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| **Table S1.**  List of camelina doubled haploid lines numbers and their parents in the crosses | | | | | |
|  | (♀) | | (♂) | | DH lines numbers |
| Cross N. | Cultivar | Origin | Cultivar | Origin |  |
| 1 | Voronezskij 349 | Russia | Kirgizskij 1 | Kyrgyzstan | 1, 2, 5, 37, 51, 62, 77, 86, 87, 93 |
| 2 | Omskij Mestnyj | Russia | Irkutskij Mestnyj | Irkutsk Region | 3, 6, 9, 32, 43, 60, 79 |
| 3 | Przybrodzka | Poland | Hoga | Denmark | 7, 14, 104 |
| 4 | Saratouskij | Russia | Bronowska | Poland | 24, 40, 96, 115 |
| 5 | Chulymskij | Russia | Omskij Mestnyj | Russia | 25, 41, 42, 68 |
| 6 | Krupnosemjannyj | Russia | Brzybrodzka II | Poland | 26, 78 |
| 7 | Came | Germany | Volynskaja | Former Soviet Union | 69, 76, 98 |
| 8 | Boha | Denmark | Volynskaja | Poland | 23, 97 |
| 9 | Came | Germany | Omskij | Former Soviet Union | 4, 35, 82, 88, 94, 95, 100 |
| 10 | Svalöf | Sweden | Ukrajinskij | Former Soviet Union | 27, 28, 50, 52, 56, 103, 105 |
| 11 | Calena | Germany | Blaine Greek | Greece | 15, 36, 80, 83, 84, 101 |
| 12 | Zavolzskij | Former Soviet Union | Sortandinskij | Former Soviet Union | 21, 44, 45, 59, 67, 81, 102 |
| 13 | VNIIMK17 | Former Soviet Union | Borowska | Poland | 57, 74, 75, 85 |
| 14 | Voronezh349 | Former Soviet Union | Czestochowska | Poland | 10, 16, 54, 55, 61, 109 |
| 15 | Lindo | Germany | Ukrajinskaja | Former Soviet Union | 12, 13, 33, 53, 64, 65, 72, 92, 107 |