

SUPPLEMENTARY TABLE 1. Details of seed germination, survival to adulthood and flowering rates in the *Myosotis pygmaea* species group common garden experiment. Rows in bold are totals for each species or putative taxa. <sup>1</sup> Additional 60 seeds per population germinated as part of the initial trial. <sup>2</sup> Seed collected two years after the original voucher specimen from the same population.

| Species                     | Voucher of original field collection of each population | Age of seed at planting (months) | No. seeds sewn | No. germinated | No. survived to adulthood | No. flowered | Days to germination | Days to flowering (since germination) | Notes                  | Vouchers of flowering plants measured, or no. vegetative plants measured |
|-----------------------------|---|----------------------------------|----------------|----------------|---------------------------|--------------|---------------------|---------------------------------------|------------------------|--|
| <i>M. antarctica</i>        | WELT SP102775   | 9                                | 20             | 3              | 0                         |              | 39 to 41            |                                       |                        |  |
| <b><i>M. antarctica</i></b> | <b>1 population</b>                                     | <b>9</b>                         | <b>20</b>      | <b>3</b>       | <b>0</b>                  |              | <b>39 to 41</b>     |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP090545   | 34                               | 10             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP090549   | 34                               | 15             | 1              | 0                         |              | 72                  |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP093294 <sup>1</sup>                              | 3 to 31                          | 120            | 33             | 9                         | 6            | 6 to 87             | 43 to 49                              | 3 attempts combined    | WELT SP104515<br>WELT SP104997<br>WELT SP104506                          |
| <i>M. brevis</i>            | WELT SP102760   | 13                               | 27             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP102762   | 13                               | 18             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP102763   | 13                               | 36             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. brevis</i>            | WELT SP090543 <sup>2</sup>                              | 9                                | 33             | 18             | 15                        | 6            | 70 to 126           | 33 to 92                              |                        | WELT SP104511<br>WELT SP104495<br>WELT SP104496<br>WELT SP104555         |
| <i>M. brevis</i>            | WELT SP090550   | 34                               | 12             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. brevis</i> ?          | CHR 596675  | 92 to 108                        | 40             | 0              |                           |              |                     |                                       | Population now extinct |  |
| <b><i>M. brevis</i></b>     | <b>9 populations</b>                                    | <b>9 to 108</b>                  | <b>311</b>     | <b>52</b>      | <b>24</b>                 | <b>12</b>    | <b>11 to 126</b>    | <b>33 to 92</b>                       |                        | <b>7 flowering</b>   |
| <i>M. drucei</i>            | WELT SP100465   | 20                               | 12             | 10             | 1                         | 1            | 15 to 35            | 191                                   |                        | WELT SP104500  |
| <i>M. drucei</i>            | WELT SP100428   | 19                               | 37             | 3              | 1                         | 0            | 38 to 70            |                                       |                        | 1  |
| <i>M. drucei</i>            | WELT SP100440   | 20                               | 11             | 0              |                           |              |                     |                                       |                        |  |
| <i>M. drucei</i>            | WELT SP093286   | 31                               | 15             | 5              | 0                         |              | 23 to 26            |                                       |                        |  |
| <i>M. drucei</i>            | WELT SP091599   | 31                               | 38             | 13             | 0                         |              | 15 to 103           |                                       |                        |  |
| <i>M. drucei</i>            | WELT SP100492   | 19                               | 35             | 32             | 8                         | 0            | 15 to 79            |                                       |                        | 2  |
| <i>M. drucei</i>            | AK 331000   | ?31                              | 4              | 0              |                           |              |                     |                                       |                        |  |
| <i>M. drucei</i>            | WELT SP102785   | 7                                | 27             | 8              | 8                         | 2            | 7 to 103            | 97                                    |                        | WELT SP104502<br>WELT SP104503   |
| <i>M. drucei</i>            | WELT SP104524   | 6                                | 6              | 3              | 1                         | 1            | 70 to 79            | 144                                   |                        | WELT SP104526  |
| <i>M. drucei</i>            | WELT SP100445 <sup>1</sup>                              | 8 to 12                          | 80             | 58             | 6                         | 0            | 10 to 29            |                                       | 2 attempts combined    | 3  |

|   |   |                |            |            |           |           |                  |                  |   |
|---|---|----------------|------------|------------|-----------|-----------|------------------|------------------|---|
| <i>M. drucei</i>                            | WELT SP100425   | 19             | 1          | 1          | 0         | 23        |                  |                  |   |
| <i>M. drucei</i>                            | WELT SP104519   | 3              | 40         | 7          | 7         | 1         | 15 to 37         | 79               | WELT SP105606   |
| <b><i>M. drucei</i></b>                     | <b>11 populations</b>   | <b>3 to 31</b> | <b>306</b> | <b>140</b> | <b>32</b> | <b>5</b>  | <b>7 to 103</b>  | <b>79 to 191</b> | <b>5 flowering, 6 vegetative</b>                                      |
| <i>M. glauca</i>                            | WELT SP093284   | 31             | 11         | 1          | 1         | 0         | 44               |                  | 1   |
| <i>M. glauca</i>                            | WELT SP100497   | 19             | 4          | 3          | 0         |           | 11 to 15         |                  |   |
| <i>M. aff. glauca</i>                       | WELT SP093282   | 31             | 10         | 0          |           |           |                  |                  |   |
| Morphologically similar to <i>M. glauca</i> | WELT SP103892   | 3              | 42         | 2          | 2         | 0         |                  |                  | Including 2 self-sown from the original pots 2                        |
| <b><i>M. glauca</i></b>                     | <b>4 populations</b>  | <b>3 to 31</b> | <b>67</b>  | <b>6</b>   | <b>3</b>  | <b>0</b>  | <b>11 to 44</b>  |                  | <b>3 vegetative</b>   |
| <i>M. pygmaea</i>                           | WELT SP100472   | 20             | 26         | 14         | 5         | 0         | 23 to 126        |                  | 2   |
| <i>M. pygmaea</i>                           | WELT SP100477   | 20 to 24       | 60         | 24         | 3         | 0         | 10 to 29         |                  | 2 attempts combined 2   |
| <i>M. pygmaea</i>                           | WELT SP100462 <sup>1</sup>  | 3 to 20        | 34         | 8          | 6         | 5         | 38 to 63         | 67 to 75         | 2 attempts combined WELT SP104504 WELT SP104516 WELT SP104517         |
| <i>M. pygmaea</i>                           | WELT SP100460   | 20             | 18         | 2          | 0         |           | 49 to 70         |                  |   |
| <i>M. pygmaea</i>                           | No voucher, seed collected by JMP from Tahakopa Bay, Southland, August 2012         | 12             | 40         | 31         | 15        | 8         | 15 to 70         | 60 to 183        | WELT SP104498 WELT SP104508 WELT SP104509                             |
| <i>M. pygmaea</i>                           | WELT SP090542 <sup>2</sup>  | 9              | 27         | 10         | 9         | 7         | 75 to 103        | 31 to 97         | WELT SP104499 WELT SP104505 WELT SP104510 WELT SP104513 WELT SP104514 |
| <i>M. pygmaea</i>                           | No voucher, seed from Otari-Wilton's Bush, ex Stewart Island                        | 2 to 18        | 22         | 8          | 7         | 7         | 44 to 70         | 64               | Including 5 seeds self sewn WELT SP104518 WELT SP104501 WELT SP104512 |
| <i>M. pygmaea</i>                           | WELT SP090629   | 33             | 22         | 6          | 0         |           | 35 to 72         |                  |   |
| <i>M. pygmaea</i> ?                         | No voucher, seed collected by Alex Fergus from Martins Bay, Fiordland               | 3 to 4         | 1          | 0          |           |           |                  |                  | May be <i>M. drucei</i> not <i>M. pygmaea</i>                         |
| <b><i>M. pygmaea</i></b>                    | <b>9 populations</b>  | <b>2 to 33</b> | <b>250</b> | <b>103</b> | <b>45</b> | <b>27</b> | <b>10 to 126</b> | <b>31 to 183</b> | <b>14 flowering, 4 vegetative</b>                                     |
| <i>M. "intermedia"</i>                      | WELT SP100498   | 19             | 5          | 2          | 0         |           | 31 to 35         |                  |   |
| <b><i>M. "intermedia"</i></b>               | <b>1 population</b>   | <b>19</b>      | <b>5</b>   | <b>2</b>   | <b>0</b>  |           | <b>31 to 35</b>  |                  |   |
| <i>M. "Volcanic Plateau"</i>                | No voucher, seed collected by Geoff Rogers from Kiwi Burn, Southland, December 2013 | 19             | 2          | 0          |           |           |                  |                  |   |

|                              |                      |                 |          |          |    |           |           |                             |
|------------------------------|----------------------|-----------------|----------|----------|----|-----------|-----------|-----------------------------|
| <i>M. "Volcanic Plateau"</i> | WELT SP100412        | 21              | 3        | 0        |    |           |           |                             |
| <i>M. "Volcanic Plateau"</i> | <b>2 populations</b> | <b>19 to 21</b> | <b>5</b> | <b>0</b> |    |           |           |                             |
| TOTAL                        | 3 to 108             | 964             | 306      | 104      | 38 | 11 to 126 | 31 to 191 | 26 flowering, 13 vegetative |