**Supplementary Table 2.** Relative genome size (2C and Cx values are given in arbitrary units, relative to *Solanum lycopersicum* ‘Stupické polní rané’ (2C = 1.96 pg; Doležel et al., 1992)) determined using DAPI flow cytometry for *Cardamine matthioli, C. majovskyi, C. rivularis* and *C. pratensis.*

| Ploidy level | Number of populations / individuals analysed | Relative genome size (2C) mean (min. – max.) | Monoploid relative genome size (Cx) mean | Variation max. / min. (%) |
|--------------|---------------------------------------------|---------------------------------------------|------------------------------------------|--------------------------|
| *C. matthioli* | 2x                                           | 0.397 (0.353 - 0.497)                        | 0.198                                    | 40.79                    |
| *C. majovskyi* | 4x                                           | 0.818 (0.736 - 0.903)**                      | 0.204                                    | 42.53                    |
| *C. pratensis* | 2x                                           | 0.421 (0.363 - 0.492)                        | 0.21                                     | 35.54                    |
|              | 3x                                           | 0.584                                        | 0.195                                    |                          |
|              | 4x                                           | 0.830 (0.752 - 1.131)                        | 0.208                                    | 50.37                    |
|              | 6x                                           | 1.263 (1.132 - 1.471)                        | 0.211                                    | 29.95                    |
|              | 7x                                           | 1.496 (1.387 - 1.536)                        | 0.214                                    | 10.74                    |
| *C. rivularis* | Romania 2x                                   | 0.523 (0.518 - 0.543)                        | 0.262                                    | 4.738                    |
|              | Bulgaria 2x                                  | 0.56 (0.546 - 0.585)                         | 0.28                                     | 7.089                    |
|              | Romania 3x                                   | 0.793 (0.786 - 0.799)                        | 0.264                                    | 1.671                    |
|              | Bulgaria 3x*                                 | 0.755 (0.681 - 0.865)                        | 0.252                                    | 27.061                   |

* Triploids in Bulgaria most likely include both autotriploids of *C. rivularis* and hybrids between *C. rivularis* and *C. matthioli*; see the text for further explanation

** omitting potentially hybrid population Maj_LOG, see the text for further explanation