Table S2 – Haplotypes scored for the *cox1* 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.

| **Haplotype label** | **Accession number** | **Number of sequences** | **Length of haplotype (bp)** | **Sequences belonging to haplotype** | **Life stage(A)dult(L)arva** | **Host plant** | **Country** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| H01 | LN831135 | 67 | 621 | TB01A01 | A | *Onopordum* | Australia |
|  |  |  |  | TB01A02 | A | *Onopordum* | Australia |
|  |  |  |  | TB01A03 | A | *Onopordum* | Australia |
|  |  |  |  | TB01A04 | A | *Onopordum* | Australia |
|  |  |  |  | TB02AN32 | A | *Onopordum* | Spain |
|  |  |  |  | TB02AN39 | A | *Onopordum* | Spain |
|  |  |  |  | TB02AN40 | A | *Onopordum* | Spain |
|  |  |  |  | TB02AN41 | A | *Onopordum* | Spain |
|  |  |  |  | TB02AN43 | A | *Onopordum* | Spain |
|  |  |  |  | TB02B01 | A | *Onopordum* | Spain |
|  |  |  |  | TB03AN47 | A | *Onopordum* | Spain |
|  |  |  |  | TB03BN58 | A | *Onopordum* | Spain |
|  |  |  |  | TB04A01 | A | Unknown | Spain |
|  |  |  |  | TB04A03 | A | Unknown | Spain |
|  |  |  |  | TB05AN24 | A | *Onopordum* | Spain |
|  |  |  |  | TB05AN3 | A | *Onopordum* | Spain |
|  |  |  |  | TB05B01 | A | *Onopordum* | Spain |
|  |  |  |  | TB05B03 | A | *Onopordum* | Spain |
|  |  |  |  | TB05B04 | A | *Onopordum* | Spain |
|  |  |  |  | TB05BN12 | A | *Onopordum* | Spain |
|  |  |  |  | TB05N28 | A | *Onopordum* | Spain |
|  |  |  |  | TB05N8 | A | *Onopordum* | Spain |
|  |  |  |  | TB06B01 | A | *Onopordum* | Spain |
|  |  |  |  | TB06C01 | A | *Onopordum* | Spain |
|  |  |  |  | TB06C02 | A | *Onopordum* | Spain |
|  |  |  |  | TB06N01 | A | *Onopordum* | Spain |
|  |  |  |  | TB06O01 | A | *Onopordum* | Spain |
|  |  |  |  | TB06O02 | A | *Onopordum* | Spain |
|  |  |  |  | TB06Q01 | A | *Onopordum* | Spain |
|  |  |  |  | TB09A05 | A | *Onopordum* | Spain |
|  |  |  |  | TB09A08 | 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 |
|  |  |  |  | TB14A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB14A03 | A | *Onopordum* | Spain |
|  |  |  |  | TB14A04 | A | *Onopordum* | Spain |
|  |  |  |  | TB17A01 | A | *Onopordum* | Spain |
|  |  |  |  | TB17A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB17A03 | A | *Onopordum* | Spain |
|  |  |  |  | TB17A04 | 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 |
|  |  |  |  | TB24A01 | A | Unknown | Spain |
|  |  |  |  | TB25A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB25A03 | A | *Onopordum* | Spain |
|  |  |  |  | TB26A01 | A | *Onopordum* | Spain |
|  |  |  |  | TB26A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB26A03 | A | *Onopordum* | Spain |
|  |  |  |  | TB27A01 | A | *Onopordum* | Spain |
|  |  |  |  | TB27A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB40A01 | A | *Onopordum* | Spain |
|  |  |  |  | TH26A01 | A | Unknown | Spain |
|  |  |  |  | TH26A02 | A | Unknown | Spain |
| H02 | LN831136 | 18 | 621 | TB03AN45 | A | *Onopordum* | Spain |
|  |  |  |  | TB15A01 | A | *Onopordum* | Spain |
|  |  |  |  | TB15A02 | A | *Onopordum* | Spain |
|  |  |  |  | TB15A03 | A | *Onopordum* | Spain |
|  |  |  |  | TB15A04 | A | *Onopordum* | Spain |
|  |  |  |  | TB20B01 | A | *Carduus* | Spain |
|  |  |  |  | TB24A02 | A | Unknown | Spain |
|  |  |  |  | TH25A01 | A | *Carduus* | Spain |
|  |  |  |  | TH26B02 | A | *Carduus* | Spain |
|  |  |  |  | TH27A01 | A | *Carduus* | Spain |
|  |  |  |  | TH28A03 | A | *Carduus* | Spain |
|  |  |  |  | TH28A04 | A | *Carduus* | Spain |
|  |  |  |  | TH29A03 | A | *Carduus* | Spain |
|  |  |  |  | TH31A01 | A | *Carduus* | France |
|  |  |  |  | TH32A02 | A | *Cirsium* | France |
|  |  |  |  | TH32A04 | A | *Cirsium* | France |
|  |  |  |  | TH53A01 | A | Unknown | Portugal |
|  |  |  |  | TH53A02 | A | Unknown | Portugal |
| H03 | LN831137 | 4 | 621 | TB16A01 | A | Unknown | Spain |
|  |  |  |  | TB16A02 | A | Unknown | Spain |
|  |  |  |  | TH29A04 | A | *Carduus* | Spain |
|  |  |  |  | TH29A05 | A | *Carduus* | Spain |
| H04 | LN831138 | 2 | 621 | TB20A01 | A | *Onopordum* | Spain |
|  |  |  |  | TB22A05 | A | *Onopordum* | Spain |
| H05 | LN831139 | 1 | 621 | TB20B02 | A | *Carduus* | Spain |
| H06 | LN831140 | 1 | 621 | TH01A02 | A | *Carduus* | USA |
| H07 | LN831141 | 1 | 621 | TH01A03 | A | *Carduus* | USA |
| H08 | LN831142 | 1 | 621 | TH02A01 | A | *Carduus* | USA |
| H09 | LN831143 | 1 | 621 | TH02A02 | A | *Carduus* | USA |
| H10 | LN831144 | 1 | 621 | TH02A03 | A | *Carduus* | USA |
| H11 | LN831145 | 3 | 621 | TH02A04 | A | *Carduus* | USA |
|  |  |  |  | TH38A02 | A | *Cirsium* | Italy |
|  |  |  |  | TM02C02 | A | *Carduus* | USA |
| H12 | LN831146 | 12 | 621 | TH03A01 | A | *Carduus* | Canada |
|  |  |  |  | TH03A02 | A | *Carduus* | Canada |
|  |  |  |  | TH24A01 | A | *Carduus* | Germany |
|  |  |  |  | TH07A1001 | A | *Carduus* | New Zealand |
|  |  |  |  | TH07A1006 | A | *Carduus* | New Zealand |
|  |  |  |  | TH39A01 | L | *Onopordum* | New Zealand |
|  |  |  |  | TH39A03 | L | *Onopordum* | New Zealand |
|  |  |  |  | TH40A01 | L | *Cirsium* | New Zealand |
|  |  |  |  | TH41A01 | L | *Carduus* | New Zealand |
|  |  |  |  | TH41A03 | L | *Carduus* | New Zealand |
|  |  |  |  | TM01A03 | A | *Carduus* | Australia |
|  |  |  |  | TM01A07 | A | *Carduus* | Australia |
| H13 | LN831147 | 1 | 621 | TH05A02 | A | *Carduus* | Italy |
| H14 | LN831148 | 1 | 621 | TH13A02 | A | *Carduus* | Italy |
| H15 | LN831149 | 1 | 621 | TH26B01 | A | *Carduus* | Spain |
| H16 | LN831150 | 1 | 621 | TH28A01 | A | *Carduus* | Spain |
| H17 | LN831151 | 1 | 621 | TH01A01 | A | *Carduus* | USA |
| H18 | LN831152 | 5 | 621 | TH03A03 | A | *Carduus* | Canada |
|  |  |  |  | TH03A06 | A | *Carduus* | Canada |
|  |  |  |  | TH39A02 | L | *Onopordum* | New Zealand |
|  |  |  |  | TH40A02 | L | *Cirsium* | New Zealand |
|  |  |  |  | TH40A03 | L | *Cirsium* | New Zealand |
| H19 | LN831153 | 1 | 621 | TH04A01 | A | *Carduus* | Italy |
| H20 | LN831154 | 1 | 621 | TH05A01 | A | *Carduus* | Italy |
| H21 | LN831155 | 1 | 621 | TH05A03 | A | *Carduus* | Italy |
| H22 | LN831156 | 1 | 621 | TH05B01 | A | *Carduus* | Italy |
| H23 | LN831157 | 1 | 621 | TH13A01 | A | *Carduus* | Italy |
| H24 | LN831158 | 1 | 621 | TH13A03 | A | *Carduus* | Italy |
| H25 | LN831159 | 1 | 621 | TH13A04 | A | *Carduus* | Italy |
| H26 | LN831160 | 1 | 621 | TH15A01 | A | *Carduus* | Italy |
| H27 | LN831161 | 1 | 621 | TH15A02 | A | *Carduus* | Italy |
| H28 | LN831162 | 1 | 621 | TH20At65 | A | *Carduus* | USA |
| H29 | LN831163 | 1 | 621 | TH29A02 | A | *Carduus* | Spain |
| H30 | LN831164 | 1 | 621 | TH29A06 | A | *Carduus* | Spain |
| H31 | LN831165 | 1 | 621 | TH31A02 | A | *Carduus* | France |
| H32 | LN831166 | 14 | 621 | TH31A04 | A | *Carduus* | France |
|  |  |  |  | TH32A01 | A | *Cirsium* | France |
|  |  |  |  | TH32A03 | A | *Cirsium* | France |
|  |  |  |  | TH32A05 | A | *Cirsium* | France |
|  |  |  |  | TH33A01 | A | *Silybum & Carduus* | France |
|  |  |  |  | TH34A01 | A | *Carduus* | France |
|  |  |  |  | TH34A02 | A | *Carduus* | France |
|  |  |  |  | TH34A03 | A | *Carduus* | France |
|  |  |  |  | TH34A05 | A | *Carduus* | France |
|  |  |  |  | TH35A01 | A | *Cirsium* | France |
|  |  |  |  | TH35A02 | A | *Cirsium* | France |
|  |  |  |  | TH35A03 | A | *Cirsium* | France |
|  |  |  |  | TH35A04 | A | *Cirsium* | France |
|  |  |  |  | TH36A01 | A | *Silybum* | France |
| H33 | LN831167 | 1 | 621 | TH34A04 | A | *Carduus* | France |
| H34 | LN831168 | 2 | 621 | TH37A01 | A | *Cirsium* | Georgia |
|  |  |  |  | TH37A02 | A | *Cirsium* | Georgia |
| H35 | LN831169 | 1 | 621 | TH38A01 | A | *Cirsium* | Italy |
| H36 | LN831170 | 1 | 621 | TH38A03 | A | *Cirsium* | Italy |
| H37 | LN831171 | 3 | 621 | TH41A02 | L | *Carduus* | New Zealand |
|  |  |  |  | TM01A05 | A | *Carduus* | Australia |
|  |  |  |  | TM01A08 | A | *Carduus* | Australia |
| H38 | LN831172 | 1 | 621 | TH50A01 | A | *Carduus* | Turkey |
| H39 | LN831173 | 1 | 621 | TH50A02 | A | *Carduus* | Turkey |
| H40 | LN831174 | 1 | 621 | TH50A03 | A | *Carduus* | Turkey |
| H41 | LN831175 | 1 | 621 | TH53A03 | A | Unknown | Portugal |
| H42 | LN831176 | 3 | 621 | TM02A08 | A | *Carduus* | USA |
|  |  |  |  | TM02A03 | A | *Carduus* | USA |
|  |  |  |  | TM02A09 | A | *Carduus* | USA |
| H43 | LN831177 | 1 | 621 | TM02C01 | A | *Carduus* | USA |
| H44 | LN831178 | 1 | 621 | TT01A01 | A | *Plantago* | Portugal |
| H45 | LN831179 | 2 | 621 | TT01A02 | A | *Plantago* | Portugal |
|  |  |  |  | TT01A03 | A | *Plantago* | Portugal |