

**Pseudomonas cannabina pv. cannabina pv. nov., and
Pseudomonas cannabina pv. alisalensis (Cintas Koike and
Bull, 2000) comb. nov., are members of the emended species
Pseudomonas cannabina (ex Šutič & Dowson 1959) Gardan,
Shafik, Belouin, Brosch, Grimont**

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Titre	Pseudomonas cannabina pv. cannabina pv. nov., and Pseudomonas cannabina pv. alisalensis (Cintas Koike and Bull, 2000) comb. nov., are members of the emended species Pseudomonas cannabina (ex Šutič & Dowson 1959) Gardan, Shafik, Belouin, Brosch, Grimont
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Résumé en anglais	Sequence similarity in the 16S rDNA gene confirmed that crucifer pathogen <i>Pseudomonas syringae</i> pv. <i>alisalensis</i> belongs to <i>P. syringae</i> sensu lato. In reciprocal DNA/DNA hybridization experiments, DNA relatedness was high (69–100%) between <i>P. syringae</i> pv. <i>alisalensis</i> strains and the type strain of <i>P. cannabina</i> (genomospecies 9). In contrast, DNA relatedness was low (below 48%) between <i>P. syringae</i> pv. <i>alisalensis</i> and reference strains from the remaining genomospecies of <i>P. syringae</i> including the type strain of <i>P. syringae</i> and reference strain of genomospecies 3 (<i>P. syringae</i> pv. <i>tomato</i>) although the well-known crucifer pathogen, <i>P. syringae</i> pv. <i>maculicola</i> , also belongs to genomospecies 3. Additional evidence that <i>P. syringae</i> pv. <i>alisalensis</i> belongs to <i>P. cannabina</i> was sequence similarity in five gene fragments used in multilocus sequence typing, as well as similar rep-PCR patterns when using the BOX-A1R primers. The description of <i>P. cannabina</i> has been emended to include <i>P. syringae</i> pv. <i>alisalensis</i> . Host range testing demonstrated that <i>P. syringae</i> pv. <i>alisalensis</i> strains, originally isolated from broccoli, broccoli raab or arugula, were not pathogenic on <i>Cannabis sativa</i> (family Cannabinaceae). Additionally, <i>P. cannabina</i> strains, originally isolated from the <i>C. sativa</i> were not pathogenic on broccoli raab or oat while <i>P. syringae</i> pv. <i>alisalensis</i> strains were pathogenic on these hosts. Distinct host ranges for these two groups indicate that <i>P. cannabina</i> emend. consists of at least two distinct pathovars, <i>P. cannabina</i> pv. <i>cannabina</i> pv. nov., and <i>P. cannabina</i> pv. <i>alisalensis</i> comb. nov. <i>Pseudomonas syringae</i> pv. <i>maculicola</i> strain CFBP 1637 is a member of <i>P. cannabina</i> .
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