|  |  |  |  |
| --- | --- | --- | --- |
| Sequences |  | Identity (%) |  |
| *CycaNCED* | *Lactuca sativa* (BAE72991.1), *NCED2*  | 97 | 80/82 |
|  | *Chrysanthemum x morifolium* (BAF36655,1), NCED  | 82 | 76/82 |
|  | *L. sativa* (BAE72092,1), NCED3 | 92 | 76/82 |
|  |  *Lilium speciosum* (ACX33873,1), *NCED3* | 80 | 65/81 |
|  | *Solanum peruvianum, NCED* | 81 | 67/82 |
| *CycaCYP707A* | *L. sativa* (BAG12744), *ABA 8´-hydroxylase* | 85 | 185/199 |
|  | *Arabidopsis lyrata* (XP002881028,1), CYP707A2  | 73 | 139/196 |
|  | *Arabidopsis thaliana* (NP 180473), ABA 8'-hidroxilase 2  | 70 | 138/196 |
| *CycaABI5* | *Solanum tuberosum* (ADL70202.1), ABRE element  | 50 | 114/229 |
|  | *S. lycopersicum* (AAS20434.1), ABRE-like protein  |  |  |
|  | *Hordeum vulgare* ([HQ456390.1](http://www.ncbi.nlm.nih.gov/nucleotide/312205692?report=genbank&log$=nucltop&blast_rank=44&RID=YWEFNE5K014)), ABI5  | 67 | 31/46 |
|  | *S. lycopersicum* (AAS20434.1), ABRE-like protein  | 50 | 114/129 |
| *CycaGA3ox* | *Chrysanthemum x morifolium* (BAG48320.1), GA3ox | 83 | 67/80 |
|  | *L. sativa Ls3h1* ([AB012205.1](http://www.ncbi.nlm.nih.gov/nucleotide/4164144?report=genbank&log$=nucltop&blast_rank=3&RID=YWJEY260011)), GA3ox1 | 80 | 61/80 |
|  | *Vitis vinífera* (CAN80137.1), GA3ox  | 67 | 55/81 |
|  | *S. tuberosum* (ACN89834), GA3ox  | 67 | 55/81 |
|  | *Rumex palustris* ([DQ641497.1](http://www.ncbi.nlm.nih.gov/nucleotide/109729784?report=genbank&log$=nucltop&blast_rank=17&RID=YWJEY260011)), GA3ox1 | 75 | 60/81 |
|  | *Nicotiana tabacum* (ABO70984.1), GA3ox2.  | 63 | 52/2 |
| *CycaGAI* | *Tragopogon porrifolius* (ADD64899.1), GAI-like protein  | 97 | 92/95 |
|  | *Argyroxiphium sandwicense* (AAM15889.1), GAI-like protein  | 93 | 88/95 |
|  | *Malus hupehensis* (ABS50250), DELLA protein  | 88 | 87/96 |
|  | *Populus trichocarpa* (XP002302975), DELLA protein. | 86 | 86/96 |
|  | *Cayratia japonica* (ABL97859), GAI-like protein. | 86 | 86/96 |
| *CycaRGL2* | *Tragopogon porrifolius* (ADD64899), GAI  | 96 | 92/95 |
|  | *Argyroxiphium sandwicense* (AAM15889), GIA/RGA-like.  | 92 | 87/95 |
|  | *Wilkesia gymnoxiphium* (AAM15886.1), GIA/RGA-like.  | 90 | 88/95 |
|  | *Solanum licopersicum* (Q7Y1B6), DELLA protein. | 90 | 86/95 |
|  | *Dubautia menziesii* (AAM15884), GIA/RGA-like. | 90 | 87/95 |

Table S1. Bioinformatics analysis of the sequences.