

Supplementary Material

1 Supplementary Tables

Table S1: Breakaway analysis of the ITS1 dataset before and after merging PCR replicates.

Sample name	PCR replicate	observed	estimated	error	lower	upper	breakaway model	Merged observed	Percentage ASVs remaining
Trap 1	K74PP_IGtrap1_G_1	371	371.23	0.50	371.04	372.24	Kemp	317	85%
	K74PP_IGtrap1_G_2	361	361.59	5.87	361.01	392.00	Kemp		
	K74PP_IGtrap1_G_3	389	391.22	1.89	389.32	404.16	Negative Binomial		
Trap 2	K74PP_IGtrap2_G_1	447	447.89	1.15	447.14	452.80	Negative Binomial	362	82%
	K74PP_IGtrap2_G_2	462	462.98	1.18	462.16	468.18	Negative Binomial		
	K74PP_IGtrap2_G_3	417	421.30	2.69	417.61	447.11	Negative Binomial		
Trap 3	K74PP_IGtrap3_G_1	376	376.22	0.47	376.04	377.11	Poisson	286	81%
	K74PP_IGtrap3_G_2	335	335.72	0.96	335.12	339.26	Negative Binomial		
	K74PP_IGtrap3_G_3	348	348.25	0.74	348.03	350.06	Kemp		
Trap 4	K74PP_IGtrap4_G_2	8	8.25	0.57	8.04	9.51	Poisson	5	40%
	K74PP_IGtrap4_G_3	17	22.51	9.37	17.20	165.91	Negative Binomial		
Trap 6	K74PP_IGtrap6_G_1	307	307.03	0.17	307.01	307.15	Poisson	234	74%
	K74PP_IGtrap6_G_2	366	366.95	1.10	366.16	371.62	Kemp		
	K74PP_IGtrap6_G_3	277	277.09	0.30	277.02	277.46	Poisson		
Trap 7	K74PP_IGtrap7_G_1	282	293.84	5.65	283.26	393.44	Kemp	241	88%
	K74PP_IGtrap7_G_2	270	272.05	1.61	270.35	282.06	Kemp		
	K74PP_IGtrap7_G_3	265	268.47	14.61	265.06	451.75	Kemp		
Trap 8	K74PP_IGtrap8_G_1	233	233.03	0.16	233.00	233.13	Poisson	173	73%
	K74PP_IGtrap8_G_2	239	239.21	0.49	239.04	240.16	Kemp		
	K74PP_IGtrap8_G_3	236	238.37	2.83	236.22	261.61	Negative Binomial		

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Trap 9	K74PP_IGtrap9_G_1	288	288.22	8.27	288.00	312.35	Negative Binomial	220	76%
	K74PP_IGtrap9_G_2	300	306.39	16.62	300.14	590.11	Negative Binomial		
	K74PP_IGtrap9_G_3	284	284.10	0.34	284.02	284.55	Kemp		
Trap 10	K74PP_IGtrap10_G_1	361	365.61	2.81	361.65	393.61	Negative Binomial	339	85%
	K74PP_IGtrap10_G_2	438	445.65	4.20	438.90	503.31	Kemp		
	K74PP_IGtrap10_G_3	392	394.67	11.36	392.06	519.95	Kemp		
Trap 11	K74PP_IGtrap11_G_1	308	330.91	101.28	308.18	3215.41	Kemp	246	82%
	K74PP_IGtrap11_G_2	256	271.29	9.95	256.95	502.35	Kemp		
	K74PP_IGtrap11_G_3	332	358.25	20.43	332.97	1040.67	Kemp		
Trap 12	K74PP_IGtrap12_G_1	18	18.05	0.22	18.01	18.25	Poisson	17	96%
	K74PP_IGtrap12_G_2	15	15.00	0.03	15.00	15.01	Poisson		
	K74PP_IGtrap12_G_3	20	20.02	0.12	20.00	20.08	Poisson		
Trap 13	K74PP_IGtrap13_G_1	334	357.53	45.83	334.37	1839.96	Kemp	276	87%
	K74PP_IGtrap13_G_2	304	312.03	3.96	305.04	365.77	Negative Binomial		
	K74PP_IGtrap13_G_3	318	371.60	128.37	318.49	6166.76	Negative Binomial		
Trap 14	K74PP_IGtrap14_G_1	32	84.59	92.38	32.63	4421.17	Negative Binomial	34	81%
	K74PP_IGtrap14_G_2	47	60.42	6.03	48.42	173.59	Kemp		
	K74PP_IGtrap14_G_3	47	52.05	3.61	47.55	93.20	Negative Binomial		
Trap 15	K74PP_IGtrap15_G_1	45	45.00	0.04	45.00	45.01	Poisson	27	59%
	K74PP_IGtrap15_G_2	59	59.59	3.22	59.02	75.86	Negative Binomial		
	K74PP_IGtrap15_G_3	33	33.00	0.00	NA	NA	Poisson		
Trap 17	K74PP_IGtrap17_G_1	391	392.49	3.35	391.08	417.30	Negative Binomial	309	79%
	K74PP_IGtrap17_G_2	388	389.31	1.50	388.18	397.30	Kemp		
	K74PP_IGtrap17_G_3	391	392.19	2.09	391.10	404.57	Negative Binomial		
Trap 18	K74PP_IGtrap18_G_1	610	611.21	1.34	610.19	617.86	Negative Binomial	427	81%
	K74PP_IGtrap18_G_2	462	463.29	1.41	462.19	470.57	Negative Binomial		
	K74PP_IGtrap18_G_3	506	506.31	0.58	506.06	507.66	Kemp		
Trap 19	K74PP_IGtrap19_G_1	521	521.27	0.59	521.05	522.62	Negative Binomial	409	83%
	K74PP_IGtrap19_G_2	462	463.41	1.35	462.24	470.37	Negative Binomial		
	K74PP_IGtrap19_G_3	504	505.91	1.69	504.29	516.46	Negative Binomial		
Trap 20	K74PP_IGtrap20_G_1	457	457.79	1.08	457.12	462.10	Negative Binomial	335	77%

Trap 21	K74PP_IGtrap20_G_2	428	428.26	0.54	428.05	429.42	Kemp	171	90%
	K74PP_IGtrap20_G_3	427	427.06	0.26	427.01	427.34	Kemp		
	K74PP_IGtrap21_G_1	188	198.58	6.49	188.88	314.87	Negative Binomial		
Trap 22	K74PP_IGtrap21_G_2	199	203.50	3.70	199.44	244.60	Kemp	144	82%
	K74PP_IGtrap21_G_3	180	190.93	7.12	180.83	323.83	Negative Binomial		
	K74PP_IGtrap22_G_1	177	189.12	6.41	178.12	308.48	Negative Binomial		
Trap 23	K74PP_IGtrap22_G_2	182	208.80	30.17	182.67	1260.81	Negative Binomial	495	88%
	K74PP_IGtrap22_G_3	166	192.11	40.73	166.48	1593.17	Negative Binomial		
	K74PP_IGtrap23_G_1	596	599.79	2.46	596.56	621.69	Negative Binomial		
Trap 24	K74PP_IGtrap23_G_2	559	566.81	3.94	560.01	619.73	Negative Binomial	339	88%
	K74PP_IGtrap23_G_3	528	532.42	2.57	528.68	556.80	Negative Binomial		
	K74PP_IGtrap24_G_1	371	372.32	1.26	371.23	378.52	Kemp		
Trap 25	K74PP_IGtrap24_G_2	384	402.74	15.35	384.79	828.07	Kemp	469	90%
	K74PP_IGtrap24_G_3	397	410.63	10.65	397.73	651.94	Negative Binomial		
	K74PP_IGtrap25_G_1	525	527.79	19.48	525.04	740.43	Kemp		
Trap 26	K74PP_IGtrap25_G_2	507	515.92	4.30	508.12	578.17	Negative Binomial	345	88%
	K74PP_IGtrap25_G_3	527	542.81	6.67	528.64	679.60	Negative Binomial		
	K74PP_IGtrap26_G_1	348	361.32	5.22	349.68	453.43	Kemp		
Trap 27	K74PP_IGtrap26_G_2	364	364.18	0.44	364.03	364.96	Kemp	156	73%
	K74PP_IGtrap26_G_3	458	463.04	6.46	458.27	552.00	Negative Binomial		
	K74PP_IGtrap27_G_1	229	229.03	0.17	229.01	229.15	Poisson		
Trap 28	K74PP_IGtrap27_G_2	210	210.03	0.16	210.00	210.13	Poisson	389	86%
	K74PP_IGtrap27_G_3	206	206.03	0.18	206.01	206.16	Poisson		
	K74PP_IGtrap28_G_1	455	461.33	7.06	455.35	569.59	Kemp		
Trap 29	K74PP_IGtrap28_G_2	456	474.23	15.42	456.75	897.14	Kemp	78	66%
	K74PP_IGtrap28_G_3	440	457.25	16.07	440.66	890.46	Kemp		
	K74PP_IGtrap29_G_1	113	113.02	0.14	113.00	113.11	Poisson		
Trap 30	K74PP_IGtrap29_G_2	117	117.13	1.80	117.00	121.38	Negative Binomial	243	65%
	K74PP_IGtrap29_G_3	124	124.05	0.22	124.01	124.25	Poisson		
	K74PP_IGtrap30_G_1	383	406.07	11.91	384.48	743.37	Kemp		
Trap 31	K74PP_IGtrap30_G_3	364	401.03	54.13	364.61	2606.78	Kemp	296	82%
	K74PP_IGtrap31_G_1	375	404.86	12.48	377.11	797.55	Negative Binomial		

	K74PP_IGtrap31_G_2	371	402.81	48.20	371.55	2227.11	Kemp		
	K74PP_IGtrap31_G_3	335	350.89	6.51	336.70	483.28	Negative Binomial		
Trap 32	K74PP_IGtrap32_G_1	591	596.13	2.91	591.74	626.44	Negative Binomial	486	89%
	K74PP_IGtrap32_G_2	524	529.20	3.23	524.67	564.59	Kemp		
	K74PP_IGtrap32_G_3	516	516.59	13.13	516.01	579.31	Kemp		
Trap 33	K74PP_IGtrap33_G_1	348	348.85	1.28	348.11	354.49	Kemp	324	86%
	K74PP_IGtrap33_G_2	413	418.04	7.16	413.24	518.94	Negative Binomial		
	K74PP_IGtrap33_G_3	366	372.89	6.04	366.48	464.31	Negative Binomial		
Trap 34	K74PP_IGtrap34_G_1	483	500.26	9.82	484.17	737.38	Kemp	407	86%
	K74PP_IGtrap34_G_2	468	475.52	3.41	469.13	517.93	Negative Binomial		
	K74PP_IGtrap34_G_3	461	474.79	5.74	462.58	581.29	Negative Binomial		
Trap 35	K74PP_IGtrap35_G_1	426	431.91	3.49	426.74	473.03	Negative Binomial	366	91%
	K74PP_IGtrap35_G_2	398	405.12	4.00	398.85	457.77	Negative Binomial		
	K74PP_IGtrap35_G_3	385	391.65	4.80	385.60	458.18	Kemp		
Trap 36	K74PP_IGtrap36_G_1	436	452.76	6.40	437.90	584.16	Kemp	357	90%
	K74PP_IGtrap36_G_2	400	422.29	16.55	400.95	921.22	Kemp		
	K74PP_IGtrap36_G_3	348	368.99	8.81	349.83	588.27	Kemp		
Trap 37	K74PP_IGtrap37_G_1	438	441.95	5.03	438.25	501.33	Negative Binomial	331	83%
	K74PP_IGtrap37_G_2	374	375.11	1.28	374.17	381.20	Negative Binomial		
	K74PP_IGtrap37_G_3	386	386.04	0.29	386.00	386.33	Kemp		
Trap 38	K74PP_IGtrap38_G_1	319	322.59	22.49	319.05	600.68	Kemp	295	90%
	K74PP_IGtrap38_G_2	332	332.12	122.41	332.00	428.13	Kemp		
	K74PP_IGtrap38_G_3	334	340.84	3.44	334.96	382.69	Negative Binomial		
Trap 39	K74PP_IGtrap39_G_1	576	602.24	21.78	576.91	1335.72	Kemp	481	88%
	K74PP_IGtrap39_G_2	547	580.00	10.13	550.21	886.29	Kemp		
	K74PP_IGtrap39_G_3	525	546.40	16.66	525.89	1041.19	Kemp		
Trap 40	K74PP_IGtrap40_G_1	97	109.30	14.17	97.45	433.71	Kemp	82	79%
	K74PP_IGtrap40_G_2	104	108.42	2.81	104.61	136.13	Negative Binomial		
	K74PP_IGtrap40_G_3	109	124.96	6.05	110.88	244.51	Kemp		
Trap 41	K74PP_IGtrap41_G_1	98	149.37	29.55	99.83	1536.45	Negative Binomial	64	67%
	K74PP_IGtrap41_G_2	107	126.37	9.09	108.55	349.31	Negative Binomial		

	K74PP_IGtrap41_G_3	82	83.61	1.50	82.26	92.08	Kemp		
Trap 42	K74PP_IGtrap42_G_1	341	351.99	5.99	342.04	457.42	Kemp	281	85%
	K74PP_IGtrap42_G_2	307	312.73	3.29	307.76	350.11	Negative Binomial		
	K74PP_IGtrap42_G_3	340	350.68	4.79	341.31	427.24	Negative Binomial		
Trap 43	K74PP_IGtrap43_G_1	295	305.93	5.29	296.20	394.42	Negative Binomial	261	84%
	K74PP_IGtrap43_G_2	301	310.35	9.67	301.45	495.41	Kemp		
	K74PP_IGtrap43_G_3	335	373.74	52.01	335.68	2548.56	Kemp		
Trap 44	K74PP_IGtrap44_G_1	54	57.49	2.45	54.49	78.75	Kemp	41	79%
	K74PP_IGtrap44_G_2	50	54.76	3.27	50.57	89.93	Negative Binomial		
	K74PP_IGtrap44_G_3	51	52.95	1.65	51.31	63.18	Kemp		
Trap 45	K74PP_IGtrap45_G_1	38	43.06	5.77	38.31	120.43	Negative Binomial	36	83%
	K74PP_IGtrap45_G_2	45	54.03	10.94	45.37	265.44	Negative Binomial		
	K74PP_IGtrap45_G_3	47	49.76	2.04	47.42	65.10	Negative Binomial		
Trap 46	K74PP_IGtrap46_G_1	219	246.96	8.60	222.01	478.89	Kemp	183	84%
	K74PP_IGtrap46_G_2	197	217.96	7.67	199.17	399.04	Kemp		
	K74PP_IGtrap46_G_3	239	662.05	1768.40	240.22	147133.19	Negative Binomial		

Table S2: Breakaway analysis of the TEF1 α dataset before and after merging PCR replicates.

Sample name	PCR replicate	observed	estimated	error	lower	upper	breakaway model	Merged observed	Percentage ASVs remaining
Trap 1	K74PP_IGtrap1_G_1	123	123.07	0.26	123.01	123.35	Poisson	57	51%
	K74PP_IGtrap1_G_2	101	101.02	0.15	101.00	101.12	Poisson		
	K74PP_IGtrap1_G_3	114	114.13	1.80	114.00	118.38	Negative Binomial		
Trap 2	K74PP_IGtrap2_G_1	127	127.43	0.90	127.06	130.22	Negative Binomial	65	49%
	K74PP_IGtrap2_G_2	141	141.06	2.23	141.00	144.79	Negative Binomial		
	K74PP_IGtrap2_G_3	128	128.06	0.24	128.01	128.30	Poisson		
Trap 3	K74PP_IGtrap3_G_1	108	108.18	0.45	108.03	108.97	Poisson	61	55%
	K74PP_IGtrap3_G_2	118	125.92	44.66	118.08	913.96	Negative Binomial		
	K74PP_IGtrap3_G_3	109	109.02	0.14	109.00	109.11	Poisson		
Trap 4	K74PP_IGtrap4_G_1	15	15.02	0.15	15.00	15.11	Poisson	8	51%
	K74PP_IGtrap4_G_2	20	20.06	0.26	20.01	20.33	Poisson		
	K74PP_IGtrap4_G_3	12	12.07	0.29	12.01	12.40	Poisson		
Trap 5	K74PP_IGtrap5_G_1	20	20.01	0.09	20.00	20.04	Poisson	5	27%
	K74PP_IGtrap5_G_2	16	16.02	0.14	16.00	16.10	Poisson		
	K74PP_IGtrap5_G_3	19	19.23	2.05	19.01	25.66	Negative Binomial		
Trap 6	K74PP_IGtrap6_G_2	24	24.10	0.34	24.02	24.56	Poisson	5	26%
	K74PP_IGtrap6_G_3	14	14.00	0.06	14.00	14.02	Poisson		
Trap 7	K74PP_IGtrap7_G_1	37	38.27	1.63	37.16	47.16	Negative Binomial	57	60%
	K74PP_IGtrap7_G_2	121	122.45	1.82	121.17	133.29	Negative Binomial		
	K74PP_IGtrap7_G_3	125	129.25	6.98	125.19	220.60	Negative Binomial		
Trap 8	K74PP_IGtrap8_G_1	24	24.06	0.25	24.01	24.30	Poisson	10	41%
	K74PP_IGtrap8_G_2	23	23.02	0.12	23.00	23.08	Poisson		
	K74PP_IGtrap8_G_3	27	27.03	0.16	27.00	27.13	Poisson		
Trap 9	K74PP_IGtrap9_G_1	18	18.03	0.17	18.01	18.15	Poisson	10	42%
	K74PP_IGtrap9_G_2	26	26.01	0.12	26.00	26.07	Poisson		
	K74PP_IGtrap9_G_3	28	28.02	0.15	28.00	28.11	Poisson		
Trap 10	K74PP_IGtrap10_G_1	170	170.08	0.28	170.02	170.41	Poisson	86	50%

	K74PP_IGtrap10_G_2	154	154.72	3.39	154.03	173.48	Negative Binomial		
	K74PP_IGtrap10_G_3	193	193.27	3.32	193.01	204.83	Negative Binomial		
Trap 11	K74PP_IGtrap11_G_1	147	147.86	1.16	147.13	152.75	Kemp	88	56%
	K74PP_IGtrap11_G_2	151	151.32	3.04	151.01	162.95	Negative Binomial		
	K74PP_IGtrap11_G_3	174	179.95	8.20	174.27	306.74	Negative Binomial		
Trap 12	K74PP_IGtrap12_G_1	13	13.01	0.09	13.00	13.04	Poisson	11	83%
	K74PP_IGtrap12_G_2	11	11.01	0.09	11.00	11.04	Poisson		
	K74PP_IGtrap12_G_3	16	16.07	0.29	16.01	16.40	Poisson		
Trap 13	K74PP_IGtrap13_G_1	142	142.13	0.39	142.02	142.73	Kemp	73	50%
	K74PP_IGtrap13_G_2	135	138.72	11.81	135.09	292.30	Negative Binomial		
	K74PP_IGtrap13_G_3	162	162.57	3.55	162.02	180.36	Negative Binomial		
Trap 14	K74PP_IGtrap14_G_1	49	49.17	2.03	49.01	54.80	Negative Binomial	29	59%
	K74PP_IGtrap14_G_2	51	51.53	1.19	51.06	55.95	Negative Binomial		
	K74PP_IGtrap14_G_3	48	48.02	0.15	48.00	48.11	Poisson		
Trap 15	K74PP_IGtrap15_G_2	3	3.00	0.03	3.00	3.00	Poisson	NA	NA
Trap 17	K74PP_IGtrap17_G_1	37	37.01	0.12	37.00	37.07	Poisson	11	30%
	K74PP_IGtrap17_G_2	24	24.00	0.00	24.00	NA	Poisson		
	K74PP_IGtrap17_G_3	48	48.01	0.09	48.00	48.04	Poisson		
Trap 18	K74PP_IGtrap18_G_1	118	118.13	1.80	118.00	122.38	Negative Binomial	50	48%
	K74PP_IGtrap18_G_2	110	110.03	0.18	110.01	110.17	Poisson		
	K74PP_IGtrap18_G_3	87	87.16	0.43	87.03	87.88	Poisson		
Trap 19	K74PP_IGtrap19_G_1	108	108.02	0.14	108.00	108.11	Poisson	43	44%
	K74PP_IGtrap19_G_2	84	84.01	0.11	84.00	84.07	Poisson		
	K74PP_IGtrap19_G_3	102	102.02	0.14	102.00	102.10	Poisson		
Trap 20	K74PP_IGtrap20_G_1	82	82.04	0.21	82.01	82.22	Poisson	34	44%
	K74PP_IGtrap20_G_2	81	81.07	0.26	81.01	81.35	Poisson		
	K74PP_IGtrap20_G_3	70	70.00	0.04	70.00	70.01	Poisson		
Trap 21	K74PP_IGtrap21_G_1	175	175.16	0.46	175.03	175.97	Kemp	88	60%
	K74PP_IGtrap21_G_2	125	125.16	0.41	125.03	125.85	Poisson		
	K74PP_IGtrap21_G_3	141	141.17	0.42	141.03	141.88	Poisson		
Trap 22	K74PP_IGtrap22_G_1	240	240.21	0.48	240.04	241.12	Kemp	127	57%
	K74PP_IGtrap22_G_2	212	215.55	10.70	212.09	351.22	Kemp		

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	K74PP_IGtrap22_G_3	214	222.40	12.20	214.29	454.54	Negative Binomial		
Trap 23	K74PP_IGtrap23_G_1	159	159.02	0.15	159.00	159.11	Poisson	90	57%
	K74PP_IGtrap23_G_2	151	151.45	1.07	151.05	155.08	Negative Binomial		
	K74PP_IGtrap23_G_3	162	162.09	0.30	162.02	162.44	Poisson		
Trap 24	K74PP_IGtrap24_G_1	129	129.77	2.81	129.04	145.22	Negative Binomial	81	61%
	K74PP_IGtrap24_G_2	117	117.06	0.24	117.01	117.29	Poisson		
	K74PP_IGtrap24_G_3	152	152.87	6.28	152.02	192.37	Negative Binomial		
Trap 25	K74PP_IGtrap25_G_1	183	183.08	0.28	183.02	183.40	Poisson	102	56%
	K74PP_IGtrap25_G_2	175	175.07	0.28	175.01	175.39	Poisson		
	K74PP_IGtrap25_G_3	189	189.61	4.31	189.02	212.19	Negative Binomial		
Trap 26	K74PP_IGtrap26_G_1	102	102.03	0.18	102.01	102.17	Poisson	50	63%
	K74PP_IGtrap26_G_2	84	84.52	1.15	84.06	88.70	Negative Binomial		
	K74PP_IGtrap26_G_3	51	51.02	0.16	51.00	51.13	Poisson		
Trap 27	K74PP_IGtrap27_G_1	22	22.02	0.15	22.00	22.11	Poisson	6	35%
	K74PP_IGtrap27_G_2	11	11.07	0.29	11.01	11.40	Poisson		
	K74PP_IGtrap27_G_3	18	18.00	0.03	18.00	18.01	Poisson		
Trap 28	K74PP_IGtrap28_G_1	181	181.23	0.49	181.04	182.20	Poisson	120	63%
	K74PP_IGtrap28_G_2	190	190.36	0.72	190.06	192.27	Kemp		
	K74PP_IGtrap28_G_3	196	196.09	0.32	196.02	196.50	Kemp		
Trap 29	K74PP_IGtrap29_G_1	9	9.02	0.15	9.00	9.11	Poisson	2	23%
	K74PP_IGtrap29_G_2	10	10.00	0.00	10.00	NA	Poisson		
	K74PP_IGtrap29_G_3	7	7.00	0.01	7.00	7.00	Poisson		
Trap 30	K74PP_IGtrap30_G_1	193	194.29	1.24	193.23	200.35	Kemp	110	56%
	K74PP_IGtrap30_G_3	200	200.65	0.87	200.12	203.65	Kemp		
Trap 31	K74PP_IGtrap31_G_1	262	264.78	2.39	262.35	284.01	Negative Binomial	164	77%
	K74PP_IGtrap31_G_2	197	200.11	2.50	197.40	221.39	Negative Binomial		
	K74PP_IGtrap31_G_3	182	182.13	0.38	182.02	182.70	Kemp		
Trap 32	K74PP_IGtrap32_G_1	202	202.08	0.30	202.02	202.45	Kemp	111	65%
	K74PP_IGtrap32_G_2	154	154.06	0.26	154.01	154.34	Kemp		
	K74PP_IGtrap32_G_3	154	154.90	1.21	154.13	160.19	Negative Binomial		
Trap 33	K74PP_IGtrap33_G_1	128	128.07	0.27	128.01	128.37	Poisson	69	51%

Trap 34	K74PP_IGtrap33_G_2	150	150.09	2.94	150.00	156.06	Negative Binomial	120	65%
	K74PP_IGtrap33_G_3	131	131.15	2.27	131.00	137.06	Negative Binomial		
	K74PP_IGtrap34_G_1	212	213.37	1.28	212.24	219.81	Kemp		
Trap 35	K74PP_IGtrap34_G_2	182	182.71	0.91	182.13	185.97	Kemp	74	63%
	K74PP_IGtrap34_G_3	162	165.78	2.97	162.44	194.41	Negative Binomial		
	K74PP_IGtrap35_G_1	131	131.07	0.27	131.01	131.37	Poisson		
Trap 36	K74PP_IGtrap35_G_2	106	106.04	0.21	106.01	106.22	Poisson	115	55%
	K74PP_IGtrap35_G_3	118	118.04	0.20	118.01	118.21	Poisson		
	K74PP_IGtrap36_G_1	221	229.12	6.39	221.59	333.25	Negative Binomial		
Trap 37	K74PP_IGtrap36_G_2	213	213.06	0.25	213.01	213.31	Kemp	23	47%
	K74PP_IGtrap36_G_3	192	192.50	6.52	192.01	223.38	Negative Binomial		
	K74PP_IGtrap37_G_1	53	53.01	0.10	53.00	53.05	Poisson		
Trap 38	K74PP_IGtrap37_G_2	51	51.04	0.21	51.01	51.23	Poisson	132	71%
	K74PP_IGtrap37_G_3	42	42.10	0.33	42.02	42.54	Poisson		
	K74PP_IGtrap38_G_1	190	193.24	4.15	190.23	236.45	Negative Binomial		
Trap 39	K74PP_IGtrap38_G_2	195	197.03	2.33	195.22	214.04	Kemp	144	65%
	K74PP_IGtrap38_G_3	176	182.59	5.97	176.45	271.33	Negative Binomial		
	K74PP_IGtrap39_G_1	278	281.44	2.62	278.44	304.85	Negative Binomial		
Trap 40	K74PP_IGtrap39_G_2	221	227.06	3.81	221.69	274.00	Negative Binomial	77	67%
	K74PP_IGtrap39_G_3	162	163.06	1.62	162.12	171.43	Kemp		
	K74PP_IGtrap40_G_1	124	124.83	1.05	124.14	129.04	Negative Binomial		
Trap 41	K74PP_IGtrap40_G_2	90	90.04	0.19	90.01	90.19	Kemp	53	65%
	K74PP_IGtrap40_G_3	130	130.23	0.51	130.04	131.26	Kemp		
	K74PP_IGtrap41_G_1	75	75.40	0.67	75.07	77.19	Kemp		
Trap 42	K74PP_IGtrap41_G_2	67	67.51	0.78	67.09	69.91	Kemp	165	76%
	K74PP_IGtrap41_G_3	102	102.39	0.66	102.07	104.11	Kemp		
	K74PP_IGtrap42_G_1	230	233.48	2.49	230.48	255.27	Negative Binomial		
Trap 43	K74PP_IGtrap42_G_2	185	189.89	3.18	185.62	223.89	Negative Binomial	139	63%
	K74PP_IGtrap42_G_3	233	235.04	3.07	233.16	259.87	Kemp		
	K74PP_IGtrap43_G_1	170	171.85	2.01	170.22	185.22	Negative Binomial		
	K74PP_IGtrap43_G_2	241	241.78	0.95	241.14	245.38	Kemp		
	K74PP_IGtrap43_G_3	250	254.93	4.41	250.41	308.70	Negative Binomial		

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Trap 44	K74PP_IGtrap44_G_1	75	75.55	0.95	75.08	78.81	Negative Binomial	44	58%
	K74PP_IGtrap44_G_2	69	69.07	0.28	69.01	69.40	Kemp		
	K74PP_IGtrap44_G_3	84	84.18	0.45	84.03	84.99	Kemp		
Trap 45	K74PP_IGtrap45_G_1	118	118.24	0.51	118.04	119.29	Kemp	75	62%
	K74PP_IGtrap45_G_2	100	100.31	0.60	100.06	101.73	Kemp		
	K74PP_IGtrap45_G_3	143	144.25	6.15	143.03	190.39	Negative Binomial		
Trap 46	K74PP_IGtrap46_G_1	200	201.15	1.20	200.20	206.72	Kemp	151	70%
	K74PP_IGtrap46_G_2	190	193.63	2.61	190.49	217.21	Kemp		
	K74PP_IGtrap46_G_3	261	263.58	2.02	261.38	278.37	Negative Binomial		

Table S3: Analysis of storage time effect and batch-wise comparisons of *breakaway* richness estimates for the ITS1 barcode. Cells with p-values below 0.05 are highlighted in red.

<i>breakaway</i> richness estimates			
<i>betta_random</i> with storage time fixed and batch random			
	Estimates	Standard Errors	p-values
(Intercept)	542.38	24.38	0
Storage time	-0.67	0.06	0
<i>betta_random</i> with storage time fixed			
	Estimates	Standard Errors	p-values
(Intercept)	478.56	20.53	0
Storage time	-0.52	0.05	0
<i>betta_random</i> with batch fixed			
	Estimates	Standard Errors	p-values
(Intercept) = ACT	313.21	15.56	0
Batch NSW 1	-148.21	32.68	0
Batch NSW 2	122.75	58.53	0.036
Batch QLD 1	61.19	50.69	0.227
Batch QLD 2	-61.53	71.69	0.391
Batch SA	73.90	103.42	0.475
Batch TAS	-150.22	45.34	0.001
Batch VIC 1	-160.40	71.69	0.025
Batch VIC 2	-225.95	102.05	0.027
Batch VIC 3	-37.55	71.72	0.601
Batch VIC 4	-238.78	71.69	0.001
Batch WA 1	86.73	50.69	0.087
Batch WA 2	16.98	58.53	0.772
Batch WA 3	166.37	103.33	0.107

Table S4: Analysis of storage time effect and batch-wise comparisons of *DivNet* Shannon diversity estimates for the ITS1 barcode. Cells with p-values below 0.05 are highlighted in red.

<i>DivNet</i> Shannon diversity			
<i>betta_random</i> with storage time fixed and batch random			
	Estimates	Standard Errors	p-values
(Intercept)	4.31	0.02	0
Storage time	-0.003	0.00004	0
<i>betta</i> with storage time fixed			
	Estimates	Standard Errors	p-values
(Intercept)	3.59	0.02	0
Storage time	-0.001	0.00004	0
<i>betta</i> with batch fixed			
	Estimates	Standard Errors	p-values
(Intercept) = ACT	3.51	0.02	0
Batch NSW 1	-0.69	0.02	0
Batch NSW 2	0.25	0.49	0.601
Batch QLD 1	-0.12	0.21	0.555
Batch QLD 2	-0.56	0.38	0.14
Batch SA	0.44	0.88	0.619
Batch TAS	-1.65	0.32	0
Batch VIC 1	-2.41	0.54	0
Batch VIC 2	-1.04	0.52	0.05
Batch VIC 3	-0.09	0.34	0.79
Batch VIC 4	-3.07	0.60	0
Batch WA 1	-0.04	0.18	0.84
Batch WA 2	-0.85	0.34	0.01
Batch WA 3	0.87	0.86	0.313

Table S5: Analysis of storage time effect and batch-wise comparisons of *breakaway* richness analysis for the TEF1 α barcode. Cells with p-values below 0.05 are highlighted in red.

<i>breakaway</i> richness estimates			
<i>betta_random</i> with storage time fixed and batch random			
	Estimates	Standard Errors	p-values
(Intercept)	217.19	6.89	0
Storage time	-0.36	0.02	0
<i>betta_random</i> with storage time fixed			
	Estimates	Standard Errors	p-values
(Intercept)	211.11	6.43	0
Storage time	-0.33	0.02	0
<i>betta_random</i> with batch fixed			
	Estimates	Standard Errors	p-values
(Intercept) = ACT	54.86	4.34	0
Batch NSW 1	-22.89	8.71	0.009
Batch NSW 2	36.47	16.16	0.024
Batch QLD 1	-20.11	13.99	0.151
Batch QLD 2	-26.16	19.80	0.187
Batch SA	65.67	28.10	0.019
Batch TAS	64.61	13.54	0
Batch VIC 1	52.98	19.79	0.007
Batch VIC 2	-49.69	28.59	0.082
Batch VIC 3	81.70	20.65	0
Batch VIC 4	10.64	19.79	0.591
Batch WA 1	38.86	13.99	0.005
Batch WA 2	40.85	18.78	0.03
Batch WA 3	89.38	28.07	0.001

Table S6: Analysis of storage time effect on the *DivNet* Shannon diversity estimates for the TEF1 α barcode. Cells with p-values below 0.05 are highlighted in red.

<i>DivNet</i> Shannon diversity			
<i>betta_random</i> with storage time fixed and batch random			
	Estimates	Standard Errors	p-values
(Intercept)	217.19	6.89	0
Storage time	-0.36	0.02	0
<i>betta_random</i> with storage time fixed			
	Estimates	Standard Errors	p-values
(Intercept)	211.11	6.43	0
Storage time	-0.33	0.02	0

2 Supplementary Figures

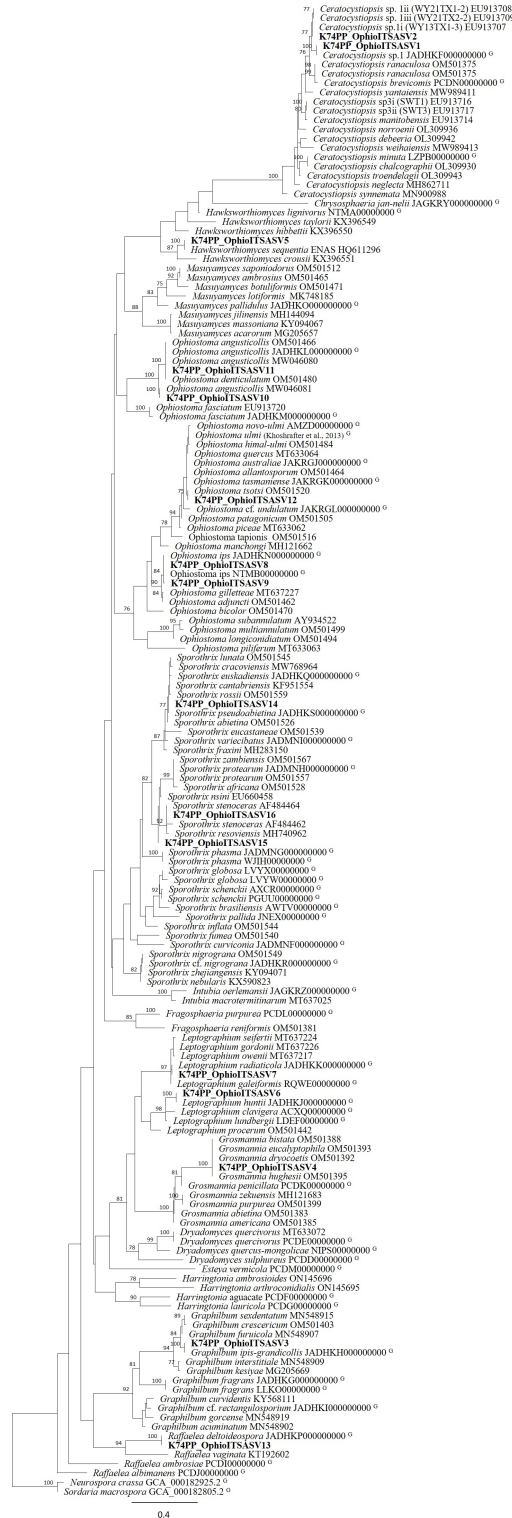


Figure S1: Phylogenetic placement of representative ITS1 ASVs recovered for the *Ophiostomatales*. Environmental sequences generated in this study are in bold print. Maximum likelihood bootstrap values $\geq 75\%$ are recorded at nodes. G = representative sequence extracted from publicly available genomes.

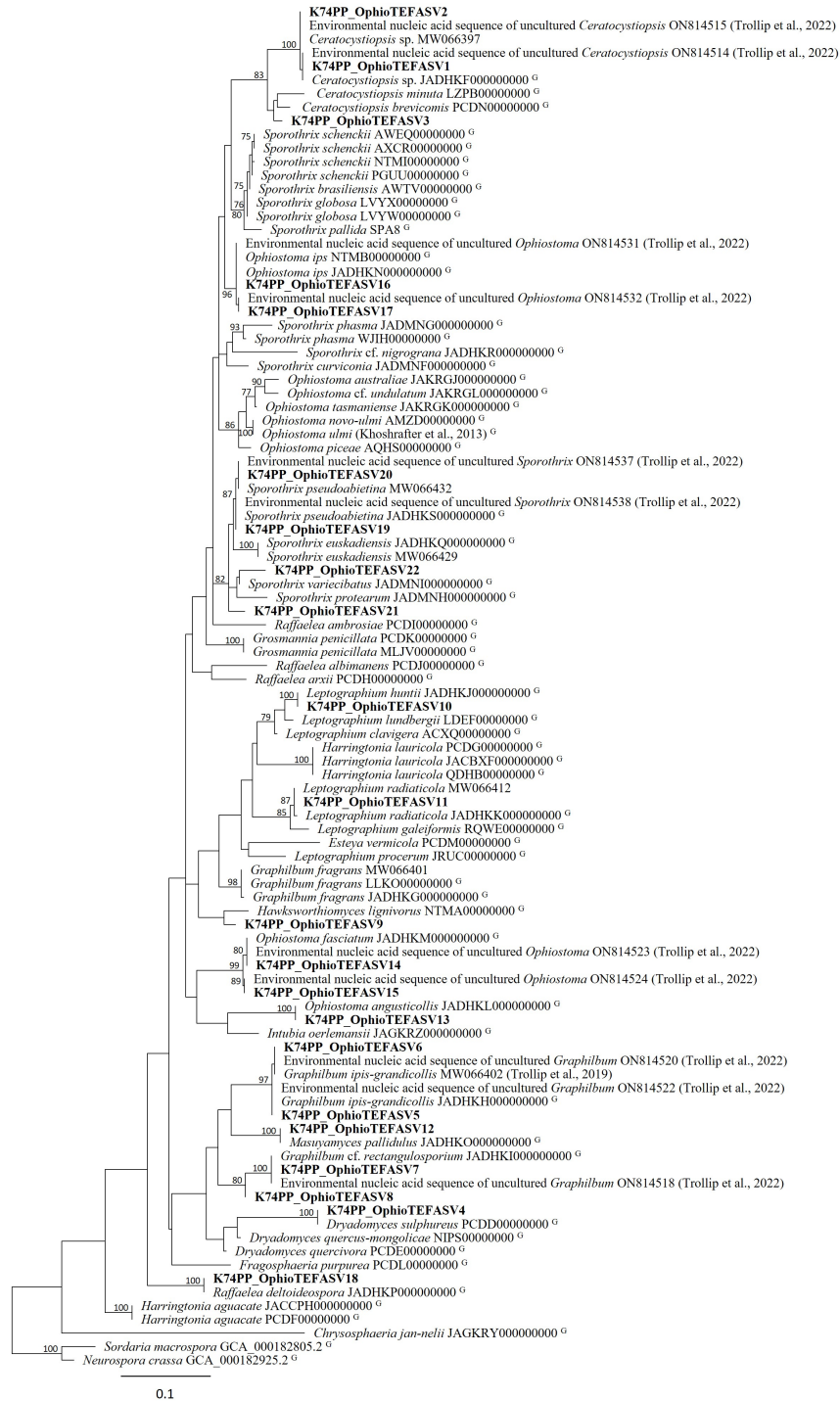


Figure S2: Phylogenetic placement of representative TEF1 α ASVs recovered for the *Ophiostomatales*. Environmental sequences generated in this study are in bold print. Maximum likelihood bootstrap values $\geq 75\%$ are recorded at nodes. G = representative sequence extracted from publicly available genomes.