

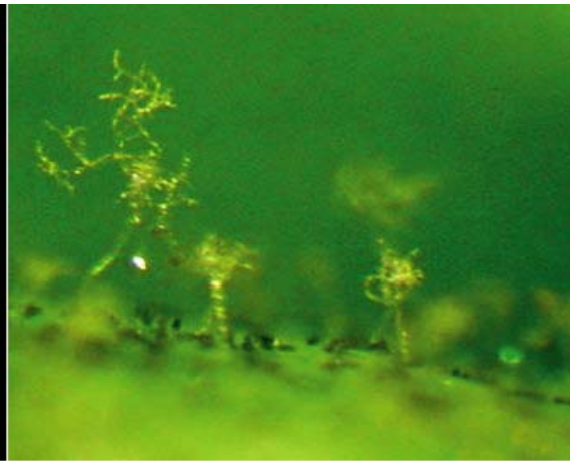


Nouvelles épidémies à *Peronospora* (mildiou)

**sur les Lamiacées aromatiques et
ornementales**

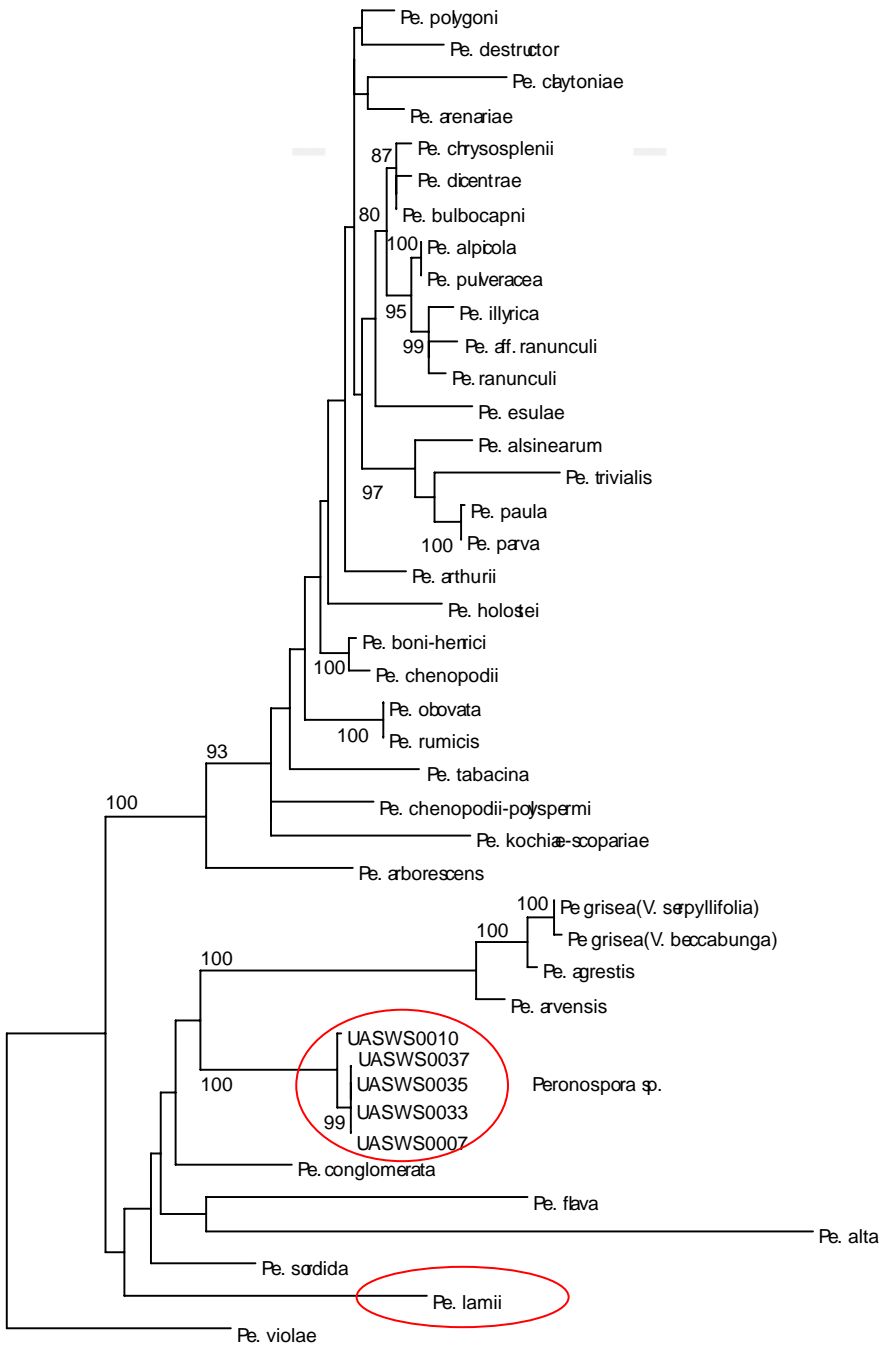
Gautier Calmin, François Lefort, **Lassaad Belbahri**

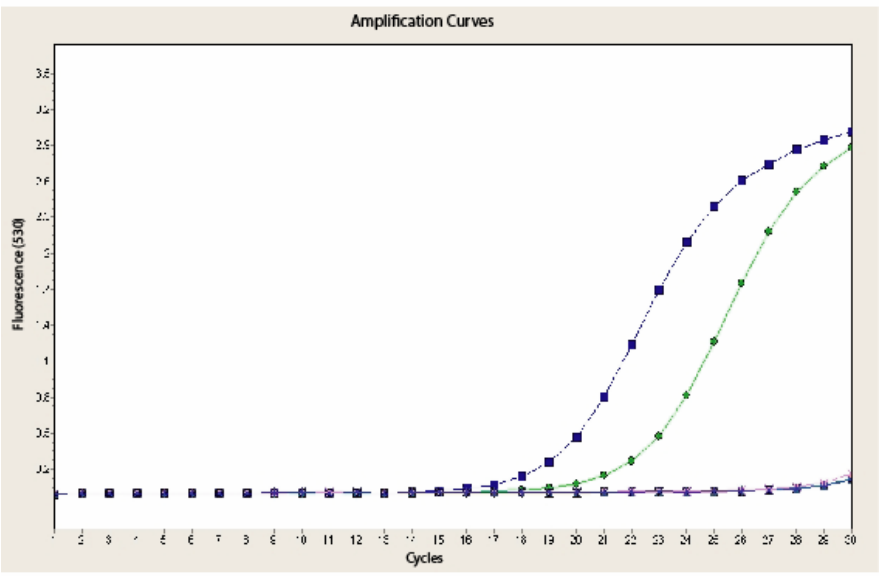
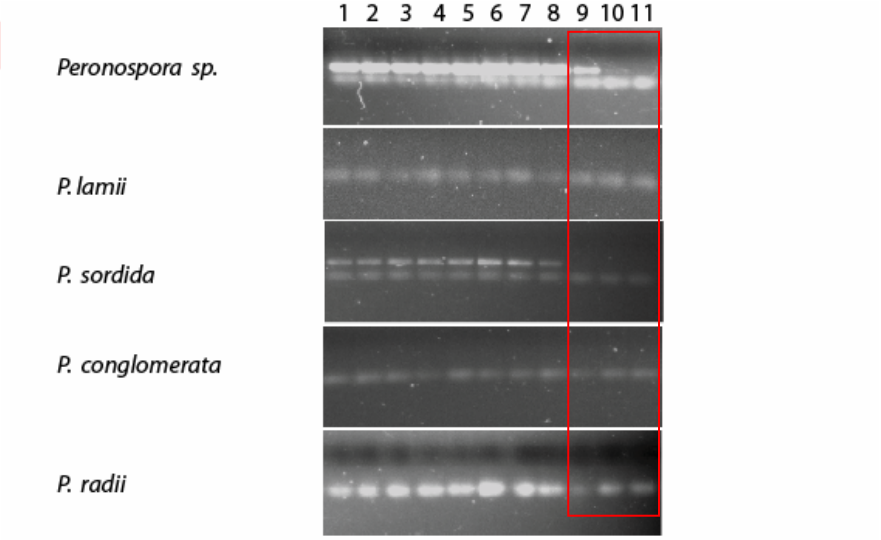


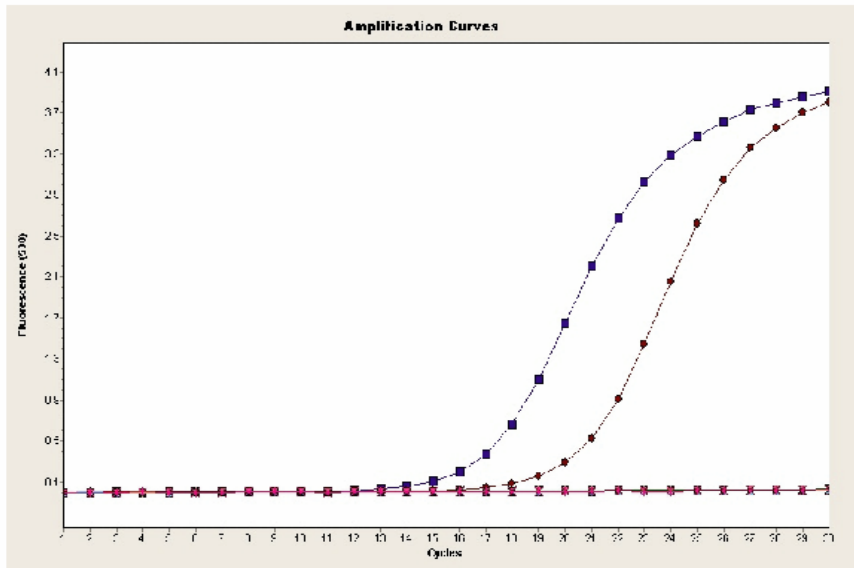
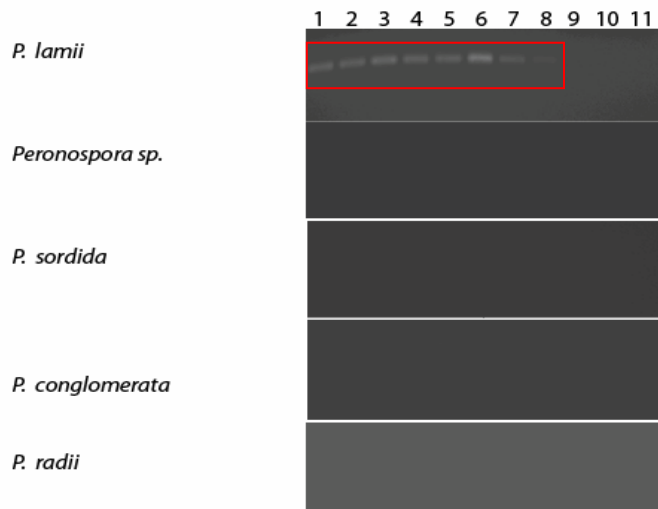


Conidia dimensions of downy mildew species recorded on *Ocimum basilicum* and *Salvia* spp.

Collection	Length			Width			Host	Reference
	min.	mean	max.	min.	mean	max.		
UASWS0007	25.6	29.54	36.9	18.3	23.76	29.2	<i>Ocimum basilicum</i>	<i>This study</i>
UASWS0009	23.7	28.81	33.7	19.8	23.38	27.4	<i>Ocimum basilicum</i>	<i>This study</i>
<i>Peronospora</i> sp.	20	28	35	15	22	25	<i>Ocimum basilicum</i>	Garibaldi et al. (2004)
<i>Peronospora lamii</i>	23	25.3	27.6	15	21	26.9	<i>Ocimum basilicum</i>	Martini et al. (2004)
<i>Peronospora lamii</i>	16	21	26	15	18	23	<i>Salvia splendens</i>	Holcomb (2000)
							<i>Salvia coccinea</i>	
<i>Peronospora lamii</i>	20	21	22	16	17	18	<i>Salvia lanceolata</i>	Hansford (1933)

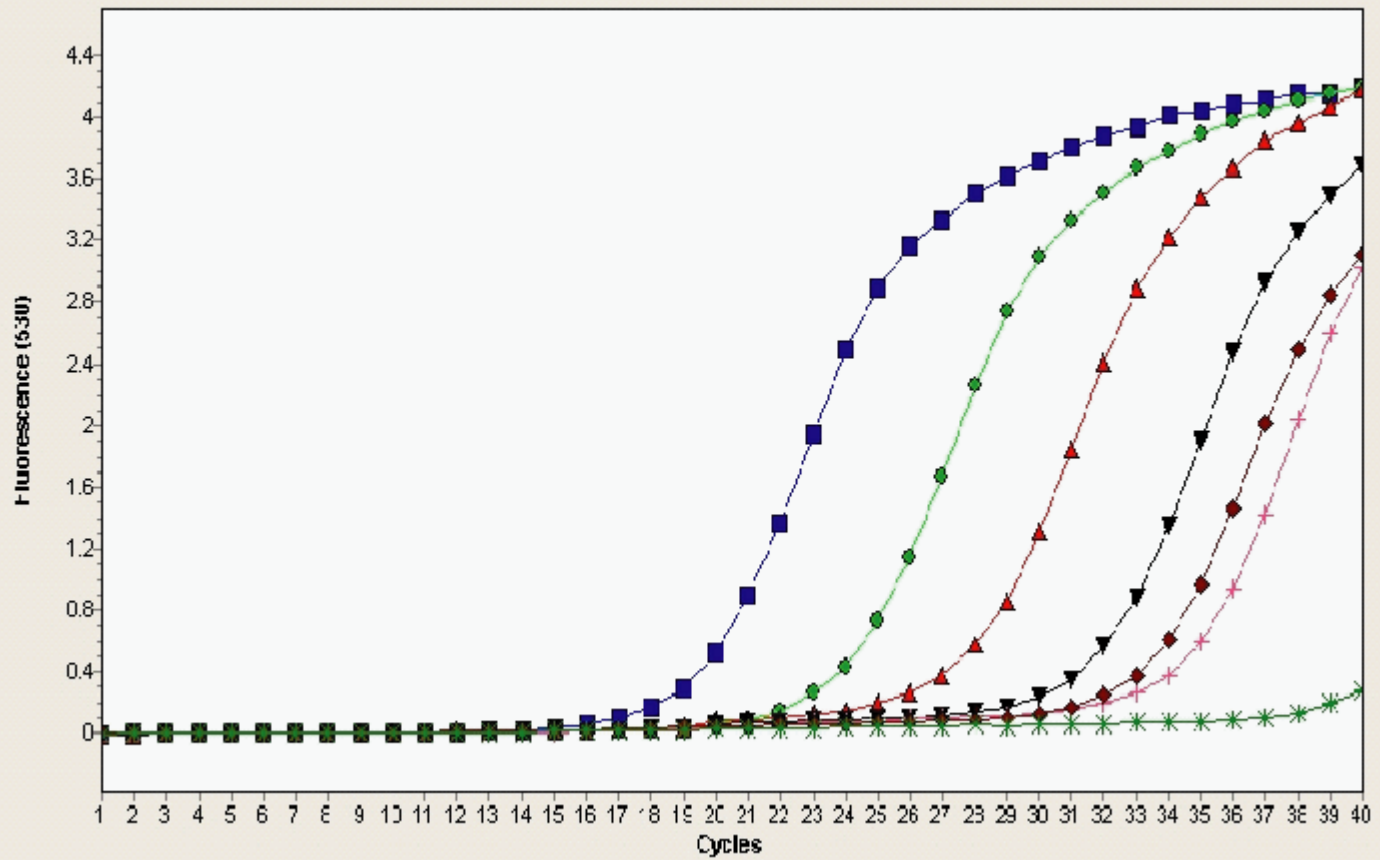








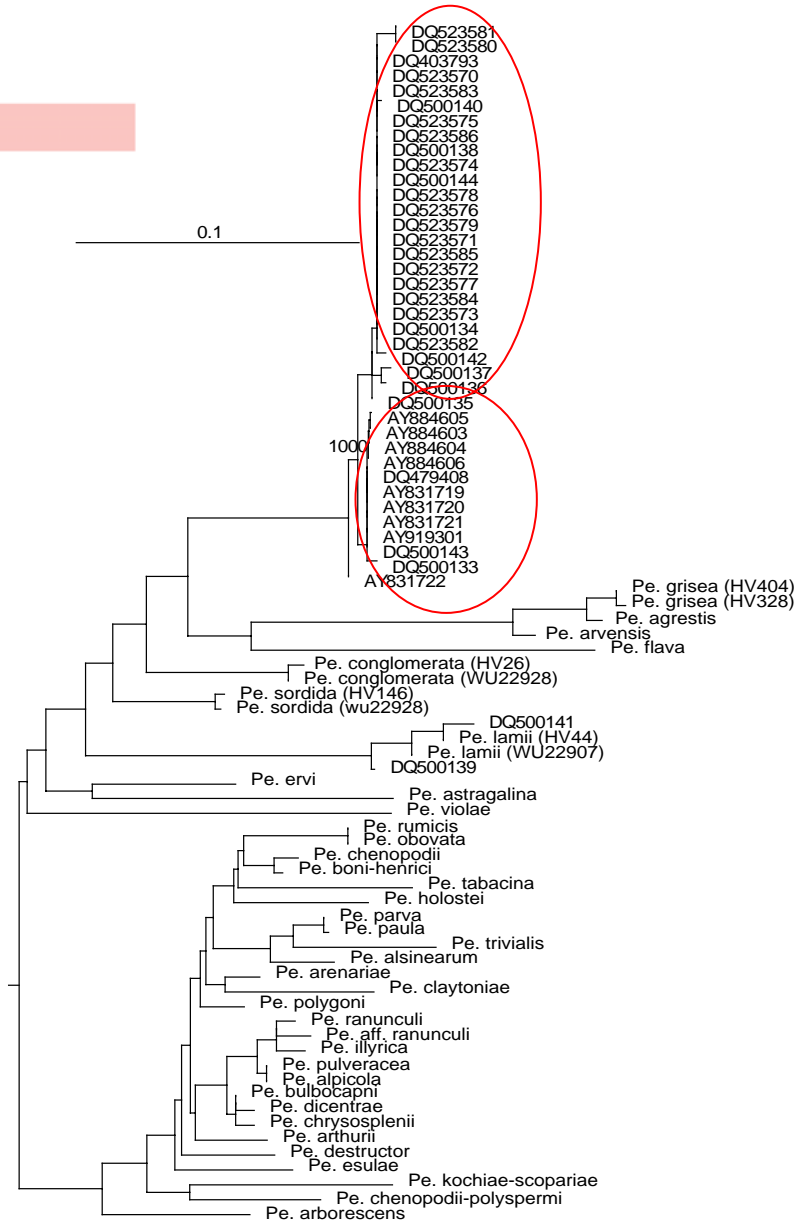
Amplification Curves





List of species and specimens included in the study

Species	Collection	Host	Origin	Source year	GenBank accession no.
<i>Peronospora</i> sp.	UASWS0007	<i>Ocimum basilicum</i>	Geneva, CH	2003	AY831719
<i>Peronospora</i> sp.	UASWS0008	<i>Ocimum basilicum</i>	Geneva, CH	2003	AY831720
<i>Peronospora</i> sp.	UASWS0009	<i>Ocimum basilicum</i>	Geneva, CH	2004	AY831721
<i>Peronospora</i> sp.	UASWS0033	<i>Ocimum basilicum</i>	Geneva, CH	2004	AY884603
<i>Peronospora</i> sp.	UASWS0034	<i>Ocimum basilicum</i>	Geneva, CH	2004	AY884604
<i>Peronospora</i> sp.	UASWS0035	<i>Ocimum basilicum</i>	Geneva, CH	2004	AY884605
<i>Peronospora</i> sp.	UASWS0036	<i>Ocimum basilicum</i>	Geneva, CH	2004	AY884606
<i>Peronospora</i> sp.	UASWS0037	<i>Ocimum basilicum</i>	Italy	2005	AY919301
<i>Peronospora</i> sp.	AM-2006	<i>Ocimum basilicum</i>	South Africa	2006	DQ479408
<i>Peronospora</i> sp.	UASWS0236	<i>Ocimum basilicum</i>	Switzerland	2006	DQ500133
<i>Peronospora</i> sp.	UASWS0239	<i>Ocimum basilicum</i>	Switzerland	2006	DQ500136
<i>Peronospora</i> sp.	S4	<i>Ocimum basilicum</i>	Iran	2006	EF153666
<i>Peronospora</i> sp.	S6	<i>Ocimum basilicum</i>	Iran	2006	EF153667
<i>Peronospora</i> sp.	S7	<i>Ocimum basilicum</i>	Iran	2006	EF153668
<i>Peronospora</i> sp.	S6-2	<i>Ocimum basilicum</i>	Iran	2006	EF153669
<i>Peronospora</i> sp.	S7-2	<i>Ocimum basilicum</i>	Iran	2006	EF153670
<i>Peronospora</i> sp.	UASWS0258	<i>Salvia officinalis</i>	Switzerland	2006	DQ500135
<i>Peronospora</i> sp.	UASWS0010	<i>Salvia officinalis</i>	New Zealand	2003	AY831722
<i>Peronospora</i> sp.	UASWS0229	<i>Solenostemon scutellarioides</i>	New-York, USA	2006	DQ403793
<i>Peronospora</i> sp.	UASWS0237	<i>Solenostemon scutellarioides</i>	New-York, USA	2006	DQ500143
<i>Peronospora</i> sp.	UASWS0238	<i>Solenostemon scutellarioides</i>	New-York, USA	2006	DQ500135
<i>Peronospora</i> sp.	UASWS0240	<i>Solenostemon scutellarioides</i>	New-York, USA	2006	DQ500137
<i>Peronospora</i> sp.	UASWS0241	<i>Solenostemon scutellarioides</i>	New-York, USA	2006	DQ500138
<i>Peronospora</i> sp.	UASWS0242	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523570
<i>Peronospora</i> sp.	UASWS0243	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523571
<i>Peronospora</i> sp.	UASWS0244	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523572
<i>Peronospora</i> sp.	UASWS0245	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523573
<i>Peronospora</i> sp.	UASWS0246	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523574
<i>Peronospora</i> sp.	UASWS0247	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523575
<i>Peronospora</i> sp.	UASWS0248	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523576
<i>Peronospora</i> sp.	UASWS0249	<i>Solenostemon scutellarioides</i>	Brasil and Costa Rica	2006	DQ523577
<i>Peronospora</i> sp.	UASWS0250	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523578
<i>Peronospora</i> sp.	UASWS0251	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523579
<i>Peronospora</i> sp.	UASWS0252	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523580
<i>Peronospora</i> sp.	UASWS0253	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523581
<i>Peronospora</i> sp.	UASWS0254	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523582
<i>Peronospora</i> sp.	UASWS0255	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523583
<i>Peronospora</i> sp.	UASWS0256	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523584
<i>Peronospora</i> sp.	UASWS0257	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523586
<i>Peronospora</i> sp.	UFC0651	<i>Solenostemon scutellarioides</i>	Florida, USA	2006	DQ980194
<i>Peronospora</i> sp.	UASWS0257	<i>Solenostemon scutellarioides</i>	Louisiana, USA	2006	DQ523585
<i>Peronospora lamii</i> A. Braun	079401,55 (BR)	<i>Lamium amplexicaule</i> , leaves	Unknown	1939	DQ500140
<i>Peronospora lamii</i> A. Braun	079405,59 (BR)	<i>Stachys palustris</i> , leaves	Sachsen, Germany	1903	DQ500142
<i>Peronospora lamii</i> A. Braun	079409,63 (BR)	<i>Teucrium botrys</i> , leaves	Boemia, Czechoslovakia	1900	DQ500143
<i>Peronospora lamii</i> A. Braun	079413,67 (BR)	Unknown	Seine inférieure, France	1883	DQ500144
<i>Peronospora lamii</i> A. Braun		<i>Lamium purpureum</i>	GenBank		AY198261
<i>Peronospora lamii</i> A. Braun	WUJ22907	<i>Lamium purpureum</i>	Austria	1999	AY919303
<i>Peronospora lamii</i> A. Braun	GLM64112	<i>Lamium maculatum</i>	Germany	2004	DQ500139
<i>Peronospora lamii</i> A. Braun	079403,57	<i>Lamium amplexicaule</i>	Tirolles, Austria	1910	DQ500141





Références

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Lefort F, Gigon V, Amos B, 2003. Le mildiou s'étend. Déjà détecté dans de nombreux pays européens, *Peronospora lamii* responsable du mildiou du basilic, a été observé en Suisse dans la région lémanique. *Réussir Fruits et Légumes* **223**, 66.

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Groupe Plantes et Pathogènes





Merci de votre attention