

Table S1. Phenotypic characteristics of microbial colony isolates used in microcosm experiments

Leaf Age	Plant	Strain	Center property/color	Margin property/color	Shape	Margin	Elevation	Size	Texture	Appearance
11	1	1	Opaque cream	Translucent white	Circular	Entire	Convex	Moderate	Smooth	Glistening
11	1	2	Opaque yellow	Opaque yellow	Circular	Entire	Convex	Small	Smooth	Glistening
11	1	3	Translucent gray	Translucent gray	Circular	Curled	Flat	Large	Smooth	Glistening
11	1	4	Opaque white	Opaque white	Circular	Undulate	Convex	Moderate	Smooth	Glistening
11	2	5	Translucent tan	Translucent tan	Circular	Curled	Convex	Large	Smooth	Glistening
11	2	6	Opaque white	Translucent white	Circular	Lobate	Umbronnate	Large	Smooth	Irridescent
11	4	7	Opaque tan	Translucent tan	Rhizoid	Rhizoid	Umbronnate	Moderate	Smooth	Dull
11	5	8	Opaque amber	Opaque amber	Circular	Entire	Convex	Large	Smooth	Glistening
11	5	9	Opaque white	Opaque white	Circular	Entire	Convex	Small	Smooth	Glistening
11	5	10	Opaque white/tan	Translucent clear	Circular	Entire	Umbronnate	Large	Smooth	Dull
22	1	1	Translucent orange	Translucent orange	Irregular	Undulate	Raised	Moderate	Smooth	Glistening
22	1	2	Opaque light pink	Opaque light pink	Circular	Curled	Convex	Moderate	Smooth	Glistening
22	2	3	Translucent white	Translucent clear	Circular	Lobate	Umbronnate	Moderate	Smooth	Glistening
22	2	4	Opaque yellow	Opaque yellow	Circular	Entire	Convex	Small	Smooth	Dull
22	2	5	Opaque amber	Translucent amber	Circular	Entire	Convex	Moderate	Smooth	Glistening
22	2	6	Opaque light yellow	Translucent light yellow	Circular	Curled	Umbronnate	Moderate	Smooth	Glistening
22	3	7	Opaque white	Opaque white	Circular	Undulate	Convex	Punctiform	Smooth	Glistening
22	3	8	Translucent tan	Radiating translucent tan/white	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening
22	5	9	Opaque orange	Opaque orange	Circular	Undulate	Raised	Small	Smooth	Glistening
22	5	10	Opaque cream	Opaque cream	Circular	Entire	Convex	Moderate	Smooth	Glistening
33	1	1	Opaque light yellow	Opaque light yellow	Circular	Entire	Convex	Small	Smooth	Glistening
33	2	2	Opaque tan	Translucent clear	Circular	Entire	Umbronnate	Moderate	Smooth	Glistening
33	3	3	Opaque white	Translucent clear	Circular	Undulate	Umbronnate	Large	Smooth	Irridescent
33	3	4	Opaque orange	Translucent orange	Rhizoid	Rhizoid	Umbronnate	Large	Smooth	Dull
33	4	5	Opaque peach	Translucent clear	Circular	Undulate	Umbronnate	Small	Rough	Dull
33	4	6	Opaque mustard	Opaque mustard	Circular	Undulate	Convex	Moderate	Smooth	Glistening
33	4	7	Opaque tan	Opaque tan	Circular	Entire	Convex	Punctiform	Smooth	Dull
33	4	8	Opaque pink	Opaque pink	Circular	Entire	Convex	Small	Smooth	Glistening
33	5	9	Opaque orange	Opaque orange	Circular	Entire	Convex	Small	Smooth	Glistening

33	5	10	Translucent clear	Translucent clear	Irregular	Undulate	Flat	Large	Smooth	Irridescent
44	1	1	Opaque white	Translucent clear	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening
44	2	2	Opaque white	Opaque white	Circular	Entire	Convex	Small	Smooth	Glistening
44	2	3	Translucent clear	Translucent clear	Circular	Circular	Flat	Moderate	Smooth	Glistening
44	3	4	Opaque amber	Translucent amber	Circular	Undulate	Convex	Moderate	Smooth	Glistening
44	3	5	Opaque light orange	Opaque light orange	Circular	Entire	Convex	Small	Smooth	Glistening
44	3	6	Opaque yellow	Opaque yellow	Circular	Entire	Convex	Moderate	Smooth	Glistening
44	3	7	Translucent clear	Translucent clear	Circular	Undulate	Convex	Punctiform	Smooth	Glistening
44	4	8	Opaque purple	Opaque purple	Circular	Circular	Convex	Moderate	Smooth	Glistening
44	4	9	Opaque yellow	Translucent yellow	Circular	Lobate	Convex	Moderate	Smooth	Glistening
44	5	10	Opaque light pink	Opaque light pink	Circular	Undulate	Convex	Moderate	Smooth	Dull
55	1	1	Opaque pink	Opaque pink	Circular	Entire	Convex	Moderate	Smooth	Glistening
55	1	2	Opaque amber	Opaque white	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening
55	2	3	Opaque yellow	Opaque yellow	Circular	Entire	Convex	Punctiform	Smooth	Glistening
55	3	4	Opaque light orange	Opaque light orange	Circular	Curled	Convex	Small	Smooth	Glistening
55	3	5	Translucent red	Translucent red	Circular	Entire	Convex	Small	Smooth	Glistening
55	4	6	Opaque white	Translucent clear	Circular	Lobate	Umbronnate	Moderate	Smooth	Glistening
55	5	7	Opaque yellow	Opaque yellow	Irregular	Lobate	Raised	Large	Smooth	Glistening
55	5	8	Opaque amber	Opaque amber	Circular	Entire	Convex	Large	Smooth	Dull
55	5	9	Translucent tan	Translucent tan	Circular	Entire	Convex	Small	Smooth	Glistening
55	5	10	Opaque white	Opaque white	Circular	Entire	Convex	Moderate	Smooth	Glistening
66	1	1	Translucent yellow	Translucent clear	Circular	Undulate	Umbronnate	Small	Smooth	Glistening
66	1	2	Translucent pink/tan	Translucent pink/tan w/ spots	Irregular	Lobate	Flat	Large	Smooth	Glistening
66	2	3	Opaque light yellow	Opaque light yellow	Circular	Entire	Convex	Moderate	Smooth	Glistening
66	2	4	Opaque light pink	Opaque light pink	Circular	Lobate	Convex	Moderate	Smooth	Glistening
66	3	5	Opaque yellow	Translucent white	Circular	Curled	Raised	Moderate	Smooth	Glistening
66	3	6	Opaque tan	Opaque tan	Circular	Undulate	Convex	Small	Smooth	Glistening
66	3	7	Opaque pink	Opaque pink	Circular	Entire	Convex	Punctiform	Smooth	Glistening
66	4	8	Opaque cream	Translucent white	Circular	Lobate	Convex	Moderate	Smooth	Dull
66	4	9	Translucent mustard	Translucent clear	Circular	Entire	Convex	Moderate	Smooth	Glistening
66	4	10	Opaque cream	Opaque cream	Circular	Curled	Raised	Moderate	Smooth	Dull

77	1	1 Opaque yellow	Opaque yellow	Circular	Entire	Convex	Moderate	Smooth	Glistening
77	1	2 Opaque white	Translucent white	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening
77	1	3 Opaque red	Opaque red	Circular	Entire	Convex	Punctiform	Smooth	Glistening
77	2	4 Opaque white	Translucent clear	Circular	Lobate	Flat	Small	Smooth	Glistening
77	2	5 Opaque dark orange	Translucent clear	Circular	Entire	Umbronnate	Small	Smooth	Glistening
77	2	6 Opaque light blue	Opaque light blue	Circular	Entire	Convex	Punctiform	Smooth	Glistening
77	3	7 Opaque mustard	Translucent yellow	Circular	Lobate	Umbronnate	Small	Smooth	Glistening
77	3	8 Opaque yellow-orange	Translucent clear	Circular	Lobate	Umbronnate	Moderate	Smooth	Glistening
77	5	9 Opaque dark pink	Opaque dark pink	Circular	Entire	Convex	Large	Smooth	Glistening
77	5	10 Opaque pink	Opaque pink	Circular	Entire	Convex	Punctiform	Smooth	Dull
88	1	1 Opaque red	Opaque red	Circular	Lobate	Convex	Moderate	Smooth	Glistening
88	1	2 Opaque yellow	Translucent yellow	Circular	Entire	Umbronnate	Moderate	Smooth	Glistening
88	1	3 Opaque white	Translucent cream	Circular	Entire	Umbronnate	Large	Smooth	Glistening
88	3	4 Opaque brown	Translucent tan	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening
88	3	5 Opaque yellow	Opaque yellow	Circular	Entire	Convex	Small	Smooth	Glistening
88	3	6 Opaque purple	Opaque purple	Irregular	Undulate	Convex	Large	Smooth	Glistening
88	4	7 Translucent light pink	Translucent light pink	Circular	Entire	Raised	Small	Smooth	Glistening
88	4	8 Translucent orange	Translucent orange	Circular	Entire	Convex	Small	Smooth	Glistening
88	4	9 Opaque pink	Opaque white	Irregular	Undulate	Convex	Moderate	Smooth	Glistening
88	4	10 Opaque light yellow	Opaque light yellow	Circular	Entire	Raised	Moderate	Smooth	Glistening
365	1	1 Opaque light blue	Opaque light blue	Circular	Entire	Convex	Punctiform	Smooth	Iridescent
365	1	2 Opaque white	Opaque white	Circular	Entire	Convex	Moderate	Smooth	Glistening
365	1	3 Opaque orange	Opaque orange	Circular	Entire	Raised	Large	Smooth	Glistening
365	2	4 Translucent white	Translucent white	Circular	Entire	Convex	Small	Smooth	Glistening
365	2	5 Translucent tan	Translucent white	Irregular	Undulate	Flat	Large	Smooth	Iridescent
365	2	6 Opaque mustard	Opaque mustard	Circular	Undulate	Raised	Small	Smooth	Glistening
365	4	7 Opaque purple	Opaque purple	Irregular	Undulate	Convex	Moderate	Smooth	Glistening
365	4	8 Opaque white	Opaque white	Circular	Entire	Convex	Punctiform	Smooth	Dull
365	4	9 Opaque yellow	Opaque yellow	Circular	Entire	Convex	Punctiform	Smooth	Glistening
365	4	10 Opaque dark pink	Translucent pink	Circular	Undulate	Umbronnate	Moderate	Smooth	Glistening