**Table S6 Prediction model and verification of the bulblets number in different varieties.**

| Variety | N | Bulblets number prediction model | R2 | F | *P* | D-W | MAE | AER |
|---|---|---|---|---|---|---|---|---|
| 'Apricot Fudge' | 110 | $y = -2.262 + 2.730x_1 + 0.057x_2 + 0.016x_3 - 0.058x_4 + 0.570x_5$ | 0.165 | 1.819 | 0.128 | 1.998 | 0.654 | 12.81 |
| 'Easy Dream' | 134 | $y = 0.840 + 2.210x_1 - 0.108x_2 + 0.072x_3 + 0.119x_4 - 0.170x_5$ | 0.115 | 1.144 | 0.352 | 2.468 | 0.966 | 26.45 |
| 'Easy Sun' | 100 | $y = -2.345 + 5.843x_1 - 0.015x_2 + 0.010x_3 - 0.425x_4 + 1.321x_5$ | 0.290 | 3.588 | 0.008 | 2.222 | 0.693 | 17.46 |
| 'Easy Whisper' | 78 | $y = 1.145 - 0.166x_1 - 0.014x_2 - 0.025x_3 + 0.026x_4 + 1.144x_5$ | 0.084 | 0.789 | 0.563 | 1.822 | 0.342 | 2.04 |
| 'Pearl Frances' | 123 | $y = 9.892 - 1.504x_1 - 0.060x_2 - 0.090x_3 - 0.949x_4 + 1.398x_5$ | 0.369 | 5.262 | 0.001 | 1.827 | 1.025 | 23.79 |
| 'Pearl Melanie' | 106 | $y = -0.069 + 3.288x_1 - 0.073x_2 + 0.019x_3 - 0.149x_4 + 0.756x_5$ | 0.113 | 1.176 | 0.336 | 2.251 | 0.518 | 0.74 |
| 'Pearl White' | 138 | $y = 2.253 - 2.321x_1 + 0.025x_2 + 0.042x_3 - 0.057x_4 + 0.518x_5$ | 0.132 | 1.397 | 0.243 | 2.121 | 0.804 | 17.60 |
| 'Pink Flight' | 138 | $y = 6.470 - 3.953x_1 + 0.127x_2 - 0.123x_3 - 0.291x_4 + 0.471x_5$ | 0.257 | 3.177 | 0.015 | 1.147 | 0.989 | 10.21 |
| 'Purple Marble' | 93 | $y = 2.386 - 1.561x_1 + 0.046x_2 + 0.014x_3 - 0.092x_4 - 0.089x_5$ | 0.096 | 0.978 | 0.441 | 1.678 | 0.648 | 6.69 |
| 'Red Twin' | 62 | $y = -7.520 + 1.544x_1 + 0.064x_2 + 0.174x_3 + 0.272x_4 + 0.229x_5$ | 0.257 | 2.353 | 0.061 | 1.574 | 0.782 | 7.26 |
| 'Red Velvet' | 92 | $y = 0.159 + 2.662x_1 - 0.038x_2 + 0.040x_3 + 0.019x_4 - 0.386x_5$ | 0.045 | 0.401 | 0.845 | 2.066 | 0.653 | 11.66 |
| 'Strawberry Event' | 72 | $y = 6.975 - 3.239x_1 + 0.012x_2 - 0.064x_3 - 0.198x_4 - 0.220x_5$ | 0.125 | 1.312 | 0.276 | 2.038 | 0.491 | 12.04 |
| 'Tresor' | 90 | $y = 7.847 - 1.476x_1 - 0.048x_2 - 0.174x_3 - 0.284x_4 + 1.109x_5$ | 0.135 | 1.373 | 0.253 | 1.950 | 0.796 | 6.56 |
| 'Tribal Dance' | 106 | $y = 1.527 + 1.337x_1 - 0.036x_2 - 0.003x_3 - 0.441x_4 + 1.958x_5$ | 0.174 | 1.934 | 0.107 | 2.414 | 0.700 | 7.71 |
| 'Yellow Cocotte' | 61 | $y = 0.382 + 0.898x_1 - 0.004x_2 + 0.002x_3 + 0.094x_4 - 0.174x_5$ | 0.022 | 0.205 | 0.959 | 2.014 | 0.317 | 7.98 |
| 'Hotel California' | 163 | $y = 11.501 - 11.650x_1 + 0.162x_2 - 0.137x_3 - 0.163x_4 + 1.002x_5$ | 0.248 | 3.042 | 0.019 | 1.872 | 0.741 | 8.88 |
| 'November Rain' | 88 | $y = -2.763 + 2.624x_1 + 0.072x_2 + 0.028x_{43} - 0.047x_5$ | 0.087 | 0.871 | 0.508 | 1.828 | 0.693 | 16.38 |
| 'Eyeliner' | 84 | $y = 3.969 - 2.726x_1 + 0.051x_2 - 0.036x_3 - 0.116x_4 + 0.149x_5$ | 0.046 | 0.420 | 0.832 | 1.690 | 0.473 | 12.48 |
| 'Royal Sunset' | 90 | $y = 2.244 + 0.276x_1 + 0.002x_2 - 0.01x_3 - 0.086x_4 + 0.081x_5$ | 0.012 | 0.102 | 0.991 | 2.466 | 0.353 | 1.67 |
| 'Yellow Diamond' | 73 | $y = -0.206 + 1.623x_1 - 0.013x_2 + 0.033x_3 + 0.113x_4 - 0.438x_5$ | 0.032 | 0.289 | 0.916 | 2.125 | 0.332 | 31.83 |