

**Supplementary Table S1. Selectivity of the designed qPCR method**

PCR methods used to verify the taxonomy of the isolates were the following: *Pectobacterium carotovorum* subsp. *carotovorum* (Pca) - [1], *Pectobacterium atrosepticum* (Pat) - [2], *Pectobacterium brasiliense* (Pbr) - [3], *Pectobacterium parmentieri* (former *P.wasabiae*) - [4], *Dickeya solani* (Dso) –[5], *Dickeya dianthicola* (Ddi) - [6]. These methods do not discriminate between *P.carotovorum* (Pca) and *P. versatile* (Pve) [7], and between *P.wasabiae* (Pwa) and *P. parmentieri* (Ppa). Therefore, the isolates characterized by PCR only are regarded as double designation.

No	Strain designation	Alternative strain designation	Geographical region	Species	Genus/species determination	Assay	Cq
1	F127	B5	Kaluga	Ppa	16S, PCR, MLST	positive	20.01
2	F148	PB20	Moscow	Ppa	NZ_PDDJ00000000.1	positive	21.34
3	F149	PB21	Moscow	Ppa	16S, PCR	positive	19.81
4	F174	536 / I3	Moscow	Ppa	PCR	Positive	22.31
5	F177			Ppa		Positive	20.99
6	F034	B9	Kaluga	Ppa	16S, PCR	positive	18.10
7	F035	B7	Kaluga	Pwa/Ppa	PCR	positive	21.56
8	F178			Ppa/Pwa		negative	-
-9	F007	2892	VKPM	Pwa	16S, PCR, MLST	negative	-
10	F164	PB31	Moscow	Paq	NZ_PJJA00000000.1	negative	-
11	F004	PB72	Moscow	Pat	NZ_PDDK00000000.1	negative	-
12	F041		Moscow	Pat	16S, PCR, MLST	negative	-
13	F048	14	Moscow	Pat	16S, PCR, MLST	negative	-
14	F162	SCRI1043	Scotland	Pat	NC_004547	negative	-
15	F163	21A	Belarus	Pat	NZ_CP009125	negative	-
16	F126		Samara	Pbr	NZ_RRYQ00000000.1	negative	-
17	F128		Samara	Pbr	16S, PCR	negative	-

18	F152	PB29	Moscow	Pbr		negative	-
19	F157	PB38	Moscow	Pbr	NZ_PJDL00000000.1	negative	-
20	F053	B6	Unknown	Pca	16S, PCR	negative	-
21	F118	522 / G2	Moscow	Pca	16S, PCR	negative	-
22	F160	NCPFB312	Denmark	Pca	NZ_JQHJ00000000.1	negative	-
23	F057			Pca		negative	-
24	F110			Pca		negative	-
25	F015	D6	Moscow	Pca/Pve	PCR	negative	-
26	F017	246 / I7	Moscow	Pca/Pve	PCR	negative	-
27	F022	2.4 / F1	Tomsk	Pca/Pve	PCR	negative	-
28	F024	A7	Lithuania	Pca/Pve	PCR	negative	-
29	F025	B9	Moscow	Pca/Pve	PCR	negative	-
30	F027	D1	Moscow	Pca/Pve	PCR	negative	-
31	F047	10b	Moscow	Pca/Pve	PCR	negative	-
32	F050	10a	Moscow	Pca/Pve	PCR	negative	-
33	F061	35 / F8	Ethiopia	Pca/Pve	PCR	negative	-
34	F062	246 / I8	Moscow	Pca/Pve	PCR	negative	-
35	F063	D3	Unknown	Pca/Pve	PCR	negative	-
36	F064	520 / F6	Moscow	Pca/Pve	PCR	negative	-
37	F073	5	Unknown	Pca/Pve	PCR	negative	-
38	F077	B6	Ethiopia	Pca/Pve	PCR	negative	-
39	F092	E2	Moscow	Pca/Pve	PCR	negative	-
40	F099	518 / E8	Moscow	Pca/Pve	PCR	negative	-

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41	F111	301 / I8	Moscow	Pca/Pve	PCR	negative	-
42	F121	C8	Moscow	Pca/Pve	PCR	negative	-
43	F124	2019.14	Tver	Pca/Pve	PCR	negative	-
44	F133	C1	Tyumen	Pca/Pve	PCR	negative	-
45	F136		Bryansk	Pca/Pve	PCR	negative	-
46	F051			Pca/Pve	PCR	negative	-
47	F067			Pca/Pve	PCR	negative	-
48	F108			Pca/Pve	PCR	negative	-
49	F002	PB69	Moscow	Pve	NZ_PDVY00000000.1	negative	-
50	F003	PB70	Moscow	Pve	NZ_PDVZ00000000.1	negative	-
51	F016		Ryazan	Pve	NZ_RRYR00000000.1	negative	-
52	F018		Moscow	Pve	NZ_PDVV00000000.1	negative	-
53	F020	523 / I6	Moscow	Pve	16S, PCR	negative	-
54	F021	526 / I4	Moscow	Pve	16S, PCR	negative	-
55	F040	524 / H4	Moscow	Pve	16S, PCR	negative	-
56	F131	12a	VIZR	Pve	NZ_PD VW00000000.1	negative	-
57	F135	2.1 / F5	Moscow	Pve	NZ_PD V X00000000.1	negative	-
58	F109	35 / E6	Ethiopia	Ppo	NZ_RRYS00000000.1	negative	-
59	F171	2019.19-4	Moscow	Ppo	16S, MLST	negative	-
60	F014	B1	Tula	Ddi	PCR	negative	-
61	F056	A4	Moscow	Ddi	PCR	negative	-
62	F071	C3	Moscow	Ddi	PCR	?	-
63	F072	B6	Moscow	Ddi	PCR	negative	-

64	F090	18b	Kaluga	Ddi	16S, MLST	negative	-
65	F097	1913 / H9	Moscow	Ddi	PCR	negative	-
66	F117	C9	Bryansk	Ddi	PCR	negative	-
67	F119	F8	Moscow	Ddi	PCR	negative	-
68	F120	C7	Samara	Ddi	PCR	negative	-
69	F032			Ddi		negative	-
70	F101			Ddi	PCR	negative	-
71	F116			Ddi		negative	-
72	F012	Dfil	Voronezh	Dso	NZ_PGOJ00000.1	negative	-
73	F043			Dso	PCR	negative	-
74	F102			Dso	PCR	negative	-
75	F155			Dso	PCR	negative	-
76	F082	H4	Moscow	Dickeya sp.	16S, PCR	negative	-
77	F096	F9	Samara	Dickeya sp.	16S, PCR	negative	-
78	F019	I9	Moscow	Advenella sp.	16S	negative	-
79	F023	A1	Moscow	Advenella sp.	16S	negative	-
80	F113		Unknown	Agrobacterium tumefaciens	16S	negative	-
81	F009	2220	Moscow	Clavibacter michiganensis	16S	negative	-
82	F010	2222	Unknown	Clavibacter michiganensis	16S	negative	-
83	F091		Lithuania	Curtobacterium flaccumfaciens	16S	negative	-

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84	F094		Ethiopia	<i>Curtobacterium</i> sp.	16S	negative	-
85	F033	245/G8	Moscow	<i>Morganella</i> sp.	16S	negative	-
86	F074		Unknown	<i>Morganella</i> sp.	16S	negative	-
87	F039	A8	Lithuania	<i>Pseudomonas</i> sp.	16S	negative	-
88	F052		Moscow	<i>Pseudomonas</i> sp.	16S	negative	-
89	F054	E4	Moscow	<i>Pseudomonas</i> sp.	16S	negative	-
90	F080	C7	Unknown	<i>Pseudomonas</i> sp.	16S	negative	-
91	F093		Lithuania	<i>Pseudomonas</i> sp.	16S	negative	-
92	F114		Unknown	<i>Pseudomonas</i> sp.	16S	negative	-
93	F115	1861a	Belgorod	<i>Pseudomonas</i> sp.	16S	negative	-
94	F123		Moscow	<i>Pseudomonas</i> sp.	16S	negative	-
95	F125		Unknown	<i>Pseudomonas</i> sp.	16S	negative	-
96	F065	442 / H8	Moscow	<i>Serratia</i> sp.	16S	negative	-
97	F059	2354	Unknown	<i>Stenotrophomonas</i> maltophilia	16S	negative	-
98	F036		Unknown	<i>Stenotrophomonas</i> sp.	16S	negative	-
99	F037	20/I3	Moscow	<i>Stenotrophomonas</i> sp.	16S	negative	-
100	F038	1808v	Novgorod	<i>Stenotrophomonas</i> sp.	16S	negative	-
101	F045	A3	Krasnodar	<i>Stenotrophomonas</i> sp.	16S	negative	-
102	F055		Moscow	<i>Stenotrophomonas</i> sp.	16S	negative	-
103	F060		Ethiopia	<i>Stenotrophomonas</i> sp.	16S	negative	-

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104	F066		Samara	Stenotrophomonas sp.	16S	negative	-
105	F079	1860b	Voronezh	Stenotrophomonas sp.	16S	negative	-
106	F013	DD	Moscow	Xanthomonas sp.	16S	negative	-
107	F028		Moscow	Xanthomonas sp.	16S	negative	-
108	F030		Moscow	Xanthomonas sp.	16S	negative	-
109	F076	C3	Moscow	Xanthomonas sp.	16S	negative	-

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