



Figure S1. Score of brown stain index in yellow carrots. 1 = roots without stains; 2 = roots with light stains or few stains; 3 = roots with large amount of stains or with darker stains.

Table S1. Color values (L^* , a^* , and b^*) of yellow carrots treated with different edible coatings and stored at 2 °C 95–100% RH.

Day	Treatment						
	Control	Chitosan 1%	Chitosan 3%	Chitosan 5%	Carnauba 0.5%	Carnauba 1%	Carnauba 12%
Luminosity (L^*)							
0	61.9 Aa	61.9 Aa	61.9 Aa	61.9 Aa	61.9 Aa	61.9 Aa	61.9 Aa
7	58.4 Ba	58.5 BCa	56.2 Bb	54.7 Cbc	52.5 Cc	54.2 Cbc	48.1 Bd
15	61.7 Aa	59.9 Bab	57.1 Bc	59.0 Bbc	57.2 Bc	57.2 Bc	
30	58.8 Ba	57.2 Cab	53.7 Cc	56.4 Cb			
C.V.	2.4%						
a^*							
0	-1.18 Aa	-1.18 Ca	-1.18 Ba	-1.18 Ca	-1.18 Ba	-1.18 Ba	-1.18 Ba
7	-2.34 Ac	-0.56 BCbc	-0.80 Bbc	0.15 BCab	0.07 ABab	-0.18 Bb	1.84 Aa

15	-2.19	Ab	0.91	ABa	0.21	ABa	1.19	ABa	0.73	Aa	1.78	Aa
30	-0.98	Ac	1.89	Aab	1.18	Aab	2.16	Aa				
C.V.	-0.11%											

b*

0	45.0	Ba	45.0	Ba	45.0	Aa	45.0	Aa	45.0	Ba	45.0	Aa	45.0	Aa
7	47.4	Aa	47.5	Aa	43.8	ABb	45.3	Ab	44.5	Bb	44.3	Ab	40.6	Bc
15	49.0	Aa	47.7	Aab	45.4	Ac	46.5	Abc	47.0	Abc	45.9	Abc		
30	47.6	Aa	47.5	Aa	43.0	Bb	46.1	Aa						
C.V.	2.7%													

Notes: Means followed by the same capital letter in columns and lowercase in lines do not differ by Tukey's test ($P \geq 0.05$) ($n = 5$).