|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Trait phenotyped** | **Site** | **‘M27’ M** | **‘M27’ S** | **‘M9’ M** | **‘M9’ S** | **‘M793’ M** | **‘M793’ S** |
| Architectural traits 2011-2012 | PN | 4 | 15 | 6 | 12 | 5 | 13 |
| HN | 11 | 9 | 8 | 11 | 11 | 9 |
| MT | 10 | 11 | 14 | 5 | 15 | 4 |
|  | | | | | | | |
| Final dry weight 2012 | PN | 4 | 6 | 4 | 6 | 5 | 5 |
| HN | 10 | 9 | 8 | 11 | 11 | 8 |
|  | | | | | | | |
| Architectural traits 2012-2013 | PN | 9 | 11 | 8 | 12 | 9 | 11 |
| HN | 10 | 10 | 10 | 10 | 10 | 10 |
| MT | 9 | 9 | 9 | 9 | 9 | 9 |
|  | | | | | | | |
| Final dry weight 2013 | PN | 6 | 6 | 5 | 6 | 6 | 6 |
| HN | 5 | 5 | 5 | 5 | 5 | 5 |
|  | | | | | | | |
| Flowering 2013 | PN | 6 | 6 | 6 | 6 | 5 | 6 |
| HN | 5 | 5 | 5 | 5 | 5 | 5 |
| MT | 5 | 5 | 4 | 6 | 6 | 4 |

**Supplementary Table S1. The number of apple trees phenotyped for each trait.** Architectural measurements included primary axis length and node number, trunk circumference area (TCA), number of sylleptic shoots per tree, and sylleptic shoot length and node number. Palmerston North (PN), Havelock North (HN), Motueka (MT), monopodial axis (M), sympodial axis (S).