

## Supplementary material list of tables

**Table S1: Sorghum RILs disease ratings for resistance and severity in response to natural infection.**

RIL no	Disease Reaction class	Symptoms & lesions	Severity scale
19	R	1-10%	1-3
29	R	1-10%	1-3
102	R	1-10%	1-3
103	R	1-10%	1-3
112	R	1-10%	1-3
142	R	1-10%	1-3
148	R	1-10%	1-3
159	R	1-10%	1-3
161	R	1-10%	1-3
99	R	1-10%	1-3
212	R	1-10%	1-3
24	MR	11-30%	4-5
98	MR	11-30%	4-5
120	MR	11-30%	4-5
160	MR	11-30%	4-5
106	MR	11-30%	4-5
176	MR	11-30%	4-5
177	MR	11-30%	4-5
187	MR	11-30%	4-5
222	MR	11-30%	4-5
231	MR	11-30%	4-5
53	S	31-50%	6-7
78	S	31-50%	6-7
68	S	31-50%	6-7
134	S	31-50%	6-7
137	S	31-50%	6-7
140	S	31-50%	6-7
162	S	31-50%	6-7
167	S	31-50%	6-7
168	S	31-50%	6-7
171	S	31-50%	6-7
214	S	31-50%	6-7
244	S	31-50%	6-7
27	HS	51-75%	8-9
48	HS	51-75%	8-9
56	HS	51-75%	8-9
66	HS	51-75%	8-9
105	HS	51-75%	8-9
118	HS	51-75%	8-9
125	HS	51-75%	8-9
131	HS	51-75%	8-9
132	HS	51-75%	8-9
136	HS	51-75%	8-9
180	HS	51-75%	8-9
221	HS	51-75%	8-9

Key: The mapping population was originally derived by selfing a single F1 plant from *S. bicolor* grain (M71) and sweet sorghum (SS79) and advanced to the F9 generation by single seed descent (Shiringani et al. 2010) to produce a mapping population of 187 F9 recombinant inbred lines (RILs). The leaf samples were collected at the maturity stage of the sorghum RILs. Forty-five leaf samples were retrieved, and the foliar symptoms were scored according to the method described by (Tebeest et al. 2004). The susceptibility of the RILs was based on the ability to be successfully infected with the pathogen naturally. The scale presented visual foliar symptoms of four models that denoted, resistant, moderately resistant, susceptible and highly susceptible groups under natural infection. The RILs used in this study were chosen based on the even distribution of phenotype (foliar symptoms) across all disease groups.

**Table S2: Fungal alpha and beta diversity statistics**

<p><b>Fungal Simpson diversity between Resistant and Highly susceptible</b> Call: lm(formula = Simpson ~ Description, data = alph) Residuals: Min 1Q Median 3Q Max -0.070943 -0.006652 0.003623 0.013946 0.030096 Coefficients: Estimate Std. Error t value Pr(&gt; t ) (Intercept) 0.936590 0.006815 137.428 &lt;2e-16 *** DescriptionR 0.020515 0.009876 2.077 0.0516. --- Residual standard error: 0.0226 on 19 degrees of freedom Multiple R-squared: 0.1851, Adjusted R-squared: 0.1422 F-statistic: 4.315 on 1 and 19 DF, p-value: 0.05158</p> <p><b>Fungal Shannon diversity between Resistant and Highly susceptible</b> Call: lm(formula = Shannon ~ Description, data = alph) Residuals: Min 1Q Median 3Q Max -0.65599 -0.11071 -0.02945 0.17370 0.54638 Coefficients: Estimate Std. Error t value Pr(&gt; t ) (Intercept) 3.16185 0.08472 37.321 &lt;2e-16 *** DescriptionR 0.28054 0.12277 2.285 0.034 * Residual standard error: 0.281 on 19 degrees of freedom Multiple R-squared: 0.2156, Adjusted R-squared: 0.1743 F-statistic: 5.221 on 1 and 19 DF, p-value: 0.03398</p> <p><b>Fungal Shannon diversity between Resistant and Susceptible</b> Call: lm(formula = Shannon ~ Description, data = alph) Residuals: Min 1Q Median 3Q Max -2.64842 -0.63926 0.01723 0.74046 2.36192 Coefficients: Estimate Std. Error t value Pr(&gt; t ) (Intercept) 3.6303 0.3821 9.501 1.95e-08 *** Description S 1.4787 0.5404 2.736 0.0136 * Residual standard error: 1.208 on 18 degrees of freedom Multiple R-squared: 0.2938, Adjusted R-squared: 0.2546 F-statistic: 7.488 on 1 and 18 DF, p-value: 0.01356</p> <p><b>BETA DIVERSITY</b> <b>Fungal Analysis of Variance Table</b> Response: Distances Df Sum Sq Mean Sq F value Pr(&gt;F) Groups 3 0.10763 0.035878 2.1286 0.1148 Residuals 41 0.57308 0.016855</p>
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**Table S3: Bacterial alpha and beta diversity statistics**

**Bacterial Shannon diversity between Resistant and Highly susceptible**

Call:

lm(formula = Shannon ~ Description, data = alph)

Residuals:

Min	1Q	Median	3Q	Max
-0.65599	-0.11071	-0.02945	0.17370	0.54638

Coefficients:

Estimate	Std. Error	t value	Pr(> t )
(Intercept) 3.44239	0.08886	38.741	<2e-16 ***
Description HS -0.28054	0.12277	-2.285	0.034 *

Residual standard error: 0.281 on 19 degrees of freedom  
Multiple R-squared: 0.2156, Adjusted R-squared: 0.1743  
F-statistic: 5.221 on 1 and 19 DF, p-value: 0.03398

**Bacterial Simpson diversity between Resistant and Highly susceptible**

Call:

lm(formula = Simpson ~ Description, data = alph)

Residuals:

Min	1Q	Median	3Q	Max
-0.070943	-0.006652	0.003623	0.013946	0.030096

Coefficients:

Estimate	Std. Error	t value	Pr(> t )
(Intercept) 0.957105	0.007148	133.902	<2e-16 ***
Description R -0.020515	0.009876	-2.077	0.0516.

Residual standard error: 0.0226 on 19 degrees of freedom  
Multiple R-squared: 0.1851, Adjusted R-squared: 0.1422  
F-statistic: 4.315 on 1 and 19 DF, p-value: 0.05158

**Bacterial Shannon diversity between Resistant and Susceptible**

Call:

lm(formula = Shannon ~ Description, data = alph)

Residuals:

Min	1Q	Median	3Q	Max
-1.00236	-0.11868	-0.00186	0.17308	0.77632

Coefficients:

Estimate	Std. Error	t value	Pr(> t )
(Intercept) 3.4424	0.1135	30.339	<2e-16 ***
Description S -0.3902	0.1605	-2.432	0.0257 *

Residual standard error: 0.3588 on 18 degrees of freedom  
Multiple R-squared: 0.2473, Adjusted R-squared: 0.2055  
F-statistic: 5.914 on 1 and 18 DF, p-value: 0.02569

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**Bacterial Analysis of Variance Table**

Response: Distances

Df	Sum Sq	Mean Sq	F value	Pr(>F)
Groups 3	0.02200	0.0073343	0.5605	0.6443
Residuals 41	0.51029	0.0130843		

**Table S4: Fungal OTUs counts of the microbiota shared across different disease groups in sorghum recombinant lines**

OTUID	TAXONOMY						
	Domain	Phylum	Class	Order	Family	Genus	Species
909e1fce8a3b094f809bbaafe5dfbc49fd3761bb	Fungi	Basidiomycota		Ustilaginomycetes	Ustilaginales	Ustilaginaceae	Ustilago_kamerunensis
6196b3c562486b86ab10d3cacfc0ade4b5c1ee25	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	NA
0e2584573f96744327e5120456fd6d50a7bfae0f	Fungi	Basidiomycota		Tremellomycetes	Tremellales	Tremellaceae	Cryptococcus_unidentified
2441987855ec0a378b3e27a2e27d8fea273552ae	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
41abcad3732332ae4419971eb3d6e6245d8639d	Fungi	Ascomycota		Sordariomycetes	Hypocreales	Nectriaceae	Gibberella_Gibberella_zeae
67d736568200974f12d34ee1c0ff532b8c28b4fc	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia_Naganishia_albida
60853d18f1b9f685fb8d4424aa5e0496e7e256e2	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	NA
402ea184ed0d45788fbc086878cf884f2001297f	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	NA
887fd12c16aa966ff2fbc81bd57c18907957e853	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
03d6c92a025d100fd166f4af07cb07104a9d9ddf	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
1e922c5f874d6b65e983e4c85e9487f001e55f51	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
6b5b42d973350e6b1fc3ea6cd666ad89e68bfaf4	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
f29e8890cdb085dae496b78d61313f16987d56d6	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
0247a643761fbeca5976dcab29c44728a7753034	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
441ac3822e6230213ee06376cf604222723a6749	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
27b8a18ed4ace6f9de26ea2b5f3c255325259f4b	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
25722e9c56f80fed8d0ba3fbc00b3f32b57642e	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
131aa858b7063c0127390ade32f34556c1970374	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
597ab9cfaf328cc008f9abf9217be5f667022969	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
0974b9cab6f1be58c8bbf58da6a7460b15b025ec	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
6e7b69c2c7b64c36369bed5930c84d6dee6d5874	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium_magnum
0e923b9147e5125d62d9850afb0c8ddac068f7c	Fungi	Basidiomycota		Tremellomycetes	Filobasidiales	Filobasidiaceae	NA

603b5582c40f1c5703ce0905698b758d8debd36	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
58a677a563b6a5924b4c1cc878aeb25bd3c28820	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
21082f7e21f79916694f0c45b39c6c5f57bec23b	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	NA
08b9fa1e97370cb2e1e370cd881515fedf14d882	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	NA
06371af19a2080241ffb8717cb5b6d8dfd0ec3de	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_albida
7db822af5f5a8b87e07b16834a21d1effe0f2b3	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_friedmannii
1f361a35f1ec89498558a770d59f632da4af4903	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_friedmannii
356ce33bd21c7efa3584ad33e00e22f7d8bab280	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	unidentified
4924032a9a10707d16fec10873a0e2ef1e49bd87	Fungi	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Rhodosporidiobolus	Rhodosporidiobolus_fluvialis
ca16465263472b09c7f665774794c98fddd96ca8	Fungi	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Sporobolomyces	Sporobolomyces_oryzicola
4502834465b415b0ec2536b38478d6407e10b1d9	Fungi	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Rhodosporidiobolus	Rhodosporidiobolus_fluvialis
bf8fd2d5d4e1b77f2319109e7510b8f1b694fe3b	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
03495e1a5276e523d626530b7d8eeb8d80718474	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
2d44d5197feb9650833e79b8d0ac97161b748848	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
3c192e51ebc4e5245b3fa30dc761f19b2e591209	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
03d5c33c3db7c8f5735f4aac18e54a07f206e37a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
7987c6d25ee69b522cd912bc163120353e37a1e4	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
536902b7a1ef7a7fa3a26bcc06ad301109d23f08	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
5a10926a04aea74745b3961d22883320f49c1d32	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
5beb85c0bd7706988a749a28a1e771ab38c6baaf	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
65c4bd45fc85c328b22b6f07d94fd823d065cd94	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
484214e394bc4affabd2a3d50ecb9d5bb52631cd	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
29dd5564faba0a890d771b1bc8f29966cd0f037b	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
62936f51b7eacdf3f402e87712e17836e3723f62	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
3b9b26439706d054c45d9292202198d141ef2e9a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
095470191d3a331ef22995fe119f208077dd1544	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
0dcde221d98cf318a4503018a31e8922e85e104b	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified

6025e1d48511050d3972e55a9ada5d820206c744	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
24c517a88ef64bfa665d0a86ce40be886d2f4d7c	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
626868b9f859903af588cc43d460a4f6dd967be	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
309217233dbf06baffc57edd104d68da04552798	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
152351381f7f8eb30163a63af5c79c8e9b4cac03	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
36e0f5e6071d1e84ce662effa3ab55211640b7df	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
9e6f9c0fc9e8274bfce61aeca6cc75ead11bee87	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
71779ea7d4cc2c1919fe1e88bba405e5feb3c13	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
a1d78d27788db1845854df5ef0e2d72ec69975b1	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
24d50cd31e38b7386b635100c1890904ccebe2f8	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
SH630454.07FU_KX515887_reps_singleton	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
5fad4304434d51c17a44b9befb36b3e25be5b7a6	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
e55f91dba0da477ac9dfa1a2f128603aac2c1ee	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
6a3d91a05965720ecab309022d702325b16b80f2	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
bea45c8971f6663429a52a142ed125384acea646	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
2b78f3ea8e290a46c7d71413de4a6fbb0488ef6e	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
c6ff0d67ce5e7ab0c31b56e7e941a01a2b48ceca	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
888325ec776c85951deab95837e5e063f1aa66e0	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
3838a5f37925bac2ee222229cdbc2575e0aa6e2	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
92d82defa084f898e3705cb7b05d5a85993febcc	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
1a5dcd92f3f7225faf77083c1d5f34aedc07c9d7	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_globispora
32773af38a03a5d50ea1f200087af1388e59b5b0	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_globispora
ddbe74a209358db98fcbca9204b14d9bca51fac1	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_globispora
66b7ec2a1faf82907ccb25dc5318735d78eac2aa	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Trimorphomycetaceae	Saitozyma	Saitozyma_paraflava
2eab34a6eeb64c260008d9957558b0b6c8bc1dfb	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Trimorphomycetaceae	Saitozyma	Saitozyma_flava
6bdcc81a15cdb9c3ff479c3d06a1e1289084c743	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
118af9181b5ddf1e1b21aef4b2c7c74a83f5623	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_oryzae

ffcff92e1941e75fccc2750411dc1478bd06fbdd	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_oryzae
7c5eaf724c3854f045697d3ae90f376de677e4cd	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Dioszegia	Dioszegia_takashimae
194005d01c9280d0910d0ff6246d5d96e6dd3f60	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Dioszegia	Dioszegia_takashimae
7b475cbabccabc609ab327a4f1aac2df467e9e0	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
225b26608ca5d332eba7c90ef13761c0715ad5aa	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
053c1efcde072ba05ce0fcb4fd0fb54932930a9	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
1b76dc3e969dd3c37554a3f17deebce8ef6b79e8	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
94868471f8780949bc3c498306ddb618fb74f96	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
0ecd723741f6740aaedf9102b7db440c05b6fc31	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
cc2f4e953a792215890622879fc2271fb0dd059f	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
a6ea50f5b5e362db0e2d0e023b83e35540ecc390	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
96ddd4f0f951254109d82e332970e8606141ecb2	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
077b682cd764fa8a6be9877bd755ec08561ff2c5	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_siamensis
481c9cab5f3fa967e68470aac70ea3f05a6a1987	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
4d7d4da5fcb9cc861a8f2622a6f82a846270380b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
27739868049300247627fb5837c524e6cc3e61ee	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
abcc13b412dac96f7989260a017eea48ebe9d37b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
00dec8f288db2e0db2d60831f0a32572446ad226	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
1c9eb326549bc3b876fc84758e7f2e081646847d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
24d01e97d0ef1c6498fb1cdb7fb5e0c5def9cc7e	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
16164be9003c372221402d7c3e61fb4d9e4caae8	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
221a32b281a023a33457be5fa67256bf396e4994	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
c234b0d25469890b443602ed0f387248686719b7	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
01a9803e303a5c3464ed469aa357a6c566301523	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
67cf81113fe3083581fe8b28af5d900913b89791	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
5927001eb688c4157759f35637f7ed537e8dcab3	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
b9595357f056c6ccc739de34075c605465e5fab	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis

e96688e5ebf13b8bd40d7aa39eded5bb253347a0	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
91cd791ac74d2088ff30c114e106ea9ad39f9cf5	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
9aabefcf88634a5caef875a52343e04f01a82fe	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
a5c43e81ad471b7f86229455c93eae93c685ce76	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
516194bea8e13f5a1cfe46278d91d420c61f7f32	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
a001aec982a5ddb0be4200e38fab39431a45d56	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
51f1579e4f3ac7aa4f3179b0eda1f8fec3c2df47	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
c37c0bf13aef7458e382ac4e832727bbe995142d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
6aca73137a5926d421b5ba51abc05f7f3db3ae9f	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_friedmannii
1480dc92416b5a8eccc9b0753ac46050bf8dd9b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
54922780f5c6861d40b20bf512840326d889ff3b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
11b088756734c941e21b25c8368347b8c6efdce3	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
15e3519c096e1ba7093518b9a7fe162cf3c253cb	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
3e4dc35c78d902080c81163ac8114c4ca297672d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
91301fac771e2b7ae380d675b6771686fc378cc4	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
efef46e8c388257878160c6f38d19eebaa74ff40	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
f56822cd57fe1b0af1ebf5186bccbbe646068fd6b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
03c0929ec2ee45cf91f740ac6c665c60e4c750d4	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_flavescens
13eba34c0a8d2ed9f4132e4c7d5aab025c004154	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_luteola
bb8b4dd5ce5915418ee12c9f360a1c78fce01181	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	NA
1a3f8a61556cfbe3e687df28690207be2cb55957	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	Hannaella_sinensis
01199f9325f109c6bb66ce16d2606bd1184a5cb5	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_laurentii
152e585881b9a46116e4532fc2b2d7e745de8b38	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_laurentii
fd006321f8394c9750739fd8ab66d9c55c70025c	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Tremellaceae	Cryptococcus	unidentified
590d3b786e9b0fa9137e164f08e724addc5c553b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_laurentii
91089d9f2bcff73f338deb59e48ad0f3ad1603	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_laurentii
ea479687db5c5172c1456a75a36c7fb030be29e5	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastromataceae	Papiliotrema	Papiliotrema_laurentii



a6675edf90b6e41a555da027d66f233c54a34d44	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
2f2b8662ce42e020b90f548cc737210a0f65cdcd	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Tremellaceae	Cryptococcus	unidentified
164591ad6dfdd0b9be3a5efbb6b12e893bc27b7	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
15e34dee2fd4036b8931386ff7d09c573339e57a	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
803d968745b8e480ca6f6be678862c1e79583c28	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
8d0836a26d659c1cc0a480ba667cee1ec30cc6a3	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
8c371568752325fea3b570d0c59e0296543e7420	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
2b3a30ebbd60c0956db36d2ad3cca2e38a280b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
2b03b5a02d686deed84268d1dd845d6a895d2b82	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
a447f524b7ec066fcd03a7bc0f888940c518a2b8	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
098130524a2948fe396a3f3d1cd333544f6d10bb	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
8e2f41a159a7f05d5246218f13f95ed56f271184	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
f97b73eec4c5baa7013c760f04e904b3c84ecfd4	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_terrestris
024e93bd9cfd5a7676110fdb25e04aa6c138910d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
1d4ce57b112bea12662d57b7a9aed21fe1d60f5c	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
0325bd5ef714b0bfeaaa8f288cd80b27d45b2d95	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
9484978c6a9a3d83ec75da04e08bbe7ec446e3ab	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
b78914d6e47b2a11f3968c33349a58032cb950ad	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
168a5e6a004cfe614f2ab71ffdcac885e770cd09	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
51d8a5cd36ec641952e766e5ca3f99ce57e0fe04	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
56f0ce6f720b02564b88b3d0dc2ca3aa24f21048	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
7e2943f91b4df62cd95191a62b854e0e28c6bdd8	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
b078fcb835bb7b6478cde72a2cb3626a76df6e7c	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
05fec6e7a5ad0330817d758c5c9755e02d96a15b	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
08ad9843fcd696e984f4e5e557e27ab0eb688697	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
72adff207f590819254aca87890e7927499f7e7d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens
38aae88f9f5126198f2f5687a8a94e54c182dec7	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_flavescens

5375829c95e1531b1196cfd7b27b0c8d47ef710d	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
b3605dd5ff0b8327265e27090aacad480d882146	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
0e055b31644a0e6c508a4de270638fa8008d71ef	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
e5bc3863997ff3e990a6dfc9fb9ee4f8162b5e3	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_pseudoalba
SH033653.07FU_QJ0033630_reps	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
616597f78600a530dc5ff2e142b525e349195985	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_laurentii
aec19276fafa106bcfe7e404906e3d6a19d1daaf	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_heimaeyensis
6a1f91227504847473071c03519cdf12a20b1a4a	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_victoriae
83a749f4ab7f27b15b4578c3ed9c8385decfd2e2	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_victoriae
1cfb041629cf4c250067e6abee43c7b5020bdd5c	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	Vishniacozyma_victoriae
e22810bab8fd35b9107b0027b9702bc4d917f571	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Dioszegia	Dioszegia_takashimae
7fa03f97eb0b5c9c0ce08d72747ebd2d7002bb07	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
4e2480a2b37056d6c06ca4a6af4b7ba1254aa9e4	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
1bf5a30837134dbe8fa9c1313eb0dbafa98eb429	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
b10d45767153d6cdc6aef687e0b557e927708cb0	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
12d5c9615000796c1e81f1654b499b1d58471a8f	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
9c041adbfee089a0ff43336505f36fc0bd9d8ba8	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
b4ed3ed6515753810749f7f6ba4109e0fa4c6fe7	Fungi	Basidiomycota	Tremellomycetes	Tremellales	unidentified	unidentified	unidentified
1199c91a325dcc8d4176b686a6a215f1bd580e94	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	Papiliotrema_pseudoalba
63ccfd4e3edda53379f723cca50f6b679de7ac32	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
SH496509.07FU_KP843452_reps_singleton	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	Epicoccum_sorghinum
aed21b5c8b656775d898c21d62683d645dff1783	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
0f5fcfae3ac3db16d5b82190c660a5f1bd9663a4	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
2d0e81d8cb99ed54511954e1b288f0f81fe44a03	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	NA
01c3312e3ff7995be3161564348daba78b4d23f5	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	NA
e52b3c64385ca2863054f2f90803cd2744b51b74	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	NA
d1ced50ec28a004444c7b454ba7947d780525e55	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum

71f979315ac71a41183d5e78d7e7cd151eeff6e82	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
f53c9b9e49232dd55960e4536009a1539e70af0d	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
23dd12bea48fea467b41e7a1d9cd45d59e91d77c	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
1f6d1bb2103f7a5152526d3a96c8fdacc41c0ed	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
384d50292fc7bb26903d5449f4b0d5e68c5aba7d	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
4d3e7808f5a77b18685b0ee915603945f25a094b	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
08047498dd9177305eb31ed4b029668891a583e0	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	NA
079dc8443c124c5833e355a57aa4121a3b841b94	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
1a24590697e46c8b6a9f7b77d2ae24e15cbb16ea	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
789401054070d4bbc6f379957453c2d002f78e65	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
040f9e1b91f7824fc61044049491272cc0c97908	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
830b823ca38e3122c8fe389654151f27a45746c8	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
4951bc3e2e5ccdb0bf56fc008734064697fb2eec	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
d1ac6b9839504a5d25ec5586abcca0ace29f2e37	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
7e62b9c1ca7cd4464be37be3b861d17c20c5c1f7	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
231697768223ac090c9e246aab3bdcf946b8b8cc	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
c68ef6d3bad02cae9309bbd52bb65af80226da4d	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	Aureobasidium_pullulans
785e1b5a478c2a6abcb4b0cb2272cad7a602dd24	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	Aureobasidium_pullulans
5673c12b9e7849510ca14f0989592c9bd7193078	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Ascochyta	Ascochyta_manawaorae
19115c1b2bc0b28d1c77c798f691375b1f94c2b5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Massarinaceae"	Stagonospora	unidentified
935903ad1aab2ef21d35a3f6c7636bba49764b76	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
2a1420eec6fb550f254529c4e03ae068a0c71f3e	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Rhynchogastremataceae	Papiliotrema	NA
3f11f1178d1f3f0b9b4c80da18500a1704d055a7	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
6abb98bffff246c158e9d18fff4b469521c663e5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
73e46a0738987cdc29d05b491e215f8103b4c74a	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
3ba0f5efa9f0d504ae8507193ec3fd7d0bea8fc3	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Phaeosphaeriaceae	Sclerostagonospora	Sclerostagonospora_phragmiticola
801f7b51e83d303514cd6a148c9462173128cbc1	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae

89b500473bba543a02118d9ee1fc491391d22eb0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
6f20cfd2fb74617967aa7e81c0f1671c80f40c56	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
12a7d4db75d5610c3362af5e87d0df4864e34842	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
87730287c19bce2ea39aebdc2038cdc9bd52653e	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
b1537bfe17b3951dc8f77de94e8f689cac5fa7e2	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
4c2d403e58d5e4bd1d16f598ed0e3ef5f83d535e	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
75781aae97229688e4f55ff0fe11ba9f119b04c	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
07cd77ac8938cdce1cd8910a0688a346711bc9ef	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
37a92f4ec4d30a4f3cb7fd56439dce8625bf12e5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
360fc807b13846afad6e7143b992d107b5974293	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_glomerata
6c99779749727e5ef432a38273771db2059ffc1b	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
6de037967766de8357866417433dd986f40074a4	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
580687dd18bd82a9a99bab36b1aab84a398845fe	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
f6fa7f730c924be4a573850707237a8811c1bb61	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
1a1f789a02f3c3de12cafd51e96352b926feb96	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
b836e5d83a3b6ada5322a8a43003a952c87c8c64	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
0eb123c2e9ae44ff326e8f58b6ad02087a929e81	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
0b9ec6c3706916439ab45901609e475cf8cb8ec2	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
c0cf94034c321ea9a111e57de4b33976e794cc02	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
1a36a0716f11499356ebc8141a12ad723251f442	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
1d6d0fbd17111726747bfb85f8af6d754d172198	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
0527bd9dd372546c0627b014b51d6c1ce40fe4bc	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
19c4c864f1e0feaffd2eb10cca49fc3ea866bde6	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
13c58915a2d2e17fe8e004e75e2c071ccfbf6877	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
06b5591f623caa3fd30a457bee83708b0c8ad289	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
7cb45e7bd4edbf739d5f087db136760c1609583c	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
45b0c6e6212162cba84688916a3456ed31de7fd5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_calidophila

e5b41dcf0e6e2f51a64047fc9f1d5bfec312a63b	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_calidophila
b43ef721fae216176caa3c434a14fc9a507a3c45	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Neoascochyta	Neoascochyta_paspali
a6417a7a0e27bca29b7c2444e3fcb41df47ff16b	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
446728c23ac993afee42b34dd185bfde01d5c7f8	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
aa3a20cb894920512f1072db588a22ade4b22ca7	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
85a29c0c950435653af4c4aaa04d0f94f7985cb3	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
a160ecc55d23ed787b152ab2610096714236815a	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
35f7fc2b79765f9e64b64856145d02daec375a21	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
a3a644d2d3621708f9e58c26c848b9258f647b11	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
3a01bf7afba2b940fb7f710a4080ffb2455a8b27	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
285d529326ba394969f9bba93b4e642ce3238714	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
acac64d31fcd4564cc2737b72ec2a4d53f24dae	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
06c196d3624655a7a28d4b89a5474ae46fa5de7d	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
04bd0ec6a3d8a6b9a846f57b7e66a56ce684623f	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
17767ac5a6b1278eae9050b8cca0c3d7ee93b65	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
8f6164b252990f5666169faf3150425adab041e0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
2e226e4969cacab39ce017848ed09c1afd94580f	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
37dcc8f181df6348e6ff49c2cf9f8e52374afe6b	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
02f0b6577cf8d9f814419b4f48ed322d3de5ca86	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
16beb1965b116414e643fd920a08f3617dcf1db8	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
0c74eaa13c934e25bd3ce818732434303ee33eba	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
ae42fd6c74126c6001b022fcd5f5c7937108734a	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
7f6ac1a54487b0ad623735994959a3823b6b18dd	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
018ab49be41bff434be6ce054d009bcec91e1028	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
e300f4680afb9e9e9e499cb81129ea099d3a0804	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
bce8441ad7b2c68e7178a7c2d22f586ebfbf0801	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
112f89b8fb26445c6c7ead77c1317c6130dad974	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae

7087757ab5a6b73bf15f2b3a90cf6698e38340c5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
1fd95268d52a48f9fb8d83e950f3448b64949c99	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
c85c1493b09226cad4fa7babd6992379853e2a86	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
5a4925f7e847a61a3197639eed733d9155ca64eb	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
7a1125af2bee53f1c250fa97e0a2cf6a763e0377	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
062218f239034b31f53d963496b5ba8d0a6f6b4f	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
2dd9dc5cbc96eaa9215b65aff2fada603b5983c5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
1e1e62d77adc38f06f2a25bf6cbbb0eb256cedcc	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
062281e7700d6319021fc4b3d6e1ac838ee97f61	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
410031cde3f78ecc543541b0e21abd6572a51e16	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
80b21b276ccb95c7d7d32bae3061515f066641b9	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	NA
1bd93618c7cc859e2165ddf837636a972b101c8	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	Mycosphaerella	Mycosphaerella_tassiana
da562042497985f48c6191330f6a6e95f9b4ef22	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
558e89825e995ff09799addf857870ea07cd37aa	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
3a3e34fd25a66284678461b115a7515bccc845a1	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	unidentified
0149958ea7e4cb4b74c70bce34120a82765408fd	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
0a20c916a424f4402ddea5caaf5fe5d4d9838945	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	Aureobasidium_pullulans
f426ec41cf3c32730b241464735f4b53a327a26	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	Aureobasidium_pullulans
0aa6721f1f443cbcd949ae3189a37935e675e05f	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
23c1c8e66476fcc1f774751dccc26fdbcdb13fcc2	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
a4e1f379ec4d60cd9cf27bc243322b1f003990ac	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
62baada5e6f791ad705c630e8d74c4a0e203061c	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_albida
c6a2926998568b5da09e79f8ea8985b037ce86ba	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Alternaria_eichhorniae
c260b24c3a0d1b6922080da30db57898e944deaa	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
ca752e517b85379d9edb18cd1be3f79cd4d3367b	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
50bc3eda5d1074e8e255fd7e458f4388d62ba521	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
6678434de4dfc36fe8052f8f9427dd8ee299b96e	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA

24cb2553805e9a5a019bcc611c131e513556b2d2	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_glomerata
8965a22b2e41647a511f95816552a4c4e2515f4f	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
74d7a2145e26eae56d52aaa36fe6ee7231c936f7	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
18539298c436cedd8a27f7f53f6aacd1f1ec97f3	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
1c5bece93302ea456eae4874a712c4d2f96c088	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
01d17e8b82124b7a46e954f89665beacfaa0d197	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
148a86cdf70d339c206560ba0e8c5ad6e2080cc	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
349d83a5072d958dc809a8ecb11d02c6dd0efdc4	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
037871732a33670a4ccec836771a30e7557cb437	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
04b0e69e0468e80a8c43d2c8d0794ee7be2a9da0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
03a36a7bd3b76687b9a83ad270f792297fa260e7	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
26d6edc025e8cb98965b6e0ad3918be980794ad4	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
a9917f4d2f56ccf3561be3280035275358355714	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
1e4bad54e239bc0abf0a48d7a3c6d8c6cdf3659	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
5cf7461d4306b94878162a34618a9999eeb9ec4b	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_friedmannii
6be52494c86233d8e4396f76f8eb12f5b9c4c6b5	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	Naganishia_uzbekistanensis
34b0c3e7596d0aac8389dff4c5e9b0bf8ae8a2022	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
eb16f0088f280f0a1799a4d990923e43eb7918ba	Fungi	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	Filobasidium_magnum
250a178b7d392ce150d345411a0a81ba10cd79db	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
ae54d23f4d8060b41c8dd0b9ea79ea50935ea721	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
3691092522feb3973d7cb5ecf941e63203edef1	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	Gibberella_zeae
SH497161.07FU_KT161088_reps_singleton	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
7a4dd568b88e6ae9befece3b06b309cb961b4d3c	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
c21d26b2d7c6f192a1f1ca0a787f1962dd58d0c8	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
4ede8d8aa512c3b12a38ae961ac0a998a2fbc8d	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
8a5b8c21adbbd7e3147941fa01a070eab9595938	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified
45ee0e45e6d37dea37c542362a59fc264d4c90b2	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	unidentified

e304ba7d6a578e843ba4a99fab63fea4b6137278	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccumun	identified
7f8f48d5623c08aec0e6673866d27d2c08680034	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
d8a1afb77f63397b77db968970045e3642becbca	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_calidophila
4d87995e987169a300098d30212b9acf18ac7076	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_glomerata
5554924747d8f77f07b8d270af6bbc222bc911f0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
1d41ee3e0a6da1aa42b79dd58db05e2182e806da	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_calidophila
01d122c4d84e161cdf5668a24bfe8bd23df948dd	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
5b3f0e096d0d716e82782a7fe285d45e537f9391	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
cca270b60f9365c1f9382ff7396203cbe425bdcc	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
2fb88f928f4e217ffddb1fcbe27ab04f6abf8dff	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
1db7f37b02876999b97e38c0be30d9cd5c219eae	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	unidentified
8a7b94998347d6b0461a3d02367ed4f60fdcdc81	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
3394c9fa87d5e97504f2f4893efc61cb970777d0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
2157c6284e9a8e2dbf2d8a7b251a65e8d0fb03e0	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
7d2d82212c0c145955617b0b0c12403a9ed6ecc6	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
2d36f53cc250006edf9fc4fc6a3021f204591e41	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
3aaa84037e390c47eff94411ba4e280c144d09e9	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
1ddbab782dba653be9a41999c8a4f498bb0c9533	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_glomerata
41b05c69518fcdfd26fcd836ac16d9b5ff048bb4	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
315d558c33b96b0299f0dd2ecb0a2ce2279820b5	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	Didymella_calidophila
1455da152f2800623ec903d8d87141f5bba2b414	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
38462ce827ad1b9a4aa7f17698ac8931b7aae954	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
1cf019d9331b5eb8590f02b9c0cbc132beec2b28	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
01d204d21461cce4b021f8971832a3ca62249bf2	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
3fd61f8136c3a085564e8465cc2589439ed94d05	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
1a4c0366e6399afbdf601295090555bf1032bf6a	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Didymella	NA
64d8f597a04c8aeae1469f986dd99b9d3c8d1d3	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified



2b3a37edb481efeb99222b20fcb06db20e4c26a8	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
fd6f37eec34ecb2be0ef0612cc2334611bab0c61	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
168850e77e1bb555c52c99582f022b76643ff1d6	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
074b1743aaa0b37485c05b472d946cf2f647952a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
f0c16135fe1a22ecde36d6a496556e10d29f588a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
32e8053d8904950e3232b31c9878b1f0c42656ac	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
4fe0eb2a7a68529067a8f032a83489e73b9395fc	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
a64d86f63b71372cefae0368e427b934088535bb	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
263b758a460b8db3eb9504d7331310708a99db01	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
a56a069403929a84ceb37e37b78c1891a22a97bd	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
1fe709507f0a86daf7792a86222c09dc8601331a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
a1a7953f170b0a34860ca76e549037f977f4e4bd	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
75cbf0c8ad28f30fccf7b278674e08e9c5dfc7b0	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
4cb64339e09f165fc473ee564a691a17c3fe67a9	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
23daf2f48093979ea1808b1deefd22e11dac9f68	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
e1772c9eabb5109ca0396e8a9a9364a6e2294434	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
0b3a943c766442b99653506520066ade628f3761	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
0455b80b74e05598765246f837c5fe3dea82494a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
04a7a21c06409ced80a7999e9b21512177c1a11	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
48ab615373e57fc4c75610b800292f0068382bd7	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
c1543069e98939862421d46bfe9fb18649c12109	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
e42bbbd38c956991f87ac533b919485f6c3de999	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
149819fab265fdb8194f5ee2f39053a2d5a0f686	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
9f72611ee15578cf546573a57fae8572c765ca0	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium	Cladosporium_delicatulum
18519150d27530becd686f72ca57bd357c13f4ad	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
2781a0f3b45be84330b4575f8879ab90a718b79c	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
2a8c598bea11b23013edd44581668c97ae61fca1	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified

202137ff9f198a0029a97be3bd03a52b9b54abd5	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
0889d514d2c4c302329607fa27f8972f21205f0b	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
334a944fcdee0e13853290f5ae1ab38cf4e8ba65	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
25b1757319e1e1161bcc7e5147e294b91f10fb98	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
5a7da0b006f59e2881f6f4537f2adfd0d85cd9cb	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
b9e3db2f78c7c946f0cc6c9fa06e19ac7e2b19da	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
40c293fdf31ca7862c514f7b1acbf1d0b3ebee3e	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
212002be03fd1e09a4e7b3e64c2def66d2517e93	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
6b2806cae12f3d52d16804d3d4de53aaa63cad38	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
639687cc3558013d1a40d813fec4e89322a6bdcd	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified
705d80d330921fbf1e905e42149fa81d9a94351a	Fungi	unidentified	unidentified	unidentified	unidentified	unidentified	unidentified

**Table S5: Bacterial OTUs counts of the microbiota shared across different disease groups in sorghum recombinant lines**

OTUID	TAXONOMY						
	Domain	Phylum	Class	Order	Family	Genus	Species
d244fcd9c165d2077e6f0f1065a00f5	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
4768bf47032e05ed009446d578d074f0	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
9ca8b02da6505e4b762030e68608c352	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
98578e74c67b47547b7c6b566e1a53f6	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
582f3d4e82961f17d865d7ca7c5e767f	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
aa4f2793b5b15e929d7f861aa7573e45	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
0dd4a59680a3485180c85e8a59aef35d	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
9e4c3d1e1821f542b5a2d5d9086de0f6	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
68005cd6e75d35f9ed082cb816e12da7	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
10a842c1bcbf585a847a4407a547198d	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
054e2b28c8cbbfd0c8d6513b1a3d65f2	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
3d465a10e68b477d4a8744aa6b0c9177	Bacteria	Firmicutes		Bacilli			Bacillales Bacillaceae Bacillus
8f87fff663017f23bebd21381ab628de	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
08dabc25fb6245ca62fb0a90c6473e61	Bacteria	Firmicutes		Bacilli			Bacillales Bacillaceae Bacillus
1f797ac5545e65821840da6560bd7deb	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
98c94d54ff8e1f04faa323710b8c65da	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Erwiniaceae
801795849a0cb16f8186ff09fa4ae6e2	Bacteria	Firmicutes		Bacilli			Bacillales Bacillaceae Bacillus
b6734fcb29785e3a46fd0ae2c118ac13	Bacteria	Firmicutes		Bacilli			Bacillales Bacillaceae Bacillus
e98740aeb2176919e8a1a704f9411c5	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
f4b89690122026515c06107041bd63a0	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Yersiniaceae Serratia
cc5698baa986556badf6d5da67b0b1dd	Bacteria	Proteobacteria		Gammaproteobacteria			Enterobacterales Yersiniaceae Serratia
d3f8323680d131469f3c341933239a71	Bacteria	Firmicutes		Bacilli			Bacillales Bacillaceae Bacillus
7e37f2aafa11690450074aee2577522e	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas
2e381ce7051241b12e925c66ecd0e307	Bacteria	Proteobacteria		Gammaproteobacteria			Pseudomonadales Pseudomonadaceae Pseudomonas

b2f1f385cbbfad6706d595f93e6a6d7a	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
58b659ff045120adf561122d84d316ab	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Yersiniaceae	Serratia	
c401f3386cc1ea1865cf8f2ed14ff32c	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
0896ec427b7736da3e045df37a164574	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
6c4fc8a73df44add4877493f31d1152e	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
5a333103e1bab94cabb642a830a8b693	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
f46d90fbc6fa806fde8c059266af9940	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
52e5041f6a05dcdac2e8d48c6fd1714a	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
7d543628ef4d9b0e4e5456a629f5d715	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
c83eb62bc82f55c5f125dd684ab14278	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
666c24d5a3a5ed1ab11c15563f11d9c6	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
105ac7ad03fa99a9ef0f2309508fd03e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Enterobacter	
5112b89cc5a92a7c6ef5565b43fa7543	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
775e0480deac3177ec6e7449435632b1	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
7ba778a6ec72a0927ed5a2e0de225073	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Enterobacter	
38b78f42511eaa6d4b8a0b2979a75439	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
0155cb455b8f4879e69cf849e3f38a6c	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
f321b994ec682acfd9ef1d70558b6166	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
8d71ff640b0d130894a26218ddfd165	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
4ab768980f4412cfla6516781dd8dfe8	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
19c11e432993d9f88f84f3524bd749eb	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
f7c14d3f5d8f164f86f28d804c61f5e6	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Enterobacter	
7bac1ba560c9c6a5ef8a1666049f6e13	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
71cb62824446f439ab9703c6bb030d97	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
c4fa9da72aa669c920a6aee32e0e4901	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
cf2b531081cc679010e94726dd8c7288	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
9705b0b60013b5947bdd58245c614000	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Enterobacter	

86b4081ef432fd73be583b368a41ea36	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
a8e48aab432b4501e9ac37a53be002a0	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
977e9acbeac3dabb0be39326635cf115	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
d1cb8bec59641ca920db8a74a7ca7002	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
c8d5ff01240aaf0496fd0bb877a3a02a	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
216c0aba29ea0622f595d3a5e9e4d0d5	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
64eb022ccaf63f7cc2960d32a1125013	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
976951b5d9c2ed0dc3f2d1bd56f881c3	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
196c39f8b9fe1b5da3a66a29ec1ac220	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
b1df18c794563d5fb3ef14fc506d110e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
08698b783d78dcd5c7ea13a7353ca3ab	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
38b4467d8575ccd824ce0aa825b7ceb5	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
7e0253210da7e566635c1bbafe63138b	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
509cd07c5f0c1a11d0d0d3721abae1e3	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
370c09ab2cc713b964d1ee23e6758888	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
a75736015426277758ceda9e6b36c7e0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
9f34999b0cadfb8ca181bfaaec05d280	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
8c3f329812be2ff82cbede5179c55545	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
818e96b1ab158054f761dbb410e51190	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
6658d6fdc6625d0c8a95d8f4d3d6b988	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
092a81eade65ffd4791b9248d3e3edbe	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
e78f9b84c9c290b27131084a70c8d9c4	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
7a1bc4c1bc0ddb1a6f219019f472c30f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
05a6b3fd733303fad30472481062055f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
6b28a85fb9dbacc77e7dc7b65e1b5110	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
17166d4370f241b0140acda9a9262da4	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
cdf0483f2da17a545a550f53ac4ef916	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae

fa5812aeb0b839d39564957369a5629f	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
670d1f9f18a319e9e2fb6a216f23f7c7	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
3b26416c715b31d84f1662137bf10cf8	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
8715f46134875805dd8ed69cdd1b14c1	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
1f5e949bb7fc8a29a0843d2ef3b0e6f0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
97e14252500a8aefd532e5c408adfee2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
a3161ff2872cc578387f100a8ea43152	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
74ea43a6b1b2e26b4b3c708e8ba06fad	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
db4644a80c257964e73c4790816c829c	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
338b90029f80570fd6ef35bc45e39d80	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
d479524407c3f6424b2070a7a5502e3f	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
037010eff5dbd45912c89a3bbaa2e963	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
0ef658c8f029923c94290ca24084965e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
d572e1149d36200fd49296b4b5443729	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
964fc0c233a92fd68d9a0d4430d45c0c	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
808967b1527e9b8fcb95e758e19209a4	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
4310a5bff3758f20b6d83271db25faa	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
8e1e924cb95893b047ec45b8cb82944f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
8dee20f8caecf22a043d206b852c3a8d	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
ce4ed31ba1c0ac645a4230910b653ecc	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
4f1978c875280257c42cf5d2cf5cda63	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
0bfe76e1f4067a0c1286cd16127b230e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
89b299a484146aca98974a7d86618d	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
fc3272bd3e50b11e011d6ef3dfdea89f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
6309ea6ea686a55c86422938eaa4e880	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
571a0618945de19ff21e26377b230f6d	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
8e5ef44521a961498d13c26c1f12e4ce	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	

7f4cb7fc77572f4275b9fbc93cf37c0	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
1c1134b652171ba500291e0efc03aeb4	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
4f1d0b37a24b8e17c6bbad6401143f31	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
06f0c4b99ea8ddd52e00d1c4caf5943	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
949a08b883cebfd8f17bce1e9880cb85	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
84e4e2970267d093a427258cd1e7fef8	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
135d60c982d06f6ebd2bb51362dc913e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
c7bb36bb6fb78f63187c4cc1851de694	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
0a77a518f8016939d5ae4e7f18b4325f	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
aba72de5a1d10273e98bdbcb82ffeee	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
d5b4e9d7e187df48a79a03240f638f54	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
ae048cec6a87575d7b2a9db7c2007747	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
a455a3030ce155aaaba6e7472860f4eb	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
cdf88865d582a1896451f2952427a051	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
951cc3bdbbc49813299b2b66fee31745	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
1934ff4818858546d8a71aa2e76001d2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
dcae9543f0a210242cd839f60082aeaa	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
748c8215487b56e4056a5bc82348d030	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
87f743c84572c7d4c3ff59d70c7176e8	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Cronobacter	Cronobacter_turicensis
b1bed57675691df3102647315679919f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
1e2d1efc09662df5768670a1d58e96db	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
917af0fb7cf8c1b3cb4752637cfdbbe2	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
ba859bf50c687f8956ecd5068afa05e9	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
6f02caa7ef1fb6d2779f918c1deccd8b	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
99b0c28e7e4a128819dcb423fd8feaf1	Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	
31fa9877ead18c959fb29b9479edfe37	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae
33111e02daf94b0ed539dcca8d985e8c	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	

89a822178a51db6e53308377cdd1e73a	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
8cff0bd9d4a1d103010c71a7b85d54e9	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
5dc7505a4eedef4ddf22d04886f11cc3	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
ccf1c4a6d14b3d1d5a91661f03dbf282	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
02b01f8f2b45f8a0cd3e77e0b29c21f7	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
c5b47e8abfb27ad18ab69c974dc73255	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
c8af609765165ad89b8947bc5409d81b	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
8eb00dde894f5ad02b9088243a03a562	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
c5a9d83c984029a21ebdc8500b451f96	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
84f8e84469226b10e61f07e95f0efc08	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
7183732485f803fc4a6b623025392860	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
b72f6ab7ca02ecc176b42613e10da834	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
fe0b7320c746b4c91535c1c57f051daf	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
51701519fc9fc3aed7a8372743bcd515	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
1d4fae0415f7d980b460a92ce445096c	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	
d813774b7efb02fb99b1b58d5ab3b2e4	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
5a0b1e4c3822bf5b0da77fc050bbd255	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
9050b2c4bf03bd4b8f2f38b8f11c19be	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
e0669cb86537c4b0fc07c55a9a58bb94	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
379daf2feebd870bc08c1ca1cee2c542	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
8ff210ac388f826f381ded44dab88c94	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
0bc28d38198cb752d98b9a1a8dac7ed3	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
7a975ef700aba1a4f322de78cd97adf5	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
24e1266c833ef74593a6d9c461daaa9a	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter_baylyi
cdea23f9956fc43963565b01b8b39731	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
29b92d2680e49e1ba69adedc38f2009f	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
bc2a0d1e2d1db80007aaa7a3f74266ae	Bacteria	Firmicutes	Bacilli	Paenibacillales	Paenibacillaceae	Paenibacillus	Paenibacillus_wenxiniae



8acbb82020863dace142addf5ed1c6e5	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
33c578e5a9f66bb4d3f9dfa785540e36	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
c3cac25b433da7813418011e3a6c52f0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
cb8591f4937151eb720b611a7d9f9235	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
ed49180ae59dd94cd3cf4697c6ef9a8c	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
dd612aae1c4bdb80ee3255b71f6aa4d2	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
9ab2c5cc24cd3a2d29b71f07f804cf3e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
b6b3f51db0f78adcaec4500b289fc789	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
8f298864cd39e4c50520a0c16eb66a7b	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
b6d3aaec161ccdb983bc31f0f19fd1a	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus_clausii
2fff20112e62df3bb60f5724c8de115f	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
7985656ad563067803337c7f05ecba00	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
ea8b47e63e2814101697dec7b7601e0e	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	
2e3ac109539761fdc7e2cf3190669728	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
311ea4b66d344848fd7dee02057c6e50	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
241a5534d1ba6b007915b997ace8dc06	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
59f094c853e2992bbf6ca38f229307cc	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
60a5cc1f83762b6423a9c83dd43ab0d0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
d5f53ee124d270289b09967503066682	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
e4ab0e561a2d2d514d24cb749d0f5420	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
287a609f17e8691d3a5be8778fe5f4b3	Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas	
ee003db088af5cc1ff1cac3cbd9e75ca	Bacteria	Firmicutes	Bacilli				
16f16fb000e9e050d1895c0a575b2d45	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
adb2a38d7250142fe0e337a87a31a9e8	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
a09d3b1c89a7a8ded550ade8f6ec2495	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	Kosakonia	
356c66397aa003abbaeb17f0719c95b9	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	
f5ecf28fad00ffa68c46e69db1f4c31b	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas_psychrotolerans

2de6a0d760d54a88a5c7aab6ad367207	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	
7a0274b5c49e7ee27477b67f322df568	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	
dd1bd91b3d10900571a4b8349403052d	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales		
0d3b60b5e0150b7b346d78b84ac80ab2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	
60dde2c45aeb223b78e29332dc36cb78	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Siccibacter
9685f6a77cf314ccf656bb3bf9cf52c3	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Siccibacter
689a6c996043cedff4120919a5c21e44	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Siccibacter
a585ad71f8405842ef4685fa1464d0a7	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Siccibacter
8073aceecd4f98860ed33db0763e6d8f	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Aeribacillus
63a0c039f10be7e9420883e58c55bf8f	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
3705dc4aaf47e7e92f42926e64688818	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
d2ec1ee0b4134e4f3454376ce3e03f2c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
cbef48aa4ca321bcdbcc9eb7575a640	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
d35e734a10fdca616f7cb0b25b34edb2	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
8e83f0e513f8d341a783dbc5cb2f8b0c	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
9c93259e860265391138ffb7abd41110	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
7439f74c07d9cb3da15d289522e1b803	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylobacterium-Methylorubrum
53b3e344a453ed58401863a52206e09d	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
79118b9e75537926012784c8241fd455	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas
482f28820454a97e727a4e5fd620ea5a	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter
6d08186963028a0bb368a76871e48c13	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Yersiniaceae	Serratia
6da307d94a50f6007c685a5045436518	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	
7f9281be8fc7e1150bb545c7750a0023	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus
41afdbbb88e290a50ac6f0a7e5bf4400	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	
bbdea7392258fda4949f3d0671753e96	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	
ccb9092e46578459c3e2eca54a9a16ff	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	
8a64abf6c8f48a271323cc5b5bf33fd0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas

c8fdebdad38758ed0b8d20297b554029	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
e14b2cc9f5b34bdba0e5fff3d62292c2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	
6b17e21061b91f9319f4a7ff6e5e4855	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
8b16d121a3811e1445951818d8b90b01	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus_clausii
c7a1b36304e7cf2ae7cfd2e49b89f42d	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
0bba615ff27fd3d72dc992ee90d6b81c	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Yersiniaceae	Serratia	
156d71ec37b6229eb49747b8f1017e0b	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales			
b6a52b0917a252e110c4cbf7597881b0	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	
a702449cafa4e002c48059d822d14617	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
0aac09f6fcd692d6afeabe3ad7989345	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
769316b3a036796a6a544c892e3e544c	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
a58fb6e3be6f5b4ef34c9f3a5cc22a77	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
77a7b90e32c3930d57af108ca5325fc6	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
a423140c7cfb08c4f87de40663ce39d2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
cec0ab273138a0f705bfe5810f3aded9	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	
4c5ddba97e41e071eca1c9c960b7b540	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
6766cb541b7f06a91377523f6477e821	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	
da1950148586d64eefc8853b72560b72	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
cbf39cbb417a2800b949f7623a898982	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
b1bf2a17358aaab11fad8f4e2be26d4	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae		
070fe8f226aff30e83b5c007f437c3d5	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
fl5764c0cba170a3b6013d96d911bc45	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
715732c4eb5e2fbfcaef0b196c7c78d0	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus_clausii
09d09cc807e553a35ec99359e229468b	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
705b2da996c9082ba4ea0b8b7012f29b	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	
e2dc5c1e25ce4dc296eef6fa6a5fd933	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
8f0fa413ad03cdc1f1134d6968c9c494	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		

4516fabba3e5a091cff9cba6ff8b97c2	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae		
e8d1c8c54e9b298d6a049046f227775a	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
d04f307f13a78fadedc0adb2640fb92a	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
95bb7068516e839bb17df763de591ed9	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Erwiniaceae	Pantoea	Mixta_gaviniae
4ab92360af3e20ecb382883e73990fed	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Yersiniaceae	Serratia	
8e3f25eb2cc8f14240c0fe02e8e854f8	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus_clausii