

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>

PLANTAE		EXONS		TRUE	86.49	PLANTAE		INTRONS		TRUE	86.67	
PLANTAE	EXONS	EXONS	EXONS	FALSE	13.51	PLANTAE	INTRONS	INTRONS	FALSE	13.33		
PLANTAE 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>Aethionema arabicum</i>	aar	Viridiplantae	192857	175351	53323426	44655876	14438522	83540780	0.172832	<0.001	FALSE	0
<i>Beta vulgaris</i>	bvu	Viridiplantae	566981	252296	265839245	78825381	48268550	296396076	0.1628515	<0.001	FALSE	0
<i>Camelina sativa</i>	cam	Viridiplantae	796753	417609	313923270	101211845	52614893	362520222	0.1451364	<0.001	FALSE	0
<i>Helicosporidium sp</i>	hel	Viridiplantae	3433	7680	283284	3013469	126764	3169989	0.03998878	0.17	TRUE	0
<i>Leavenworthia alabamica</i>	lal	Viridiplantae	144743	199783	40678809	46667513	10330990	77015332	0.134142	<0.001	FALSE	0
<i>Malus domestica</i>	mdo	Viridiplantae	445408	242441	206509297	61300780	20177456	247632621	0.08148141	0.034	FALSE	0
<i>Oryza sativa</i>	osa	Viridiplantae	386448	234737	173623771	77979145	38961132	212641784	0.1832243	<0.001	FALSE	0
<i>Sisymbrium irio</i>	sir	Viridiplantae	193135	220785	73501940	56439614	20676213	109265341	0.1892294	<0.001	FALSE	0
<i>Solanum melongena</i>	sme	Viridiplantae	702552	439184	545295152	92583111	62706053	575172210	0.1090214	<0.001	FALSE	0
<i>Theobroma cacao</i>	tca	Viridiplantae	206449	211385	145186488	52977068	22890925	175272631	0.1306018	<0.001	FALSE	0
<i>Actinidia chinensis</i>	ach	Viridiplantae	788293	178186	256369176	41640330	4891934	293111572	0.01668932	<0.001	TRUE	1
<i>Aegilops tauschii</i>	ata	Viridiplantae	761431	164336	682807163	40479955	3264704	720022414	0.00453417	<0.001	TRUE	1
<i>Amborella trichopoda</i>	atr	Viridiplantae	700988	109638	406027735	25580792	2567279	429041248	0.005983758	<0.001	TRUE	1
<i>Aquilegia coerulea</i>	aco	Viridiplantae	240487	123546	146408622	30544832	4598875	172354579	0.02668264	<0.001	TRUE	1
<i>Arabidopsis lyrata</i>	aly	Viridiplantae	149896	153020	65167398	34418091	3716122	95869367	0.03876235	<0.001	TRUE	1
<i>Arabidopsis thaliana</i>	ath	Viridiplantae	764443	139576	22032429	33083926	2511892	52604463	0.04775055	<0.001	TRUE	1
<i>Asterochloris sp</i>	asp	Viridiplantae	12108	65925	1370271	9918105	234835	11053541	0.02124523	0.458	FALSE	1
<i>Bathyccus prasinos</i>	bpr	Viridiplantae	17625	9196	1053239	12312822	779577	12586484	0.06193763	<0.001	TRUE	1
<i>Brachypodium distachyon</i>	bdi	Viridiplantae	214096	132331	97316026	33916577	3025237	128207366	0.02359644	<0.001	TRUE	1
<i>Brassica rapa</i>	brp	Viridiplantae	280612	205151	86355715	47712847	5797950	128270612	0.04520092	<0.001	TRUE	1
<i>Cajanus cajan</i>	cca	Viridiplantae	582732	172541	289301127	46199226	17413793	318086560	0.05474545	<0.001	TRUE	1
<i>Capsella rubella</i>	cru	Viridiplantae	110739	136788	26444311	32985442	2619306	56810447	0.04610606	<0.001	TRUE	1
<i>Capsicum annuum</i>	cap	Viridiplantae	1656686	108179	2141797822	30796176	4035336	2168558662	0.001860838	<0.001	TRUE	1
<i>Carica papaya</i>	cpp	Viridiplantae	205923	110590	102880547	24506102	2298737	125087912	0.01837697	<0.001	TRUE	1
<i>Chlamydomonas reinhardtii</i>	cre	Viridiplantae	173758	148858	25393821	38996831	7281146	57055506	0.1276151	<0.001	TRUE	1
<i>Chlorella variabilis</i>	cva	Viridiplantae	63793	80057	5634467	13292007	1237361	17689113	0.06995043	<0.001	TRUE	1
<i>Cicer arietinum</i>	car	Viridiplantae	454554	138459	262848385	32827062	6718632	288956815	0.02325134	<0.001	TRUE	1
<i>Citrullus lanatus</i>	cla	Viridiplantae	478075	106664	154499633	25895223	1797245	178597611	0.0100631	<0.001	TRUE	1
<i>Citrus clementina</i>	ccl	Viridiplantae	277620	126840	140793885	31846275	6495489	166144671	0.03909538	<0.001	TRUE	1
<i>Citrus sinensis</i>	csi	Viridiplantae	209185	119800	74686406	29302297	3792781	100195922	0.03785365	<0.001	TRUE	1
<i>Coccomyxa subellipsoidea</i>	csu	Viridiplantae	17741	76904	2944894	12252137	490523	14706508	0.03335414	<0.001	TRUE	1
<i>Coffea canephora</i>	cof	Viridiplantae	391867	129753	279984667	30693521	5372624	305305564	0.01759753	<0.001	TRUE	1
<i>Cucumis melo</i>	cml	Viridiplantae	361355	107692	154276233	25877315	2504744	177648804	0.01409941	<0.001	TRUE	1
<i>Cucumis sativus</i>	csa	Viridiplantae	218620	110357	39153954	25497914	1415469	63236399	0.02238377	<0.001	TRUE	1
<i>Elaeis guineensis</i>	egu	Viridiplantae	630533	144355	429459010	34623934	2578664	461504280	0.005587519	<0.001	TRUE	1
<i>Eucalyptus grandis</i>	egr	Viridiplantae	652677	166994	382295171	42332214	16843873	407783512	0.04130592	<0.001	TRUE	1
<i>Fragaria vesca</i>	fve	Viridiplantae	180962	166535	62123780	38744145	5541123	95326802	0.05812765	<0.001	TRUE	1
<i>Genlisea aurea</i>	gau	Viridiplantae	45324	77999	4193708	16577388	376127	20394969	0.01844215	<0.001	TRUE	1
<i>Glycine max</i>	gma	Viridiplantae	686968	277951	432238759	64160815	5156224	491243350	0.01049627	<0.001	TRUE	1

PLANTAE REPEATS Introns-Exons												
<i>Gossypium raimondii</i>	gra	Viridiplantae	639220	188679	510929858	45352271	6475069	549807060	0.01177698	<0.001	TRUE	1
<i>Hordeum vulgare</i>	hvu	Viridiplantae	315139	100006	53765930	27056872	1302179	79520623	0.01637536	<0.001	TRUE	1
<i>Linum usitatissimum</i>	lus	Viridiplantae	275325	217630	88563698	51930791	8128687	132365802	0.06141078	<0.001	TRUE	1
<i>Lotus japonicus</i>	lja	Viridiplantae	201117	82670	86027174	21007645	2587983	104446836	0.02477799	<0.001	TRUE	1
<i>Manihot esculenta</i>	mes	Viridiplantae	336500	148476	16631215	35647627	2426589	199532253	0.01216139	<0.001	TRUE	1
<i>Medicago truncatula</i>	mtr	Viridiplantae	347043	168921	119958040	39001420	12806026	146153434	0.08762042	<0.001	TRUE	1
<i>Micromonas pusilla</i>	mpu	Viridiplantae	42373	20182	3557051	14369996	1601260	16325787	0.09808164	<0.001	TRUE	1
<i>Micromonas spRCC299</i>	mic	Viridiplantae	15504	15253	1322952	14613690	747829	15188813	0.04923551	<0.001	TRUE	1
<i>Mimulus guttatus</i>	mgu	Viridiplantae	346809	133550	170743536	31417914	4265711	197895739	0.02155535	<0.001	TRUE	1
<i>Musa acuminata</i>	mac	Viridiplantae	233113	195752	167067330	37599016	3160443	201505903	0.01568412	<0.001	TRUE	1
<i>Nelumbo nucifera</i>	nnu	Viridiplantae	902610	135438	396450229	32823240	2956711	426316758	0.006935479	<0.001	TRUE	1
<i>Ostreococcus sp</i>	osp	Viridiplantae	13027	10171	976827	9545391	439318	10082900	0.0435706	<0.001	TRUE	1
<i>Phalaenopsis equestris</i>	peq	Viridiplantae	791816	112683	498516882	25716995	2983568	521250309	0.005723868	<0.001	TRUE	1
<i>Phaseolus vulgaris</i>	pvu	Viridiplantae	407951	143065	254119058	34526546	4051650	284593954	0.0142366	<0.001	TRUE	1
<i>Phoenix dactylifera</i>	pda	Viridiplantae	263630	146338	555050566	30172252	3800744	81870704	0.04642012	<0.001	TRUE	1
<i>Phyllostachys heterocycla</i>	phe	Viridiplantae	1119896	166300	990782377	38346297	3581514	1025547160	0.003492296	<0.001	TRUE	1
<i>Physcomitrella patens</i>	ppa	Viridiplantae	289528	150395	257950383	34271097	1190865	291030615	0.004091889	<0.001	TRUE	1
<i>Populus trichocarpa</i>	ptr	Viridiplantae	421608	192327	159331685	45920911	8274633	196977963	0.04200791	<0.001	TRUE	1
<i>Prunus mume</i>	pmu	Viridiplantae	271674	142600	85831569	35640959	8605787	112866741	0.07624732	<0.001	TRUE	1
<i>Prunus persica</i>	ppe	Viridiplantae	227239	135453	100036570	33710078	7637829	126108819	0.06056538	<0.001	TRUE	1
<i>Pyrus bretschneideri</i>	pyb	Viridiplantae	561228	200381	269983956	49409406	10309273	309084089	0.03335427	<0.001	TRUE	1
<i>Ricinus communis</i>	rcu	Viridiplantae	234655	123027	133351511	28494475	1022091	160823895	0.006355343	<0.001	TRUE	1
<i>Selaginella moellendorffii</i>	smo	Viridiplantae	156708	121757	115764727	25364537	7524546	133604718	0.05631946	<0.001	TRUE	1
<i>Sesamum indicum</i>	ssi	Viridiplantae	266410	133674	107246611	32068031	2892556	136422086	0.02120299	<0.001	TRUE	1
<i>Setaria italica</i>	sit	Viridiplantae	271307	154630	200428529	39577589	5574520	234431598	0.02377888	<0.001	TRUE	1
<i>Solanum lycopersicum</i>	sly	Viridiplantae	564117	154694	517078460	35798815	4993984	547883291	0.009115051	<0.001	TRUE	1
<i>Solanum tuberosum</i>	stu	Viridiplantae	578848	126073	370439143	33699925	9159518	394979550	0.02318985	<0.001	TRUE	1
<i>Sorghum bicolor</i>	sbi	Viridiplantae	372441	145606	423978541	39405775	6397341	456986975	0.01399896	<0.001	TRUE	1
<i>Spirodela polyrhiza</i>	spi	Viridiplantae	101166	100504	27308084	21628850	2526158	46410776	0.05443042	<0.001	TRUE	1
<i>Tarenaya hassleriana</i>	tah	Viridiplantae	184585	154117	82397943	35449983	3405345	114442581	0.02975593	<0.001	TRUE	1
<i>Thellungiella halophila</i>	tha	Viridiplantae	142683	136724	123850242	32157069	2733076	153274235	0.01783128	<0.001	TRUE	1
<i>Utricularia gibba</i>	ugi	Viridiplantae	41697	115070	10763825	28013569	2083272	36694122	0.056774	<0.001	TRUE	1
<i>Vitis vinifera</i>	vvi	Viridiplantae	476933	154569	267148070	29782660	5666162	291264568	0.01945366	<0.001	TRUE	1
<i>Volvox carteri</i>	vcn	Viridiplantae	176951	106287	35552274	23626084	2516993	56661365	0.04442168	<0.001	TRUE	1
<i>Zea mays</i>	zma	Viridiplantae	823791	220009	1707605014	51758777	4360236	1755003555	0.00248446	<0.001	TRUE	1

PLANTAE Jaccard measurements for INTRONS

Species name	Abbreviation	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>Aethionema arabicum</i>	aar	Viridiplantae	186860	137613	50199902	31253476	8128578	73324800	0.1108571	<0.001	FALSE	0
<i>Chlorella variabilis</i>	cva	Viridiplantae	63744	70290	5609288	14479983	1954398	18134873	0.1077702	<0.001	FALSE	0
<i>Malus domestica</i>	mdo	Viridiplantae	445408	200152	206509297	72559619	24167854	254901062	0.09481268	<0.001	FALSE	0
<i>Micromonas pusilla</i>	mpu	Viridiplantae	42373	9571	3557051	1823974	856758	4524267	0.1893695	<0.001	FALSE	0
<i>Micromonas spRCC299</i>	mic	Viridiplantae	15504	5254	1322952	869969	68023	2124898	0.03201236	0.001	FALSE	0
<i>Nelumbo nucifera</i>	nnu	Viridiplantae	900526	111015	394731297	225878563	109255713	511354147	0.2136596	<0.001	FALSE	0
<i>Ostreococcus sp</i>	osp	Viridiplantae	13027	2702	976827	537296	76809	1437314	0.05343926	<0.001	FALSE	0
<i>Phalaenopsis equestris</i>	peq	Viridiplantae	767125	85280	469130447	243976417	119043664	594063200	0.2003889	<0.01	FALSE	0
<i>Sisymbrium irio</i>	sir	Viridiplantae	187869	177238	70852419	36829275	10066676	97615018	0.1031263	<0.001	FALSE	0
<i>Solanum melongena</i>	sme	Viridiplantae	688692	354219	538169245	215265241	145954215	607480271	0.2402617	<0.001	FALSE	0
<i>Actinidia chinensis</i>	ach	Viridiplantae	788293	139429	256369176	163491487	43412157	376448506	0.1153203	<0.001	TRUE	1
<i>Aegilops tauschii</i>	ata	Viridiplantae	709027	130680	627780991	56254111	7498528	676536574	0.0110837	<0.001	TRUE	1
<i>Amborella trichopoda</i>	atr	Viridiplantae	695529	83342	402132613	125784582	45844324	482072871	0.09509833	<0.001	TRUE	1
<i>Aquilegia coerulea</i>	aco	Viridiplantae	240258	99244	146256778	44010293	5340391	184926680	0.02887842	<0.001	TRUE	1
<i>Arabidopsis lyrata</i>	aly	Viridiplantae	149896	121061	65167398	24948676	4201088	85464986	0.04915566	<0.001	TRUE	1
<i>Arabidopsis thaliana</i>	ath	Viridiplantae	76443	112404	22032429	17500978	590664	38942743	0.0151675	<0.001	TRUE	1

PLANTAE REPEATS Introns-Exons												
<i>Asterochloris</i> sp	asp	Viridiplantae	12106	58789	1368865	22398297	349280	23417882	0.0149151	<0.001	TRUE	1
<i>Bathycoccus prasinos</i>	bpr	Viridiplantae	17625	1389	1053239	227301	16705	1263835	0.01321771	0.168	FALSE	1
<i>Beta vulgaris</i>	bvu	Viridiplantae	557511	188412	260274977	93954101	35142994	319086084	0.1101364	<0.001	TRUE	1
<i>Brachypodium distachyon</i>	bdi	Viridiplantae	214096	105785	97316026	41163578	4591168	133888436	0.034291	<0.001	TRUE	1
<i>Brassica rapa</i>	brp	Viridiplantae	280177	164332	86118987	34084597	6081533	114122051	0.05328973	<0.001	TRUE	1
<i>Cajanus cajan</i>	cca	Viridiplantae	569049	125261	274004411	66371117	19466439	320909089	0.06066029	<0.001	TRUE	1
<i>Camelina sativa</i>	cam	Viridiplantae	795690	336717	313246511	75100745	20235214	368112042	0.05497026	<0.001	TRUE	1
<i>Capsella rubella</i>	cru	Viridiplantae	110444	110301	26260372	18436835	794867	43902340	0.01810534	<0.001	TRUE	1
<i>Capsicum annuum</i>	cap	Viridiplantae	1656686	77947	2141797822	42426058	8951474	2175272406	0.004115105	<0.001	TRUE	1
<i>Carica papaya</i>	cpp	Viridiplantae	195557	83447	93969773	39665761	5616066	128046468	0.04385959	<0.001	TRUE	1
<i>Chlamydomonas reinhardtii</i>	cre	Viridiplantae	173744	131156	25320212	35207166	6734421	53792957	0.1251915	<0.001	TRUE	1
<i>Cicer arietinum</i>	car	Viridiplantae	449264	110187	252099116	52737489	13765625	291070980	0.04729302	<0.001	TRUE	1
<i>Citrullus lanatus</i>	cla	Viridiplantae	478075	83270	154499633	38601492	6406478	186694647	0.03431527	<0.001	TRUE	1
<i>Citrus clementina</i>	ccl	Viridiplantae	277448	101438	140650995	33776028	4213337	170213686	0.02475322	<0.001	TRUE	1
<i>Citrus sinensis</i>	csi	Viridiplantae	201833	94632	70933324	31825441	2255514	100503251	0.0224422	<0.001	TRUE	1
<i>Coccomyxa subellipsoidea</i>	csu	Viridiplantae	17732	67302	2944284	19078442	1049209	20973517	0.05002542	<0.001	TRUE	1
<i>Coffea canephora</i>	cof	Viridiplantae	391867	104174	279984667	50265069	6239940	324009796	0.01925849	<0.001	TRUE	1
<i>Cucumis melo</i>	cml	Viridiplantae	357271	80719	151945162	39124278	7031676	184037764	0.03820779	<0.001	TRUE	1
<i>Cucumis sativus</i>	csa	Viridiplantae	217787	89069	38960835	40015710	5340540	73636005	0.07252621	<0.001	TRUE	1
<i>Elaeis guineensis</i>	egu	Viridiplantae	620759	118595	417456070	171256696	36968129	551744637	0.06700224	<0.001	TRUE	1
<i>Eucalyptus grandis</i>	egr	Viridiplantae	647170	131050	378828083	54117983	12615477	420330589	0.03001323	<0.001	TRUE	1
<i>Fragaria vesca</i>	fve	Viridiplantae	180962	133821	62123780	54715514	12729830	104109464	0.1222735	<0.001	TRUE	1
<i>Genlisea aurea</i>	gau	Viridiplantae	41170	60867	3706379	8029248	483357	11252270	0.0429564	<0.001	TRUE	1
<i>Glycine max</i>	gma	Viridiplantae	686793	224347	432210720	107219353	14008682	525421391	0.0266618	<0.001	TRUE	1
<i>Gossypium raimondii</i>	gra	Viridiplantae	639050	151397	510844602	50847579	9734518	55197663	0.01763635	<0.001	TRUE	1
<i>Helicosporidium</i> sp	hel	Viridiplantae	2437	4294	207045	737742	13188	931599	0.01415631	<0.001	TRUE	1
<i>Hordeum vulgare</i>	hvu	Viridiplantae	302695	76273	50841641	25631838	753486	75719993	0.009950952	<0.001	TRUE	1
<i>Leavenworthia alabamica</i>	lal	Viridiplantae	141259	161206	39048240	29696563	5491739	63253064	0.08682171	<0.001	TRUE	1
<i>Linum usitatissimum</i>	lus	Viridiplantae	274526	174616	88153541	46704409	7432735	127425125	0.05833017	<0.001	TRUE	1
<i>Lotus japonicus</i>	lja	Viridiplantae	201117	60864	86027174	23914291	3423296	106518169	0.03213814	<0.001	TRUE	1
<i>Manihot esculenta</i>	mes	Viridiplantae	327785	117863	158485807	46989767	4060584	201414990	0.02016029	<0.001	TRUE	1
<i>Medicago truncatula</i>	mtr	Viridiplantae	347010	124808	119948697	54588358	16727517	157809538	0.1059981	<0.001	TRUE	1
<i>Mimulus guttatus</i>	mgu	Viridiplantae	345325	106867	169550527	29591103	5579071	193562559	0.02882309	<0.001	TRUE	1
<i>Musa acuminata</i>	mac	Viridiplantae	233113	159233	167067330	92111212	10762353	248416189	0.04332388	<0.001	TRUE	1
<i>Oryza sativa</i>	osa	Viridiplantae	386448	177092	173623771	67982289	23572947	218033113	0.1081164	<0.001	TRUE	1
<i>Phaseolus vulgaris</i>	pvu	Viridiplantae	407766	116023	254039638	53504123	7532644	300011117	0.02510788	<0.001	TRUE	1
<i>Phoenix dactylifera</i>	pda	Viridiplantae	252563	117813	52366860	79562993	8662137	123267716	0.07027093	<0.001	TRUE	1
<i>Phyllostachys heterocycla</i>	phe	Viridiplantae	1093954	134703	964125829	59547001	9624025	1014048805	0.009490692	<0.001	TRUE	1
<i>Physcomitrella patens</i>	ppa	Viridiplantae	288568	117821	256912232	30947525	741426	287118331	0.02582301	<0.001	TRUE	1
<i>Populus trichocarpa</i>	ptr	Viridiplantae	418805	151153	157753096	48988241	3769909	202971428	0.01857359	<0.001	TRUE	1
<i>Prunus mume</i>	pmu	Viridiplantae	269836	11722	84837232	41810626	8436378	118211480	0.07136682	<0.001	TRUE	1
<i>Prunus persica</i>	ppe	Viridiplantae	227210	107647	100024723	33560092	4639251	128945564	0.03597837	<0.001	TRUE	1
<i>Pyrus bretschneideri</i>	pyb	Viridiplantae	558960	158034	267060276	60346682	13891247	313515711	0.04430798	<0.001	TRUE	1
<i>Ricinus communis</i>	rcu	Viridiplantae	230446	96104	126095955	36439773	2951722	159584006	0.01849635	<0.001	TRUE	1
<i>Selaginella moellendorffii</i>	smo	Viridiplantae	156571	99505	115713705	10814961	3645084	122883582	0.0296629	<0.001	TRUE	1
<i>Sesamum indicum</i>	ssi	Viridiplantae	265941	109857	106746642	48720504	5911316	149555830	0.03952581	<0.001	TRUE	1
<i>Setaria italica</i>	sit	Viridiplantae	271168	119821	200323081	38172986	3461516	235034551	0.01472769	<0.001	TRUE	1
<i>Solanum lycopersicum</i>	sly	Viridiplantae	564117	119974	51078460	64692469	12845596	568925333	0.0225787	<0.001	TRUE	1
<i>Solanum tuberosum</i>	stu	Viridiplantae	578848	91376	370439143	55129333	18792132	406776344	0.0461977	<0.001	TRUE	1
<i>Sorghum bicolor</i>	sbi	Viridiplantae	372441	111239	423978541	49069505	11838612	461209434	0.02566862	<0.001	TRUE	1
<i>Spirodetes polyrhiza</i>	spi	Viridiplantae	101166	80815	27308084	44596922	4942988	66962018	0.07381779	<0.001	TRUE	1
<i>Tarenaya hassleriana</i>	tah	Viridiplantae	182787	127268	79394045	30237590	3850317	105781318	0.03639884	<0.001	TRUE	1
<i>Thellungiella halophila</i>	tha	Viridiplantae	142595	110360	123790788	19010369	1212204	141588953	0.008561431	<0.001	TRUE	1
<i>Theobroma cacao</i>	tca	Viridiplantae	206449	165371	145186488	54891996	14726846	185351638	0.07945355	<0.001	TRUE	1
<i>Triticum urartu</i>	tut	Viridiplantae	708725	121659	687795105	69667331	13369620	744092816	0.01796768	<0.001	TRUE	1
<i>Utricularia gibba</i>	ugi	Viridiplantae	39600	88202	10049061	15737207	791269	24994999	0.03165709	<0.001	TRUE	1
<i>Vitis vinifera</i>	vvi	Viridiplantae	476933	128236	267148070	125194856	51437790	340905136	0.1508859	<0.001	TRUE	1
<i>Volvox carteri</i>	vcn	Viridiplantae	176858	91417	35513190	37473197	6097147	66889240	0.09115288	<0.001	TRUE	1
<i>Zea mays</i>	zma	Viridiplantae	823791	161973	1707605014	102772939	41454637	1768923316	0.02343495	<0.001	TRUE	1