

**Table SMO. Permutation tests of the Jaccard index estimations to indicate whether the overlap between a genome feature (intron or exon) and repeats is less (TRUE = 1) or more (FALSE = 0) significant than expected by chance.**

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>

FUNGI	EXONS	TRUE	91.60
FUNGI	EXONS	FALSE	8.40

FUNGI	INTRONS	TRUE	82.44
FUNGI	INTRONS	FALSE	17.56

**FUNGI      Jaccard measurements for EXONS**

Species name	Abbreviation name	Kingdom	Query population	Reference population	Query coverage	Reference coverage	Query reference intersection	Query reference union	Jaccard measure	Jaccard measure p-value	Jaccard measure lower-tail	Jaccard measure lower-tail
<i>Amanita muscaria</i>	amu	Fungi	24821	75662	8210454	17697041	3462312	22445183	0.1542563	<.001	FALSE	0
<i>Catenaria anguillulae</i>	can	Fungi	17015	33450	2829128	17461298	1105944	19184482	0.05764784	0.115	TRUE	0
<i>Chaetomium globosum</i>	cgl	Fungi	14744	33796	3377715	16400332	1473428	18304619	0.08049487	<.001	FALSE	0
<i>Conidiobolus coronatus</i>	cco	Fungi	25896	28516	3757632	11042244	1036256	13763620	0.0752895	<.001	FALSE	0
<i>Piriformospora indica</i>	pin	Fungi	5831	56814	1812402	14816881	1100999	15528284	0.07090281	<.001	FALSE	0
<i>Piromyces sp</i>	pyr	Fungi	95415	44010	10518619	16948440	3193598	24273461	0.1315675	<.001	FALSE	0
<i>Pisolithus microcarpus</i>	pmi	Fungi	27305	78696	22679579	17636167	5519925	34795821	0.1586376	<.001	FALSE	0
<i>Postia placenta</i>	ppl	Fungi	39278	111795	19685838	23396516	5042653	38039701	0.1325629	<.001	FALSE	0
<i>Sebacina vermifera</i>	sve	Fungi	12501	71409	5501317	18666219	2699183	21468353	0.1257285	<.001	FALSE	0
<i>Sphaerobolus stellatus</i>	sst	Fungi	100437	157075	52490935	32435395	9730994	75195336	0.1294095	<.001	FALSE	0
<i>Tulasnella calospora</i>	tuc	Fungi	29006	87052	10326455	19763299	3486775	26602979	0.1310671	<.001	FALSE	0
<i>Acidomyces richmondensis</i>	ari	Fungi	8982	23757	2814407	13037170	365242	15756335	0.02318064	<.001	TRUE	1
<i>Acremonium alcalophilum</i>	aal	Fungi	16392	33711	29865063	12927174	260459	42531778	0.006123868	<.001	TRUE	1
<i>Agaricus bisporus</i>	abb	Fungi	8671	59667	4183195	13257809	1126503	16314501	0.06904919	<.001	TRUE	1
<i>Allomyces macrogynus</i>	amg	Fungi	36254	58712	5907738	26632378	2174921	30365195	0.07162546	<.001	TRUE	1
<i>Amorphotheca resiniae</i>	are	Fungi	10785	27564	3768100	13147748	113957	16801891	0.006782391	<.001	TRUE	1
<i>Ascoidea rubescens</i>	aru	Fungi	18123	9143	1303706	9509265	513146	10299825	0.04982085	<.001	TRUE	1
<i>Ashbya gossypii</i>	ago	Fungi	1548	4945	460590	6993363	78783	7375170	0.01068219	<.001	TRUE	1
<i>Aspergillus nidulans</i>	ani	Fungi	5138	33917	979606	15184611	274582	15889635	0.01728057	<.001	TRUE	1
<i>Aspergillus niger</i>	ang	Fungi	10184	49365	648513	18525747	224187	18950073	0.0118304	<.001	TRUE	1
<i>Aureobasidium pullulans</i>	apu	Fungi	3995	25943	363926	14645628	82129	14927425	0.005501887	<.001	TRUE	1
<i>Auricularia delicata</i>	ade	Fungi	34528	111277	9996534	27039397	2282783	34753148	0.06568565	<.001	TRUE	1
<i>Babjevella inositovora</i>	bin	Fungi	2660	7839	317256	8312885	141130	8489011	0.01662502	<.001	TRUE	1
<i>Batrachochytrium dendrobatidis</i>	bde	Fungi	7663	36575	5691313	11624318	1523734	15791897	0.09648834	<.001	TRUE	1
<i>Baudoinia compniacensis</i>	bco	Fungi	2772	21405	249823	13116930	77129	13289624	0.005803701	<.001	TRUE	1
<i>Bjerkandera adusta</i>	bad	Fungi	13152	81190	3686957	18721616	976002	21432571	0.04553826	<.001	TRUE	1
<i>Botryobasidium botryosum</i>	bob	Fungi	21853	87054	7792491	19185555	1803019	25175027	0.07161935	<.001	TRUE	1
<i>Botryotinia cinerea</i>	bci	Fungi	19414	41867	1593321	16335851	314847	17614325	0.01787449	<.001	TRUE	1
<i>Candida albicans</i>	cal	Fungi	13243	6142	1018102	8725642	326595	9417149	0.03468088	<.001	TRUE	1
<i>Cercospora zaeae</i>	cze	Fungi	11862	27211	9345488	15105845	120891	24330442	0.004968714	<.001	TRUE	1
<i>Ceriporiopsis subvermispora</i>	ces	Fungi	10359	71810	2789630	15405597	899386	17295841	0.05200013	<.001	TRUE	1
<i>Cladonia grayi</i>	clg	Fungi	10161	33468	2039089	14833100	176544	16695645	0.01057425	<.001	TRUE	1
<i>Cladosporium fulvum</i>	ctf	Fungi	10187	30077	9446081	18232930	109001	27570010	0.003953608	<.001	TRUE	1
<i>Cochliobolus heterostrophus</i>	che	Fungi	11818	34396	3813571	17079975	343370	20550176	0.01670886	<.001	TRUE	1
<i>Coemansia reversa</i>	cor	Fungi	9380	10826	4261247	8994665	430836	12825076	0.03359325	<.001	TRUE	1
<i>Coniocephala puteana</i>	cpu	Fungi	14514	78450	2911643	17963475	696585	20178533	0.03452109	<.001	TRUE	1

FUNGI   REPEATS   Introns-Exons												
<i>Coprinopsis cinerea</i>	cci	Fungi	9672	73273	2662673	18386052	620433	20428292	0.03037126	<0.001	TRUE	1
<i>Cronartium quercuum</i>	cqu	Fungi	84641	57394	22818959	13748936	1443420	35124475	0.04109442	<0.001	TRUE	1
<i>Cryphonectria parasitica</i>	crp	Fungi	22381	32626	6063236	14668118	293735	20437619	0.01437227	<0.001	TRUE	1
<i>Cryptococcus neoformans</i>	cne	Fungi	4999	38405	1264454	10045163	214086	11095531	0.0192948	<0.001	TRUE	1
<i>Dacryopinax sp</i>	dac	Fungi	9749	46236	2338660	12374806	392492	14320974	0.0274068	<0.001	TRUE	1
<i>Daldinia eschscholzii</i>	des	Fungi	13613	31094	992465	15610341	117669	16485137	0.007137884	<0.001	TRUE	1
<i>Debaryomyces hansenii</i>	dha	Fungi	3130	5983	379542	8449601	210918	8618225	0.02447348	<0.001	TRUE	1
<i>Dekkera bruxellensis</i>	dbr	Fungi	4549	7449	371679	7422414	53129	7740964	0.006863357	<0.001	TRUE	1
<i>Dichomitus squalens</i>	dsq	Fungi	13363	66395	4742703	15346074	867067	19221710	0.04510873	<0.001	TRUE	1
<i>Didymella exigua</i>	dex	Fungi	7815	29168	4823589	15727943	404774	20146758	0.02009127	<0.001	TRUE	1
<i>Dothistroma septosporum</i>	dse	Fungi	4754	25848	1111055	15345905	71249	16385711	0.00434824	<0.001	TRUE	1
<i>Encephalitozoon cuniculi</i>	ecu	Fungi	283	1850	289803	2140000	169132	2260671	0.07481496	<0.001	TRUE	1
<i>Eurotium herbariorum</i>	ehe	Fungi	9571	29663	1211353	13783519	198991	14795881	0.01344908	<0.001	TRUE	1
<i>Fomitiporia mediterranea</i>	fme	Fungi	13903	64654	23882419	14444918	1090067	37237270	0.02927355	<0.001	TRUE	1
<i>Fomitopsis pinicola</i>	fpi	Fungi	14345	74231	3817317	16720918	998077	19540158	0.05107825	<0.001	TRUE	1
<i>Fusarium oxysporum</i>	fox	Fungi	15670	43667	12701568	20718920	2516283	30904205	0.08142203	0.005	TRUE	1
<i>Galerina marginata</i>	gam	Fungi	28707	106832	7746270	24561969	2416098	29892141	0.0808272	<0.001	TRUE	1
<i>Ganoderma sp</i>	gan	Fungi	11995	71781	2476923	16445286	767304	18154905	0.04226428	<0.001	TRUE	1
<i>Gibberella moniliformis</i>	gmf	Fungi	8810	36881	602889	17595100	78745	18119244	0.004345932	<0.001	TRUE	1
<i>Gloeophyllum trabeum</i>	gtr	Fungi	11602	68120	3959039	14841343	547524	18252858	0.02999662	<0.001	TRUE	1
<i>Gonapodya prolifera</i>	gpr	Fungi	13089	74093	2483989	17183231	509263	19157957	0.02658232	<0.001	TRUE	1
<i>Gymnopus luxurians</i>	glu	Fungi	38814	109468	16074241	23964578	3497440	36541379	0.09571177	<0.001	TRUE	1
<i>Hanseniaspora valbyensis</i>	hva	Fungi	14821	5602	866128	6358511	302003	6922636	0.04362543	<0.001	TRUE	1
<i>Hansenula polymorpha</i>	hpo	Fungi	879	5892	129887	6961162	27852	7063197	0.003943257	<0.001	TRUE	1
<i>Hebeloma cylindrosporum</i>	hcy	Fungi	12999	78309	2843441	18342991	1000352	20186080	0.04955653	<0.001	TRUE	1
<i>Heterobasidion annosum</i>	han	Fungi	14433	68758	6744689	15126446	1891951	19979184	0.09469611	<0.001	TRUE	1
<i>Hydnomerulius piastri</i>	hpi	Fungi	13130	73275	4748708	15973825	1426131	19296402	0.07390658	<0.001	TRUE	1
<i>Hypoloma sublateritium</i>	hsu	Fungi	19009	89325	4317639	20593299	1409927	23501011	0.05999431	<0.001	TRUE	1
<i>Hyphopichia burtonii</i>	hbu	Fungi	6608	7102	385459	8455919	124803	8716575	0.01431789	<0.001	TRUE	1
<i>Hypoxyylon sp</i>	hyp	Fungi	8435	33701	3170149	16710614	82898	19797865	0.004187219	<0.001	TRUE	1
<i>Hysterium pulicare</i>	hpu	Fungi	5842	38360	452425	18748074	94277	19106222	0.004934361	<0.001	TRUE	1
<i>Jaapia argillacea</i>	jar	Fungi	17126	85709	6380582	19283048	1509921	24153709	0.06251301	<0.001	TRUE	1
<i>Kluyveromyces lactis</i>	kla	Fungi	2773	5160	258240	7388633	91158	7555715	0.01206477	<0.001	TRUE	1
<i>Laccaria bicolor</i>	lbc	Fungi	43873	104951	24148968	22552718	6340932	40360754	0.1571064	<0.001	TRUE	1
<i>Lachancea thermotolerans</i>	lth	Fungi	1534	5281	193957	7510176	61262	7642871	0.008015574	<0.001	TRUE	1
<i>Leptosphaeria maculans</i>	lpm	Fungi	15091	34168	15771851	15646740	201450	31217141	0.006453185	<0.001	TRUE	1
<i>Lipomyces starkeyi</i>	lst	Fungi	8182	22294	2414721	9974052	552762	11836011	0.04670171	<0.001	TRUE	1
<i>Magnaporthe poae</i>	mpo	Fungi	16240	29707	1332343	14483975	245443	15570875	0.01576295	<0.001	TRUE	1
<i>Malassezia globosa</i>	mgl	Fungi	1727	6213	127463	6195655	68859	6254259	0.01100994	0.009	TRUE	1
<i>Melampsora laricis</i>	mlp	Fungi	92404	37327	33782023	9533414	1386660	41928777	0.0330718	<0.001	TRUE	1
<i>Metschnikowia bicuspidata</i>	mbi	Fungi	4579	7152	646955	7669387	97448	8218894	0.01185658	<0.001	TRUE	1
<i>Mixia osmundae</i>	mox	Fungi	1574	30304	225074	10311785	86666	10450193	0.008293244	<0.001	TRUE	1
<i>Mucor circinelloides</i>	mci	Fungi	18929	42994	8315230	13289093	537433	21066890	0.02551079	<0.001	TRUE	1
<i>Myceliophthora thermophila</i>	mth	Fungi	18067	5676	11378653	2645181	163409	13860425	0.01178961	<0.001	TRUE	1
<i>Mycosphaerella graminicola</i>	mgr	Fungi	10481	27614	7425483	14192162	130864	21486781	0.006090442	<0.001	TRUE	1
<i>Nadsonia fulvescens</i>	nfu	Fungi	4770	8563	287135	8019607	70134	8236608	0.008514913	<0.001	TRUE	1
<i>Nectria haematococca</i>	nha	Fungi	10503	45015	1558818	21701632	163209	23097241	0.007066169	<0.001	TRUE	1
<i>Neurospora crassa</i>	ncr	Fungi	23387	26004	3389086	14289265	284794	17393557	0.01637353	<0.001	TRUE	1
<i>Oidiodendron maius</i>	oma	Fungi	10816	48529	3435797	21452786	325541	24563042	0.01325329	<0.001	TRUE	1
<i>Pachysolen tannophilus</i>	pta	Fungi	19448	7273	941589	8152650	263916	8830323	0.02988747	<0.001	TRUE	1
<i>Paxillus rubicundulus</i>	pru	Fungi	36269	78760	22585468	17319169	3958335	35946302	0.110118	<0.001	TRUE	1
<i>Penicillium chrysogenum</i>	pec	Fungi	7847	34978	1804334	15992060	124191	17672203	0.007027477	<0.001	TRUE	1
<i>Phaeosphaeria nodorum</i>	pno	Fungi	5462	32103	2487670	15622578	127513	17982735	0.007090857	<0.001	TRUE	1
<i>Phanerochaete carnea</i>	pca	Fungi	17526	68713	7940345	15877318	1849625	21968038	0.08419619	<0.001	TRUE	1
<i>Phlebia brevispora</i>	pbr	Fungi	18062	86680	6087390	19027394	1791529	23323255	0.07681299	<0.001	TRUE	1
<i>Phlebiopsis gigantea</i>	pgi	Fungi	5293	67135	337774	14522598	115929	14744443	0.007862555	<0.001	TRUE	1
<i>Phycomyces blakesleeanus</i>	pbl	Fungi	80628	72674	20345290	17407982	4985260	32768012	0.152138	<0.001	TRUE	1
<i>Pichia pastoris</i>	pip	Fungi	1112	5452	63250	7206628	42243	7227635	0.00584465	<0.001	TRUE	1
<i>Pichia stipitis</i>	pic	Fungi	3490	8227	1000058	8587060	246791	9340327	0.02642209	<0.001	TRUE	1
<i>Piloderma croceum</i>	pcr	Fungi	33158	94829	12115953	21274733	2531373	30859313	0.08202947	<0.001	TRUE	1
<i>Pisolithus tinctorius</i>	pit	Fungi	28485	86283	35052192	19612409	6825220	47839381	0.1426695	<0.001	TRUE	1
<i>Pleurotus ostreatus</i>	pos	Fungi	9568	72254	3728983	15309820	973770	18065033	0.05390358	<0.001	TRUE	1
<i>Plicaturopsis crispa</i>	plc	Fungi	11946	74644	2792427	16661325	595616	18858136	0.03158403	<0.001	TRUE	1

FUNGI   REPEATS   Introns-Exons													
<i>Puccinia graminis</i>	pgr	Fungi	73168	68060	32774865	18553080	2887466	48440479	0.05960854	<0.001	TRUE	1	
<i>Punctularia strigosozonata</i>	pst	Fungi	10374	67392	2749392	15128689	808414	17069667	0.04735968	<0.001	TRUE	1	
<i>Pyrenophora teres</i>	pte	Fungi	10581	28809	1452400	16219798	609693	17062505	0.03573291	<0.001	TRUE	1	
<i>Rhizopus oryzae</i>	ror	Fungi	31516	55441	14360932	17798868	4659577	27500223	0.1694378	<0.001	TRUE	1	
<i>Rhodotorula graminis</i>	rgr	Fungi	26691	43752	1994008	10891099	595397	12289710	0.04844679	<0.001	TRUE	1	
<i>Rhytidhysteron rufulum</i>	rfu	Fungi	11810	36532	585270	17645611	123494	18107387	0.00682009	<0.001	TRUE	1	
<i>Saccharomyces cerevisiae</i>	sce	Fungi	4373	6185	912844	8784543	540149	9157238	0.05898602	<0.001	TRUE	1	
<i>Saitoella complicata</i>	sco	Fungi	4364	15019	484108	8913912	161456	9236564	0.01748009	<0.001	TRUE	1	
<i>Schizophyllum commune</i>	scm	Fungi	12135	72968	2878963	17539262	780423	19637802	0.03974085	<0.001	TRUE	1	
<i>Schizosaccharomyces pombe</i>	spo	Fungi	3394	9964	622005	7139629	157561	7604073	0.02072061	<0.001	TRUE	1	
<i>Scleroderma citrinum</i>	sci	Fungi	34720	83892	24122461	18731930	5458668	37395723	0.1459704	<0.001	TRUE	1	
<i>Sclerotinia sclerotiorum</i>	scs	Fungi	15212	27658	2327344	1130951	554242	12904053	0.042951	<0.001	TRUE	1	
<i>Septoria musiva</i>	smu	Fungi	22658	22458	3564674	13783833	231066	17117441	0.01349886	<0.001	TRUE	1	
<i>Serpula lacrymans</i>	sla	Fungi	15987	69477	13999550	14102419	1359312	26742657	0.05082935	<0.001	TRUE	1	
<i>Setosphaeria turcica</i>	set	Fungi	26695	30255	6363513	15958138	320965	22000686	0.01458886	<0.001	TRUE	1	
<i>Spathaspora passalidarum</i>	spa	Fungi	5365	6863	408872	8093418	188823	8313467	0.02271291	<0.001	TRUE	1	
<i>Spizellomyces punctatus</i>	spt	Fungi	4309	49164	1293206	13639475	334198	14598483	0.02289265	<0.001	TRUE	1	
<i>Sporisorium reilianum</i>	sre	Fungi	9777	9455	412371	11886104	229801	12038674	0.01908856	<0.001	TRUE	1	
<i>Sporobolomyces roseus</i>	spr	Fungi	13948	38880	923306	9331019	317077	9937248	0.03190793	<0.001	TRUE	1	
<i>Stereum hirsutum</i>	shi	Fungi	17666	86385	2831897	19193893	613180	21412610	0.0286364	<0.001	TRUE	1	
<i>Thielavia terrestris</i>	tte	Fungi	16294	6414	8465449	2849957	169968	11145438	0.01525001	<0.001	TRUE	1	
<i>Trametes versicolor</i>	tve	Fungi	15190	78404	3328907	17976485	956578	20348814	0.04700903	<0.001	TRUE	1	
<i>Trichoderma citroviride</i>	tci	Fungi	12112	26305	834219	13498935	166291	14166863	0.01173803	<0.001	TRUE	1	
<i>Tuber melanosporum</i>	tme	Fungi	67595	28461	70796057	9807918	147268	80456707	0.001830401	<0.001	TRUE	1	
<i>Ustilago maydis</i>	uma	Fungi	8908	11158	777587	11956828	288757	12445658	0.02320142	<0.001	TRUE	1	
<i>Verticillium dahliae</i>	vda	Fungi	11979	28987	1663877	14934668	221349	16377396	0.01351552	<0.001	TRUE	1	
<i>Wickerhamomyces anomalus</i>	wan	Fungi	5547	8823	557119	8361335	165806	8752648	0.01894352	<0.001	TRUE	1	
<i>Wolfiporia cocos</i>	wco	Fungi	27781	71796	15480089	15534244	1594069	29420264	0.05418269	<0.001	TRUE	1	
<i>Xanthoria parietina</i>	xpa	Fungi	7319	31807	4909269	13984972	161839	18732402	0.008639522	<0.001	TRUE	1	
<i>Yarrowia lipolytica</i>	yli	Fungi	8382	7321	1032329	9410367	376725	10065971	0.0374256	<0.001	TRUE	1	
<i>Zasmidium cellare</i>	zce	Fungi	6866	39531	539655	21548684	147300	21941039	0.006713447	<0.001	TRUE	1	
<i>Zygosaccharomyces rouxii</i>	zro	Fungi	4098	5068	339619	7436507	148956	7627170	0.01952966	<0.001	TRUE	1	

### FUNGI Jaccard measurements for INTRONS

Species name	Abbreviation name	Kingdom	Query population	Reference population	Query coverage	Reference coverage	Query reference intersection	Query reference union	Jaccard measure	Jaccard measure p-value	Jaccard measure lower-tail	Jaccard measure lower-tail
<i>Amanita muscaria</i>	amu	Fungi	24441	57714	8043112	4143281	684942	11501451	0.05955266	<b>0.187</b>	TRUE	0
<i>Ascoidea rubescens</i>	aru	Fungi	18094	2353	1300821	825526	75424	2050923	0.03677564	<0.001	FALSE	0
<i>Aspergillus nidulans</i>	ani	Fungi	5138	23405	979606	2035416	98759	2916263	0.03386492	<0.001	FALSE	0
<i>Aspergillus niger</i>	ang	Fungi	10184	35146	648513	3401183	61659	3988037	0.01546099	<b>0.234</b>	TRUE	0
<i>Chaetomium globosum</i>	cgl	Fungi	14741	22687	3370121	3217042	363267	6223896	0.0583665	<0.001	FALSE	0
<i>Conidiobolus coronatus</i>	cco	Fungi	24649	17926	3508397	1514224	152770	4869851	0.03137057	<0.001	FALSE	0
<i>Didymella exigua</i>	dex	Fungi	7768	16823	4771996	1607688	273411	6106273	0.04477543	0.001	FALSE	0
<i>Hypophichia burtonii</i>	hbu	Fungi	6587	1131	383128	219716	12464	590380	0.02111183	<0.001	FALSE	0
<i>Hysterium pulicare</i>	hpu	Fungi	5814	26035	450643	2409889	34605	2825927	0.01224554	<0.001	FALSE	0
<i>Kluyveromyces lactis</i>	kla	Fungi	2773	120	258240	32482	241	290481	0.0008296584	<b>0.047</b>	TRUE	0
<i>Myceliophthora thermophila</i>	mth	Fungi	18067	2996	11378653	482426	130890	11730189	0.01115839	<b>0.243</b>	TRUE	0
<i>Pachysolen tannophilus</i>	pta	Fungi	19154	1612	911031	234490	33204	1112317	0.0298512	<0.001	FALSE	0
<i>Phycomyces blakesleeanus</i>	pbl	Fungi	80625	56158	20337188	7962198	3466694	24832692	0.139602	<0.001	FALSE	0
<i>Piromyces sp.</i>	pyr	Fungi	93715	29398	10212639	6840387	1858942	15194084	0.1223464	<0.001	FALSE	0
<i>Postia placenta</i>	ppl	Fungi	38893	94726	19302737	10555811	2103712	27754836	0.07579623	<b>0.018</b>	TRUE	0
<i>Rhodotorula graminis</i>	rgr	Fungi	26691	36479	1994008	3418150	334282	5077876	0.06583107	<0.001	FALSE	0
<i>Sebacina vermicifera</i>	sve	Fungi	12374	56274	5466969	4385804	615605	9237168	0.06664434	<b>0.081</b>	FALSE	0

FUNGI   REPEATS   Introns-Exons												
<i>Spathaspora passalidarum</i>	spa	Fungi	5365	936	408872	147442	10847	545467	0.01988571	<0.001	FALSE	0
<i>Sphaerobolus stellatus</i>	sst	Fungi	100040	121915	52321401	11999001	3758390	60562012	0.06205854	<0.001	FALSE	0
<i>Sporisorium reillanum</i>	sre	Fungi	9777	2788	412371	355466	7066	760771	0.009287946	<b>0.067</b>	TRUE	0
<i>Sporobolomyces roseus</i>	spr	Fungi	13900	33355	908504	3432084	195993	4144595	0.04728882	<0.001	FALSE	0
<i>Thielavia terrestris</i>	tte	Fungi	16294	3412	8465449	508320	103183	8870586	0.01163204	<b>0.101</b>	TRUE	0
<i>Ustilago maydis</i>	uma	Fungi	8764	4647	769460	592869	37605	1324724	0.02838705	<0.001	FALSE	0
<i>Acidomyces richmondensis</i>	ari	Fungi	7909	12846	2278567	1091762	71020	3299309	0.02152572	<0.001	TRUE	1
<i>Acremonium alcalophilum</i>	aal	Fungi	16392	24273	29865063	2841800	950844	31756019	0.02994217	<0.001	TRUE	1
<i>Agaricus bisporus</i>	abb	Fungi	8663	49249	4171761	3412136	312198	7271699	0.0429333	<0.001	TRUE	1
<i>Allomyces macrogyrus</i>	amg	Fungi	36225	41326	5884313	4130278	146924	9867667	0.01488944	<0.001	TRUE	1
<i>Amorphotheca resiniae</i>	are	Fungi	10782	17964	3763162	1512246	80505	5194903	0.01549692	<0.001	TRUE	1
<i>Ashbya gossypii</i>	ago	Fungi	1548	195	460590	18861	740	478711	0.001545818	<b>0.465</b>	FALSE	1
<i>Aureobasidium pullulans</i>	apu	Fungi	3982	15177	345945	1058413	10500	1393858	0.007533049	<0.001	TRUE	1
<i>Auricularia delicata</i>	ade	Fungi	33847	87837	9662560	7928880	892495	16698945	0.05344619	<0.001	TRUE	1
<i>Babjeviella inositovora</i>	bin	Fungi	2640	1451	314473	388062	12536	689999	0.01816814	<b>0.033</b>	FALSE	1
<i>Batrachochytrium dendrobatidis</i>	bde	Fungi	7602	27980	5651088	3501740	523307	8629521	0.06064149	<0.001	TRUE	1
<i>Baudoinia compniacensis</i>	bco	Fungi	2770	10906	249588	882302	10132	1071758	0.009453627	<b>0.233</b>	FALSE	1
<i>Bjerkanderia adusta</i>	bad	Fungi	12948	65757	3572115	4563119	247556	7887678	0.03138516	<0.001	TRUE	1
<i>Botryobasidium botryosum</i>	bob	Fungi	21782	70626	7768532	5314608	500855	12582285	0.03980636	<0.001	TRUE	1
<i>Botrytis cinerea</i>	bci	Fungi	19316	25578	1541888	3437144	94508	4884524	0.01934846	<0.001	TRUE	1
<i>Candida albicans</i>	cal	Fungi	13183	147	1007290	28785	858	1035217	0.0008288117	0.005	TRUE	1
<i>Catenaria anguillulae</i>	can	Fungi	16539	19383	2745519	2229818	180050	4795287	0.03754728	<b>0.021</b>	FALSE	1
<i>Cercospora zaeae</i>	cze	Fungi	11803	15236	9223839	1622032	151937	10693934	0.01420777	<0.001	TRUE	1
<i>Ceriporiopsis subvermispora</i>	ces	Fungi	10089	59706	2653085	4217671	213190	6657566	0.03202221	<0.001	TRUE	1
<i>Cladonia grayi</i>	clg	Fungi	9748	22319	1835656	2327291	67811	4095136	0.01655891	<0.001	TRUE	1
<i>Cladosporium fulvum</i>	cfu	Fungi	9510	16118	7850940	1642811	46044	9447707	0.004873564	<0.001	TRUE	1
<i>Cochliobolus heterostrophus</i>	che	Fungi	11816	21075	3811732	1954494	141331	5624895	0.02512598	<0.001	TRUE	1
<i>Coemansia reversa</i>	cor	Fungi	9135	3500	4047529	808087	90913	4764703	0.01908052	<0.001	TRUE	1
<i>Coniophora puteana</i>	cpu	Fungi	14432	64713	2865492	5048994	231885	7682601	0.03018314	<0.001	TRUE	1
<i>Coprinopsis cinerea</i>	cci	Fungi	9658	59940	2656233	4316923	108209	6864947	0.01576254	<0.001	TRUE	1
<i>Cronartium quercuum</i>	cqu	Fungi	84116	43532	22623056	4927204	728997	26821263	0.02717982	<0.001	TRUE	1
<i>Cryptococcus neoformans</i>	cne	Fungi	4999	32132	1264454	2150056	24133	3390377	0.007118087	<0.001	TRUE	1
<i>Dactylosporangium sp</i>	dac	Fungi	9721	36009	2323504	2372600	106031	4590073	0.02310007	<0.001	TRUE	1
<i>Daldinia eschscholzii</i>	des	Fungi	13572	19931	983617	1780959	35689	2728887	0.01307823	<0.001	TRUE	1
<i>Debaromyces hansenii</i>	dha	Fungi	1485	3	181485	1551	0	183036	0	<b>0.389</b>	FALSE	1
<i>Dekkera bruxellensis</i>	dbr	Fungi	4518	1839	368015	51698	14488	870525	0.01664283	<b>0.382</b>	FALSE	1
<i>Dichomitus squalens</i>	dsq	Fungi	13149	54139	4505547	4612079	264126	8853500	0.02983295	<0.001	TRUE	1
<i>Dothistroma septosporum</i>	dse	Fungi	4750	13329	1107238	1202518	49645	2260111	0.02196574	<b>0.074</b>	FALSE	1
<i>Encephalitozoon cuniculi</i>	ecu	Fungi	68	3	49275	104	0	49379	0	<b>0.217</b>	FALSE	1
<i>Eurotium herbariorum</i>	ehe	Fungi	9558	19601	1209323	1519202	48023	2680502	0.01791567	<0.001	TRUE	1
<i>Fomitiporia mediterranea</i>	fme	Fungi	13811	53339	23726370	4318422	521597	27523195	0.01895118	<0.001	TRUE	1
<i>Fomitopsis pinicola</i>	fpi	Fungi	14264	60469	3796494	4915016	317579	8393931	0.03783436	<0.001	TRUE	1
<i>Fusarium oxysporum</i>	fox	Fungi	15670	26782	12701568	2649029	452420	14898177	0.03036747	0.001	TRUE	1
<i>Galerina marginata</i>	gam	Fungi	28451	85491	7559880	6371140	609716	13321304	0.04576999	<0.001	TRUE	1
<i>Ganoderma sp</i>	gan	Fungi	11941	58886	2403781	4797474	135113	7066142	0.01912118	<0.001	TRUE	1
<i>Gibberella moniliformis</i>	gmf	Fungi	8810	22901	602889	2163425	12668	2753646	0.004600446	<0.001	TRUE	1
<i>Gloeophyllum trabeum</i>	gtr	Fungi	11402	56320	3783226	4143255	175650	7750831	0.02266209	<0.001	TRUE	1
<i>Gonapodya prolifera</i>	gpr	Fungi	13053	60277	2460989	5670167	274040	7857116	0.03487794	<0.001	TRUE	1
<i>Gymnopus luxurians</i>	glu	Fungi	38751	87531	16033602	6994062	1361895	21665769	0.0628593	<0.001	TRUE	1
<i>Hanseniaspora valbyensis</i>	hva	Fungi	12250	842	702363	397658	22633	1077388	0.02100729	0.002	TRUE	1
<i>Hansenula polymorpha</i>	hpo	Fungi	879	820	129887	89296	1337	217846	0.006137363	<b>0.306</b>	FALSE	1
<i>Hebeloma cylindrosporum</i>	hcy	Fungi	12964	61586	2824225	4146748	193854	6777119	0.02860419	<0.001	TRUE	1
<i>Heterobasidion annosum</i>	han	Fungi	14433	55457	6744689	4377163	494217	10627635	0.04650301	<0.001	TRUE	1
<i>Hydnomerulius pinastri</i>	hpi	Fungi	12960	60150	4692825	4517571	449057	8761339	0.05125438	<0.001	TRUE	1
<i>Hyphomycetes sublateritium</i>	hsu	Fungi	18913	71615	4262145	5232530	323279	9171396	0.03524861	<0.001	TRUE	1
<i>Hypoxyylon sp</i>	hyp	Fungi	8314	21473	3040784	1871978	34483	4878279	0.007068681	<0.001	TRUE	1
<i>Jaapia argillacea</i>	jar	Fungi	17026	69368	6332856	4832026	411593	10753289	0.03827601	<0.001	TRUE	1
<i>Laccaria bicolor</i>	lbc	Fungi	43632	84338	23980106	7708193	2786003	28902296	0.09639383	<b>0.059</b>	FALSE	1
<i>Lachancea thermotolerans</i>	lth	Fungi	1534	214	193957	29150	589	222518	0.002646977	<b>0.405</b>	FALSE	1
<i>Leptosphaeria maculans</i>	lpm	Fungi	15091	21699	15771851	2220307	66948	17925210	0.003734852	<0.001	TRUE	1
<i>Lipomyces starkeyi</i>	lst	Fungi	8093	14103	2381891	965672	55454	3292109	0.01684452	<0.001	TRUE	1
<i>Magnaporthe poae</i>	mpo	Fungi	16179	18540	1314461	2487425	45558	3756328	0.01212833	<0.001	TRUE	1

FUNGI   REPEATS   Introns-Exons												
<i>Malassezia globosa</i>	mgl	Fungi	1674	1939	108948	138828	1953	245823	0.007944741	<b>0.072</b>	FALSE	1
<i>Melampsora laricis</i>	mfp	Fungi	92139	27367	33677851	3683258	769140	36591969	0.02101937	<0.001	TRUE	1
<i>Metschnikowia bicuspidata</i>	mbi	Fungi	4504	1334	631731	277005	12718	896018	0.01419391	<b>0.186</b>	FALSE	1
<i>Mixia osmundae</i>	mox	Fungi	1537	23478	217820	1461523	10451	1668892	0.006262239	<0.001	TRUE	1
<i>Mucor circinelloides</i>	mci	Fungi	18917	31264	8307788	2649522	295313	10661997	0.02769772	<0.001	TRUE	1
<i>Mycosphaerella graminicola</i>	mgr	Fungi	10481	16700	7425483	2248579	130662	9543400	0.01369135	<0.001	TRUE	1
<i>Nadsonia fulvescens</i>	nfu	Fungi	4766	2916	286889	431842	10605	708126	0.01497615	<b>0.021</b>	FALSE	1
<i>Nectria haematococca</i>	nha	Fungi	10503	30003	1558818	2414058	57667	3915209	0.01472897	<0.001	TRUE	1
<i>Neurospora crassa</i>	ncr	Fungi	23387	16185	3389086	2181301	84672	5485715	0.015435	<0.001	TRUE	1
<i>Oidiodendron maius</i>	oma	Fungi	10699	31853	3269650	2757859	91903	5935606	0.01548334	<0.001	TRUE	1
<i>Paxillus rubicundulus</i>	pru	Fungi	33417	56962	20563775	4086841	969719	23680897	0.04094942	<0.001	TRUE	1
<i>Penicillium chrysogenum</i>	pec	Fungi	7824	23596	1772643	2022689	88918	3706414	0.0239903	<0.001	TRUE	1
<i>Phaeosphaeria nodorum</i>	pno	Fungi	5437	19830	2413735	1766354	19383	4160706	0.004658584	<0.001	TRUE	1
<i>Phanerochaete carnosa</i>	pca	Fungi	17101	54854	7749564	3912154	499602	11162116	0.04475872	<0.001	TRUE	1
<i>Phlebia brevispora</i>	pbr	Fungi	17696	70838	5913388	5442938	487450	10868876	0.04484824	<0.001	TRUE	1
<i>Phlebiopsis gigantea</i>	pgi	Fungi	5265	55330	335789	3708746	21418	4023117	0.00523733	<0.001	TRUE	1
<i>Pichia pastoris</i>	pip	Fungi	1112	493	63250	48401	483	111168	0.004344775	<b>0.146</b>	FALSE	1
<i>Pichia stipitis</i>	pic	Fungi	3490	2387	1000058	301805	25199	1276664	0.01973816	<b>0.031</b>	FALSE	1
<i>Piloderma croceum</i>	pcr	Fungi	32960	73446	12032068	5518368	657695	16892741	0.03893359	<0.001	TRUE	1
<i>Piriformospora indica</i>	pin	Fungi	5438	45633	1687512	2622433	120886	4189059	0.02885755	<0.001	TRUE	1
<i>Pisolithus microcarpus</i>	pmi	Fungi	27092	57916	22527918	4620545	1366067	25782396	0.05298449	<0.001	TRUE	1
<i>Pisolithus tinctorius</i>	pit	Fungi	28378	63846	34964428	5504827	2037969	38431286	0.0530289	<0.001	TRUE	1
<i>Pleurotus ostreatus</i>	pos	Fungi	9568	59981	3728983	4481315	363619	7846679	0.0463405	<0.001	TRUE	1
<i>Plicaturopsis crispa</i>	plc	Fungi	11726	61091	2720806	4235447	268151	6688102	0.04009374	<0.001	TRUE	1
<i>Puccinia graminis</i>	pgr	Fungi	73023	52260	32646625	5255654	576850	37325429	0.01545461	<0.001	TRUE	1
<i>Punctularia strigosozonata</i>	pst	Fungi	10287	55882	2683009	3893393	157229	6419173	0.02449365	<0.001	TRUE	1
<i>Pyrenophora teres</i>	pte	Fungi	9491	17155	1043016	1523659	60986	2505689	0.02433901	0.001	TRUE	1
<i>Rhizopus oryzae</i>	ror	Fungi	31503	38028	14321801	2919510	539490	16701821	0.03230127	<0.001	TRUE	1
<i>Rhytidhysteron rufulum</i>	rfu	Fungi	11468	24827	561878	2197117	27504	2731491	0.01006923	<0.001	TRUE	1
<i>Saccharomyces cerevisiae</i>	sce	Fungi	4373	197	912844	41547	3149	951242	0.003310409	<b>0.467</b>	FALSE	1
<i>Saitoella complicata</i>	sco	Fungi	4364	8016	484108	579920	13274	1050754	0.01263283	<0.001	TRUE	1
<i>Schizophyllum commune</i>	scm	Fungi	12135	59812	2878963	4644848	297988	7225823	0.04123932	<0.001	TRUE	1
<i>Schizosaccharomyces pombe</i>	spo	Fungi	3383	4834	611298	396305	10998	996605	0.01103547	<0.001	TRUE	1
<i>Sclerotinia citrinum</i>	sci	Fungi	34456	63119	23964092	4965105	1551253	27377944	0.05666068	<0.001	TRUE	1
<i>Sclerotinia sclerotiorum</i>	scs	Fungi	15212	17483	2327344	2360251	131319	4556276	0.02882156	<0.001	TRUE	1
<i>Septoria musiva</i>	smu	Fungi	22647	12254	3530488	1278432	137264	4671656	0.0293823	0.009	TRUE	1
<i>Serpula lacrymans</i>	sla	Fungi	15985	56736	13992049	4186194	657788	17520455	0.037544	<0.001	TRUE	1
<i>Setosphaeria turica</i>	set	Fungi	26550	18570	6242373	1758245	124261	7876357	0.01577646	<0.001	TRUE	1
<i>Spizellomyces punctatus</i>	spt	Fungi	4309	40383	1293206	2888289	23198	4158297	0.005578726	<0.001	TRUE	1
<i>Stereum hirsutum</i>	shi	Fungi	17590	72346	2771855	6317047	237396	8851506	0.02681984	<0.001	TRUE	1
<i>Trametes versicolor</i>	tve	Fungi	15030	64144	3254496	5241391	262301	8233586	0.03185744	<0.001	TRUE	1
<i>Trichoderma citrinoviride</i>	tci	Fungi	11806	17151	747328	1958073	44623	2660778	0.01677066	<b>0.491</b>	FALSE	1
<i>Tuber melanosporum</i>	tme	Fungi	66951	20958	70045662	2210220	391102	71864780	0.005442193	<0.001	TRUE	1
<i>Tulasnella calospora</i>	tuc	Fungi	28807	67768	10220434	6617785	894830	15943389	0.05612546	<0.001	TRUE	1
<i>Verticillium dahliae</i>	vda	Fungi	11977	18454	1661922	1817528	31568	3447882	0.009155766	<0.001	TRUE	1
<i>Wickerhamomyces anomalous</i>	wan	Fungi	5497	2430	539272	323245	15925	846592	0.01881071	<b>0.014</b>	FALSE	1
<i>Wolfiporia cocos</i>	wco	Fungi	27698	59069	15415831	5417480	1185770	19647541	0.06035208	<0.001	TRUE	1
<i>Xanthoria parietina</i>	xpa	Fungi	7302	21009	4864523	2142234	253444	6753313	0.03752884	<0.001	TRUE	1
<i>Yarrowia lipolytica</i>	yli	Fungi	8382	874	1032329	239726	4353	1267702	0.003433772	<0.001	TRUE	1
<i>Zasmidium cellare</i>	zce	Fungi	6849	23551	537172	1948772	19422	2466522	0.007874246	<0.001	TRUE	1
<i>Zygosaccharomyces rouxi</i>	zro	Fungi	4098	119	339619	14477	124	353972	0.0003503102	0.01	TRUE	1