

CORRECTION

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Correction: Telomere and subtelomere high polymorphism might contribute to the specificity of homologous recognition and pairing during meiosis in barley in the context of breeding

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Following publication of the original article [1], it was reported that Table 1 was missing grey highlighting and underlining in the text as described in the table caption. Table 1 has been correctly reproduced in this Correction article, and the original article has been updated.

The online version of the original article can be found at <https://doi.org/10.1186/s12864-023-09738-y>.

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1H-S

GTTCCCGCTTCGATCCAAACATTTGAGAACCAG
GGGTCCGGTTATGTGGAACCTGTCAAAAACGCA
GTTTTGCGCTATCCGGCGAGTTAGTAAGGTACT
ACTCACTGATTTTGGTTGCCCTATGATTCGACGT
TTTGGGAACCCCGAGGTCCGATTACGGGGAACCT
GTCAAAA

2H-S

AAAACCTGGCCGAATAGGCCAAAACCTGCGAGTTT
TCATGATTTCCCTTCACCGGACCCCGTGGTTCCG
AAAACGTTTCGATGGCTTTGGGACCCAAAATCGA
TGACTATAGCATACAAAACCTGGCCGGGATAGGCC
AAAACCTGCGAGTTTTCACGAGTTCCCGTAACCTGG
ACCC

3H-S

GGACCCAAAATCAATAAGAAATAGCATATAAAA
CTAGTGAGAATAGGCCAAAATGCGAGTTTTAACG
AGTTTCCCGTAACCGGACCCCGAGGTTCCCGAA
ATGTTTCGATCACAGCGACACAAAATCAGTGAGTA
ATAGCATACAAAACCTGGCTGGAATAGGCCAAAAT
GTGA

4H-S

AATAGTTCGGATCGCAGCGGGAACCAAAAATCAGT
GAGTAATAGCATACAAAAGGGCAAGAATAGACC
AAAACCTGCGAGATTTGACGAGTTCCGCGTAATCG
GACCCCGGTTCCCAAATAGTTCCGATCGCAGCG
TGAACCAAAAATCAGTGACTAATAGCTTCAAAAAT
CGCC

5H-S

CGGCAACCAAAAAGCAGTGAGTAATAGCATACAA
AACTGGCCAAAATAGGCCAAAACCTGCGAGTTTCAT
GAGTTCCACGTAATCGGACCCCGGGTTCCCAAAA
ACGTTCCGACAACAGCGGGACCCAAAATCAGTGA
GTGATAGCATACGAAAACCTGGCCACAATAGACCAA
AAGT

6H-S

GCGGGACCCAAAATCAGTGAGTAATAGCATACA
AAACTGGTCCGAATAGGCCAAAACCTGTGAGTTTT
CACGATTTCCCTTAACCGGGCCCGGGGTTCCC
GAAACGTCGGATCGCAACGGGAACCAAAAATCAA
TGAGTAATAGCATATAAAAACCTGGCCGGAATAGGA
CAAAA

7H-S

CGGGATCAAAAATCACTAAGCAACAGCATATAGA
ACGAGCCAGAATAGGCCAAAACCTGCGAGTTTTGA
CGAGTTCCCTCGTAACCGGACCCCGAGTTCCGGA
AATATTCGGATCACAGCGGGACGAAAAATCAGTG
ACTAATAGCATACAAAACCTGTCCGAAAATAGGCCA
AATCT

1H-L

GACCCAAAATCAGTTACTAATAGCATACAAAACCTGCCATAATAGGC
CAAAAACCTACGAGTTTACGAGTTCCCCCTAACCGAACCTGGGGTT
TCTGAAACGTTCCGGATCGCATCACGACCCAAAATAAGTGACTAATAG
CATACAGAACCTGGCCGGAATAGGCCAAAACCTGCGAGTTT

2H-L

CAAAAACCTAGGGTAGCATGTGTATTTATATTTAGGGGTTAGGGGTTT
TAGGGTTAGGTTTAGGGTTTAGGGTTTAGGGTTGGGGGTTTTAGG
GTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTAGG(TelomericRepeats)₄
97TTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTAGGTTTAGGGTTAG
GGTTTAGGGGTTAGGGTTTAGGGTTTAGGGTTAGGGTTAGGGTTAGGTTTAG
GGTTTGGGA

3H-L

CTTATCTGTAATTGCTAGTGTGCATTTTTAGGGGTTTAGGGTTTAG
GGTTTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGG
TTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGG(TelomericRepeats)₁
919TTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGTTTAG
GGTTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGG
TTAGGGTTT

4H-L

GAACCCTGTGCACGACTATCGAGATGTCGCAAGAAATCAGTGTATTT
GTCGTTTGGGCCACTTTCGTGGGCTATAGTGCACTGTTTTGTGGTCT
TGTGTCGTTTTTGAAGCTCCATGAACCCTTGCACGACTATCGAGAC
GTAAAAAACTCGTTGTTTTATCGTTTCG

5H-L

ACTACTTGGTCCACTCCACCCGTTTCTTTAGGGTTTAGGGGTTTCGGG
TTTTGTTTTGAGGGTTTTTCGGTTTTGTGTAGGGTTTAGGGTTAGGGG
TTTGGGTTTGGGGTTTGGGGTTAGGGTTAGG(TelomericRepeats)₇₂₂
TTAGGGTTTAGGGTTGTAGGGTTTAGGGTTTAGGGTTTAGGGTTTTG
GGTTTGGGTTTAGGGTTTAGGGGTTAGGGTTTAGGGGTTAGGGGTTAGGGG
TTAGGGTTT

6H-L

TACTTCTGGTTGCCGCTCGCATCCAAACGTTTCGGGAACCTCGGGTC
CGGTTACGGGGAACCTCGTCGAAACTCACAATTTGGTCTATTTGCCG
GTTTTGTATGCTATTACTCACTGATTTTGGGTCCCGCTGTATCCGCA
CGTTTCGGGAACCCCGGGTCCGATTAG

7H-L

CCAGGAACGTTCCGGTTCGACGACGACCCAAAATCAGTGACTAATA
GCGTACAAAACCTGGCCGGAATAGGCCAAAACCTGCGACTTTTCACGA
GTTCCGCTAACCGGACCCCGGGTTCCCGAAACGTTCCGATCGTAG
CAGGAACGAAAATCAGTGACAAAATAGCGTACAAAA

Table 1 Sequences of barley (*Hordeum vulgare*) chromosome ends. All 14 chromosomes ends are displayed, including both short and long arms of chromosomes. All sequences are presented on the direction of the sequencing, from the end of the short chromosome arm to the end of the long chromosome arm. Chromosome arms that present telomeric repeats are highlighted in grey. The telomeric sequence of 2 H-L, 3 H-L and 5 H-L chromosome arms is underlined. Sequences were obtained by ENA from EBI (RefSeq MorexV3)

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and pairing during meiosis in barley in the context of breeding. *BMC Genomics*. 2023;24:642. <https://doi.org/10.1186/s12864-023-09738-y>.

References

1. Serrano-León IM, Prieto P, Aguilar M. Telomere and subtelomere high polymorphism might contribute to the specificity of homologous recognition

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