

## Supplementary Material

**Table S1.** Macro for calculating six parameters on the force-distance curves, developed for the TA.XT*plus* Texture Analyzer using Exponent software (Stable Micro Systems Ltd., Godalming, Surrey, UK)

	Program	Flags
1:	Clear Graph Results	
2:	Redraw	
3:	Search Forwards	
4:	Go to Min. Time	
5:	Drop Anchor	
6:	Go to 20 Percent of Max. Force	
7:	Drop Anchor	
8:	Go to 80 Percent of Max. Force	
9:	Drop Anchor	
10:	Gradient (Active vs Active) as Grad (20-80%)	(R)
11:	Go to Absolute +ve Value Force Current Units	
12:	Drop Anchor	
13:	Mark Value (Force (N)) as Fs	(R)
14:	Mark Value (Distance (mm)) as D	(R)
15:	Select Anchor 1, Anchor Not Activated	(F!)
16:	Area (Active vs Active) as Ws	(R)
17:	Go to Distance 4.5 mm	
18:	Drop Anchor	
19:	Go to Distance 9.5 mm	
20:	Drop Anchor	
21:	Mean (Active) as Ff	(R)
22:	Area (Active vs Active) as Wf	(R)

**Table S2.** Pearson correlation coefficients (*r*) and *p*-values calculated between mean sensory, instrumental <sup>a</sup> and compositional determinations (*n* = 72).

		<b>Crisp- ness</b>	<b>Hardness</b>	<b>Juiciness</b>	<b>Skin toughness</b>	<i>F<sub>s</sub></i>	<i>W<sub>s</sub></i>	<i>Grad</i>	<i>D</i>	<i>F<sub>f</sub></i>	<i>EJ</i>	<i>TA</i>
Hardness	<i>r</i>	<b>0.93</b>										
	<i>p</i> -value	<0.0001										
Juiciness	<i>r</i>	<b>0.61</b>	<b>0.47</b>									
	<i>p</i> -value	<0.0001	<0.0001									
Skin toughness	<i>r</i>	<b>-0.19</b>	<b>-0.01</b>	<b>-0.31</b>								
	<i>p</i> -value	0.12	0.93	0.01								
<i>F<sub>s</sub></i>	<i>r</i>	<b>0.63</b>	<b>0.77</b>	<b>0.19</b>	<b>0.33</b>							
	<i>p</i> -value	<0.0001	<0.0001	0.12	<0.01							
<i>W<sub>s</sub></i>	<i>r</i>	<b>0.00</b>	<b>0.16</b>	<b>-0.14</b>	<b>0.63</b>	<b>0.64</b>						
	<i>p</i> -value	0.97	0.18	0.25	<0.0001	<0.0001						
<i>Grad</i>	<i>r</i>	<b>0.75</b>	<b>0.80</b>	<b>0.25</b>	<b>-0.10</b>	<b>0.78</b>	<b>0.07</b>					
	<i>p</i> -value	<0.0001	<0.0001	0.03	0.41	<0.0001	0.56					
<i>D</i>	<i>r</i>	<b>-0.60</b>	<b>-0.48</b>	<b>-0.39</b>	<b>0.53</b>	<b>-0.07</b>	<b>0.70</b>	<b>-0.61</b>				
	<i>p</i> -value	<0.0001	<0.0001	<0.001	<0.0001	0.58	<0.0001	<0.0001				
<i>F<sub>f</sub></i>	<i>r</i>	<b>0.83</b>	<b>0.91</b>	<b>0.40</b>	<b>0.12</b>	<b>0.88</b>	<b>0.36</b>	<b>0.80</b>	<b>-0.31</b>			
	<i>p</i> -value	<0.0001	<0.0001	<0.001	0.34	<0.0001	<0.01	<0.0001	0.01			
Expressed juiciness ( <i>EJ</i> )	<i>r</i>	<b>0.54</b>	<b>0.42</b>	<b>0.61</b>	<b>-0.26</b>	<b>0.13</b>	<b>-0.18</b>	<b>0.22</b>	<b>-0.41</b>	<b>0.29</b>		
	<i>p</i> -value	<0.0001	<0.001	<0.0001	0.03	0.29	0.13	0.06	<0.001	0.01		
Titratable acidity ( <i>TA</i> )	<i>r</i>	<b>-0.57</b>	<b>-0.47</b>	<b>-0.34</b>	<b>0.41</b>	<b>-0.11</b>	<b>0.36</b>	<b>-0.40</b>	<b>0.65</b>	<b>-0.28</b>	<b>-0.53</b>	
	<i>p</i> -value	<0.0001	<0.0001	<0.01	<0.001	0.37	<0.01	<0.001	<0.0001	0.02	<0.0001	
Soluble solids con- centrations ( <i>SSC</i> )	<i>r</i>	<b>0.20</b>	<b>0.24</b>	<b>0.08</b>	<b>0.01</b>	<b>0.38</b>	<b>0.33</b>	<b>0.23</b>	<b>0.08</b>	<b>0.32</b>	<b>-0.23</b>	<b>-0.01</b>
	<i>p</i> -value	0.10	0.05	0.49	0.91	0.001	<0.01	0.05	0.52	0.01	0.05	0.97

<sup>a</sup> determined using the TA.XTplus Texture Analyzer (Stable Micro Systems Ltd., Godalming, Surrey, UK) as described in Table 1.