

Supplementary Table S1: Three-Way Analysis of variance results for the analysis of *Bactrocera tryoni* larval survival in tomato fruit of two ripening stages (colour-break and fully-ripe), two cultivars (Roma and Cherry) and two picking states (picked or unpicked). Separate ANOVAs are presented for fruit which was destructively sampled 48 and 120 hours after larval inoculation.

Treatment/interaction	df	F	P
48 hours after inoculation			
Ripening stage	1, 72	7.73	<0.01
Cultivar	1, 72	1.82	0.182
Picking status	1, 72	1.82	0.182
Ripening * Cultivar	1, 72	2.19	0.142
Ripening * Picking status	1, 72	2.50	0.117
Cultivar * Picking status	1, 72	0.77	0.380
Ripening * Cultivar * Picking s.	1, 72	0.08	0.778
120 hours after inoculation			
Ripening stage	1, 72	0.12	0.915
Cultivar	1, 72	0.56	0.453
Picking status	1, 72	10.21	<0.01
Ripening * Cultivar	1, 72	0.007	0.933
Ripening * Picking status	1, 72	3.99	0.049
Cultivar * Picking status	1, 72	0.26	0.608
Ripening * Cultivar * Picking s.	1, 72	0.47	0.495