

**Table SMO. Descriptors of genome-wide features for intronic sequences, as estimated by the GenomeContent program, from 461 gene annotations and genome sequences**

Lozada-Chávez I., Stadler, P.F., and Prohaska, S.J. (2018).bioRxiv,doi.org/10.1101/283549. Re-submitted (2022)

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>

		INTRONIC SEQUENCES FROM PROTEIN-CODING GENES																			
ORDER_ALL	SPECIES_NAME	ABBREV_NAME	KINGDOM	GENES_with_INTRONS_%	INTRON_NUMBER	INTRON_DENSITY	AVG_SIZE_nts	WEIGHT_AVG_SIZE_nts	SIZE_Q_DOWN_nts	SIZE_Q1_nts	SIZE_Q2_MEDIAN_nts	SIZE_Q3_nts	SIZE_Q_UP_nts	SIZE_LOWER_FENCE_nts	SIZE_UPPER_FENCE_nts	INTRON_CONTENT_nts	INTRON_CONTENT_MBS	REPEATS_I_NTNS	REPEATS_I_BS	NON_REPEATITIVE_NTNS	NON_REPEATITIVE_MBS
1	<i>Thecamonas trahens</i>	tht	Protist	59.13	8355	1.34	207.82	213.36	28	50	114	274	635	-286	610	1736343	1.74	319100	0.32	1417243	1.42
2	<i>Sphaeroforma arctica</i>	sar	Protist	60.7	45197	4.06	578.27	566.59	126	265	731	1385	-434	1430	26136054	26.14	2475674	2.48	23660380	23.66	
3	<i>Capsaspora owczarzaki</i>	cow	Protist	83.16	32115	4.41	156.02	196.98	67	86	104	138	481	8	216	5010549	5.01	809500	0.81	4201049	4.2
4	<i>Salpingoeca rosetta</i>	sro	Protist	90.14	85644	8.17	251.45	275.02	128	179	223	275	399	35	419	21633525	21.54	9140860	9.14	12394395	12.39
5	<i>Monosiga brevicollis</i>	mbr	Protist	88.65	59689	7.32	170.72	222.58	72	93	113	147	400	12	228	10189779	10.19	691028	0.69	9498751	9.5
6	<i>Mimicaria leidyi</i>	mle	Metazoa	68.6	71998	6.54	882.21	945.66	118	173	275	377	3674	-673	1583	61397274	61.4	10805624	10.81	50591650	50.59
7	<i>Amphimedon queenslandica</i>	aqu	Metazoa	67.99	133732	6.58	251.69	299.17	44	51	78	222	912	-205.5	478.5	32048965	32.05	12820469	12.82	19228496	19.23
8	<i>Trichoplax adhaerens</i>	tad	Metazoa	84.06	84914	8.77	282.88	408.77	72	94	134	256	930	-149	499	24020444	24.02	829644	0.83	23190800	23.19
9	<i>Acropora digitifera</i>	adi	Metazoa	78.74	112444	5.48	951.28	1012.69	105	323	622	1192	2820	-980.5	2495.5	10611063	106.11	29845574	29.85	76265029	76.27
10	<i>Nematostella vectensis</i>	nve	Metazoa	68.36	113872	6.11	800.43	1002.83	82	232	437	817	2605	-645.5	1694.5	91080180	91.08	29475017	29.48	61605163	61.61
11	<i>Hydrina magnipapillata</i>	hma	Metazoa	69.74	93259	4.14	1899.56	2019.72	78	141	542	2533	8469	-3447	6121	17823212	178.23	95170760	95.72	82515066	82.52
12	<i>Thelophanelus kitauaei</i>	tki	Metazoa	69.35	31100	2.99	250.06	304.24	20	21	22	54	1214	-28.5	103.5	7776725	7.78	2135168	2.14	5641557	5.64
13	<i>Adineta vaga</i>	ava	Metazoa	86.71	202176	4.73	99.26	121.12	48	53	57	64	271	36.5	80.5	20067257	20.07	2034591	2.03	18032666	18.03
14	<i>Clonorchis sinensis</i>	cis	Metazoa	87.07	79765	6.72	2758.68	3171.64	63	674	1749	3510	8733	-3580	7764	21982575	219.88	56022528	56.02	163860047	163.86
15	<i>Schistosoma mansoni</i>	sma	Metazoa	69.44	51736	6.47	2431.54	2632.07	34	617	1559	2894	7911	-2798.5	6309.5	11622608	116.23	51161046	51.16	65071562	65.07
16	<i>Helobdella robusta</i>	hro	Metazoa	87.21	115292	5.64	531.01	655.7	76	148	258	470	1718	-335	953	61217403	61.22	22864795	22.86	38352608	38.35
17	<i>Capitella teleta</i>	cte	Metazoa	77.18	137952	5.51	360.63	519.22	48	53	61	251	1597	-244	548	49747400	49.75	1312836	13.13	36614564	36.61
18	<i>Octopoda bimaculoides</i>	oct	Metazoa	58.16	158189	7.05	3119.88	3576.99	191	775	1464	3054	11889	-2643.5	6472.5	310104162	310.1	14277445	142.77	167329747	167.33
19	<i>Pinctada fucata</i>	pfu	Metazoa	80.91	176642	6.56	1442.07	1710.86	153	351	692	1600	5271	-1522.5	3473.5	254857473	254.86	104428055	104.43	150429418	150.43
20	<i>Crassostrea gigas</i>	cgi	Metazoa	82.58	159104	7.39	1083.91	1510.19	101	208	401	1047	4605	-1050.5	2305.5	17245316	172.45	55184167	55.18	117269749	117.27
21	<i>Biomphalaria glabrata</i>	bgl	Metazoa	85.09	71736	5.96	1696.1	1773.75	93	293	781	1830	6664	-2012.5	4135.5	114270675	114.27	44369352	44.37	69901323	69.9
22	<i>Lottia gigantea</i>	lgi	Metazoa	76.84	115977	6.33	776.52	1042.09	142	251	366	605	2441	-280	1136	90026854	90.03	21765807	21.77	68261047	68.26
23	<i>Trichinella spiralis</i>	tsp	Metazoa	86.64	67368	5.03	200.56	226.7	37	60	84	212	735	-188	440	13507607	13.51	2177187	2.18	11330420	11.33
24	<i>Pristionchus pacificus</i>	ppr	Metazoa	98.91	227234	7.87	205.48	218.31	43	61	121	239	664	-206	506	46524788	46.52	7687895	7.69	38836893	38.84
25	<i>Caenorhabditis elegans</i>	cel	Metazoa	96.81	104966	5.28	304.27	285.92	44	48	64	323	1150	-364.5	735.5	31133380	31.13	7290003	7.29	23843377	23.84
26	<i>Strongyloides ratti</i>	srt	Metazoa	89.05	20723	7.56	331.09	472.9	54	61	69	189	1361	-131	381	33007863	33.01	467131	0.47	3365048	3.37
27	<i>Ascaris suum</i>	asu	Metazoa	96.18	99942	5.6	1024.9	1057.13	168	434	692	1106	2730	-574	2114	101809788	101.81	2923232	2.92	98886466	98.89
28	<i>Loa loa</i>	loa	Metazoa	89.72	79849	5.47	291.8	323.94	80	144	234	361	698	-181.5	686.5	23299961	23.3	920411	0.92	22379550	22.38
29	<i>Brugia malayi</i>	bma	Metazoa	90.91	81835	6.7	332.65	386.65	80	140	226	354	855	-181	675	26694816	26.69	1989841	1.99	24704976	24.7
30	<i>Ixodes scapularis</i>	iss	Metazoa	69.13	66357	4.69	292.93	3384.56	86	666	1616	3546	10004	-3654	7866	194499246	194.5	80338768	80.34	114160478	114.16
31	<i>Metaseiulus occidentalis</i>	mcc	Metazoa	83.35	51716	5.43	646.03	650.37	83	104	133	250	2188	-115	469	32281864	33.28	1202900	1.2	32078956	32.08
32	<i>Tetranymphus urticans</i>	tur	Metazoa	78.03	41740	2.94	453.14	372.44	53	70	92	216	1629	-149	435	18466904	18.47	1542006	1.54	16924898	16.92
33	<i>Stegodaphys mimosarum</i>	smm	Metazoa	73.28	88331	4.44	6374.96	8270.51	108	1551	3852	7577	19772	-7488	16616	563106895	56.11	281731878	281.73	281375017	281.38
34	<i>Sarcopeltis scabiei</i>	sas	Metazoa	78.07	20175	2.47	150.82	145.95	40	59	70	97	431	2	154	3010012	3.01	189035	0.19	2820977	2.82
35	<i>Serganiya maritima</i>	stm	Metazoa	89.05	100911	7.56	331.09	472.9	54	61	69	189	1361	-131	381	33007863	33.01	9697407	9.7	23310456	23.31
36	<i>Lingula anatina</i>	lgm	Metazoa	86.48	222425	7.54	781.78	1005.9	170	264	371	622	2795	-273	1159	173886020	173.89	33060922	33.06	140825098	140.83
37	<i>Daphnia pulex</i>	dpp	Metazoa	81.18	107823	4.3	284.41	342.38	57	65	75	136	1026	-41.5	242.5	30652753	30.65	6066384	6.07	24586370	24.59
38	<i>Acyrtosiphon pisum</i>	api	Metazoa	91.46	64690	6.9	1099.76	1458.05	60	72	123	785	4145	-997.5	1854.5	70905023	70.91	16242065	16.24	54662958	54.66
39	<i>Nilaparvata lugens</i>	nil	Metazoa	62.71	82019	3.58	2584.67	2764.23	76	684	1349	2894	9312	-2631	6209	205497546	205.5	1232063	12.32	193176910	193.18
40	<i>Diaphorina citri</i>	di	Metazoa	88.15	79988	4.7	1711.56	1824.1	109	325	548	1195	7645	-980	2500	134410207	134.41	46177052	46.18	88233155	88.23
41	<i>Rhodnius prolixus</i>	rpr	Metazoa	81.58	71372	5.67	1302.57	1816.14	75	113	510	1203	4440	-1522	2838	92132700	92.13	20832460	20.83	71300240	71.3
42	<i>Pediculus humanus</i>	phu	Metazoa	94.81	57262	5.61	252.06	232.01	68	80	92	159	913	-38.5	277.5	16809774	16.81	3634857	3.63	13174917	13.17
43	<i>Locusta migratoria</i>	loc	Metazoa	81.68	82334	5.73	11645.55	13440.55	91	1800	6122	39298	-16230	31850	939840850	50.75	510526685	51.03	424814165	42.81	
44	<i>Zoeteromys nevadensis</i>	zoo	Metazoa	79.99	70737	6.13	1474.31	1715.25	115	403	749	1337	4684	-998	2738	103139018	103.14	23641866	23.64	79497152	79.5
45	<i>Nasonia vitripennis</i>	nvi	Metazoa	93.83	59629	5.84	1065.72	1181.94	66	76	87	264	3048	-206	546	62533367	62.53	7148978	7.15	55384389	55.38
46	<i>Ceratosolen solmsi</i>	cso	Metazoa	93.25	56953	6.22	1843.52	1947.3	69	98	322	939	6077	-1163.5</td							

		Genome-wide features   INTRONS																			
63	<i>Tribolium castaneum</i>	tct	Metazoa	80.75	54341	4.07	1179.13	1553.48	44	48	55	627	4960	-820.5	1495.5	62323388	62.32	15950265	15.95	46373123	46.37
64	<i>Dendroctonus ponderosae</i>	dpn	Metazoa	91.08	62878	5.27	532.76	615.13	50	56	66	345	2885	-377.5	778.5	33253461	33.25	5794971	5.79	27458490	27.46
65	<i>Plutella xylostella</i>	pxy	Metazoa	78.48	97348	6.85	1216.14	1395.49	91	285	439	926	5039	-676.5	1887.5	118145223	118.15	37728052	37.73	80417171	80.42
66	<i>Bombyx mori</i>	bmo	Metazoa	82.74	63816	5.27	1086.29	1161.4	86	394	719	1263	3420	-909.5	2566.5	69290257	69.29	30142372	30.14	39147885	39.15
67	<i>Manduca sexta</i>	mrx	Metazoa	87.66	176932	7.35	1420.26	1683.84	82	251	449	968	4974	-824.5	2043.5	116400532	116.4	28130672	28.13	88269960	88.27
68	<i>Operophtera brumata</i>	opb	Metazoa	83.01	60478	4.31	1811.38	2016.11	62	415	1024	2142	6271	-2175.5	4732.5	108683848	108.68	63120434	63.12	45563415	45.56
69	<i>Chilo suppressalis</i>	chu	Metazoa	85.86	26196	3.01	820.96	866.56	80	221	534	1083	2482	-1072	2376	21476253	21.48	6791247	6.79	14685006	14.69
70	<i>Papilio glaucus</i>	pgl	Metazoa	82.47	74480	5.76	1274.97	1354.68	79	270	490	908	3917	-687	1865	93813265	93.81	22303066	22.3	71510199	71.51
71	<i>Papilio polytes</i>	ppo	Metazoa	90.07	75950	6.92	1147.82	1242.17	76	183	387	702	3293	-595.5	1480.5	85883739	85.88	2101380	21.01	64872359	64.87
72	<i>Lerema accius</i>	lae	Metazoa	89.21	83360	5.37	1122.38	1100.8	78	227	378	698	3616	-479.5	1404.5	92244812	92.24	14456771	14.46	77788041	77.79
73	<i>Phoebis sennae</i>	phs	Metazoa	81.34	79250	5.91	1080.07	1107.28	78	268	479	857	3362	-615.5	1740.5	84580466	84.58	22439694	22.44	62140772	62.14
74	<i>Calycopis cecrops</i>	cce	Metazoa	93.9	84003	5.44	1970.39	1983.29	78	378	731	1522	6657	-1338	3238	163997661	164	64687207	64.69	99310454	99.31
75	<i>Danaus plexippus</i>	dpl	Metazoa	85.51	78850	5.67	762.86	1188.7	71	126	282	578	2664	-552	1256	58678050	58.68	6427157	6.43	52250893	52.52
76	<i>Heliconius melpomene</i>	hme	Metazoa	89.06	68644	6.1	959.44	1147.85	83	239	423	821	3399	-634	1694	65477574	65.48	19399499	19.4	46078075	46.08
77	<i>Melitaea cinxia</i>	mcx	Metazoa	94.92	72602	4.59	1532.59	1732.04	72	237	623	1569	5464	-1761	3567	105580082	105.58	31543917	31.54	74036165	74.04
78	<i>Plebotomus papatasii</i>	ppt	Metazoa	82.76	21253	2.3	1253.67	1255.98	57	68	2139	4835	-3038.5	2545.5	26325409	26.33	11615324	11.62	14710085	14.71	
79	<i>Lutzomyia longipalpis</i>	llo	Metazoa	89.48	32860	3.63	960.06	936.54	60	72	169	4014	-1531.5	2744.5	30814707	30.81	5469969	5.47	25344738	25.34	
80	<i>Drosophila melanogaster</i>	dme	Metazoa	77.3	42363	3.94	924.12	706.53	54	60	299	3775	-298.5	657.5	37774922	37.77	6402089	6.4	31372833	31.37	
81	<i>Anopheles gambiae</i>	aga	Metazoa	86.02	36242	3.39	1096.99	992.92	61	73	91	397	5637	-413	883	38743341	38.74	5928419	5.93	32814922	32.81
82	<i>Anopheles darlingi</i>	ada	Metazoa	86.97	35801	3.6	1237	1089.4	64	85	2338	3533	-3294.5	5717.5	44285726	44.29	1798350	1.8	42487376	42.49	
83	<i>Aedes aegypti</i>	aae	Metazoa	84.47	30574	3.37	4780.56	4629.79	56	63	147	6124	21863	-9028.5	15215.5	145143978	145.14	112260584	112.26	32883394	32.88
84	<i>Culex pipiens</i>	cpq	Metazoa	87.13	49386	3	1569.32	1530.2	53	61	102	1124	8023	-1533.5	2718.5	77208272	77.21	42562433	42.56	34645839	34.65
85	<i>Belicula antarctica</i>	ban	Metazoa	83.97	38566	3.4	310.73	308.13	52	57	65	213	1399	-177	447	11809861	11.81	309013	0.31	11500648	11.5
86	<i>Glossina morsitans</i>	gmr	Metazoa	86.32	44744	4.21	1434.49	1518.46	55	64	86	892	6765	-1178	2134	63243435	63.24	14376106	14.38	48867329	48.87
87	<i>Musca domestica</i>	mud	Metazoa	82.62	45895	3.86	3125.96	2905.6	57	64	88	1985	14318	-2817.5	4866.5	141933084	141.93	56859687	56.86	76073397	76.07
88	<i>Lucilia cuprina</i>	lcu	Metazoa	84.37	49353	4.05	2209.85	2132.68	56	65	117	1419	9155	-1966	3450	105818105	105.82	25529103	25.53	80289002	80.29
89	<i>Mayetiola destructor</i>	myd	Metazoa	79.13	80490	5.13	354.65	355.56	62	74	88	161	1635	-56.5	291.5	19534459	19.53	2767927	2.77	16766532	16.77
90	<i>Megaselia scalaris</i>	msc	Metazoa	80.91	19072	2.06	795.73	941.73	41	58	113	732	3482	-953	1743	14904329	14.9	2383848	2.38	12520481	12.52
91	<i>Ptychoderida flava</i>	pfi	Metazoa	76.84	159980	6.01	3399.81	4126.73	208	503	1040	3231	14935	-3589	7323	543900963	543.9	182880215	18.88	361020748	361.02
92	<i>Saccoglossus kowalevskii</i>	sko	Metazoa	94.13	124828	11.93	1339.24	1554.44	121	303	608	1374	5214	-1303.5	2980.5	65734286	65.73	25930627	25.93	39803659	39.8
93	<i>Strongylocentrotus purpuratus</i>	spu	Metazoa	83.83	153333	6.34	1710.27	2107.67	273	505	752	1295	5033	-680	2480	23242434	23.42	84730194	84.73	147694140	147.69
94	<i>Branchiostoma floridae</i>	bfl	Metazoa	84.67	171052	7.06	1290.2	1630.37	151	343	536	1041	4773	-704	2088	220668091	220.69	78586695	78.59	142099396	142.1
95	<i>Oikopleura dioica</i>	odi	Metazoa	94.6	69200	4.27	158.42	160.44	39	42	47	114	542	-66	222	10962897	10.96	2595556	2.6	8367347	8.37
96	<i>Ciona intestinalis</i>	cit	Metazoa	86.61	89243	6.19	460.25	498.4	59	202	326	485	1163	-222.5	909.5	40129918	40.13	10631585	10.63	29498333	29.5
97	<i>Ciona savignyi</i>	csg	Metazoa	92.28	77060	7.19	641.05	703.51	59	237	433	711	1782	-474	1422	48551300	48.55	14346685	14.35	34204615	34.2
98	<i>Petromyzon marinus</i>	pma	Metazoa	94.34	78250	7.96	1495.01	1604.63	103	397	783	1522	4796	-1290.5	3209.5	115182740	115.18	48707910	48.71	66473030	66.47
99	<i>Danio rerio</i>	dre	Metazoa	93.11	21858	8.95	2770.42	3270.37	80	139	987	2557	9554	-3488	6184	59525819	59.52	337557210	33.75	259507629	259.51
100	<i>Astyanax mexicanus</i>	amx	Metazoa	92.29	191043	8.73	2562.34	3186.17	94	220	835	1827	10075	-2190.5	4237.5	486974892	48.67	134193747	13.49	352781145	352.78
101	<i>Esox lucius</i>	elu	Metazoa	94.45	218997	9.55	1610.51	1903.81	91	157	367	1210	6358	-1422.5	2789.5	351636794	351.64	98196180	98.2	253440614	253.44
102	<i>Gadus morhua</i>	gmo	Metazoa	95.1	188899	9.88	1463.55	1636.04	42	159	419	4891	1228.5	-1228.5	2471.5	272162460	27.21	42840977	42.84	229321483	229.32
103	<i>Tetraodon nigroviridis</i>	tnr	Metazoa	95.82	182202	9.71	494.42	601.9	63	82	121	358	1837	-332	772	89404019	89.4	6807061	6.81	82593350	82.59
104	<i>Takifugu rubripes</i>	tru	Metazoa	96.31	205582	11.53	537.94	578.02	53	83	143	429	1978	-436	948	110097842	11.04	8457755	8.46	101640090	101.64
105	<i>Gasterosteus aculeatus</i>	gac	Metazoa	94.27	195040	9.96	745.01	887.22	74	104	218	608	2661	-652	1364	14148559	14.19	17367753	17.37	126817845	126.82
106	<i>Cynoglossus semiaeleva</i>	cys	Metazoa	93.79	204010	10.12	957.72	1126.56	79	102	235	687	3463	-775.5	1564.5	194438338	19.44	20743859	20.74	173694479	173.69
107	<i>Larimichthys crocea</i>	lcr	Metazoa	94.46	210309	9.97	1209.9	1454.36	82	110	269	939	4520	-1133.5	2182.5	253705443	253.71	27019961	27.02	226685482	226.69
108	<i>Oryzias latipes</i>	ola	Metazoa	94.29	180867	9.74	1177.44	1574.36	69	91	251	1028	4269	-1314.5	2433.5	241930750	241.93	37064116	37.06	20486634	204.87
109	<i>Xiphophorus maculatus</i>	xma	Metazoa	94.88	193726	9.51	1358.01	1542.69	84	128	397	963	4460	-1124.5	2215.5	204370101	204.37	42055242	42.06	162314859	162.31
110	<i>Notothenia coriiceps</i>	nco	Metazoa	93.31	158232	6.84	1358.01	1542.69	84	128	397	963	4460	-1336.5	2531.5	26414738	26.41	55591038	55.59	230823700	230.82
111	<i>Oreochromis niloticus</i>	oni	Metazoa	94.78	213315	10.15	1348.92	1583.62	79	114	316										

		Genome-wide features   INTRONS																			
143	<i>Egretta garzetta</i>	ega	Metazoa	93.72	139081	10.49	3031.56	3681.3	110	465	1000	2247	10739	-2208	4920	420793030	420.79	25172622	25.17	395620408	395.62
144	<i>Aptenodytes forsteri</i>	afo	Metazoa	93.6	144560	10.45	3080.19	3671.03	107	453	994	2266	11149	-2266.5	4985.5	444368413	444.37	21335561	21.34	423032852	423.03
145	<i>Pygoscels adeliae</i>	pya	Metazoa	93.84	136115	10.56	3165.22	3831.51	119	494	1034	2325	11346	-2252.5	5071.5	429991257	249.99	22405111	22.41	407586146	407.59
146	<i>Falco cherug</i>	fch	Metazoa	90.68	125625	8.66	2264.13	2762.95	105	446	995	2292	8838	-2323	5061	283972385	283.97	11934148	11.93	272038237	272.04
147	<i>Melopsittacus undulatus</i>	mun	Metazoa	81.62	115190	9.12	2464.92	2956.3	101	431	912	1998	9271	-1919.5	4348.5	283098557	283.1	21427202	21.43	261671355	261.67
148	<i>Manacus vitellinus</i>	mvi	Metazoa	94.31	136284	10.28	2753.3	3313.26	103	418	888	1995	9815	-1947.5	4360.5	374757360	374.76	23816962	23.82	350940394	350.94
149	<i>Corvus brachyrhynchos</i>	cob	Metazoa	94.38	143017	10.55	2706.09	3267.88	97	391	854	1935	9555	-1925	4251	386156463	386.16	25612187	25.61	360544276	360.54
150	<i>Taeniopygia guttata</i>	tgu	Metazoa	90.99	129599	8.59	2678.45	3709.62	88	368	828	1886	9580	-1909	4163	334485408	334.49	24165791	24.17	310319617	310.32
151	<i>Serinus canaria</i>	sca	Metazoa	92.18	141539	10.39	2673.45	3179.97	95	392	849	1894	9482	-1861	4147	377109883	377.11	26865477	26.86	350253406	350.25
152	<i>Zonotrichia albicollis</i>	zal	Metazoa	93.22	134093	10.41	2847.99	3436.84	101	425	906	2062	10354	-2030.5	4517.5	380793592	380.79	25151451	25.15	355642141	355.64
153	<i>Ficedula albicollis</i>	fil	Metazoa	93.94	149764	10.24	2784.09	3231.88	92	387	879	2018	9927	-2059.5	4464.5	416151102	416.15	40465850	40.47	375685252	375.69
154	<i>Pseudopodus humilis</i>	phm	Metazoa	90.5	131686	8.56	2414.32	3061.32	92	374	822	1833	8895	-1814.5	4021.5	31189950	311.9	18757143	18.76	293142807	293.14
155	<i>Geositta fortis</i>	gfo	Metazoa	94.36	139415	10.59	2687.38	3268.45	98	412	873	1933	9514	-1869.5	4214.5	373967582	373.97	26505527	26.51	347462055	347.45
156	<i>Picoides pubescens</i>	ppu	Metazoa	94.09	137650	10.35	3007.74	3699.71	104	479	1028	2237	10385	-2158	4874	413094586	413.09	90597380	90.96	322137206	322.14
157	<i>Haliaeetus leucocephalus</i>	hi	Metazoa	94.02	151795	10.6	2876.37	3385.67	97	396	907	2086	10393	-2139	4621	435556074	435.56	22367531	22.37	413188543	413.19
158	<i>Aquila chrysaetos</i>	aqc	Metazoa	93.81	155655	10.6	2884.76	3382.95	97	398	915	2102	10534	-2158	4658	477884359	477.88	24053641	24.05	423830718	423.83
159	<i>Ornithorhynchus anatinus</i>	oan	Metazoa	93.45	139331	6.88	2942.79	3263.56	91	417	1083	2462	9914	-2650.5	5529.5	404693313	404.69	155096802	155.1	249596511	249.6
160	<i>Macropus eugenii</i>	meu	Metazoa	92.73	150535	10.62	2861.14	3117.76	69	245	1003	3045	12001	-3955	7245	430108838	430.11	133747295	133.75	296361543	296.36
161	<i>Sarcophilus harrisii</i>	sha	Metazoa	87.4	156331	9.53	3860.25	4344.41	100	444	1279	3364	14722	-3936	7744	601373422	601.37	202218508	202.22	399154914	399.15
162	<i>Monodelphis domestica</i>	mdf	Metazoa	82.87	163786	9.27	6379.4	8401.52	108	559	1678	4603	25875	-5507	10669	1023411577	1023.41	467341952	467.34	556069625	556.07
163	<i>Loxodontina africana</i>	laf	Metazoa	85.28	166866	9.77	4380.93	4920.91	88	383	1201	3309	17017	-4006	7698	725893243	725.89	333605947	333.61	392287296	392.29
164	<i>Myotis lucifugus</i>	mlu	Metazoa	87.96	159394	9.19	2892.32	3167.46	90	382	1104	2666	10654	-3044	6092	459445909	459.45	159330699	159.33	300115210	300.12
165	<i>Pteropus alecto</i>	pal	Metazoa	82.21	154555	8.79	3686.89	4859.7	96	433	1211	3042	14009	-3480.5	6955.5	551352628	551.35	142373822	142.37	40897806	408.96
166	<i>Equus caballus</i>	eca	Metazoa	83.27	162509	9.55	3832.9	4845.54	92	407	1188	3048	14392	-3554.5	7009.5	614951004	614.95	188493857	188.49	426457147	426.46
167	<i>Camelus ferus</i>	cfe	Metazoa	91.27	164948	9.79	3712.46	4314.99	97	428	1179	2893	12982	-3269.5	6590.5	60987131	609.89	151545118	151.55	458342013	458.34
168	<i>Sus scrofa</i>	ssc	Metazoa	88.62	157344	8.22	3580.75	4714.66	92	369	1168	2968	12777	-3529.5	6866.5	559874140	559.99	201718368	201.18	354809042	354.81
169	<i>Bos taurus</i>	bta	Metazoa	87.21	169348	9.72	3972.3	4492.29	92	396	1173	3103	14736	-3664.5	7163.5	669401941	669.4	57866249	57.87	411535692	411.54
170	<i>Ovis aries</i>	oar	Metazoa	84.07	141424	8.28	3932.69	4928.53	96	438	1267	3303	15161	-3859.5	7600.5	553331174	553.33	185760665	185.76	367570509	367.57
171	<i>Capra hircus</i>	chi	Metazoa	83.89	156590	8.42	4042.12	4895.95	98	441	1287	3302	15613	-3850.5	7593.5	630424925	630.42	210417382	210.42	420007543	420.01
172	<i>Balaenoptera acutorostrata</i>	bac	Metazoa	79.41	146769	8.97	3652.52	4537.78	97	435	1267	3420	15331	-4042.5	7897.5	535065580	535.07	171085109	171.09	363980471	363.98
173	<i>Lipotes vexillifer</i>	lve	Metazoa	88.38	166165	9.94	4689.88	5325.27	96	430	1275	3402	17982	-4028	7860	777663717	777.66	217890641	217.89	505773076	505.77
174	<i>Orcinus orca</i>	oor	Metazoa	91.2	166871	10.06	5032.12	5765.89	96	435	1279	3440	19029	-4072.5	7947.5	835515696	835.52	265270473	265.27	570245226	570.25
175	<i>Cinclus familiaris</i>	cfa	Metazoa	86.25	169542	9.91	4446.37	5347.01	94	419	1244	3289	17124	-3886	7594	734608117	73.61	23699392	236.99	497614125	497.61
176	<i>Aliturropida melanoleuca</i>	aml	Metazoa	90.05	167370	9.62	3973.34	4827.21	90	384	1141	2973	14661	-3499.5	6865.5	634555565	6345.55	18389996	183.9	450655579	450.66
177	<i>Panthera tigris</i>	pig	Metazoa	90.44	166563	10.02	4503.13	5064.73	100	468	1345	3488	16830	-4062	8018	748227439	748.23	240093720	240.09	508133719	508.13
178	<i>Felis catus</i>	fca	Metazoa	89.29	164900	9.48	3760.1	4343.96	91	389	1178	3085	14148	-3655	7129	614044824	614.04	201086434	201.09	412958390	412.96
179	<i>Oryctolagus cuniculus</i>	ocu	Metazoa	86.3	159415	9.72	4406.23	4896.16	87	373	1247	3400	16305	-4167.5	7940.5	685834368	685.83	267489246	264.79	421045122	421.05
180	<i>Ictidomys tridecemlineatus</i>	itr	Metazoa	88.1	149000	8.98	3310.51	3865.92	88	357	1092	2768	11804	-3259.5	6384.5	491090844	491.09	132032806	132.03	359058038	359.06
181	<i>Cavia porcellus</i>	cpo	Metazoa	88.68	163048	9.85	3642.64	4281.67	82	328	1050	2753	13545	-3309.5	6390.5	587168607	587.17	173350559	173.35	413819048	413.82
182	<i>Rattus norvegicus</i>	rno	Metazoa	83.77	169127	8.81	4013.98	4819.92	88	389	1203	2973	14527	-3487	6849	672498971	672.5	204615072	204.62	467883899	467.88
183	<i>Mus musculus</i>	mmu	Metazoa	80.84	176799	9.67	4458.64	4976.27	95	447	1285	15889	13625.5	-3562.5	7129.5	781224532	781.22	252585233	252.59	528639299	528.64
184	<i>Tupaia chinensis</i>	tch	Metazoa	72.53	119440	6.98	3205.38	4000.08	90	378	1379	3786	13477	-4734	8898	367865266	367.86	143634315	143.63	224230951	224.23
185	<i>Microcebus murinus</i>	mmr	Metazoa	92.44	148800	9.86	4674.23	5069.78	89	347	1257	3427	18731	-4273	8047	693399604	693.4	130952587	130.95	562446477	562.45
186	<i>Macaca mulatta</i>	mmi	Metazoa	86.43	168518	8.91	5131.04	6276.55	88	400	1370	3722	18761	-4583	8705	841138161	841.14	32737561	323.77	517363600	517.36
187	<i>Callithrix jacchus</i>	cja	Metazoa	88.88	178151	9.55	4828.51	5179.29	87	398	1340	3636	18809	-4459	8493	839789276	839.78	321013149	321.01	518776127	518.78
188	<i>Pongo abelii</i>	pon	Metazoa	87.22	160102	8.99	5531.25	6243.6	95	479	1514	4039	20819	-4861	9379	878031252	878.03	336338617	336.34	541694435	541.69
189	<i>Gorilla gorilla</i>	ggo	Metazoa	87.44	170761																

Genome-wide features   INTRONS																					
223	<i>Panicum virgatum</i>	pvi	Viridiplanteae	73.87	216820	4.19	293.38	320.93	48	87	141	264	857	-178.5	529.5	56438517	56.44	5900310	5.9	50538207	50.54
224	<i>Setaria italica</i>	sit	Viridiplanteae	72.99	149573	5.05	324.25	372.8	48	86	135	247	832	-155.5	488.5	38293393	38.29	3430787	3.43	34862606	34.86
225	<i>Aquilegia coerulea</i>	aco	Viridiplanteae	83.12	212713	6.23	454.51	486.75	47	81	123	214	693	-118.5	413.5	44109946	44.11	5307706	5.31	38802240	38.8
226	<i>Nelumbo nucifera</i>	nnu	Viridiplanteae	79.12	110841	5.69	2042.57	1989.12	46	83	131	240	864	-152.5	475.5	225990860	225.99	106170168	106.17	119820692	119.82
227	<i>Beta vulgaris</i>	bvu	Viridiplanteae	64.46	192750	4.03	491.44	483.05	51	104	191	375	978	-302.5	781.5	94653479	94.65	34587179	34.59	60066300	60.07
228	<i>Actinidia chinensis</i>	ach	Viridiplanteae	81.28	139329	4.39	1177.04	1451.97	47	89	141	248	754	-149.5	486.5	163630916	163.63	40302922	40.3	123327994	123.33
229	<i>Coffea canephora</i>	cof	Viridiplanteae	80.18	104174	5.08	483.51	545.21	45	84	133	242	806	-153	479	50369243	50.37	6152763	6.15	44216480	44.22
230	<i>Mimulus guttatus</i>	mgu	Viridiplanteae	79.93	115585	5.11	277.79	332.3	48	84	133	242	768	-153	479	29718459	29.72	5525763	5.53	24192696	24.19
231	<i>Sesamum indicum</i>	ssi	Viridiplanteae	80.43	109880	5.74	445.25	526.43	47	84	132	242	849	-153	479	48842159	48.84	5400698	5.4	43441461	43.44
232	<i>Genlisea aerea</i>	gau	Viridiplanteae	76.59	62016	4.58	132.9	139.6	48	82	127	219	684	-123.5	424.5	8241821	8.24	504231	0.5	7737590	7.74
233	<i>Utricularia gibba</i>	ugi	Viridiplanteae	63.81	89158	4.9	179.12	218.07	51	90	146	273	797	-184.5	547.5	15969856	15.97	794223	0.79	15175633	15.18
234	<i>Nicotiana tabacum</i>	nta	Viridiplanteae	84.1	377856	5.26	819.99	995.46	45	81	124	219	723	-126	426	156867582	156.87	52359717	52.36	104507865	104.51
235	<i>Capsicum annuum</i>	cap	Viridiplanteae	59.84	77947	4.31	545.29	612.23	54	97	164	318	941	-234.5	649.5	42504005	42.5	8629877	8.63	33874128	33.87
236	<i>Solanum melongena</i>	sme	Viridiplanteae	83.13	354490	4.99	609.14	647.51	47	90	150	261	560	-166.5	517.5	21562475	215.68	14437659	144.38	71305096	71.31
237	<i>Solanum lycopersicum</i>	sly	Viridiplanteae	73.49	119966	4.7	540.3	591.19	45	84	136	247	753	-160.5	491.5	64812443	64.81	12491103	12.49	52321340	52.32
238	<i>Solanum tuberosum</i>	stu	Viridiplanteae	67.75	136575	3.92	575.45	734.57	48	88	146	271	834	-186.5	545.5	55220709	55.22	18686411	18.69	36534298	36.53
239	<i>Vitis vinifera</i>	vvi	Viridiplanteae	91.11	128236	5.34	977.28	1021.1	37	78	123	214	547	-126	418	125232092	125.32	50586704	50.59	74736388	74.74
240	<i>Eucalyptus grandis</i>	egr	Viridiplanteae	79.84	109866	5.16	423.42	471.96	47	84	133	240	756	-150	474	54251964	54.25	12636233	12.64	41615731	41.62
241	<i>Citrus clementina</i>	ccl	Viridiplanteae	77.62	101315	5.14	334.84	370.24	48	87	138	255	857	-165	507	33879034	33.88	4046073	4.05	298322961	29.83
242	<i>Crithmum sinense</i>	csi	Viridiplanteae	85.78	230760	5.83	339.41	371.99	47	81	123	212	659	-115.5	408.5	32008625	32.01	2176135	2.18	29832490	29.83
243	<i>Theobroma cacao</i>	tca	Viridiplanteae	79.3	165371	4.53	332.93	379.98	48	94	160	288	749	-197	579	55057367	55.06	14500314	14.5	40557053	40.56
244	<i>Gossypium raimondii</i>	gra	Viridiplanteae	86.86	402768	6	340.09	382.92	45	80	122	210	651	-115	405	50998976	51	918932	9.19	41809656	41.81
245	<i>Carica papaya</i>	cpp	Viridiplanteae	69.22	83522	4.35	480.23	484.36	45	84	134	239	710	-148.5	471.5	39826125	39.83	5607742	5.61	34218383	34.22
246	<i>Tarenaya hassleriana</i>	tah	Viridiplanteae	82.66	127294	5.7	239.99	309.27	46	83	130	238	793	-149.5	470.5	30385049	30.39	765533	3.77	26619510	26.62
247	<i>Aethionema arabicum</i>	aar	Viridiplanteae	77.38	137696	4.7	228.08	268.72	48	90	150	285	821	-202.5	577.5	31405327	31.41	7685407	7.69	23719920	23.72
248	<i>Thellungiella halophila</i>	tha	Viridiplanteae	80.35	129431	5.5	171.99	212.32	48	84	131	237	757	-145.5	466.5	19120729	19.12	1125238	1.13	17995491	18
249	<i>Brassica rapa</i>	brp	Viridiplanteae	78.07	164428	5.13	209.2	248.55	49	87	137	249	768	-156	492	34253301	34.25	5633472	5.63	28619829	28.62
250	<i>Sisymbrium irio</i>	sir	Viridiplanteae	79.59	177277	4.46	208.78	242.75	48	92	155	287	765	-200.5	579.5	37011431	37.01	9931065	9.93	27080366	27.08
251	<i>Leavenworthia alabamica</i>	lal	Viridiplanteae	81.98	161344	5.09	185.18	218.73	47	85	137	252	754	-165.5	502.5	29877411	29.88	5281581	5.28	24595830	24.6
252	<i>Capsella rubella</i>	cru	Viridiplanteae	78.55	119059	5.33	168.59	202.42	49	86	136	250	837	-160	496	18550978	18.55	746848	0.75	17804130	17.8
253	<i>Camelina sativa</i>	cam	Viridiplanteae	79.27	336306	5.21	226.6	298.39	47	85	136	260	861	-177.5	522.5	75447531	75.45	19944135	19.94	55503396	55.5
254	<i>Arabidopsis thaliana</i>	ath	Viridiplanteae	75.37	112480	5.49	156.91	187.72	48	84	134	246	816	-159	489	17163382	17.61	637522	0.64	16975860	16.98
255	<i>Arabidopsis lyrata</i>	aly	Viridiplanteae	76.67	121125	4.99	203.36	273.4	46	84	134	240	733	-150	474	24619737	24.62	4192136	4.19	20427601	20.43
256	<i>Populus trichocarpa</i>	ptr	Viridiplanteae	78.7	150938	4.64	326.16	347.28	47	85	138	250	810	-162.5	497.5	49140986	49.14	3689050	3.69	45451936	45.45
257	<i>Linum usitatissimum</i>	lus	Viridiplanteae	78.33	174315	5.12	273.82	363.25	51	89	141	260	762	-167.5	518.5	46889967	46.89	7377010	7.38	39512857	39.51
258	<i>Manihot esculenta</i>	mes	Viridiplanteae	78.91	137904	5.12	406.3	439.36	48	84	132	238	783	-147	469	47125876	47.13	3294144	3.29	43831732	43.83
259	<i>Ricinus communis</i>	rcu	Viridiplanteae	64.01	96687	4.84	379.32	388.24	47	86	139	257	846	-170.5	513.5	36674997	36.67	2690633	2.69	33984361	33.98
260	<i>Lotus japonicus</i>	lja	Viridiplanteae	61.98	60864	4.5	393.91	438.73	52	90	144	265	867	-172.5	527.5	23975155	23.98	3344049	3.34	20631106	20.63
261	<i>Medicago truncatula</i>	mtr	Viridiplanteae	75.6	134407	3.87	437.47	506.65	44	85	138	241	722	-149	475	54713166	54.71	16793135	16.79	37920031	37.92
262	<i>Cicer arietinum</i>	car	Viridiplanteae	71.79	110186	5.43	479.62	566.64	49	87	136	249	780	-156	492	52848034	52.85	13187924	13.19	39660110	39.66
263	<i>Cajanus cajan</i>	cca	Viridiplanteae	55.29	124582	4.63	540.98	609.53	53	96	165	315	845	-232.5	643.5	66503025	66.5	18658669	18.66	47844356	47.84
264	<i>Glycine max</i>	gma	Viridiplanteae	82.25	333749	5.53	488.65	554.05	46	82	127	225	721	-132.5	439.5	107452430	107.45	15675076	15.68	9177362	91.78
265	<i>Phaseolus vulgaris</i>	pvu	Viridiplanteae	80.34	142631	5.61	467.73	518.64	48	84	132	240	801	-150	474	53623432	53.62	7206872	7.21	46416560	46.42
266	<i>Citrullus lanatus</i>	cl	Viridiplanteae	69.29	83239	5.13	465.05	530.96	51	89	141	258	786	-164.5	511.5	36864762	36.88	5585150	5.59	33099603	33.11
267	<i>Cucumis melo</i>	cml	Viridiplanteae	68.16	114719	4.83	487.64	540.9	48	85	135	237	696	-143	465	39222131	39.22	6752025	6.75	32470106	32.47
268	<i>Cucumis sativus</i>	csa	Viridiplanteae	82.81	145906	5.8	434.58	483.6	47	81	124	217	665	-123	421	40117538	40.12	5033137	5.03	35084401	35.08
269	<i>Fragaria vesca</i>	fve	Viridiplanteae	82.49	133704	4.94	411.28	499.56	48	86	137	246	765	-154	486	54849335	54.85	12409437	12.41	4239988	42.44
270	<i>Prunus mume</i>	pmu	Viridiplanteae	71.24	112034	5.01	379.53	452.93	49	88	144	264	847	-176	528	41927819	41.93	831489	8.33	33596330	33.6
271	<i>Prunus persica</i>	ppc	Viridiplanteae	79.49	112415	4.93	314.54	357.7	49	87	141	261	815	-174	522	33667739	33.67	4615216	4.62	29052523	29.05
272	<i>Malus domestica</i>	mdo	Viridiplanteae	78.72	223435	4.84	407.36</td														

		Genome-wide features   INTRONS																				
303	<i>Neospora caninum</i>	nca	Protist	80.37	35555	6.21	465.23	470.12	137	309	432	570	870	-82.5	961.5	16541386	16.54	1027235	1.03	15514151	15.51	
304	<i>Toxoplasma gondii</i>	tgo	Protist	81.17	38829	5.86	499.45	506.06	107	327	470	633	954	-132	1092	19390782	19.39	1527675	1.53	17863107	17.86	
305	<i>Gregarina niphandrodes</i>	gni	Protist	36.86	3201	1.36	127.16	129.01	36	57	96	147	296	-78	282	404804	0.4	27483	0.03	377321	0.38	
306	<i>Hammondiella hammondi</i>	hha	Protist	79.08	38721	6.14	499.03	497.43	101	325	469	635	961	-140	1100	19322403	19.32	1578356	1.58	17744047	17.74	
307	<i>Babesia bovis</i>	bbo	Protist	59.6	6404	2.93	59.67	67.07	33	34	36	43	186	20.5	56.5	381869	0.38	36311	0.04	345558	0.35	
308	<i>Theileria annulata</i>	tan	Protist	70.28	10709	4.01	69.66	73.99	29	31	48	80	181	-42.5	153.5	745981	0.75	81132	0.08	664849	0.66	
309	<i>Theileria parva</i>	tpv	Protist	72.69	10214	3.48	93.9	105.04	29	33	63	109	266	-81	223	958885	0.96	109265	0.11	849620	0.85	
310	<i>Plasmodium vivax</i>	pvx	Protist	51.17	7415	2.87	189.88	201.14	100	134	165	210	356	20	324	1407866	1.41	98073	0.1	1309793	1.31	
311	<i>Plasmodium berghei</i>	pbe	Protist	50.44	7731	3.14	149.37	162.55	85	105	133	170	269	7.5	267.5	1152641	1.15	169098	0.17	983543	0.98	
312	<i>Plasmodium falciparum</i>	pla	Protist	53.83	8332	2.85	166.33	192.94	87	112	142	186	310	1	297	1383713	1.38	709800	0.71	673913	0.67	
313	<i>Aurantiochrysum limacinum</i>	ail	Protist	23.48	6331	1.81	503.63	491.16	36	82	138	285	1809	-222.5	589.5	3187008	3.19	361693	0.36	2825315	2.83	
314	<i>Blastocystis hominis</i>	bho	Protist	83.8	17730	3.51	50.53	53.56	28	30	31	33	47	25.5	37.5	895882	0.9	112800	0.11	783082	0.78	
315	<i>Saprolegnia parasitica</i>	sap	Protist	69.98	58712	4.18	58.38	66.21	41	45	49	53	74	33	65	3427306	3.43	162329	0.16	3264977	3.26	
316	<i>Albugo laibachii</i>	ala	Protist	61.96	28429	3.32	187.43	187.98	46	52	56	63	623	35.5	79.5	2628507	2.63	887741	0.89	1740766	1.74	
317	<i>Pythium ultimum</i>	pul	Protist	56.55	22696	2.62	115.19	124.31	46	76	86	100	251	40	136	2607032	2.61	155269	0.16	2451763	2.45	
318	<i>Hyaloperonospora arabidopsis</i>	hpa	Protist	47.27	13510	2	136.15	146.5	46	74	92	146	393	-34	254	1722962	1.72	410719	0.41	1312243	1.31	
319	<i>Phytophthora infestans</i>	pir	Protist	64.69	29692	2.58	122.87	123.35	45	63	73	105	455	0	168	3647907	3.65	1043084	1.04	2604823	2.6	
320	<i>Phytophthora ramorum</i>	pra	Protist	52.09	23755	2.92	132.17	152.91	32	64	74	111	368	-6.5	181.5	3139694	3.14	456170	0.46	2683524	2.68	
321	<i>Phytophthora sojae</i>	psj	Protist	58.41	32731	2.95	129.99	137.33	28	65	79	123	360	-22	210	4253987	4.25	1293281	1.29	2960706	2.96	
322	<i>Nanochloropsis gaditana</i>	nga	Protist	73.4	12784	2.38	217.91	221.8	69	113	161	234	525	-68.5	415.5	2767142	2.77	112519	0.11	2654623	2.65	
323	<i>Ectocarpus siliculosus</i>	esi	Protist	93.19	110731	7.3	697.72	772.55	191	357	531	800	1714	-307.5	1464.5	7713235	77.13	14158566	14.16	62973769	62.97	
324	<i>Aureococcus anophagefferens</i>	aan	Protist	48.27	14482	2.61	419.19	462.35	38	66	158	304	1572	-291	661	6070597	6.07	1469481	1.47	4601113	4.6	
325	<i>Thalassiosira oceanica</i>	toc	Protist	55.8	44169	2.29	148.35	151.49	56	72	92	169	425	-73.5	314.5	6549135	6.55	2832079	2.83	3717056	3.72	
326	<i>Thalassiosira pseudonana</i>	tps	Protist	59.51	17383	2.5	122.46	128.21	36	77	90	120	285	12.5	184.5	2128676	2.13	122246	0.12	2006430	2.01	
327	<i>Phaeodactylum tricornutum</i>	pti	Protist	44.39	7803	1.69	131.37	132.71	32	72	88	128	306	-12	212	1025089	1.03	96878	0.1	928211	0.93	
328	<i>Fragilaropsis cylindrus</i>	fcy	Protist	56.98	28418	1.84	256.67	266.2	44	108	154	232	690	-78	418	7293954	7.29	1278045	1.28	6015909	6.02	
329	<i>Pseudonitzschia multiseries</i>	psm	Protist	58.82	26150	2.26	226.56	253.92	33	58	108	203	762	-159.5	420.5	5924400	5.92	2683486	2.68	3240914	3.24	
330	<i>Fonticula alba</i>	fai	Protist	88.39	21470	4.13	236.71	258.83	84	119	152	199	451	-1	319	5082129	5.08	702416	0.7	4379713	4.38	
331	<i>Encephalitozoon cuniculi</i>	ecu	Fungi	0.1	3	1.5	35.67	36.5	43	25	39	43	43	-2	70	107	0	0	0	107	0	
332	<i>Promyces sp</i>	pyr	Fungi	65.37	29399	3.07	233.69	264.29	57	97	126	190	611	-42.5	329.5	6869839	6.87	1754106	1.75	5115733	5.12	
333	<i>Catenaria anguillula</i>	can	Fungi	61.42	19426	2.23	115.99	126.09	61	71	79	89	195	44	116	252828	2.25	186036	0.19	2066792	2.07	
334	<i>Allomyces macrogynus</i>	amg	Fungi	81.11	41326	2.93	100.94	106.9	53	68	74	86	258	41	113	4171604	4.17	152410	0.15	4019194	4.02	
335	<i>Gonapodya prolifera</i>	gpr	Fungi	87.01	60311	4.99	95.1	105.26	54	61	68	86	230	23.5	123.5	5733038	5.73	281565	0.28	5451473	5.45	
336	<i>Spizellomyces punctatus</i>	spt	Fungi	86.35	40383	5.33	72.52	75.22	55	60	65	71	97	43.5	87.5	2928672	2.93	26961	0.03	2901711	2.9	
337	<i>Batrachochytrium dendrobatidis</i>	bde	Fungi	75.41	28038	4.26	126.46	148.35	61	75	89	115	311	15	175	3540831	3.54	530134	0.53	3010697	3.01	
338	<i>Rhizopus oryzae</i>	ror	Fungi	74.3	38028	2.94	77.77	84.91	46	51	57	73	181	18	106	2957538	2.96	547281	0.55	2410257	2.41	
339	<i>Mucor circinelloides</i>	mci	Fungi	81.42	31267	3.28	85.81	94.74	51	56	61	67	150	39.5	83.5	2680786	2.68	297389	0.3	2383397	2.38	
340	<i>Phycomyces blakesleeanus</i>	pbi	Fungi	87.16	56158	3.9	142.78	164.6	50	67	89	137	394	-38	242	8018356	8.02	3489147	3.49	4529209	4.53	
341	<i>Coenansia reversa</i>	cor	Fungi	30.31	3504	1.57	231.87	228.48	39	103	136	233	690	-92	428	812468	0.81	92236	0.09	720232	0.72	
342	<i>Conidiobolus coronatus</i>	cco	Fungi	53.84	17945	3.13	85.75	121.97	45	49	52	56	56	128	38.5	66.5	1537262	1.54	155996	0.16	181264	1.38
343	<i>Mixia osmundae</i>	mox	Fungi	90.48	23479	3.76	63.25	64.96	46	49	52	56	56	108	38.5	66.5	1485001	1.49	11038	0.01	1473963	1.47
344	<i>Sporobolomyces roseus</i>	spr	Fungi	97.31	33370	6.19	104.01	105.15	53	68	76	95	247	27.5	135.5	3469520	3.47	199384	0.2	3270136	3.27	
345	<i>Rhodotorula graminis</i>	rgr	Fungi	95.24	36486	5.26	94.7	99.05	61	68	77	93	169	30.5	130.5	3454629	3.45	335891	0.34	3118738	3.12	
346	<i>Puccinia graminis</i>	pgr	Fungi	85.73	52276	3.86	101.57	105.54	61	74	86	105	194	27.5	151.5	5309460	5.31	610874	0.61	4698586	4.7	
347	<i>Melampsora laricis</i>	mlp	Fungi	84.57	27371	3.25	135.7	149.84	46	66	78	106	407	6	166	3711257	3.71	780076	0.78	2931181	2.93	
348	<i>Cronartium quercuum</i>	cqu	Fungi	78.47	43538	3.99	114.19	134.68	62	74	86	105	201	27.5	151.5	4971609	4.79	744914	0.74	4226695	4.23	
349	<i>Malassezia globosa</i>	mgl	Fungi	26.11	1939	1.73	72.8	76.63	28	38	50	76	224	-19	133	140767	0.14	2407	0	138360	0.14	
350	<i>Ustilago maydis</i>	uma	Fungi	36.06	4657	1.98	128.58	126.69	26	65	95	148	358	-59.5	272.5	598133	0.6	39687	0.04	558446	0.56	
351	<i>Sporisorium reilianum</i>	sre	Fungi	27.13	2789	1.55	129.26	135.92	67	77	87	107	370	32	152	358254	0.36	7215	0.01	351039	0.35	
352	<i>Cryptococcus neoformans</i>	cne	Fungi	96.7	32133	5.3	67.92	71.85	46	51	55	64	130	31.5	83.5	2182188	2.18	25971	0.03	2156217	2.16	
353	<i>Dacryopinax sp</i>	dac	Fungi	85.55	36046	4.11	67.02	70.23	46	49	51	55	107	40	64	2409201	2.41	110554	0.11	2298647	2.3	
354	<i>Piriformospora indica</i>	pin	Fungi	88.43	47446	4.56	58.46	62.05	43	46	48	53	107	35.5	63.5	2773873	2.77	146504	0.15	2627369	2.63	
355	<i>Sebacina vermifera</i>	sve	Fungi	81.82																		

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383	<i>Agaricus bisporus</i>	abb	Fungi	85.24	49265	5.54	70.33	80.15	47	51	54	60	119	37.5	73.5	3461385	3.46	319157	0.32	3142228	3.14
384	<i>Laccaria bicolor</i>	lbc	Fungi	85.41	84372	4.79	92.39	99.66	44	51	55	65	244	30	86	7795315	7.8	2794557	2.79	5000758	5
385	<i>Coprinopsis cinerea</i>	cci	Fungi	90.67	59967	4.96	73.03	77.26	48	52	56	64	168	34	82	4379194	4.38	115062	0.12	4264132	4.26
386	<i>Hebeloma cylindrosporum</i>	hcy	Fungi	76.46	61595	4.78	68.36	74.45	48	52	56	61	116	38.5	74.5	4208575	4.21	196555	0.2	4012020	4.01
387	<i>Galerina marginata</i>	gam	Fungi	80.68	85531	4.94	75.53	82.97	48	52	56	62	126	37	77	6457965	6.46	604573	0.6	5853392	5.85
388	<i>Hypoloma subtetritum</i>	hsu	Fungi	81.85	71875	4.9	74.18	81	48	52	56	62	128	37	77	5329655	5.33	332341	0.33	4997314	5
389	<i>Conioiphora puteana</i>	cpu	Fungi	89.66	64759	5.25	79.02	88.49	48	52	57	65	147	32.5	84.5	5114803	5.11	234577	0.23	4880264	4.88
390	<i>Serpula lacrymans</i>	sia	Fungi	86.26	56787	5.15	74.82	87.03	48	52	56	63	132	35.5	79.5	4242930	4.24	663146	0.66	3579784	3.58
391	<i>Hydnomerulius pinastri</i>	hpi	Fungi	85.87	60564	5.31	76.14	87.46	48	52	55	62	122	37	77	4606962	4.61	456680	0.46	4150282	4.15
392	<i>Paxillus rubicundulus</i>	pru	Fungi	68.87	57086	3.76	72.74	85.14	47	51	55	62	129	34.5	78.5	4151886	4.15	987837	0.99	3164049	3.16
393	<i>Scleroderma citrinum</i>	sci	Fungi	75.1	63141	4	79.66	91.45	46	50	54	60	125	35	75	5029578	5.03	1566846	1.57	3460930	3.46
394	<i>Pisolithus microcarpus</i>	pmi	Fungi	71.37	58113	3.87	80.76	92.2	46	51	54	61	125	36	76	4690762	4.69	1393118	1.39	3297644	3.3
395	<i>Pisolithus tectorius</i>	pit	Fungi	73.55	64015	3.83	87.16	107.85	46	51	55	62	132	34.5	78.5	5579163	5.58	2058369	2.06	3520803	3.52
396	<i>Saitoella complicata</i>	sco	Fungi	61.13	8016	1.86	73.44	76.5	48	52	55	60	128	40	72	587936	0.59	14524	0.01	573412	0.57
397	<i>Schizosaccharomyces pombe</i>	spo	Fungi	45.19	4839	2.09	82.99	92.8	39	46	56	87	225	-15.5	148.5	401139	0.4	11197	0.01	389942	0.39
398	<i>Lipomyces starkeyi</i>	lst	Fungi	70.02	14105	2.46	69.47	74.19	47	51	55	62	117	34.5	78.5	979775	0.98	56288	0.06	923487	0.92
399	<i>Yarrowia lipolytica</i>	yli	Fungi	12.03	874	1.13	275.29	283.66	47	74	204	422	756	-448	944	240600	0.24	4450	0	236150	0.24
400	<i>Nadsonia fulvescens</i>	nfu	Fungi	32.95	2916	1.56	149.37	166.72	48	69	89	140	454	-37.5	246.5	437458	0.43	10755	0.01	424003	0.42
401	<i>Wickerhamomyces anomalus</i>	wan	Fungi	27.92	2429	1.35	134.11	138.12	33	52	57	87	389	-0.5	139.5	325675	0.33	15585	0.02	310090	0.31
402	<i>Hansenula polymorpha</i>	hpo	Fungi	13.71	821	1.16	110.03	101.98	25	35	46	111	317	-79	225	90116	0.09	1280	0	88836	0.09
403	<i>Dekkera bruxellensis</i>	dbr	Fungi	23.78	1840	1.37	282.03	278.36	33	65	108	255	1159	-220	540	518941	0.52	15159	0.02	503782	0.5
404	<i>Pachysolen tannophilus</i>	pta	Fungi	22.34	1615	1.27	146.84	148.93	32	71	95	127	433	-13	211	236819	0.24	35258	0.04	201561	0.2
405	<i>Pichia pastoris</i>	pip	Fungi	9.11	493	1.07	99.18	98.82	37	52	62	101	293	-21.5	174.5	48894	0.05	492	0	48402	0.05
406	<i>Pichia stipitis</i>	pic	Fungi	26.27	2387	1.56	127.44	140.96	18	36	63	117	390	-85.5	238.5	304192	0.3	21442	0.02	282750	0.28
407	<i>Candida albicans</i>	cal	Fungi	2.33	146	1.04	200.29	202.39	62	75	101	286	551	-241.5	602.5	28932	0.03	880	0	28052	0.03
408	<i>Babivielia inositovora</i>	bin	Fungi	17.57	1453	1.29	268.46	275.8	36	48	74	228	1038	-222	498	389567	0.39	12668	0.01	376899	0.38
409	<i>Debaryomyces hansenii</i>	dha	Fungi	0.05	3	1	518	518	910	124	520	910	10155	0	0	0	0	1554	0	0	0
410	<i>Spathaspora passalidarum</i>	spa	Fungi	12.75	936	1.23	158.52	162.19	27	53	69	147	447	-88	288	148378	0.15	11219	0.01	137159	0.14
411	<i>Hyphopichia burtonii</i>	htb	Fungi	14.89	1131	1.27	195.34	196.8	30	54	84	195	643	-157.5	406.5	220847	0.22	12835	0.01	208012	0.21
412	<i>Metschnikowia bicuspidata</i>	mbi	Fungi	18.36	1336	1.24	209.38	209.65	27	56	90	189	792	-143.5	388.5	278402	0.28	12751	0.01	265651	0.27
413	<i>Ascosidea rubescens</i>	aru	Fungi	23.79	2359	1.46	351.25	323.75	37	72	111	235	979	-172.5	479.5	828354	0.83	74597	0.07	753757	0.75
414	<i>Hanseniaspora valbyensis</i>	hva	Fungi	14.85	849	1.19	470.46	480.32	30	51	99	308	1663	-334.5	693.5	399126	0.4	22603	0.02	376523	0.38
415	<i>Ashbya gossypii</i>	ago	Fungi	4.01	195	1.02	97.72	98.67	48	53	61	101	258	-19	173	19056	0.02	752	0	18304	0.02
416	<i>Kluyveromyces lactis</i>	kla	Fungi	2.32	120	1.02	272.37	274.75	77	100	147	410	691	-365	875	32602	0.03	248	0	32354	0.03
417	<i>Lachancea thermotolerans</i>	lth	Fungi	4.12	214	1.02	137.21	138.24	55	65	78	161	376	-79	305	29364	0.03	599	0	28765	0.03
418	<i>Saccharomyces cerevisiae</i>	sce	Fungi	2.94	202	1.03	216.54	220.82	67	86	115	359	525	-323.5	768.5	41744	0.04	3175	0	385569	0.04
419	<i>Zygosaccharomyces rouxii</i>	zro	Fungi	2.32	119	1.03	122.66	123.69	60	68	78	105	367	12.5	160.5	14596	0.01	128	0	14468	0.01
420	<i>Tuber melanosporum</i>	tme	Fungi	81.03	20958	3.45	106.46	121.96	48	55	63	79	168	19	115	2231178	2.23	389981	0.39	1841197	1.84
421	<i>Aureobasidium pullulans</i>	apu	Fungi	68.54	15181	2.05	70.74	72.19	48	51	55	60	141	37.5	73.5	1073590	1.07	10918	0.01	1062672	1.06
422	<i>Actidiomyces richmondensis</i>	ari	Fungi	60.29	13158	1.95	86.02	88.8	47	54	61	75	201	22.5	106.5	1131859	1.13	77277	0.08	1054582	1.05
423	<i>Baudoinia compniacensis</i>	bco	Fungi	55.86	10907	1.86	77.5	79.03	47	53	58	68	161	30.5	90.5	483208	0.84	12066	0.01	831142	0.83
424	<i>Mycosphaerella graminicola</i>	mgr	Fungi	68.92	16701	2.22	135.66	132.77	49	54	62	112	422	-33	199	2265279	2.27	182280	0.18	2082999	2.08
425	<i>Septoria musiva</i>	smu	Fungi	62.4	12255	1.92	105.35	108.55	50	57	69	99	223	-6	162	1290728	1.29	142307	0.14	1148421	1.15
426	<i>Cladosporium fulvum</i>	cfl	Fungi	60.68	16151	1.9	102.86	97.9	48	52	56	73	301	20.5	104.5	1661363	1.66	11277	0.11	1548586	1.55
427	<i>Cercospora zeae</i>	cze	Fungi	65.6	15237	1.93	107.52	111.84	47	53	59	83	258	8	128	1637379	1.64	154120	0.15	1483259	1.48
428	<i>Zasmidium cellare</i>	zce	Fungi	67.07	23558	2.19	83.75	85.16	47	52	56	65	201	32.5	84.5	1972778	1.97	31425	0.03	1941353	1.94
429	<i>Dothistroma septosporum</i>	dse	Fungi	56.39	13334	1.88	91.2	90.16	46	52	56	75	208	17.5	109.5	1215925	1.22	127596	0.13	1088329	1.09
430	<i>Hysterium pulicaria</i>	hp	Fungi	74.51	26072	2.83	93.59	91.19	47	52	58	79	285	11.5	119.5	2440142	2.44	86214	0.09	2353928	2.35
431	<i>Rhytidosteron rufulum</i>	rfl	Fungi	75.8	25599	2.79	87.79	87.79	47	52	57	74	260	19	107	2285764	2.29	32362	0.03	2253402	2.25
432	<i>Leptosphaeria maculans</i>	lpm	Fungi	73.64	21699	2.36	103.32	104.81	46	52	63	111	297	-36.5	199.5	224006	2.24	72057	0.07	2169946	2.17
433	<i>Didymella exigua</i>	dex	Fungi	67.82	16835	2	96.58	106.39	46	49	52	64	223	26.5	86.5	1625597	1.63	275951	0.28	1349646	1.35
434	<i>Phaeosphaeria nodorum</i>	pno	Fungi	80.19	19872	2	90.44	90.77	28	49	55	98	264	-24.5	171.5	1786413	1.79	25769	0.03	1760644	1.76
435	<i>Setosphaeria turica</i>	set	Fungi	72.79	18582	2.18	95.72	99.19	45	50	55</										