	896.47
136	<i>Columba livia</i>	cli	Metazoa	14725	18344	423.12	28701.55	1018200060	1018.2	482383	89165042	89.17	993178308	993.18
137	<i>Cuculus canorus</i>	cuc	Metazoa	14727	16804	440.99	29925.7	1042569161	1042.57	469012	110306261	110.31	101717458	1017.18
138	<i>Calypte anna</i>	ann	Metazoa	14543	16332	410.93	28240.6	1008038647	1008.04	557079	96201885	96.2	983308380	983.31
139	<i>Chaetura pelasgica</i>	cpl	Metazoa	14111	15952	421.63	29854.12	1012438161	1012.44	500141	106246823	106.25	988154355	988.15
140	<i>Opisthotomus hoazin</i>	oho	Metazoa	13333	14886	446.18	33431.46	1104881854	1104.88	416302	98315145	98.32	1081794249	1081.79
141	<i>Charadrius vociferus</i>	cvo	Metazoa	14465	16440	456.68	31527.68	1125017379	1125.02	496409	94213361	94.21	109953327	1099.95
142	<i>Nipponia nippon</i>	nni	Metazoa	15018	17090	454.75	30252.14	1147452642	1147.45	472622	74942526	74.94	1121272797	1121.27
143	<i>Egretta garzetta</i>	ega	Metazoa	14127	15933	446.47	31561.82	1120764721	1120.76	466542	85126066	85.13	1096323950	1096.32
144	<i>Aptenodytes forsteri</i>	afo	Metazoa	14767	18934	471.46	31898.78	1184332180	1184.33	454054	69342993	69.34	1158549402	1158.55
145	<i>Pygoscelis adeliae</i>	pya	Metazoa	13734	17058	455.25	33130.89	1142032661	1142.03	421070	73698437	73.7	1118004053	1118
146	<i>Falco cherrug</i>	fch	Metazoa	15998	15998	308.97	19312.73	1115478712	1115.48	404093	62439839	62.44	1091355162	1091.36
147	<i>Melopsittacus undulatus</i>	mun	Metazoa	15470	15470	305.51	19748.75	1012328023	1012.33	422156	103715093	103.72	991590621	991.59
148	<i>Manacus vitellinus</i>	mvi	Metazoa	14040	15675	399.39	28424.34	1060534312	1060.53	461627	81285209	81.29	1036832112	1036.83
149	<i>Corvus brachyrhynchos</i>	cob	Metazoa	14350	16515	412.22	28696.39	998278348	998.28	448766	93121354	93.12	973574678	973.57
150	<i>Taeniopygia guttata</i>	tgu	Metazoa	17488	18204	369.8	22300.05	1073073543	1073.07	536041	122651345	122.65	1051481332	1051.48
151	<i>Serinus canaria</i>	sca	Metazoa	14756	17765	403.97	27341.26	1022740848	1022.74	724030	171810676	171.81	997981423	997.98
152	<i>Zonotrichia albicollis</i>	zal	Metazoa	13802	18872	406.1	29403.92	966365802	966.37	465670	85828703	85.83	942672617	942.67
153	<i>Ficedula albicollis</i>	fil	Metazoa	15540	26608	444.52	28551.61	986363520	986.36	541321	130914539	130.91	959700908	959.7
154	<i>Pseudopoces humilis</i>	phm	Metazoa	16998	16998	341.76	20106.13	966689681	966.69	462901	78253817	78.25	943639186	943.64
155	<i>Geospiza fortis</i>	gfo	Metazoa	13946	16394	399.27	28623.22	973443106	973.44	469302	90898035	90.9	949391546	949.39
156	<i>Picoides pubescens</i>	ppu	Metazoa	14136	15826	438.57	31016.4	903277629	903.28	912028	263116139	263.12	879286500	879.29
157	<i>Haliaeetus leucocephalus</i>	hle	Metazoa	15212	26443	464.27	30490.15	1107045713	1107.05	415228	71215349	71.22	1079842458	1079.84
158	<i>Aquila chrysaetos</i>	aqc	Metazoa	15637	32370	477.44	30491.82	1115979288	1115.98	453224	76626929	76.63	1088173081	1088.17
159	<i>Ornithodorhynchus anatinus</i>	oan	Metazoa	21698	23584	434.96	20057.97	120477726	1204.78	3850163	887530187	887.53	1180605627	1180.61
160	<i>Macropus eugenii</i>	meu	Metazoa	15290	15342	456.19	29835.81	1858215042	1858.22	4404381	1167850738	1167.85	1833360748	1833.36
161	<i>Sarcophilus harrisii</i>	sha	Metazoa	18788	22404	632.69	33698.47	195077984	1950.78	4936136	1255176162	1255.18	1923416659	1923.42
162	<i>Monodelphis domestica</i>	mdd	Metazoa	21327	22310	1078.81	50614.93	1755098540	1755.1	5047181	1850445062	1850.45	1725474890	1725.47
163	<i>Loxodonta africana</i>	laf	Metazoa	20033	25635	762.37	38080.22	1468244594	1468.24	3747654	1740120403	1740.12	1439901164	1439.9

Genome-wide features Protein-coding genes														
164	<i>Myotis lucifugus</i>	mlu	Metazoa	19728	20719	491.48	24912.98	1258928714	1258.93	2428173	780053356	780.05	1231025522	1231.03
165	<i>Pteropus alecto</i>	pal	Metazoa	21392	21392	601.15	28101.82	1440810379	1440.81	2227492	593427978	593.43	1410400345	1410.4
166	<i>Equus caballus</i>	eca	Metazoa	20449	22654	654.34	32019.03	1573530930	1573.53	2566154	923150693	923.15	1545773943	1545.77
167	<i>Camelus ferus</i>	cfe	Metazoa	18364	23639	642.84	34814.15	1432019913	1432.02	2165523	580011520	580.01	1402568066	1402.57
168	<i>Sus scrofa</i>	ssc	Metazoa	21629	25536	593.19	27472.82	1794073434	1794.07	3244490	1014405433	1014.41	1766413142	1766.41
169	<i>Bos taurus</i>	bta	Metazoa	19994	22118	704.96	35281.67	1446163770	1446.16	3345899	1226250243	1226.25	1416468352	1416.47
170	<i>Ovis aries</i>	oar	Metazoa	20306	20306	583.53	28736.6	1583733994	1583.73	3460017	987222093	987.22	1558210491	1558.21
171	<i>Capra hircus</i>	chi	Metazoa	22172	22172	663.67	29932.66	1638742149	1638.74	3670223	1037621432	1037.62	1609954572	1609.95
172	<i>Balaenoptera acutorostrata</i>	bac	Metazoa	20605	20605	566.01	27469.41	1578532366	1578.53	2727213	867604618	867.6	1549699856	1549.7
173	<i>Lipotes vexillifer</i>	lve	Metazoa	18877	26904	811.47	42921.29	1467585114	1467.59	2783553	966147273	966.15	1436258326	1436.26
174	<i>Orca orca</i>	oor	Metazoa	18129	28079	871.64	47936.94	1529674671	1529.67	2689474	843847944	843.85	1498594488	1498.59
175	<i>Canis familiaris</i>	cfa	Metazoa	19856	25160	786.9	39656.13	1534861368	1534.86	3198865	896489789	896.49	1503634676	1503.63
176	<i>Ailuropoda melanoleuca</i>	aml	Metazoa	19343	21136	696.12	36012.49	1543431184	1543.43	2834886	756974006	756.97	1513748041	1513.75
177	<i>Panthera tigris</i>	ptg	Metazoa	18298	27009	780.79	42499.03	1548721116	1548.72	3153611	842520221	842.52	1519369374	1519.37
178	<i>Felis catus</i>	fca	Metazoa	19493	20259	650.84	33410.8	1579025238	1579.03	3263949	88006649	880.01	1549732678	1549.73
179	<i>Oryctolagus cuniculus</i>	ocu	Metazoa	19018	23812	732.33	38533.66	1592111644	1592.11	3295192	1152256468	1152.26	1564444205	1564.44
180	<i>Ictidomys tridecemlineatus</i>	itr	Metazoa	18826	20000	522.13	27734.69	1705119052	1705.12	3003750	777389664	777.39	1677968204	1677.97
181	<i>Cavia porcellus</i>	cpo	Metazoa	18673	19774	623.85	33432.34	1647504525	1647.5	2818883	1102053364	1102.05	1619383927	1619.38
182	<i>Rattus norvegicus</i>	mo	Metazoa	22941	25725	713.03	31098.52	1858847860	1858.85	3331703	1051131412	1051.13	1828302373	1828.3
183	<i>Mus musculus</i>	mmu	Metazoa	23056	47800	824.2	36433.71	1546445195	15464.45	3365011	1184291019	1184.29	1515045351	1515.05
184	<i>Tupaia chinensis</i>	tch	Metazoa	22688	22688	394.94	17407.39	1654840124	1654.84	4129124	1208986000	1208.99	1631233858	1631.23
185	<i>Microcebus murinus</i>	mmr	Metazoa	16319	16319	721.92	44240.69	2292395848	2292.4	2244385	656566961	656.57	2266803095	2266.8
186	<i>Macaca mulatta</i>	mml	Metazoa	21905	36384	897.07	40977.15	1816428170	1816.43	3489379	1353967004	1353.97	1786010604	1786.01
187	<i>Callithrix jacchus</i>	cja	Metazoa	20993	43792	893.74	42577.32	1692313039	1692.31	3290106	1231796691	1231.8	1660654084	1660.65
188	<i>Pongo abelii</i>	pon	Metazoa	20424	21414	916.04	44881.75	1985180564	1985.18	3679830	1461526366	1461.53	1956397164	1956.4
189	<i>Gorilla gorilla</i>	ggo	Metazoa	20962	27473	853.49	40745.08	1784009181	1784.01	3312480	1256515085	1256.52	1753460244	1753.46
190	<i>Pan troglodytes</i>	pan	Metazoa	18759	19907	882.04	47095.08	1952963708	1952.96	3389689	1367207153	1367.21	1925111412	1925.11
191	<i>Homo sapiens</i>	hsa	Metazoa	23080	90308	1040.33	51506.76	1747630218	1747.63	3202037	1354066379	1354.07	1715727725	1715.73
192	<i>Pyropia yezoensis</i>	pye	Protist	10327	10327	3.74	1174.47	34316968	34.32	60316	10835141	10.84	31547175	31.55
193	<i>Chondrus crispus</i>	ccr	Protist	9807	9807	10.67	1111.11	32687353	32.69	47538	75108639	75.11	24392989	24.39
194	<i>Galdieria sulphuraria</i>	gsu	Protist	6622	7174	9.88	1377.23	11813296	11.81	2585	2401527	2.4	4010077	4.01
195	<i>Cyanidioschyton merolae</i>	cme	Protist	4997	4997	7.38	1552.63	12302398	12.3	7016	4258616	4.26	5186845	5.19
196	<i>Micromonas pusilla</i>	mpu	Viridiplantae	10660	10660	16.26	1524.87	18115596	18.12	42255	3530195	3.53	5325802	5.33
197	<i>Micromonas sp</i> CC299	mic	Viridiplantae	10103	10103	15.64	1547.58	19719671	19.72	15527	1264972	1.26	5818325	5.82
198	<i>Bathycoccus prasinos</i>	bpr	Viridiplantae	7807	7807	12.55	1607.62	13893692	13.89	17664	1085624	1.09	2352816	2.35
199	<i>Ostreococcus sp</i>	osp	Viridiplantae	7492	7492	10.1	1348.36	12285832	12.29	13130	976812	0.98	3168820	3.17
200	<i>Chlamydomonas reinhardtii</i>	cre	Viridiplantae	17737	19526	82.97	4249.26	85936449	85.94	175414	24989020	24.99	53631998	53.63
201	<i>Volvox carteri</i>	vcn	Viridiplantae	14971	15285	62.19	4068.86	95382073	95.38	178786	35806013	35.81	74168647	74.17
202	<i>Chlorella variabilis</i>	cva	Viridiplantae	9791	9791	27.93	2852.82	40313620	40.31	64841	5860989	5.86	28220131	28.22
203	<i>Helicospodium sp</i>	hel	Viridiplantae	6033	6033	6.19	1025.28	11732888	11.73	4056	346699	0.35	7016799	7.02
204	<i>Coccomyxa subellipsoidea</i>	csu	Viridiplantae	9629	9629	31.5	3270.99	46070624	46.07	17605	2889696	2.89	34227616	34.23
205	<i>Astrochloris sp</i>	asp	Viridiplantae	7159	7159	32.45	4532.39	54771882	54.77	12081	1366358	1.37	45027214	45.03
206	<i>Physcomitrella patens</i>	ppa	Viridiplantae	32273	38354	78.36	2043	217598957	217.6	293690	262347306	262.35	184287242	184.29
207	<i>Selaginella moellendorffii</i>	smo	Viridiplantae	22285	22285	36.44	1637.31	96332519	96.33	160263	117337138	117.34	78207355	78.21
208	<i>Pinus taeda</i>	pnt	Viridiplantae	50172	50172	425.83	8487.44	4244416161	4244	10272391	18320263057	18320.26	3973640010	3974
209	<i>Amborella trichopoda</i>	atr	Viridiplantae	27313	27313	152.54	5584.94	294572757	294.57	729630	416725154	416.73	271439662	271.44
210	<i>Spirodela polyrhiza</i>	spi	Viridiplantae	19623	19623	66.41	3384.17	117891071	117.89	100990	27159022	27.16	98784126	98.78
211	<i>Phalaenopsis equestris</i>	peq	Viridiplantae	29431	29431	277.71	9436.06	1048308609	1048.31	477174	29631852	29.63	1022588016	1022.59
212	<i>Phoenix dactylifera</i>	pda	Viridiplantae	28889	28889	110.38	3820.71	302599819	302.6	362406	82276283	82.28	276068521	276.07
213	<i>Elaeis guineensis</i>	egu	Viridiplantae	25893	42261	206.53	7976.11	1495213365	1495.21	548625	38203646	38.2	1460876681	1460.88
214	<i>Musa acuminata</i>	mac	Viridiplantae	36519	36519	130.07	3561.6	307501854	307.5	233162	165301893	165.3	272956155	272.96
215	<i>Phyllostachys heterocycla</i>	phe	Viridiplantae	31987	31987	98.43	3077.1	857554678	857.55	1630912	1376428526	1376.43	822645917	822.65
216	<i>Brachypodium distachyon</i>	bdi	Viridiplantae	26552	31029	75.32	2839.74	175012353	175.01	210311	96829472	96.83	144048895	144.05
217	<i>Hordeum vulgare</i>	hvu	Viridiplantae	24212	62241	53.61	2214.58	4302215024	4302.22	891975	279141161	279.14	4276106704	4276.11
218	<i>Aegilops tauschii</i>	ata	Viridiplantae	33849	33849	97.26	2873.27	1337049191	1337.05	1907334	2232291312	2232.29	1299716329	1299.72
219	<i>Triticum urartu</i>	tut	Viridiplantae	33424	33424	106.7	3192.28	1467039735	1467.04	2009473	2555347416	2555.35	1433711522	1433.71
220	<i>Oryza sativa</i>	osa	Viridiplantae	57781	68619	146.55	2540.39	196197776	196.2	380838	176768653	176.77	158087808	158.09
221	<i>Sorghum bicolor</i>	sbi	Viridiplantae	34496	36338	88.76	2609.84	248059357	248.06	374999	498398021	498.4	215548522	215.55
222	<i>Zea mays</i>	zma	Viridiplantae	63331	88611	158.03	2503.72	334535785	334.54	784858	1731096432	1731.1	288117894	288.12
223	<i>Panicum virgatum</i>	pvi	Viridiplantae	65878	70071	135.35	1931.64	857123365	857.12	1215288	819642068	819.64	798266356	798.27

Genome-wide features Protein-coding genes														
224	<i>Setaria italica</i>	sit	Viridiplantae	35471	40599	94.55	2328.78	205594570	205.59	272868	200308375	200.31	171465273	171.47
225	<i>Aquilegia coerulea</i>	aco	Viridiplantae	24823	41063	150.42	3663.18	153006978	153.01	252467	149370795	149.37	127017341	127.02
226	<i>Nelumbo nucifera</i>	nnu	Viridiplantae	24613	40821	259.37	10537.95	422000966	422	982872	384491791	384.49	392078213	392.08
227	<i>Beta vulgaris</i>	bvu	Viridiplantae	74184	78467	178.77	2409.96	303719513	303.72	613050	271188159	271.19	269354957	269.35
228	<i>Actinidia chinensis</i>	ach	Viridiplantae	39040	39040	205.85	5272.82	391131227	391.13	806443	240145801	240.15	354295227	354.3
229	<i>Coffea canephora</i>	cof	Viridiplantae	25574	25574	81.19	3174.81	293474279	293.47	402375	276351351	276.35	268106365	268.11
230	<i>Mimulus guttatus</i>	mgu	Viridiplantae	26718	28282	65.31	2309.24	141561989	141.56	372727	181840197	181.84	114317321	114.32
231	<i>Sesamum indicum</i>	ssi	Viridiplantae	23811	34098	81.15	3408.29	167266117	167.27	284714	111266110	111.27	138014208	138.01
232	<i>Genlisea aurea</i>	gau	Viridiplantae	17685	17685	25.33	1432.31	38731023	38.73	49946	4838844	4.84	22078490	22.08
233	<i>Utricularia gibba</i>	ugi	Viridiplantae	28494	28494	45.14	1584.24	70941717	70.94	40208	10530759	10.53	44169758	44.17
234	<i>Nicotiana tabacum</i>	nta	Viridiplantae	40129	91016	411.13	4812.03	887779477	887.78	2139032	2998052623	2998.05	838583045	838.58
235	<i>Capsicum annuum</i>	cap	Viridiplantae	30242	30242	73.41	2427.36	648712825	648.71	1704416	2104736362	2104.74	621863985	621.86
236	<i>Solanum melongena</i>	sme	Viridiplantae	85446	85446	309.09	3617.55	292138843	292.14	762523	555700377	555.7	261826500	261.83
237	<i>Solanum lycopersicum</i>	sly	Viridiplantae	34727	34727	100.77	2901.83	276856200	276.86	585592	504742970	504.74	245839776	245.84
238	<i>Solanum tuberosum</i>	stu	Viridiplantae	35119	51472	125.93	2446.66	387575475	387.58	677014	403946530	403.95	363030205	363.03
239	<i>Vitis vinifera</i>	vvi	Viridiplantae	26346	26346	155.26	5893.13	227216498	227.22	488651	2588555448	258.86	203079640	203.08
240	<i>Eucalyptus grandis</i>	egr	Viridiplantae	36376	46315	135.36	2922.62	293011105	293.01	693024	400657643	400.66	267539329	267.54
241	<i>Citrus clementina</i>	ccl	Viridiplantae	25385	88712	65.9	2596.1	157830900	157.83	305306	138037844	138.04	132415449	132.42
242	<i>Citrus sinensis</i>	csi	Viridiplantae	25379	46147	135.75	2941.65	222330914	222.33	249170	102814485	102.81	196701589	196.7
243	<i>Theobroma cacao</i>	tca	Viridiplantae	28672	28672	108.25	2352.45	186819769	186.82	212646	140347878	140.35	156757287	156.76
244	<i>Gossypium raimondii</i>	gra	Viridiplantae	40,976	77267	235.92	3053.33	259697516	259.7	668628	503056665	503.06	220736859	220.74
245	<i>Carica papaya</i>	cpp	Viridiplantae	27769	27793	64.89	2338.29	231765798	231.77	215282	114510074	114.51	209458512	209.46
246	<i>Tarenaya hassleriana</i>	tah	Viridiplantae	26997	42420	66.2	2452.12	154040573	154.04	211628	99124900	99.12	121896043	121.9
247	<i>Aethionema arabicum</i>	aar	Viridiplantae	37839	37839	76.28	2015.94	147717935	147.72	244253	59488697	59.49	117319628	117.32
248	<i>Thellungiella halophila</i>	tha	Viridiplantae	26351	29284	58.38	1993.67	121693901	121.69	154615	121741882	121.74	92178808	92.18
249	<i>Brassica rapa</i>	brp	Viridiplantae	41018	41025	82.39	2008.61	201396051	201.4	313146	82381568	82.38	159362235	159.36
250	<i>Sisymbrium irio</i>	sir	Viridiplantae	49956	49956	93.72	1875.97	188166892	188.17	263435	80618836	80.62	152259418	152.26
251	<i>Leavenworthia alabamica</i>	lal	Viridiplantae	38676	38676	76.8	1985.72	136769662	136.77	152620	39530912	39.53	100287114	100.29
252	<i>Capsella rubella</i>	cru	Viridiplantae	26521	28447	55.73	1958.93	108613650	108.61	119853	26314855	26.31	78163747	78.16
253	<i>Camelina sativa</i>	cam	Viridiplantae	81485	109472	177.88	2182.97	330084584	330.08	853942	313911110	313.91	282043579	282.04
254	<i>Arabidopsis thaliana</i>	ath	Viridiplantae	27416	35386	50.9	1870.96	94846868	94.85	71758	24223506	24.22	64202625	64.2
255	<i>Arabidopsis lyrata</i>	aly	Viridiplantae	32667	32667	59.23	1870.04	137540344	137.54	161384	69229015	69.23	106764407	106.76
256	<i>Populus trichocarpa</i>	ptr	Viridiplantae	41377	45778	95.36	2304.63	258833852	258.83	435614	158954716	158.95	221088573	221.09
257	<i>Linum usitatissimum</i>	lus	Viridiplantae	43471	43484	99.92	2297.95	227243124	227.24	345665	101200562	101.2	178896030	178.9
258	<i>Manihot esculenta</i>	mes	Viridiplantae	30666	34151	96.02	2811.76	339952703	339.95	356171	209949290	209.95	306631112	306.63
259	<i>Ricinus communis</i>	rcu	Viridiplantae	31221	31221	68.01	2178.4	192286410	192.29	259228	173923682	173.92	163893187	163.89
260	<i>Lotus japonicus</i>	lja	Viridiplantae	37971	37971	45.07	2066.47	217794326	217.79	203109	83084111	83.08	199712868	199.71
261	<i>Medicago truncatula</i>	mtr	Viridiplantae	44135	45888	99.73	2173.41	270972610	270.97	498856	151015631	151.02	244934116	244.93
262	<i>Cicer arietinum</i>	car	Viridiplantae	28269	28269	85.81	3035.65	266548971	266.55	485853	2740403082	274	240364418	240.36
263	<i>Cajanus cajan</i>	cca	Viridiplantae	48680	48680	114.1	2343.82	309926000	309.93	709763	312563088	312.56	280933189	280.93
264	<i>Glycine max</i>	gma	Viridiplantae	54175	73320	252.8	3447.93	53030955	530.31	721636	443252077	443.25	471471973	471.47
265	<i>Phaseolus vulgaris</i>	pvu	Viridiplantae	27197	31638	107.92	3411.09	272769841	272.77	412549	248790680	248.79	242196098	242.2
266	<i>Citrullus lanatus</i>	cla	Viridiplantae	23440	23440	64.72	2760.95	213866829	213.87	471181	141315265	141.32	189664983	189.66
267	<i>Cucumis melo</i>	cml	Viridiplantae	27427	34848	89.02	2554.54	224396372	224.4	408987	157976436	157.98	200907942	200.91
268	<i>Cucumis sativus</i>	csa	Viridiplantae	21503	30364	100.33	3304.35	167156587	167.16	216692	36012450	36.01	142945486	142.95
269	<i>Fragaria vesca</i>	fve	Viridiplantae	32831	32831	93.9	2860.12	146185424	146.19	186606	60575474	60.58	112707118	112.71
270	<i>Prunus mume</i>	pmu	Viridiplantae	31390	31390	78.49	2500.33	150254761	150.25	306458	89422487	89.42	123139944	123.14
271	<i>Prunus persica</i>	ppe	Viridiplantae	27864	28701	70.1	2442.37	127848220	127.85	229650	99435581	99.44	101724435	101.72
272	<i>Malus domestica</i>	mdo	Viridiplantae	58960	63541	157.97	2679.23	400057505	400.06	424199	209203158	209.2	359104069	359.1
273	<i>Pyrus bretschneideri</i>	pyb	Viridiplantae	42369	42369	110.14	2599.44	234933590	234.93	571770	274995179	275	195731750	195.73
274	<i>Trypanosoma brucei</i>	tbr	Protist	8747	8747	13.15	1503.09	21696845	21.7	18919	4086685	4.09	9558840	9.56
275	<i>Trypanosoma vivax</i>	tvi	Protist	11885	11885	15.84	1333.33	27670012	27.67	19605	19605950	19.61	16293480	16.29
276	<i>Leishmania major</i>	lma	Protist	8308	8308	15.94	1894.98	29061203	29.06	32011	4085729	4.09	14007967	14.01
277	<i>Naegleria gruberi</i>	ngr	Protist	15709	15711	25.45	1615.73	37923089	37.92	19137	3007863	3.01	16074445	16.07
278	<i>Trichomonas vaginalis</i>	tva	Protist	59681	59681	84.42	862.57	89445726	89.45	120175	121109877	121.11	53674399	53.67
279	<i>Giardia intestinalis</i>	gin	Protist	6098	6098	8.21	1836.39	10055560	10.06	4435	1150616	1.15	2024236	2.02
280	<i>Spironucleus salmonicida</i>	sal	Protist	8333	8333	9.3	1116.53	10834049	10.83	6553	2105262	2.11	2799149	2.8
281	<i>Acanthamoeba castellanii</i>	aca	Protist	15688	15688	31.65	2017.38	37376373	37.38	63586	4543694	4.54	17914845	17.91
282	<i>Polysphondylium pallidum</i>	plp	Protist	12356	12356	24.85	2011.54	25615341	25.62	73765	7295678	7.3	10340880	10.34
283	<i>Dictyostelium fasciculatum</i>	dfa	Protist	12165	12165	24.99	2053.99	23823108	23.82	116483	10006362	10.01	7089586	7.09

Genome-wide features Protein-coding genes														
284	<i>Dictyostelium purpureum</i>	dpu	Protist	12399	12399	20.7	1668.25	18413068	18.41	21761	5032913	5.03	9084567	9.08
285	<i>Dictyostelium discoideum</i>	ddi	Protist	13212	13237	23.06	1761.93	25310444	25.31	37113	15884326	15.88	13005202	13.01
286	<i>Entamoeba dispar</i>	edi	Protist	8748	8748	11	1257.68	27454037	27.45	61981	5451372	5.45	10931270	10.93
287	<i>Entamoeba invadens</i>	ein	Protist	11549	11549	16.17	1399.72	25789029	25.79	69640	5159248	5.16	8182973	8.18
288	<i>Gilliardia theta</i>	gth	Protist	24945	24969	44.4	1787.62	73618436	73.62	95044	13590649	13.59	45630671	45.63
289	<i>Emiliania huxleyi</i>	ehu	Protist	33333	33333	54.46	1633.87	100402114	100.4	274944	68485196	68.49	73798628	73.8
290	<i>Reticulomyxa filosa</i>	ref	Protist	39963	39963	43.3	1083.48	75998650	76	188745	27319655	27.32	46811213	46.81
291	<i>Bigelowiella natans</i>	bna	Protist	21708	21708	59.16	2725.35	82329434	82.33	193102	12201708	12.2	55136252	55.14
292	<i>Plasmodiophora brassicae</i>	plb	Protist	9727	9727	15.24	1566.57	22237409	22.24	9933	1831919	1.83	9674162	9.67
293	<i>Oxytricha trifallax</i>	otx	Protist	24578	24578	0.58	719.02	56284625	56.28	48713	10868328	10.87	15533889	15.53
294	<i>Styloynchia lemnae</i>	sle	Protist	20740	20740	38.51	1857.02	47497602	47.5	22953	2154851	2.15	12995851	13
295	<i>Paramecium tetraurelia</i>	ptm	Protist	39642	39642	56.3	1420.29	67177746	67.18	35648	4611901	4.61	16737685	16.74
296	<i>Ichthyophthirius multifiliis</i>	ich	Protist	8056	8056	13.14	1628.99	43789000	43.79	57367	4038341	4.04	34501500	34.5
297	<i>Tetrahymena thermophila</i>	tet	Protist	24725	24725	62.55	2529.81	90703485	90.7	121084	12268761	12.27	47458263	47.46
298	<i>Symbiodinium minutum</i>	sym	Protist	41925	47014	400.71	9558.84	505232691	505.23	787449	105486878	105.49	440803595	440.8
299	<i>Perkinsus marinus</i>	pkm	Protist	23474	23654	36.46	1541.22	58746284	58.75	106043	32495713	3.25	42208397	42.21
300	<i>Vitrella brassicaformis</i>	vbr	Protist	23034	23034	51.78	2248	61183439	61.18	138769	11534935	11.53	29507835	29.51
301	<i>Cryptosporidium muris</i>	cmu	Protist	3937	3937	7.05	1791.9	8992286	8.99	3158	248950	0.25	2178914	2.18
302	<i>Cryptosporidium parvum</i>	cpv	Protist	3805	3805	6.85	1799.04	8809976	8.81	4730	287002	0.29	2124460	2.12
303	<i>Neospora caninum</i>	nca	Protist	7122	7122	34.72	4875.37	56111085	56.11	29186	2993122	2.99	38490209	38.49
304	<i>Toxoplasma gondii</i>	tgo	Protist	8320	8320	39.27	4807.88	59229474	59.23	35852	4575484	4.58	39854269	39.85
305	<i>Gregarina niphandrodes</i>	gni	Protist	6375	6375	9.17	1438.87	12433126	12.43	8621	1642102	1.64	4282617	4.28
306	<i>Hammondia hammondi</i>	hha	Protist	8003	8004	38.73	4854.28	61748699	61.75	37969	3806109	3.81	42805566	42.81
307	<i>Babesia bovis</i>	bbo	Protist	3703	3703	5.94	1616.76	7429262	7.43	1623	716535	0.72	2336666	2.34
308	<i>Theileria annulata</i>	tan	Protist	3795	3795	6.84	1801.52	7528280	7.53	5796	821484	0.82	1998840	2
309	<i>Theileria parva</i>	tpv	Protist	4079	4079	6.64	1645.31	7680370	7.68	4375	632036	0.63	2341037	2.34
310	<i>Plasmodium vivax</i>	pvx	Protist	5050	5050	12.31	2437.91	24788558	24.79	26825	2332411	2.33	1418401	14.18
311	<i>Plasmodium berghei</i>	pbe	Protist	4881	4881	11.27	2308.82	16832599	16.83	25057	1676028	1.68	7375484	7.38
312	<i>Plasmodium faliparum</i>	pfa	Protist	5429	5494	13.76	2534.27	18080923	18.08	70612	5176270	5.18	7154535	7.15
313	<i>Aurantiochytrium limacinum</i>	ali	Protist	14859	14859	23.09	1553.71	56745498	56.75	48545	4225399	4.23	37547313	37.55
314	<i>Blastocystis hominis</i>	bho	Protist	6020	6020	7.38	1226	13131248	13.13	9367	5706419	5.71	7593844	7.59
315	<i>Saprolegnia parasitica</i>	sap	Protist	20121	20121	29.45	1465.96	47035482	47.04	25935	5937336	5.94	23881227	23.88
316	<i>Albugo laibachii</i>	ala	Protist	13804	13804	24.21	1754.07	24523238	24.52	13319	8701918	8.7	10144326	10.14
317	<i>Pythium ultimum</i>	pul	Protist	15290	15322	22.46	1468.89	39270460	39.27	16014	6120945	6.12	21506085	21.51
318	<i>Hyaloperonospora arabidopsis</i>	hpa	Protist	14321	14321	15.72	1097.42	42430425	42.43	43320	36465168	36.47	30977763	30.98
319	<i>Phytophthora infestans</i>	pif	Protist	17785	17787	26.06	1465.15	97013906	97.01	89888	13944067	139.44	77803951	77.8
320	<i>Phytophthora ramorum</i>	pra	Protist	15605	15605	25.47	1632.07	51095752	51.1	31654	16460852	16.46	33607025	33.61
321	<i>Phytophthora sojae</i>	pso	Protist	18969	18969	32.66	1721.86	55191514	55.19	50482	31887343	31.89	35475428	35.48
322	<i>Nannochloropsis gaditana</i>	nga	Protist	10496	10929	11.05	1512.22	32779824	32.78	16943	1366113	1.37	24731821	24.73
323	<i>Ectocarpus siliculosus</i>	esi	Protist	16276	16276	102.75	6313.01	140761094	140.76	198862	56340711	56.34	117180414	117.18
324	<i>Aureococcus anophagefferens</i>	aan	Protist	11520	11520	24.11	2096.63	47256276	47.26	59599	9377565	9.38	31475543	31.48
325	<i>Thalassiosira oceanica</i>	toc	Protist	34500	34500	43.32	1255.78	59021522	59.02	140163	35993312	35.99	31362210	31.36
326	<i>Thalassiosira pseudonana</i>	tps	Protist	11674	11674	19.54	1673.98	30460046	30.46	10365	1985514	1.99	13666497	13.67
327	<i>Phaeodactylum tricornutum</i>	pti	Protist	12178	12178	15.4	1480.89	24779294	24.78	5815	2714778	2.71	11087404	11.09
328	<i>Fragilariopsis cylindrus</i>	fcy	Protist	27137	27137	40.56	1494.54	67710578	67.71	111389	12773614	12.77	38683674	38.68
329	<i>Pseudonitzschia multiseries</i>	psm	Protist	19703	19703	28.21	1431.87	68035181	68.04	138168	157414982	157.41	51082886	51.08
330	<i>Fonticula alba</i>	fal	Protist	5881	6289	17.16	2917.31	28487655	28.49	50037	2709681	2.71	17227610	17.23
331	<i>Encephalitozoon cuniculi</i>	ecu	Fungi	1996	1997	2.16	1080.43	2212121	2.21	284	289891	0.29	240070	0.24
332	<i>Piromyces sp.</i>	pyr	Fungi	14648	14648	23.87	1629.5	61933757	61.93	96463	9017044	9.02	47550542	47.55
333	<i>Catenaria anguillulae</i>	can	Fungi	14188	14188	19.8	1395.41	33268762	33.27	17312	2908370	2.91	16905433	16.91
334	<i>Allomyces macrogyrus</i>	amg	Fungi	17386	17386	30.86	1775.15	50794276	50.79	36466	6231594	6.23	26367443	26.37
335	<i>Gonapodya prolifera</i>	gpr	Fungi	13902	13902	23.01	1654.93	45407770	45.41	17344	3519703	3.52	28662191	28.66
336	<i>Spizellomyces punctatus</i>	spt	Fungi	8779	8779	16.62	1892.85	22775922	22.78	4328	1371841	1.37	9431160	9.43
337	<i>Batrachochytrium dendrobatidis</i>	bde	Fungi	8732	8732	15.35	1757.38	18544840	18.54	7629	5701063	5.7	8325455	8.33
338	<i>Rhizopus oryzae</i>	ror	Fungi	17413	17413	20.81	1195.19	31756087	31.76	31431	14346250	14.35	18589770	18.59
339	<i>Mucor circinelloides</i>	mci	Fungi	11719	11719	16.02	1366.84	28260565	28.26	18880	8304614	8.3	15466861	15.47
340	<i>Phycomyces blakesleeana</i>	pbl	Fungi	16528	16528	25.5	1542.82	33781440	33.78	80868	20209545	20.21	21287579	21.29
341	<i>Coemansia reversa</i>	cor	Fungi	7347	7347	9.84	1339.02	17555739	17.56	9568	4628064	4.63	8978887	8.98
342	<i>Conidiobolus coronatus</i>	cco	Fungi	10635	10635	12.64	1188.06	36142814	36.14	26023	3744198	3.74	26128702	26.13
343	<i>Mixia osmundae</i>	mox	Fungi	6903	6903	11.83	1713.92	13407094	13.41	1653	242150	0.24	3153349	3.15

Genome-wide features Protein-coding genes														
344	<i>Sporobolomyces roseus</i>	spr	Fungi	5536	5536	12.85	2320.34	20211711	20.21	13959	941112	0.94	11163516	11.16
345	<i>Rhodotorula graminis</i>	rgr	Fungi	7283	7283	14.39	1976.27	19328236	19.33	26853	1649342	1.65	9011930	9.01
346	<i>Puccinia graminis</i>	pgr	Fungi	15800	15979	23.93	1514.77	55138451	55.14	72022	33885671	33.89	39596223	39.6
347	<i>Melampsora laricis</i>	mlp	Fungi	9969	9969	13.29	1333.07	67000996	67	93057	34197397	34.2	58879782	58.88
348	<i>Cronartium quercuum</i>	cqu	Fungi	13903	13903	18.78	1350.96	53533362	53.53	86597	23332171	23.33	41212651	41.21
349	<i>Malassezia globosa</i>	mgl	Fungi	4286	4286	6.34	1480.27	8812298	8.81	1750	135928	0.14	2686508	2.69
350	<i>Ustilago maydis</i>	uma	Fungi	6522	6522	12.58	1928.55	18949094	18.95	8928	801670	0.8	7272500	7.27
351	<i>Sporisorium reilianum</i>	sre	Fungi	6673	6673	12.23	1847.55	17893921	17.89	9797	427030	0.43	6269479	6.27
352	<i>Cryptococcus neoformans</i>	cne	Fungi	6273	6594	12.27	1955.56	17755880	17.76	5008	1292988	1.29	7899403	7.9
353	<i>Dacryopinax sp</i>	dac	Fungi	10242	10242	14.85	1449.62	27148114	27.15	9754	2352321	2.35	15127256	15.13
354	<i>Piriformospora indica</i>	pin	Fungi	11767	11767	18.21	1547.28	22997936	23	5808	1795376	1.8	8773251	8.77
355	<i>Sebacina vermicifera</i>	sve	Fungi	15312	15312	23.3	1521.71	32621475	32.62	12595	5402298	5.4	16538229	16.54
356	<i>Botryobasidium botryosum</i>	bob	Fungi	16526	16526	24.69	1494.29	39012056	39.01	22576	7727913	7.73	21534508	21.53
357	<i>Tulasnella calospora</i>	tuc	Fungi	19659	19659	26.86	1366.45	51859114	51.86	29030	10522175	10.52	35397714	35.4
358	<i>Auricularia delicata</i>	ade	Fungi	23577	23577	35.31	1497.65	64928564	64.93	34684	10108507	10.11	40060555	40.06
359	<i>Sphaerobolus stellatus</i>	sst	Fungi	35274	35274	44.79	1269.76	124026233	124.03	100835	52493359	52.49	101264761	101.26
360	<i>Fomitiporia mediterranea</i>	fme	Fungi	11333	11333	18.89	1667.18	39256255	39.26	15269	27196089	27.2	25837823	25.84
361	<i>Phanerochaete carnosa</i>	pca	Fungi	13937	13937	20	1435.28	38060976	38.06	18255	8764336	8.76	23996271	24
362	<i>Phlebia brevispora</i>	pbr	Fungi	16170	16170	24.98	1544.61	43708221	43.71	18240	6270376	6.27	26264718	26.26
363	<i>Punctularia strigosozonata</i>	pst	Fungi	11538	11538	19.17	1661.3	31438774	31.44	10429	2768354	2.77	17051491	17.05
364	<i>Gloeophyllum trabeum</i>	gtr	Fungi	11846	11846	19.13	1615.3	33267248	33.27	11765	4146842	4.15	18899808	18.9
365	<i>Phlebiopsis gigantea</i>	pgi	Fungi	11891	11891	18.43	1550.12	29792034	29.79	5353	350268	0.35	15268485	15.27
366	<i>Bjerkandera adusta</i>	bad	Fungi	15473	15473	23.46	1516.16	39018512	39.02	13228	3824854	3.82	21212563	21.21
367	<i>Ceriporiopsis subvermispora</i>	ces	Fungi	12125	12125	19.77	1630.46	36177978	36.18	10641	2922747	2.92	21653052	21.65
368	<i>Postia placenta</i>	ppl	Fungi	17173	17173	34.29	1997.01	70918275	70.92	39632	20175880	20.18	52531305	52.53
369	<i>Wolfiporia cocos</i>	wco	Fungi	12746	12746	21.09	1654.87	34948104	34.95	27943	15797104	15.8	20952526	20.95
370	<i>Fomitopsis pinicola</i>	fpi	Fungi	13885	13885	21.85	1573.57	37771453	37.77	14277	3838380	3.84	21964440	21.96
371	<i>Trametes versicolor</i>	tve	Fungi	14296	14296	23.37	1635.02	41367082	41.37	15248	3412100	3.41	24344919	24.34
372	<i>Ganoderma sp</i>	gan	Fungi	12910	12910	21.39	1656.54	37045185	37.05	11985	2539363	2.54	21314311	21.31
373	<i>Dichomitus squalens</i>	dsq	Fungi	12290	12290	20.09	1634.95	38029667	38.03	13537	5061564	5.06	23507718	23.51
374	<i>Heterobasidion annosum</i>	han	Fungi	13405	13405	19.65	1466.16	26995210	27	14438	6644396	6.64	13646757	13.65
375	<i>Stereum hirsutum</i>	shi	Fungi	14072	14072	25.69	1825.47	43705922	43.71	17762	2826280	2.83	25025505	25.03
376	<i>Piloderma croceum</i>	pcr	Fungi	21583	21583	27.06	1253.64	47449734	47.45	33636	11929996	11.93	28491791	28.49
377	<i>Jaapia argillacea</i>	jar	Fungi	16419	16419	24.28	1478.68	38709587	38.71	17088	6414726	6.41	20870855	20.87
378	<i>Plicaturopsis crispa</i>	plc	Fungi	13626	13626	21.04	1544.27	31685434	31.69	12034	2859826	2.86	15541991	15.54
379	<i>Amanita muscaria</i>	amu	Fungi	18153	18153	22.05	1214.5	32513037	32.51	24775	8360433	8.36	18244689	18.24
380	<i>Pleurotus ostreatus</i>	pos	Fungi	12330	12330	19.99	1621.01	30599230	30.6	9557	3734092	3.73	16206963	16.21
381	<i>Schizophyllum commune</i>	scm	Fungi	13181	13181	22.33	1694.14	35246195	35.25	11953	3214964	3.21	18546844	18.55
382	<i>Gymnopus luxurians</i>	glu	Fungi	22057	22057	31.17	1413.05	50330189	50.33	38767	16032865	16.03	29813553	29.81
383	<i>Agaricus bisporus</i>	abb	Fungi	10438	10438	16.79	1608.26	26064702	26.06	8609	4183966	4.18	13887040	13.89
384	<i>Laccaria bicolor</i>	lbc	Fungi	20614	20614	30.46	1477.87	40593112	40.59	44702	24452705	24.45	24377495	24.38
385	<i>Coprinopsis cinerea</i>	cci	Fungi	13342	13342	22.85	1712.35	33379164	33.38	9603	2764068	2.76	15509143	15.51
386	<i>Hebeloma cylindrosporum</i>	hcy	Fungi	16841	16841	22.64	1344.17	34762523	34.76	12929	2866482	2.87	17370153	17.37
387	<i>Galerina marginata</i>	gam	Fungi	21461	21461	31.15	1451.35	51753298	51.75	28428	7701988	7.7	29505724	29.51
388	<i>Hypholoma sublateritium</i>	hsu	Fungi	17911	17911	26.11	1457.66	43647373	43.65	19023	4336885	4.34	24362180	24.36
389	<i>Coniophora puteana</i>	cpu	Fungi	13761	13761	23.17	1683.78	39999542	40	14578	3019652	3.02	22675608	22.68
390	<i>Serpula lacrymans</i>	sla	Fungi	12789	12789	18.44	1442.04	28785705	28.79	15841	13972607	13.97	15985486	15.99
391	<i>Hydnomerulius pinastri</i>	hpi	Fungi	13270	13270	20.77	1564.84	33560769	33.56	13169	4731041	4.73	18879828	18.88
392	<i>Paxillus rubicundulus</i>	pru	Fungi	22065	22065	21.59	978.57	31029680	31.03	40138	25953103	25.95	17585296	17.59
393	<i>Scleroderma citrinum</i>	sci	Fungi	21012	21012	23.86	1135.63	32286931	32.29	35919	24360877	24.36	18967913	18.97
394	<i>Pisolithus microcarpus</i>	pmi	Fungi	21064	21064	22.47	1066.93	30583335	30.58	27521	22775119	22.78	18454046	18.45
395	<i>Pisolithus tinctorius</i>	pit	Fungi	22701	22701	25.33	1115.77	36016439	36.02	28574	35185331	35.19	23247814	23.25
396	<i>Saitoella complicata</i>	sco	Fungi	7034	7034	9.52	1353.19	13640185	13.64	4387	493586	0.49	4879793	4.88
397	<i>Schizosaccharomyces pombe</i>	spo	Fungi	5143	5144	7.55	1471.85	11999706	12	3414	607345	0.61	5001206	5
398	<i>Lipomyces starkeyi</i>	lst	Fungi	8192	8192	10.98	1340.13	18838486	18.84	8184	2455057	2.46	9404816	9.4
399	<i>Yarrowia lipolytica</i>	yli	Fungi	6448	6448	9.66	1497.99	19437830	19.44	8422	1040920	1.04	10401634	10.4
400	<i>Nadsonia fulvescens</i>	nfu	Fungi	5657	5657	8.46	1496.27	13445479	13.45	4794	295233	0.3	5490417	5.49
401	<i>Wickerhamomyces anomalus</i>	wan	Fungi	6423	6423	8.7	1353.94	13583377	13.58	5577	562563	0.56	5382454	5.38
402	<i>Hansenula polymorpha</i>	hpo	Fungi	5177	5177	7.06	1363.57	8847620	8.85	872	123992	0.12	1908235	1.91
403	<i>Dekkera bruxellensis</i>	dbr	Fungi	5636	5636	7.96	1411.7	12995805	13	4625	384199	0.38	5615750	5.62

Genome-wide features Protein-coding genes														
404	<i>Pachysolen tannophilus</i>	pta	Fungi	5675	5675	8.4	1480.21	11597963	11.6	19682	964393	0.96	3697885	3.7
405	<i>Pichia pastoris</i>	pip	Fungi	5040	5040	7.26	1440.84	9149899	9.15	1103	64133	0.06	1983488	1.98
406	<i>Pichia stipitis</i>	pic	Fungi	5816	5816	8.9	1530.25	14501116	14.5	3747	954594	0.95	6152899	6.15
407	<i>Candida albicans</i>	cal	Fungi	6059	6059	8.78	1449.34	13383164	13.38	13200	1035330	1.04	4978505	4.98
408	<i>Babjeviella inositovora</i>	bin	Fungi	6403	6403	8.72	1361.43	14882041	14.88	2633	319254	0.32	6700180	6.7
409	<i>Debaryomyces hansenii</i>	dha	Fungi	6088	6091	8.46	1389.91	11819500	11.82	3136	397433	0.4	3584248	3.58
410	<i>Spathaspora passalidarum</i>	spa	Fungi	5983	5983	8.25	1378.76	12765048	12.77	5413	411538	0.41	4861067	4.86
411	<i>Hypopichia burtonii</i>	hbu	Fungi	6005	6005	8.69	1446.46	11986299	11.99	6646	399635	0.4	3659157	3.66
412	<i>Metschnikowia bicuspidata</i>	mbi	Fungi	5851	5851	7.96	1360.28	15382993	15.38	4567	663537	0.66	7814746	7.81
413	<i>Ascoidea rubescens</i>	aru	Fungi	6802	6802	10.35	1522.04	16183304	16.18	18054	1299539	1.3	7163492	7.16
414	<i>Hanseniaspora valbyensis</i>	hva	Fungi	4800	4800	6.79	1415.04	10565626	10.57	14819	873436	0.87	4478159	4.48
415	<i>Ashbya gossypii</i>	ago	Fungi	4776	4776	7.02	1471.85	8635864	8.64	1552	459671	0.46	1715094	1.72
416	<i>Kluyveromyces lactis</i>	kla	Fungi	5076	5090	7.43	1463.21	10420192	10.42	2770	268711	0.27	3122158	3.12
417	<i>Lachancea thermotolerans</i>	lth	Fungi	5092	5147	7.55	1481.76	10203067	10.2	1575	189708	0.19	2746265	2.75
418	<i>Saccharomyces cerevisiae</i>	sce	Fungi	6692	6692	9.05	1357.64	11141884	11.14	4290	929973	0.93	2906099	2.91
419	<i>Zygosaccharomyces rouxii</i>	zro	Fungi	4991	4991	7.46	1494	9423996	9.42	4106	333673	0.33	2131538	2.13
420	<i>Tuber melanosporum</i>	tme	Fungi	7496	7496	12.07	1609.88	50956832	50.96	68957	74297064	74.3	41276533	41.28
421	<i>Aureobasidium pullulans</i>	apu	Fungi	10809	10809	15.75	1456.93	25431143	25.43	4032	384182	0.38	10846761	10.85
422	<i>Acidomyces richmondensis</i>	ari	Fungi	11202	11202	14.75	1316.93	26957315	26.96	10709	4211959	4.21	13782311	13.78
423	<i>Baudoinia compniacensis</i>	bco	Fungi	10513	10513	13.98	1330.24	21630208	21.63	2790	252785	0.25	8573202	8.57
424	<i>Mycosphaerella graminicola</i>	mgr	Fungi	10931	10931	16.49	1508.29	32286447	32.29	10513	7416090	7.42	18206612	18.21
425	<i>Septoria musiva</i>	smu	Fungi	10233	10233	15.1	1475.52	25821823	25.82	22924	3673259	3.67	12256511	12.26
426	<i>Cladosporium fulvum</i>	cftu	Fungi	14127	14127	19.96	1423.81	45546787	45.55	16598	28202286	28.2	27379641	27.38
427	<i>Cercospora zeae</i>	cze	Fungi	12020	12020	16.77	1395.44	36469673	36.47	13009	12974251	12.97	21462673	21.46
428	<i>Zasmidium cellare</i>	zce	Fungi	16015	16015	23.58	1472.17	37610824	37.61	7116	703539	0.7	16168396	16.17
429	<i>Dothistroma septosporum</i>	dse	Fungi	12580	12580	16.59	1318.95	29014387	29.01	4754	1111343	1.11	13717177	13.72
430	<i>Hysterium pulicare</i>	hpu	Fungi	12352	12352	21.25	1720.69	37892795	37.89	6098	475939	0.48	19185039	19.19
431	<i>Rhytidhysteron rufulum</i>	rhu	Fungi	12117	12117	20.52	1693.6	39378424	39.38	13417	766338	0.77	21282637	21.28
432	<i>Leptosphaeria maculans</i>	lpm	Fungi	12469	12469	17.92	1437.4	29059334	29.06	15445	15985212	15.99	13589732	13.59
433	<i>Didymella exigua</i>	dex	Fungi	12394	12394	17.39	1403.41	29640604	29.64	7919	4903061	4.9	14295569	14.3
434	<i>Phaeosphaeria nodorum</i>	pno	Fungi	12391	12391	17.48	1413.21	34517805	34.52	5709	2972344	2.97	19000366	19
435	<i>Setosphaeria turcica</i>	set	Fungi	11702	11702	17.77	1518.84	36452061	36.45	27221	7072986	7.07	20807251	20.81
436	<i>Cochliobolus heterostrophus</i>	che	Fungi	13336	13336	19.09	1431.77	32713176	32.71	11922	3813729	3.81	15937264	15.94
437	<i>Pyrenophora teres</i>	pte	Fungi	11799	11799	17.95	1521.73	31815473	31.82	15396	2799480	2.8	16037616	16.04
438	<i>Cladonia grayi</i>	clg	Fungi	11415	11415	17.47	1530.78	37665423	37.67	12841	1908811	1.91	22788657	22.79
439	<i>Xanthoria parietina</i>	xpa	Fungi	10818	10818	16.18	1495.72	27065826	27.07	7357	4927038	4.93	13215639	13.22
440	<i>Aspergillus nidulans</i>	ani	Fungi	10534	10534	17.29	1641.51	28776867	28.78	5059	1054466	1.05	13851099	13.85
441	<i>Aspergillus niger</i>	ang	Fungi	14068	14068	22.01	1564.68	33751011	33.75	10111	635579	0.64	15410013	15.41
442	<i>Eurotium herbariorum</i>	ehe	Fungi	10076	10076	15.35	1523.84	24981845	24.98	9575	1225720	1.23	11371921	11.37
443	<i>Penicillium chrysogenum</i>	pec	Fungi	11396	11396	18.08	1586.22	29519849	29.52	7834	1825238	1.83	13620005	13.62
444	<i>Amorphotheca resinae</i>	are	Fungi	9642	9642	14.72	1526.48	24842721	24.84	10926	3809971	3.81	11786248	11.79
445	<i>Oidiodendron maius</i>	oma	Fungi	16703	16703	24.29	1454.48	43160455	43.16	10838	3362470	3.36	21914535	21.91
446	<i>Botrytis cinerea</i>	bci	Fungi	16447	16447	19.95	1213.2	41138957	41.14	19522	1508449	1.51	25008582	25.01
447	<i>Sclerotinia sclerotiorum</i>	scs	Fungi	10175	10175	13.54	1330.35	24940118	24.94	15327	2356090	2.36	14336008	14.34
448	<i>Daldinia eschscholtzii</i>	des	Fungi	11173	11173	17.44	1561.34	36681397	36.68	13780	841130	0.84	21159658	21.16
449	<i>Hypoxyylon sp</i>	hyp	Fungi	12261	12261	18.65	1520.79	46525513	46.53	11301	739787	0.74	29855927	29.86
450	<i>Acremonium alcalophilum</i>	aal	Fungi	9521	9521	15.9	1670.49	24714930	24.71	17382	29724024	29.72	12027094	12.03
451	<i>Verticillium dahliae</i>	vda	Fungi	10535	10535	16.8	1594.73	32190928	32.19	12104	1630885	1.63	17462916	17.46
452	<i>Trichoderma citrinoviride</i>	tci	Fungi	9397	9397	15.76	1677.11	32730287	32.73	13060	719011	0.72	19148903	19.15
453	<i>Fusarium oxysporum</i>	fox	Fungi	17696	17696	23.44	1388.28	45009234	45.01	15581	12714226	12.71	26773609	26.77
454	<i>Gibberella moniliformis</i>	gmf	Fungi	14166	14185	19.82	1417.43	40553967	40.55	8746	537475	0.54	23011211	23.01
455	<i>Nectria haematoxocca</i>	nha	Fungi	15705	15705	24.19	1612.4	45837051	45.84	10514	1492953	1.49	24267725	24.27
456	<i>Magnaporthe poae</i>	mpo	Fungi	11209	11370	17.07	1522.57	38465110	38.47	16738	1010781	1.01	24169443	24.17
457	<i>Cryptonectria parasitica</i>	crp	Fungi	11604	11604	17.2	1482.31	37955623	37.96	22582	5974753	5.97	23542513	23.54
458	<i>Chaetomium globosum</i>	cgl	Fungi	11124	11124	19.68	1770.29	31476769	31.48	14668	3420495	3.42	16541243	16.54
459	<i>Mycelopithora thermophila</i>	mth	Fungi	9108	9108	14.77	1621.78	27371190	27.37	18050	11403007	11.4	24888497	24.89
460	<i>Thielavia terrestris</i>	tte	Fungi	9813	9813	15.51	1580.98	28446702	28.45	16388	8457755	8.46	25770056	25.77
461	<i>Neurospora crassa</i>	ncr	Fungi	9820	9839	16.51	1681.57	35756330	35.76	24104	3897579	3.9	21749002	21.75