


[EXTERNAL] FW: updated pdfs

Jerod Merkle <jmerkle@uwyo.edu>

Fri 6/9/2023 9:56 AM

To: Geremia, Chris J <Chris\_Geremia@nps.gov>

 2 attachments (836 KB)

bison\_network\_diads.pdf; bison\_network\_grazingareas.pdf;

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

---

**From:** Jerod Merkle

**Sent:** Friday, December 21, 2018 1:19 PM

**To:** Geremia, Chris <chris\_geremia@nps.gov>

**Subject:** updated pdfs

\*\*\*\*\*

Jerod A. Merkle

Assistant Professor

Knobloch Professor of Migration Ecology and Conservation

Department of Zoology and Physiology

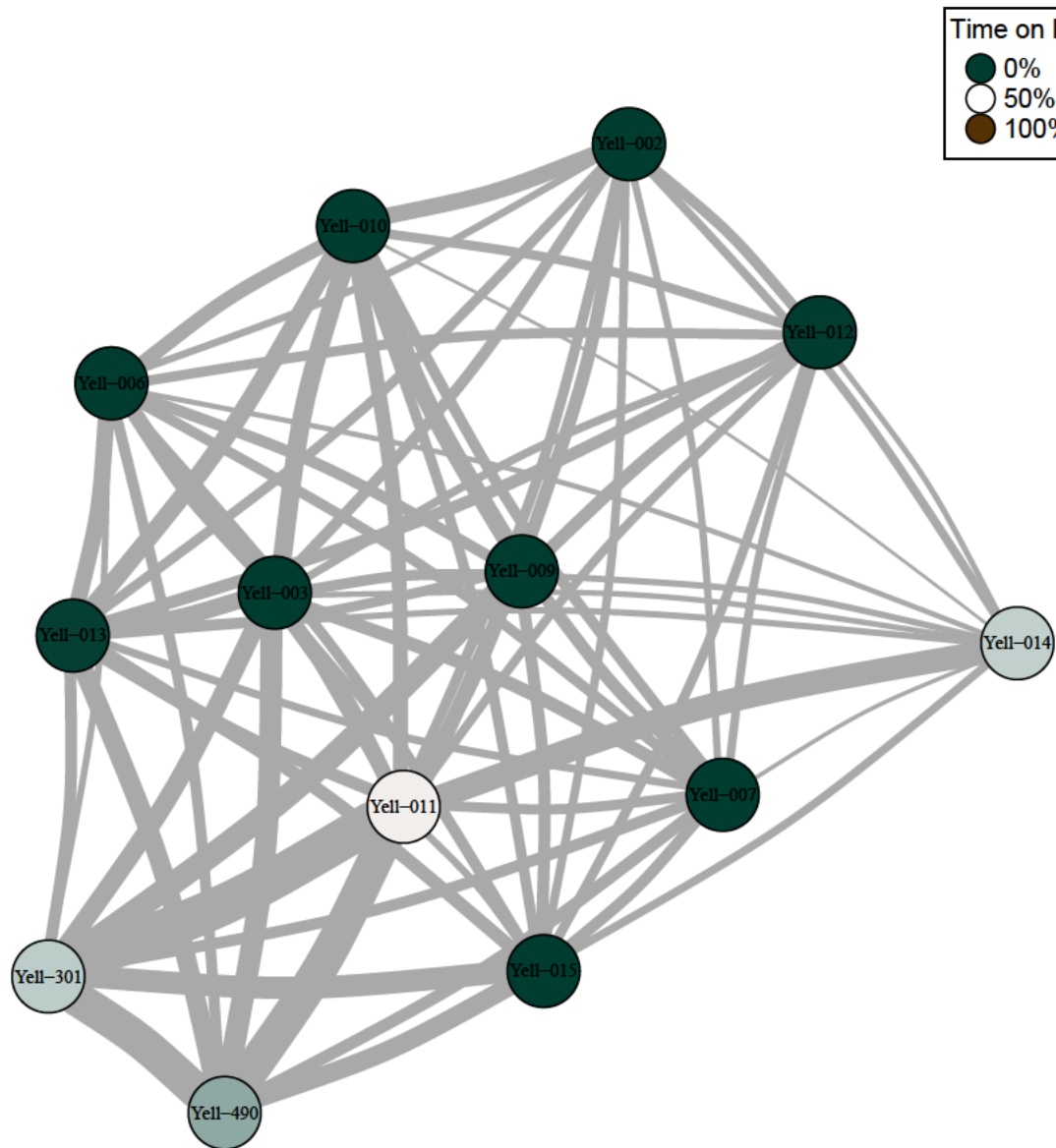
University of Wyoming

307-766-5448

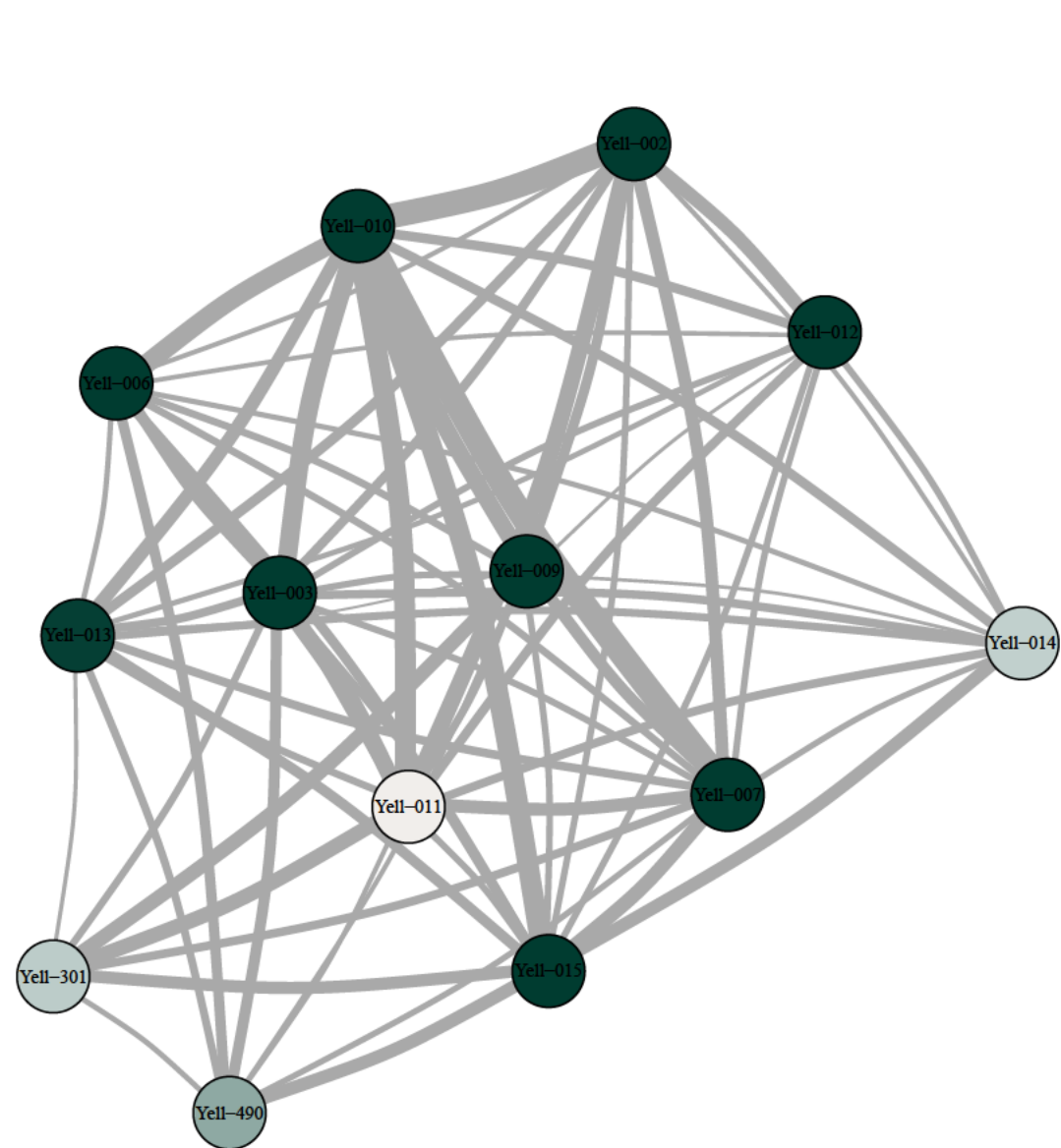
[jmerkle@uwyo.edu](mailto:jmerkle@uwyo.edu)

\*\*\*\*\*

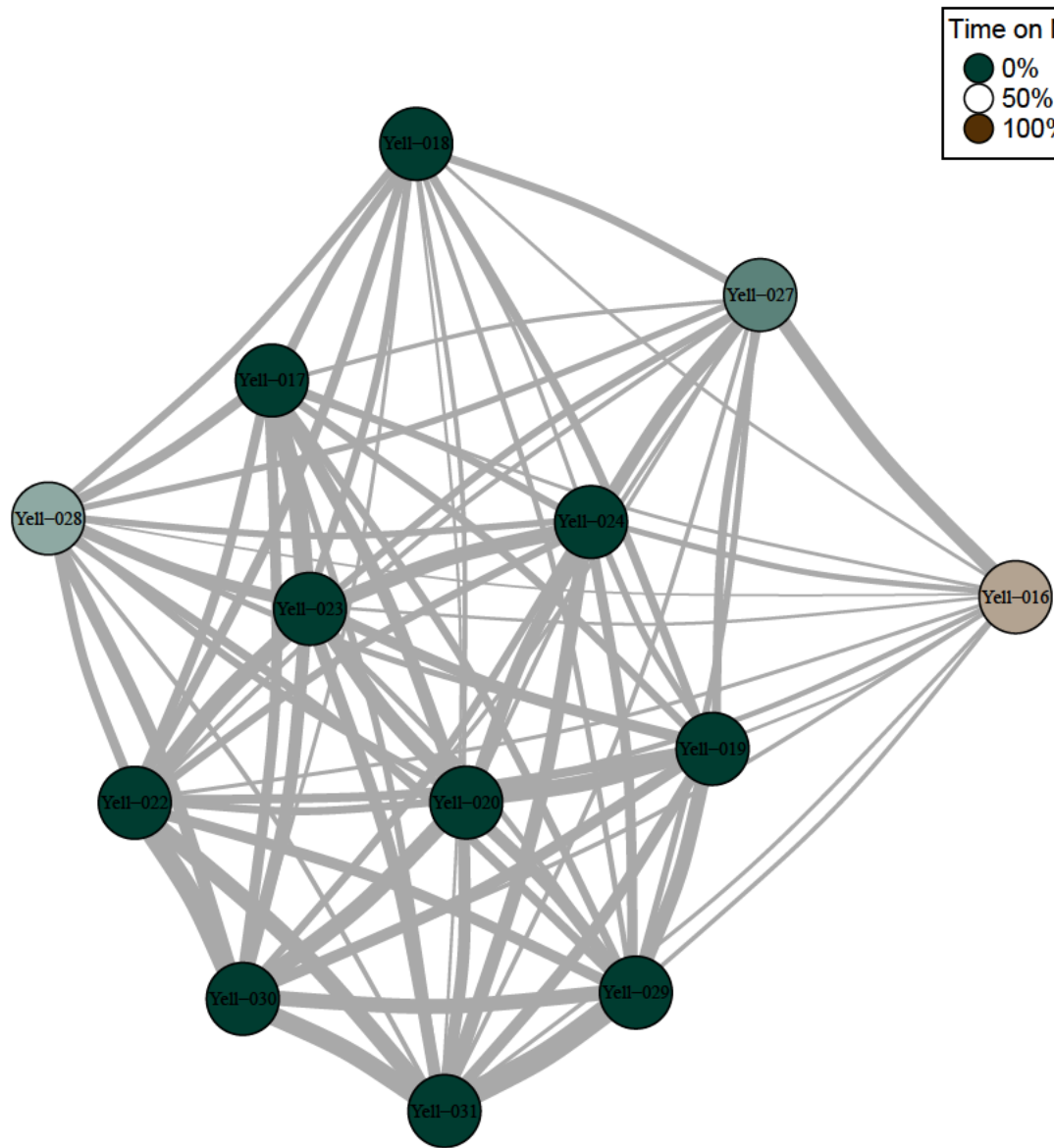
**Annual: 2004**



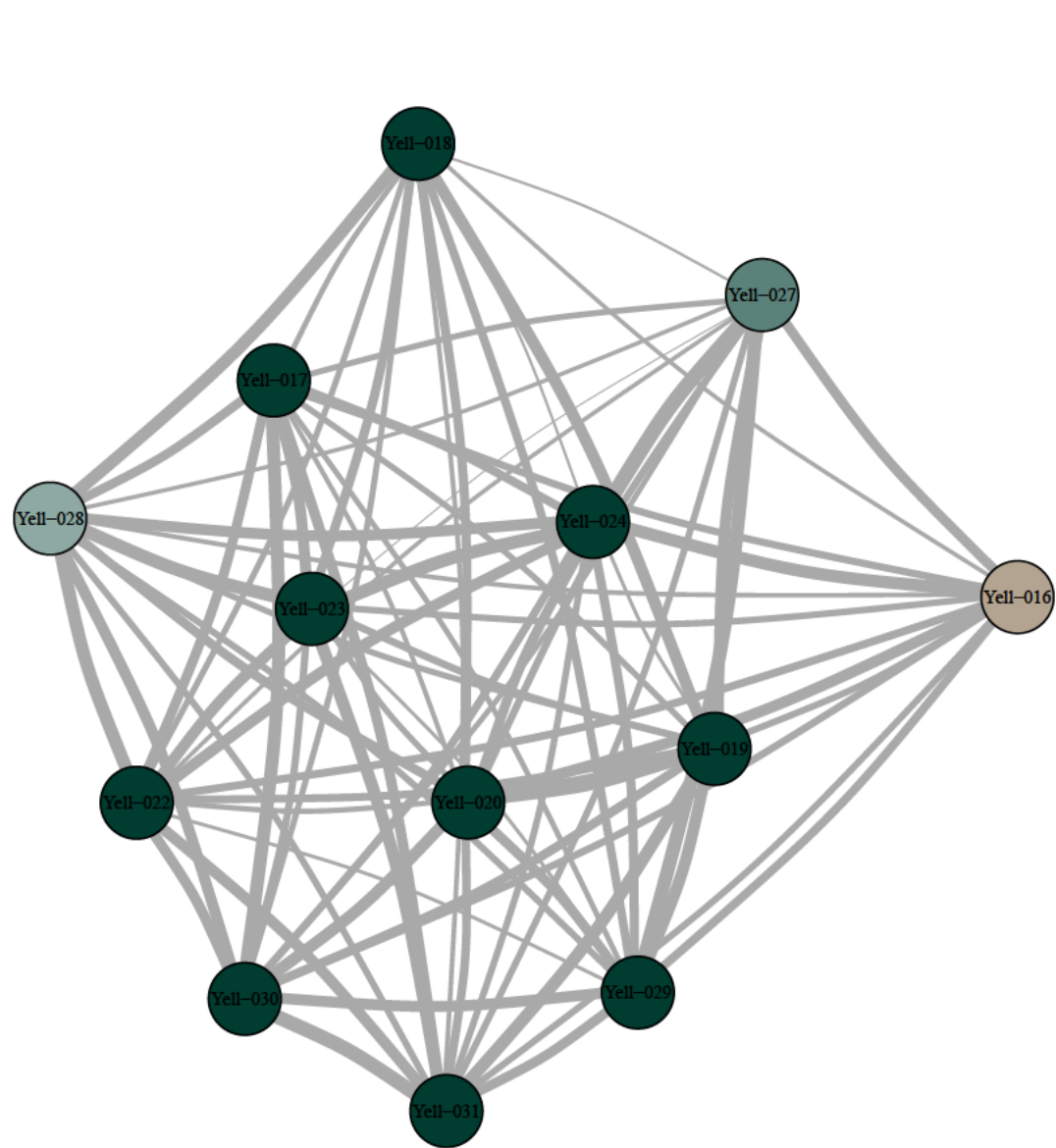
**Breeding season: 2004**



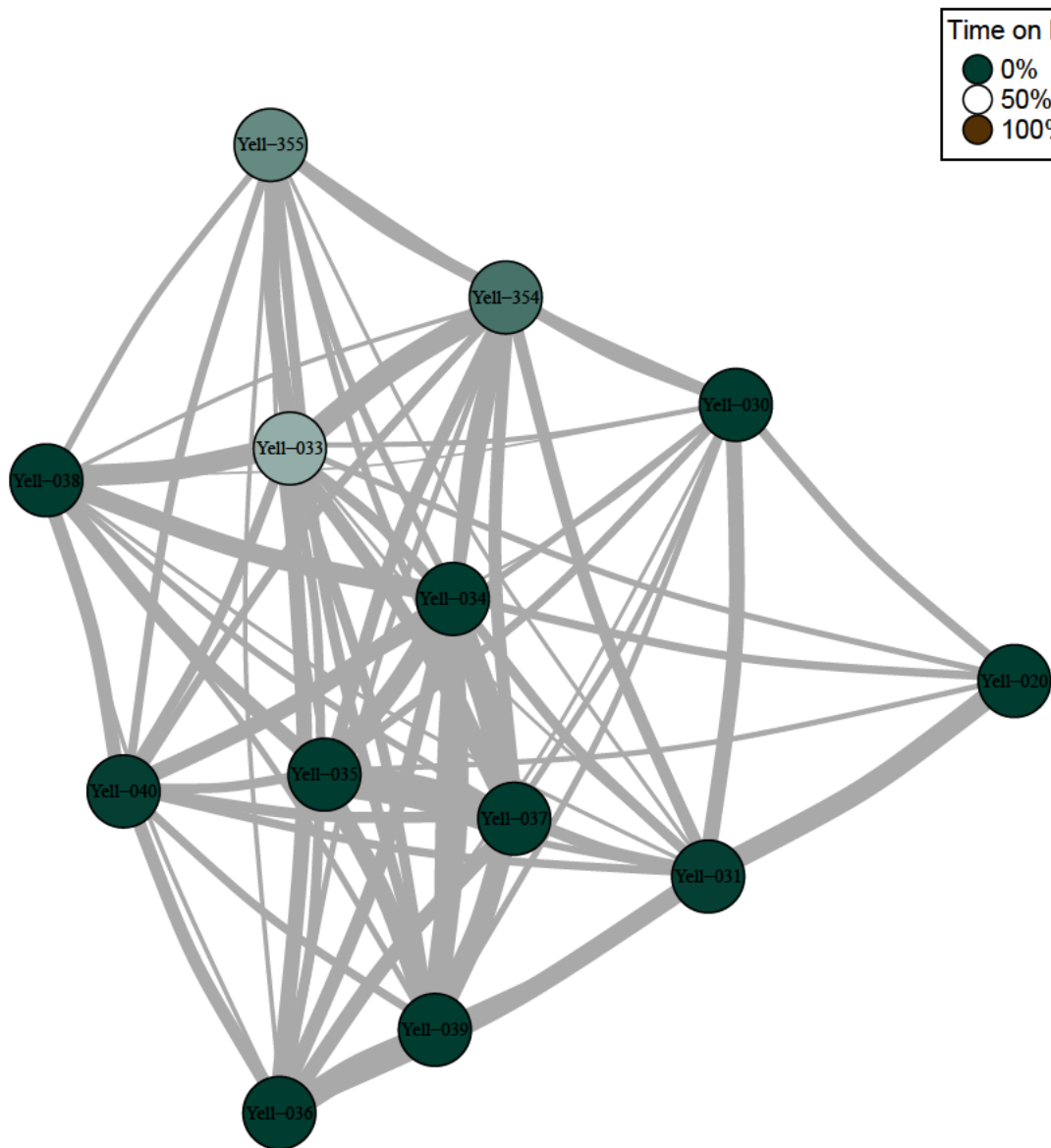
**Annual: 2005**



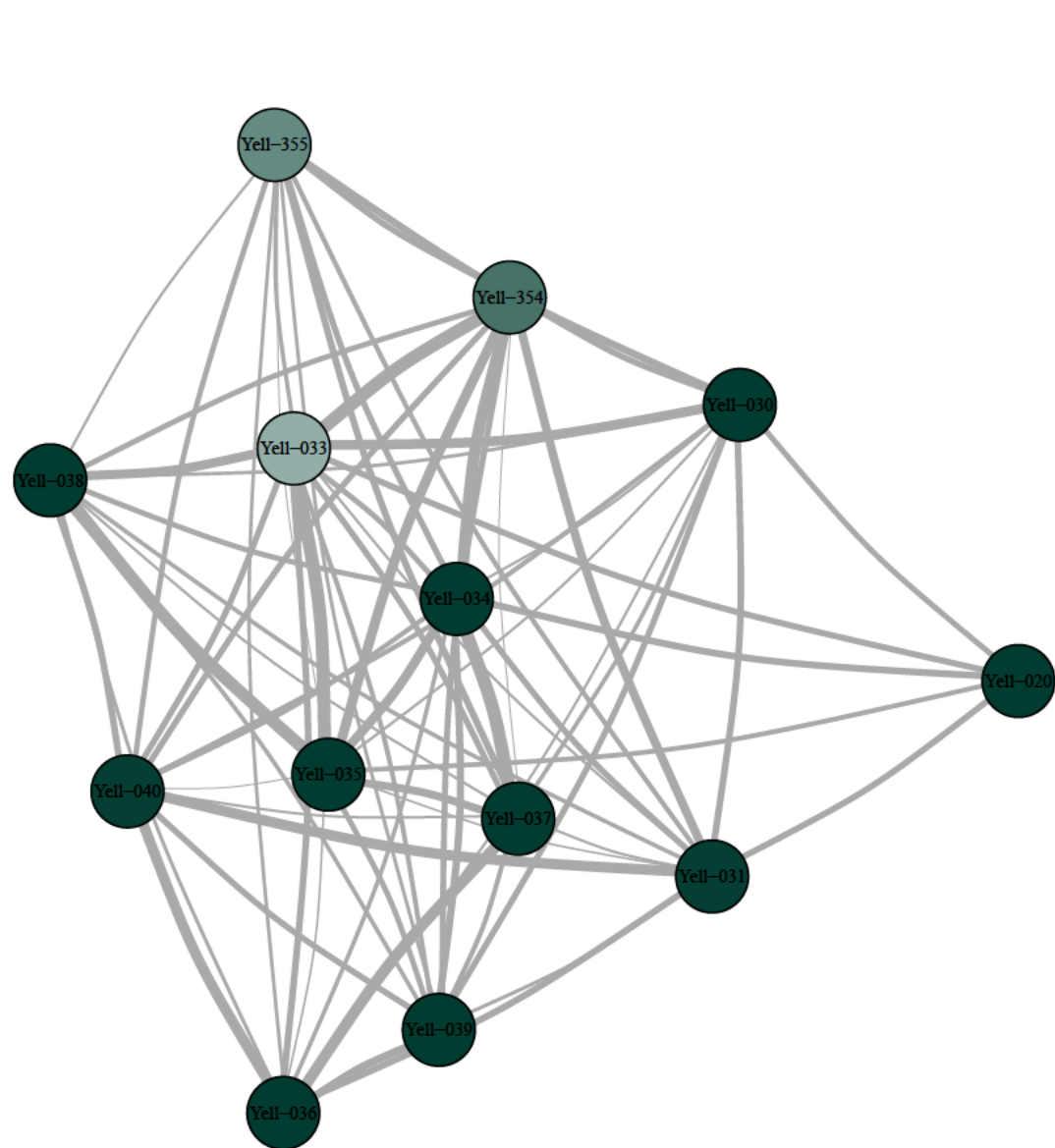
**Breeding season: 2005**



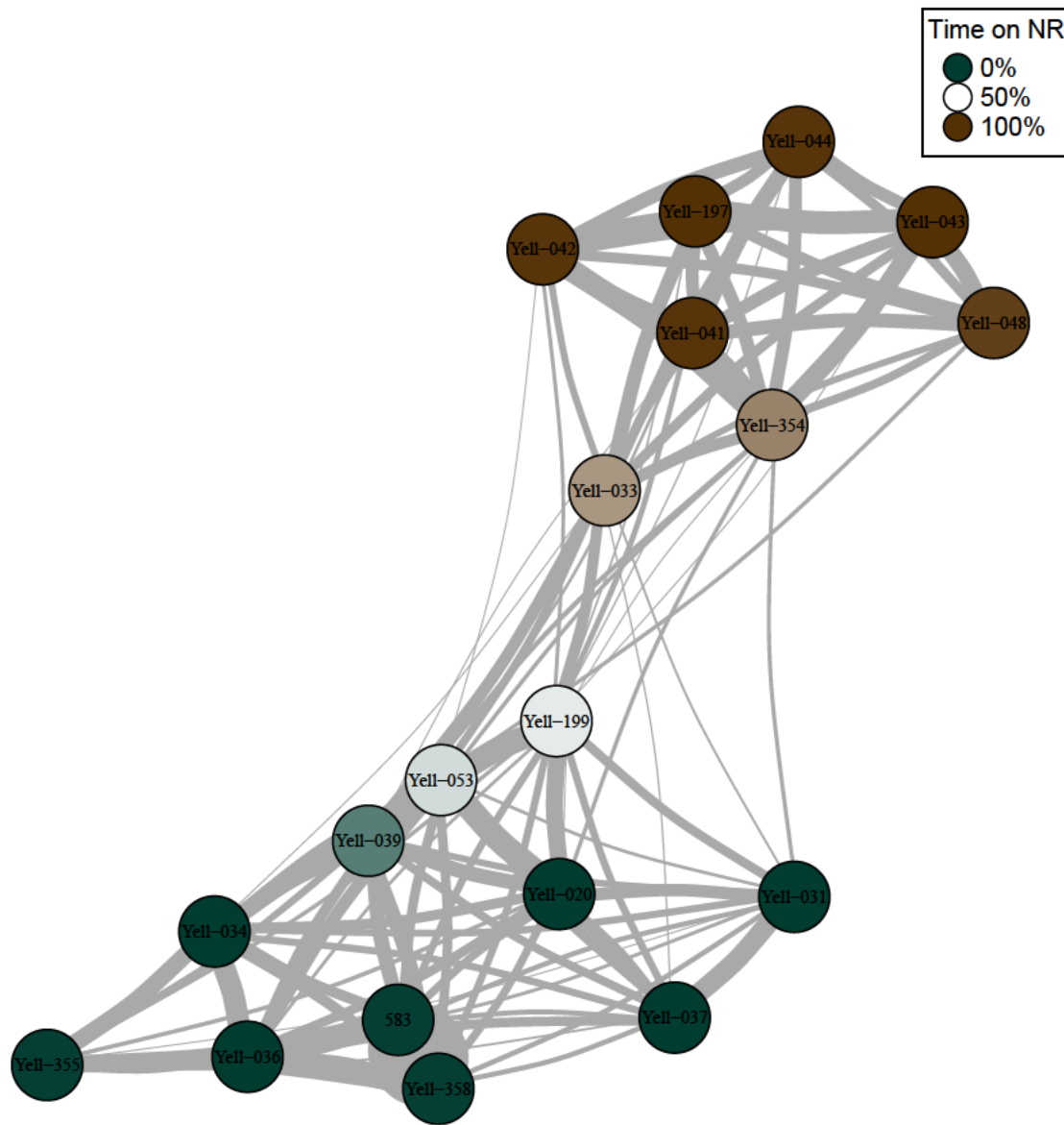
**Annual: 2006**



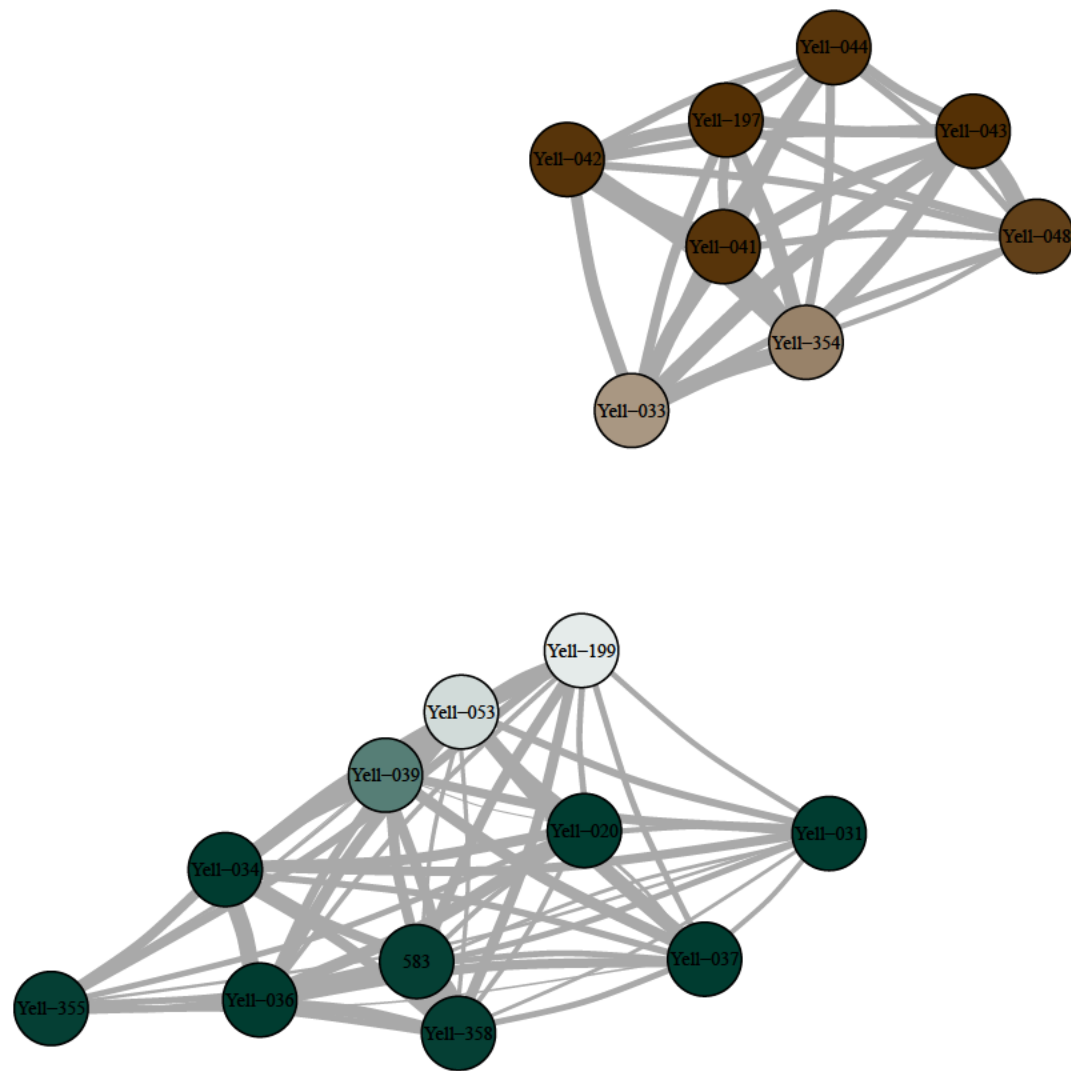
**Breeding season: 2006**



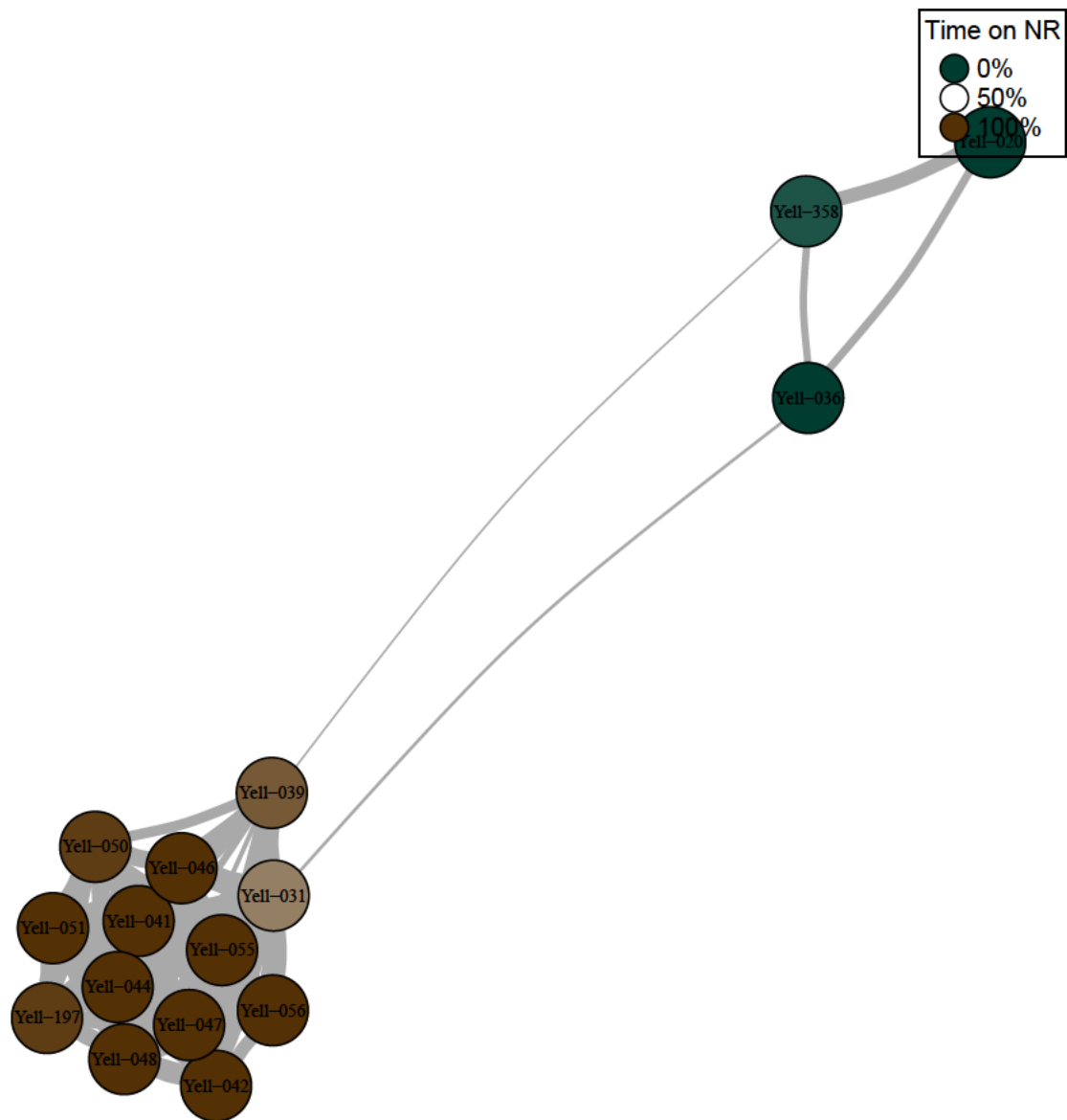
**Annual: 2007**



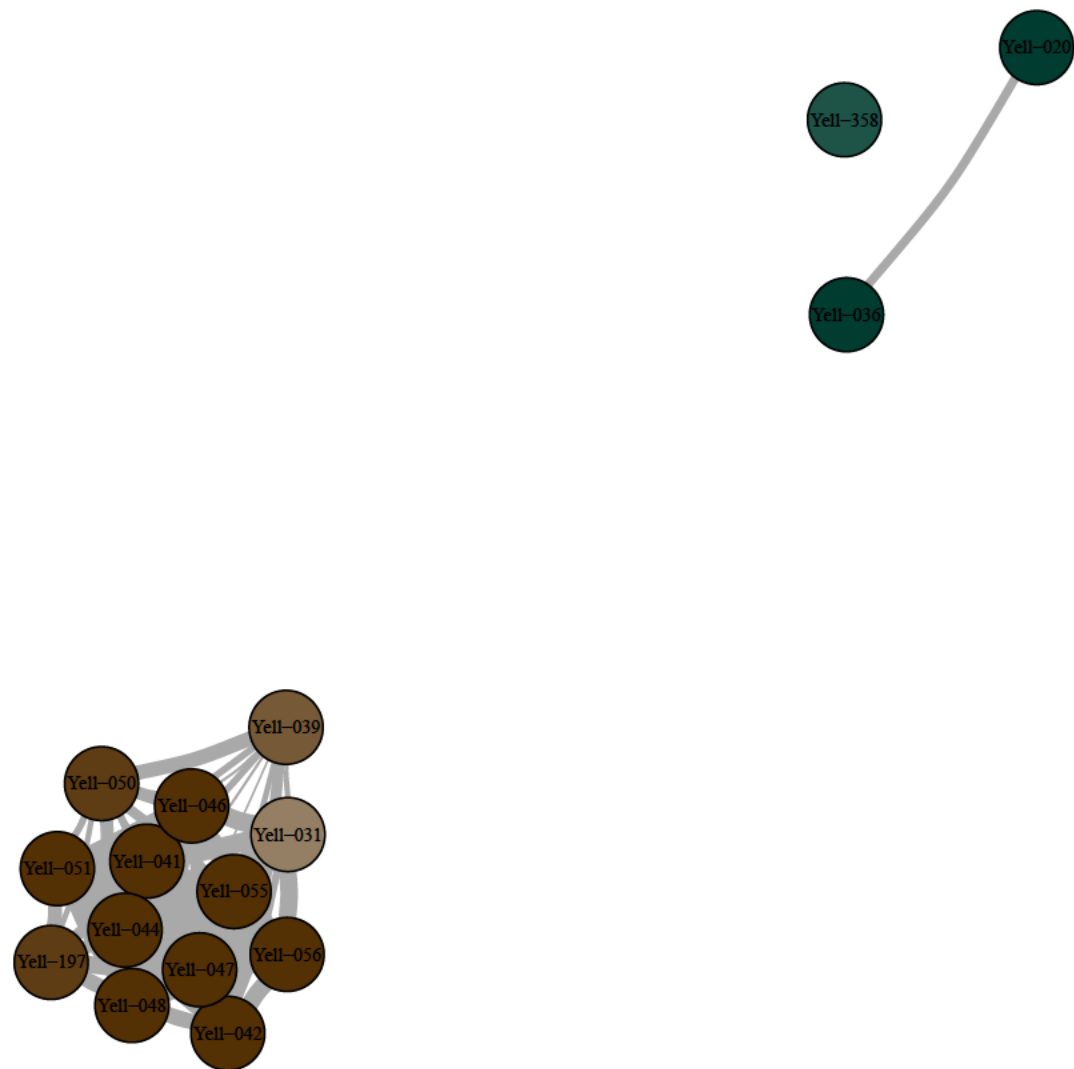
**Breeding season: 2007**



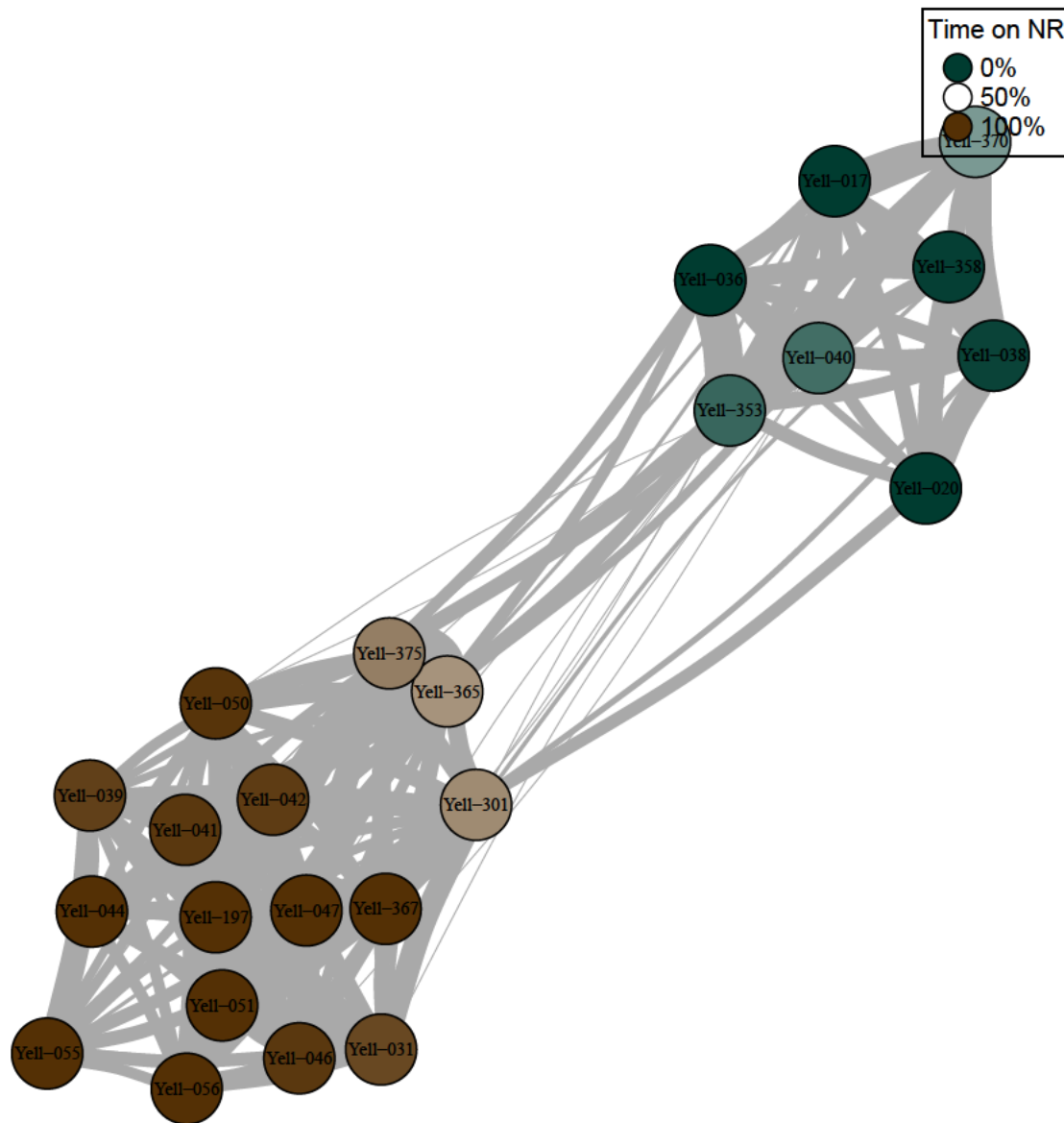
Annual: 2008



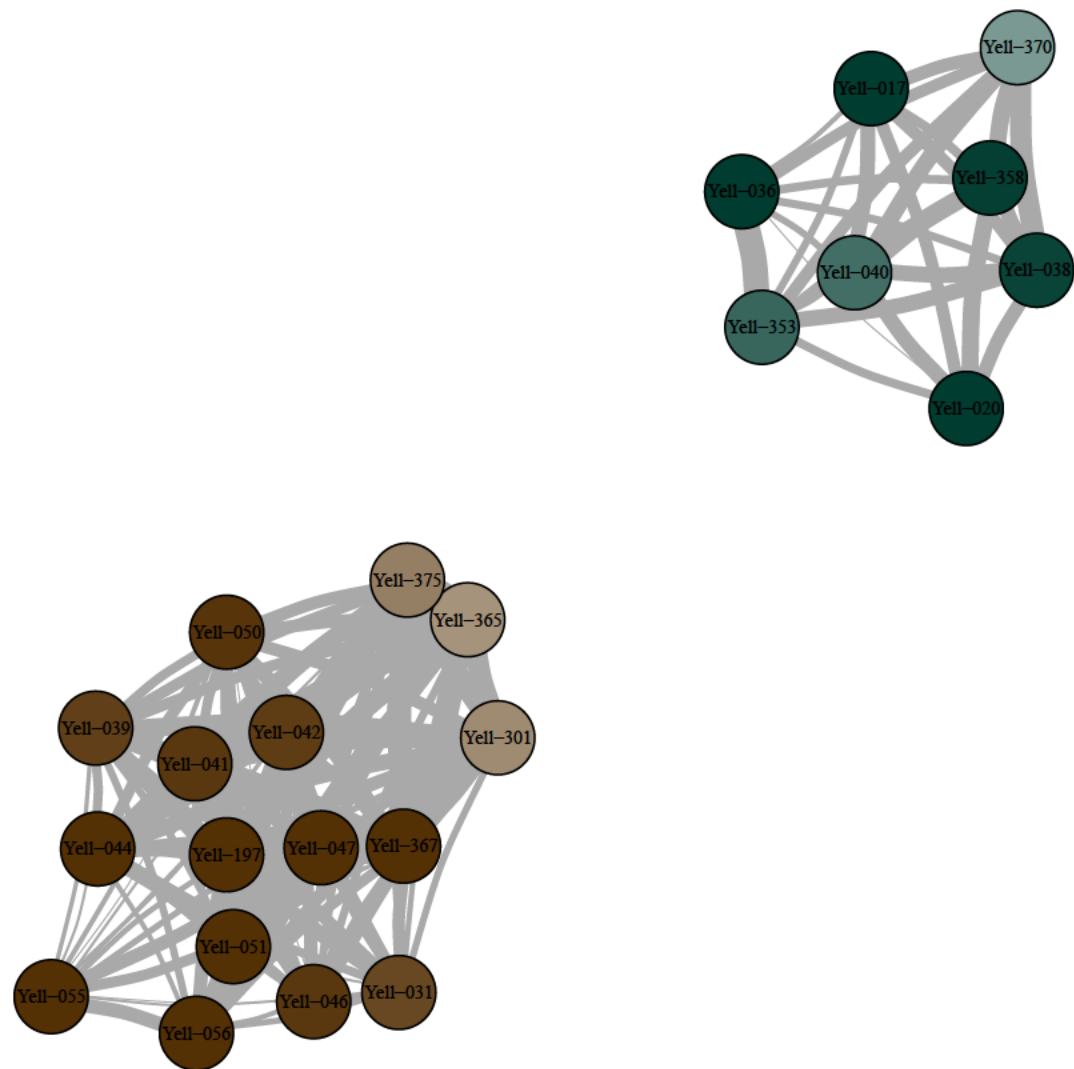
Breeding season: 2008



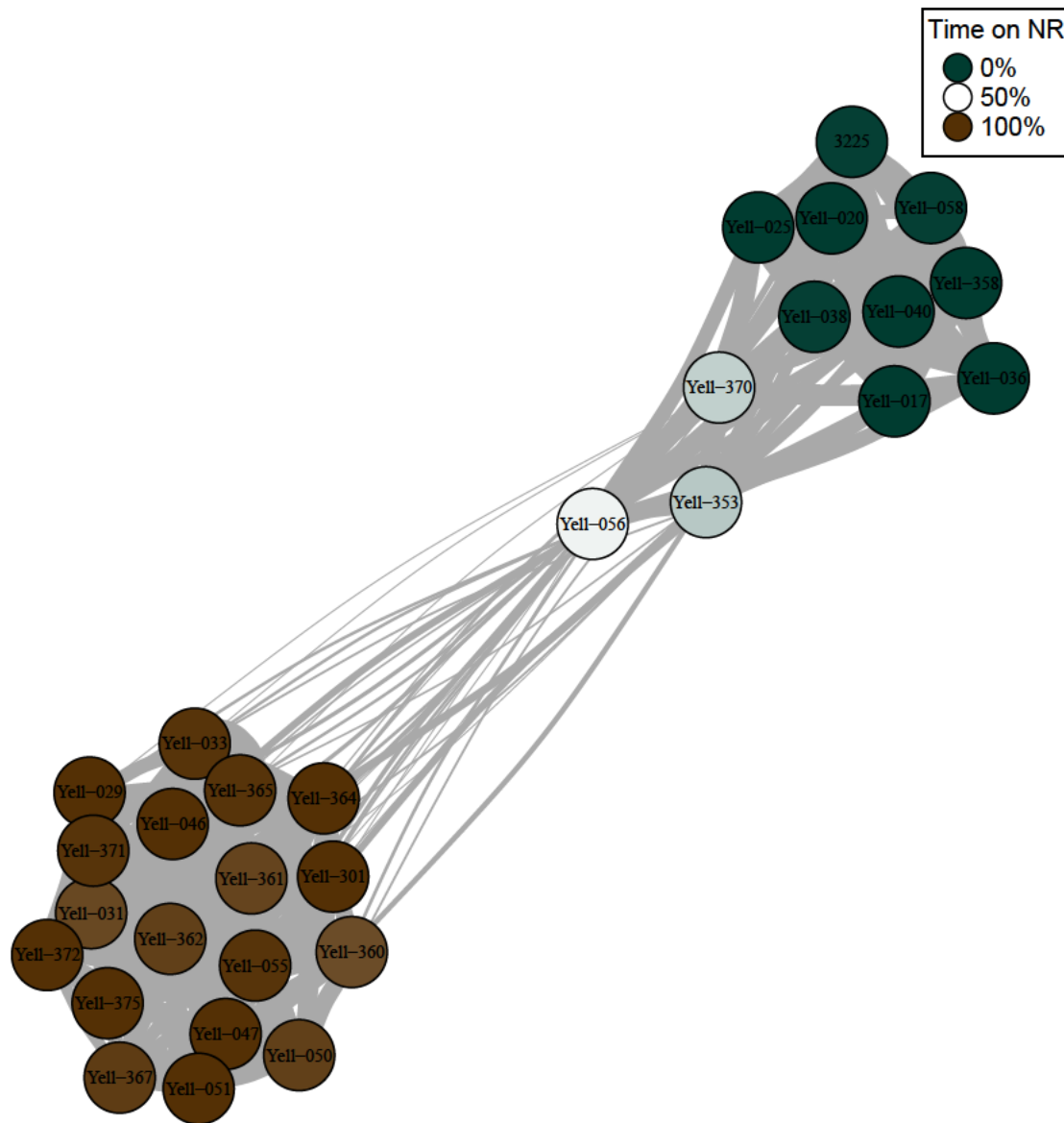
Annual: 2009



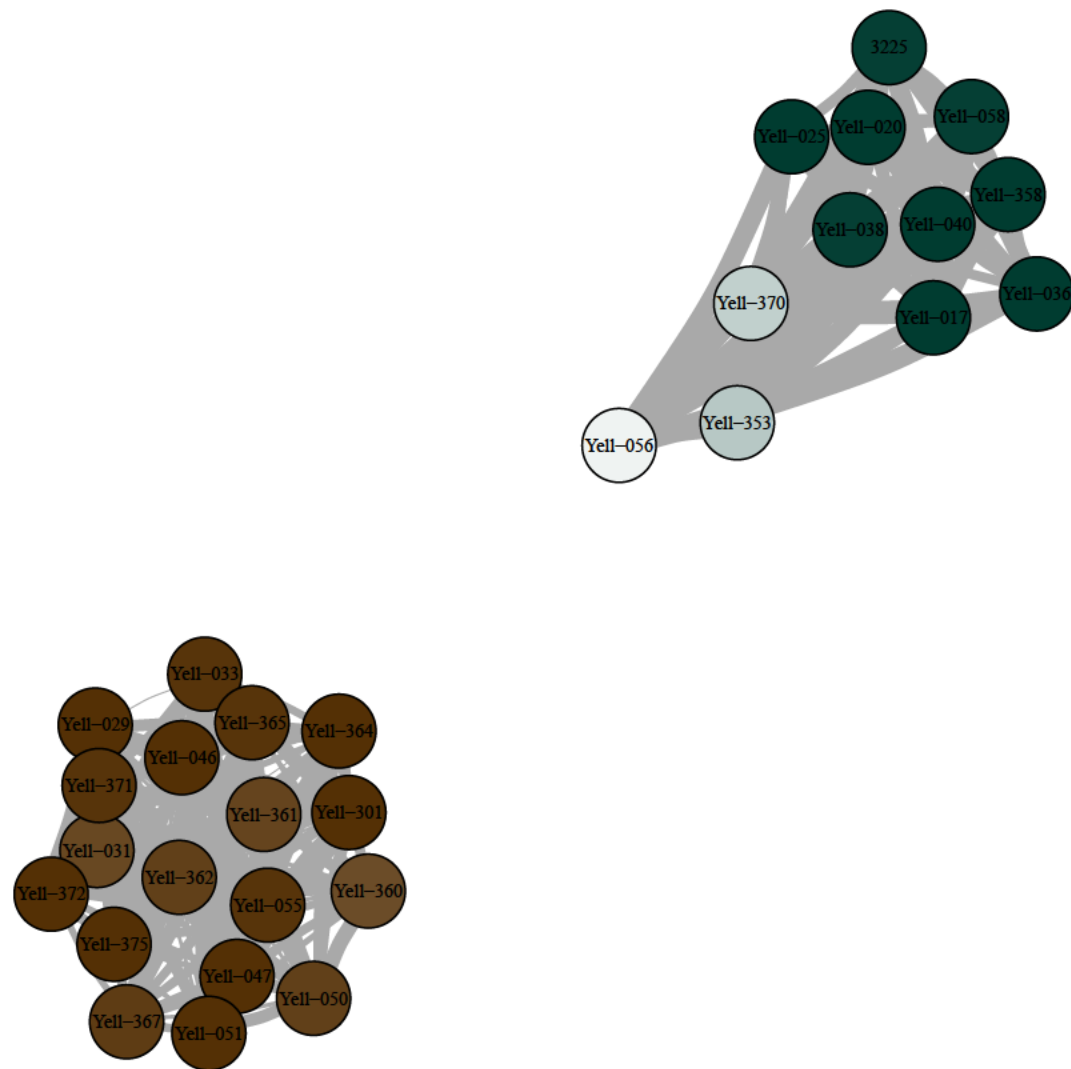
Breeding season: 2009



Annual: 2010

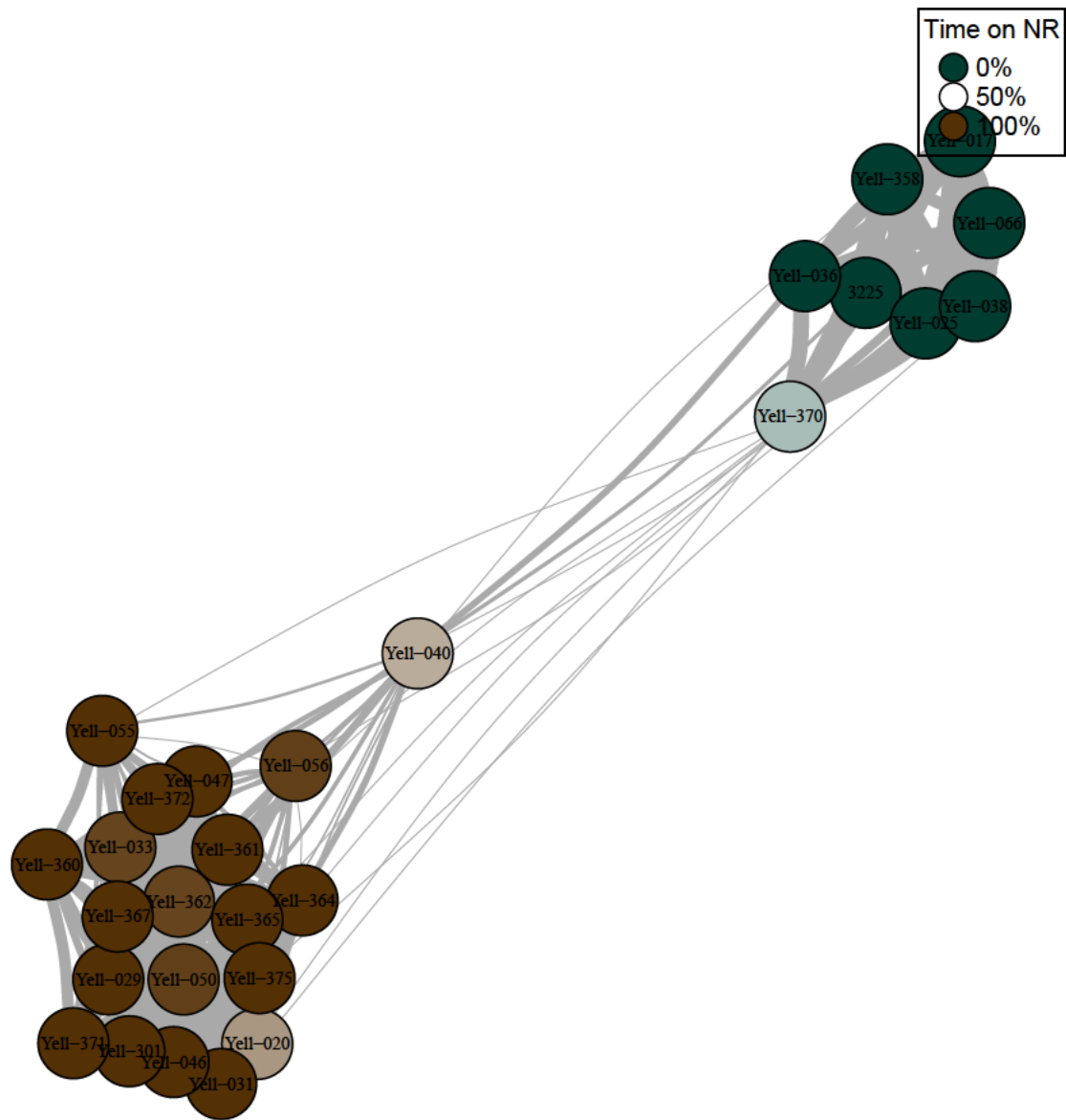


Breeding season: 2010

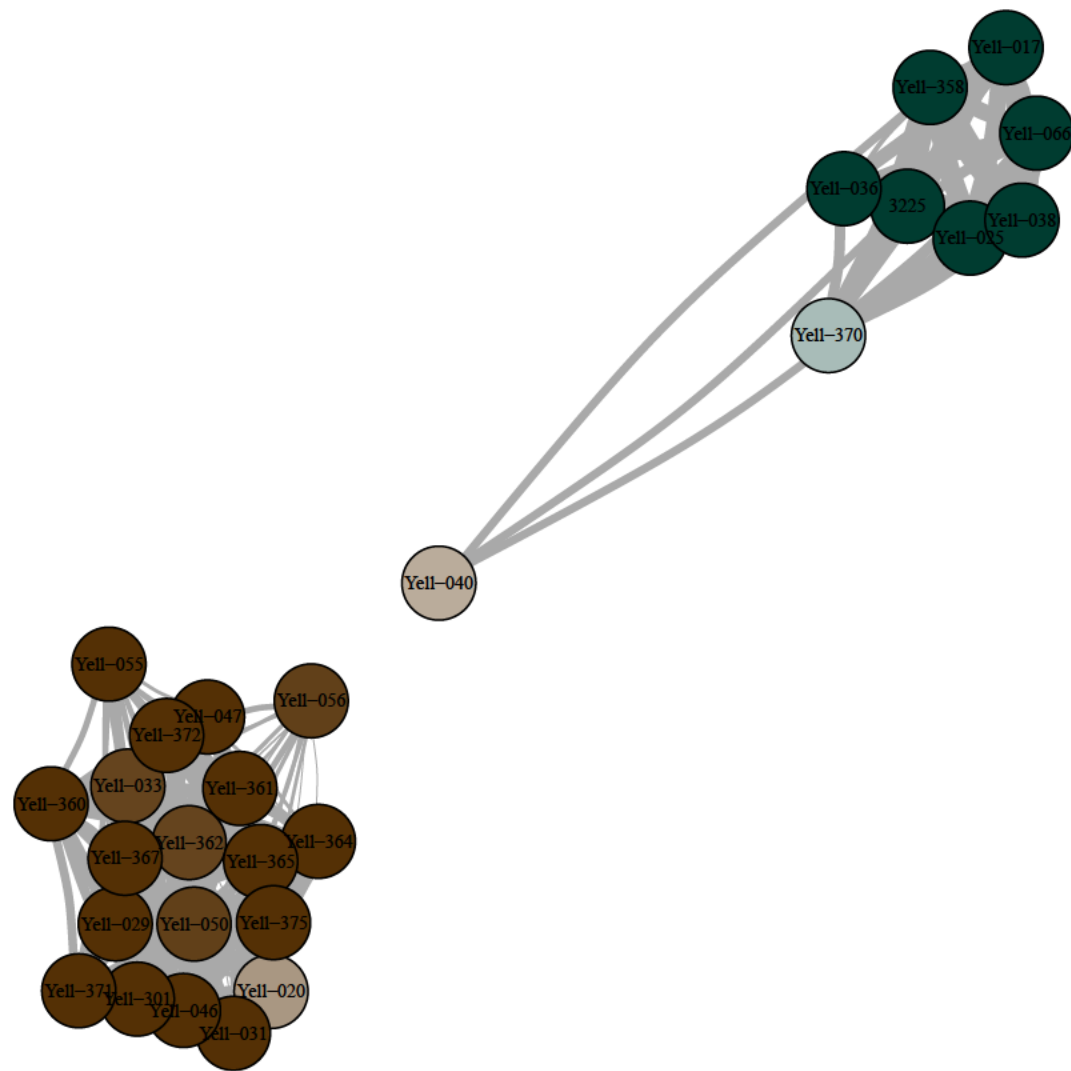




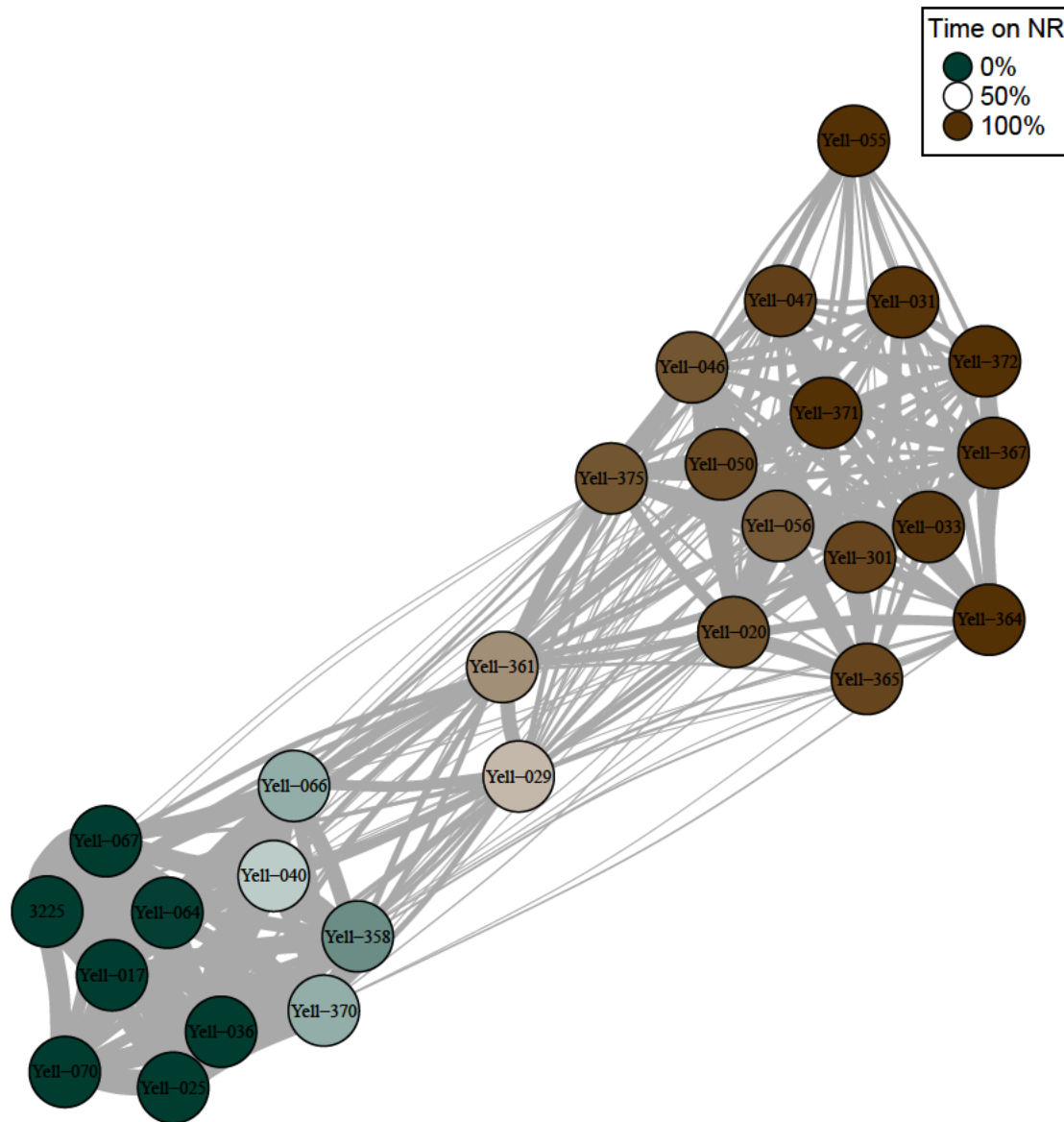
Annual: 2011



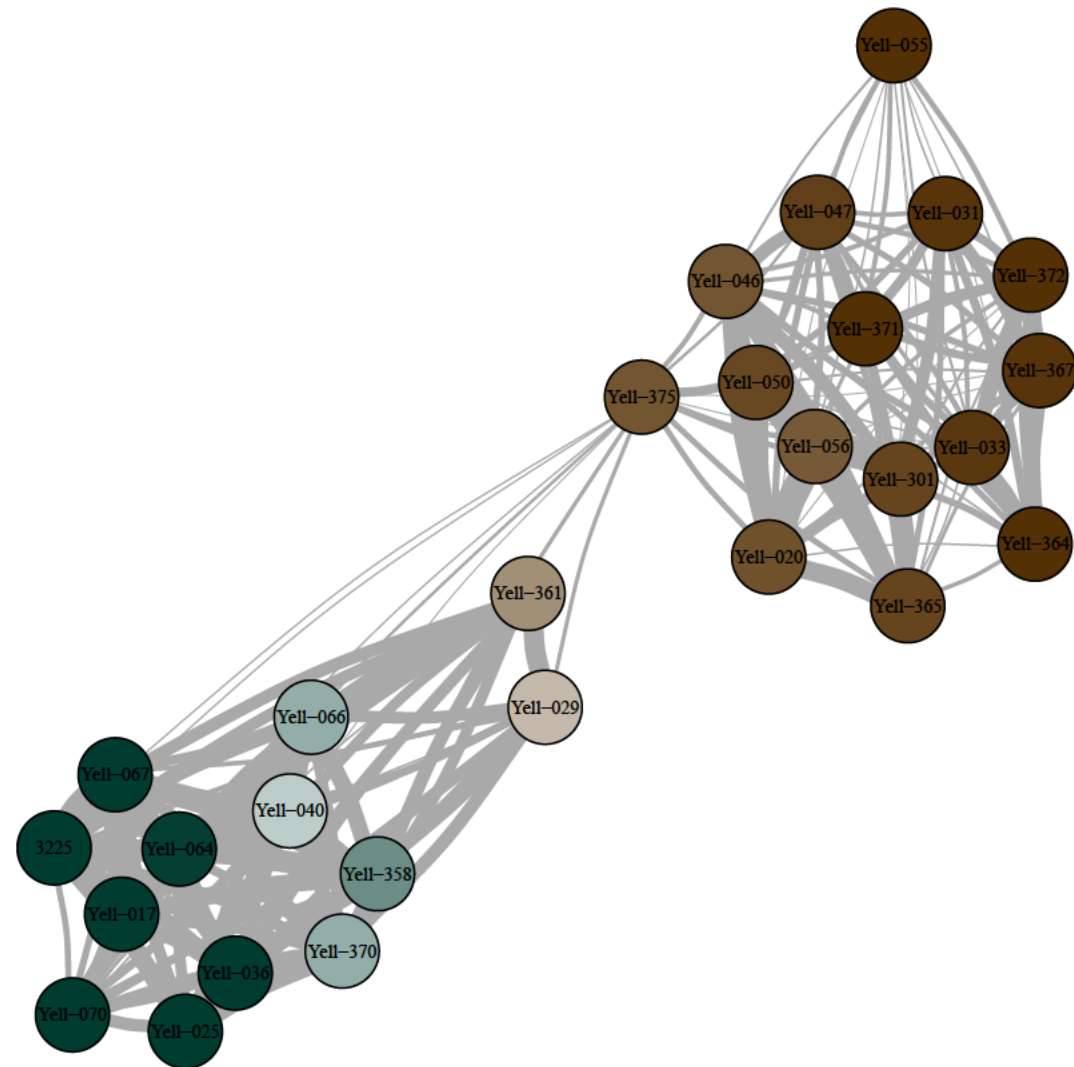
Breeding season: 2011



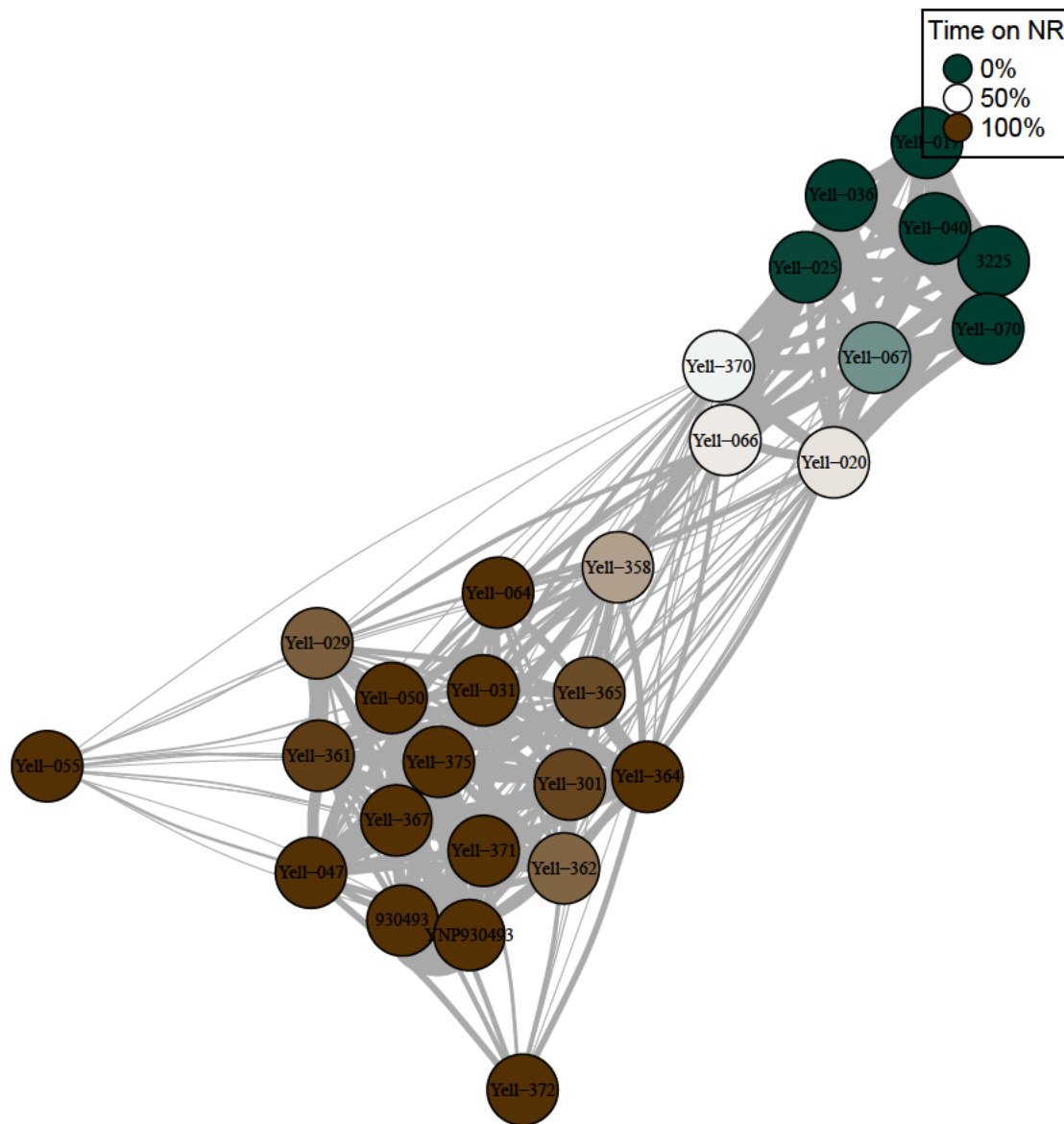
Annual: 2012



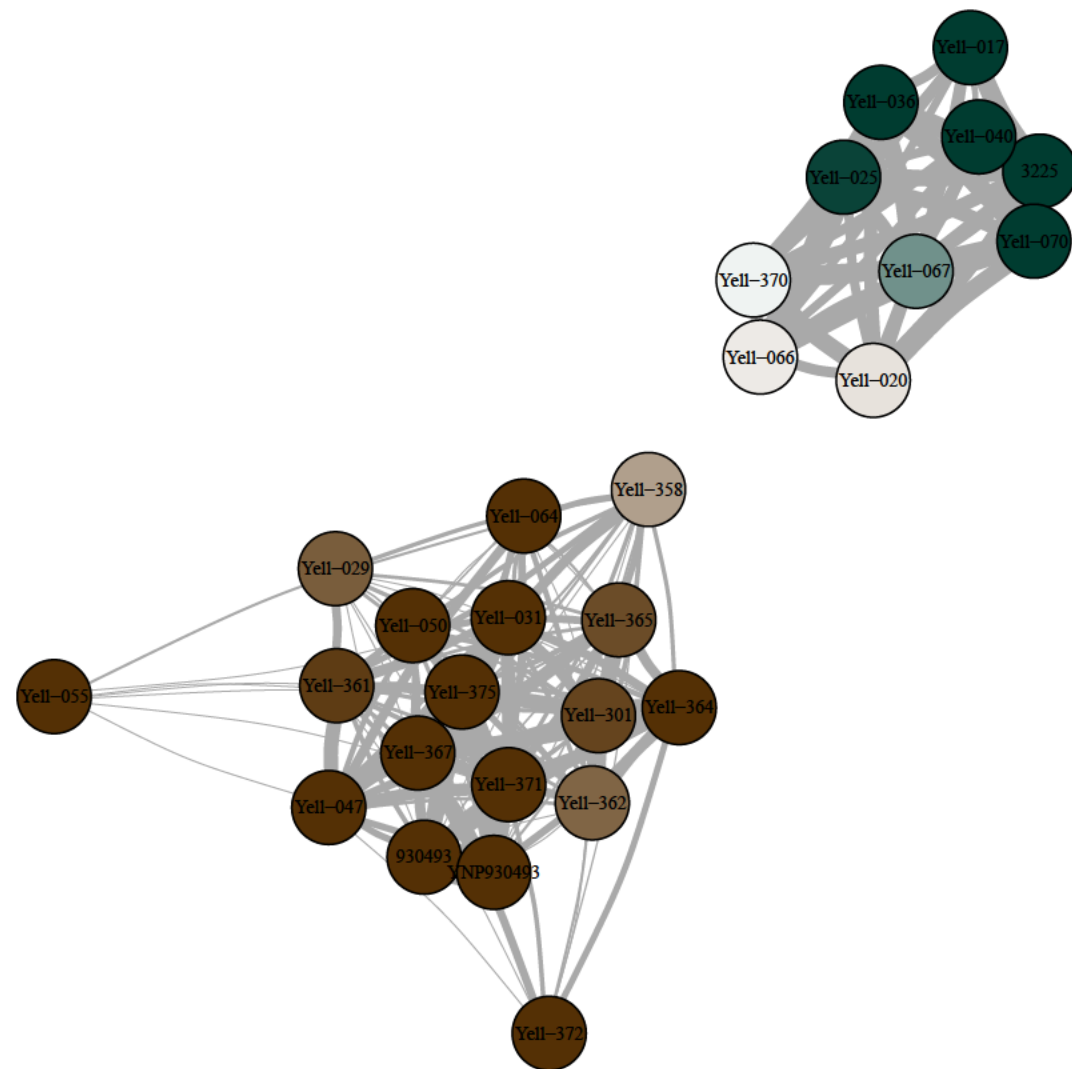
Breeding season: 2012



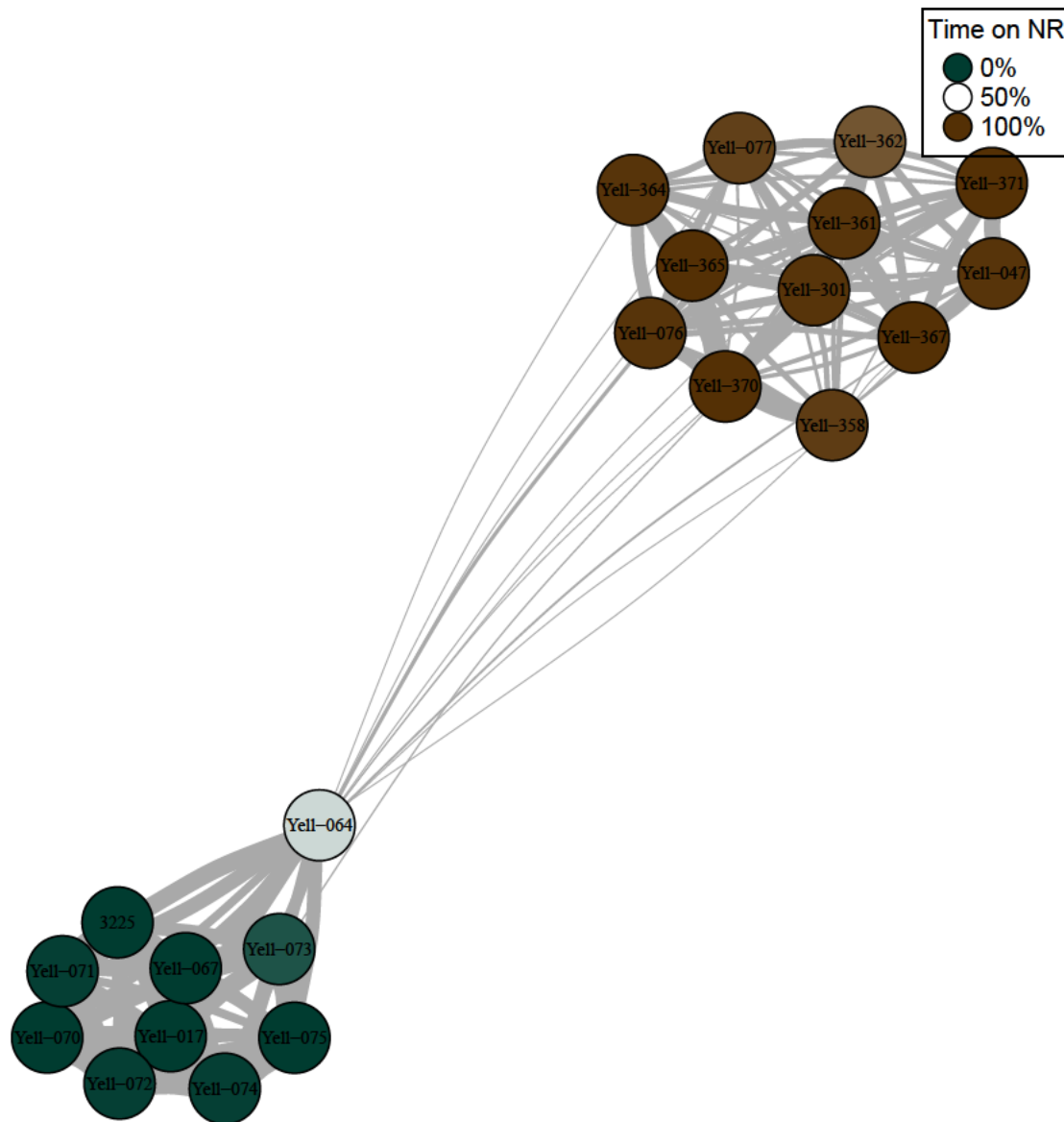
**Annual: 2013**



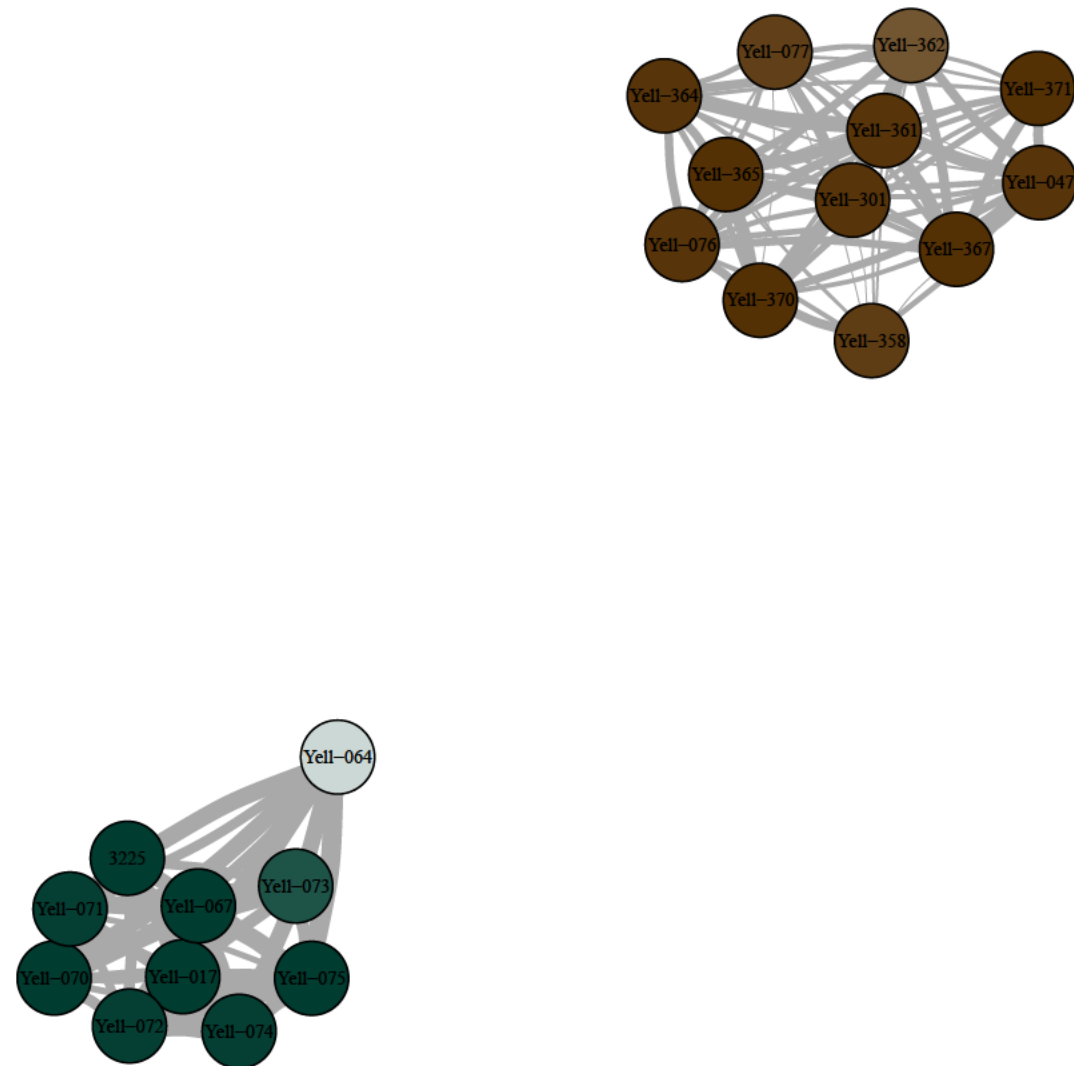
**Breeding season: 2013**



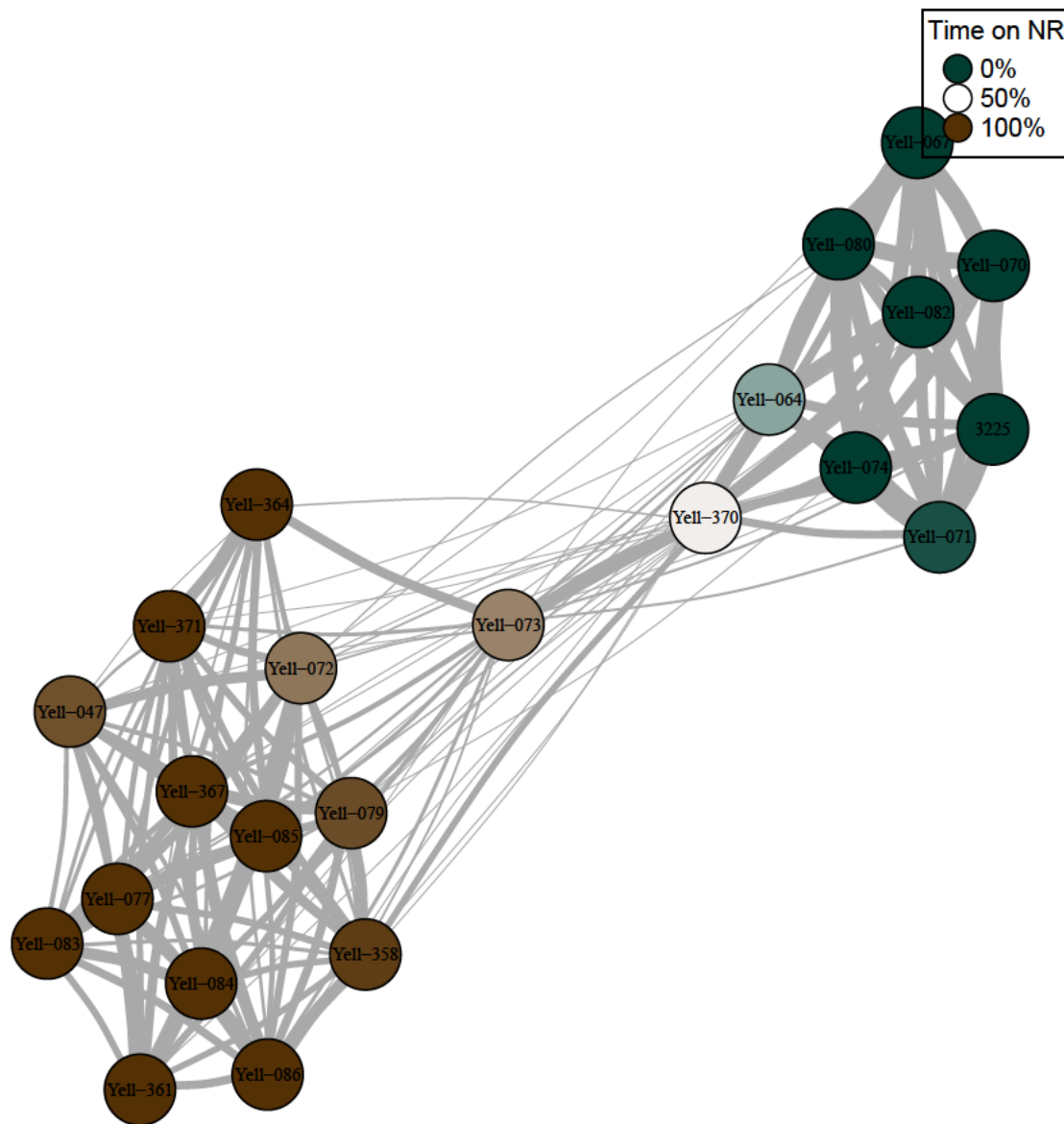
Annual: 2014



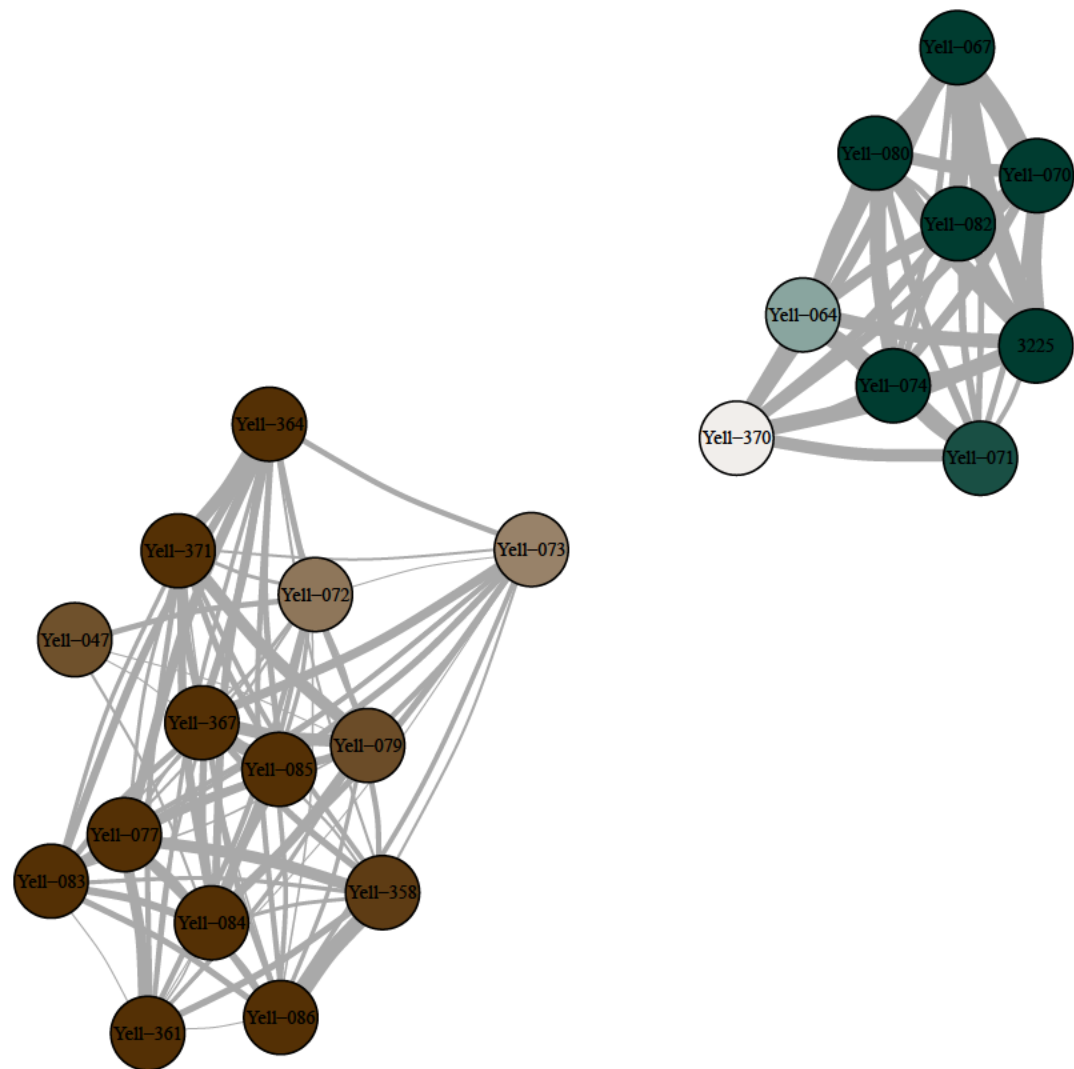
Breeding season: 2014



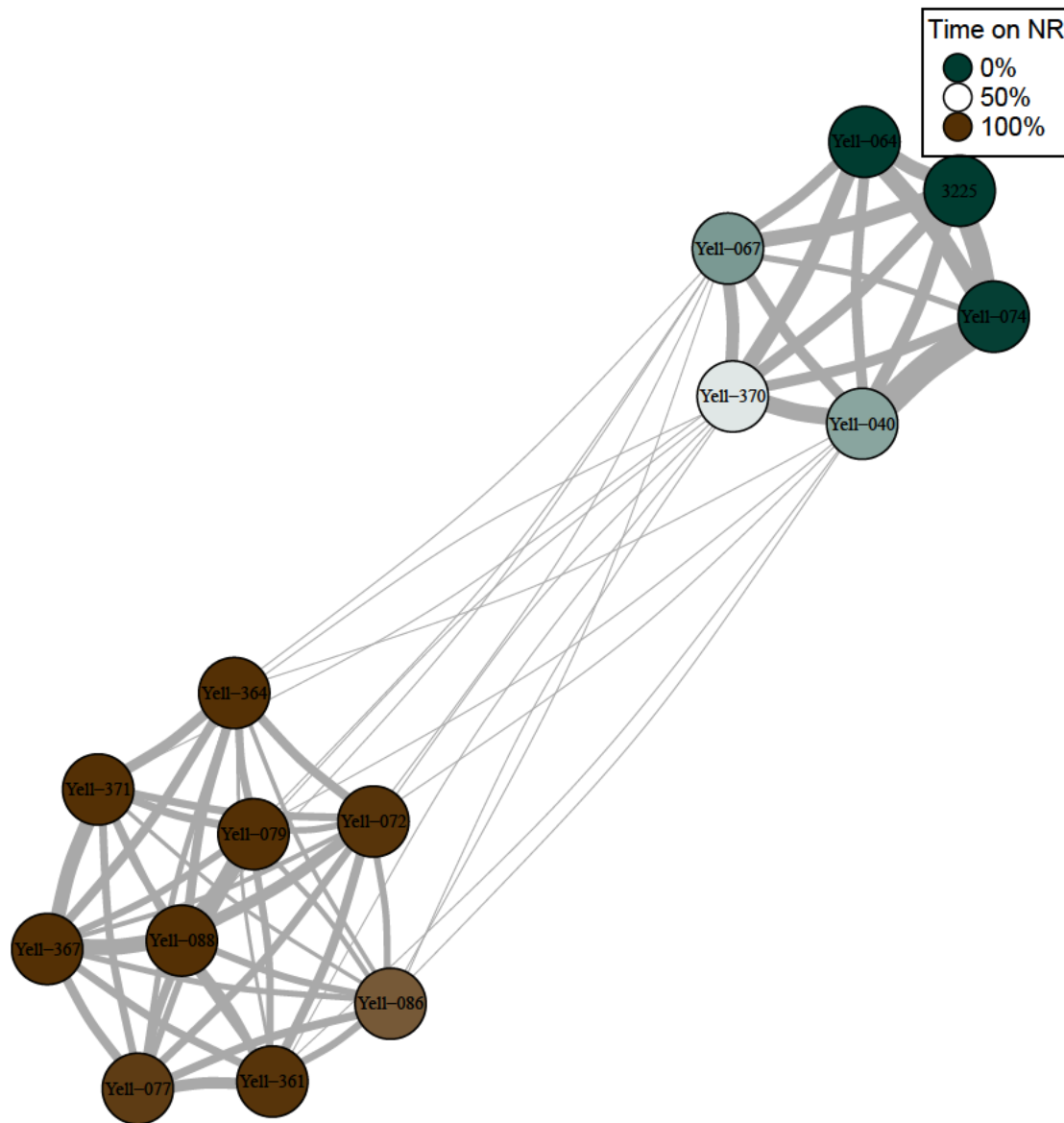
Annual: 2015



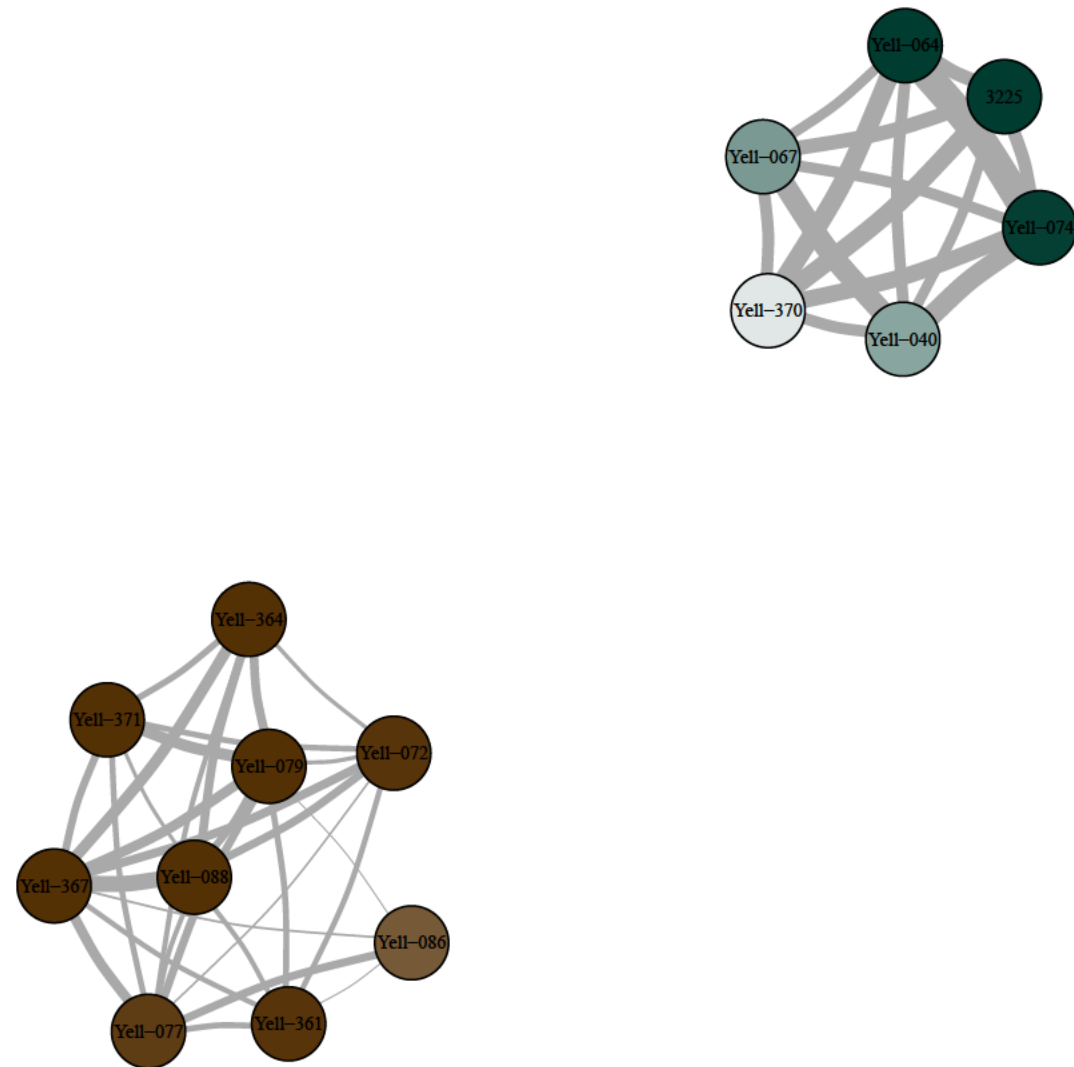
Breeding season: 2015



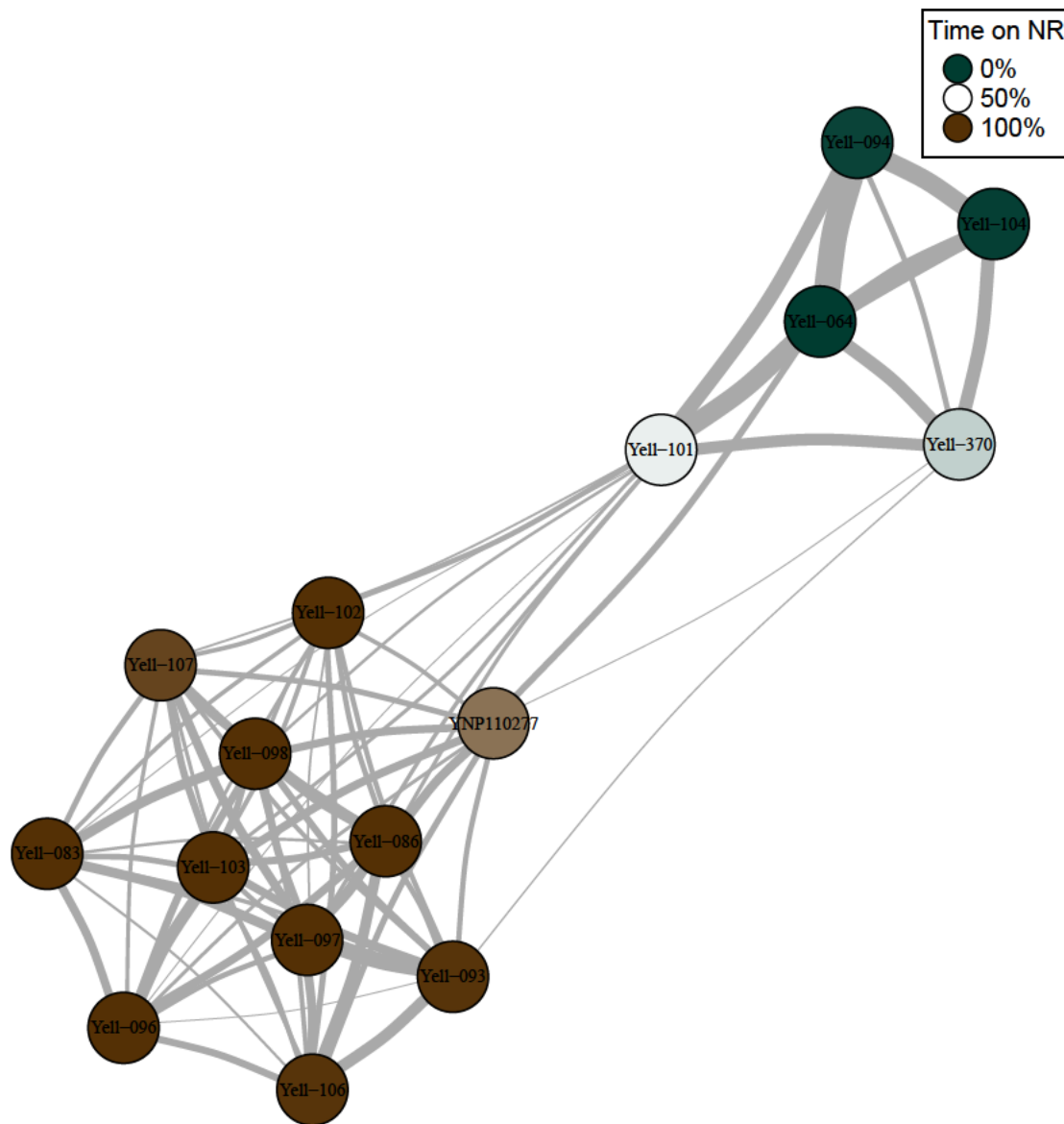
**Annual: 2016**



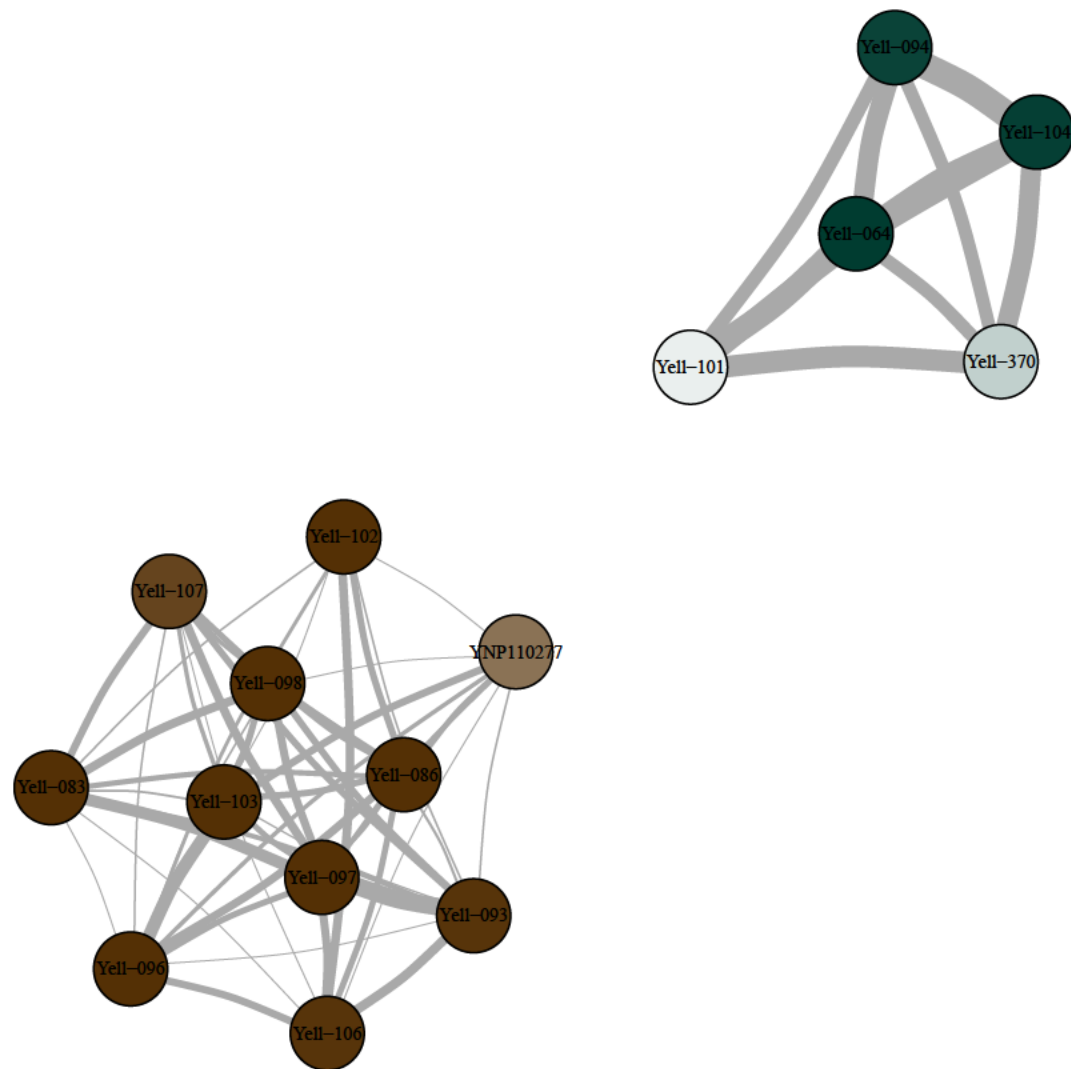
**Breeding season: 2016**



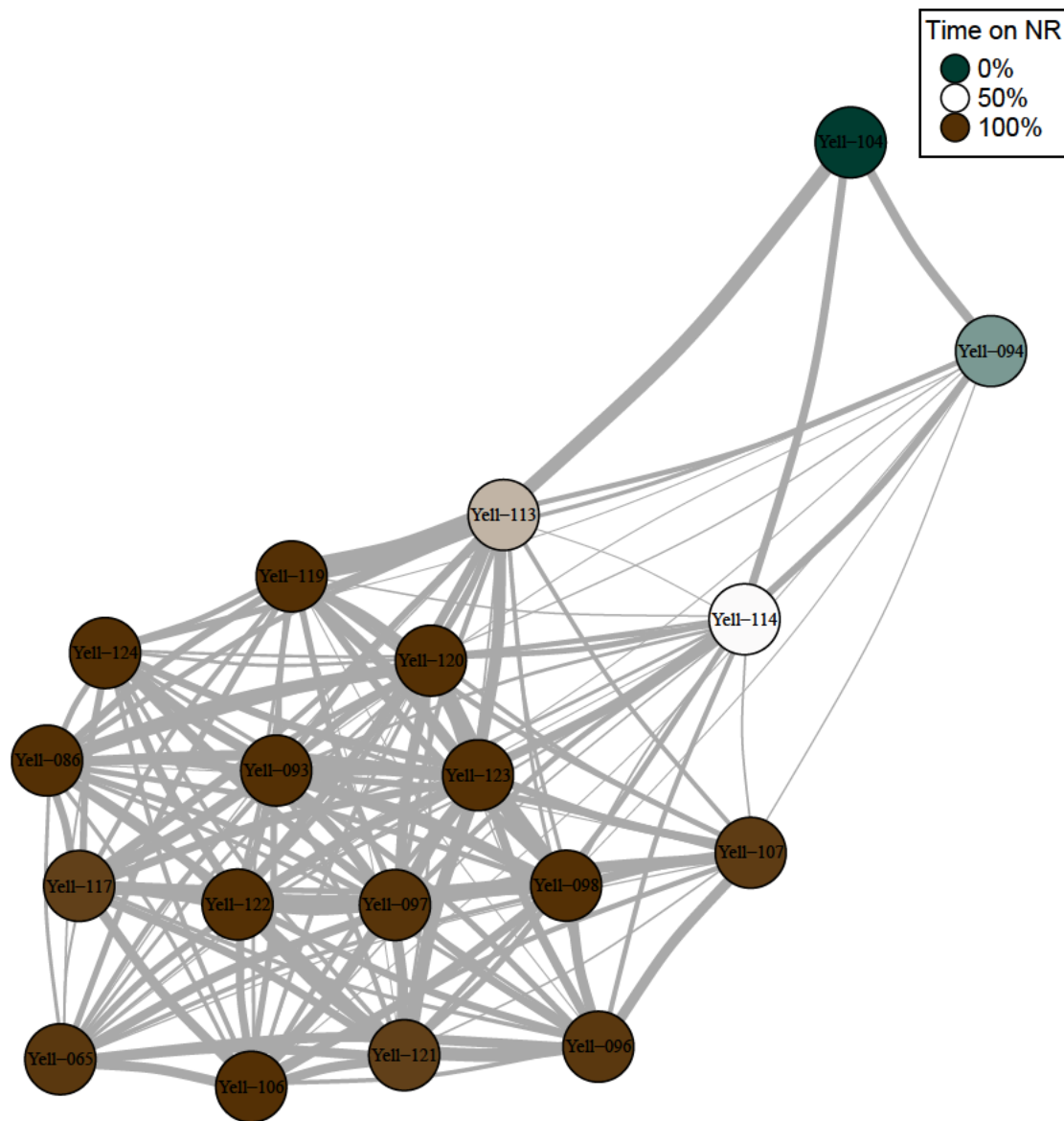
Annual: 2017



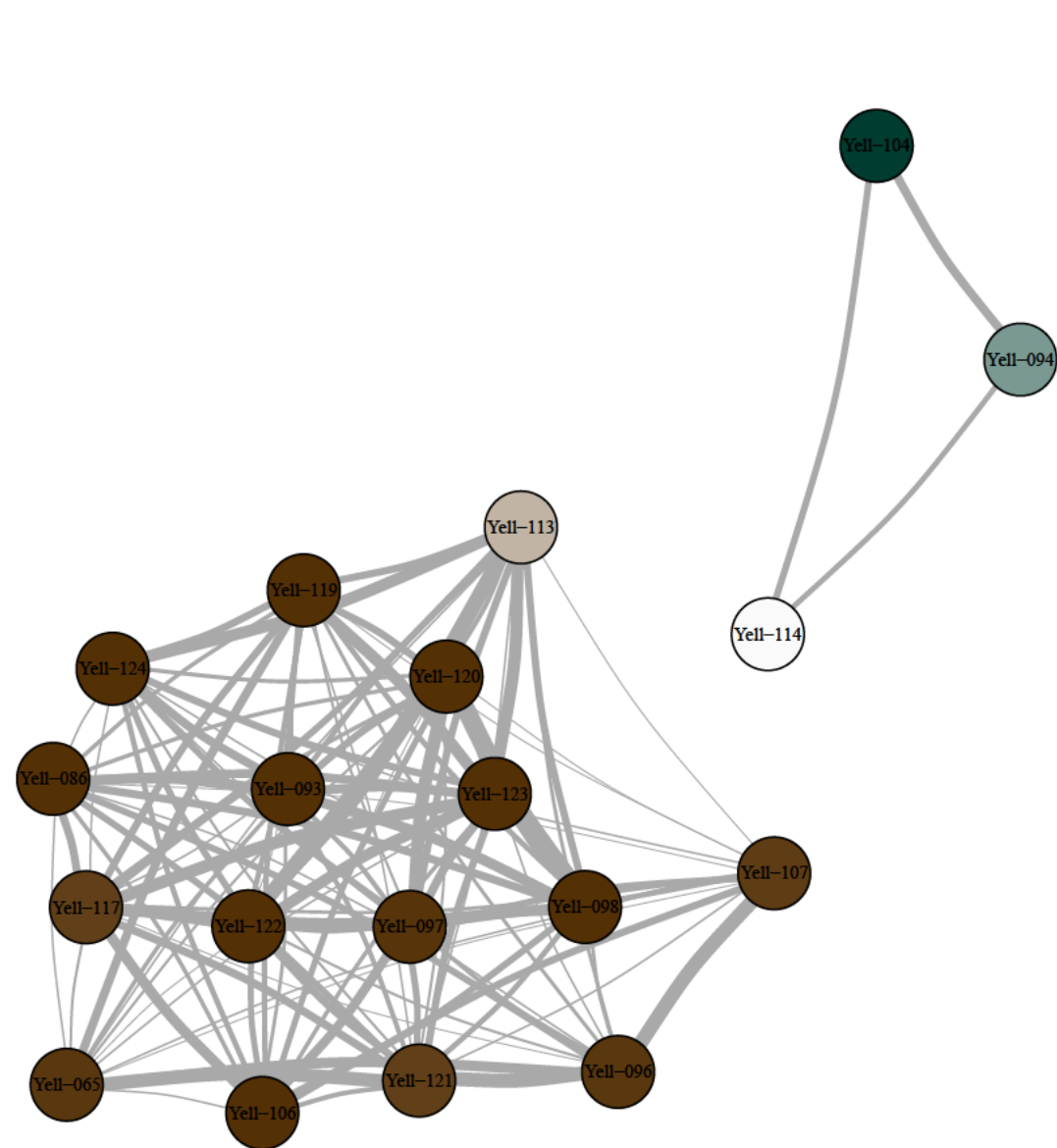
Breeding season: 2017



**Annual: 2018**

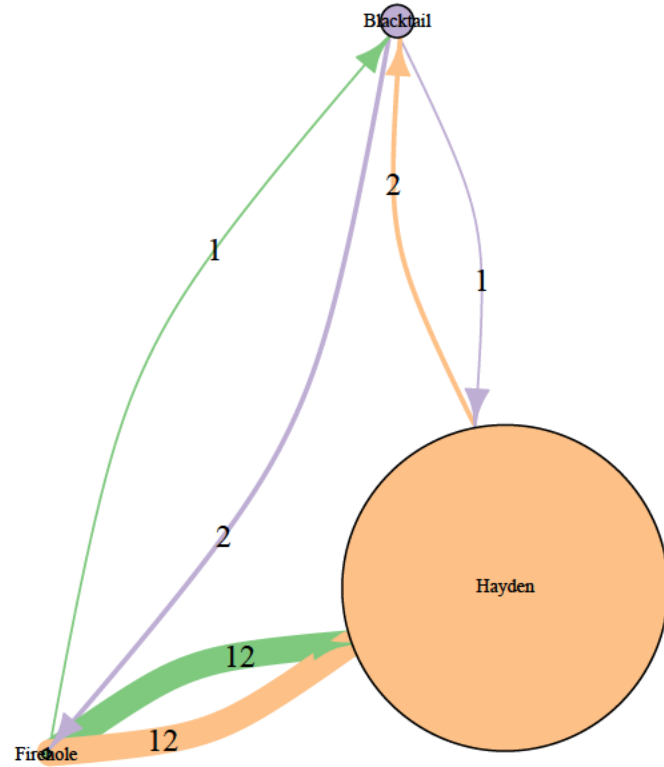


**Breeding season: 2018**

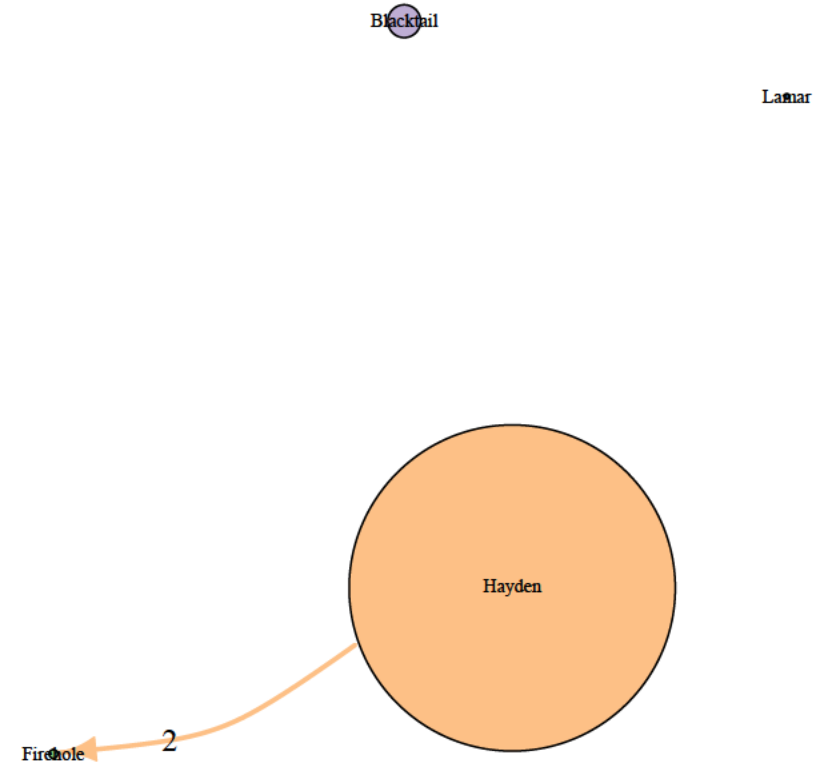




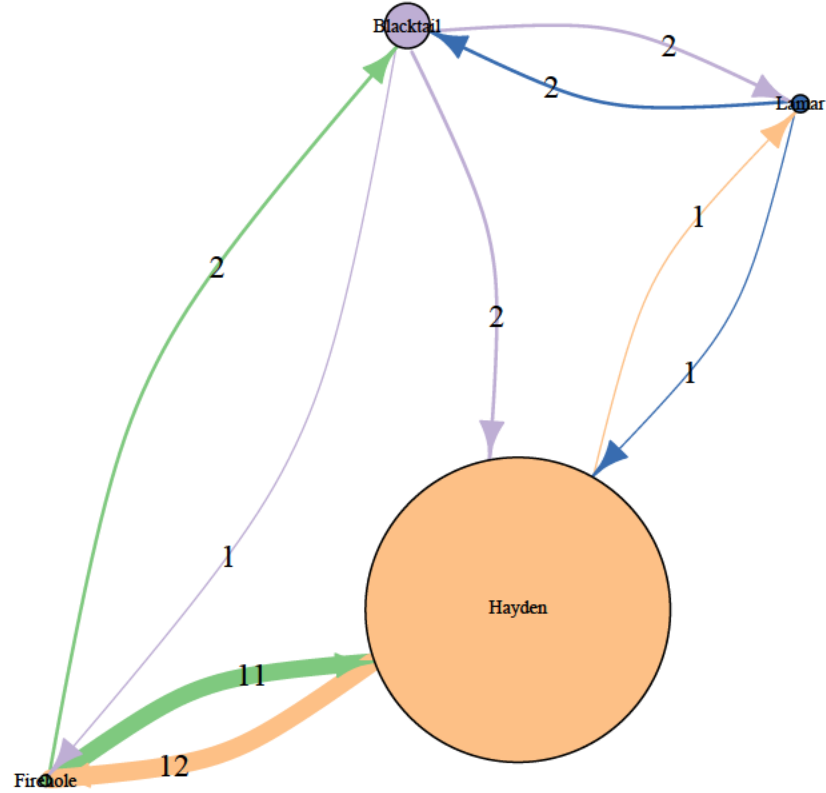
**Movements among main grazing areas  
2004 (No. collars = 9)**



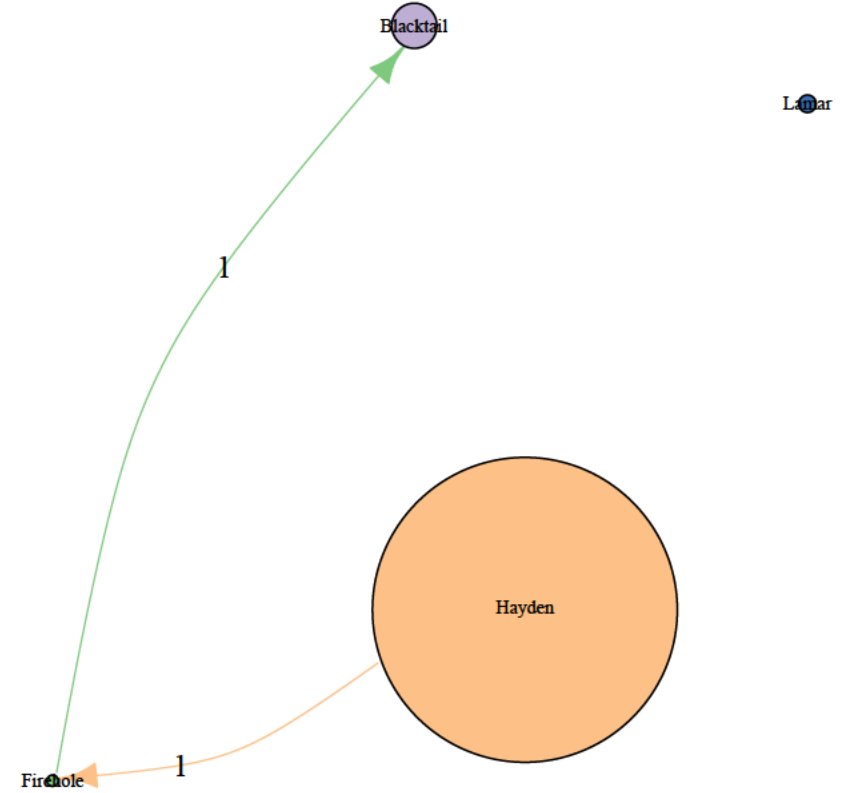
**Movements among main grazing areas  
during breeding season  
2004 (No. collars = 9)**



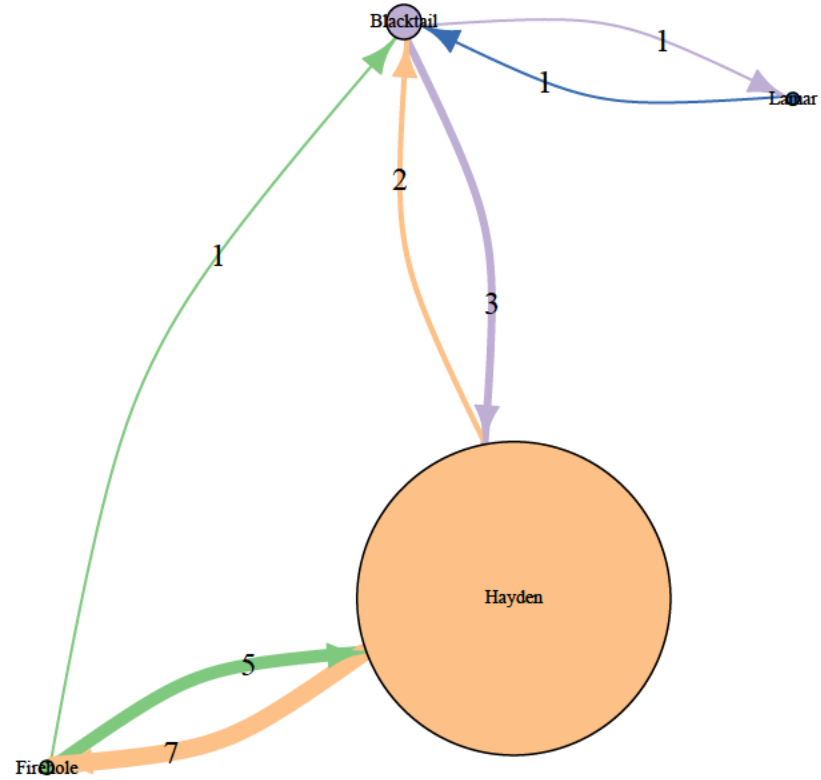
**Movements among main grazing areas  
2005 (No. collars = 13)**



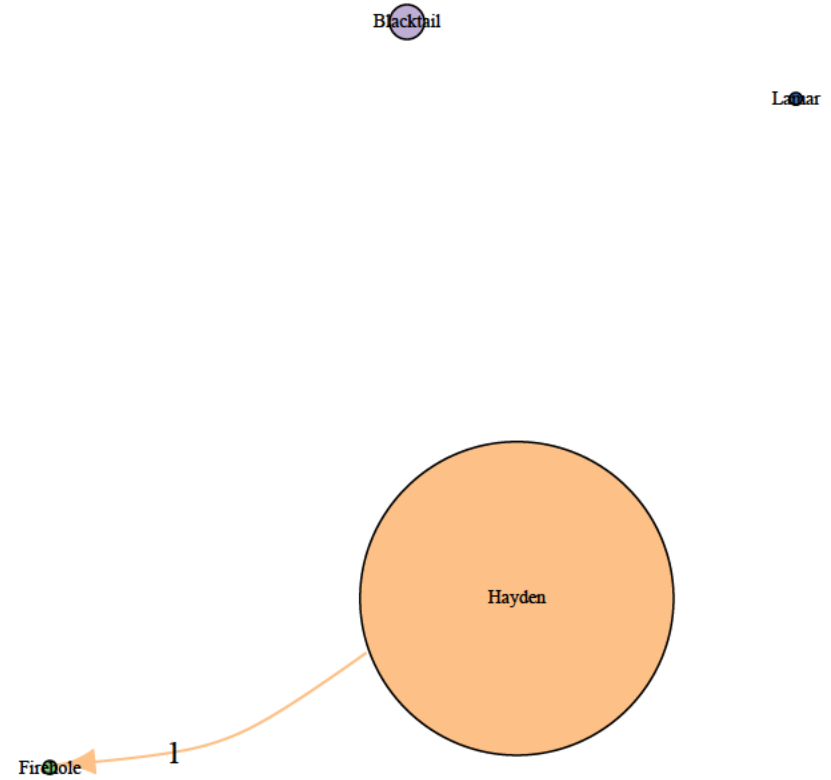
**Movements among main grazing areas  
during breeding season  
2005 (No. collars = 13)**



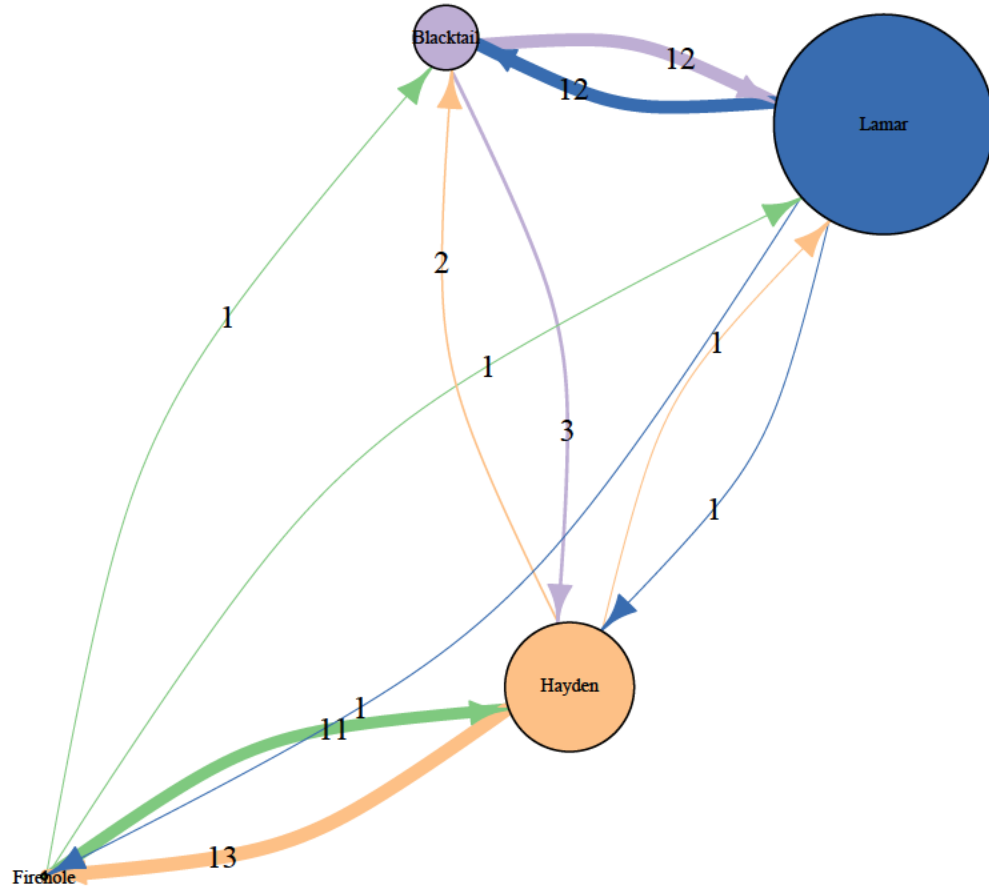
**Movements among main grazing areas  
2006 (No. collars = 8)**



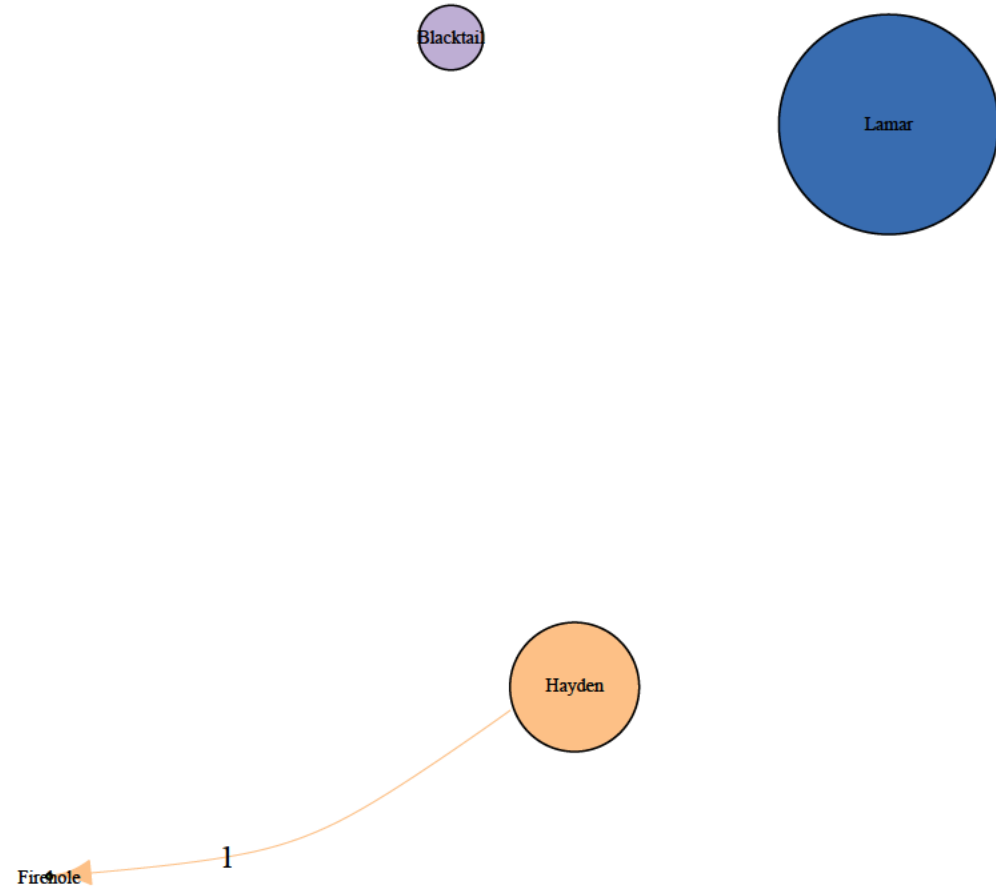
**Movements among main grazing areas  
during breeding season  
2006 (No. collars = 8)**



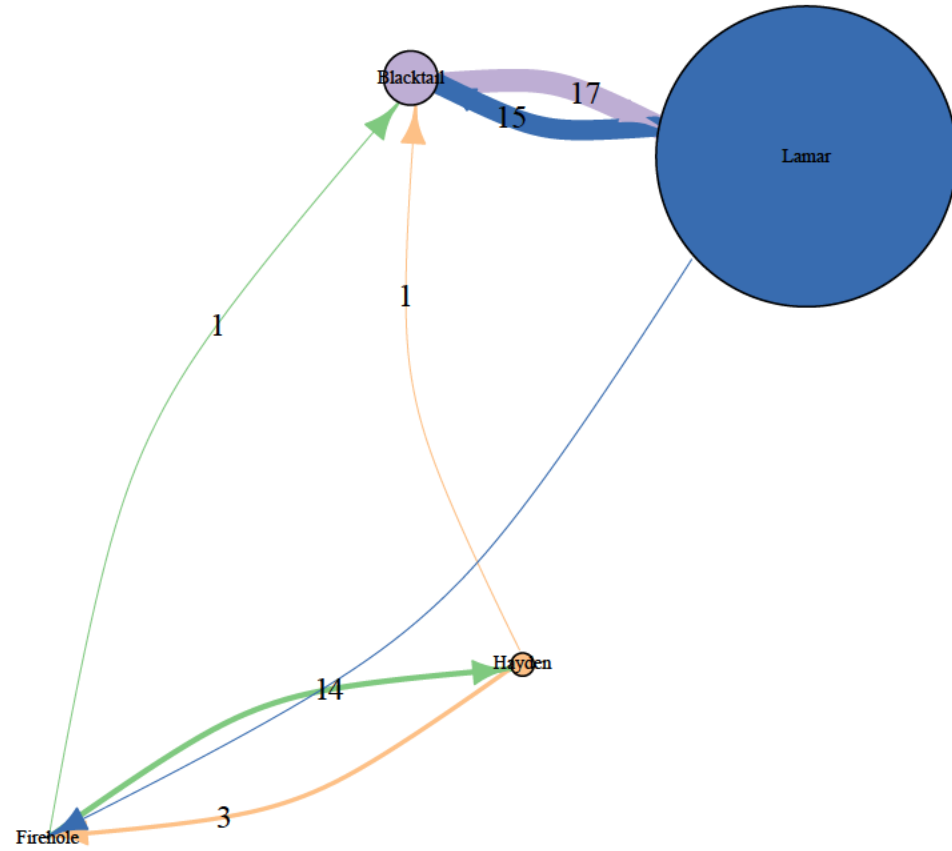
**Movements among main grazing areas  
2007 (No. collars = 19)**



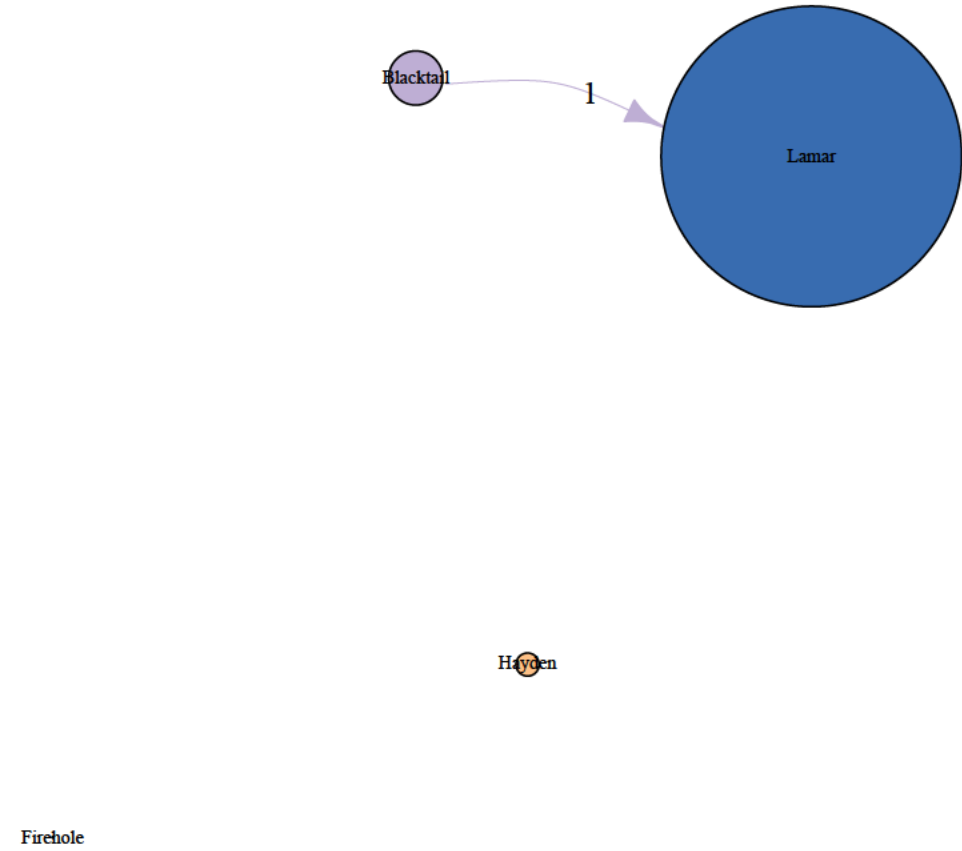
**Movements among main grazing areas  
during breeding season  
2007 (No. collars = 19)**



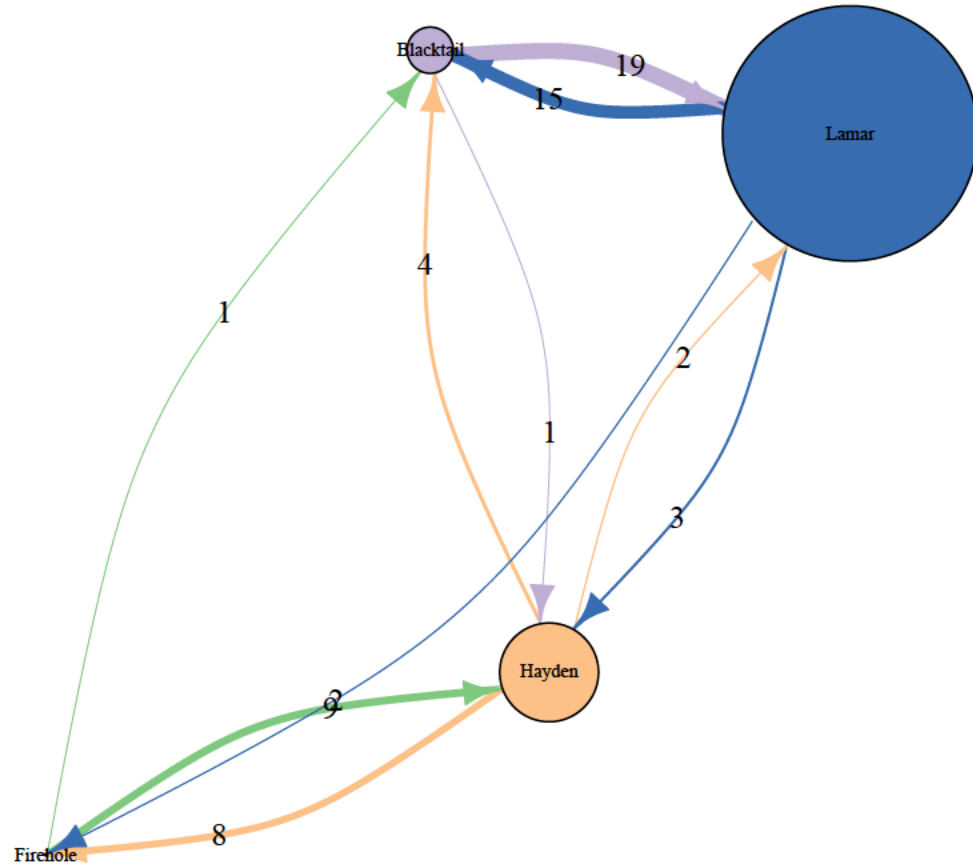
**Movements among main grazing areas  
2008 (No. collars = 15)**



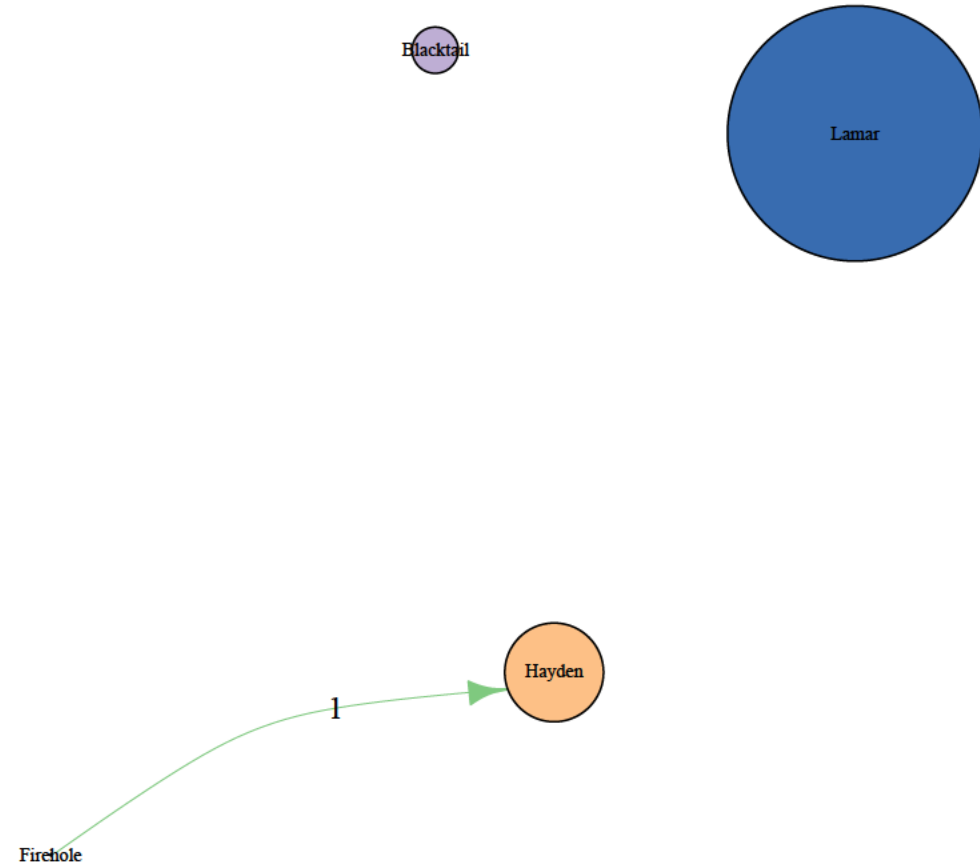
**Movements among main grazing areas  
during breeding season  
2008 (No. collars = 15)**



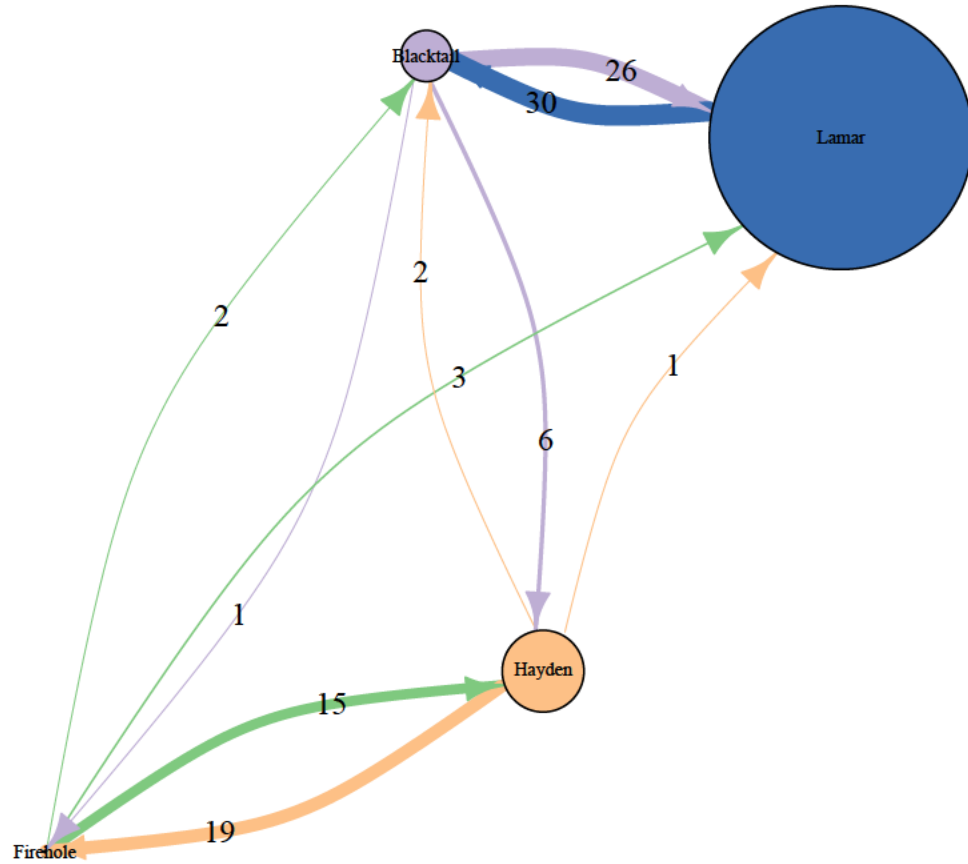
**Movements among main grazing areas  
2009 (No. collars = 24)**



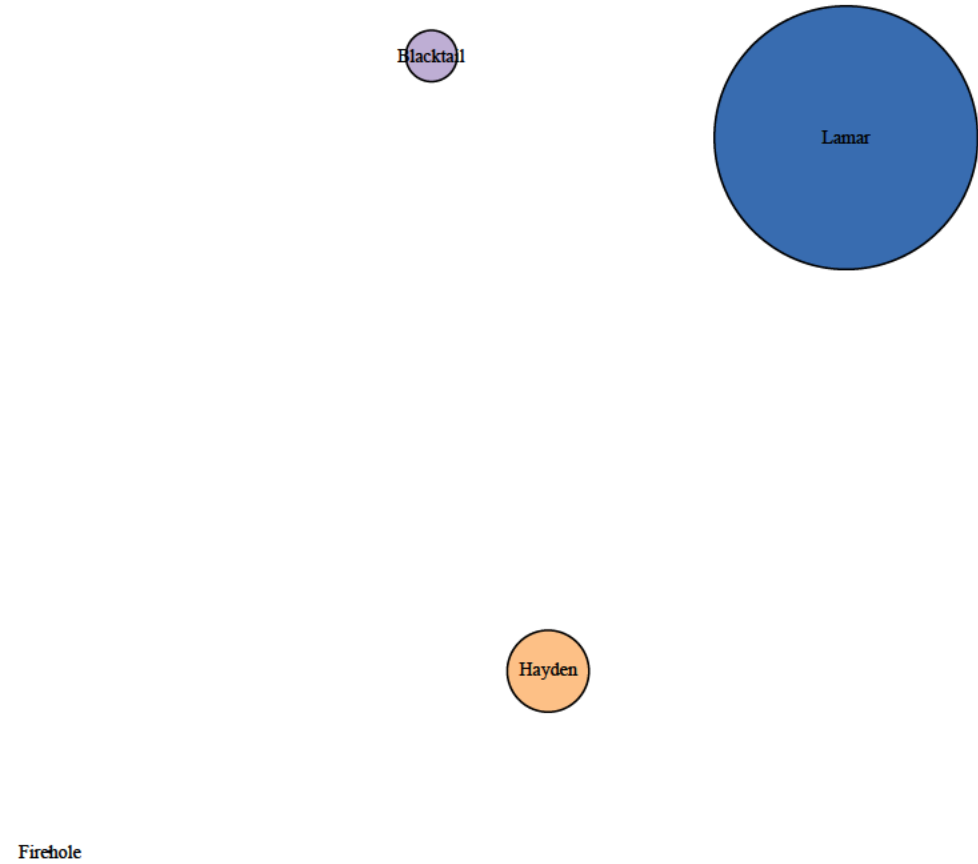
**Movements among main grazing areas  
during breeding season  
2009 (No. collars = 24)**



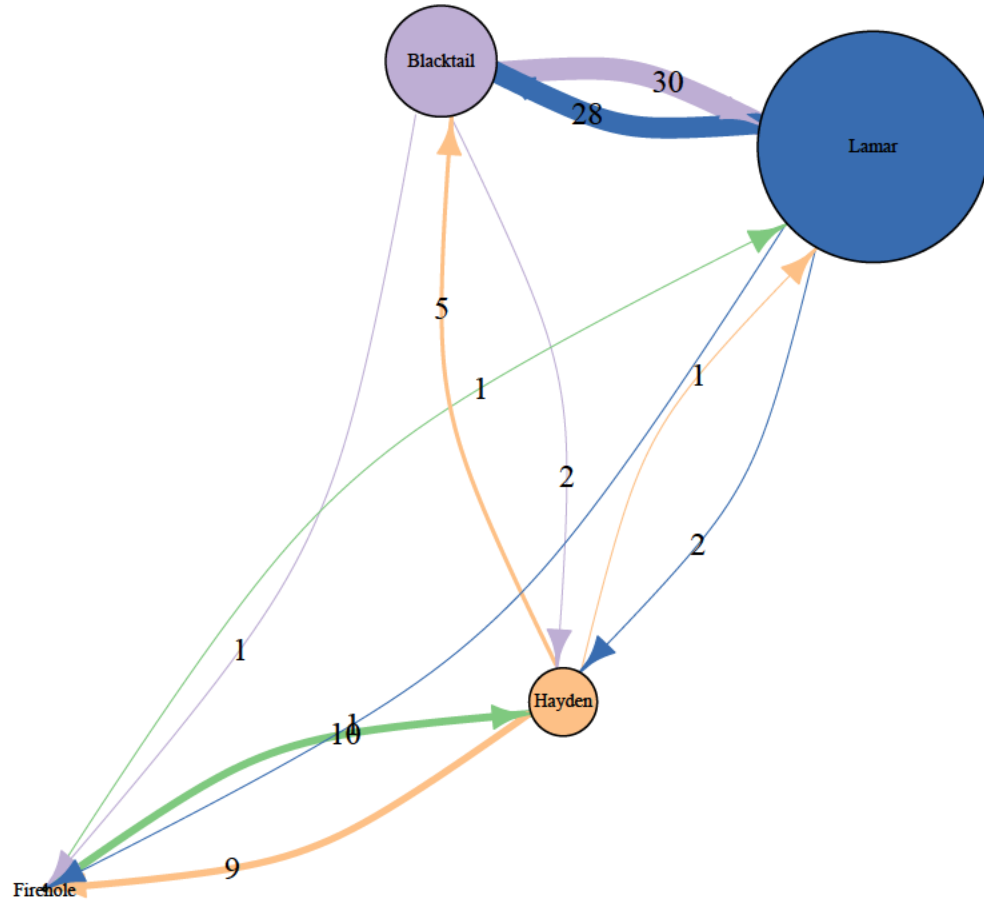
**Movements among main grazing areas  
2010 (No. collars = 30)**



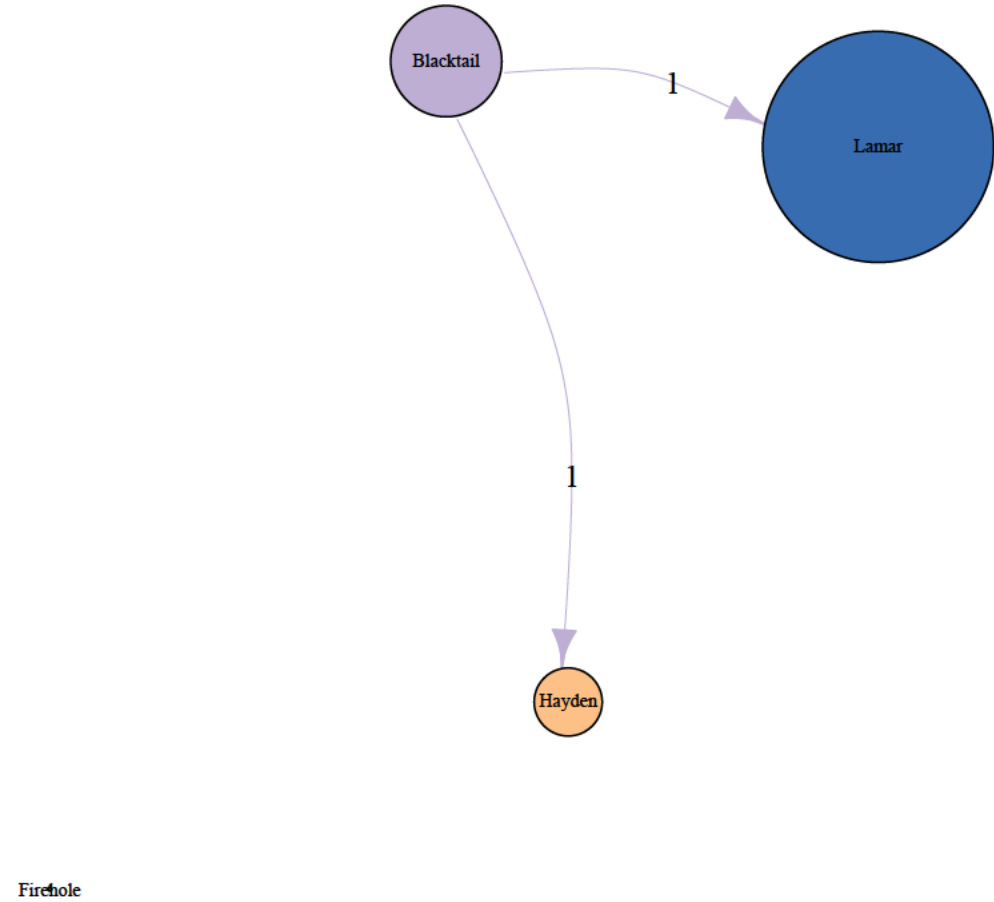
**Movements among main grazing areas  
during breeding season  
2010 (No. collars = 30)**



**Movements among main grazing areas  
2011 (No. collars = 27)**

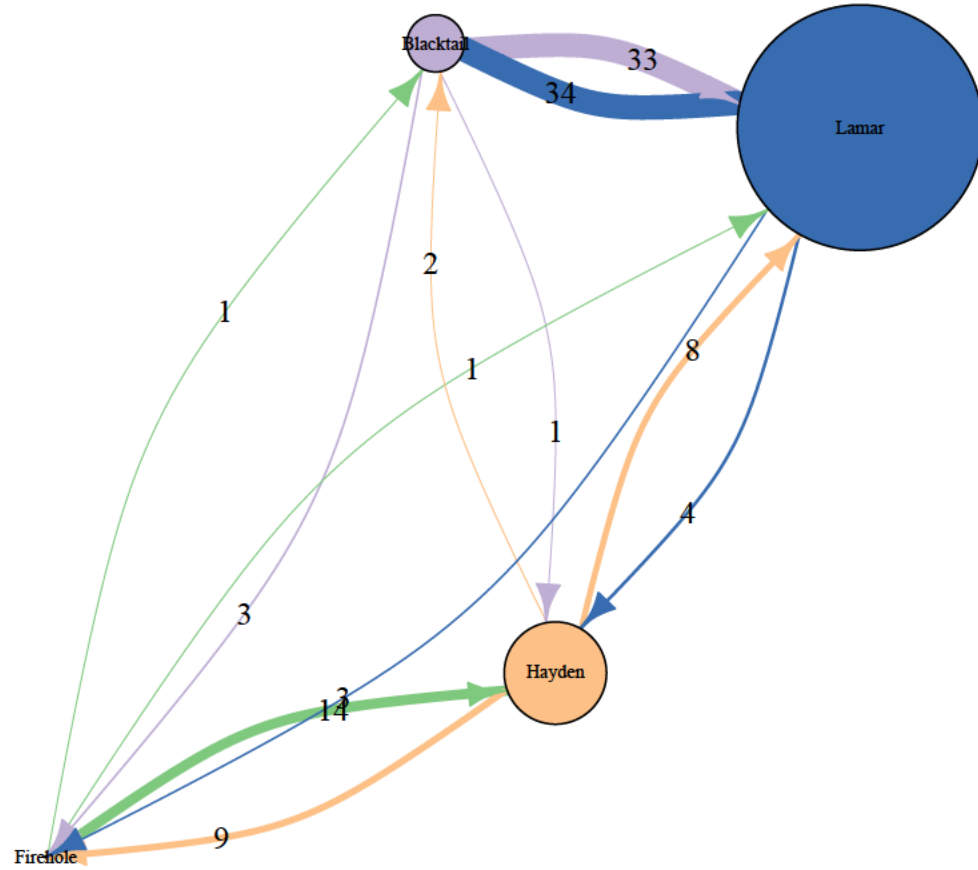


**Movements among main grazing areas  
during breeding season  
2011 (No. collars = 27)**

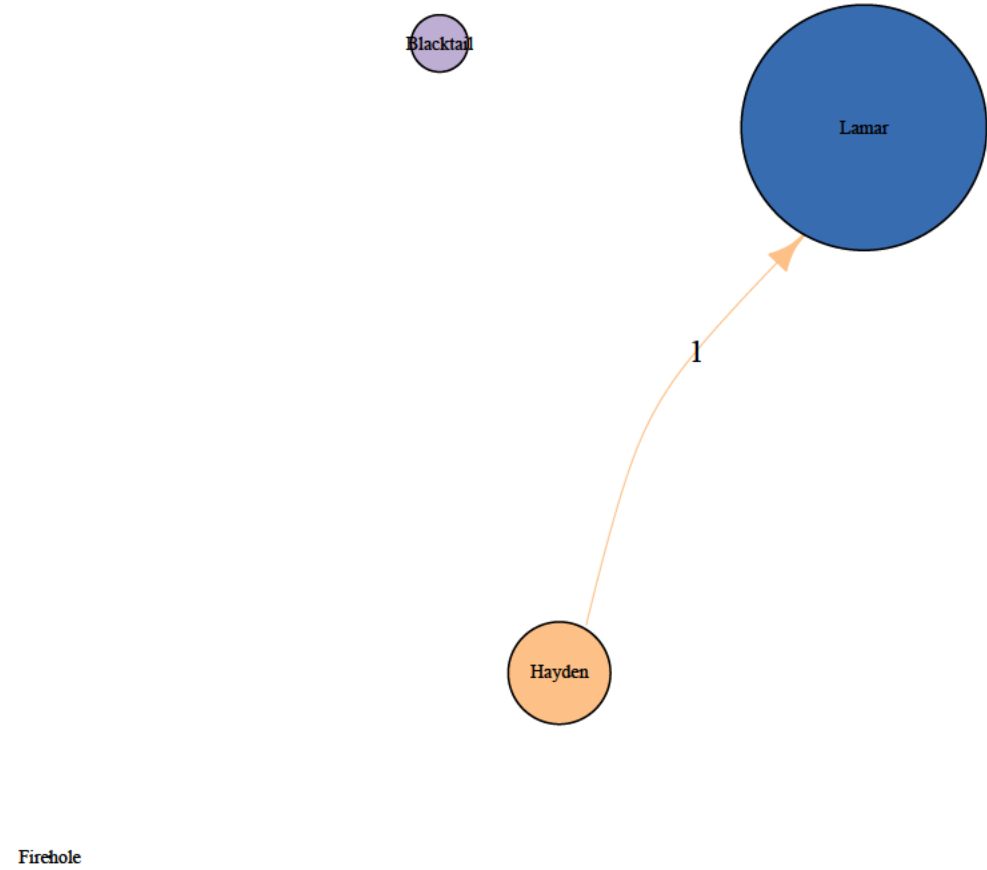




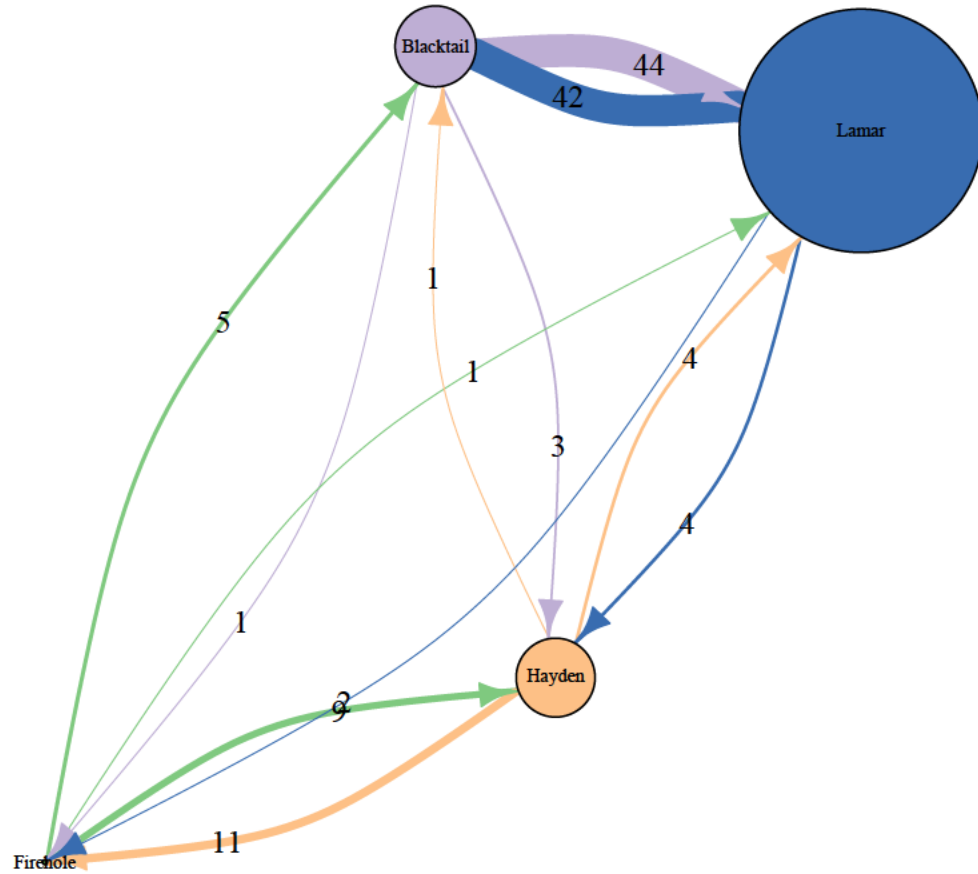
**Movements among main grazing areas  
2012 (No. collars = 28)**



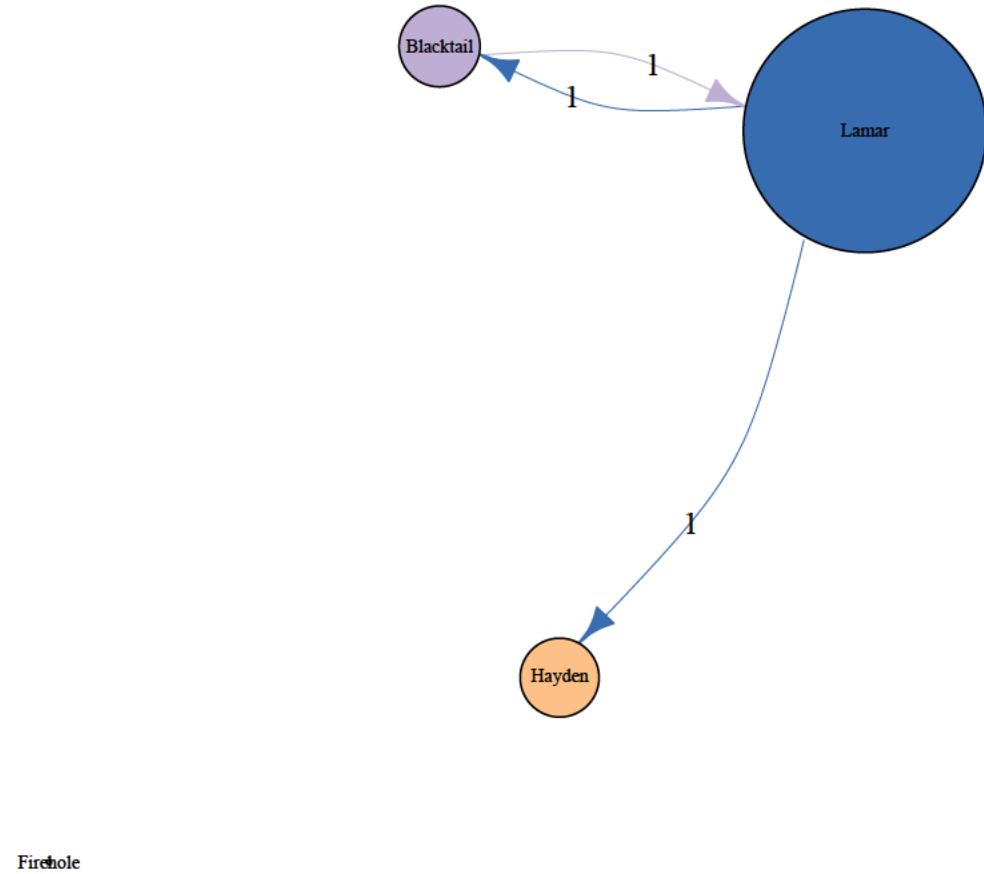
**Movements among main grazing areas  
during breeding season  
2012 (No. collars = 28)**



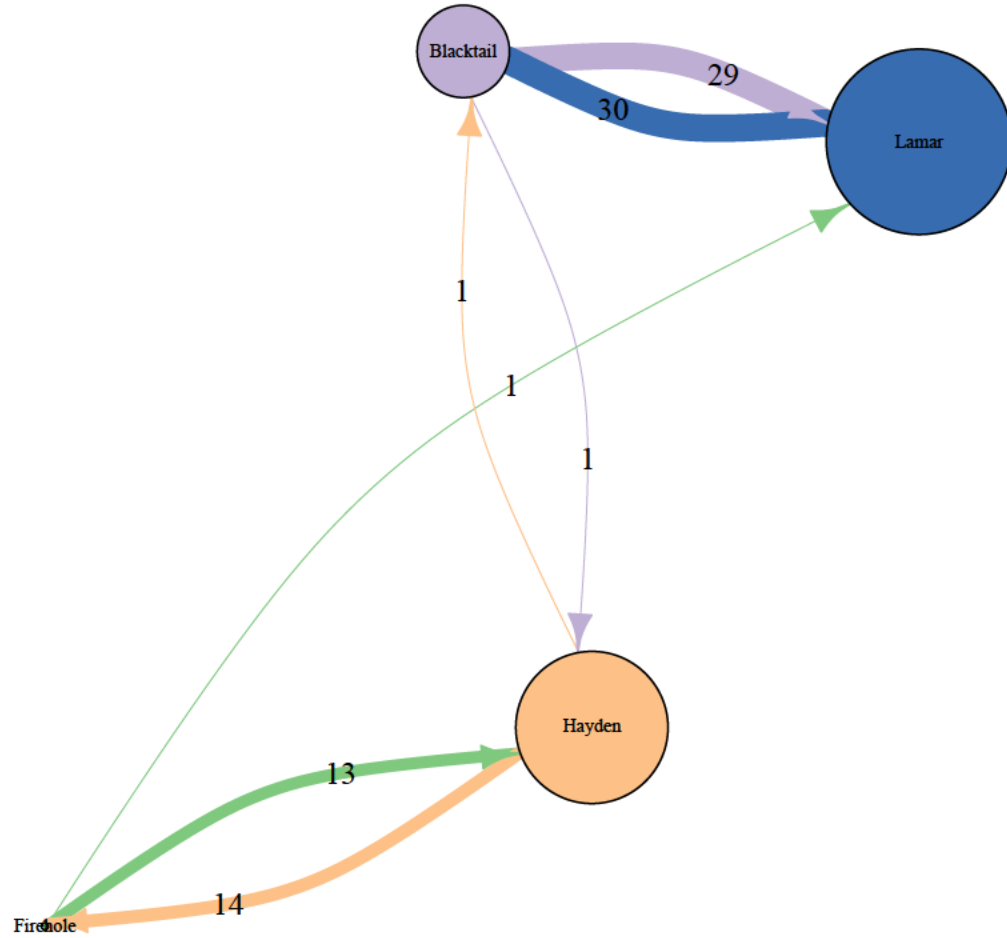
**Movements among main grazing areas  
2013 (No. collars = 27)**



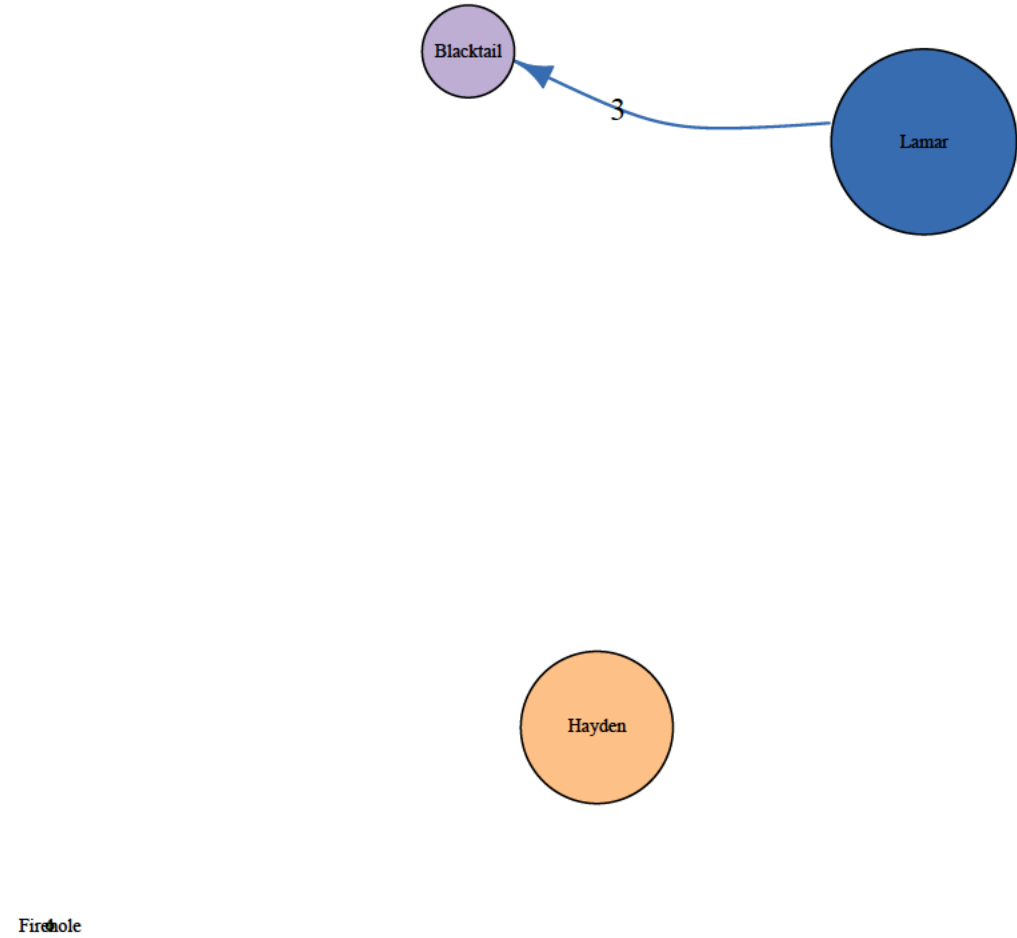
**Movements among main grazing areas  
during breeding season  
2013 (No. collars = 27)**



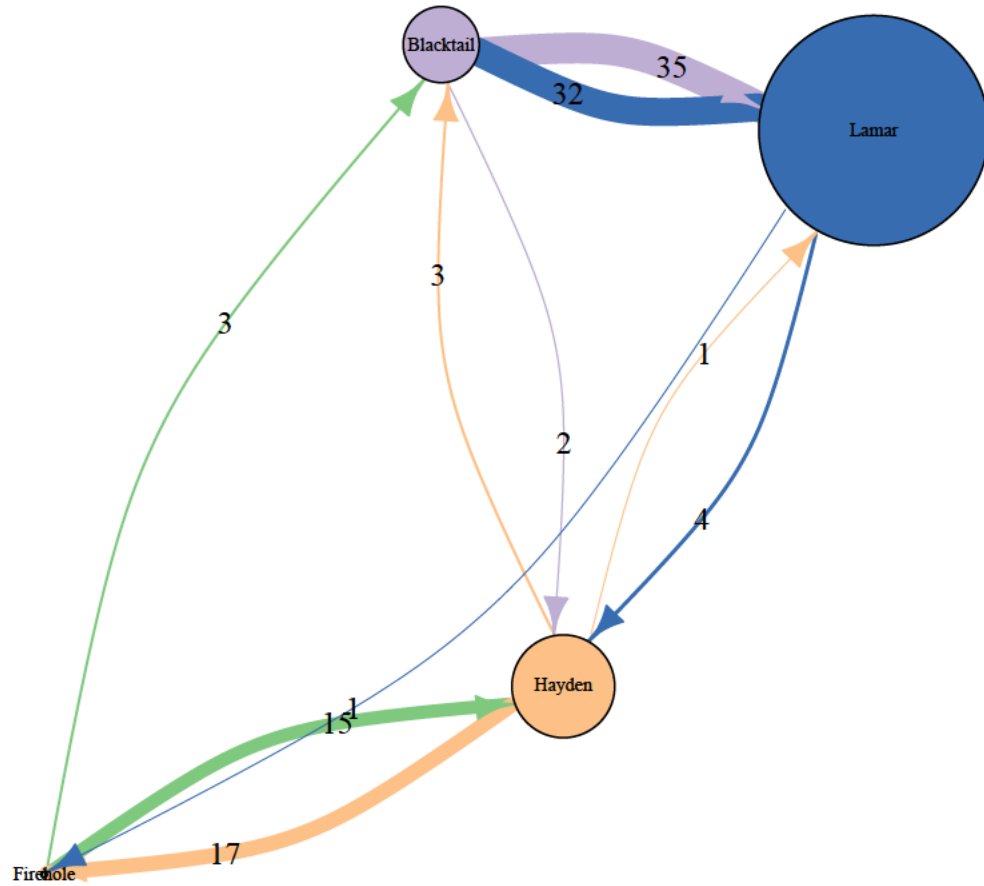
**Movements among main grazing areas  
2014 (No. collars = 22)**



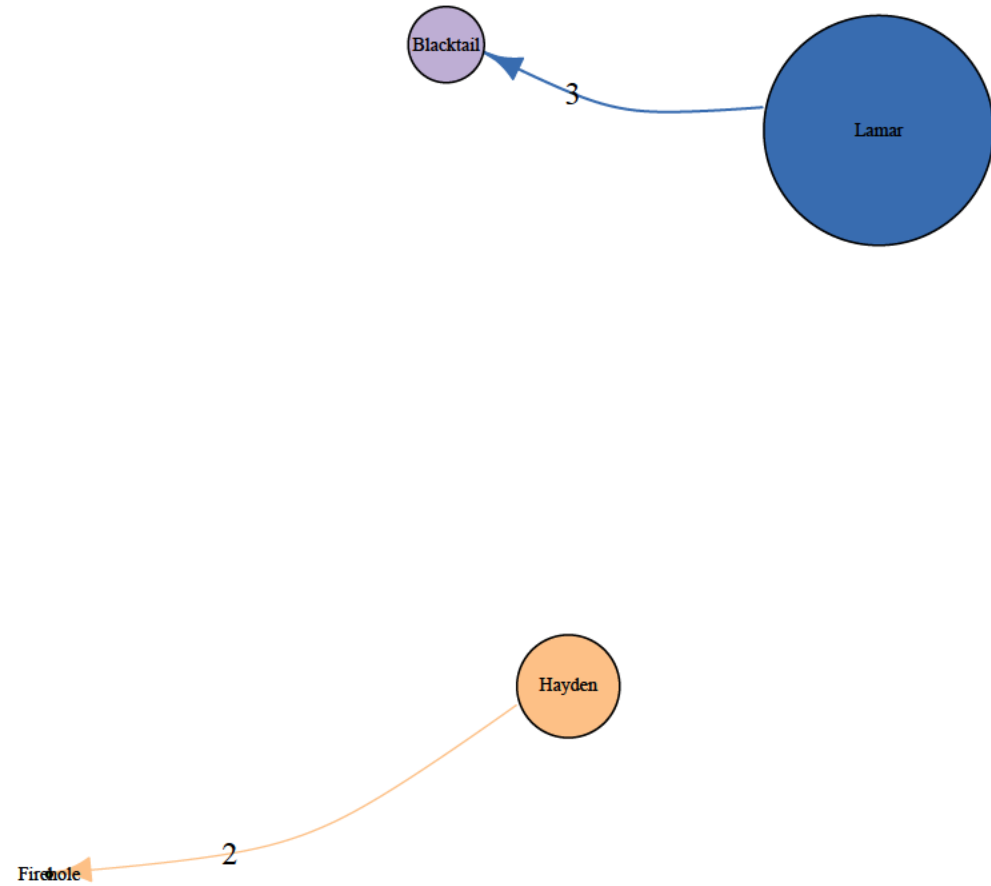
**Movements among main grazing areas  
during breeding season  
2014 (No. collars = 22)**



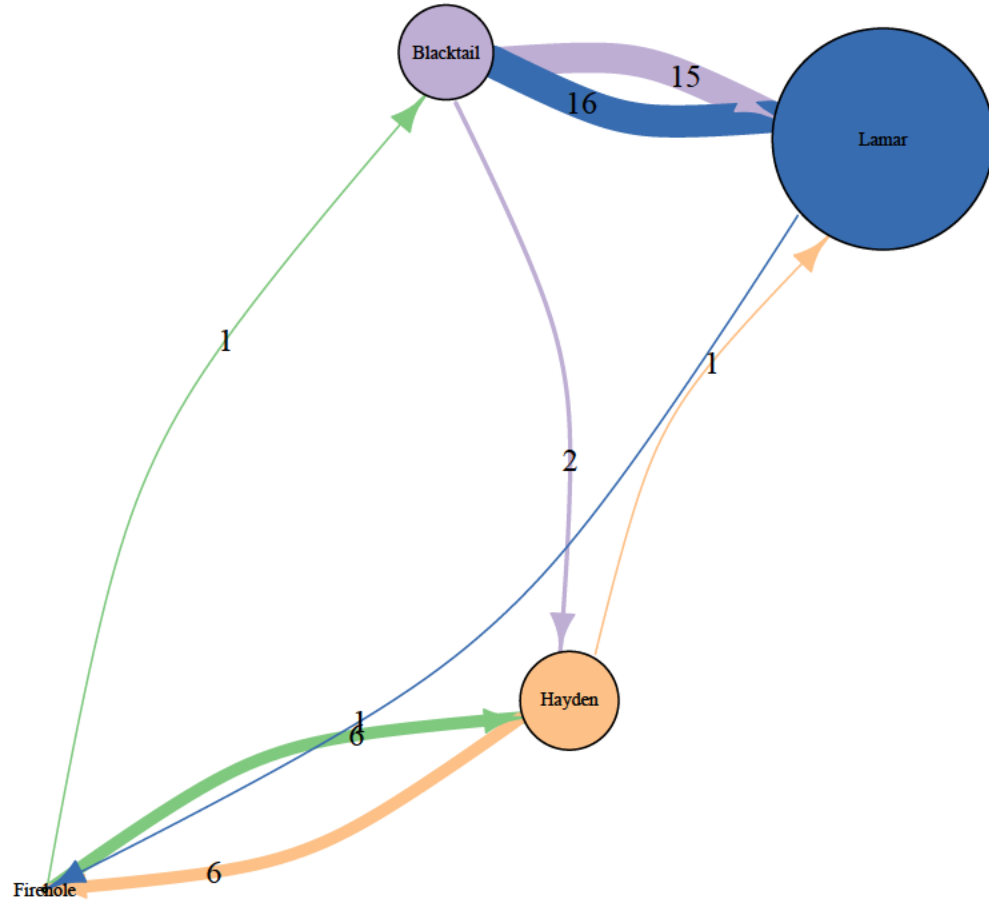
**Movements among main grazing areas  
2015 (No. collars = 23)**



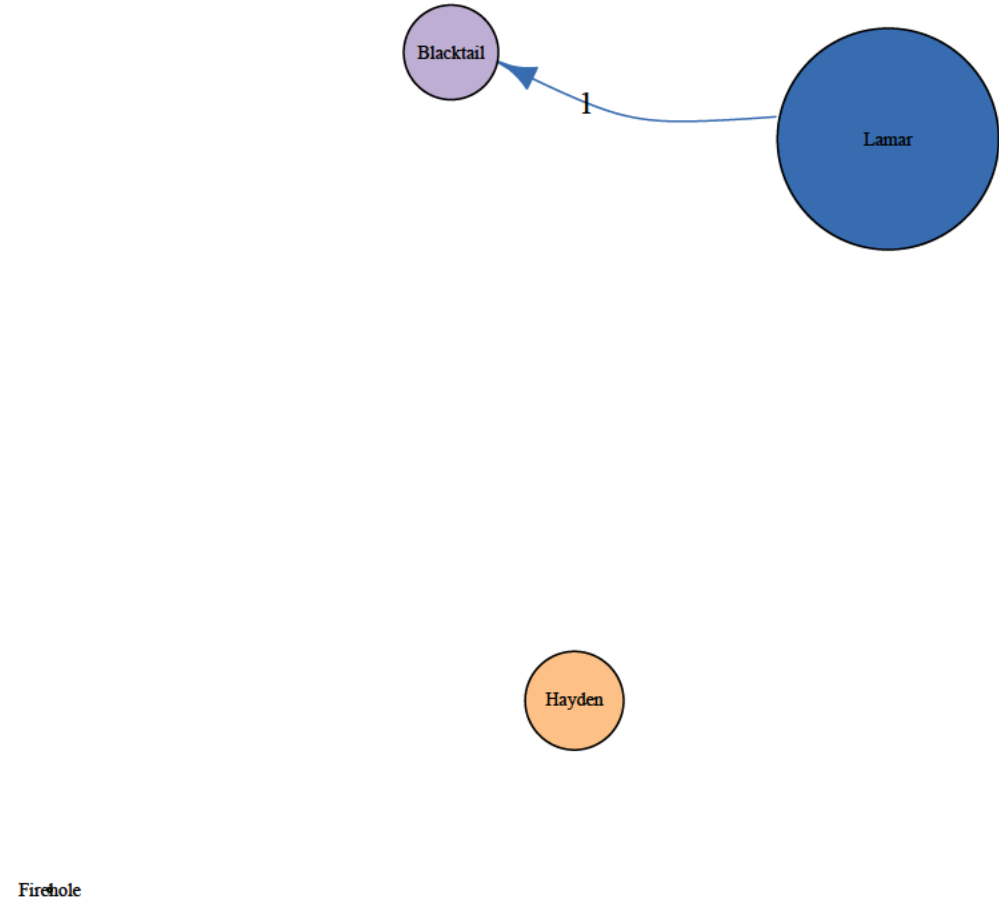
**Movements among main grazing areas  
during breeding season  
2015 (No. collars = 23)**



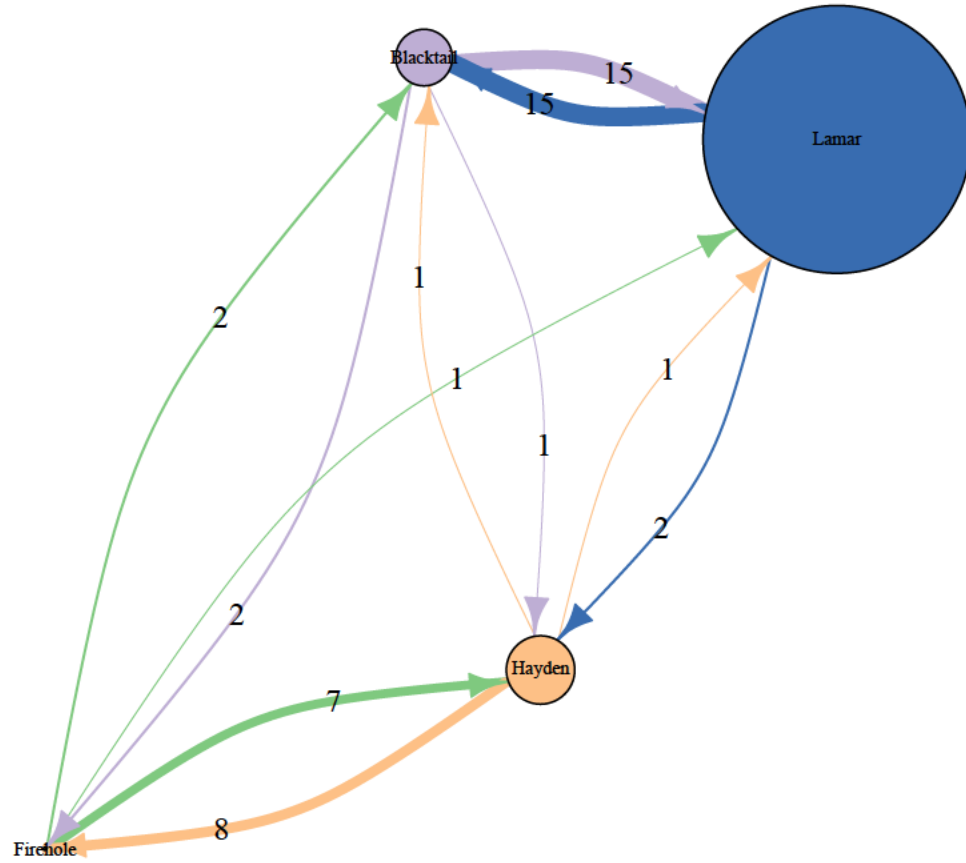
**Movements among main grazing areas  
2016 (No. collars = 10)**



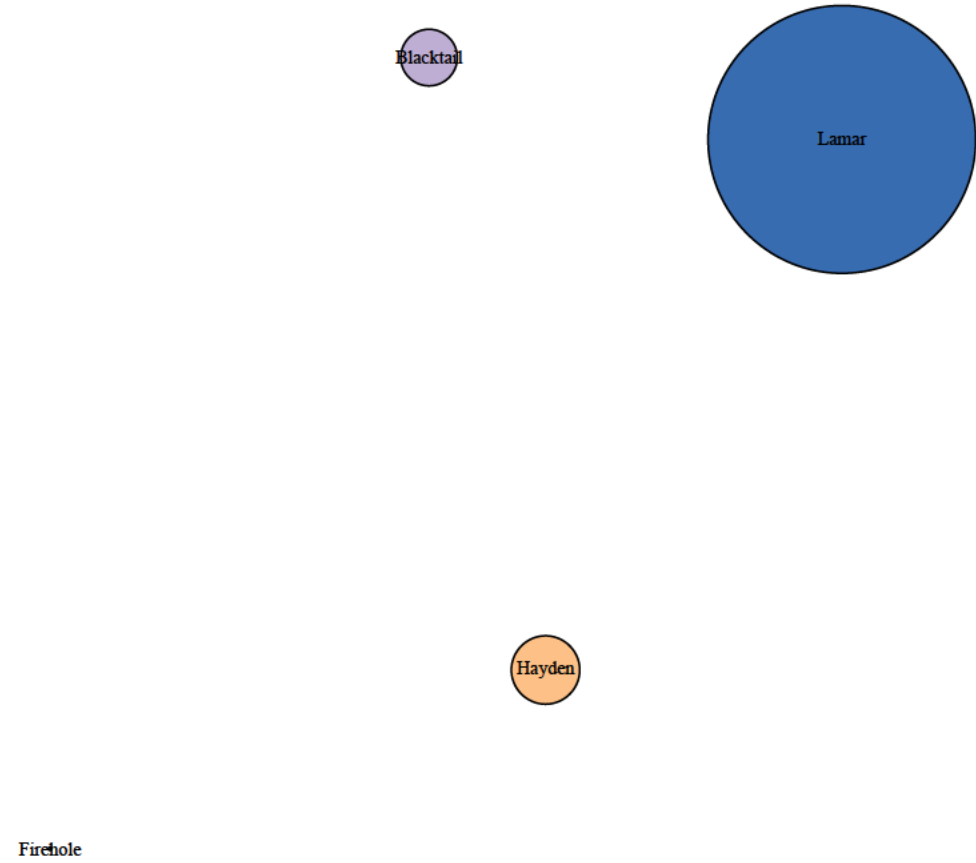
**Movements among main grazing areas  
during breeding season  
2016 (No. collars = 10)**



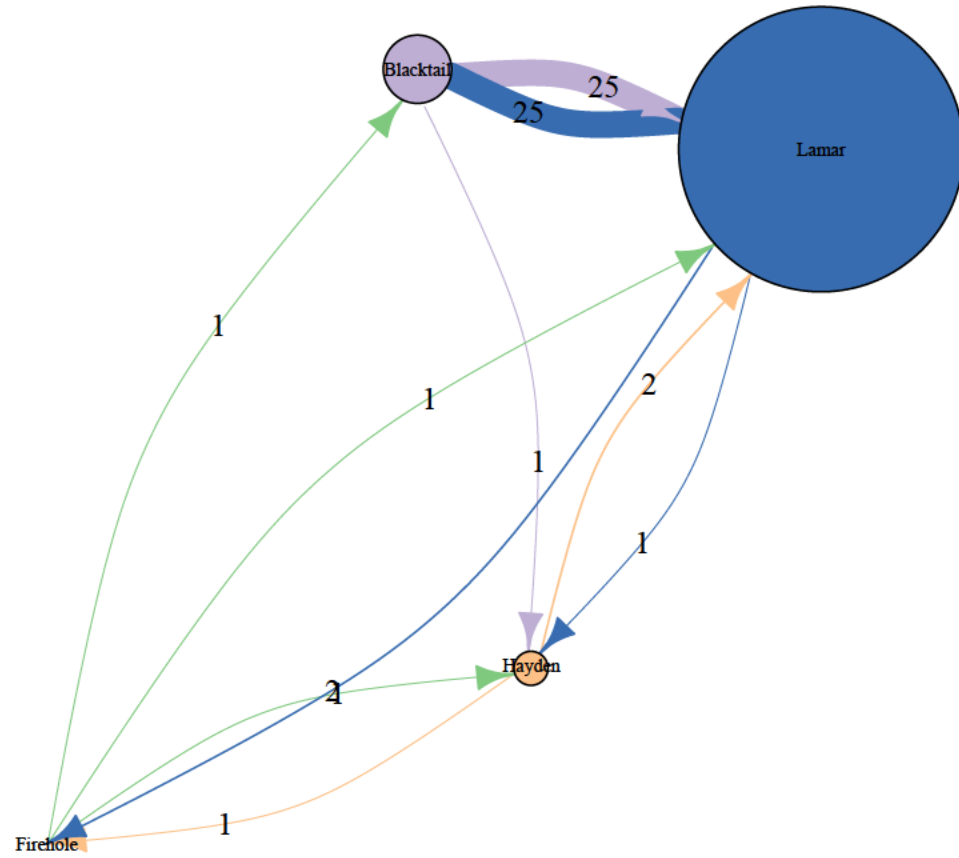
**Movements among main grazing areas  
2017 (No. collars = 16)**



**Movements among main grazing areas  
during breeding season  
2017 (No. collars = 16)**



**Movements among main grazing areas  
2018 (No. collars = 19)**



**Movements among main grazing areas  
during breeding season  
2018 (No. collars = 19)**

