

SHPS036	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.05	0.59	0.99
SHPS038	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.44	0.75	0.99
SHPS039	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.48	0.13	0.99
SHPS042	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.48	0.76	1.00
SHPS044	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.48	0.25	0.99
SHPS045	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.26	0.73	0.99
SHPS056	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.7	-	0.99
SHPS057	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	0.64	0.73	0.99

-, not determined.

Supplementary Table 3. Pathogenicity assay of the selected *Pss* isolates from infected apple trees using plate assay

Isolates	Identification	Disease severity (%) ^a
WSPS004	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS007	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+++
WSPS008	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS009	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS010	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+++
WSPS011	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS015	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS016	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS019	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS020	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS023	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS025	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS026	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS028	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS029	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS030	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS031	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS032	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS034	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS035	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS036	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS037	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS038	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS039	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS040	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS041	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS042	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS043	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
WSPS044	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS046	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS047	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+

WSPS048	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
WSPS050	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS005	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS007	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS008	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS013	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS014	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS016	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS021	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS022	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS025	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS036	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS038	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS039	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	++
SHPS042	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS044	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS045	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS056	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+
SHPS057	<i>Pseudomonas syringae</i> pv. <i>syringae</i>	+

Pathogenicity of *Pseudomonas syringae* pv. *syringae* isolates on detached leaves of apple. To assess the pathogenicity of 50 *Pseudomonas syringae* pv. *syringae* (*Pss*) isolates on apple leaves, fresh and healthy apple leaves were detached from the plant. Leaves were wounded with a sterile needle, and all the wounded leaves were inoculated with 20 µl of *Pss* bacterial suspensions (10⁶ cfu/ml). The leaves inoculated with SDW served as a control. Thus inoculated leaves were placed in a square plate (40 40 cm) containing moist paper to maintain the humidity. The disease severity (%) was recorded one week after incubating the square plates at 24 2°C based on the disease ratings. The pathogenicity of each isolate was evaluated. The experiment was performed at least two times with ten replicates (leaves) per treatment. Based on the *in vitro* pathogenicity test, and detection of syringomycin and syringopeptin assay, only one isolate (WSPS007) was selected as a representative isolate for further studies. ^a+, 10-25% disease severity; ++, 26-75% disease severity; +++, 76-100% disease severity. The experiment was repeated at least once with ten replicates.