

ITS2 DNA Barcoding

Performed by the MR DNA lab, the purpose of this metagenomic analysis was to identify and compare fungal species present in Fish Brew Bold FLO, Fish Brew Rise & Thrive, and Fish Brew Trifecta. The top ten genera are reported below.

Fish Brew Bold FLO results included read hits in the kingdoms of fungi (126,691 hits, 77.04%) and plantae (1,921 hits, 1.17%) and in the domain eukarya (35,830 hits, 21.79%). 44 unique genera and 49 unique species were identified in total.

ITS2 DNA Barcoding (February 2022)			
	Genera Name	Relative Abundance	Unique Matches Frequency
Combined Eukarya and Fungi	<i>Tomentella</i>	23.61%	38825
	<i>Tintinnidium</i>	21.36%	35126
	<i>Paramicrosporidium</i>	20.99%	34515
	<i>Ochroconis</i>	7.50%	12341
	<i>Pachyphlodes</i>	5.03%	8267
	<i>Ulurua</i>	3.67%	6039
	<i>Cyphellophora</i>	3.30%	5419
	<i>Calongea</i>	2.95%	4847
	<i>Rhizophyidium</i>	2.14%	3511
	<i>Terfezia</i>	1.78%	2928
Fish Brew Product(s): Fish Brew Bold FLO, Rise & Thrive, Trifecta			

Fish Brew Rise & Thrive results included read hits in the kingdoms of fungi (91,670 hits, 88.96%) and plantae (6,298 hits, 6.11%), and in the domain eukarya (5,080 hits, 4.93%). 52 unique genera and 56 unique species were identified in total.

ITS2 DNA Barcoding (March 2022)			
	Genera Name	Relative Abundance	Unique Matches Frequency
Combined Eukarya and Fungi	<i>Paramicrosporidium</i>	68.59%	70679
	<i>Scapania</i>	5.80%	5972
	<i>Tintinnidium</i>	4.59%	4729
	<i>Monoblepharella</i>	3.90%	4015
	<i>Ulurua</i>	2.29%	2361
	<i>Ambispora</i>	2.26%	2324
	<i>Microallomyces</i>	1.88%	1936
	<i>Puccinia</i>	1.55%	1597
	<i>Tomentella</i>	1.54%	1586
	<i>Trichosporon</i>	1.00%	1034
Fish Brew Product(s): Rise & Thrive, Trifecta			

Fish Brew Trifecta results included read hits in the kingdoms of fungi (121,703 hits, 97.10%) and plantae (188 hits, 0.15%), and in the domain eukarya (3,453 hits, 2.75%). 55 unique genera and 60 unique species were identified in total.

ITS2 DNA Barcoding (March 2022)			
	Genera Name	Relative Abundance	Unique Matches Frequency
Combined Eukarya and Fungi	<i>Armillaria</i>	35.24%	44172
	<i>Paramicrosporidium</i>	12.76%	15988
	<i>Dactylaria</i>	10.19%	12775
	<i>Volvariella</i>	9.90%	12414
	<i>Camarophylloopsis</i>	8.71%	10920
	<i>Rhizophydium</i>	6.20%	7777
	<i>Catenomyces</i>	5.20%	6523
	<i>Tomentella</i>	2.79%	3496
	<i>Tintinnidium</i>	2.66%	3340
	<i>Cryptococcus</i>	1.32%	1657
Fish Brew Product(s): Trifecta			