

**Table SI-1** Near neighbor isolates, their relationship to SPADA panels and inclusion in software databases to the genus and species level.

Species	Strain	SPADA Panel	Bruker IVD	Bruker IVD Unclaimed	Bruker RUO	Bruker SR	Vitek IVD	Vitek IVD Unclaimed	Vitek RUO
<i>Bacillus cereus</i>	ATCC 5416	x		x	x			g	x
<i>Bacillus mycoides</i>	ATCC 6462	x			x			g	x
<i>Bacillus megaterium</i>	ATCC 14581	x		x	x			x	x
<i>Bacillus subtilis</i>	ATCC 6051T	x			x			g	x
<i>Bacillus thuringiensis</i>	ATCC 33679			x	x			g	x
<i>Bacillus circulans</i>	ATCC 5416			x	x				x
<i>Francisella philomiragia</i>	ATCC 25015	x		x	x				x
<i>Francisella philomiragia</i>	ATCC 25016	x		x	x				x
<i>Francisella philomiragia</i>	ATCC 25017	x		x	x				x
<i>Francisella novicida</i>	NR-574, U112	x							
<i>Francisella novicida</i>	NR-575								
<i>Haemophilus influenzae</i>	ATCC 10211		x		x		x		x
<i>Yersinia ruckeri</i>	YERS063	x		x	x			x	x
<i>Yersinia pseudotuberculosis</i>	YPIII	x	x		x		x		x
<i>Yersinia pseudotuberculosis</i>	Pa3606	x	x		x		x		x
<i>Yersinia pseudotuberculosis</i>	IB	x	x		x		x		x
<i>Yersinia enterocolitica</i>	WA	x	x		x		x		x
<i>Yersinia enterocolitica</i>	2516-87	x	x		x		x		x

<i>Clostridium perfringens</i>	ATCC 13124		x		x		x		x
<i>Clostridium difficile</i>	ATCC 9689		x		x		x		x
<i>Clostridium septicum</i>	ATCC 9714			x	x			x	x
<i>Clostridium sordellii</i>	ATCC 9715			x	x			x	x
<i>Clostridium innocuum</i>	ATCC 14501			x	x				y
<i>Clostridium butyricum</i>	ATCC 19398			x	x			x	x
<i>Brucella neotomae</i>	ATCC 23459								x
<i>Brucella ovis</i>	NVSL								x
<i>Brucella pinnipedialis</i>	NVSL								y
<i>Brucella ceti</i>	NVSL								y
<i>Oligella ureolytica</i>	ATCC 43535		x		x		x		x
<i>Ochrobactrum anthropi</i>	ATCC 49188			x	x		x		x
<i>Burkholderia thailandensis</i>	ATCC 700388	x		x	x				x
<i>Burkholderia cepacia</i>	ATCC 25416		x		x			x	x
<i>Burkholderia cenocepacia</i>	ATCC BAA-245		x		x		x		x
<i>Burkholderia multivorans</i>	BAA-247		x		x				x
<i>Stenotrophomonas maltophilia</i>	ATCC 13637		x		x		x		x

x: included in panel or software library; y: included in software library to genus level only; g: reported as an organism group