Molecular phylogenies and mating study data in *Polyporus* with special emphasis on group “Melanopus” (Basidiomycota)

Dirk Krüger · Ronald H. Petersen · Karen W. Hughes

Published online: 16 February 2007
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While the HTML version of this article is correct, the PDF and the print versions show errors, for which we sincerely apologize.

On page 188 in the fourth paragraph of “Materials and methods”, the fifth sentence must read:

Bayesian analysis was done using MrBayes3 (Ronquist and Huelsenbeck 2003) with a MrBayes block initially

written by using Rod Page’s script (was at <http://darwin.zoology.gla.ac.uk/~rpage/mrbayes>).

On page 197, in “Sequence analyses focused on Melanopus”, the seventh sentence in the second paragraph must read:

Both LSU and ITS consensus trees were also subjected to the program Supertree (Salamini et al. 2002) to generate a supertree matrix [matrix representation parsimony (MRP)], which, in turn, was used for a UPGMA jackknife analysis (jackknife search=upgma pctdelete=25 nreps=100 conlevel=75).

On page 204, in “Discussion”, the second entry in the list after the 12th paragraph must read:

1* Generative hyphae with clamp connections; pores usually less than 6/mm; carpophores up to 10 cm in diameter, thin to robust (2 cm)–2

On page 204, in the “Acknowledgements” section, the third sentence must read:

Colleagues at the herbaria and culture collections Central bureau voor Schimmelcultures (CBS), Centro de Investigación y Extensión Forestal Andino Patagónico (CIE-FAP), Department of Agriculture, Ottawa-Mycology (DAOM), Deutsche Sammlung von Mikroorganismen und Zellkulturen (DSMZ), Botanical Museum, Oslo (O), V.L. Komarov Botanical Institute, St. Petersburg (LE), and Sektion. Beilogie Univ. Greifswald-Myzelpilze (SBUG-M) are thanked for sending material, and numerous colleagues are further thanked for spore prints and specimens, especially Dr. Larry Grand, Dr. H. Voglmayr, and Dr. Mario Rajchenberg. Dr. David Hibbett is thanked for a DNA extraction.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11557-006-0512-y>.

D. Krüger
Department of Bacteriology, University of Wisconsin,
420 Henry Mall,
Madison, WI 53706, USA

D. Krüger
Department of Plant Pathology, University of Wisconsin,
1630 Linden Dr.,
Madison, WI 53706, USA

R. H. Petersen · K. W. Hughes
Department of Ecology and Evolutionary Biology,
University of Tennessee,
1416 Circle Drive,
Knoxville, TN 37996, USA

D. Krüger (✉)
Department of Soil Science, University of Wisconsin,
1525 Observatory Drive,
Madison, WI 53706, USA
e-mail: dirkkrueger@wisc.edu

The size of the first part of Fig. 10 was not correct. The correct figure is given below:

Fig. 10 Alignment of the ITS2 P1 through P2 area of rDNA used for the Fig. 9 analyses. Loop-forming nucleotides are boxed (lighter box P-number of zero = high support resulting in loop in rRNA). On top, the nucleotide information (entropy) content of this alignment is given

On Page 190, in the second column of Table 1, several changes are necessary. The corrected table follows below:

Table 1 Fungal specimens and cultures investigated

Strain numbers and/or herbarium voucher numbers if known	Fungal species and authors	Country of origin	Names of collectors and identifiers	GenBank number
FB10177 SBI 1 (TENN57707)	<i>D. mollis</i> (Sommerf.: Fr.) Donk	Denmark: Storstrøms Amt	RHP	AF516557
DSH90.36	<i>P. alveolaris</i> (DC.: Fr.) Bond. and Sing.		D. Hibbett	AB070828
FB10929 SBI 1 (TENN58412)	<i>P. arcularius</i> Batsch: Fr.	USA: Tennessee	H. Voglmayr	AB070867
FB10830 (TENN58379)	<i>P. badius</i> (Pers.) Schwein.	USA: Indiana	DK	AF516558
FB7925 SBI 6 (TENN54347)	<i>P. badius</i> (Pers.) Schwein.	USA: North Carolina	J. Cifuentes	AF516559
FB5085 (TENN59136) hseq	<i>P. badius</i> (Pers.) Schwein.	USA: Tennessee	RHP	AF516544
FB8856 (TENN55477)	<i>P. badius</i> (Pers.) Schwein.	USA: Georgia	I. Krisai-Greilhuber	–
X: FB11421 (TENN59126)	<i>P. badius</i> (Pers.) Schwein.	USA: Kentucky	DK and M. Fischer	–
FB11501 (TENN59385) hseq	<i>P. dictyopus</i> Mont.	Belize	E. Lickey	AF516561
FB11241 SBI 1 (TENN 58930)	<i>P. dictyopus</i> Mont.	Paraguay: Alto Paraná	RHP and O. Popoff	AF516562
FB11259 (TENN59068)	<i>P. gramocephalus</i> Berk.	Paraguay: Alto Paraná	RHP	AF516563
FB11288 SBI 1 (TENN59093)	<i>P. guianensis</i> Mont.	Argentina: Misiones	E. Albertó	AF516564
FB10064 (TENN57630)	<i>P. guianensis</i> Mont.	Costa Rica: Puntarenas	J. L. Mata, R. Halling and RHP	AF516565
FB10921 SBI 8=Ryv42383 (TENN58404)	<i>P. guianensis</i> Mont.	Venezuela: Bolivar	T. Iturriaga and L. Ryvarden	AF516566
FB10489 SBI 10 (TENN58597)	<i>P. lepreurii</i> Mont.	Costa Rica: Puntarenas	J. L. Mata and RHP	AF516567
CIEFAP148=MR10701	<i>P. melanopus</i> (Schwartz) Fr.	Argentina: Chubut	M. Rajchenberg	AF516569
CIEFAP57=MN78=MR10472	<i>P. melanopus</i> (Schwartz) Fr.	Argentina: Chubut	M. Rajchenberg	AF516568
X: FB11465 (TENN59326)	<i>P. melanopus</i> (Schwartz) Fr.	Austria: Nieder-österreich	H. Voglmayr	–
X: DAOM138015	<i>P. melanopus</i> (Schwartz) Fr.	Canada: Ontario	J. Ginns	–
X: Ryv27120 (O)	<i>P. melanopus</i> (Schwartz) Fr.	Estonia: Pärnu	L. Ryvarden	–
X: O70124=Gulden 90/94	<i>P. melanopus</i> (Schwartz) Fr.	Norway: Aust-Agder	G. Gulden	–
X: Ryv22005 (O)	<i>P. melanopus</i> (Schwartz) Fr.	Norway: Oppland	L. Ryvarden	–
X: L. F. Grand 519 (NCSC)	<i>P. melanopus</i> (Schwartz) Fr.	USA: Idaho	L. F. Grand as <i>P. picipes</i> , rev. L. Ryvarden	–
X: FB9940 (TENN56753)	<i>P. melanopus</i> (Schwartz) Fr.	USA: Idaho	KWH	–
FB9562 (TENN56475)	<i>P. melanopus</i> (Schwartz) Fr.	USA: North Carolina	RHP	–
MN677 (O) hseq	<i>P. mikawai</i> C.G. Lloyd	China: Wuyi	M. Nuñez	AF516570
FB10298=Thorn567=Kotiranta6472 (culture)	<i>P. pseudobetulinus</i> (Murashk. ex Pilát) Thorn, Kotir. and Niemelä	Finland: Tervola	H. Kotiranta	AF516571
Psurtseva50 SBI 1 (TENN59384)	<i>P. squamosus</i> (Huds.) Fr.	Russia: Belgorod Region	N. Psurtseva	AF516572
FB11420 (TENN59125)	<i>P. squamosus</i> (Huds.) Fr.	USA: Michigan	E. Grand	AF516573
FB9579 SBI 1 (TENN56491)	<i>P. tricholoma</i> Mont.	USA: Puerto Rico	RHP	AF516553
O63528 hseq	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	Norway: Akershus	R. Anderaa, det. L. Ryvarden	AF511443
FB6961 SBI 2 (TENN55881)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	UK: Scotland	RHP as <i>P. varius</i> , rev. D. Krüger, teste L. Ryvarden	AF511439
FB6971 SBI 1 (TENN55889)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	UK: Scotland	RHP, det. A. Henrici as <i>P. varius</i> , rev. D. Krüger, teste L. Ryvarden	AF511437
FB6973 SBI 1 (TENN55891)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	UK: Scotland	RHP as <i>P. varius</i> , rev. D. Krüger, teste L. Ryvarden	AF511438

Table 1 (continued)

Strain numbers and/or herbarium voucher numbers if known	Fungal species and authors	Country of origin	Names of collectors and identifiers	GenBank number
FB8093 SBI 1 (TENN55417)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	USA: California	RHP	AF511442
FB9042 (TENN55689)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	USA: California	KWH	SBI 1: AF511440 Dikaryon: AF511441
X: Ryv21376 (O)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	China: Jilin	L. Ryvarden	–
X: DK0546 (TENN58056)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	Germany: Mecklenburg-Vorp.	H. Ehlert and DK as <i>P. badius</i>	–
X: Ryv42621 (O)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	Norway: Sogn og Fjordane	L. Ryvarden	–
X: L. F. Grand 24 (NCSC)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	USA: Idaho	L. F. Grand as <i>P. elegans</i> or <i>P. picipes</i> , det DK, teste L. Ryvarden	–
X: L. F. Grand 725 (NCSC)	<i>P. tubaeformis</i> (Karst.) Gilbn. and Ryv.	USA: North Carolina	L. F. Grand as <i>P. picipes</i> , rev. DK, teste L. Ryvarden.	–
Fischer17=5079 (TENN59130)	<i>P. umbellatus</i> Fr.	USA: Tennessee	M. Fischer	–
SBUG-M1215 (culture only) (GFW-Kreisel)	<i>P. varius</i> Fr.	Germany: Mecklenburg-Vorp.	DK	AF516574
FB10513 (TENN57743) (culture)	<i>P. varius</i> Fr.	Germany: Sachsen-Anhalt	DK	AF516575
FB10807 (TENN58216), fruited on sawdust: TENN58501 (<i>Fagus</i>), TENN58502 (<i>Acer</i>) TENN58503 (<i>Betula</i>)	<i>P. varius</i> Fr.	Russia: Leningrad Region	S. Pelchuzhina	AF516576
FB10550 (TENN58172) hseq	<i>P. varius</i> Fr.	USA: North Carolina	DK	AF516578
FB10580 (TENN58194)	<i>P. varius</i> Fr.	USA: North Carolina	S. Redhead	AF516577
FB7922 (TENN54333)	<i>P. varius</i> Fr.	USA: Tennessee	RHP	AF516579
FB10962 SBI 19 (TENN58587)	<i>P. varius</i> Fr.	USA: Vermont	DK	AF516580
X: O63529	<i>P. varius</i> Fr.	Norway: Telemark	leg. C. M. Whist, det. M. Nuñez	–
X: L. F. Grand 1070 (NCSC)	<i>P. varius</i> Fr.	USA: North Carolina	L. F. Grand	–
X: FB11465 (TENN59326)	<i>P. varius</i> Fr.	Austria: Nieder-österreich	H. Voglmayr	–
FB10969 (no specimen)	<i>P. varius</i> Fr.	Austria: Wien	H. Voglmayr	–
X: FB10963 (TENN58534)	<i>P. varius</i> Fr.	Austria: Wien	T. Barta	–
X: FB10939 (TENN58534)	<i>P. varius</i> Fr.	Canada: British Columbia	DK	–
FB10594=REG97-713B	<i>P. varius</i> Fr.	Germany: Bayern	M. Binder, M. Fischer, M. Jarosch and T. Wagner	–
FB10598A=REG97-713C	<i>P. varius</i> Fr.	Germany: Bayern	M. Binder, M. Fischer, M. Jarosch and T. Wagner	–
X: DK0526 (TENN58055)	<i>P. varius</i> Fr.	Germany: Brandenburg	DK	–
FB8703 (TENN55133)	<i>P. varius</i> Fr.	Mexico: Tlaxcala	RHP	–
X: FB8869 (TENN55489)	<i>P. varius</i> Fr.	Russia: Krasnodar Region	RHP	–
X: FB3865A (TENN55840)	<i>P. varius</i> Fr.	UK: Scotland	RHP	–
X: FB6972 (TENN55890)	<i>P. varius</i> Fr.	UK: Scotland	RHP	–
FB10340 (TENN57901)	<i>P. varius</i> Fr.	USA: North Carolina	KWH and RHP	–
FB10579 (TENN58193)	<i>P. varius</i> Fr.	USA: North Carolina	DK	–
FB10948 (TENN58574)	<i>P. varius</i> Fr.	USA: North Carolina	E. Grand	–

Table 1 (continued)

Strain numbers and/or herbarium voucher numbers if known	Fungal species and authors	Country of origin	Names of collectors and identifiers	GenBank number
FB9559 (TENN56472)	<i>P. varius</i> Fr.	USA: North Carolina	KWH and RHP	—
X: FB10590 (TENN58204)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
X: FB10591 (TENN58205)	<i>P. varius</i> Fr.	USA: North Carolina	DK and A. Sime	—
X: FB10546 (TENN58168)	<i>P. varius</i> Fr.	USA: North Carolina	A. Sime	—
X: FB10551 (TENN58173)	<i>P. varius</i> Fr.	USA: North Carolina	N. Psurtseva	—
X: FB10552 (TENN58174)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
X: FB10573 (TENN58187)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
X: FB10574 (TENN58188)	<i>P. varius</i> Fr.	USA: North Carolina	S. Redhead	—
X: FB10577 (TENN58191)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
X: FB10944 (TENN58571)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
X: FB10945 (TENN58572)	<i>P. varius</i> Fr.	USA: North Carolina	A. Euliss	—
X: FB10946 (TENN58573)	<i>P. varius</i> Fr.	USA: North Carolina	A. Kovalenko	—
X: FB10949 (TENN58575)	<i>P. varius</i> Fr.	USA: North Carolina	DK	—
FB9572 (TENN56485)	<i>P. varius</i> Fr.	USA: Puerto Rico	E. Lickey	—
FB10564 (TENN58059)	<i>P. varius</i> Fr.	USA: South Carolina	N. Psurtseva	—
FB9158 (TENN55926)	<i>P. varius</i> Fr.	USA: Tennessee	RHP	—
X: FB10943 (TENN58538)	<i>P. varius</i> Fr.	USA: Tennessee	KWH	—
X: FB10967 (TENN58830)	<i>P. varius</i> Fr.	USA: West Virginia	A. Kovalenko	—
FB10955 (TENN58568)	<i>P. varius</i> Fr.	USA: Kentucky	E. Lickey and J. Shaw	—
FB11219 (TENN58908) (culture)	<i>P. virgatus</i> Berk. and Curt.	Argentina: Misiones	E. Albertó	AF516581
FB11406 SBI 1 (TENN59111)	<i>P. virgatus</i> Berk. and Curt.	Argentina: Misiones	E. Albertó	AF516582
FB11530 (TENN59412)	<i>P. cf. virgatus</i> Berk. and Curt.	Belize	E. Lickey	AF516560