

Supplementary information for Simultaneous Transcriptomic Analysis of both Host and Symbiont in Insect-Fungus Interactions

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Dataset S1: Transcript Mapping Tables

Cicada Samples

Percent				
Code	Sample	Fungus	Host	unmapped
MCIC_FC_2024_111	C1	84.43	4.38	11.19
MCIC_FD_2024_105	C2	85.84	3.59	10.56
MCIC_FD_2024_204	C3	44.21	20.88	34.91
MCIC_MD_2024_109	C4	90.67	1.79	7.55
MCIC_MD_2024_113	C5	62.42	5.76	31.82
MCIC_MD_2024_116	C6	79.13	6.64	14.23
		74.45	7.173333	18.37666667
				AVG
Count				
Code	Sample	Fungal	Host	unmapped
MCIC_FC_2024_111	C1	37151562	1925472	4924616
MCIC_FD_2024_105	C2	44359762	1856476	5458380
MCIC_FD_2024_204	C3	18330360	8659162	14474884
MCIC_MD_2024_109	C4	41748212	822292	3475530
MCIC_MD_2024_113	C5	33152434	3056724	16899070
MCIC_MD_2024_116	C6	41841948	3512658	7521752
		36097380	3305464	8792372
				AVG

Beetle Samples

Percent	Efor	Esim	Feuw	Foligo	Ralb	Rarx	Rdelt	Rspad	unmapped
Mycangia_BH1	57.87	9.59	0.23	0.21	0.09	0.03	0.17	0.21	31.61
Mycangia_BH2	54.36	9.88	0.56	0.54	0.18	0.06	0.15	0.54	33.75
Mycangia_BH3	52.49	10.41	0.39	0.35	0.19	0.05	0.16	0.35	35.61
Mycangia_BH4	65.51	11.38	0.56	0.42	0.44	0.11	0.11	0.42	21.03
Mycangia_BH5	57.63	9.93	0.38	0.26	0.25	0.09	0.16	0.26	31.04
Average	57.572	10.238	0.424	0.356	0.23	0.068	0.15	0.356	30.608

Count	Efor	Esim	Feuw	Foligo	Ralb	Rarx	Rdelt	Rspad	unmapped
Mycangia_BH1	28756146	4765238	112042	106008	44676	12540	82874	106008	15708908
Mycangia_BH2	26931626	4892608	275414	265910	88118	29254	73444	265910	16722626
Mycangia_BH3	20788132	4124200	153452	139444	74086	20396	63282	139444	14100944
Mycangia_BH4	16422188	2853516	140558	106230	110562	27760	28580	106230	5270788
Mycangia_BH5	26639192	4589886	177684	118506	116764	40732	75282	118506	14346178
Average	23907457	4245090	171830	147219.6	86841.2	26136.4	64692.4	147219.6	13229889

Dataset S2: Link to Karona Plots

C Samples:

https://cluster.hpcc.ucr.edu/~jstajich/private/Massospora/Massospora_RNASeq/results/bbsplit_mmseqs_classify/MCIC_MD_2024_113_unmapped.report.html