

植物検疫病原性細菌定量解析 菌名リスト

96種類

整理番号	菌の種類名(属・種、類縁菌の群など)	検査対象の遺伝子配列注)
Plant 01	Acetobacter aceti group	16S rDNA
Plant 02	Acetobacter pasteurianus group	16S rDNA
Plant 03	Acidovorax avenae group	16S rDNA
Plant 04	Acidovorax anthurii	16S rDNA
Plant 05	Acidovorax avenae susp. Avenae	16S rDNA
Plant 06	Acidovorax avenae susp. citrulli	16S rDNA
Plant 07	Acidovorax konjaci	16S rDNA
Plant 08	Agrobacterium rubi	16S rDNA
Plant 09	Agrobacterium vitis	16S rDNA
Plant 10	Arthrobacter ilicis group	16S rDNA
Plant 11	Bacillus megaterium	16S rDNA
Plant 12	Bacillus pumilus	16S rDNA
Plant 13	Brenneria alni	16S rDNA
Plant 14	Burkholderia andropogonis	16S rDNA
Plant 15	Burkholderia cepacia 1	16S rDNA
Plant 16	Burkholderia cepacia 2	16S rDNA
Plant 17	Burkholderia gladioli-glumae-plantari	16S rDNA
Plant 18	Burkholderia mallei-pseudomallei	16S rDNA
Plant 19	Burkholderia multivorans	16S rDNA
Plant 20	Clavibacter michiganensis	16S rDNA
Plant 21	Clostridium puniceum	16S rDNA
Plant 22	Curtobacterium citreum	16S rDNA
Plant 23	Curtobacterium flaccumfaciens	16S rDNA
Plant 24	Enterobacter cancerogenus	16S rDNA
Plant 25	Enterobacter dissolvens	16S rDNA
Plant 26	Enterobacter nimipressuralis	16S rDNA
Plant 27	Enterobacter pyrinus-hormaechei group	16S rDNA
Plant 28	Eperythrozoon wenyonii	16S rDNA
Plant 29	Erwinia amylovora group	16S rDNA
Plant 30	Erwinia ananas-helbicola	16S rDNA
Plant 31	Erwinia mallotivora-billingiae	16S rDNA
Plant 32	Erwinia tracheiphila	16S rDNA
Plant 33	Leifsonia xyli subsp. xyli	16S rDNA
Plant 34	Liberobacter asiaticum	16S rDNA
Plant 35	Liberobacter sp.	16S rDNA
Plant 36	Mycoplasma yeatsii	16S rDNA
Plant 37	Nocardia vaccinii	16S rDNA
Plant 38	Pasteurella avium	16S rDNA
Plant 39	Pectobacterium betavascularum	16S rDNA
Plant 40	Pectobacterium cacticida	16S rDNA
Plant 41	Pectobacterium cacticida	16S rDNA
Plant 42	Pectobacterium carotovorum	16S rDNA
Plant 43	Pectobacterium chrysanthemi	16S rDNA
Plant 44	Pectobacterium cypripedii	16S rDNA
Plant 45	Pectobacterium wasabiae	16S rDNA
Plant 46	Phytoplasma (Peach rosette diseases)	16S rDNA
Plant 47	Phytoplasma (Alder yellows)	16S rDNA
Plant 48	phytoplasma (Peach red lea disease)	16S rDNA
Plant 49	Phytoplasma (Peach yellow disease)	ITS
Plant 50	Phytoplasma (Sugarcane grassy shoot disease)	ITS
Plant 51	Phytoplasma asteris	16S rDNA
Plant 52	Phytoplasma mali	ITS
Plant 53	Phytoplasma mali -pyri group	16S rDNA
Plant 54	Phytoplasma pyri	16S rDNA
Plant 55	Phytoplasma vitis	Ribosome
Plant 56	Phytoplasma(Apple proliferation)	ITS

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Plant 57	Phytoplasma(Canadian Peach X-disease)	ITS
Plant 58	Phytoplasma(Coconut lethal yellowing)	16S rDNA
Plant 59	Pseudomonas aeruginosa	16S rDNA
Plant 60	Pseudomonas cichorii	16S rDNA
Plant 61	Pseudomonas corrugata-viridiflava group	16S rDNA
Plant 62	Pseudomonas fluorescens	ITS
Plant 63	Pseudomonas oryzihabitans	16S rDNA
Plant 64	Pseudomonas plecoglossicida	16S rDNA
Plant 65	Pseudomonas putida1	16S rDNA
Plant 66	Pseudomonas putida2	16S rDNA
Plant 67	Pseudomonas savastanoi	16S rDNA
Plant 68	Pseudomonas syringae all pathovars	16S rDNA
Plant 69	Pseudomonas syringae all pathovars	ITS
Plant 70	Pseudomonas tremae	16S rDNA
Plant 71	Pseudomonas tremae-syringae group	16S rDNA
Plant 72	Raoultella planticola 650	16S rDNA
Plant 73	Rathayibacter iranicus	16S rDNA
Plant 74	Rathayibacter rathayi group A	16S rDNA
Plant 75	Rathayibacter toxicus	16S rDNA
Plant 76	Rathayibacter tricici-rathayi group B	16S rDNA
Plant 77	Renibacterium salmoninarum	16S rDNA
Plant 78	Rhizobium radiobacter1	16S rDNA
Plant 79	Rhizobium radiobacter2	16S rDNA
Plant 80	Rhodococcus equi	16S rDNA
Plant 81	Rhodococcus fascians	ITS
Plant 82	Shingomonas melonis	16S rDNA
Plant 83	Sphingomonas suberifaciens	16S rDNA
Plant 84	Spiroplasma citri	16S rDNA
Plant 85	Streptomyces somaliensis	16S rDNA
Plant 86	Streptomyces turgidiscabies	16S rDNA
Plant 87	Xanthomonas alfalfae	ITS
Plant 88	Xanthomonas axonopodis pv. vasculorum	ITS
Plant 89	Xanthomonas campestris-vasicola	ITS
Plant 90	Xanthomonas cucurbitae group	16S rDNA
Plant 91	Xanthomonas oryzae-Popul group	ITS
Plant 92	Xanthomonas Populi-oryzae group	16S rDNA
Plant 93	Xanthomonas translucens	16S rDNA
Plant 94	Xylella fastidiosa	ITS
Plant 95	Bacterial universal(8-500)	16S rDNA
Plant 96	Bacterial universal(16S-23S)	ITS

注)検査対象の遺伝子配列;データベース等で対象菌の分類に使用されている遺伝子の種類名です。

個別説明:

- ①rRNA(リボソームアールエヌエー);リボソーム(r)を構成するRNAの遺伝子。
rDNA(リボソームディエヌエー);rRNAに対応する、DNAの遺伝子の種類名。
(補足:リボソームを用いるのは、DNAでは分子サイズが巨大、トランスファーRNAでは小さすぎるためです)分子の大きさによって超遠心分離の沈降速度S(Svedberg)が異なることを利用し、分類されています。真核生物のrRNAでは28S、18S、5.8S、5Sの4種、原核生物のrRNAでは23S、16S、5Sの3種があります。
- ②ITS(rDNA Internal Transcribrd spacer)
rRNAとrRNA間に配列する(右図)遺伝子。変化に富み一方ほぼ全ての細菌に普遍的に存在し同定に用いられる。
- ③Ribosome リボソーム遺伝子。

