Table S3 – Haplotypes scored for the *ef1α* marker. The fourth column lists the obtained sequences belonging to each haplotype. Accession numbers of the haplotype nucleotide sequence submitted to EMBL/NCBI/DDBJ databanks are given in column #2.

| **Haplotypelabel** | **Accessionnumber** | **Number ofsequences** | **Length ofhaplotype(bp)** | **Sequencesbelonging tohaplotype** | **Life stage(A)dult(L)arva** | **Host plant** | **Country** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| H01 | LN849446 | 2 | 760 | TB03AN45a  | A | *Onopordum* | Spain |
|  |  |  |  | TB16A02a | A | Unknown | Spain |
| H02 | LN849447 | 6 | 760 | TB03AN45b  | A | *Onopordum* | Spain |
|  |  |  |  | TB15A01b  | A | *Onopordum* | Spain |
|  |  |  |  | TB16A01b  | A | Unknown | Spain |
|  |  |  |  | TB16A02b  | A | Unknown | Spain |
|  |  |  |  | TH28A03b  | A | *Carduus* | Spain |
|  |  |  |  | TH29A06b  | A | *Carduus* | Spain |
| H03 | LN849448 | 39 | 760 | TB05AN24  | A | *Onopordum* | Spain |
|  |  |  |  | TB05B03  | A | *Onopordum* | Spain |
|  |  |  |  | TB05B04  | A | *Onopordum* | Spain |
|  |  |  |  | TB09A05  | A | *Onopordum* | Spain |
|  |  |  |  | TB09A11  | A | *Onopordum* | Spain |
|  |  |  |  | TB10A21  | A | *Onopordum* | Spain |
|  |  |  |  | TB10A25  | A | *Onopordum* | Spain |
|  |  |  |  | TB11A29  | A | *Onopordum* | Spain |
|  |  |  |  | TB11A34  | A | *Onopordum* | Spain |
|  |  |  |  | TB11A40  | A | *Onopordum* | Spain |
|  |  |  |  | TB14A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB14A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB14A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB14A04  | A | *Onopordum* | Spain |
|  |  |  |  | TB17A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB17A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB17A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB18A01  | A | Unknown | Spain |
|  |  |  |  | TB19A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB19A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB19A04  | A | *Onopordum* | Spain |
|  |  |  |  | TB20A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB20A04  | A | *Onopordum* | Spain |
|  |  |  |  | TB21A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB21A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB21A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB22A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB22A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB22A04  | A | *Onopordum* | Spain |
|  |  |  |  | TB22A05  | A | *Onopordum* | Spain |
|  |  |  |  | TB24A01  | A | Unknown | Spain |
|  |  |  |  | TB25A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB25A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB26A01  | A | *Onopordum* | Spain |
|  |  |  |  | TB26A02  | A | *Onopordum* | Spain |
|  |  |  |  | TB26A03  | A | *Onopordum* | Spain |
|  |  |  |  | TB40A01  | A | *Onopordum* | Spain |
|  |  |  |  | TH26A01  | A | Unknown | Spain |
|  |  |  |  | TH26A02  | A | Unknown | Spain |
| H04 | LN849449 | 42 | 760 | TB15A01a  | A | *Onopordum* | Spain |
|  |  |  |  | TB16A01a  | A | Unknown | Spain |
|  |  |  |  | TB24A02a  | A | Unknown | Spain |
|  |  |  |  | TH03A06 | A | *Carduus* | Canada |
|  |  |  |  | TH23A01a  | A | *Carduus* | Germany |
|  |  |  |  | TH24A01a  | A | *Carduus* | Germany |
|  |  |  |  | TH26B02  | A | *Carduus* | Spain |
|  |  |  |  | TH28A03a  | A | *Carduus* | Spain |
|  |  |  |  | TH28A04  | A | *Carduus* | Spain |
|  |  |  |  | TH29A01  | A | *Carduus* | Spain |
|  |  |  |  | TH29A06a  | A | *Carduus* | Spain |
|  |  |  |  | TH31A01  | A | *Carduus* | France |
|  |  |  |  | TH31A02  | A | *Carduus* | France |
|  |  |  |  | TH31A04  | A | *Carduus* | France |
|  |  |  |  | TH32A01a  | A | *Cirsium* | France |
|  |  |  |  | TH32A02  | A | *Cirsium* | France |
|  |  |  |  | TH32A05  | A | *Cirsium* | France |
|  |  |  |  | TH33A01  | A | *Silybum & Carduus* | France |
|  |  |  |  | TH34A01  | A | *Carduus* | France |
|  |  |  |  | TH34A02a  | A | *Carduus* | France |
|  |  |  |  | TH34A03  | A | *Carduus* | France |
|  |  |  |  | TH35A01  | A | *Cirsium* | France |
|  |  |  |  | TH35A02 | A | *Cirsium* | France |
|  |  |  |  | TH35A04 | A | *Cirsium* | France |
|  |  |  |  | TH36A01a  | A | *Silybum* | France |
|  |  |  |  | TH37A01  | A | *Cirsium* | Georgia |
|  |  |  |  | TH37A02  | A | *Cirsium* | Georgia |
|  |  |  |  | TH39A01a  | L | *Onopordum* | New Zealand |
|  |  |  |  | TH39A02a  | L | *Onopordum* | New Zealand |
|  |  |  |  | TH39A03a  | L | *Onopordum* | New Zealand |
|  |  |  |  | TH40A01a  | L | *Cirsium* | New Zealand |
|  |  |  |  | TH40A02a  | L | *Cirsium* | New Zealand |
|  |  |  |  | TH40A03a  | L | *Cirsium* | New Zealand |
|  |  |  |  | TH41A01a  | L | *Carduus* | New Zealand |
|  |  |  |  | TH41A02a  | L | *Carduus* | New Zealand |
|  |  |  |  | TH41A03  | L | *Carduus* | New Zealand |
|  |  |  |  | TH50A01a  | A | *Carduus* | Turkey |
|  |  |  |  | TH50A03  | A | *Carduus* | Turkey |
|  |  |  |  | TM01A05  | A | *Carduus* | Australia |
| H05 | LN849450 | 3 | 760 | TB15A02a  | A | *Onopordum* | Spain |
|  |  |  |  | TH05A02b  | A | *Carduus* | Italy |
|  |  |  |  | TH13A04a  | A | *Carduus* | Italy |
| H06 | LN849451 | 15 | 760 | TB15A02b  | A | *Onopordum* | Spain |
|  |  |  |  | TB15A03  | A | *Onopordum* | Spain |
|  |  |  |  | TH05A02a  | A | *Carduus* | Italy |
|  |  |  |  | TH13A04b  | A | *Carduus* | Italy |
|  |  |  |  | TH15A01  | A | *Carduus* | Italy |
|  |  |  |  | TH15A02  | A | *Carduus* | Italy |
|  |  |  |  | TH25A01  | A | *Carduus* | Spain |
|  |  |  |  | TH26B01  | A | *Carduus* | Spain |
|  |  |  |  | TH27A01  | A | *Carduus* | Spain |
|  |  |  |  | TH29A02  | A | *Carduus* | Spain |
|  |  |  |  | TH29A03  | A | *Carduus* | Spain |
|  |  |  |  | TH29A05  | A | *Carduus* | Spain |
|  |  |  |  | TH38A03  | A | *Cirsium* | Italy |
|  |  |  |  | TM02A03  | A | *Carduus* | USA |
|  |  |  |  | TM02C02  | A | *Carduus* | USA |
| H07 | LN849452 | 17 | 760 | TB24A02b  | A | Unknown | Spain |
|  |  |  |  | TH23A01b  | A | *Carduus* | Germany |
|  |  |  |  | TH24A01b  | A | *Carduus* | Germany |
|  |  |  |  | TH32A01b  | A | *Cirsium* | France |
|  |  |  |  | TH34A02b  | A | *Carduus* | France |
|  |  |  |  | TH34A05 | A | *Carduus* | France |
|  |  |  |  | TH36A01b  | A | *Silybum* | France |
|  |  |  |  | TH39A01b  | A | *Onopordum* | New Zealand |
|  |  |  |  | TH39A02b  | A | *Onopordum* | New Zealand |
|  |  |  |  | TH39A03b  | A | *Onopordum* | New Zealand |
|  |  |  |  | TH40A01b  | A | *Cirsium* | New Zealand |
|  |  |  |  | TH40A02b  | A | *Cirsium* | New Zealand |
|  |  |  |  | TH40A03b  | A | *Cirsium* | New Zealand |
|  |  |  |  | TH41A01b  | A | *Carduus* | New Zealand |
|  |  |  |  | TH41A02b  | A | *Carduus* | New Zealand |
|  |  |  |  | TH50A01b  | A | *Carduus* | Turkey |
| H08 | LN849453 | 8 | 760 | TH05A03  | A | *Carduus* | Italy |
|  |  |  |  | TH05B01a  | A | *Carduus* | Italy |
|  |  |  |  | TH13A01  | A | *Carduus* | Italy |
|  |  |  |  | TH13A03  | A | *Carduus* | Italy |
|  |  |  |  | TH38A01  | A | *Cirsium* | Italy |
|  |  |  |  | TH38A02  | A | *Cirsium* | Italy |
|  |  |  |  | TM02A08  | A | *Carduus* | USA |
|  |  |  |  | TM02A09  | A | *Carduus* | USA |
| H09 | LN849454 | 1 | 760 | TH05B01b  | A | *Carduus* | Italy |
| H10 | LN849455 | 1 | 760 | TH32A04  | A | *Cirsium* | France |