Supplementary Files

Table S1. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *T. asperellum* (TA) at day 1.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3271.52	-OH stretching of alcohol
1027.23	C-O stretching of alcohol
(b) amine	
3271.52	-NH stretching
1153.28	C-O stretching
1553.44	C=C stretching vibration in the benzene ring
1627.26	C=N and C=O stretching
(c) alkanes	
2922.76, 2853.35	Symmetric and asymmetric CH_2- and CH_3- stretching vibration
1375.70	CH_3 deformations
(d) others	
1744.44	Stretching of C=O in esters

Table S2. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *T. asperellum* (TA) at day 8.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3272.07	-OH stretching of alcohol
1027.39	C-O stretching of alcohol
(b) amine	
3272.07	-NH stretching
1153.26	C-O stretching
1554.67	C=C stretching vibration in the benzene ring
1631.89	C=N and C=O stretching
(c) alkanes	
2922.70, 2853.12	Symmetric and asymmetric CH_2- and CH_3- stretching vibration
1373.87	CH_3 deformations
1449.16	CH_2 and CH_3 stretching
(d) others	
1744.44	Stretching of C=O in esters
814.81	=C-H stretching in aromatic ring

Table S3. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *P. theae* (PT) at day 1.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3276.52	-OH stretching of alcohol
1034.99	C-O stretching of alcohol
(b) amine	
3276.52	-NH stretching
1153.98	C-O stretching
1518.83	C=C stretching vibration in the benzene ring
1629.44	C=N and C=O stretching
(c) alkanes	
2923.04, 2852.18	Symmetric and asymmetric CH_2- and CH_3- stretching vibration
1371.58	CH_3 deformations
(d) others	
1727.36	Stretching of C=O in esters

Table S4. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *P. theae* (PT) at day 8.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3279.41	-OH stretching of alcohol
1029.88	C-O stretching of alcohol
(b) amine	
3279.41	-NH stretching
1153.63	C-O stretching
1518.20	C=C stretching vibration in the benzene ring
1632.47	C=N and C=O stretching
(c) alkanes	
2924.09, 2858.33	Symmetric and asymmetric CH_2- and CH_3- stretching vibration
1370.23	CH_3 deformations
1452.03	CH_2 and CH_3 stretching
(d) others	
1723.16	Stretching of C=O in esters
813.66	=C-H stretching in aromatic ring

Table S5. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *A. bambusae* (AB) at day 1.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3276.95	-OH stretching of alcohol
1026.39	C-O stretching of alcohol
(b) amine	
3276.95	-NH stretching
1146.16	C-O stretching
1628.49	C=N and C=O stretching
(c) alkanes	
2922.80	Asymmetric CH_2- and CH_3- stretching vibration
1371.04	CH_3 deformations

Table S6. Functional groups and corresponding wavenumber (cm^{-1}) for isolate *A. bambusae* (AB) at day 8.

Wavenumber (cm^{-1})	Functional groups/Vibration modes
(a) hydroxyl	
3273.54	-OH stretching of alcohol
1026.57	C-O stretching of alcohol
(b) amine	
3273.54	-NH stretching
1146.05	C-O stretching
1518.19	C=C stretching vibration in the benzene ring
1628.21	C=N and C=O stretching
(c) alkanes	
2922.68	Asymmetric CH_2- and CH_3- stretching vibration
1348.59	CH_3 deformations