

**Supplementary Table 1.** Typical chemical and amino acid composition of Pepton as reported by the manufacturer.

<b>Pepton</b>	
<b>Chemical composition</b>	
Total organic matter, %	79.0
Total nitrogen, %	13.0
Organic nitrogen, %	12.0
Ammonia nitrogen, %	1.0
Ratio Carbon/Nitrogen	3.8
Potassium oxide (K <sub>2</sub> O), %	4.0
Phosphorous (P <sub>2</sub> O <sub>5</sub> ), %	0.3
Calcium, ppm	300
Magnesium, ppm	500
Iron, ppm	3000
<b>Amino acid composition</b>	
Alanine, %	6.90
Arginine, %	3.22
Aspartic acid, %	9.93
Cysteine	<0.1
Glutamic acid, %	7.25
Glycine, %	4.06
Histidine, %	6.34
Isoleucine, %	0.15
Leucine, %	10.99
Lysine, %	7.19
Methionine, %	0.71
Phenylalanine, %	5.93
Proline, %	2.84
Serine, %	3.88
Threonine, %	2.47
Tryptophan, %	1.25
Tyrosine, %	1.92
Valine, %	6.79
Total amino acids, %	84.83
Free amino acids, %	16.52