**S1 Table. Structural and morphological characters of chromosomes of 28-chromosomal species of sect. *Syllinum*.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **chromosome** | **mean****chromosome****length****+ s.d., (µm)** | **centromeric****index****+ s.d., (%)** | **DAPI/C - bands** | **rDNA****sites** |
| **short arm** | **centromeric****band** **(size)** | **long arm** |
| **telomeric****band****(size)** | **intercalaric****bands****(number)** | **intercalaric****bands** **(number)** | **telomeric****band** **(size)** |
| **1** | **5.5** + 1.5 | **40.0**+ 3.7 | M | 2  | M | 3 | M |  |
| **2** | **5.4**+ 1.4 | **43.7**+ 3.5 | M - L | 1 | L | 2 | M |  |
| **3** | **5.2**+ 1.3 | **39.6**+ 3.0 | M | 2 | M | 3 | M |  |
| **4** | **5.0**+ 1.2 | **44.8**+ 3.8 | M - L | 1 | L | 2 | M |  |
| **5** | **4.9**+ 1.2 | **43.2**+ 3.2 | M | 2 | M | 2 | M |  |
| **6** | **4.9**+ 1.1 | **36.6**+ 3.6 | M | 1 | L | 2 | S - M |  |
| **7** | **4.8**+ 1.5 | **37.3**+ 4.7 | S - M | 1 | M - L | 3 | M | 5S + 45S rDNA colocalized sites in the distal region of the long arm |
| **8** | **3.9**+ 0.8 | **44.3**+ 3.3 | M | 2 | M | 2 | M |  |
| **9** | **3.9**+ 0.7 | **37.2**+ 3.0 | M - L | 1 | L | 2 | M | 5S rDNA site in the proximal region of the long arma |
| **10** | **3.6**+ 0.6 | **37.9**+ 3.6 | M | - | M - L | 2 | S | 5S rDNA site in thedistal region of the long arm |
| **11** | **3.4**+ 0.4 | **46.8**+ 3.5 | M | 1 | M | 1 | M |  |
| **12** | **3.4**+ 0.5 | **39.8**3.1 | M - L | 1 | L | 1 | M |  |
| **13** | **3.0**+ 0.4 | **39.4**+ 3.4 | M | - | L | 1 | L |  |
| **14** | **2.7**+ 0.3 | **45.3**+ 3.8 | S - M | - | M | 1 | M |  |
| **B** | **1.5**+ 0.4 | **32.3**+ 3.3 | S | - | L | 1 | M - L | multiple 5S + 45S rDNA colocalized sites distributed along the chromosome |

“centromeric index” – the ratio of the length of the short arm of the chromosome to that of the total chromosome; “s.d.” – standart deviation; “S” – small; “M” – middle; “L” – large.

a - in most species exept *L. ucranicum* and some plants of *L. czernjajevii*.