

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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**Correction: BMC Genomics 24, 642 (2023)**  
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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.

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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**

AAAACCTGGCCGGAATAGGCCAAAACCTGCGAGTTT  
TCATGATTTCCCTTCACCCGACCCCGTGGTTCCG  
AAAACGTTTCGATGGCTTTGGGACCCAAAATCGA  
TGACTATAGCATACAAAACCTGGCCGGGATAGGCC  
AAAACCTGCGAGTTTTCACGAGTTCCCGTAACCTGG  
ACCC

**3H-S**

GGACCCAAAATCAATAAGAAATAGCATATAAAA  
CTAGTGAGAAATAGCCAAAATGCGAGTTTTAACG  
AGTTTCCCGTAACCCGACCCGAGGTTCCCGAA  
ATGTTTCGATCACAGCGACACAAAATCAGTGAGTA  
ATAGCATACAAAACCTGGCTGGAATAGGCCAAAAT  
GTGA

**4H-S**

AATAGTTCGGATCGCAGCGGGAACCAAAAATCAGT  
GAGTAATAGCATACAAAAGGGCAAGAATAGACC  
AAAACCTGCGAGATTGACGAGTTCCGCGTAATCG  
GACCCCGGTTCCCAAATAGTTCCGATCGCAGCG  
TGAACCAAAAATCAGTGACTAATAGCTTCAAAAAT  
CGCC

**5H-S**

CGGCAACCAAAAAGCAGTGAGTAATAGCATACAA  
AACTGGCCAAAATAGGCCAAAACCTGCGAGTTTCAT  
GAGTTCCACGTAATCGGACCCCGGGTTCCCAAAA  
ACGTTCCGACAACAGCGGGACCCAAAATCAGTGA  
GTGATAGCATACGAAAACCTGGCCACAATAGACCAA  
AAGT

**6H-S**

GCGGGACCCAAAATCAGTGAGTAATAGCATACA  
AAACTGGTCCGGAATAGGCCAAAACCTGTGAGTTTT  
CACGATTTCCCTTAACCCGGGCCCGGGGTTCCC  
GAAACGTCGGATCGCAACGGGAACCAAAAATCAA  
TGAGTAATAGCATATAAAAACCTGGCCGGAATAGGA  
CAAAA

**7H-S**

CGGGATCCAAAATCACTAAGCAACAGCATATAGA  
ACGAGCCAGAATAGGCCAAAACCTGCGAGTTTTGA  
CGAGTTCCCTCGTAACCCGACCCGAGTTCCGGA  
AATATTCGGATCACAGCGGGACGAAAAATCAGTG  
ACTAATAGCATACAAAACCTGTCCGAAAATAGGCCA  
AATCT

**1H-L**

GACCCAAAATCAGTTACTAATAGCATACAAAACCTGCCATAATAGGC  
CAAAAACCTACGAGTTTACGAGTTCCCCCTAACCGAACCCCTGGGGTT  
TCTGAAACGTTCCGGATCGCATCACGACCCAAAATAAGTGACTAATAG  
CATACAGAACTGGCCGGAATAGGCCAAAACCTGCGAGTTT

**2H-L**

CAAAAACCTAGGGTAGCATGTGTATTTATATTTAGGGGTTAGGGGTTT  
TAGGGTTAGGTTTAGGGTTTAGGGTTTAGGGTTGGGGGTTTTAGG  
GTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTAGG(TelomericRepeats)<sub>4</sub>  
97TTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTAGGTTTAGGGTTAG  
GGTTTAGGGGTTAGGGTTTAGGGTTTAGGGTTAGGGTTAGGGTTAGGTTTAG  
GGTTTGGGA

**3H-L**

CTTATCTGTAATTGCTAGTGTGCATTTTTAGGGGTTTAGGGTTTAG  
GGTTTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGG  
TTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGG(TelomericRepeats)<sub>1</sub>  
919TTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAG  
GGTTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTTAGGGTTAGGG  
TTAGGGTTT

**4H-L**

GAACCCTGTGCACGACTATCGAGATGTCGCAAGAAATCAGTGTATTT  
GTCGTTTGGGCCACTTTCGTGGGCTATAGTGCACTGTTTTGTGGTCT  
TGTGTCGTTTTTGAAGCTCCATGAACCCTTGCACGACTATCGAGAC  
GTAAAAAACTCGTTGTTTTATCGTTTCG

**5H-L**

ACTACTTGGTCCACTCCACCCGTTTCTTTAGGGTTTAGGGGTTTCGGG  
TTTTGTTTTGAGGGTTTTTCGGTTTTGTGTAGGGTTTAGGGTTAGGGG  
TTTGGGTTTGGGTTTTGGGTTTAGGGTTAGG(TelomericRepeats)<sub>722</sub>T  
TTAGGGTTTAGGGTTGTAGGGTTTAGGGTTTAGGGTTTAGGGTTTTG  
GGTTTGGGTTTAGGGTTTAGGGGTTAGGGTTTAGGGGTTAGGGGTTAGGGG  
TTAGGGTTT

**6H-L**

TACTTCTGGTTGCCGCTCGCATCCAAACGTTTCGGGAACCTCGGGTC  
CGGTTACGGGGAACCTCGTCGAAACTCACAATTTGGTCTATTTGCCG  
GTTTTGTATGCTATTACTCACTGATTTGGGTCCCGCTGTATCCGCA  
CGTTTCGGGAACCCCGGGTCCGATTAG

**7H-L**

CCAGGAACGTTCCGGTTCGACGACGACCCAAAATCAGTGACTAATA  
GCGTACAAAACCTGGCCGGAATAGGCCAAAACCTGCGACTTTTCACGA  
GTTCCGCTAACCCGACCCCGGGTTCCCGAAACGTTCCGATCGTAG  
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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