

Supplementary Information

Table S1. Malt analysis provided by Admiral Maltings. Moisture content, friability, extract, and protein contents are reported as percentages (%), color is reported as SRM, beta-glucan and FAN are reported as mg/L, diastatic power is reported in degrees Linter (°L), and alpha-amylase is reported in dextrinizing units (D.U.). Some values were not reported by supplier for all malts (---).

Malt/Batch No.	Pils		It's the Chit	Kilnsmith
Batch No.	20-099	20-106	20-085	20-095
<i>Moisture Content</i>	4.6	4.2	4.0	3.2
<i>Friability</i>	89.3	91.2	---	---
<i>Extract (FGDB)</i>	81.6	82.1	78.5	77.0
<i>Color</i>	1.66	1.75	1.25	90.0
<i>Beta-Glucan</i>	242	164	1100	---
<i>Soluble Protein</i>	4.49	4.53	27.0	---
<i>Total Protein</i>	10.7	10.6	10.8	---
<i>FAN</i>	186	189	110	---
<i>Diastatic Power</i>	127	143	50	---
<i>Alpha Amylase</i>	44.6	52.5	5.0	---