

Hongos fitopatógenos

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| 1 | <i>Acremonium cucurbitacearum</i> | 43 | <i>Monosporascus cannonballus</i> |
| 2 | <i>Alternaria radicina</i> | 44 | <i>Mycosphaerella africana</i> |
| 3 | <i>Alternaria spp.</i> | 45 | <i>Mycosphaerella citri (spp)</i> |
| 4 | <i>Armillaria mellea</i> | 46 | <i>Mycosphaerella nawae</i> |
| 5 | <i>Botryosphaera dothidea</i> | 47 | <i>Neofussicocum spp.</i> |
| 6 | <i>Botrytis allii</i> | 48 | <i>Olpidium bornovanus</i> |
| 7 | <i>Botrytis cinerea</i> | 49 | <i>Olpidium brassicae</i> |
| 8 | <i>Bremia lactucae</i> | 50 | <i>Penicillium spp.</i> |
| 9 | <i>Cladosporium cucumerinum</i> | 51 | <i>Peronospora destructor</i> |
| 10 | <i>Cladosporium variabile</i> | 52 | <i>Phoma tracheiphila</i> |
| 11 | <i>Colletotrichum spp. (I)</i> | 53 | <i>Phomopsis amygdali</i> |
| 12 | <i>Colletotrichum spp. (II)</i> | 54 | <i>Phytophthora spp.</i> |
| 13 | <i>Colletotrichum coccodes</i> | 55 | <i>Phytophthora cactorum</i> |
| 14 | <i>Colletotrichum dematium f. spinaciae</i> | 56 | <i>Phytophthora capsici</i> |
| 15 | <i>Colletotrichum gloeosporioides (complex)</i> | 57 | <i>Phytophthora cinnamomi</i> |
| 16 | <i>Colletotrichum acutatum (grupo)</i> | 58 | <i>Phytophthora citrophthora</i> |
| 17 | <i>Corynespora cassiicola</i> | 59 | <i>Phytophthora cryptogea</i> |
| 18 | <i>Cylindrocarpon destructans</i> | 60 | <i>Phytophthora infestans</i> |
| 19 | <i>Didymella lycopersici</i> | 61 | <i>Phytophthora inundata</i> |
| 20 | <i>Didymella bryoniae</i> | 62 | <i>Phytophthora parasítica</i> |
| 21 | <i>Erysiphe polygoni</i> | 63 | <i>Phytophthora porri</i> |
| 22 | <i>Erysiphe spp.</i> | 64 | <i>Podosphaera fuliginea</i> |
| 23 | <i>Fusarium spp.</i> | 65 | <i>Pyrenochaeta lycopersici (Raza 1)</i> |
| 24 | <i>Fusarium equiseti</i> | 66 | <i>Pyrenochaeta lycopersici (Raza 2)</i> |
| 25 | <i>Fusarium oxysporum</i> | 67 | <i>Pythium spp. (I)</i> |
| 26 | <i>Fusarium oxysporum f. sp. cepae</i> | 68 | <i>Pythium spp. (II)</i> |
| 27 | <i>Fusarium oxysporum f. sp. cucumerinum</i> | 69 | <i>Pythium aphanidermatum</i> |
| 28 | <i>Fusarium oxysporum f. sp. lycopersici</i> | 70 | <i>Pythium irregulare</i> |
| 29 | <i>Fusarium oxysporum f. sp. melonis</i> | 71 | <i>Pythium tracheiphilum</i> |
| 30 | <i>Fusarium oxysporum f. sp. radicle-cucumerinum</i> | 72 | <i>Pythium ultimum</i> |
| 31 | <i>Fusarium oxysporum f. sp. radicle-lycopersici</i> | 73 | <i>Rhizoctonia carotae</i> |
| 32 | <i>Fusarium proliferatum</i> | 74 | <i>Rhizoctonia solani</i> |
| 33 | <i>Fusarium solani</i> | 75 | <i>Rhizopus stolonifer</i> |
| 34 | <i>Fusarium verticillioides</i> | 76 | <i>Rhizopycnis vagum</i> |
| 35 | <i>Geotrichum candidum</i> | 77 | <i>Rosellinia necatrix</i> |
| 36 | <i>Helminthosporium solani</i> | 78 | <i>Sclerotinia minor</i> |
| 37 | <i>Itersonilia pastinaceae</i> | 79 | <i>Sclerotinia sclerotiorum</i> |
| 38 | <i>Leveillula spp.</i> | 80 | <i>Sclerotium cepivorum</i> |
| 39 | <i>Macrophomina phaseolina</i> | 81 | <i>Sclerotium rolfsii</i> |
| 40 | <i>Monilinia fructicola</i> | 82 | <i>Septoria apiicola</i> |
| 41 | <i>Monilinia fructigena</i> | 83 | <i>Septoria lactucae</i> |
| 42 | <i>Monilinia laxa</i> | 84 | <i>Stemphylium botryosum</i> |



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- 85 *Thielaviopsis basicola*
- 86 *Uncinula necator*
- 87 *Verticillium spp.*
- 88 *Verticillium albo-atrum*
- 89 *Verticillium dahliae*

Bacterias fitopatógenas

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| 1 <i>Acidovorax avenae</i> subsp. <i>citrulli</i> | 14 <i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i> |
| 2 <i>Agrobacterium tumefaciens</i> | 15 <i>Pseudomonas syringae</i> pv. <i>tomato</i> |
| 3 <i>Candidatus liberibacter</i> subs. <i>solanacearum</i> | 16 <i>Pseudomonas syringae</i> pv. <i>syringae</i> |
| 4 <i>Clavibacter michiganensis</i> ssp. <i>michiganensis</i> | 17 <i>Pseudoperonospora cubensis</i> |
| 5 <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> | 18 <i>Ralstonia solanacearum</i> |
| 6 <i>Erwinia amylovora</i> | 19 <i>Rhizomonas suberifaciens</i> |
| 7 <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> | 20 <i>Xanthomonas arboricola</i> pv. <i>pruni</i> |
| 8 <i>Erwinia carotovora</i> subsp. <i>carotovora</i> | 21 <i>Xanthomonas campestris</i> pv. <i>campestris</i> |
| 9 <i>Erwinia tracheiphila</i> | 22 <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> |
| 10 <i>Pseudomonas cichorii</i> | 23 <i>Xanthomonas fragariae</i> |
| 11 <i>Pseudomonas corrugata</i> | 24 <i>Xylella fastidiosa</i> - HL (basado EPPO) |
| 12 <i>Pseudomonas marginalis</i> | 25 <i>Xylella fastidiosa</i> - XF (basado EPPO) |
| 13 <i>Pseudomonas savastanoi</i> pv. <i>nerii</i> | |

Microorganismos beneficiosos

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|---|---|
| 1 <i>Azospirillum brasilense</i> | 14 <i>Trichoderma asperellum</i> |
| 2 <i>Bacillus amyloliquefaciens</i> (grupo) | 15 <i>Trichoderma harzianum</i> |
| 3 <i>Bacillus licheniformis</i> | |
| 4 <i>Bacillus paralicheniformis</i> | 16 <i>Glomus spp.</i> |
| 5 <i>Bacillus pumilus</i> (grupo) | 17 <i>Glomus intraradices/ irregulare</i> |
| 6 <i>Bacillus sonorensis</i> | 18 <i>Glomus mosseae</i> |
| 7 <i>Bacillus subtilis</i> | |
| 8 <i>Bacillus thuringiensis</i> | |
| 9 <i>Herbaspirillum seropedicae</i> | |
| 10 <i>Ochrobactrum pseudogrignonense</i> | |
| 11 <i>Pantoea agglomerans</i> | |
| 12 <i>Pantoea dispersa</i> | |
| 13 <i>Rhizobium pusense</i> (= <i>Agrobacterium pusense</i>) | |



Virus RNA

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|---|--|----|--|
| 1 | <i>Cucumber mosaic virus (CMV)*</i> | 10 | <i>Tomato brown rugose fruit virus (ToBRFV)</i> |
| 2 | <i>Pepino mosaic virus - CH2 (PepMV)</i> | 11 | <i>Tomato bushy stunt virus (TBSV)</i> |
| 3 | <i>Pepino mosaic virus - EU (PepMV)</i> | 12 | <i>Tomato chlorosis virus (ToCV)*</i> |
| 4 | <i>Pepino mosaic virus - LP (PepMV)</i> | 13 | <i>Tomato mosaic virus (ToMV)</i> |
| 5 | <i>Potato virus Y (PVY)</i> | 14 | <i>Tomato ringspot virus (ToRSV)</i> |
| 6 | <i>Squash mosaic virus (SqMV)*</i> | 15 | <i>Tomato spotted wilt virus (TSWV)</i> |
| 7 | <i>Tobacco mosaic virus (TMV)*</i> | 16 | <i>Tomato torrado virus (ToTV)*</i> |
| 8 | <i>Tomato apex necrosis virus (ToANV)*</i> | 17 | <i>Tomato infectious chlorosis virus (TICV)*</i> |
| 9 | <i>Tomato black ring virus (TBRV)</i> | | |

Virus DNA

- 1 *Tomato leaf curl New Delhi virus (ToLCNDV)*
- 2 *Tomato yellow leaf curl Sardinia virus (TYLCSV)**
- 3 *Tomato yellow leaf curl virus (TYLCV)**

* Sondas pendientes de validación

