



**Fig. 1.** *Pectobacterium* encoding GFP on a plasmid were inoculated into cut petioles and the petioles were incubated for 12 hours. Thin slices were taken from each petioles at 1 cm intervals and observed with fluorescence microscopy. Fig. 1A shows representative images from a susceptible plant (F2-15) and a resistant plant (F2-65). Fig. 1B shows the percent of petioles that had at least 1 vascular bundle colonized 12 hours post-inoculation. Susceptible F2 lines (15, 210) are shown in blue and resistant F2 lines (65, 135) are in orange. Fig. 1C shows *P. carotovorum* cells coating the spiral xylem released from a vascular bundle.