

Corrigendum

Gitzinger M., Parsons J., Reski R. and Fussenegger M. (2009) Functional cross-kingdom conservation of mammalian and moss (*Physcomitrella patens*) transcription, translation and secretion machineries.

In 'Table 1: Expression levels of mammalian reporter constructs in *Physcomitrella patens*', the unit for the 'Expression level (supernatant)' in line 6 for the construct 'P_{CaMV35S}-AMY-pA (pMG67)', should be $\mu\text{mol/s}^*L$.

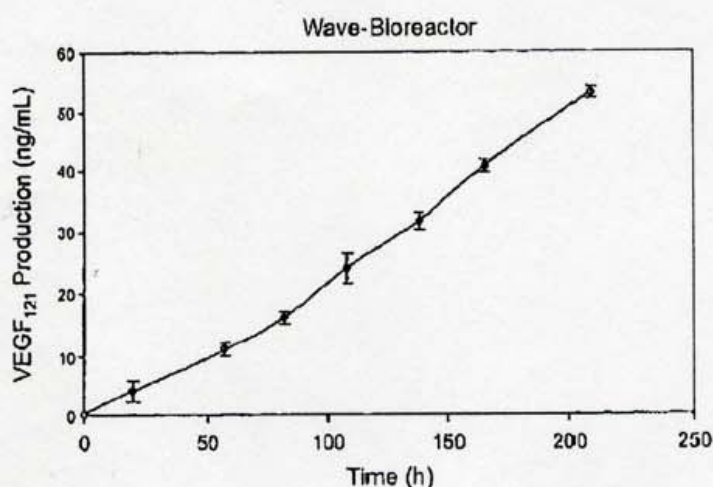
Table 1: Expression levels of mammalian reporter constructs in *Physcomitrella patens*

Expression vector	Expression level (supernatant)	Expression level (intra-cellular)
P _{GTX} -SEAP-pA (pSH17)	0.36 ± 0.02 $\mu\text{g/L}$	0.06 ± 0.007 $\mu\text{g/L}$
P _{CaMV35S} -SEAP-pA (pMG65)	1.02 ± 0.09 $\mu\text{g/L}$	0.19 ± 0.01 $\mu\text{g/L}$
P _{GTX} -SAMY-pA (pSH102)	9.0 ± 0.54 $\mu\text{mol/s}^*L$	2.1 ± 0.02 $\mu\text{mol/s}^*L$
P _{CaMV35S} -SAMY-pA (pMG66)	18.6 ± 2.3 $\mu\text{mol/s}^*L$	4.1 ± 0.3 $\mu\text{mol/s}^*L$
P _{GTX} -AMY-pA (pMG60)	1.65 ± 0.05 $\mu\text{mol/s}^*L$	6.73 ± 0.34 $\mu\text{mol/s}^*L$
P _{CaMV35S} -AMY-pA (pMG67)	2.5 ± 0.1 $\mu\text{mol/s}^*L$	13.2 ± 1.23 $\mu\text{mol/s}^*L$
P _{GTX} -VEGF ₁₂₁ -pA (pSH100)	4.0 ± 0.1 ng/mL	0.42 ± 0.07 ng/mL
P _{CaMV35S} -VEGF ₁₂₁ -pA (pMG68)	13.5 ± 0.5 ng/mL	1.1 ± 0.1 ng/mL
P _{GTX} -EPO-pA (pMG61)	48 ± 10.6 mU/mL	5.2 ± 0.9 mU/mL
P _{CaMV35S} -EPO-pA (pMG69)	159 ± 8.1 mU/mL	22 ± 0.95 mU/mL

Abbreviations: AMY, *Bacillus stearothermophilus*-derived α -amylase; EPO, human erythropoietin; P_{CaMV35S}, cauliflower mosaic virus promoter 35S; P_{GTX}, synthetic promoter derived from the GTX homeodomain protein; SAMY, *Bacillus stearothermophilus*-derived secreted α -amylase; SEAP, human placental secreted alkaline phosphatase; VEGF₁₂₁, human vascular endothelial growth factor 121.

In the section 'VEGF₁₂₁-based biopharmaceutical manufacturing using microencapsulated moss protoplasts', the units of VEGF₁₂₁ production were incorrect. Thus the third sentence in the second paragraph should be 'VEGF₁₂₁ production reached 53 $\mu\text{g/L}$ in a 9-day process, which compares well with forefront bioprocesses using moss protonema.'

In Figure 5(c), the units of the y-axis should be (ng/mL).



The authors apologize for these errors.

Reference

Gitzinger M., Parsons J., Reski R. and Fussenegger M. (2009) Functional cross-kingdom conservation of mammalian and moss (*Physcomitrella patens*) transcription, translation and secretion machineries. *Plant Biotechnol. J.* 7, 73–86