

Supplementary Table 1. Metadata for PD and controls samples that yielded sufficient 18S rRNA gene amplicons for downstream analyses.

SampleID	Group	Sex (biol.)	Age (month)	Disease duration (month)	Hoehn-Yahr stage	Phenotype		Calprotectin [$\mu\text{g/g}$]	Smoker	Appendectomy	PD in the family	Constipation	L-Dopa	Entacapone	<i>Geotrichum</i> [rel. abundance]
P001	PD	f	50	112	2.5	E	-	<20	no	yes	yes	no	+	-	0.0%
P002	PD	m	78	14	2	E	-	<20	no	yes	no	no	+	-	99.5%
P003	PD	m	65	139	3	HR	-	<20	no	no	no	no	+	+	24.4%
P009	PD	m	68	69	3	T	-	<20	no	yes	no	no	-	-	99.2%
P010	PD	f	74	108	2	HR	-	<20	no	no	yes	yes	+	+	98.4%
P011	PD	f	67	168	3	HR	+	65.63	no	no	yes	yes	+	+	0.2%
P012	PD	f	78	99	4	E	+	345.33	no	no	no	no	+	-	0.3%
P013	PD	m	66	159	4	E	+	568.18	no	no	no	no	+	+	0.0%
P014	PD	m	69	147	3	E	-	<20	no	no	yes	no	+	-	0.0%
P018	PD	m	53	38	2	HR	+	371.78	no	no	no	yes	-	-	98.8%
P019	PD	m	60	84	3	HR	-	41.616	no	no	yes	no	+	+	0.0%
P021	PD	m	78	84	1	HR	-	<20	no	yes	yes	no	-	-	8.3%
P025	PD	m	75	228	3	E	-	42.09	no	yes	no	no	+	+	0.0%
P026	PD	m	69	15	2	HR	-	<20	no	no	no	no	-	-	99.9%
P027	PD	m	53	14	2	E	-	<20	no	no	no	no	-	-	94.6%
P029	PD	f	62	17	2.5	T	+	107.46	yes	yes	no	no	-	-	0.0%
P033	PD	m	62	24	2	T	-	30.7	no	no	no	yes	+	-	90.2%
P036	PD	f	77	87	2	HR	+	96.5	no	no	no	yes	+	+	0.0%
PK043	Ctrl	f	63	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK044	Ctrl	m	66	-	-	-	-	<20	yes	-	-	no	-	-	0.0%
PK045	Ctrl	f	65	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK047	Ctrl	m	67	-	-	-	+	151	no	-	-	yes	-	-	0.0%
PK048	Ctrl	f	63	-	-	-	-	<20	yes	-	-	no	-	-	0.0%
PK049	Ctrl	m	72	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK050	Ctrl	f	70	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK051	Ctrl	f	63	-	-	-	-	<20	yes	-	-	no	-	-	0.0%
PK052	Ctrl	m	59	-	-	-	-	<20	yes	-	-	no	-	-	0.0%
PK053	Ctrl	f	57	-	-	-	-	<20	no	-	-	yes	-	-	0.7%
PK054	Ctrl	m	56	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK057	Ctrl	m	76	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK058	Ctrl	m	71	-	-	-	+	27.337	no	-	-	no	-	-	0.0%
PK059	Ctrl	f	74	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK060	Ctrl	f	66	-	-	-	-	<20	no	-	-	no	-	-	0.1%
PK061	Ctrl	m	70	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK062	Ctrl	f	64	-	-	-	-	<20	no	-	-	no	-	-	0.0%
PK063	Ctrl	f	64	-	-	-	-	<20	no	-	-	no	-	-	0.0%

PD Patients with Parkinson's disease

m male

E equivalent p  notype

HR hypokinetic-rigid phenotype

T tremor dominant phenotype

Ctrl healthy control persons

f female

+

Supplementary Table 2. Mean abundances with standard error (SE) and FDR corrected p-values for all genus-rank equivalent ASVs.

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Dipodascaceae</i>	<i>Geotrichum</i>	0.05%	0.03%	39.65%	5.57%	0.0004	0.0161	*
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Charophyta</i>	NA	NA	12.24%	2.36%	3.07%	0.99%	0.0006	0.0182	*
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Aspergillaceae</i>	<i>Aspergillus</i>	1.83%	0.32%	1.62%	0.50%	0.0015	0.0303	*
<i>Opisthokonta</i>	NA	NA	NA	NA	2.97%	0.40%	0.61%	0.12%	0.0002	0.0121	*
SAR	<i>Rhizaria</i>	<i>Cercozoa</i>	<i>Cercomonadidae</i>	<i>Cercomonas</i>	0.32%	0.05%	0.09%	0.02%	0.0021	0.0363	*
SAR	<i>Stramenopiles</i>	<i>Ochrophyta</i>	<i>Chromulinales</i>	NA	0.81%	0.10%	0.08%	0.02%	0.0001	0.0121	*
SAR	<i>Rhizaria</i>	<i>Cercozoa</i>	<i>Glissomonadida</i>	<i>Heteromita</i>	0.31%	0.05%	0.07%	0.02%	0.0009	0.0218	*
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Debaryomycetaceae</i>	NA	18.96%	5.53%	14.80%	4.02%	0.2348	0.8252	
NA	NA	NA	NA	NA	34.42%	4.61%	13.38%	2.65%	0.0042	0.0635	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Sporidiobolaceae</i>	<i>Rhodotorula</i>	0.04%	0.02%	9.65%	3.28%	0.7924	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Saccharomycetaceae</i>	NA	9.88%	2.40%	6.12%	2.25%	0.0379	0.3025	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	NA	NA	3.47%	1.05%	5.57%	2.46%	0.0078	0.0891	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Aspergillaceae</i>	NA	0.81%	0.22%	2.46%	0.82%	0.1637	0.8252	
<i>Opisthokonta</i>	<i>Holozoa</i>	<i>Metazoa (Animalia)</i>	<i>Tetrapoda</i>	<i>Mammalia</i>	4.95%	1.33%	1.41%	0.38%	0.0054	0.0726	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Charophyta</i>	<i>Lamiales</i>	NA	0.41%	0.18%	0.23%	0.06%	0.9046	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Charophyta</i>	<i>Poales</i>	NA	0.45%	0.15%	0.23%	0.06%	0.2387	0.8252	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Charophyta</i>	<i>Brassicales</i>	NA	2.16%	1.50%	0.17%	0.07%	0.4531	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Malasseziaceae</i>	<i>Malassezia</i>	0.25%	0.05%	0.10%	0.02%	0.0438	0.3025	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Charophyta</i>	<i>Asparagales</i>	<i>Allium</i>	0.04%	0.02%	0.10%	0.05%	1	1	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
Archaeplastida	Chloroplastida	Charophyta	Fabales	NA	0.13%	0.07%	0.07%	0.01%	0.6941	1	
SAR	Rhizaria	Cercozoa	Spongomonadida	Spongomonas	0.08%	0.02%	0.04%	0.01%	0.2646	0.8894	
Opisthokonta	Holozoa	Metazoa (Animalia)	NA	NA	0.31%	0.07%	0.04%	0.01%	0.0081	0.0891	
Archaeplastida	Chloroplastida	Charophyta	Zingiberales	NA	0.13%	0.05%	0.04%	0.02%	0.3547	1	
Opisthokonta	Holozoa	Metazoa (Animalia)	Neoptera	Diptera	0.04%	0.01%	0.04%	0.02%	0.1956	0.8252	
Excavata	Discoba	Discicristata	Tetramitida	Naegleria	0.10%	0.02%	0.03%	0.01%	0.0935	0.5608	
Archaeplastida	Chloroplastida	Charophyta	Asparagales	NA	0.00%	0.00%	0.03%	0.01%	1	1	
Excavata	Discoba	Discicristata	Neobodonida	Rhynchomonas	0.01%	0.01%	0.02%	0.01%	0.8663	1	
Opisthokonta	Nucleotmycea	Fungi	Pleosporaceae	Alternaria	0.02%	0.01%	0.02%	0.01%	0.5928	1	
Opisthokonta	Nucleotmycea	Fungi	Mucoraceae	Mucor	0.10%	0.03%	0.02%	0.01%	0.0393	0.3025	
Opisthokonta	Nucleotmycea	Fungi	Tilletiaceae	Tilletia	0.10%	0.03%	0.02%	0.01%	0.1004	0.5608	
Opisthokonta	Nucleotmycea	Fungi	Lichtheimiaceae	Lichtheimia	0.01%	0.00%	0.02%	0.01%	1	1	
Archaeplastida	Chloroplastida	Charophyta	Poales	Oryza	0.00%	0.00%	0.02%	0.01%	1	1	
Excavata	Metamonada	Parabasalia	Trichomonadea	Dientamoeba	0.00%	0.00%	0.02%	0.01%	1	1	
SAR	Alveolata	Ciliophora	Colpodida	NA	0.07%	0.03%	0.02%	0.01%	0.2260	0.8252	
SAR	Stramenopiles	Incertae Sedis	Blastocystis	Blastocystis sp. CK92-4	0.00%	0.00%	0.02%	0.01%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Boletaceae	Boletus	0.00%	0.00%	0.02%	0.01%	1	1	
SAR	Stramenopiles	Peronosporomycetes	Phytophthora	NA	0.06%	0.02%	0.01%	0.00%	0.2755	0.9010	
Opisthokonta	Holozoa	Metazoa (Animalia)	Arachnida	Araneae	0.03%	0.01%	0.01%	0.00%	0.4021	1	
Cryptophyceae	Goniomonas	uncultured microeukaryote	uncultured microeukaryote	uncultured microeukaryote	0.00%	0.00%	0.01%	0.00%	1	1	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
Archaeplastida	Chloroplastida	Charophyta	Malvales	NA	0.13%	0.05%	0.01%	0.00%	0.0716	0.4560	
Excavata	Discoba	Discicristata	Metakinetoplastina	Neobodonida	0.00%	0.00%	0.01%	0.00%	1	1	
SAR	Rhizaria	Cercozoa	Cercomonadidae	Eocercomonas	0.09%	0.03%	0.01%	0.00%	0.0323	0.3006	
SAR	Alveolata	Apicomplexa	Cryptosporida	Cryptosporidium	0.14%	0.07%	0.01%	0.00%	0.2223	0.8252	
Archaeplastida	Chloroplastida	Chlorophyta	Microthamniales	Dictyochloropsis	0.00%	0.00%	0.01%	0.00%	1	1	
Archaeplastida	Chloroplastida	Charophyta	Magnoliales	NA	0.07%	0.04%	0.00%	0.00%	0.4855	1	
Archaeplastida	Chloroplastida	Chlorophyta	NA	NA	0.01%	0.00%	0.00%	0.00%	0.6074	1	
Opisthokonta	Holozoa	Metazoa (Animalia)	Bdelloidea	NA	0.00%	0.00%	0.00%	0.00%	1	1	
Opisthokonta	Nucleomyces	Fungi	Russulales	uncultured	0.00%	0.00%	0.00%	0.00%	1	1	
Opisthokonta	Holozoa	Choanoflagellida	Craspedida	Salpingoecidae	0.01%	0.01%	0.00%	0.00%	0.3636	1	
SAR	Stramenopiles	Ochrophyta	Chromulinales	Spumella	0.05%	0.04%	0.00%	0.00%	1	1	
Opisthokonta	Nucleomyces	Fungi	Lichtheimiaceae	Rhizomucor	0.00%	0.00%	0.00%	0.00%	1	1	
Opisthokonta	Nucleomyces	Fungi	Incertae Sedis	Acremonium	0.05%	0.04%	0.00%	0.00%	1	1	
Archaeplastida	Chloroplastida	Chlorophyta	Trebouxiophyceae	Apatococcus lobatus	0.12%	0.04%	0.00%	0.00%	0.0186	0.1876	
Archaeplastida	Chloroplastida	Chlorophyta	Trebouxiophyceae	Prototheca zopfii var. hydrocarborea	0.13%	0.06%	0.00%	0.00%	0.0412	0.3025	
Opisthokonta	Nucleomyces	Fungi	Rhizopodaceae	Rhizopus	0.13%	0.05%	0.00%	0.00%	0.0450	0.3025	
Opisthokonta	Holozoa	Metazoa (Animalia)	Arachnida	Acari	0.02%	0.01%	0.00%	0.00%	0.1045	0.5608	
SAR	Alveolata	Apicomplexa	NA	NA	0.16%	0.07%	0.00%	0.00%	0.1066	0.5608	
Opisthokonta	Nucleomyces	Fungi	Moniliellaceae	Moniliella	0.02%	0.01%	0.00%	0.00%	0.2249	0.8252	
Opisthokonta	Holozoa	NA	NA	NA	0.04%	0.02%	0.00%	0.00%	0.2267	0.8252	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
Opisthokonta	Nucleotmycea	Fungi	Filobasidiaceae	NA	0.06%	0.03%	0.00%	0.00%	0.2303	0.8252	
SAR	Stramenopiles	Ochrophyta	Ochromonadales	Ochromonas	0.07%	0.03%	0.00%	0.00%	0.2304	0.8252	
Opisthokonta	Nucleotmycea	Fungi	Microascaceae	NA	0.08%	0.04%	0.00%	0.00%	0.2328	0.8252	
Opisthokonta	Nucleotmycea	Fungi	Incertae Sedis	Paramicrosporidium	0.07%	0.03%	0.00%	0.00%	0.2338	0.8252	
SAR	Rhizaria	Cercozoa	Incertae Sedis	Gymnophrys	0.02%	0.01%	0.00%	0.00%	0.4800	1	
Excavata	Discoba	Jakobida	metagenome	metagenome	0.01%	0.01%	0.00%	0.00%	0.4813	1	
Opisthokonta	Nucleotmycea	Fungi	Pichiaceae	Pichia	0.05%	0.03%	0.00%	0.00%	0.4821	1	
Opisthokonta	Nucleotmycea	Fungi	Ophiostomataceae	NA	0.02%	0.01%	0.00%	0.00%	0.4827	1	
Opisthokonta	Nucleotmycea	Fungi	Ustilaginaceae	NA	0.01%	0.01%	0.00%	0.00%	0.4842	1	
Opisthokonta	Nucleotmycea	Fungi	Incertae Sedis	Wallemia	0.08%	0.04%	0.00%	0.00%	0.4857	1	
Opisthokonta	Nucleotmycea	Fungi	Entomophthoraceae	NA	0.03%	0.02%	0.00%	0.00%	0.4895	1	
Opisthokonta	Nucleotmycea	Fungi	Entomophthoraceae	Pandora	0.01%	0.01%	0.00%	0.00%	0.4904	1	
Opisthokonta	Holozoa	Choanoflagellida	Craspedida	uncultured	0.02%	0.01%	0.00%	0.00%	1	1	
SAR	Stramenopiles	Bicosoecida	uncultured	uncultured microeukaryote	0.00%	0.00%	0.00%	0.00%	1	1	
SAR	Stramenopiles	Incertae Sedis	Blastocystis	Blastocystis sp. subtype 3	2.05%	1.51%	0.00%	0.00%	1	1	
Incertae Sedis	Ancyromonadida	Nutomonas	Nutomonas longa	Nutomonas longa	0.00%	0.00%	0.00%	0.00%	1	1	
Excavata	Discoba	Discicristata	Tetramitia	Learamoeba	0.00%	0.00%	0.00%	0.00%	1	1	
Excavata	Discoba	Discicristata	Tetramitia	Allovahlkampfia	0.00%	0.00%	0.00%	0.00%	1	1	
SAR	Stramenopiles	Incertae Sedis	Blastocystis	Blastocystis sp. M5	0.01%	0.01%	0.00%	0.00%	1	1	
SAR	Rhizaria	Cercozoa	NA	NA	0.01%	0.01%	0.00%	0.00%	1	1	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
SAR	Alveolata	Apicomplexa	Eugregarinorida	NA	0.01%	0.01%	0.00%	0.00%	1	1	
SAR	Alveolata	Apicomplexa	Eugregarinorida	Gregarina	0.01%	0.01%	0.00%	0.00%	1	1	
SAR	Alveolata	Apicomplexa	Eugregarinorida	Leidyana	0.02%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Holozoa	Metazoa (Animalia)	Ellipura	Collembola	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Holozoa	Metazoa (Animalia)	Oligochaeta	Haplotaxida	0.01%	0.01%	0.00%	0.00%	1	1	
SAR	NA	NA	NA	NA	0.02%	0.01%	0.00%	0.00%	1	1	
SAR	Alveolata	Ciliophora	Platyophryida	Sorogena	0.06%	0.05%	0.00%	0.00%	1	1	
SAR	Alveolata	Ciliophora	Colpodida	Colpoda	0.03%	0.03%	0.00%	0.00%	1	1	
SAR	Alveolata	Ciliophora	Colpodea	Cyrtolophosidida	0.00%	0.00%	0.00%	0.00%	1	1	
SAR	Stramenopiles	Peronosporomycetes	NA	NA	0.02%	0.02%	0.00%	0.00%	1	1	
Amoebozoa	Discosea	Flabellinia	Vannellida	Vannella	0.02%	0.01%	0.00%	0.00%	1	1	
SAR	Alveolata	Dinoflagellata	NA	NA	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Powellomycetaceae	NA	0.01%	0.01%	0.00%	0.00%	1	1	
SAR	Alveolata	Apicomplexa	Neogregarinorida	NA	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	LKM15	uncultured alveolate	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Syncephalastraceae	Syncephalastrum	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Tilletiaceae	NA	0.01%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Pterulaceae	Pterula	0.01%	0.00%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Geastraceae	Sphaerobolus	0.02%	0.01%	0.00%	0.00%	1	1	
Opisthokonta	Nucleotmycea	Fungi	Mrakiaceae	NA	0.01%	0.01%	0.00%	0.00%	1	1	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Incertae Sedis</i>	NA	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Dipodascaceae</i>	<i>Yarrowia</i>	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Phaffomycetaceae</i>	<i>Cyberlindnera-Candida clade</i>	0.02%	0.02%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Saccharomycodaceae</i>	<i>Hanseniaspora</i>	0.04%	0.03%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Trigonopsidaceae</i>	<i>Trigonopsis</i>	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Apiosporaceae</i>	<i>Arthrinium</i>	0.04%	0.03%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Niessliaceae</i>	<i>Niesslia</i>	0.01%	0.00%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Bionectriaceae</i>	<i>Geosmithia</i>	0.00%	0.00%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Eremascaceae</i>	<i>Eremascus</i>	0.04%	0.03%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Arthrodermataceae</i>	NA	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Taphrinaceae</i>	<i>Taphrina</i>	0.01%	0.00%	0.00%	0.00%	1	1	
<i>Opisthokonta</i>	<i>Nucleotmycea</i>	<i>Fungi</i>	<i>Herpotrichiellaceae</i>	NA	0.02%	0.01%	0.00%	0.00%	1	1	
SAR	<i>Rhizaria</i>	<i>Cercozoa</i>	<i>Incertae Sedis</i>	<i>Kraken</i>	0.03%	0.02%	0.00%	0.00%	1	1	
SAR	<i>Rhizaria</i>	<i>Cercozoa</i>	<i>uncultured</i>	<i>uncultured eukaryote</i>	0.03%	0.02%	0.00%	0.00%	1	1	
SAR	<i>Rhizaria</i>	<i>Cercozoa</i>	<i>Cercomonadidae</i>	<i>uncultured Cercomonas</i>	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Chlorophyta</i>	<i>Chlamydomonadales</i>	NA	0.02%	0.01%	0.00%	0.00%	1	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Chlorophyta</i>	<i>Chlamydomonadales</i>	<i>Tetracystis</i>	0.00%	0.00%	0.00%	0.00%	1	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Chlorophyta</i>	<i>Chlorophyceae</i>	<i>Chlamydomonadaceae sp. Pic8/18P-5w</i>	0.01%	0.01%	0.00%	0.00%	1	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Chlorophyta</i>	<i>Chlorophyceae</i>	<i>Chlorococcales sp. VII3</i>	0.02%	0.01%	0.00%	0.00%	1	1	
<i>Archaeplastida</i>	<i>Chloroplastida</i>	<i>Chlorophyta</i>	<i>Trebouxiophyceae</i>	NA	0.02%	0.01%	0.00%	0.00%	1	1	

Phylum	Class	Order	Family	Genus	Mean _{Ctrl}	SE _{Ctrl}	Mean _{PD}	SE _{PD}	P	P _{FDR}	
Archaeplastida	Chloroplastida	Charophyta	Malpighiales	Linum	0.02%	0.02%	0.00%	0.00%	1	1	
SAR	Stramenopiles	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	1	1	