

Corrigendum

Corrigendum to “Characterization of a novel aphid prenyltransferase displaying dual geranyl/farnesyl diphosphate synthase activity” [FEBS Lett. 582 (2008) 1928–1934][☆]

Sophie Vandermoten^{a,*}, Benoit Charletoaux^b, Sébastien Santini^b, Stephanie E. Sen^c,
Catherine Béliveau^d, Micheline Vandenberg^e, Frédéric Francis^a, Robert Brasseur^b,
Michel Cusson^d, Éric Haubruge^a

^a Gembloux Agricultural University, Department of Functional and Evolutionary Entomology, Passage des Déportés 2, B-5030 Gembloux, Belgium

^b Gembloux Agricultural University, Center of Numerical Molecular Biophysics, Passage des Déportés 2, B-5030 Gembloux, Belgium

^c Department of Chemistry, Indiana University–Purdue University at Indianapolis (IUPUI), 402 North Blackford Street, Indianapolis, IN 46202, USA

^d Natural Resources Canada, Canadian Forest Service, Laurentian Forestry Centre, 1055 Rue du PEPS, Québec, Québec, Canada G1V4C7

^e Gembloux Agricultural University, Department of Animal and Microbial Biology, Passage des Déportés 2, B-5030 Gembloux, Belgium

Available online 6 June 2008

An unfortunate error occurred in the legend of Fig. 5. The figure and corrected legend are given below.

	A	BC	D		E		F	G	
<i>Gallus gallus</i> ¹	107	ELFQFFFLVADDI--MD	121	141	DAIN-DSFLLESSVYRV	156	176	QTAYQT--ELGQMLD	188
<i>Homo sapiens</i> ²	159	ELLQAFFLVADDI--MD	173	193	DAIN-DANLLEACIYRL	208	228	QSSYQT--ETGQTLD	240
<i>Rattus rattus</i> ³	93	ELLQAFFLVLDI--MD	107	127	DAIN-DALLLEAAIYRL	142	162	QSSYQT--ETGQTLD	174
<i>Caenorhabditis elegans</i> ⁴	89	EIIQSFYLLIADDI--MD	103	123	SAIN-DAFIMDSFVEDI	138	158	KSKQKT--LIGQFLD	170
<i>Trypanosoma cruzi</i> ⁵	88	EFLQAHYLVEDDI--MD	102	122	QCAINDGIILKSWTQIM	138	158	KVDYAT--AVGQMYD	170
<i>Saccharomyces cerevisiae</i> ⁶	90	ELLQAFYFLVADDM--MD	104	124	IAIN-DAFMLEAAIYKL	139	159	EVTFQT--ELGQMLD	171
<i>Arabidopsis thaliana</i> ⁷	83	EFLQAFYFLVLDI--MD	97	117	IAIN-DGILLRNHIHRI	132	152	EVEFQT--ACGQIMD	164
<i>Escherichia coli</i> ⁸	74	ECIHAYSLIHDDLFPMD	90	110	AILA-GDALQTLAFSIL	125	147	SASGIAGMCGGQALD	161
<i>Bacillus stearothermophilus</i> ⁹	76	EMLHTYSLIHDDLPSMD	92	112	AILA-GDGLLTYAFQLI	127	149	KAGPEGVVAGQAAD	163
<i>Myzus persicae</i> IPPS1 ¹⁰	101	EILQAYQLVLDI--MD	115	135	MAVN-DGVLLLEQAIYQL	150	170	DVTMKT--AMGQCLD	182
<i>Myzus persicae</i> IPPS2 ¹¹	135	EILQAYQLVMDL--MD	149	169	MAVN-DGILLEQAIYQL	184	204	DVTMKS--AMGQCLD	216
<i>Acyrtosiphon pisum</i> ¹²	101	EILQAYQLVLDI--MD	115	135	MAVN-DGVLLLEQAIYQL	150	170	DVTMKT--AMGQCLD	182
<i>Aphis fabae</i> ¹³	101	EILQAYQLVLDI--MD	115	135	MAVN-DGILLEQTIYQL	150	170	DVTMKT--SMGQCLD	182
<i>Megoura viciae</i> ¹⁴	101	EILQAYQLVLDI--MD	115	135	MAVN-DGILLEQTIYQL	150	170	DVAMKT--AMGQCLD	182
<i>Drosophila melanogaster</i> ¹⁵	161	EMLG-FFIISDDV--MD	174	194	TAIN-DALMIENAMYAI	209	229	EITVYIT--TGGQSLD	241
<i>Anopheles gambiae</i> ¹⁶	186	EMLHSMFLIMDDV--MD	200	220	SGVN-DAIMIEAAIAHL	235	255	EMKFKIT--TIGQSLD	267
<i>Apis mellifera</i> ¹⁷	92	EIMQAFHMLDDI--LD	106	124	GAIN-DGLILETCIYKL	139	159	KVSYNTKPAHGECLD	173
<i>Dendroctonus jeffreyi</i> ¹⁸	168	EMVHAYVLLLDI--MD	182	202	TAVN-DAVMIENAVYLL	217	237	EGNLKT--TLGQSLD	249
<i>Ips pini</i> ¹⁹	174	EMLHTYFLIILDDI--ID	188	208	TAVY-DAVMMENGVYLL	223	243	DMALKT--SLGQSLD	255
<i>Choristoneura fumiferana</i> (FPPS1) ²⁰	168	EMFHTHQLLLNDI--ME	182	202	SSIN-DAIILVQSAMYST	217	237	EMLLKC--STGQFLE	249
<i>Choristoneura fumiferana</i> (FPPS2) ²¹	137	EILQGFVLMDDI--MD	151	171	AAVN-DSILMFSSIFYV	186	206	ESLMHT--SIGQHLD	218
<i>Ips pini</i> (GPPS) ²²	147	EILQAYFELDDI--MD	161	181	NAVTV-DVCLMEMFTFEL	196	216	NLLEFLT--HMGQGYD	228

Fig. 5. Sequence alignment of aphid IPPSs (including MpIPPS) with FPPS from different organisms and *Ips pini* GPPS. Only the regions that include the seven positions with residues that are candidates for a role in the product selectivity of the aphid enzyme are presented. These residues are highlighted in black and designated “A” to “G” at the top of the alignment. Sequence sources: (1) P08836; (2) AAH10004; (3) NP_114028; (4) NP_493027; (5) AAK71861; (6) P08524; (7) AAB07248; (8) ZP_01700053; (9) Q08291; (10) AY968586; (11) EU447786; (12) AY968585; (13) AY968583; (14) AY968584; (15) AAD27853; (16) XP_308653; (17) XP_396224; (18) AY966009; (19) AY953507; (20) AY954920; (21) AY954919; (22) AAX55632.

[☆] DOI of original article: 10.1016/j.febslet.2008.04.043

*Corresponding author. Fax: +32 0 81 622 312.
E-mail address: entomologie@fsagx.ac.be (S. Vandermoten).