

TABLE 4. Real-time PCR results for symptomatic plant samples collected from the field in California and processed by the California Department of Food and Agriculture to determine which *Phytophthora* spp. were present.

Host species	Pathogen identification ^a	Real-time PCR result ^b (Ct value)	
		<i>P. ramorum</i>	<i>P. pseudosyringae</i>
<i>Acer macrophyllum</i> (6 samples)	none detected	>60 ^c	>60
<i>Aesculus californica</i> (3 samples)	none detected	>60	>60
<i>Arbutus menziesii</i> (2 samples)	none detected	>60	>60
<i>Heteromeles arbutifolia</i> (2 samples)	none detected	>60	>60
<i>Pseudotsuga menziesii</i>	none detected	>60	>60
<i>Rhamnus californica</i>	<i>Phytophthora</i> sp.	>60	>60
<i>Rhododendron</i> sp.	<i>P. ramorum</i>	34	>60
<i>Rhododendron</i> sp.	<i>P. pseudosyringae</i>	>60	30
<i>Rhododendron</i> sp.	<i>Phytophthora</i> sp.	>60	>60
<i>Rhododendron</i> sp.	<i>Phytophthora</i> sp.	>60	>60
<i>Rhododendron</i> sp. (2 samples)	<i>P. syringae</i>	>60	>60
<i>Rhododendron</i> sp. (2 samples)	none detected	>60	>60
<i>Salal</i> sp.	none detected	>60	>60
<i>Sambucus</i> sp.	none detected	>60	>60
<i>Sequoia sempervirens</i> (2 samples)	none detected	>60	>60
<i>Umbellularia californica</i> (8 samples)	<i>P. nemorosa</i>	>60	>60
<i>Umbellularia californica</i>	<i>P. pseudosyringae</i>	>60	30
<i>Umbellularia californica</i>	<i>P. pseudosyringae</i>	>60	34
<i>Umbellularia californica</i>	<i>P. pseudosyringae</i>	>60	37
<i>Umbellularia californica</i>	<i>P. pseudosyringae</i>	>60	32
<i>Umbellularia californica</i>	<i>P. pseudosyringae</i>	>60	39
<i>Umbellularia californica</i>	<i>P. ramorum</i>	38	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	35	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	41	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	41	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	40	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	44	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	39	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	32	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	35	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	38	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	40	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	37	>60
<i>Umbellularia californica</i>	<i>P. ramorum</i>	33	>60
<i>Umbellularia californica</i> (4 samples)	none detected	>60	>60

^a Plant samples from the field were the same as discussed previously (Martin et al. 2004). They were processed at the California Department of Food and Agriculture by plating on selective medium and confirming species identification based on morphological criteria and/or amplification of DNA extracted from infected tissue with the *P. ramorum* specific ITS primers. These were the same samples that were evaluated in a prior publication with the *Phytophthora* genus-specific, *P. ramorum*, *P. nemorosa*, and *P. pseudosyringae* species-specific primer pairs (39).

^b Real-time PCR was performed following 1:10 dilution of DNA extract for multiplex amplifications using plant and the indicated species-specific primers and probe. Results using plant primers and probe were positive for all samples, with Ct values ranging from 23 to 34.

^c No fluorescence was detected at 60 cycles of PCR amplification.