

Table 1 Suppl. Frequency [%] of chromosomes in fractions sorted from individual sort regions in wheat cv. Chinese Spring. Mean values from three repetitions. Frequencies below 1 % were not considered. Contaminations other than those caused by neighbouring chromosomes are predominantly chromatids (mostly in peaks I and II) or chromosome/chromatid clumps (peaks III and IV).

| Chromosome | Chromosome peak  |    |    |                   |    |    |    |    |    |                    |    |    |    |    |    |    |    |    |    |    |    |
|------------|------------------|----|----|-------------------|----|----|----|----|----|--------------------|----|----|----|----|----|----|----|----|----|----|----|
|            | I<br>Sort region |    |    | II<br>Sort region |    |    |    |    |    | III<br>Sort region |    |    |    |    |    |    |    |    |    |    | IV |
|            | a                | b  | c  | a                 | b  | c  | d  | e  | f  | a                  | b  | c  | d  | e  | f  | g  | h  | i  | j  | k  |    |
| 1A         |                  |    |    | 5                 | 18 | 28 | 2  | 1  |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 1B         |                  |    |    |                   |    |    |    |    | 1  | 5                  | 16 | 17 | 24 | 10 | 6  | 3  | 1  | 1  | 1  |    |    |
| 1D         | 42               | 36 | 18 |                   |    |    |    |    |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 2A         |                  |    |    |                   |    |    |    |    |    |                    |    |    |    | 1  | 1  | 17 | 23 | 38 | 30 | 14 |    |
| 2B         |                  |    |    |                   |    |    |    |    |    |                    |    |    |    |    |    |    | 3  | 7  | 48 | 80 | 2  |
| 2D         |                  |    |    | 8                 | 9  | 9  | 12 | 38 | 25 |                    |    |    |    |    |    |    |    |    |    |    |    |
| 3A         |                  |    |    |                   |    |    |    |    |    |                    |    | 8  | 12 | 21 | 17 | 15 | 9  | 3  |    |    | 94 |
| 3B         |                  |    |    |                   |    |    |    |    |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 3D         |                  |    |    | 5                 | 15 | 25 | 37 | 20 | 6  |                    |    |    |    |    |    |    |    |    |    |    |    |
| 4A         |                  |    |    |                   |    |    |    |    |    |                    |    |    | 1  | 7  | 17 | 18 | 26 | 10 | 6  | 2  |    |
| 4B         |                  |    |    |                   |    |    |    |    | 11 | 49                 | 43 | 24 | 10 | 3  | 1  |    |    |    |    |    |    |
| 4D         | 6                | 29 | 55 |                   |    |    |    |    |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 5A         |                  |    |    |                   |    |    |    | 2  | 11 | 36                 | 33 | 29 | 9  | 6  |    |    |    |    |    |    |    |
| 5B         |                  |    |    |                   |    |    |    | 3  | 10 | 6                  | 6  | 18 | 26 | 16 | 10 | 1  | 1  | 1  |    |    |    |
| 5D         |                  |    |    | 72                | 38 | 7  | 1  | 1  |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 6A         |                  |    |    | 2                 | 17 | 28 | 28 | 1  |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 6B         |                  |    |    |                   |    |    |    |    |    |                    |    | 1  | 1  | 6  | 18 | 23 | 21 | 21 | 9  | 1  |    |
| 6D         | 37               | 27 | 8  |                   |    |    |    |    |    |                    |    |    |    |    |    |    |    |    |    |    |    |
| 7A         |                  |    |    |                   |    |    |    |    | 1  | 1                  | 1  | 3  | 17 | 29 | 24 | 19 | 8  | 3  | 1  |    |    |
| 7B         |                  |    |    |                   |    |    |    |    |    |                    |    |    |    | 1  | 6  | 4  | 8  | 16 | 5  | 3  |    |
| 7D         |                  |    |    | 1                 |    | 1  | 15 | 26 | 32 | 3                  | 1  |    |    |    |    |    |    |    |    |    |    |
| other      | 15               | 8  | 19 | 7                 | 3  | 2  | 5  | 8  | 3  | 0                  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 4  |

Table 2 Suppl. Frequency [%] of chromosome 4A in fractions sorted from sort regions of composite peak III in three cultivars of bread wheat.

| Cultivar       | Sort region of composite peak III |    |    |    |    |    |    |   |   |
|----------------|-----------------------------------|----|----|----|----|----|----|---|---|
|                | c                                 | d  | e  | f  | g  | h  | i  | j | k |
| Chinese Spring |                                   | 1  | 7  | 17 | 18 | 26 | 10 | 6 | 2 |
| Renan          |                                   |    |    |    | 21 | 28 | 12 |   |   |
| Tähti          | 5                                 | 29 | 20 | 15 |    |    |    |   |   |