Table S1. Means and standard deviations (SD) of the studied parameters at the three selection cycles C1, C2, and C3 for 18 half-sib families

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Selection cycle** | **Mean** | **SD** |
| **NdB (day)** | **C1** | 247.0 | 23.2 |
| **C2** | 255.9 | 23.2 |
| **C3** | 258.1 | 21.5 |
| **NdF (day)** | **C1** | 270.3 | 20.4 |
| **C2** | 277.6 | 21.8 |
| **C3** | 280.2 | 21.4 |
| **DF (day)** | **C1** | 48.4 | 8.23 |
| **C2** | 47.4 | 9.5 |
| **C3** | 37.3 | 9.5 |
| **NdM (day)** | **C1** | 319.7 | 20.9 |
| **C2** | 325.7 | 22.2 |
| **C3** | 330.4 | 20.2 |
| **DM (day)** | **C1** | 45.4 | 7.9 |
| **C2** | 45.5 | 7.8 |
| **C3** | 36.0 | 7.9 |
| **TKW (g)** | **C1** | 19.9 | 2.3 |
| **C2** | 23.1 | 6.4 |
| **C3** | 21.7 | 3.6 |
| **Gr**  | **C1** | 0.89 | 0.05 |
| **C2** | 0.86 | 0.06 |
| **C3** | 0.89 | 0.08 |

1NdB: Number of days to bolting

2NdF: Number of days to flowering

3DF: Flowering period duration

4NdM: Number of days to maturity

5DM: Maturity duration

6TKW: One thousand glomeruli weight

7Gr: Germination rate

8SD: Standard deviation



**Fig. S1.** Sugar beet seeds placed between the folds of the blotting paper

Fig. S2. Means (+/- standard deviation) of the 18 half-sib families’ (HSF) number of days to bolting (NdB) (a), number of days to flowering (NdF) (b) and number of days to maturity (NdM) (c) during the three selection cycles, C1, C2, and C3

**Fig. S3.** Means (+/- standard deviation) of the 18 half-sib families’ (HSF) one thousand glomeruli weight (TKW) (a) and germination percentage (Gr) (b) during the 3 selection cycles, C1, C2, and C3