

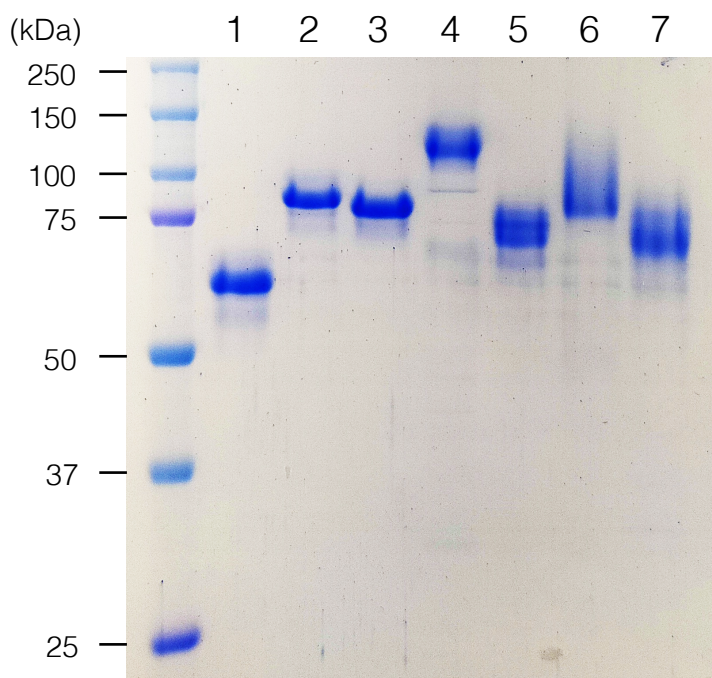


Fig S1. SDS-PAGE of recombinant proteins used in the adsorption tests.

Lane 1, *GtAA9*-CBD104; 2, *ScAA16*-CBM104; 3, *ScAA9*-CBM104; 4, *ScGH131*-CBM104; 5, *AgAA8*-CBM104; 6, *AeAA3*-CBM104; 7, *AtAA8-AA3*-CBM104. Each recombinant protein was fused with RFP. All recombinant proteins were heterologously expressed in *P. pastoris* and purified by column chromatography.

Table S2. The sequences hit by the blast search.

Organism	Dataset	Hit	Hap	Score	EValue	Alignment Length	% HI Coverage	HI Identity	% HI Identity	Query Name	Query Start	Query End	HI Name	HI Start	HI End
Amillaria borealis FL87.14 v1.0	Amrbot1_AssemblyScaffolds	Amrbot1_scaffold_68:133271-135480	12-63:171.0-1-12:51.0	222	1.16E-19	54	0.06%	34	62.96%	unnamed protein product	1	53	scaffold_68	135271	135480
Amillaria borealis FL87.14 v1.0	Amrbot1_AssemblyScaffolds	Amrbot1_scaffold_22:291179-137190	12-63:168.0-0-58:52.0	214	8.96E-16	46	0.03%	32	69.23%	unnamed protein product	13	53	scaffold_22	381179	431740
Amillaria borealis FL87.14 v1.0	Amrbot1_AssemblyScaffolds	Amrbot1_scaffold_14:118051-194176	8-42:142.0-0-42:53:53.0	204	4.68E-17	43	0.02%	29	69.05%	unnamed protein product	13	53	scaffold_14	194051	194176
Amillaria borealis FL87.14 v1.0	Amrbot1_AssemblyScaffolds	Amrbot1_scaffold_226:39844-39954	12-63:168.0	168	8.20E-17	37	0.23%	24	64.86%	unnamed protein product	8	44	scaffold_226	39844	39954
Amillaria borealis FL87.14 v1.0	Amrbot1_AssemblyScaffolds	Amrbot1_scaffold_9:1005334-1005202													
Amillaria cepitopes B5	Amrncp1_AssemblyScaffolds	Amrncp1_scaffold_262:96680-96685	13-42:151.0-0-42:53:53.0	204	4.60E-17	42	0.00%	29	69.05%	unnamed protein product	13	53	scaffold_262	96680	96685
Amillaria cepitopes B5	Amrncp1_AssemblyScaffolds	Amrncp1_scaffold_270:219026-2190479	13-44:154.0-1-12:45.0	199	2.41E-16	44	0.00%	30	68.18%	unnamed protein product	1	44	scaffold_270	219026	2190479
Amillaria cepitopes B5	Amrncp1_AssemblyScaffolds	Amrncp1_scaffold_261:541030-5410613	12-44:142.0-1-12:47.0	189	6.48E-15	45	0.00%	27	60.00%	unnamed protein product	1	44	scaffold_261	541030	5410613
Amillaria ectypa FL83.16 v1.0	Amrnet1_AssemblyScaffolds	Amrnet1_scaffold_10:53041-546249_546094-547340	12-42:125.0-10:47:107.0	232	9.85E-11	69	0.01%	39	56.52%	unnamed protein product	10	47	scaffold_10	535041	546249
Amillaria ectypa FL83.16 v1.0	Amrnet1_AssemblyScaffolds	Amrnet1_scaffold_3:362250-3625460	12-63:168.0-0-12:51.0	214	8.86E-19	54	0.00%	33	61.11%	unnamed protein product	13	53	scaffold_3	3625200	3625460
Amillaria ectypa FL83.16 v1.0	Amrnet1_AssemblyScaffolds	Amrnet1_scaffold_5:2189956-2190201	13-42:136.0-42:53:45.0	181	4.91E-14	42	0.00%	26	61.90%	unnamed protein product	13	53	scaffold_5	2189956	2190201
Amillaria ectypa FL83.16 v1.0	Amrnet1_AssemblyScaffolds	Amrnet1_scaffold_10:136859-1329153	12-63:168.0-0-13:32:84.0	238	1.98E-15	52	0.00%	33	63.46%	unnamed protein product	13	44	scaffold_10	136859	1329153
Amillaria funosa CBS 122221 v1.0	Amrfum1_AssemblyScaffolds	Amrfum1_scaffold_1:4572139-4572340	12-63:161.0-1-12:51.0	232	3.06E-21	54	0.00%	35	64.81%	unnamed protein product	1	53	scaffold_1	4572139	4572340
Amillaria funosa CBS 122221 v1.0	Amrfum1_AssemblyScaffolds	Amrfum1_scaffold_5:1377393-1377518	13-42:148.0-0-42:53:53.0	201	9.05E-17	42	0.00%	29	69.05%	unnamed protein product	13	53	scaffold_5	1377393	1377518
Amillaria funosa CBS 122221 v1.0	Amrfum1_AssemblyScaffolds	Amrfum1_scaffold_4:1051100-1052094													
Amillaria gallica 21-2 v1.0	Amrga1_AssemblyScaffolds	Amrga1_scaffold_1:740332-740457	13-42:151.0-0-42:53:53.0	204	5.13E-17	42	0.00%	29	69.05%	unnamed protein product	13	53	scaffold_1	740332	740457
Amillaria gallica 21-2 v1.0	Amrga1_AssemblyScaffolds	Amrga1_scaffold_13:1103387-1103371	12-44:150.0-1-12:47.0	197	5.35E-16	45	0.01%	28	62.22%	unnamed protein product	1	44	scaffold_13	1103387	1103371
Amillaria gallica 21-2 v1.0	Amrga1_AssemblyScaffolds	Amrga1_scaffold_82:96271-96366	13-44:161.0	161	1.06E-15	32	0.00%	23	71.88%	unnamed protein product	13	44	scaffold_82	96271	96366
Amillaria gallica 21-2 v1.0	Amrga1_AssemblyScaffolds	Amrga1_scaffold_9:1659502-1661299													
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_118:120868-121078	12-63:161.0-1-12:51.0	232	5.71E-21	54	0.10%	35	64.81%	unnamed protein product	1	53	scaffold_118	120868	121078
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_2:367255-1387185	12-63:161.0-1-12:51.0	228	2.96E-16	54	0.01%	34	62.96%	unnamed protein product	1	53	scaffold_2	1387255	1387185
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_115:83477-83602	13-44:168.0-0-43:53:49.0	205	4.50E-17	42	0.08%	30	71.43%	unnamed protein product	13	53	scaffold_115	83477	83602
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_8:853059-853184	13-44:168.0-0-43:53:49.0	205	4.27E-17	42	0.01%	30	71.43%	unnamed protein product	13	53	scaffold_8	853059	853184
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_35:63662-636717	13-44:168.0	158	3.30E-15	32	0.01%	22	68.75%	unnamed protein product	13	44	scaffold_35	636622	636717
Amillaria laeobulbina HWK02 v1.0	Amrml1_AssemblyScaffolds	Amrml1_scaffold_2:1555746-1558241													
Amillaria melia DSM 3731	Amrme1_1_AssemblyScaffolds	Amrme1_1NODE_141066:9053-6091	13-42:155.0-0-42:53:53.0 5-12:40.0	248	6.41E-19	50	0.18%	36	72.00%	unnamed protein product	5	53	NODE_141066	9093	6258
Amillaria melia DSM 3731	Amrme1_1_AssemblyScaffolds	Amrme1_1NODE_96269:13048-13268	12-63:171.0-1-12:51.0	228	1.78E-20	54	0.40%	34	62.96%	unnamed protein product	1	53	NODE_96269	13048	13268
Amillaria melia DSM 3731	Amrme1_1_AssemblyScaffolds	Amrme1_1NODE_51085:616-825	12-63:173.0-1-12:51.0	224	4.05E-20	54	18.26%	33	61.11%	unnamed protein product	1	53	NODE_51085	616	825
Amillaria melia DSM 3731	Amrme1_1_AssemblyScaffolds	Amrme1_1NODE_67384:3947-4118	13-44:164.0-0-12:37.0	201	1.44E-16	40	1.06%	29	72.50%	unnamed protein product	5	44	NODE_67384	3947	4118
Amillaria melia DSM 3731	Amrme1_1_AssemblyScaffolds	Amrme1_1NODE_117161:21363-215540													
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_13:104544-102684	12-63:178.0-1-12:51.0	227	2.13E-20	54	0.02%	34	62.96%	unnamed protein product	1	53	scaffold_13	102644	102684
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_75:670849-67299	12-63:178.0-1-12:51.0	227	2.23E-20	54	0.21%	34	62.96%	unnamed protein product	1	53	scaffold_75	67089	67299
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_3:2975315-2975440	13-42:155.0-0-42:53:53.0	208	1.13E-17	42	0.00%	30	71.43%	unnamed protein product	13	53	scaffold_3	2975315	2975440
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_130:21311-23256	13-42:155.0-0-42:53:53.0	208	1.26E-17	42	0.49%	30	71.43%	unnamed protein product	13	53	scaffold_130	23131	23256
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_10:1783276-1783371	13-44:164.0	164	3.16E-16	32	0.00%	24	75.00%	unnamed protein product	13	44	scaffold_10	1783276	1783371
Amillaria melia ELD017 v1.0	Amrmet1_AssemblyScaffolds	Amrmet1_scaffold_2:1282431-1284764													
Amillaria nabonoma CMW604 v1.0	Amrnab1_AssemblyScaffolds	Amrnab1_scaffold_9:170671-170681	13-42:146.0-1-12:53.0 42-53:53.0	252	1.23E-19	54	0.01%	37	68.52%	unnamed protein product	1	53	scaffold_9	170671	170681
Amillaria nabonoma CMW604 v1.0	Amrnab1_AssemblyScaffolds	Amrnab1_scaffold_22:560154-560337	12-44:146.0-1-12:47.0	193	1.50E-15	45	0.02%	28	62.22%	unnamed protein product	1	44	scaffold_22	560154	560337
Amillaria nabonoma CMW604 v1.0	Amrnab1_AssemblyScaffolds	Amrnab1_scaffold_10:1999221-1999316	13-44:161.0	161	7.72E-16	32	0.00%	23	71.88%	unnamed protein product	13	44	scaffold_10	1999221	1999316
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_4:3627456-3629273													
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_12:618450-618520	13-42:168.0-0-42:53:53.0 5-12:45.0	256	3.43E-20	54	0.01%	38	70.37%	unnamed protein product	1	53	scaffold_12	618450	618520
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_11:817759-817759	12-63:168.0-1-12:51.0	239	4.36E-22	54	0.01%	35	64.81%	unnamed protein product	1	53	scaffold_11	817759	817759
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_116:16711-16921	12-63:168.0-1-12:51.0	234	2.40E-21	54	0.13%	35	64.81%	unnamed protein product	1	53	scaffold_116	16711	16921
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_214:8800-8775	13-44:154.0	154	1.05E-14	32	0.17%	22	68.75%	unnamed protein product	13	44	scaffold_214	8800	8775
Amillaria novae-zelandiae 2840 v1.0	Amrnova1_AssemblyScaffolds	Amrnova1_scaffold_38:357509-357604	13-44:154.0	154	1.05E-14	32	0.00%	22	68.75%	unnamed protein product	13	44	scaffold_38	357509	357604
Amillaria scoldipes 284 v1.0	Amrscold1_AssemblyScaffolds	Amrscold1_scaffold_3:1712621-1712746	13-42:151.0-0-42:53:53.0	204	3.56E-17	42	0.01%	29	69.05%	unnamed protein product	13	53	scaffold_3	1712621	1712746
Amillaria scoldipes 284 v1.0	Amrscold1_AssemblyScaffolds	Amrscold1_scaffold_2:177009-177173	12-38:137.0-1-12:47.0	184	2.62E-14	39	0.00%	26	66.67%	unnamed protein product	1	38	scaffold_2	177009	177173
Amillaria scoldipes 284 v1.0	Amrscold1_AssemblyScaffolds	Amrscold1_scaffold_10:346028-346123	13-44:154.0	154	7.65E-15	32	0.01%	22	68.75%	unnamed protein product	13	44	scaffold_10	346028	346123
Amillaria scoldipes 284 v1.0	Amrscold1_AssemblyScaffolds	Amrscold1_scaffold_9:981931-981948													
Amillaria ectypa C189	Amrmoct1_AssemblyScaffolds	Amrmoct1_scaffold_26:684949-684960	12-63:168.0-1-12:50.0	240	2.38E-22	54	0.02%	36	66.87%	unnamed protein product	1	53	scaffold_26	684949	684960
Amillaria ectypa C189	Amrmoct1_AssemblyScaffolds	Amrmoct1_scaffold_11:943596-943721	13-42:151.0-0-42:53:53.0	204	3.70E-17	42	0.01%	29	69.05%	unnamed protein product	13	53	scaffold_11	943596	943721
Amillaria ectypa C189	Amrmoct1_AssemblyScaffolds	Amrmoct1_scaffold_17:81869-81864	13-44:168.0	166	1.38E-16	32	0.01%	23	71.88%	unnamed protein product	13	44	scaffold_17	81869	81864
Amillaria ectypa C189	Amrmoct1_AssemblyScaffolds	Amrmoct1_scaffold_1:117980-117810													
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_29:158405-213344	11-48:164.0-10-44:99.0	263	3.34E-16	73	0.04%	40	54.79%	unnamed protein product	10	48	scaffold_29	158405	213344
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_368:8252-8463	12-63:184.0-1-12:51.0	235	1.67E-21	54	0.61%	36	66.67%	unnamed protein product	1	53	scaffold_368	8252	8463
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_4:511813-512024	12-63:184.0-1-12:51.0	235	1.55E-21	54	0.01%	36	66.67%	unnamed protein product	1	53	scaffold_4	511813	512024
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_1:1412506-1412631	13-42:146.0-0-42:53:53.0	199	2.36E-16	42	0.00%	29	69.05%	unnamed protein product	13	53	scaffold_1	1412506	1412631
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_128:19681-19776	13-44:168.0	166	1.70E-16	32	0.06%	23	71.88%	unnamed protein product	13	44	scaffold_128	19681	19776
Amillaria tabersoni CBAS 213 v1.0	Amrtab1_AssemblyScaffolds	Amrtab1_scaffold_18:91428-91521	13-44:168.0	161	9.22E-16	32	0.01%	23	71.88%	unnamed protein product	13	44	scaffold_18	91428	91521
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_2:1172559-135058	13-42:228.0-13-44:157.0 5-12:42.0	427	8.60E-26	82	0.01%	60	73.17%	unnamed protein product	1	44	scaffold_2	1172559	135058
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_10:279682-277052	13-42:190.0-0-43:54:44.0	234	1.46E-21	52	0.02%	33	63.46%	unnamed protein product	3	54	scaffold_10	276982	277052
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_35:259064-259041	13-42:149.0-1-12:58.0	207	1.17E-17	42	0.00%	30	71.43%	unnamed protein product	1	42	scaffold_35	259064	259041
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_63:74373-74550	13-42:149.0-1-12:58.0	207	1.19E-17	42	0.08%	30	71.43%	unnamed protein product	1	42	scaffold_63	74373	74550
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_247:3658-3836	13-42:133.0-1-11:48.0	181	6.84E-14	41	0.53%	25	60.98%	unnamed protein product	1	42	scaffold_247	3658	3836
Auricularia amplia N-1724 v1.0	Aurarnp1_AssemblyScaffolds	Aurarnp1_scaffold_8:980382-880560	13-42:133.0-1-11:48.0	181	6.23E-14	41	0.01%	25	60.98%	unnamed protein product	1	42	scaffold_8	980382	880560

Schizophyllum commune Z81 v1.0	SchooZ81_AssemblyScaffolds	SchooZ81 scaffold_28:226206-229328	2-42:167.0	167	5.95E-17	41	0.04%	25	60.98% unnamed protein product	2	42 scaffold_28	226206	229328
Schizophyllum commune Z81 v1.0	SchooZ81_AssemblyScaffolds	SchooZ81 scaffold_52:82268-82367	13-42:140.0	140	5.57E-13	30	0.04%	20	66.67% unnamed protein product	13	42 scaffold_52	82268	82367
Schizophyllum commune Z82 v1.0	SchooZ82_AssemblyScaffolds	SchooZ82 scaffold_114:17394-17564	13-42:149.0 3-12:62.0	211	2.39E-18	40	0.12%	30	75.00% unnamed protein product	3	42 scaffold_114	17394	17564
Schizophyllum commune Z82 v1.0	SchooZ82_AssemblyScaffolds	SchooZ82 scaffold_136:52158-52263	1-42:260.0	262	4.29E-22	42	0.15%	29	69.05% unnamed protein product	1	42 scaffold_136	52158	52263
Schizophyllum commune Z82 v1.0	SchooZ82_AssemblyScaffolds	SchooZ82 scaffold_91:1000-1186	13-50:134.0 5-12:42.0	176	2.68E-13	46	0.13%	27	58.70% unnamed protein product	5	50 scaffold_91	1000	1186
Schizophyllum commune Z82 v1.0	SchooZ82_AssemblyScaffolds	SchooZ82 scaffold_268:31769-31890	2-42:167.0	167	6.03E-17	41	0.30%	25	60.98% unnamed protein product	2	42 scaffold_268	31768	31890
Schizophyllum commune Z82 v1.0	SchooZ82_AssemblyScaffolds	SchooZ82 scaffold_13:209016-209105	13-42:140.0	140	5.64E-13	30	0.03%	19	63.33% unnamed protein product	13	42 scaffold_13	209016	209105
Schizophyllum fasciatum CBS 267.60 v1.0	Schlas1_AssemblyScaffolds	Schlas1 scaffold_22:51030-51203	13-42:145.0 2-12:63.0	208	5.31E-18	41	0.07%	30	73.17% unnamed protein product	2	42 scaffold_22	51030	51203
Schizophyllum fasciatum CBS 267.60 v1.0	Schlas1_AssemblyScaffolds	Schlas1 scaffold_208:5201-5387	13-50:130.0 5-12:45.0	175	3.08E-13	46	0.47%	27	58.70% unnamed protein product	5	50 scaffold_208	5201	5387
Schizophyllum fasciatum CBS 267.60 v1.0	Schlas1_AssemblyScaffolds	Schlas1 scaffold_77:10984-11151	13-42:129.0 3-11:46.0	175	2.95E-13	39	0.11%	25	64.10% unnamed protein product	3	42 scaffold_77	10984	11151
Schizophyllum fasciatum CBS 267.60 v1.0	Schlas1_AssemblyScaffolds	Schlas1 scaffold_172:15081-15203	2-42:169.0	169	2.55E-17	41	0.29%	24	58.54% unnamed protein product	2	42 scaffold_172	15081	15203
Schizophyllum fasciatum CBS 267.60 v1.0	Schlas1_AssemblyScaffolds	Schlas1 scaffold_1860:1234-1359	1-42:166.0	166	7.04E-17	42	7.96%	25	59.52% unnamed protein product	1	42 scaffold_1860	1234	1359
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_166:28831-29003	13-42:161.0 2-12:67.0	228	1.48E-20	41	0.15%	32	78.05% unnamed protein product	2	42 scaffold_166	28831	29003
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_316:26958-27078	13-42:147.0 2-12:67.0	214	1.56E-16	41	0.34%	31	75.81% unnamed protein product	2	42 scaffold_316	26958	27078
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_14:92703-92828	1-42:204.0	204	3.83E-22	42	0.09%	29	69.05% unnamed protein product	1	42 scaffold_14	92703	92828
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_2279:36-161	1-42:198.0	198	2.92E-21	42	1.59%	29	69.05% unnamed protein product	1	42 scaffold_2279	36	161
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_19:13090-13385	13-42:140.0 3-11:50.0	190	6.05E-13	39	0.10%	28	71.79% unnamed protein product	3	42 scaffold_19	13090	13385
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_434:34858-35044	13-50:134.0 5-17:43.0	177	3.33E-13	51	0.38%	28	54.90% unnamed protein product	5	50 scaffold_434	34858	35044
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_179:42827-43016	13-50:134.0 5-12:42.0	176	4.55E-13	46	0.22%	27	58.70% unnamed protein product	5	50 scaffold_179	42827	43016
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_338:6145-6267	2-42:167.0	167	1.06E-16	41	0.27%	25	60.98% unnamed protein product	2	42 scaffold_338	6145	6267
Schizophyllum radatum CBS 301.32 v1.0	Schrad1_AssemblyScaffolds	Schrad1 scaffold_49:87374-87496	2-42:167.0	167	1.06E-16	41	0.13%	25	60.98% unnamed protein product	2	42 scaffold_49	87374	87496
Stereum hirsutum FP-91656 SS1 v1.0	Steht1_AssemblyScaffolds	Steht1 scaffold_2:3558172-3638719_3636902-3638995	10-48:189.0 1-12:59.0 11-53:177.0	489	1.26E-23	105	0.01%	71	67.62% unnamed protein product	1	53 scaffold_2	3558172	3638719
Stereum hirsutum FP-91656 SS1 v1.0	Steht1_AssemblyScaffolds	Steht1 scaffold_23:183156-183395	11-53:168.0 1-11:84.0	232	2.67E-21	54	0.03%	33	61.11% unnamed protein product	1	53 scaffold_23	183158	183385
Stereum hirsutum FP-91656 SS1 v1.0	Steht1_AssemblyScaffolds	Steht1 scaffold_2:3558172-3638719_3558160-3558981											
Typhula sp. THa3160C v1.0	TyphTHa3160C_1_AssemblyScaffolds	TyphTHa3160C_1 scaffold_87:82464-82653	14-44:123.0 3-12:48.0	171	1.09E-12	41	0.14%	27	65.85% unnamed protein product	3	44 scaffold_87	82464	82653

Sequences in black represent those identified by the blastn search. Sequences in blue represent those identified only by the blastp search. Sequences highlighted in gray were excluded because they lacked conservation of cysteine residues, did not preserve the CBM104 structure, or had incomplete full-length sequences.

Table S3. Types of domains appended to CBM104 and the characteristics of fungi that possess CBM104.

Organism	Order	Characteristics	AA8	AA8-AA3	AA9	AA16	GH131	Total
<i>Armillaria borealis</i> FPL87.14 v1.0	Agaricales	White rot	1		3	1		5
<i>Armillaria cepistipes</i> B5	Agaricales	White rot	1		1	1		3
<i>Armillaria ectypa</i> FPL83.16 v1.0	Agaricales	White rot	1		1			2
<i>Armillaria fumosa</i> CBS 122221 v1.0	Agaricales	White rot	1		2	1		4
<i>Armillaria gallica</i> 21-2 v1.0	Agaricales	White rot	1		2	1		4
<i>Armillaria luteobubalina</i> HWK02 v1.0	Agaricales	White rot	2		2	2		6
<i>Armillaria mellea</i> DSM 3731	Agaricales	White rot	1		2	1		4
<i>Armillaria mellea</i> ELDO17 v1.0	Agaricales	White rot	2		2	2		6
<i>Armillaria nabsnona</i> CMW6904 v1.0	Agaricales	White rot	1		2	1		4
<i>Armillaria novae-zelandiae</i> 2840 v1.0	Agaricales	White rot	2		2	1		5
<i>Armillaria ostoyae</i> C18/9	Agaricales	White rot	1		2	1		4
<i>Armillaria solidipes</i> 28-4 v1.0	Agaricales	White rot	1		2	1		4
<i>Armillaria tabescens</i> CCBAS 213 v1.0	Agaricales	White rot	1	1	3			5
<i>Auriculariopsis ampla</i> NL-1724 v1.0	Agaricales	White rot			3	1	2	6
<i>Cylindrobasidium torrendii</i> FP15055 v1.0	Agaricales	White rot			2	1	1	4
<i>Guyanagaster necrorhizus</i> MCA 3950 v1.0	Agaricales	White rot	1		2	1		4
<i>Hymenopellis radicata</i> IJFM A160 v1.0	Agaricales	Saprobic			4			4
<i>Oudemansiella mucida</i> CBS 558.79 v1.0	Agaricales	White rot			1			1
<i>Schizophyllum commune</i> 207.1 v1.0	Agaricales	White rot			2		1	3
<i>Schizophyllum commune</i> 223.1 v1.0	Agaricales	White rot			2		1	3
<i>Schizophyllum commune</i> 225.1 v1.0	Agaricales	White rot			3	1	1	5
<i>Schizophyllum commune</i> 227.1 v1.0	Agaricales	White rot			3	1	1	5
<i>Schizophyllum commune</i> 227.2 v1.0	Agaricales	White rot			3		1	4
<i>Schizophyllum commune</i> H4-8 v3.0	Agaricales	White rot			3	1	1	5
<i>Schizophyllum commune</i> JGI1246750 v1.0	Agaricales	White rot			3		1	4
<i>Schizophyllum commune</i> Loenen D v1.0	Agaricales	White rot			3	1	1	5
<i>Schizophyllum commune</i> Tattone D v1.0	Agaricales	White rot			2	1	1	4
<i>Schizophyllum commune</i> ZB1 v1.0	Agaricales	White rot			2	1	1	4
<i>Schizophyllum commune</i> ZB2 v1.0	Agaricales	White rot			3	1	1	5
<i>Schizophyllum fasciatum</i> CBS 267.60 v1.0	Agaricales	White rot			2	1	1	4
<i>Schizophyllum radiatum</i> CBS 301.32 v1.0	Agaricales	White rot			6	2	1	9
<i>Typhula</i> sp. TRa3160C v1.0	Agaricales	Algae rot			1			1
<i>Boreostereum radiatum</i> TFC1981-005 v1.0	Gloeophyllales	Saprobic			1			1
<i>Gloeophyllum trabeum</i> v1.0	Gloeophyllales	Brown rot			1			1
<i>Helioocybe sulcata</i> OMC1185 v1.0	Gloeophyllales	Brown rot			1			1
<i>Neolentinus lepideus</i> v1.0	Gloeophyllales	Brown rot			1			1
<i>Peniophora</i> sp. CONTA v1.0	Russulales	White rot			1			1
<i>Peniophora</i> sp. v1.0	Russulales	White rot			1			1
<i>Stereum hirsutum</i> FP-91666 SS1 v1.0	Russulales	White rot			2			2
			17	1	84	26	16	144

The names of the fungi are as registered in the JGI database.