Supplemental 1

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Parasite	Associated test
Absidia spp	Unique mycological detection by conventional method
Acanthoscellides obtectus	Unique entomological detection
Acera tosichella	Quotation
Acidovorax avenae	Unique bacteriological detection by conventional method
Acidovorax avenae citrulli	Unique bacteriological detection by qPCR
Acremonium spp	Unique mycological detection by conventional method
Acremonium strictum	Unique mycological detection by conventional method
Acroptilon repens	Detection of other parasites by conventional method
Albugo candida	Oomycete detection by conventional method
Albugo tragopogonis	Oomycete detection by conventional method
Alectra vogelii	Detection of other parasites by conventional method
Alfalfa Dwarf Virus (ADV)	Unique virological detection by PCR
Alfalfa mosaic virus (AMV)	Unique virological detection by ELISA
Allium vineale	Detection of other parasites by conventional method
Alternaria alternata	Unique mycological detection by conventional method
Alternaria brassicae	Unique mycological detection by conventional method
Alternaria brassicicola	Unique mycological detection by conventional method
Alternaria cucumerina	Unique mycological detection by conventional method
Alternaria dauci	Unique mycological detection by conventional method
Alternaria helianthi	Unique mycological detection by conventional method
Alternaria japonica	Unique mycological detection by conventional method
Alternaria spp	Unique mycological detection by conventional method
Alternaria triticina	Unique mycological detection by conventional method
Alternaria zinniae	Unique mycological detection by conventional method
Amaranthus blitoides	Detection of other parasites by conventional method
Amaranthus palmeri	Detection of other parasites by conventional method
Ambrosia artemisiifolia	Detection of other parasites by conventional method
Ambrosia maritima	Detection of other parasites by conventional method
Ambrosia psilostachya	Detection of other parasites by conventional method
Ambrosia spp	Detection of other parasites by conventional method
Ambrosia trifida	Detection of other parasites by conventional method
Anagalis arvensis	Detection of other parasites by conventional method
Anguina agrostis	Unique nematological detection on other plant material
Anguina agrostis	Unique nematological detection on seeds
Anguina balsomophila	Unique nematological detection on other plant material
Anguina balsomophila	Unique nematological detection on seeds
Anguina funesta	Unique nematological detection on other plant material
Anguina funesta	Unique nematological detection on seeds
Anguina spp	Unique nematological detection on other plant material
Anguina spp	Unique nematological detection on seeds
Anguina tritici	Unique nematological detection on seeds
Anthemis cotula	Detection of other parasites by conventional method
Apera spica-venti	Detection of other parasites by conventional method
Aphanomyces cochlioides	Oomycete detection by conventional method
Aphelenchoides besseyi	Unique nematological detection on seeds
Aphelenchoides ritzemabosi	Unique nematological detection on seeds
Aphelenchoides spp	Unique nematological detection on seeds
Arabis Mosaic Virus (AMV)	Unique virological detection by ELISA
Armillaria melea	Unique mycological detection by conventional method

Armillaria mellea	Quotation
Armillaria mellea	Unique mycological detection by qPCR
Ascochyta pisi	Unique mycological detection by conventional method
Ascochyta rabiei	Unique mycological detection by conventional method
Ascochyta sorghi	Unique mycological detection by conventional method
Ascochyta spp	Unique mycological detection by conventional method
Aspergillus flavus	Unique mycological detection by conventional method
Aspergillus niger	Unique mycological detection by conventional method
Aspergillus parasiticus	Unique mycological detection by conventional method
Aspergillus spp	Unique mycological detection by conventional method
Avena ludoviciana	Detection of other parasites by conventional method
Avena sterilis	Detection of other parasites by conventional method
Balansia oryzae-sativae	Unique mycological detection by conventional method
Barley Mild Mosaic Virus (BaMMV)	Unique virological detection by ELISA
Barley Stripe Mosaic Virus (BaSMV)	Unique virological detection by ELISA
Barley Yellow Dwarf Virus (BYDV)	Unique virological detection by ELISA
Barley Yellow Mosaic Virus (BaYMV)	Unique virological detection by ELISA
Bean Common Mosaic Virus (BCMV)	Unique virological detection by ELISA
Bean Pod Mottle Virus (BPMV)	Unique virological detection by ELISA
Bean Yellow Mosaic Virus (BYMV)	Unique virological detection by ELISA
Beet necrotic yellow vein virus (BNYVV0)	Unique virological detection by ELISA
Bell Pepper Mosaic Virus(BPeMV)	Unique virological detection by ELISA
Bipolaris maydis	Unique mycological detection by conventional method
Bipolaris sorghicola	Unique mycological detection by conventional method
Bipolaris spp	Unique mycological detection by conventional method
Bipolaris zeicola	Unique mycological detection by conventional method
Bois noir	Quotation
Botryosphaeria zeae	Unique mycological detection by conventional method
Botryotinia fuckeliana	Quantification of Botrytis cinerea on uncoated seeds
Botrytis allii	Unique mycological detection by qPCR
Botrytis cinerea	Quantification of Botrytis cinerea on uncoated seeds
Botrytis cinerea	Unique mycological detection by qPCR
Botrytis spp	Quantification of Botrytis cinerea on uncoated seeds
Botrytis spp	Unique mycological detection by conventional method
Botrytis spp	Unique mycological detection by qPCR
Broad Bean Stain Virus (BBSV)	Unique virological detection by ELISA
Bromus rigidus	Detection of other parasites by conventional method
Bromus secalinus	Detection of other parasites by conventional method
Bruchidius spp	Unique entomological detection
Bruchinae spp	Unique entomological detection
Bruchophagus roddi	Unique entomological detection
Burkholderia andropogonis	Unique bacteriological detection by qPCR
Burkholderia caryophilli	Unique bacteriological detection by qPCR
Burkholderia gladioli pv. alliicola	Unique bacteriological detection by conventional method
Cacoecimorpha pronubana	Unique entomological detection
Cacyreus marshalli	Unique entomological detection
Callosobruchus spp	Unique entomological detection
Candidatus Phytoplasma asteris (Aster yellow phytoplasma)	Unique bacteriological detection by qPCR
Candidatus Phytoplasma solani	Unique bacteriological detection by qPCR
Carnation Latent Virus (CLV)	Unique virological detection by ELISA
Caulophilus latinasus	Unique entomological detection
Cenchrus incertus	Detection of other parasites by conventional method
Cenchrus longispinus	Detection of other parasites by conventional method
Cenchrus pauciflorus	Detection of other parasites by conventional method

Centaurea diffusa	Detection of other parasites by conventional method
Centaurea maculosa	Detection of other parasites by conventional method
Centaurea repens	Detection of other parasites by conventional method
Centaurea solstitialis	Detection of other parasites by conventional method
Centrosema pubescens	Detection of other parasites by conventional method
Cephalosporium maydis	Unique mycological detection by conventional method
Cephalosporium spp	Unique mycological detection by conventional method
Ceratitis rosa	Unique entomological detection
Ceratocystis paradoxa	Unique mycological detection by conventional method
Cercospora beticola	Detection and quantification of Cercospora beticola spores
Cercospora kikuchii	Unique mycological detection by conventional method
Cercospora sojina	Unique mycological detection by conventional method
Cercospora spp	Unique mycological detection by conventional method
Cernuella virgata	Detection of other parasites by conventional method
Chaetomium spp	Unique mycological detection by conventional method
Chalara elegans	Unique mycological detection by conventional method
Chrysantemum Stem Necrosis Virus (CNSV)	Unique virological detection by ELISA
Chysantemoides monilifera	Detection of other parasites by conventional method
Cichorium pumilum	Detection of other parasites by conventional method
Cichorium spinosum	Detection of other parasites by conventional method
Circinella spp	Unique mycological detection by conventional method
Cirsium arvense	Detection of other parasites by conventional method
Cirsium vulgare	Detection of other parasites by conventional method
Cladosporium carpophilum	Unique mycological detection by conventional method
Cladosporium cucumerinum	Unique mycological detection by conventional method
Cladosporium spp	Unique mycological detection by conventional method
Clavibacter michiganensis subsp. michiganensis	Detection of Clavibacter michiganensis subsp. michiganensis sur semences
Clavibacter michiganensis subsp. michiganensis	Unique bacteriological detection by qPCR
Clavibacter michiganensis subsp. nebraskensis	Unique bacteriological detection by conventional method
Clavibacter michiganensis subsp. sepedonicus	Unique bacteriological detection by conventional method
Claviceps gigantea	Unique mycological detection by conventional method
Claviceps purpurea	Unique mycological detection by conventional method
Claviceps sorghi	Unique mycological detection by conventional method
Claviceps spp	Unique mycological detection by conventional method
Cochliobolus carbonum	Unique mycological detection by conventional method
Cochliobolus heterostrophus	Unique mycological detection by conventional method
Cochliobolus lunatus	Unique mycological detection by conventional method
Cochliobolus pallescens	Unique mycological detection by conventional method
Cochliobolus sativus	Unique mycological detection by conventional method
Cochliobolus spp	Unique mycological detection by conventional method
Cochliobolus tuberculatus	Unique mycological detection by conventional method
Cochliobolus victoriae	Unique mycological detection by conventional method
Colletotrichum coccodes	Unique mycological detection by conventional method
Colletotrichum graminicola	Unique mycological detection by conventional method
Colletotrichum lindemuthianum	Unique mycological detection by conventional method
Colletotrichum orbiculare	Unique mycological detection by conventional method
Colletotrichum spp	Unique mycological detection by conventional method
Colletotrichum truncatum	Unique mycological detection by conventional method
Columnea Latent Viroid (CLVd)	Pospiviroids (PSTVd, TCDVd, MPVd, TPMVd, CSVd, CEVd, TASVd, IrVd, CLVd, PCFVd) detection by RT-PCR
Conyza sumatrensis	Detection of other parasites by conventional method
Cordia curassavica	Detection of other parasites by conventional method
Coryneum beijerinckii	Unique mycological detection by conventional method

Cucumber Green Mottle Mosaic Virus (CGMMV)	Unique virological detection by ELISA
Cucumber Mosaic Virus (CMV)	Unique virological detection by ELISA
Cucumber Vein Yellow Virus (CVYV)	Unique virological detection by ELISA
Curtobacterium flaccumfaciens	Unique bacteriological detection by qPCR
Curtobacterium flaccumfaciens pv. flaccumfaciens	Unique bacteriological detection by conventional method
Curtobacterium flaccumfaciens pv. flaccumfaciens	Unique bacteriological detection by qPCR
Curvularia lunata	Unique mycological detection by conventional method
Curvularia spp	Unique mycological detection by conventional method
Cuscuta pentagona	Detection of other parasites by conventional method
Cuscuta spp	Detection of other parasites by conventional method
Cytospora spp	Unique mycological detection by conventional method
Diabrotica barberi	Unique entomological detection
Diabrotica speciosa	Unique entomological detection
Diabrotica undecimpunctata	Unique entomological detection
Diabrotica virgifera	Unique entomological detection
Diaporthe helianthi	Unique mycological detection by conventional method
Diaporthe phaseolorum	Detection of Phomopsis complex in Glyucine max (soybean, soya bean) seed
Diaporthe phaseolorum	Unique mycological detection by conventional method
Diaporthe spp	Unique mycological detection by conventional method
Dickeya zeae	Unique bacteriological detection by conventional method
Didymella bryoniae	Unique mycological detection by conventional method
Didymella fabae	Unique mycological detection by conventional method
Didymella lycopersici	Unique mycological detection by conventional method
Didymella pinodella	Unique mycological detection by conventional method
Didymella pinodes	Unique mycological detection by conventional method
Didymella pisi	Unique mycological detection by conventional method
Dinoderus bifoveolatus	Unique entomological detection
Dinoderus spp	Unique entomological detection
Ditylenchus africanus	Unique nematological detection on seeds
Ditylenchus destructor	Unique nematological detection on other plant material
Ditylenchus destructor	Unique nematological detection on seeds
Ditylenchus destructor Thorne	Unique nematological detection on seeds
Ditylenchus dipsaci	Unique nematological detection on other plant material
Ditylenchus dipsaci	Unique nematological detection on seeds
Ditylenchus spp	Unique nematological detection on other plant material
Ditylenchus spp	Unique nematological detection on seeds
Drechslera maydis	Unique mycological detection by conventional method
Drechslera maydis race T	Unique mycological detection by conventional method
Elsinoe phaseoli	Unique mycological detection by conventional method
Emaravirus tritici	Unique virological detection by ELISA
Ephestia kuehniella	Unique entomological detection
Epicoccum spp	Unique mycological detection by conventional method
Epitrix subcrinita	Unique entomological detection
Erwinia carotovora	Unique bacteriological detection by conventional method
Erwinia chrysantemi	Unique bacteriological detection by qPCR
Erwinia stewartii	Unique bacteriological detection by qPCR
Erwinia tracheiphila	Unique bacteriological detection by conventional method
Erysiphe corylacearum	Unique mycological detection by conventional method
Erysiphe heraclei	Unique mycological detection by conventional method
Erysiphe pisi var pisi	Unique mycological detection by conventional method
Euphorbia esula	Detection of other parasites by conventional method
Exserohilum turcicum	Unique mycological detection by conventional method
Flavescence Dorée	Quotation

Fusarium culmorum	Fungal flora (maize, sunflower, sorghum, soybean)
Fusarium culmorum	Fungal flora on other seeds
Fusarium culmorum	Unique mycological detection by conventional method
Fusarium graminearum	Unique mycological detection by conventional method
Fusarium moniliforme	Unique mycological detection by conventional method
Fusarium oxysporum	Unique mycological detection by conventional method
Fusarium oxysporum f. sp. Albedinis	Unique mycological detection by conventional method
Fusarium oxysporum f. sp. lactucae	Unique mycological detection by qPCR
Fusarium oxysporum f. sp. lycopersici	Unique mycological detection by conventional method
Fusarium oxysporum f. sp. pisi	Unique mycological detection by conventional method
Fusarium pallidoroseum	Unique mycological detection by conventional method
Fusarium poae	Unique mycological detection by conventional method
Fusarium pseudoanthophilum	Unique mycological detection by conventional method
Fusarium solani	Unique mycological detection by conventional method
Fusarium sporotrichioides	Unique mycological detection by conventional method
Fusarium spp	Unique mycological detection by conventional method
Gaeumannomyces graminis	Unique mycological detection by conventional method
Geotrichum spp	Unique mycological detection by conventional method
Gibberella avenacea	Unique mycological detection by conventional method
Gibberella fujikuroi	Unique mycological detection by conventional method
Gibberella pulicaris	Unique mycological detection by conventional method
Gibberella zeae	Unique mycological detection by conventional method
Globodera spp	Unique nematological detection on other plant material
Globodera spp	Unique nematological detection on seeds
Gloeocercospora spp	Unique mycological detection by conventional method
Gloeosporium campestre	Unique mycological detection by conventional method
Gloeosporium neofabraea	Unique mycological detection by conventional method
Gloeosporium spp	Unique mycological detection by conventional method
Gloeotinia temulenta	Unique mycological detection by conventional method
Glomerella graminicola	Unique mycological detection by conventional method
Glomerella lagenaria	Unique mycological detection by conventional method
Groundnut Ringspot Virus (GRSV)	Unique virological detection by ELISA
Helix aspersa	Detection of other parasites by conventional method
Helminthosporium carbonum	Unique mycological detection by conventional method
Helminthosporium maydis	Unique mycological detection by conventional method
Helminthosporium sativum	Unique mycological detection by conventional method
Helminthosporium solani	Unique mycological detection by conventional method
Helminthosporium spp	Unique mycological detection by conventional method
Helminthosporium turcicum	Unique mycological detection by conventional method
Heterodera avenae	Unique nematological detection on seeds
Heterodera glycines	Unique nematological detection on seeds
Heterodera humuli	Unique nematological detection on seeds
Heterodera schachtii	Unique nematological detection on seeds
Heteronychus arator	Unique entomological detection
High Plains Virus/Tenuivirus (HPV)	Unique virological detection by ELISA
Impatiens Necrotic Spot Virus (INSV)	Unique virological detection by ELISA
Ips emarginatus	Unique entomological detection
Kabatiella zeae	Unique mycological detection by conventional method
Khuskia oryzae	Unique mycological detection by conventional method
Kyuri Green Mottle Mosaic Virus (KGMMV)	Unique virological detection by ELISA
Leptinotarsa decemlineata	Unique entomological detection
Leptosphaeria helianthi	Unique mycological detection by conventional method
Leptosphaeria lindquistii	Unique mycological detection by conventional method
Leptosphaeria maculans	Unique mycological detection by conventional method

Leptospharia spp	Unique mycological detection by conventional method
Lettuce Mosaic Virus (LMV)	Unique virological detection by ELISA
Liriomyza trifolii	Unique entomological detection
Listronotus bonariensis	Unique entomological detection
Lolium rigidum	Detection of other parasites by conventional method
Lolium spp	Detection of other parasites by conventional method
Lolium temulentum	Detection of other parasites by conventional method
Longidorus elongatus	Unique nematological detection on seeds
Longidorus Filipjev	Unique nematological detection on seeds
Longidorus spp	Unique nematological detection on seeds
Macrophomina phaseolina	Unique mycological detection by conventional method
Macrophomina spp	Unique mycological detection by conventional method
Maize Chlorotic Dwarf Virus (MCDV)	Unique virological detection by ELISA
Maize Chlorotic Mottle Virus (MCMV)	Unique virological detection by ELISA
Maize Dwarf Mosaic Potyvirus (MDMV)	Unique virological detection by ELISA
Maize Dwarf Mosaic Virus (MDMV)	Unique virological detection by ELISA
Maize Stripe Virus (MStpV)	Unique virological detection by ELISA
Mayetiola destructor	Unique entomological detection
Meloidogyne spp	Unique nematological detection on seeds
Michrodochium majus	Fungal flora (maize, sunflower, sorghum, soybean)
Michrodochium majus	Fungal flora on other seeds
Michrodochium majus	Unique mycological detection by conventional method
Michrodochium nivale	Fungal flora (maize, sunflower, sorghum, soybean)
Michrodochium nivale	Fungal flora on other seeds
Michrodochium nivale	Unique mycological detection by conventional method
Monilinia spp	Unique mycological detection by conventional method
Mortierella spp	Unique mycological detection by conventional method
Mucor spp	Unique mycological detection by conventional method
Mycosphaerella pinodes	Unique mycological detection by conventional method
Mycosphaerella zeae-maydis	Unique mycological detection by conventional method
Myrothecium spp	Unique mycological detection by conventional method
Nectria spp	Unique mycological detection by conventional method
Neolasioptera helianthi	Unique entomological detection
Neotyphodium coenophialum	Unique mycological detection by qPCR
Nigrospora spp	Unique mycological detection by conventional method
Oculimacula yallundae	Unique mycological detection by conventional method
Onion Yellow Darf Virus (OYDV)	Unique virological detection by ELISA
Orobanche cumana	Detection of other parasites by conventional method
Orobanche spp	Detection of other parasites by conventional method
Ostrinia nubilalis	Unique entomological detection
Paecilomyces spp	Unique mycological detection by conventional method
Pantoea agglomerans	Unique bacteriological detection by conventional method
Pantoea ananatis	Unique bacteriological detection by conventional method
Pantoea stewartii	Unique bacteriological detection by qPCR
Pantoea stewartii susbsp stewarti	Unique bacteriological detection by qPCR
Papaver rhoeas	Detection of other parasites by conventional method
Papaya Ringspot Virus (PRSV)	Unique virological detection by ELISA
Papularia spp	Unique mycological detection by conventional method
Papulaspora spp	Unique mycological detection by conventional method
Paralipsa gularis	Unique entomological detection
Paratrichodorus pachydermus	Unique nematological detection on seeds
Paratrichodorus Siddiqi	Unique nematological detection on seeds
Paratrichodorus spp	Unique nematological detection on seeds
Pea Early-Browning Virus (PEBV)	Unique virological detection by ELISA
Pea Enation Mosaic Virus (PEMV)	Unique virological detection by ELISA

Pea Seed-Borne Mosaic Virus (PSBMV)	Unique virological detection by ELISA
Peanut Stunt Virus (PSV)	Unique virological detection by ELISA
Pelargonium zonate spot virus (PZSV)	Unique virological detection by ELISA