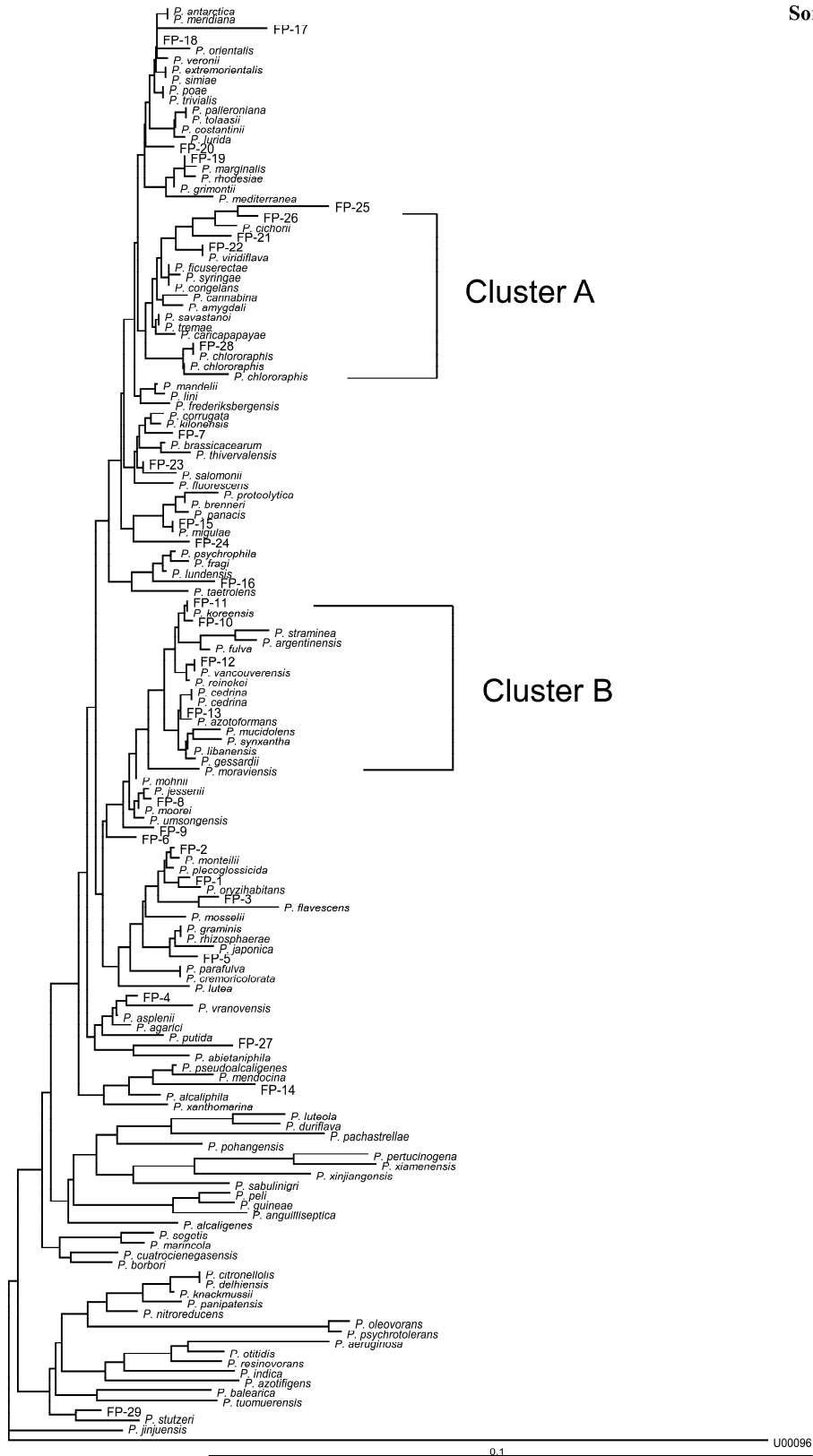


1 **Figure S1 legends**

2

3 **Fig. S1.** Phylogenetic tree of 16S rRNA genes based on the representative sequences of
4 operational taxonomic units (OTUs) for potato-associated fluorescent pseudomonads
5 (FPs). The tree was constructed using the neighbor-joining method. The scale represents
6 0.1 substitutions per site. The numbers at the nodes are the proportions of 1,000
7 bootstrap resamplings, and values of <500 are not shown.

8



1 Fig. S1.

U00096

Table S1. Distribution of relative abundance of isolates for OTUs defined at 99% identity for potato-associated fluorescent pseudomonad

OTUs	Libraries																												Closest known species	Acc. No.	Identity (%)
	Tissues		Sites ^a							Varieties ^b																					
	Leaf	Root	FUK	HOK	IBA	KAG	KAN	NAG	BEN	DAN	DEJ	HAN	HOK	INK	KTA	KTH	KOG	KON	LOC	MAY	NIS	NOR	SAS	SAY	SNO	TOY	WAS				
FP-1	2.3**	3.6	0.0	5.7	4.3	0.0	31.8	29.2	31.8	1.5	0.0	0.0	40.0	4.3	0.0	20.0	0.0	6.3	4.1	3.1	8.5	0.0	40.0	0.0	11.8	15.4	13.5	<i>P. putida</i>	EF204247	100	
FP-2	0.0	2.6**	20.0	0.0	0.9	5.2	0.0	6.3	0.0	1.5	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. putida</i>	HQ166061	100	
FP-3	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. fulva</i>	EU594555	99	
FP-4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. putida</i>	FJ010624	100	
FP-5	0.7	1.4	0.0	0.9	2.6	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	6.3	1.2	0.0	0.0	0.0	0.0	3.8	0.0	<i>P. putida</i>	EF204244	100	
FP-6	1.1	4.0*	6.7	2.8	4.3	3.4	0.0	0.0	0.0	1.5	6.7	0.0	0.0	8.7	0.0	0.0	7.4	18.8	1.8	12.5	2.4	0.0	0.0	0.0	5.9	0.0	2.7	<i>P. fluorescens</i>	AM293678	99	
FP-7	0.0	1.8*	6.7	1.3	0.9	0.0	0.0	2.1	0.0	1.5	6.7	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. putida</i>	FN313522	100	
FP-8	0.0	1.4*	0.0	0.4	2.6	0.9	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	3.7	0.0	0.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	2.7	<i>P. putida</i>	AY973267	100	
FP-9	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	<i>P. putida</i>	D85995	99	
FP-10	7.2	8.8**	20.0	8.9	25.9	24.1	13.6	18.8	13.6	29.4	20.0	0.0	0.0	17.4	0.0	0.0	3.7	6.3	10.1	18.8	22.6	0.0	0.0	11.9	11.8	0.0	27.0	<i>P. fluorescens</i>	HQ166099	100	
FP-11	13.0	13.6	6.7	15.0	10.3	7.8	22.7	16.7	22.7	17.6	6.7	23.5	20.0	43.5	0.2	0.0	0.0	18.8	11.0	9.4	10.4	4.8	0.0	19.0	11.8	26.9	8.1	<i>P. putida</i>	EF204240	100	
FP-12	0.0	7.8**	0.0	3.5	12.9	5.2	0.0	4.2	0.0	13.2	0.0	0.0	0.0	0.0	0.2	0.0	18.5	0.0	2.8	0.0	4.9	0.0	0.0	11.9	0.0	0.0	10.8	<i>P. putida</i>	DQ232745	100	
FP-13	5.4	4.2	0.0	4.8	6.0	4.3	9.1	0.0	9.1	10.3	0.0	0.0	30.0	0.0	0.0	0.0	3.7	6.3	5.5	9.4	3.0	0.0	0.0	5.9	3.8	0.0	0.0	<i>P. synxantha</i>	EF204250	100	
FP-14	0.0	0.4	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. gessardii</i>	AY972280	97	
FP-15	0.0	0.6	0.0	0.2	0.9	0.0	0.0	2.1	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. migulae</i>	HQ202819	99
FP-16	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	<i>P. fragi</i>	GU549487	99	
FP-17	1.8*	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. marginalis</i>	GQ845121	98
FP-18	12.8**	10.0	0.0	18.5	12.9	11.2	0.0	0.0	0.0	8.8	0.0	47.1	10.0	8.7	0.2	60.0	0.0	6.3	21.6	12.5	7.9	4.8	0.0	14.3	23.5	26.9	21.6	<i>P. marginalis</i>	GQ845121	99	
FP-19	4.3*	1.4	0.0	1.5	0.0	10.3	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.3	0.0	0.0	0.0	18.8	0.9	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. marginalis</i>	AY071916	100
FP-20	0.0	4.8**	33.3	8.3	11.2	12.9	0.0	6.3	0.0	11.8	33.3	0.0	0.0	0.0	0.0	0.0	0.0	14.7	6.3	11.0	9.5	0.0	0.0	23.5	0.0	8.1	0.0	<i>P. frederiksbergensis</i>	FJ796428	100	
FP-21	0.4	0.2	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. viridiflava</i>	Z76671	98
FP-22	4.9**	0.6	0.0	6.3	0.9	11.2	4.5	0.0	4.5	0.0	0.0	0.0	0.0	8.7	0.0	0.0	11.1	0.0	5.0	0.0	7.9	38.1	0.0	14.3	0.0	0.0	0.0	0.0	<i>P. viridiflava</i>	Z76671	100
FP-23	0.0	9.4**	0.0	9.2	1.7	0.0	13.6	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	18.8	13.3	3.1	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	<i>P. mandelii</i>	DQ377771	99
FP-24	0.0	1.6*	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. putida</i>	EF413074	98
FP-25	8.7**	0.0	0.0	4.8	0.9	0.0	4.5	0.0	4.5	0.0	0.0	11.8	0.0	0.0	0.0	20.0	0.0	0.0	2.3	12.5	0.0	0.0	60.0	0.0	5.9	23.1	2.7	0.0	<i>P. cichorii</i>	Z76658	97
FP-26	6.9**	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	0.0	3.7	0.0	3.2	3.1	0.0	9.5	0.0	11.9	0.0	0.0	0.0	0.0	<i>P. cichorii</i>	Z76658	98
FP-27	0.0	0.2	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	<i>P. fluorescens</i>	AY947533	100
FP-28	0.0	0.4	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. chlororaphis</i>	HM241942	100
FP-29	0.0	0.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<i>P. montelii</i>	EF600892	100
No. ^c	276	500	15	459	116	116	22	48	22	68	15	17	10	23	11	5	27	16	218	32	164	21	5	42	17	26	37				

^aSampling sites are abbreviated as following; FUK, Fukuoka; HOK, Hokkaido; IBA, Ibaraki; KAG, Kagoshima; KAN, Kanagawa; NAG, Nagasaki.^bVarieties are abbreviated as follows; BEN, Beniazuma; DAN, Danshaku; DEJ, Dejima; HAN, Hanashibetsu; HOK, Hokkaikogane; INK, Inkanohitomi; KTA, Kitaakari; KTH, Kitahime; KOG, Koganemaru; KON, Konafubuki; LOC, Local lines; MAY, Mayqueen; NIS, Nishiyutaka; NOR, Norin No. 1; SAS, Sashii; SAY, Sayaakane; SNO, Snowden; TOY, Toyoshiro; WAS, Waseshiro.^cNumbers of isolates analyzed for each column.