

Supplementary Table S2. Changes in fruit firmness (FF) of ‘Skeena’, ‘Lapins’, and ‘Sweetheart’ sweet cherries from production elevation (PE) ranging of 117 to 697 MASL after packaging and 5 weeks of storage at 0 °C in 2018.

| Cultivar | Elevation (MASL) | After packaging | After 5 weeks of storage at 0 °C |
|------------|-----------------------------------|-----------------|----------------------------------|
| | | FF (N) | FF (N) |
| Skeena | 132 | 4.38 a | 4.10 c |
| | 268 | 4.33 a | 4.56 a |
| | 550 | 4.18 b | 4.23 b |
| | 697 | 4.10 b | 4.25 b |
| | R ² of linear model | 0.848*** | 0.025 ^{ns} |
| | R ² of quadratic model | 0.891*** | 0.549* |
| | R ² of cubic model | 0.914*** | 0.910*** |
| Lapins | 117 | 2.69 d | 3.06 b |
| | 331 | 2.82 c | 3.22 a |
| | 502 | 2.98 b | 3.30 a |
| | 688 | 3.06 a | 3.39 a |
| | R ² of linear model | 0.943*** | 0.870*** |
| | R ² of quadratic model | 0.946*** | 0.877*** |
| | R ² of cubic model | 0.959*** | 0.879*** |
| Sweetheart | 152 | 2.65 b | 2.85 c |
| | 365 | 3.07 a | 3.22 b |
| | 518 | 2.92 a | 3.28 b |
| | 640 | 3.00 a | 3.38 a |
| | R ² of linear model | 0.422* | 0.850*** |
| | R ² of quadratic model | 0.673** | 0.907*** |
| | R ² of cubic model | 0.839** | 0.926*** |

Values are presented as means. Difference lowercase letters indicated significant differences among means for each cultivar in each column using Fisher’s protected least significant difference (LSD) test at $P < 0.05$. ^{ns}, not significant effect; *, significant effect at the 0.05 level; **, significant effect at the 0.01 level; ***, significant effect at the 0.001 level.