

Table 5 List and distribution of secretion-associated proteins of the fungal genomes belonging to the subphylum Saccharomycotina and Taphrinomycotina archived in FSD

Species	Size (Mb)	# of ORFs	Class SP	Class SP ³	Class SL	Putative Secretome	Ref
Fungi (Kingdom) ^a							
Ascomycota (Phylum)							
Saccharomycotina (Subphylum)							
<i>Candida albicans</i> SCS5314	14.3	6,185	321	405	87	813	[70,71]
<i>Candida albicans</i> WO-1	14.5	6,160	310	385	78	773	[72]
<i>Candida dubliniensis</i> ^b	14.5	6,027	308	340	71	719	N
<i>Candida glabrata</i> CBS138	12.3	5,165	231	290	49	570	[73]
<i>Candida guilliermondii</i>	10.6	5,920	279	400	63	742	[72]
<i>Candida lusitanae</i>	12.1	5,941	310	482	50	842	[72]
<i>Candida parapsilosis</i>	13.1	5,733	308	321	83	712	[72]
<i>Candida tropicalis</i>	14.6	6,258	360	373	76	809	[72,74]
<i>Debaryomyces hansenii</i>	12.2	6,354	254	357	74	685	[73]
<i>Eremothecium gossypii</i>	8.8	4,717	204	333	35	572	[75]
<i>Kluyveromyces lactis</i>	10.7	5,327	248	304	60	612	[73]
<i>Kluyveromyces polysporus</i>	14.7	5,367	219	276	58	553	[76]
<i>Kluyveromyces waltii</i>	10.9	4,935	187	280	41	508	[77]
<i>Lodderomyces elongisporus</i>	15.5	5,802	253	351	50	654	[72]
<i>Pichia stipitis</i>	15.4	5,839	263	374	58	695	[78]
<i>Saccharomyces bayanus</i> 623-6C YM4911	11.9	4,966	200	275	44	519	[79]
<i>Saccharomyces bayanus</i> MCYC 623	11.5	9,385	663	767	141	1571	[80]
<i>Saccharomyces castellii</i>	11.4	4,677	177	240	46	463	[79]
<i>Saccharomyces cerevisiae</i> 273614N	12.5	5,354	223	261	51	535	[81]
<i>Saccharomyces cerevisiae</i> 322134S	12.5	5,382	224	290	53	567	[81]
<i>Saccharomyces cerevisiae</i> 378604X	12.5	5,400	232	267	53	552	[81]
<i>Saccharomyces cerevisiae</i> AWRI1631	11.2	5,451	220	364	63	647	N
<i>Saccharomyces cerevisiae</i> BC187	12.5	5,332	226	263	47	536	[81]
<i>Saccharomyces cerevisiae</i> DBVPG1106	12.5	5,318	225	253	52	530	[81]
<i>Saccharomyces cerevisiae</i> DBVPG1373	12.4	5,349	229	260	48	537	[81]
<i>Saccharomyces cerevisiae</i> DBVPG1788	12.4	5,347	227	263	46	536	[81]
<i>Saccharomyces cerevisiae</i> DBVPG1853	12.5	5,359	224	265	51	540	[81]
<i>Saccharomyces cerevisiae</i> DBVPG6040	12.6	5,364	221	271	50	542	[81]
<i>Saccharomyces cerevisiae</i> DBVPG6044	12.5	5,890	224	268	48	540	[81]
<i>Saccharomyces cerevisiae</i> DBVPG6765	12.2	5,377	230	263	48	541	[81]
<i>Saccharomyces cerevisiae</i> K11	12.5	5,375	228	270	52	550	[81]
<i>Saccharomyces cerevisiae</i> L_1374	12.4	5,346	225	264	55	544	[81]
<i>Saccharomyces cerevisiae</i> L_1528	12.4	5,346	227	258	48	533	[81]
<i>Saccharomyces cerevisiae</i> M22	10.8	6,755	249	399	62	710	[82]
<i>Saccharomyces cerevisiae</i> NCYC110	12.5	5,408	226	264	57	547	[81]
<i>Saccharomyces cerevisiae</i> NCYC361	12.6	5,360	228	261	49	538	[81]
<i>Saccharomyces cerevisiae</i> RM11-1a	11.7	5,696	264	283	63	610	N
<i>Saccharomyces cerevisiae</i> S288C	12.2	6,692	394	425	99	918	[83]
<i>Saccharomyces cerevisiae</i> SK1	12.4	5,433	233	269	55	557	[81]
<i>Saccharomyces cerevisiae</i> UWOPS03_461_4	12.6	5,329	218	268	51	537	[81]
<i>Saccharomyces cerevisiae</i> UWOPS05_217_3	12.6	5,350	217	264	47	528	[81]
<i>Saccharomyces cerevisiae</i> UWOPS05_227_2	12.6	5,334	220	266	51	537	[81]
<i>Saccharomyces cerevisiae</i> UWOPS83_787_3	12.6	5,392	225	269	51	545	[81]
<i>Saccharomyces cerevisiae</i> UWOPS87_2421	12.6	5,368	226	266	56	548	[81]
<i>Saccharomyces cerevisiae</i> W303	12.4	5,467	237	271	52	560	[81]
<i>Saccharomyces cerevisiae</i> Y12	12.6	5,370	223	268	57	548	[81]
<i>Saccharomyces cerevisiae</i> Y55	12.3	5,415	239	262	60	561	[81]

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<i>Saccharomyces cerevisiae</i> Y9	12.6	5,377	223	271	49	543	[81]
<i>Saccharomyces cerevisiae</i> Yllc17_E5	12.5	5,376	227	265	47	539	[81]
<i>Saccharomyces cerevisiae</i> YJM789	12.0	5,903	293	303	59	655	[84]
<i>Saccharomyces cerevisiae</i> YJM975	12.4	5,341	223	255	45	523	[81]
<i>Saccharomyces cerevisiae</i> YJM978	12.4	5,353	224	258	47	529	[81]
<i>Saccharomyces cerevisiae</i> YJM981	12.5	5,351	224	256	54	534	[81]
<i>Saccharomyces cerevisiae</i> YPS128	12.4	5,364	230	269	54	553	[81]
<i>Saccharomyces cerevisiae</i> YPS163	10.7	6,648	229	368	67	664	[82]
<i>Saccharomyces cerevisiae</i> YPS606	12.5	5,354	224	270	51	545	[81]
<i>Saccharomyces cerevisiae</i> YS2	12.6	5,383	221	254	50	525	[81]
<i>Saccharomyces cerevisiae</i> YS4	12.5	5,398	215	267	54	536	[81]
<i>Saccharomyces cerevisiae</i> YS9	12.6	5,373	226	265	51	542	[81]
<i>Saccharomyces kluyveri</i>	11.0	2,968	120	180	29	329	[79]
<i>Saccharomyces kudriavzevii</i>	11.2	3,768	187	195	28	410	[79]
<i>Saccharomyces mikatae</i>	11.5	9,016	575	630	154	1359	[80]
<i>Saccharomyces mikatae</i> WashU	10.8	3,100	161	154	24	339	[79]
<i>Saccharomyces paradoxus</i>	11.9	8,939	581	615	138	1334	[80]
<i>Yarrowia lipolytica</i>	20.5	6,524	409	464	75	948	[73]
Taphrinomycotina (Subphylum)							
<i>Pneumocystis carinii</i> ^{a, c}	6.3	4,020	129	333	35	497	N
<i>Schizosaccharomyces japonicus</i>	11.3	5,172	207	312	25	544	N
<i>Schizosaccharomyces octosporus</i>	11.2	4,925	190	263	26	479	N
<i>Schizosaccharomyces pombe</i>	12.6	5,058	192	288	36	516	[85]
Total	853.1	383,828	17,389	21,403	3,937	42,729	-

^a Taxonomy based on [69]

^b Insufficient exon/intron information

^c Incomplete coverage of genome information