

POLYPEPTIDE FOR HYDROLYTIC CLEAVAGE OF ZEARALENONE AND/OR ZEARALENONE DERIVATIVES, ISOLATED POLYNUCLEOTIDE THEREOF AS WELL AS A POLYPEPTIDE CONTAINING AN ADDITIVE, USE OF SAME AS WELL AS A PROCESS

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The invention relates to a polypeptide for the hydrolytic cleavage of zearalenone and/or at least one zearalenone derivative, said polypeptide being a hydrolase having an amino acid sequence selected from the group consisting of SEQ ID NO: 1-15 or a functional variant thereof, wherein the sequence of the functional variant is at least 40% identical to at least one of the amino acid sequences. The invention also relates to: an additive containing the polypeptide; an isolated polynucleotide that encodes the polypeptide; and a method for the hydrolytic cleavage of zearalenone and/or of at least one zearalenone derivative using the polypeptide.

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15 Figure 3A