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Disulphide structure of high-molecular-weight (HMW-) gliadins as affected by terminators

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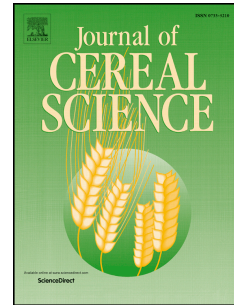
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1 **Disulphide Structure of High-Molecular-Weight (HMW-)**

2 **Gliadins as Affected by Terminators**

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11 **Keywords:** Disulphide bonds, HMW-gliadins, Polymerisation, Terminators, Wheat flour

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13 **Abbreviations used:** CID, collision-induced dissociation; EIC, extracted ion chromatogram;
14 ESI, electrospray ionisation; ETD, electron transfer dissociation; GP-, gel-permeation; GPC,
15 gel-permeation chromatography; GS, glutenin subunit; HGL-0, high-molecular-weight
16 gliadins extracted without alkylating reagent; HGL-N, high-molecular-weight gliadins
17 extracted in the presence of N-ethylmaleinimide; HMW, high-molecular-weight; HPLC, high-
18 performance liquid chromatography; LC, liquid chromatography; LMW, low-molecular-
19 weight; MRM, multiple reaction monitoring; MS, mass spectrometry; NEMI, N-
20 ethylmaleinimide; RP, reversed-phase; RT, room temperature; SS-, disulphide; TCEP, tris(2-
21 carboxethyl)phosphine; TFA, trifluoroacetic acid; TRIS, tris(hydroxymethyl)-aminoethane.

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