

Table S1. Various genes for laccase production found in the genome of *T. versicolor* and *T. pubescens* based on the UniProt server (uniprot.org).

No.	UniProt KB identifier	Gene annotation	UniProt protein name	Fungus
1	Q12718	LAC2_TRAVE	Laccase-2	<i>T. versicolor</i>
2	Q12719	LAC4_TRAVE	Laccase-4	<i>T. versicolor</i>
3	Q12717	LAC5_TRAVE	Laccase-5	<i>T. versicolor</i>
4	Q96UT7	Q96UT7_TRAVE	Laccase B	<i>T. versicolor</i>
5	Q96UK8	Q96UK8_TRAVE	Laccase 1	<i>T. versicolor</i>
6	Q5IR80	Q5IR80_TRAVE	Laccase 1	<i>T. versicolor</i>
7	O94222	O94222_TRAVE	Laccase	<i>T. versicolor</i>
8	O13456	O13456_TRAVE	Laccase	<i>T. versicolor</i>
9	O13448	O13448_TRAVE	Laccase	<i>T. versicolor</i>
10	A0A5Q2UQV7	A0A5Q2UQV7_TRAVE	Laccase	<i>T. versicolor</i>
11	Q8TFM1	Q8TFM1_TRAVE	Laccase III	<i>T. versicolor</i>
12	A0A144KZD6	A0A144KZD6_TRAVE	Laccase	<i>T. versicolor</i>
13	A0A144KZJ7	A0A144KZJ7_TRAVE	Laccase	<i>T. versicolor</i>
14	A0A144KZF3	A0A144KZF3_TRAVE	Laccase	<i>T. versicolor</i>
15	A0A481SVG9	A0A481SVG9_TRAVE	Laccase	<i>T. versicolor</i>
16	I6QS85	6QS85_TRAVE	Laccase	<i>T. versicolor</i>
17	Q50JG4	Q50JG4_TRAVE	Laccase3	<i>T. versicolor</i>
18	Q50JG3	Q50JG3_TRAVE	Laccase4	<i>T. versicolor</i>
19	Q50JG5	Q50JG5_TRAVE	Laccase2	<i>T. versicolor</i>
20	Q50JG6	Q50JG6_TRAVE	Laccase1	<i>T. versicolor</i>
21	G9M4T7	G9M4T7_TRAVE	Laccase 5	<i>T. versicolor</i>
22	Q6KB01	Q6KB01_TRAVE	Laccase 4	<i>T. versicolor</i>
24	B8Y3J5	B8Y3J5_TRAVE	Laccase protein	<i>T. versicolor</i>
26	Q8TG94	Q8TG94_TRAPU	Laccase 2	<i>T. pubescens</i>

27	Q8TG93	Q8TG93_TRAPU	Laccase 1A	<i>T. pubescens</i>
28	A0A1M2VSU5	A0A1M2VSU5_TRAPU	Laccase-1	<i>T. pubescens</i>
29	A0A1M2VJ73	A0A1M2VJ73_TRAPU	Laccase-4	<i>T. pubescens</i>
30	A0A1M2VJA1	A0A1M2VJA1_TRAPU	Laccase-5	<i>T. pubescens</i>
31	A0A1M2W0U1	A0A1M2W0U1_TRAPU	Laccase-3	<i>T. pubescens</i>
32	A0A1M2W307	A0A1M2W307_TRAPU	Laccase	<i>T. pubescens</i>
33	A0A1M2VWR1	A0A1M2VWR1_TRAPU	Laccase-2	<i>T. pubescens</i>