

SUPPORTING INFORMATION Table 1: Chemical characteristics of the pectin sample used.

Galacturonic acid content ^a	82.5 +/- 0.5
Rhamnose content ^a	1.9 +/- 0.2
Arabinose ^a	traces
Xylose ^a	0.3 +/- 0.01
Mannose ^a	traces
Galactose ^a	8.5 +/- 0.6
Glucose ^a	0.6 +/- 0.02
Degree of methylation (DM) ^b	28.5 +/- 1.0
Degree of acetylation (DAc) ^c	0

a: dry weight %

b: percent molar ratio of methanol to GalA

c: percent molar ratio of acetic acid to GalA