

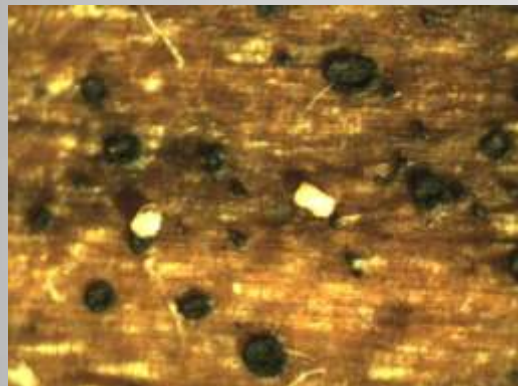
Other Project Updates

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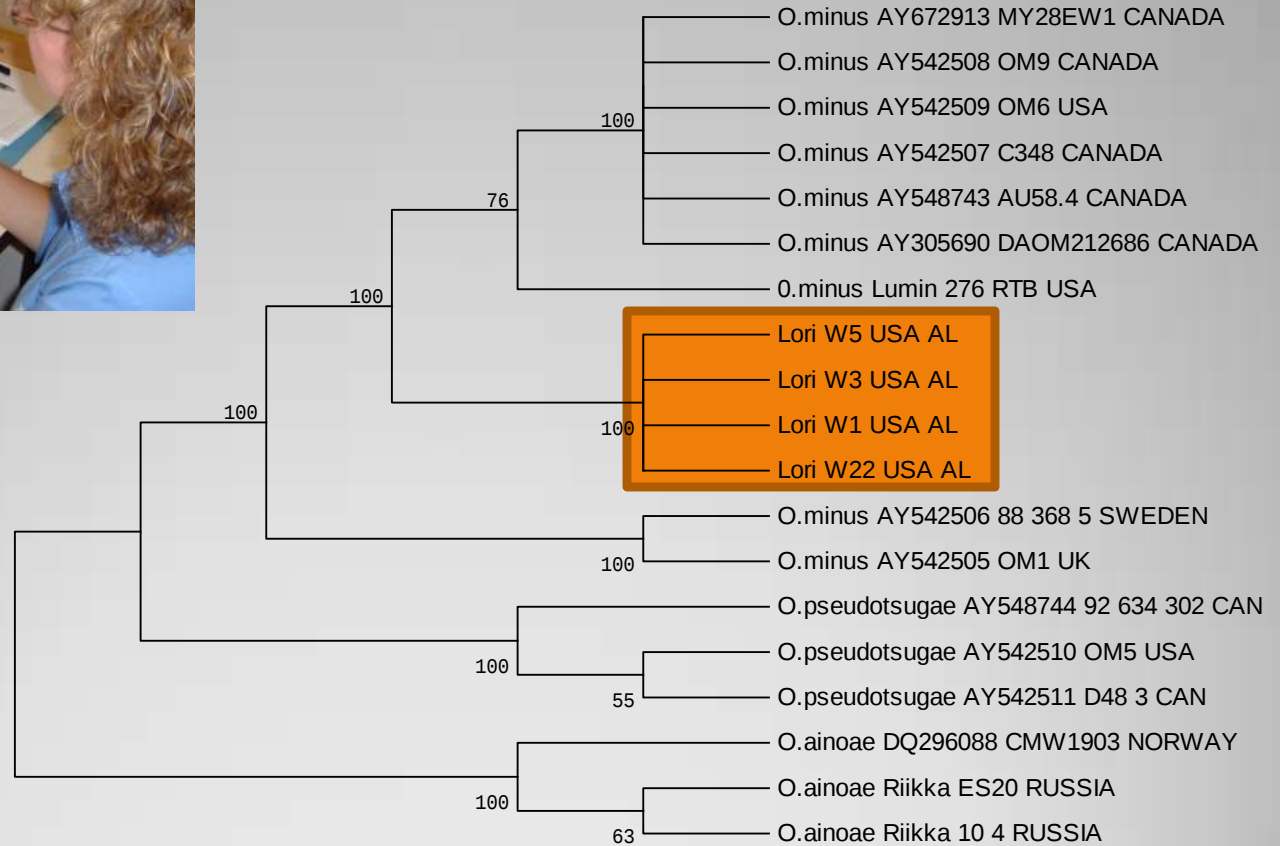
Forest Health Cooperative;
Forest Health Dynamics Laboratory;
Auburn University, Alabama



- *Hylastes* galleries infested with *Ophiostoma* in loblolly pine



**New *Ophiostoma*'s and
Leptographium spp. (GA and AL)**



New *Ophiostoma*'s (AL)



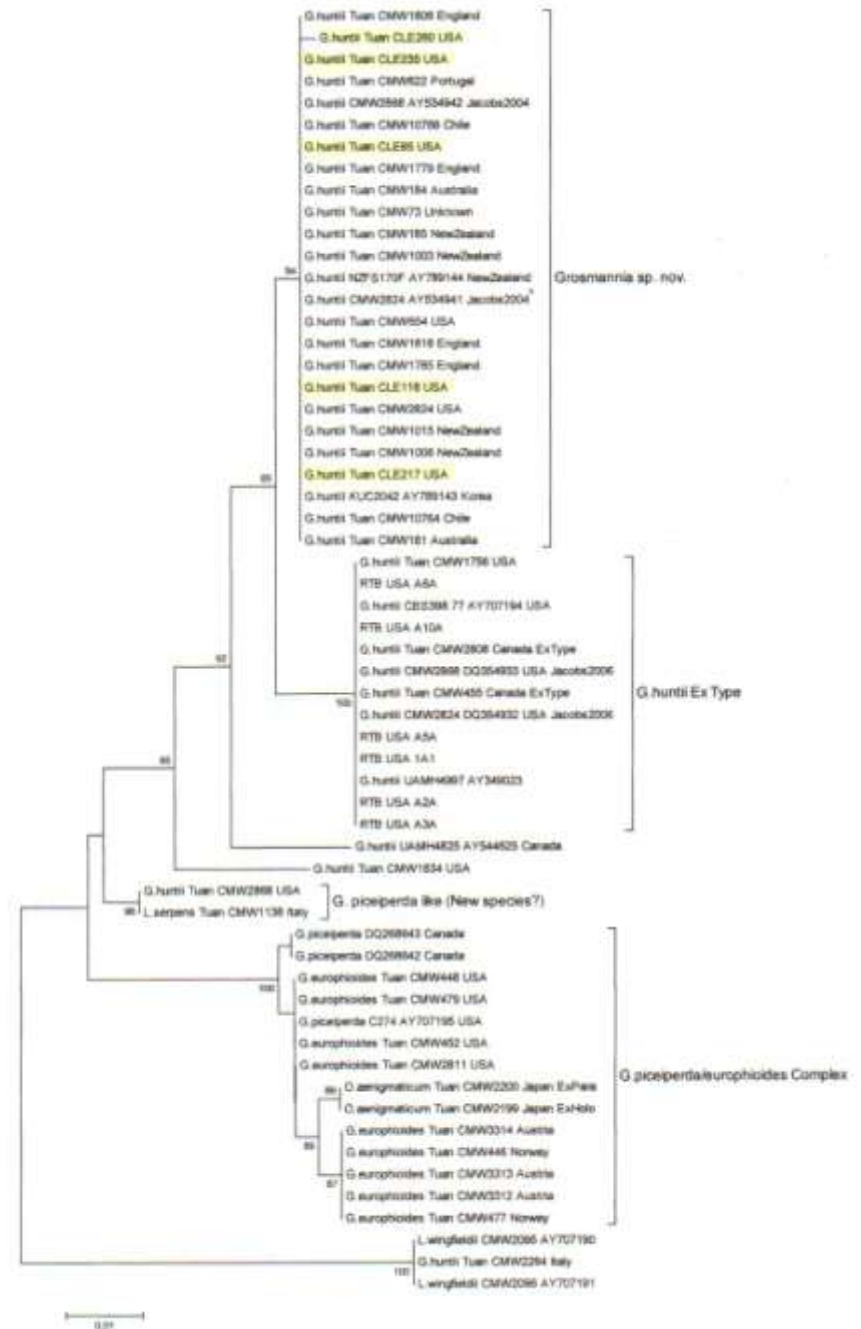


New *Ophiostoma* (GA)



- *L. serpens*
 - Now – *G. alacris*
 - Introduced from Europe
- *G. huntii*
 - New name to come
 - Introduction from ??

Update



- 100 Feral Hogs sampled 2006 and 2010
- Currently sequencing 2010



Feral Hogs and Bluestain Fungi

- Two new species of *Ophiostoma*
 - *Ophiostoma sparsiannulatum*
 - Also isolated from *Hylastes salebrosus*, *H. tenuis*, and *Dendroctonus terebrans*, as well as, root tissue from *P. teada* and *P. palustris*.
 - *Ophiostoma culverii*
 - Also isolated from root tissue from *P. teada* and *P. palustris*.
- *Leptographium procerum*
- Manuscript being prepared

<i>L. procerum</i>	<i>L. sparsiannulatum</i>	<i>L. culverii</i>
48%	51%	67%

Feral Hogs and Bluestain Fungi



O. sparsiannulatum



O. culverii



Feral Hogs and Bluestain Fungi

- Visited 3 stands owned by Rayonier
- Made visits to other members to provide demo of what dogs can accomplish



Timber Dogs and Pine Decline

- Site 1
 - 11 positive hits
 - 10 negative controls
- Site 2
 - 1 positive hit
 - 1 negative control
- Site 3
 - No positive hits
 - 2 negative controls

- Site 1
 - All 11 positive hits were positive for fungi
 - 50 % on the negative controls were positive
- Site 2
 - Positive hit was positive
- Site 3
 - No fungus found

Timber Dogs and Pine Decline



- Treatments underway
- Insect traps to be installed end of summer and collected for 1 year (possible 2 depending on funding)
- Total project funded by United States Forest Service

Biomass Project

- Family Screening Study
 - Species
- Nutrition Study
 - Species
 - Families
- Timber Dogs
 - Trials
 - Management

Project Continuations





Questions?