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Title: Amino acid profiles of nine seaweed species and their *in situ* degradability in dairy cows

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1 **Amino acid profiles of nine seaweed species and their *in situ* degradability in dairy cows**

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7 Graphical abstract

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Abbreviations: AA, amino acid; CP, crude protein; DM, dry matter; NDF, neutral detergent fiber; N, nitrogen; TAA, total amino acid; EAA, essential amino acid; NEAA, non-essential amino acid; SAA, sulfur amino acid; BCAA, branched chain amino acid; Alanine: Ala; Arginine: Arg; Aspartic acid: Asp; Cysteine: Cys; Glutamic acid: Glu; Glycine: Gly; Histidine: His; Isoleucine: Ile; Leucine: Leu; Lysine: Lys; Methionine: Met; Phenylalanine: Phe; Proline: Pro; Serine: Ser; Threonine: Thr; Valine: Val.

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