



A Set of Natural Arabidopsis Accessions



- Made up of 100 selected seed lines from 400 natural Arabidopsis accessions in the stock of RIKEN BRC.
- Each accession was propagated by the single seed descent (SSD) method.
- Data on the 149 SNPs from the 3rd generation of each accession was used to classify the accessions into 100 distinct lines.
- Phenotype was also considered in the selection process.
- Users will receive a package with 100 tubes—one tube per line with each tube containing about 50 seeds
- To conserve the original polymorphisms in each accession, the original seed stocks (those before amplification with the SSD method) were distributed.

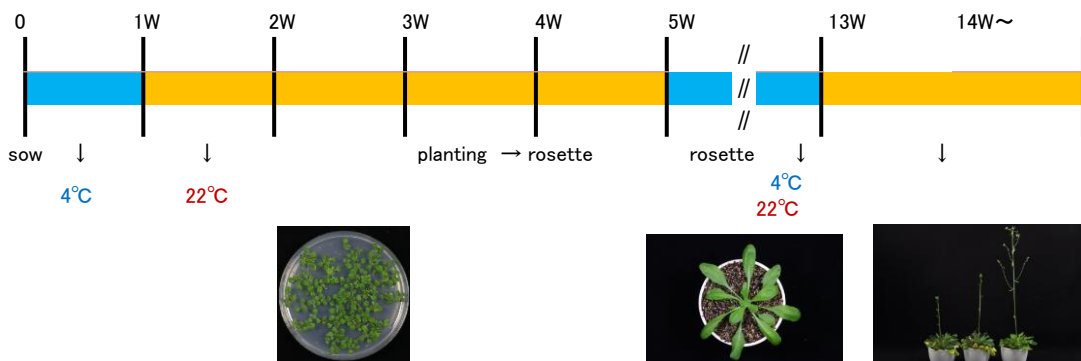
Growth Method for Late Flowering

Under our growth conditions, the following lines have the late flowering phenotype:

SJA04500(Bus-0), SJA08900(Ge-0), SJA12600(Ko-3)

SJA19800(Ri-0), SJA23900(Ty-0), and SJA35200(Van-1).

- 1) Sow the seeds on an agar plate (germination medium) and let them sit under dark conditions at 4°C.
- 2) After 5-7 days, expose the plate to ambient light at 22°C.
- 3) Two weeks later, transplant the seedlings to pots filled with soil compressed very lightly to give a firm bed and place the pots on a cultivation rack at 22°C.
- 4) After another 2 weeks, expose the plants to an alternating 16 hours of light and 8 hours of dark at 4°C for 8 weeks. This low-temperature treatment is required for flowering.
- 5) Return the potted plants to the rack at 22°C. It takes about 1-2 weeks more before the flowers emerge.



Comments and questions to plant@brc.riken.jp
We value any suggestions on how to improve our services.