Nutritional regulation of keratinolytic activity in *Bacillus pumilis*

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The headings of the first two columns in both Table 1 and Table 2 were incorrect in the original publication. The corrected Tables 1 and 2 are shown on the following page.

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Table 1 Specific activity of keratinolytic protease of *Bacillus pumilis* F3-4 in the presence of feather and different combinations of nutrients after 7 days

Treatment	Cell growth (c.f.u. $\times 10^{-9}$ /ml)	Soluble protein (mg/ml)	Specific activity (U/mg)	Keratin degradation (%)	SH group (μ M)
Feather	5.6	1.2	11.9 $\pm$ 0.9	76 $\pm$ 1.2	2.41 $\pm$ 0.07
Feather + glucose	19	1.4	14.6 $\pm$ 0.8	74 $\pm$ 2.1	2.34 $\pm$ 0.03
Feather + NH ₄ Cl	6	0.7	6.8 $\pm$ 0.3	48 $\pm$ 3.1	1.01 $\pm$ 0.06
Feather + MgSO ₄ $\cdot$ 7H ₂ O	7.5	1.3	16.7 $\pm$ 0.5	80 $\pm$ 1.2	2.67 $\pm$ 0.04
Feather + glucose + NH ₄ Cl	6.4	0.5	7.8 $\pm$ 0.5	48 $\pm$ 3.5	0.81 $\pm$ 0.06
Feather + glucose + + MgSO ₄ $\cdot$ 7H ₂ O	6.7	1.6	18.8 $\pm$ 0.3	82 $\pm$ 1.0	2.62 $\pm$ 0.02
Feather + NH ₄ Cl + + MgSO ₄ $\cdot$ 7H ₂ O	6.2	0.7	7.4 $\pm$ 0.4	52 $\pm$ 1.5	1.01 $\pm$ 0.03
Feather + glucose + NH ₄ Cl + MgSO ₄ $\cdot$ 7H ₂ O	6.5	1.4	12.1 $\pm$ 0.6	77 $\pm$ 1.5	2.22 $\pm$ 0.03
Glucose + NH ₄ Cl + + MgSO ₄ $\cdot$ 7H ₂ O	9	0.8	9.4 $\pm$ 0.4	–	–

Values are expressed as mean $\pm$ SEM of three independent experiments

Table 2 Effect of keratinaceous substrates on specific activity of keratinolytic protease of *Bacillus pumilis* F3-4 after 7 days

Treatment	Cell growth (c.f.u. $\times 10^{-9}$ /ml)	Soluble protein (mg/ml)	Specific activity (U/mg)	Keratin degradation (%)
Chicken feather	5.6	1.2	11.2 $\pm$ 0.4	75 $\pm$ 1.6
Duck feather	6	1.5	8.8 $\pm$ 0.3	81 $\pm$ 1.2
Feather meal	10	1.8	17.5 $\pm$ 0.2	97 $\pm$ 0.6
Human nail	3.8	0.6	2.2 $\pm$ 0.6	15 $\pm$ 1.5
Human hair	4	0.4	8.4 $\pm$ 0.2	9 $\pm$ 1.7
Sheep wool	3.9	0.4	9.3 $\pm$ 0.2	10 $\pm$ 1.5

Values are expressed as mean $\pm$ SEM of three independent experiments