

Table S1. Sequence information on the amplification products of primers specific for *Pectobacterium brasiliensis*

Strain No.	Species	Isolate code	Sequences(5'-3')
1	<i>Pectobacterium brasiliense</i>	SX 309	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
2	<i>Pectobacterium brasiliense</i>	B6	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
3	<i>Pectobacterium brasiliense</i>	KC08	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
4	<i>Pectobacterium brasiliense</i>	WBC 12	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
5	<i>Pectobacterium brasiliense</i>	WQC 3	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
6	<i>Pectobacterium brasiliense</i>	Y2	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
7	<i>Pectobacterium brasiliense</i>	WYC 1	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
8	<i>Pectobacterium brasiliense</i>	HG150 129030 1	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
9	<i>Pectobacterium brasiliense</i>	HG150 129030 2	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT

10	<i>Pectobacterium brasiliense</i>	HG150 129030 3	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
11	<i>Pectobacterium brasiliense</i>	HG150 129030 4	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
12	<i>Pectobacterium brasiliense</i>	HG150 129030 5	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
13	<i>Pectobacterium brasiliense</i>	HG150 129030 6	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
14	<i>Pectobacterium brasiliense</i>	HG150 129030 7	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT
15	<i>Pectobacterium brasiliense</i>	HG150 129030 8	GCGTGCCGGGTTTATGACCTGGTGCGGATTTTTCGTGTCCCCATCGTCTAGAGGCCTAGGACACTGCCCTTTCA CGGCTGTAACAGGGGTTTCAATCCCCTTGGGGACGCCAATCCGATAATGAGTGAAAGACATTATCATT

Table S2. The impact of soaking *Pbr* seeds in warm broth on mortality

Treatment time (min)	Mortality rates of <i>P. brasiliense</i> in different temperature treatments (%) ^a		
	50	55	60
10	78.2±4.9a	89.6±3.8a	97.3±1.1a
30	89.6±4.2b	95.0±2.0b	100b
60	97.3±5.6c	100c	100b

^a This result was determined by plate counting. Note: The data are presented as the averages ± SEs.

Table S3. Dynamic lesions and number of viable cells of *Pbr* in cucumber and potato leaves from 0 to 48 hours after infection with bacterial soft rot.

Plant leaves	The number of viable cells of <i>Pbr</i> in different time (10 ⁴ CFU/g) ^a				
	0h	12h	24h	36h	48h
Potato	3.2±0.1a	21.6±2.2b	73.4±2.4c	168.4±7.1d	421.5±5.4e
Cucumber	0.9±0.1a	6.7±1.3b	21.3±4.1c	98.3±4.8d	165.2±7.2e

^a This result was determined by plate counting. Note: The data are presented as the averages ± SEs.