

## Assay List (March 2021)

### Available Plant Pathogens (qPCR)

Athelia rolfsii	Macrophomina phaseolina	P. intermedium
Aphanomyces euteiches	Olpidium bornovanus	P. polymastum
Bipolaris spp.	Olpidium brassicae	P. sylvaticum
Botrytis cinerea	Olpidium virulentu	P. tracheiphilum (group)
Colletotrichum spp.	Penicillium spp.	P. ultimum
C. acutatum	Phoma destructiva	Rhizoctonia solani
C. coccodes	Phytophthora spp.	Rhynchosporium orthosporum
C. gloeosporioides	P. cactorum	R. secalis
C. graminicola	P. capsici	Sclerotinia spp.
Cylindrocarpon destructans	P. cinnamomi	S. homoeocarpa
Cylindrocladium spp.	P. citricola	S. minor
Didymella spp.	P. cryptogea	S. sclerotiorum/ S. minor/ S. trifoliorum
Fusarium spp.	P. drechsleri	S. trifoliorum
F. culmorum	P. fragariae	Thielaviopsis basicola
F. oxysporum	P. infestans	Trichoderma spp.
F. solani	P. nicotianae	T. asperellum
Gaeumannomyces graminis	P. ramorum	T. hamatum
Gnomonia spp.	Plectosphaerella cucumerina	T. harzianum
Laetisaria fuciformis	Pythium spp.	Typhula spp.
Leptosphaeria spp.	P. aphanidermatum	Verticillium spp.
L. korrae	P. dissotocum	V. albo-atrum
Limonomyces roseipellis	P. graminicola	V. dahliae (1)
Magnaporthe poae	P. irregulare	V. dahliae (e.g. var longisporum) (2)
Microdochium nivale		

## Assay List (May 2021)

### Available Pathogen Assays (qPCR)

Alicyclobacillus (Alicyclobacillus spp.)	Legionella Panel	Salmonella
Blue Tongue Virus (BTV)	Legionella – all species	Salmonella (Salmonella enterica subsp. enterica)
Brettanomyces (Dekkera) bruxellensis	Listeria (Listeria monocytogenes)	Salmonella + STEC
Campylobacter + Staphylococcus	Listeria + Salmonella	SARS-CoV-2 Test
Clavibacter michiganensis subsp. Sepedonicus (Ring Rot)	Megasphaera + Pectinatus	Schistosomatidae
Coxiella Burnetii	MERS-CoV	Seasonal Influenza
Crimean-Congo hemorrhagic fever virus (CCHFV)	Neoparamoeba perurans	Shiga toxin producing Escherichia coli
Cryptosporidium (Cryptosporidium Spp.)	Norovirus + Vibrio	Shigella
Dengue Virus	Pan-Babesia (Babesia Species)	Staphylococcus aureus
Dreissena	Pan-Borrelia (Borrelia Species)	
E.coli (Escherichia coli)	Pan-Dengue Virus	Synchytrium endobioticum (Potato wart)
Edwardsiella ictaluri	Pan-Ehrlichia/Anaplasma (Ehrlichia and Anaplasma Species)	Tenacibaculum maritimum
Enterococcus faecalis	Pan-Plasmodium	Tick + Pathogen Panel
Enterococcus faecium	Pan-Rickettsia (Rickettsia Species)	Tick-borne Encephalitis Virus (TBEV)
Flavobacterium columnare	Phytophthora ramorum (Oak Death)	Yersinia enterocolitica
Flavobacterium psychrophilum	Pseudomonas aeruginosa	Mosquito-Borne Pathogen Panel: Yellow Fever Virus, Chikungunya Virus, Dengue Virus, Zika Virus, Plasmodium (Malaria)
STI Panel	Renibacterium salmoninarum	
Giardia (Giardia Spp.)	Salmonella enterica	
H1H3	Salmonella species	
H7N9	Saccharomyces	

**MORE IN DEVELOPMENT!**

## Assay List (March 2021)

### Available Soil Microbiome DNA Testing

Botrytis cinerea	P. cinnamomi	P. polymastum
Fusarium spp.	P. cryptogea	P. sylvaticum
F. oxysporum	P. drechsleri	P. ultimum
F. solani	P. fragariae	Rhizoctonia solani
Olpidium bornovanus	P. infestans	Sclerotinia spp.
O. brassicae	P. nicotianae	Thielaviopsis basicola
O. virulentus	Pythium spp.	Verticillium spp.
Phytophthora spp.	P. aphanidermatum	V. albo-atrum
P. cactorum	P. dissotocum	V. dahliae
P. capsici	P. irregulare	V. dahliae (var longisporum)

More in development!