

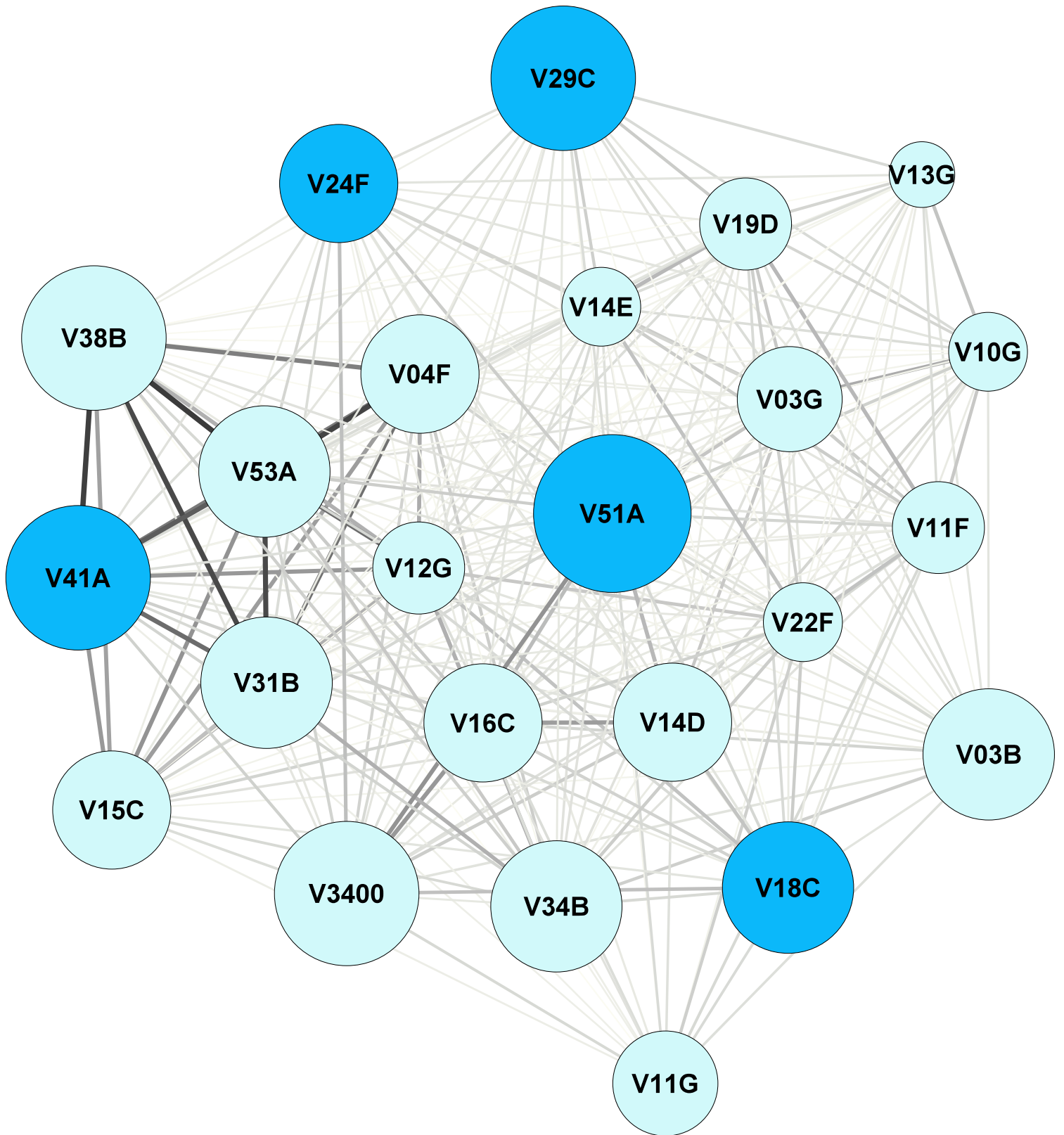
Long term analysis of social structure: evidence of age-based consistent social preferences in Alpine ibex

SUPPLEMENTARY MATERIAL S1

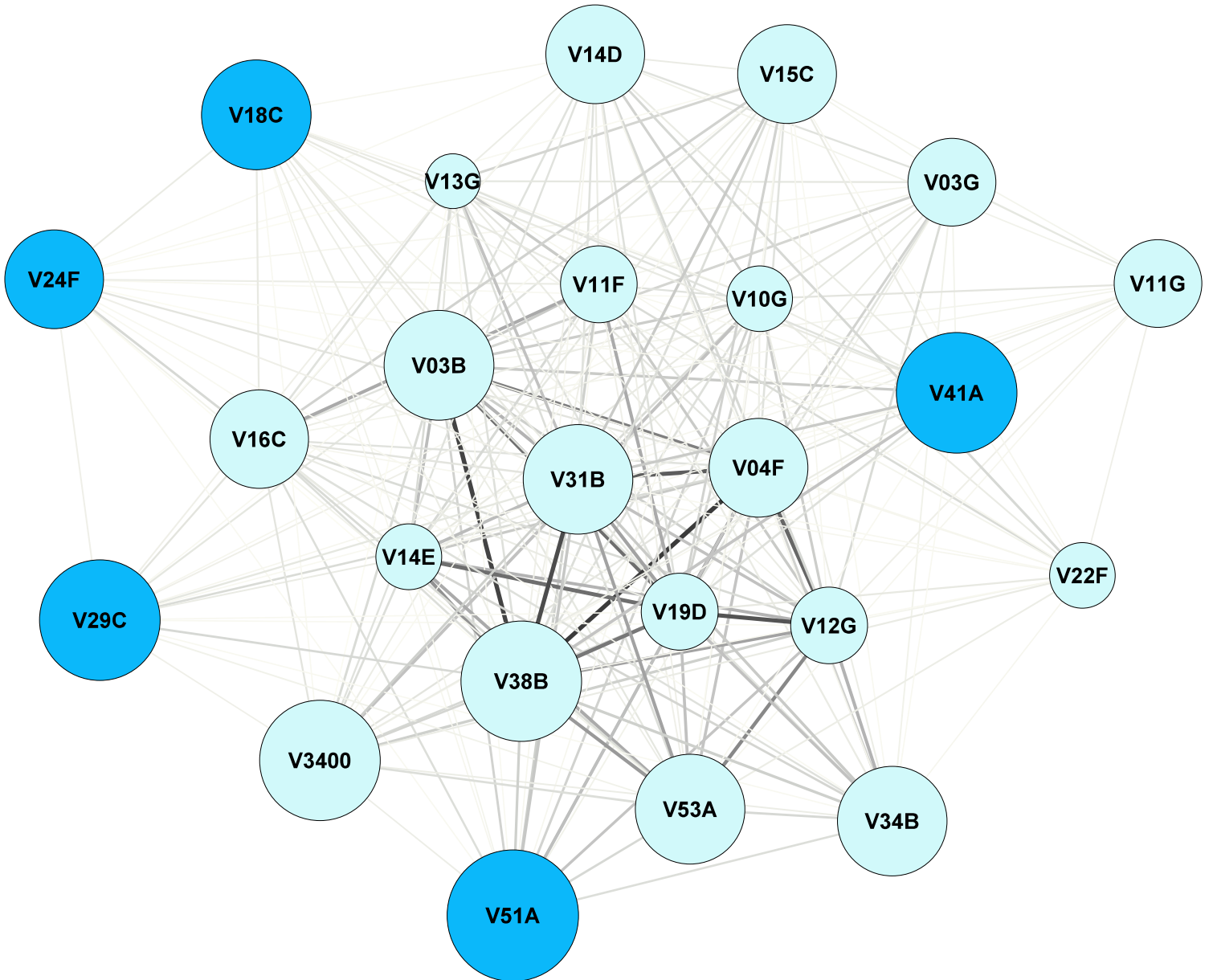
The following pages contain the graphical representation of the weighted association networks of male Alpine ibex in spring and summer season of each year of the study (2008-2018).

Graphs were created using Gephi 0.9.2 (Bastian et al., 2009) with the “ForceAtlas” spatialization tool. The colours and width of the edges are proportional to the strength of association (with darker and thicker edges representing stronger associations). The size of the nodes represents the age of the individuals (due to space constrain on the page, the size of the nodes of animals of a given age is not constant in the graphs of different seasons/year). The colours of the nodes represent the value of the binary variable “season preceding death” of the individuals during the year. Individuals that die in the months following data collection are represented in darker colour.

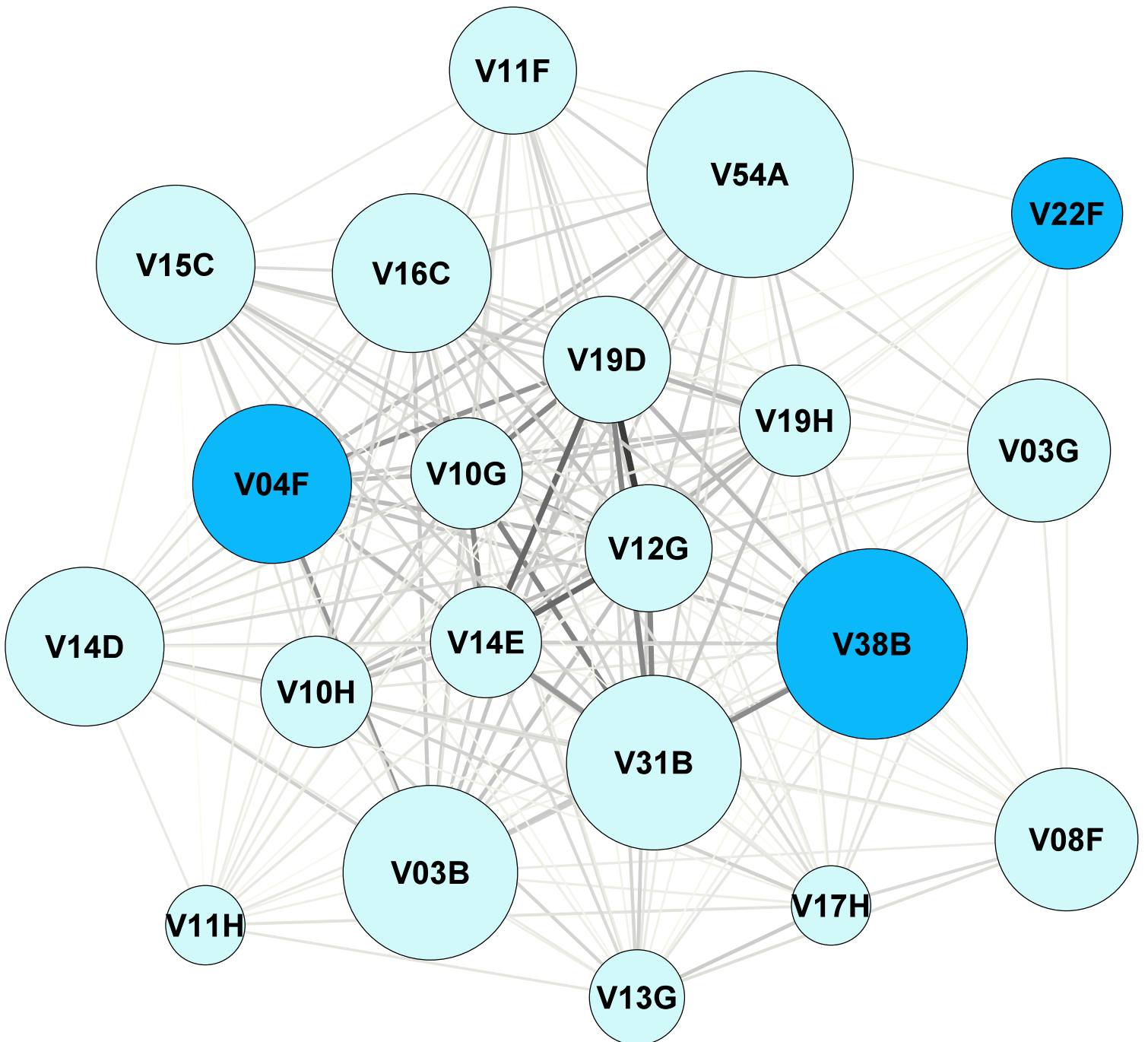
Alpine ibex network spring 2008



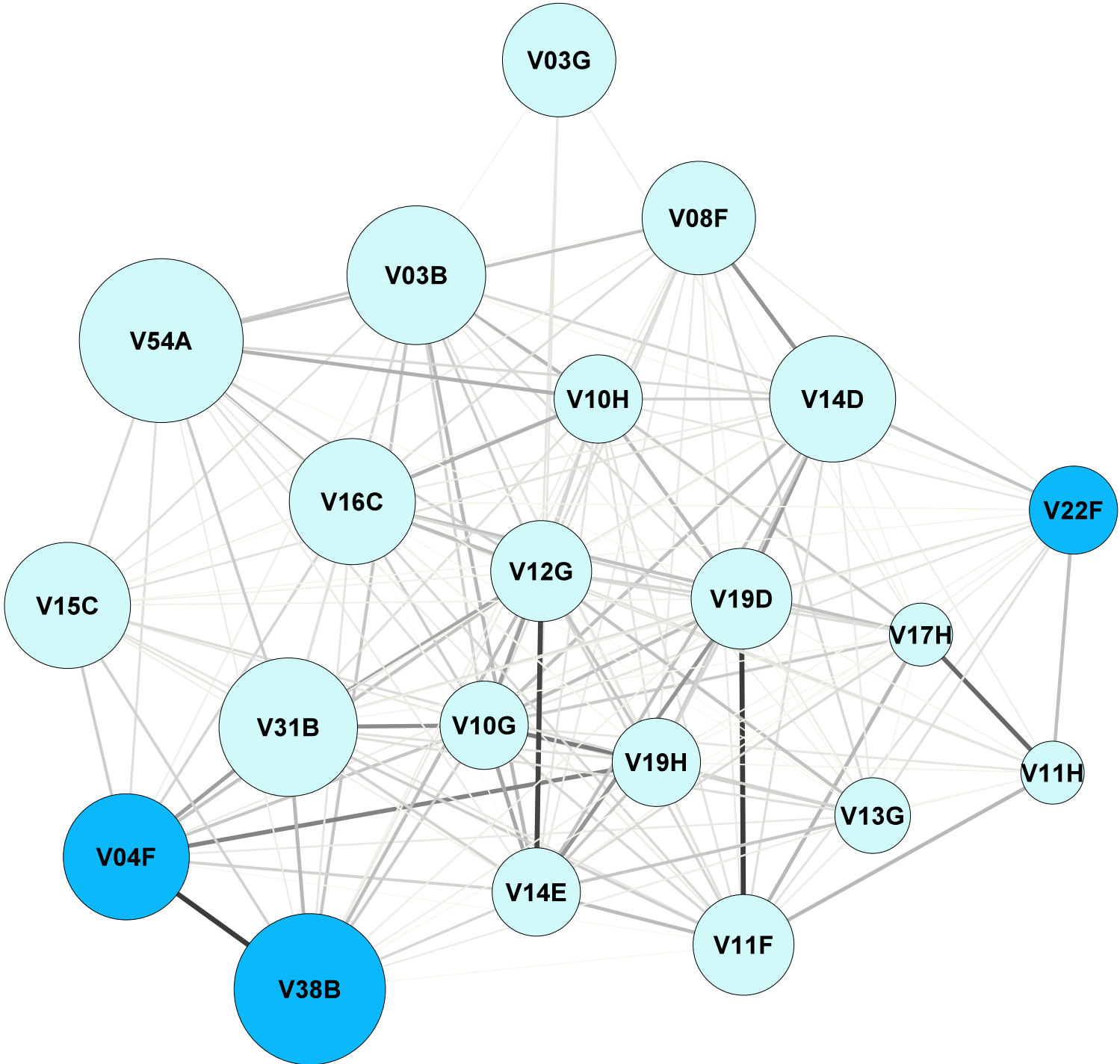
Alpine ibex network summer 2008



Alpine ibex network spring 2009

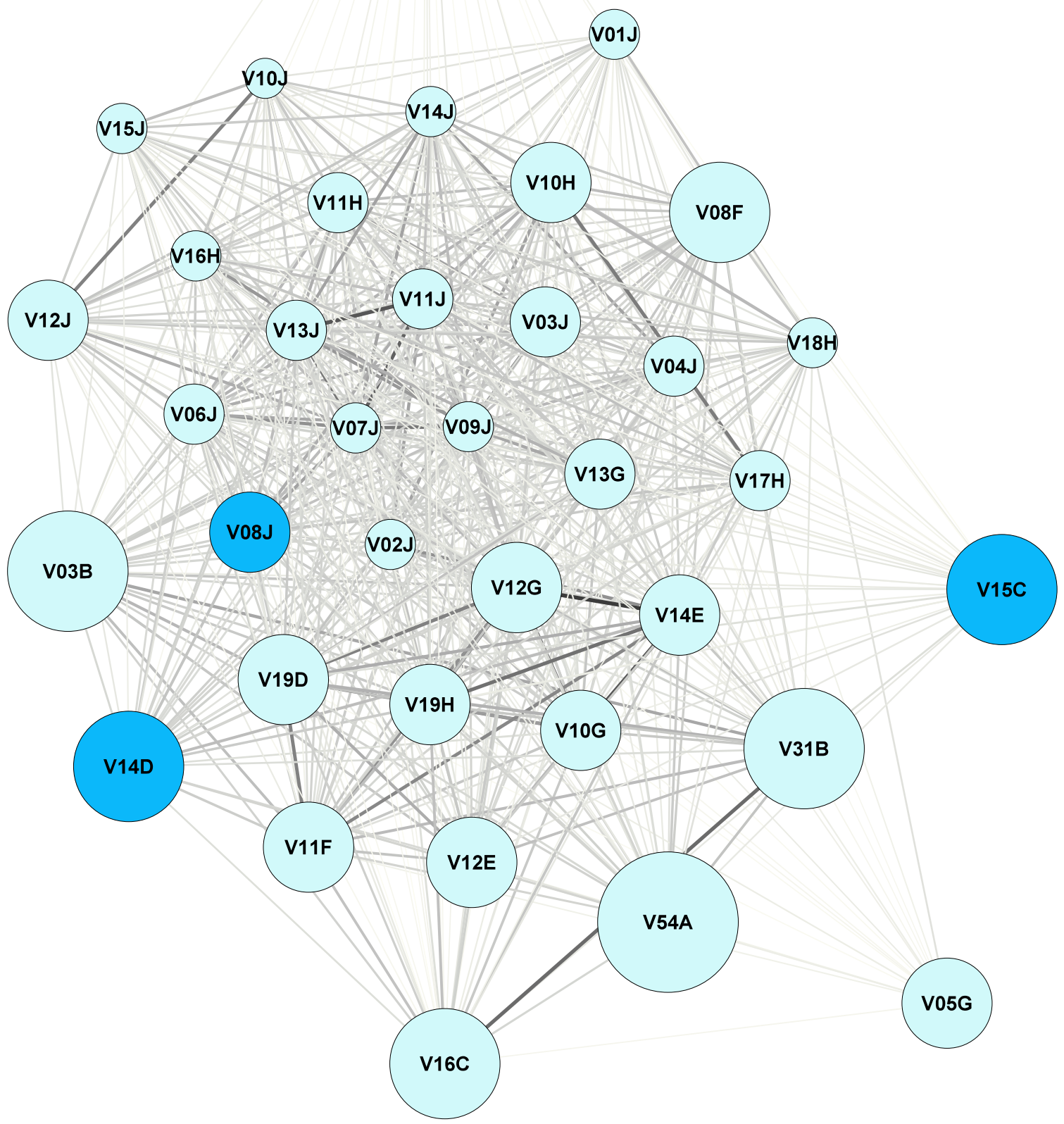


Alpine ibex network summer 2009

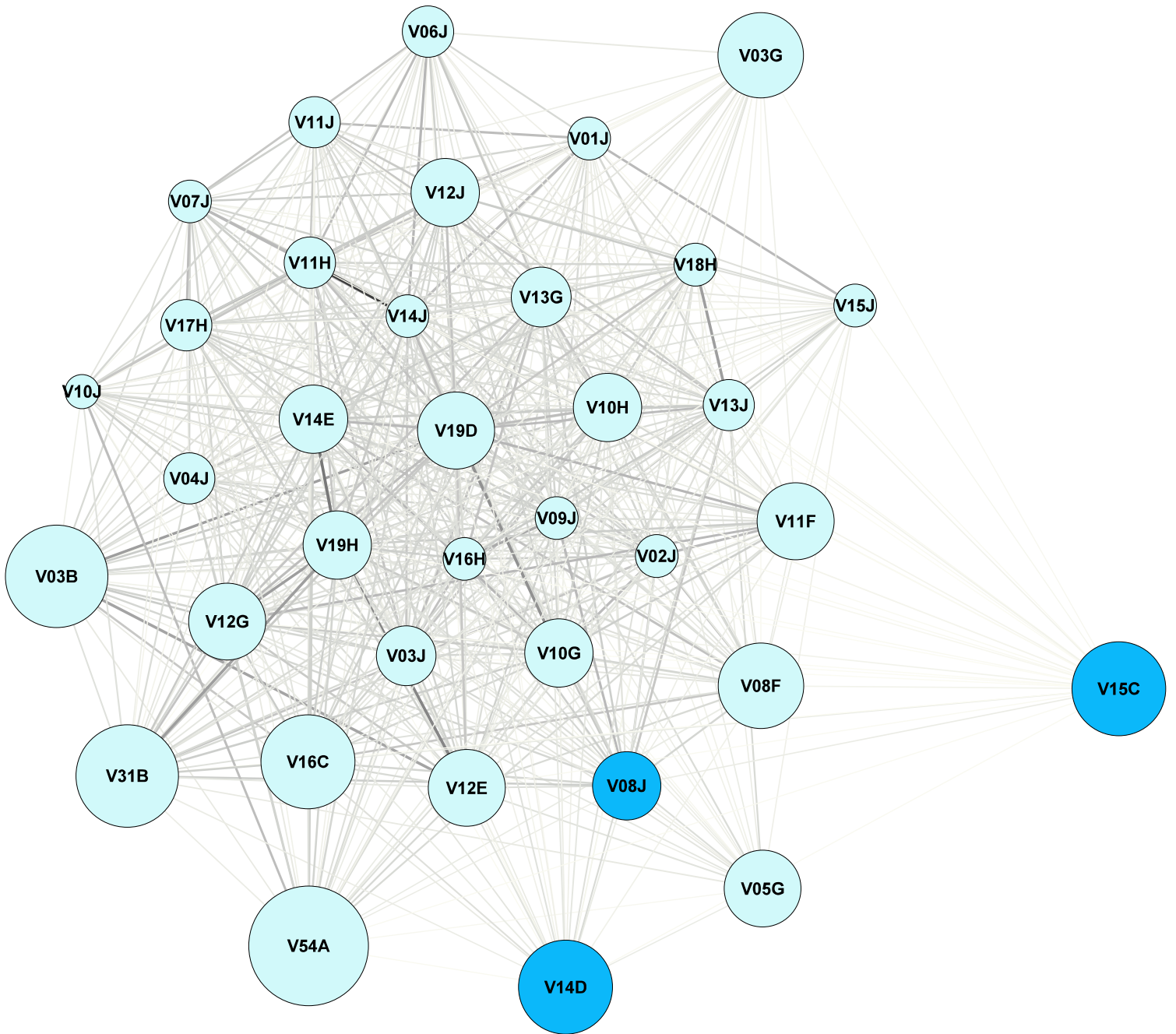


V03G

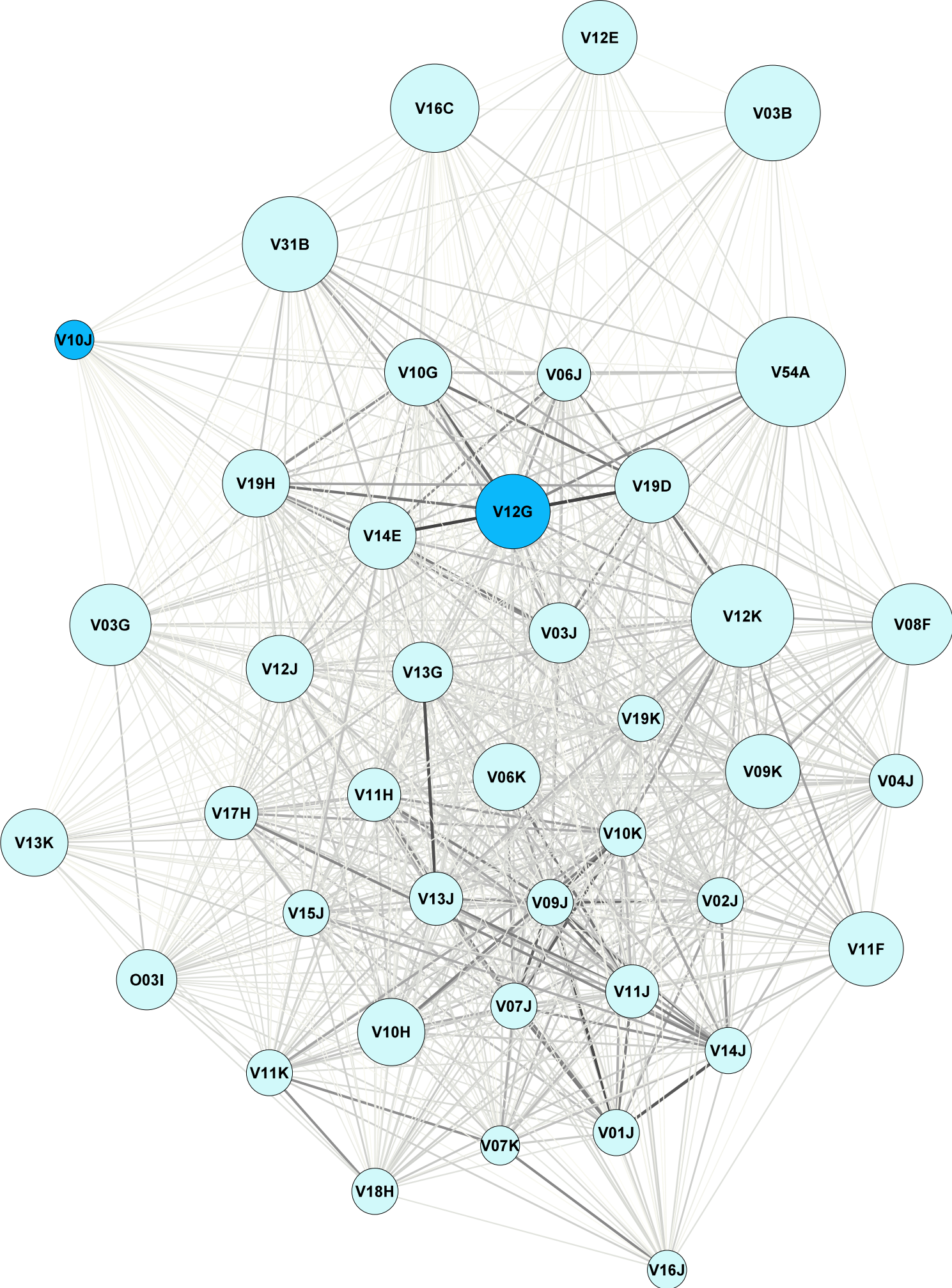
Alpine ibex network spring 2010



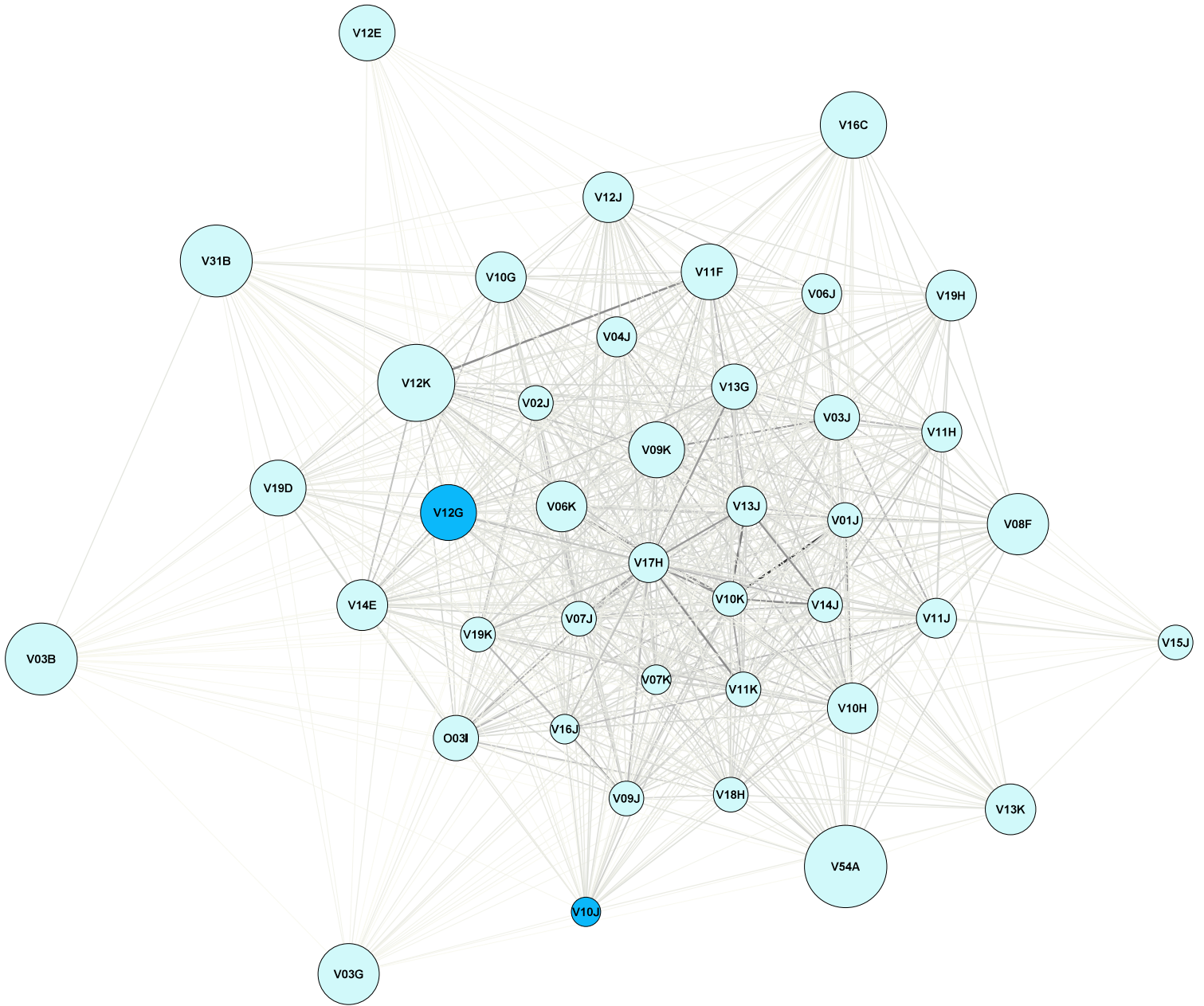
Alpine ibex network summer 2010



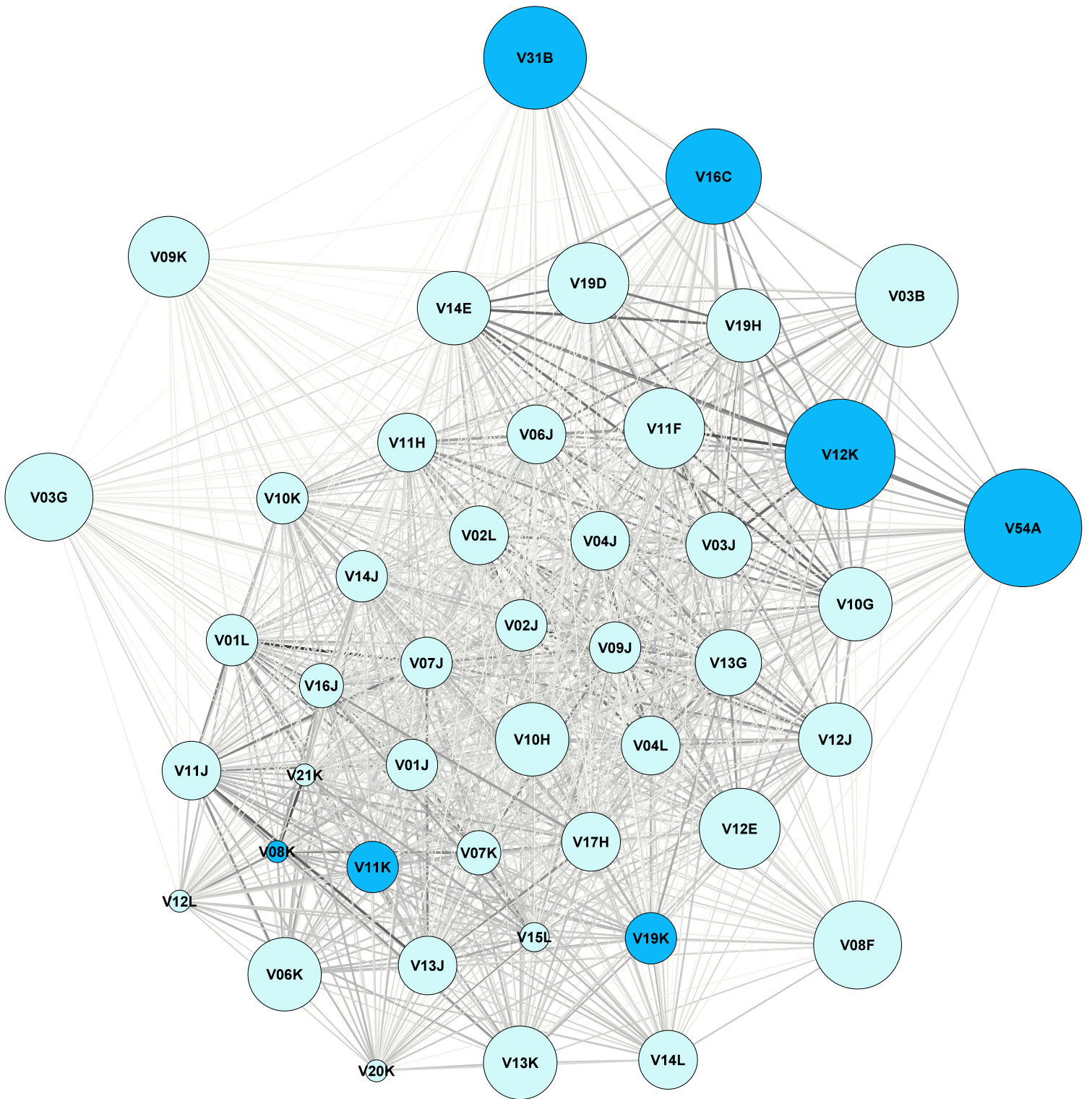
Alpine ibex network spring 2011



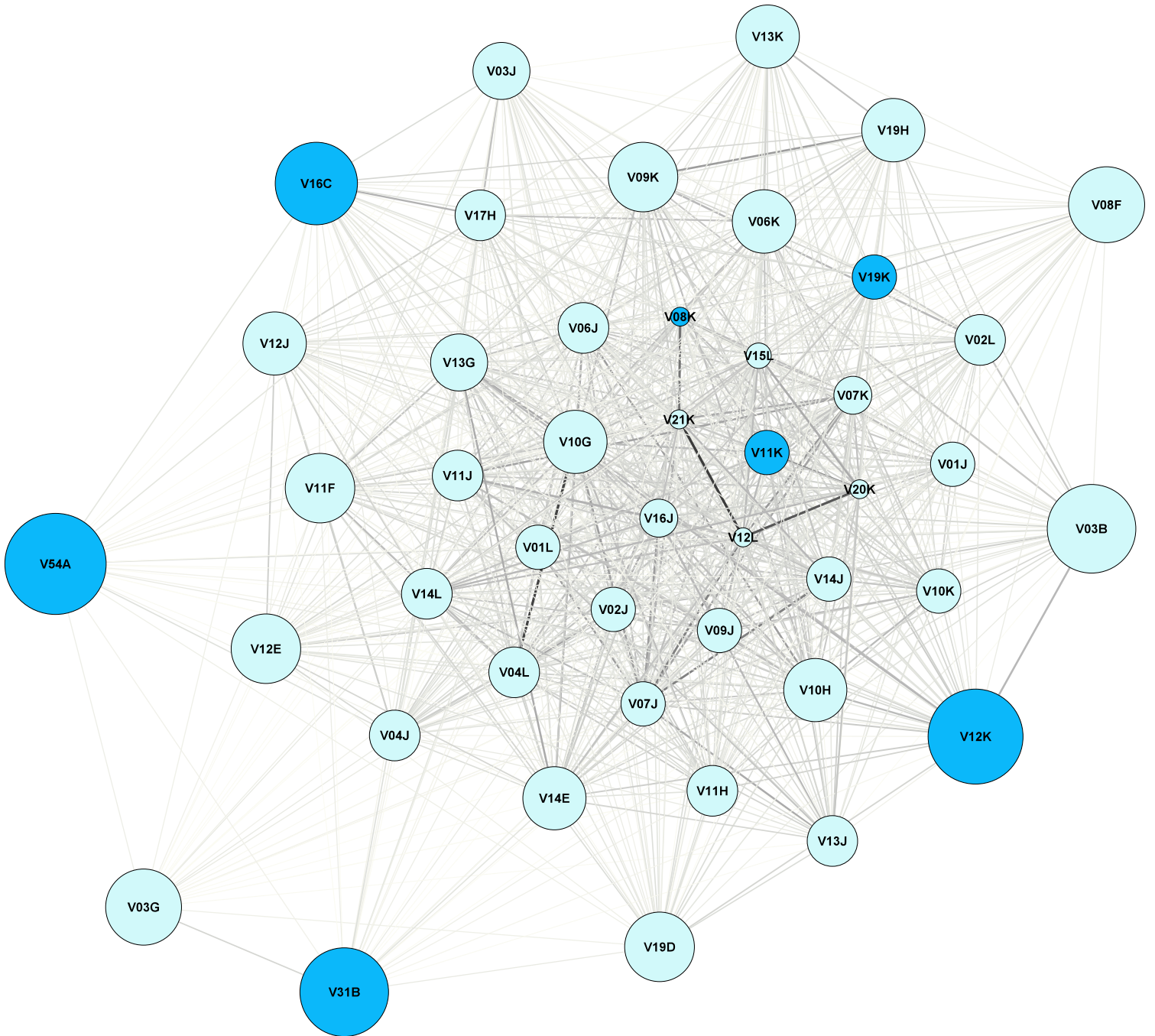
Alpine ibex network summer 2011



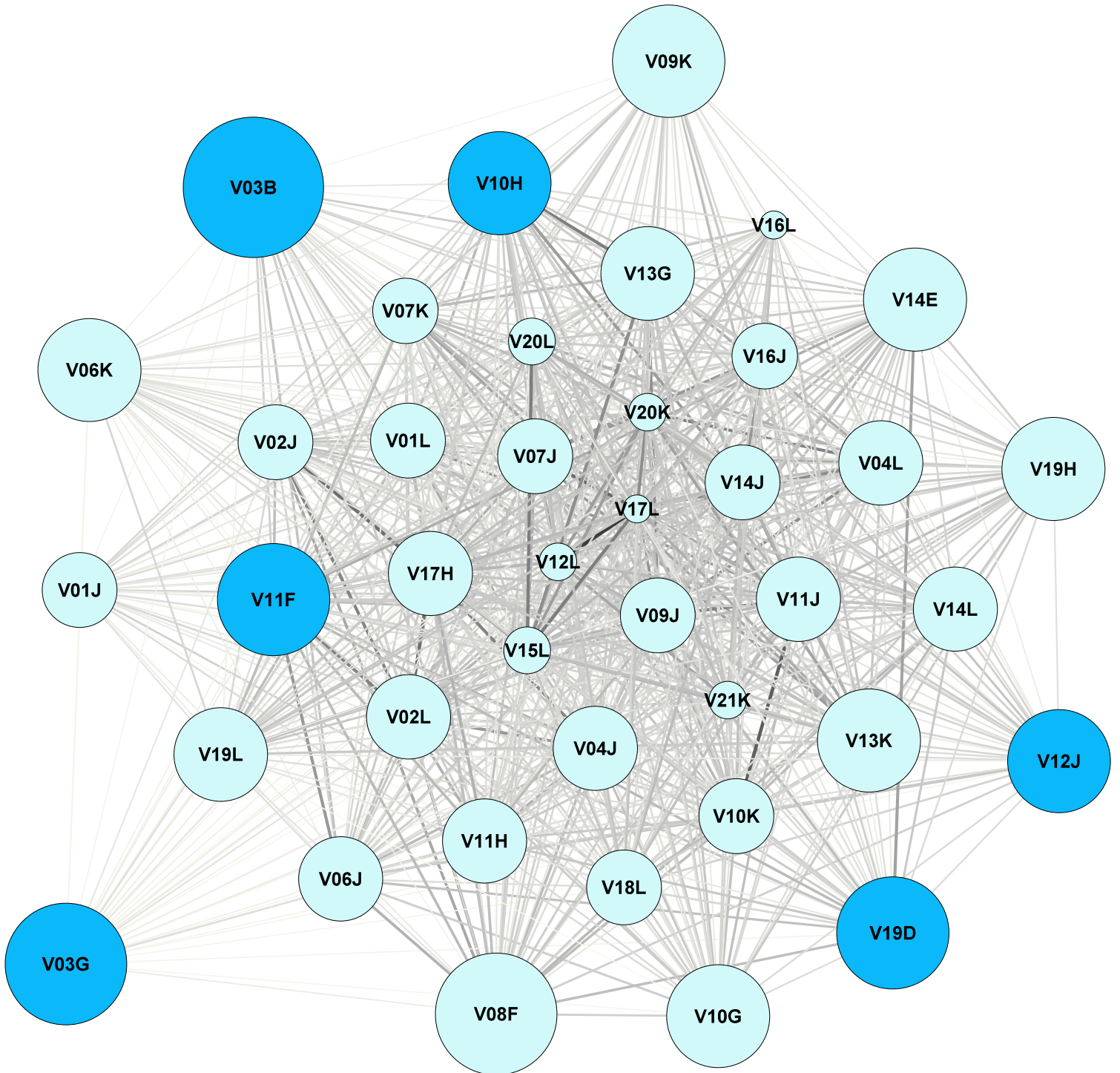
Alpine ibex network spring 2012



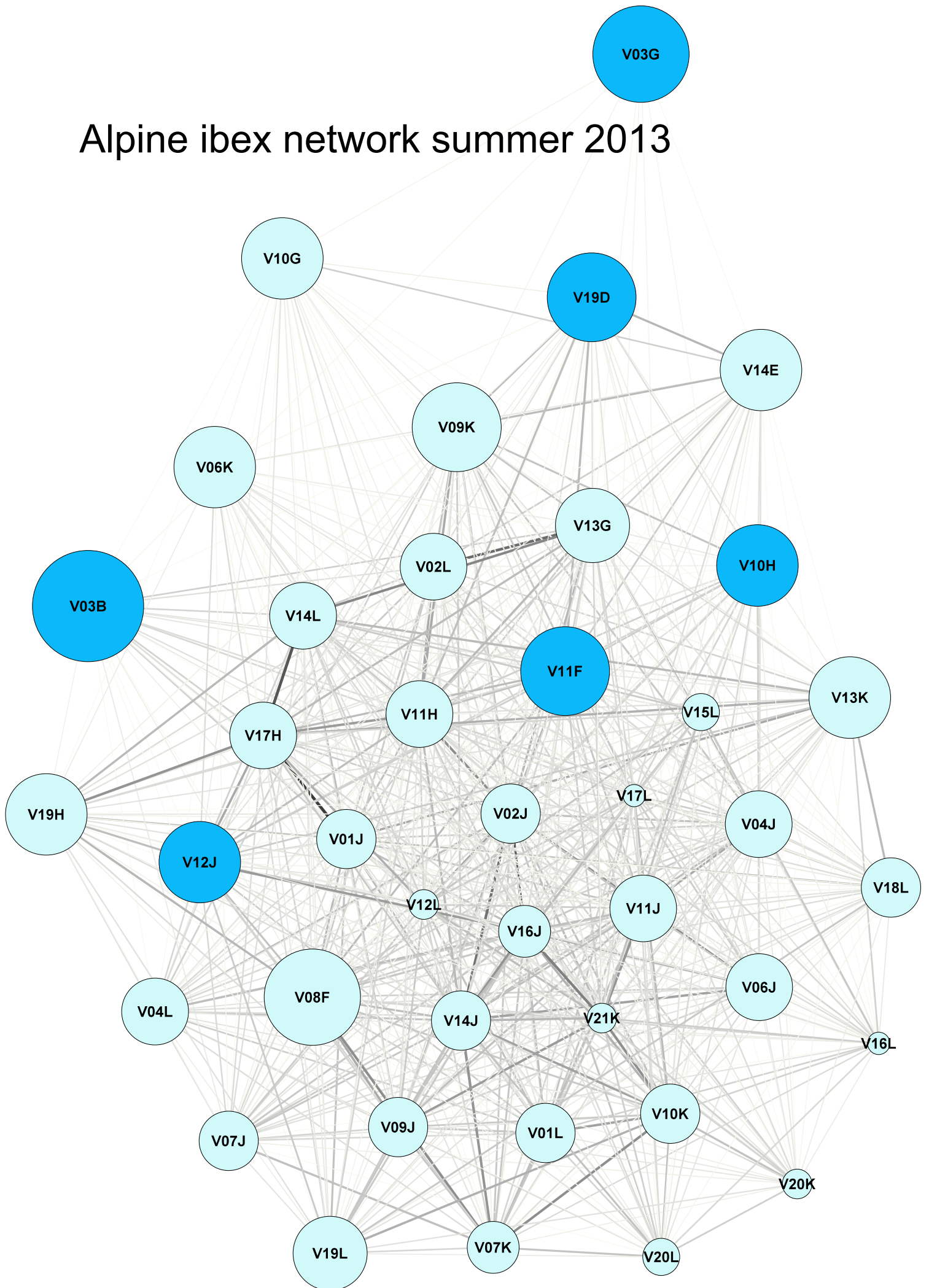
Alpine ibex network summer 2012



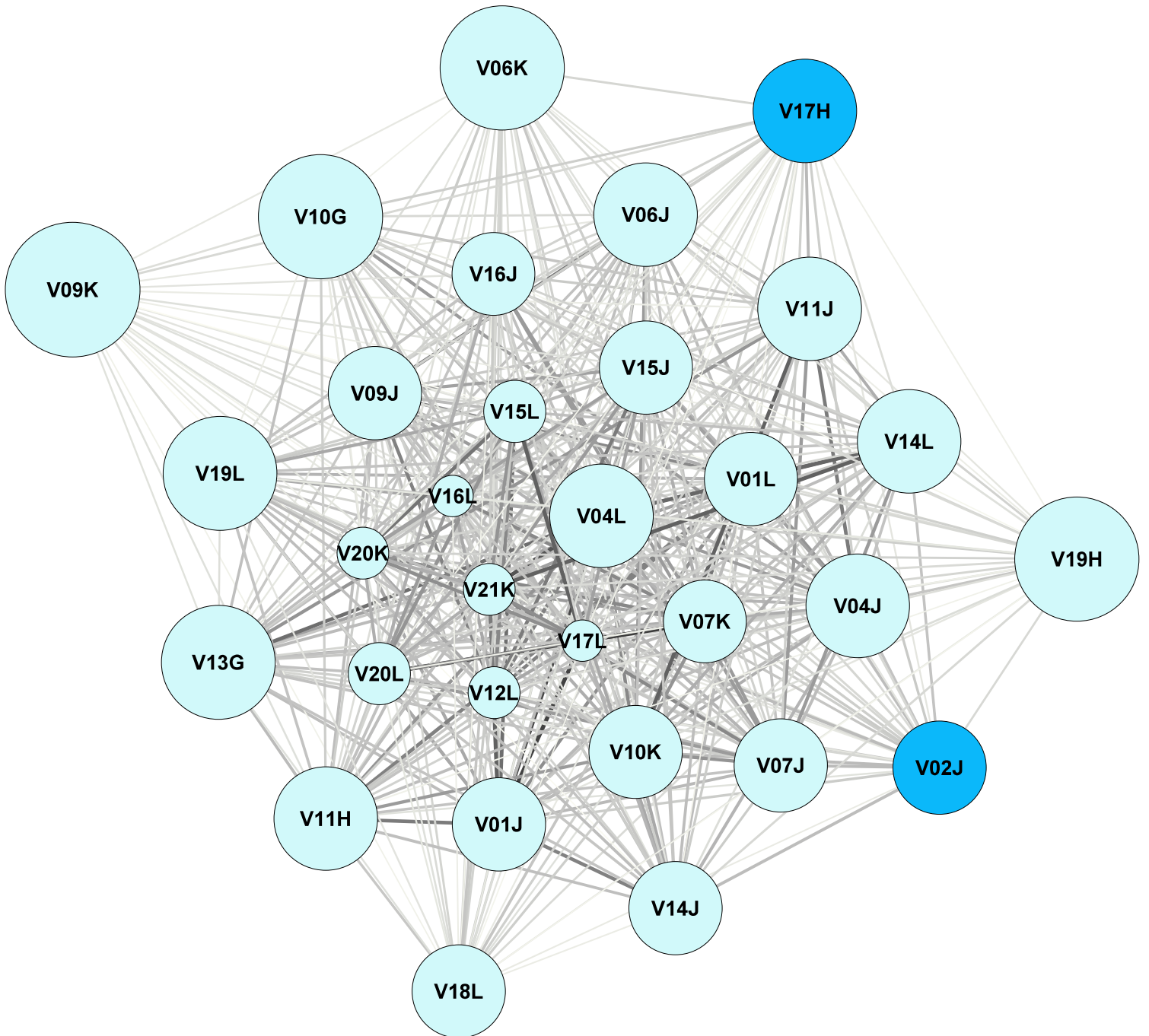
Alpine ibex network spring 2013



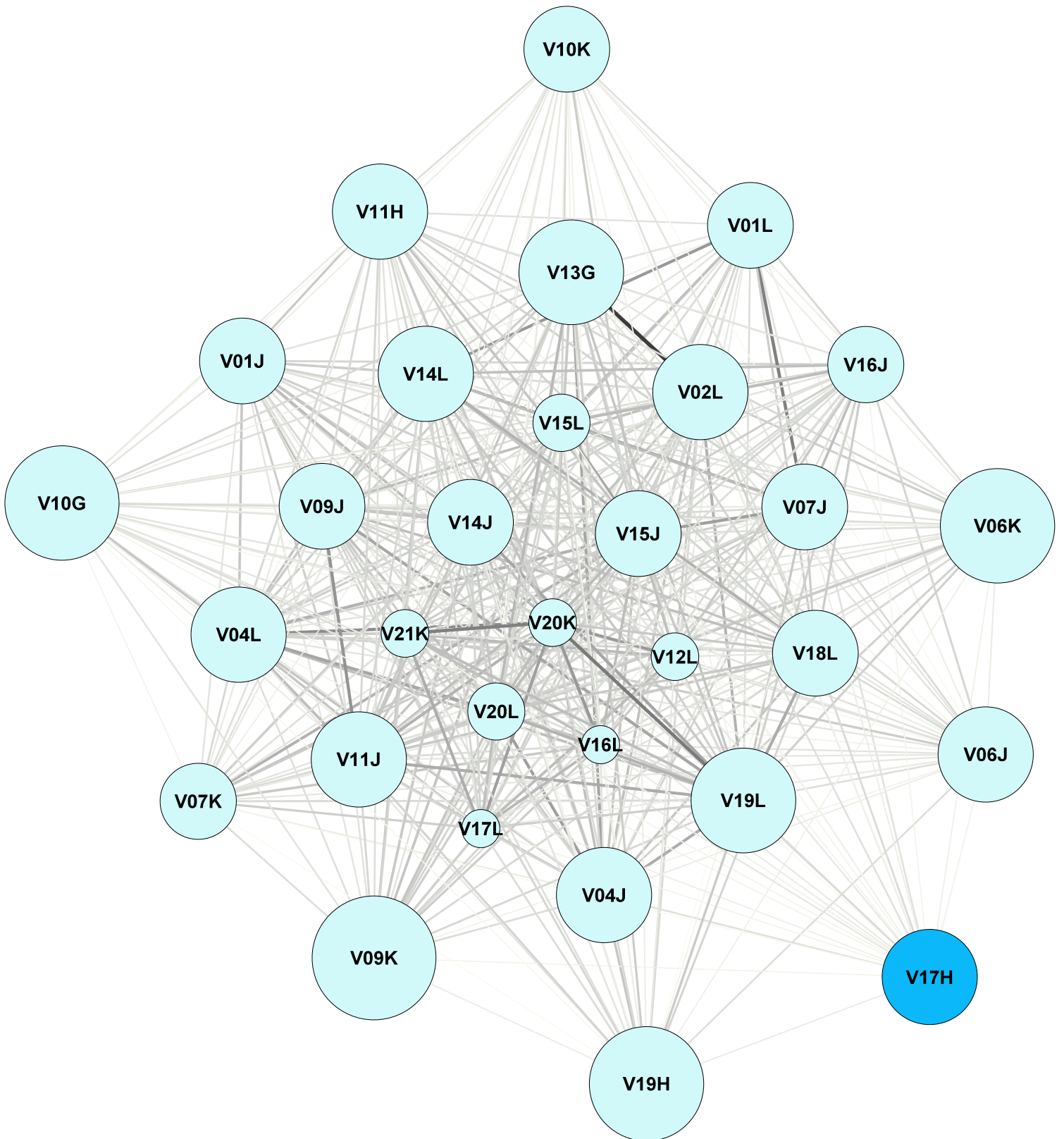
Alpine ibex network summer 2013



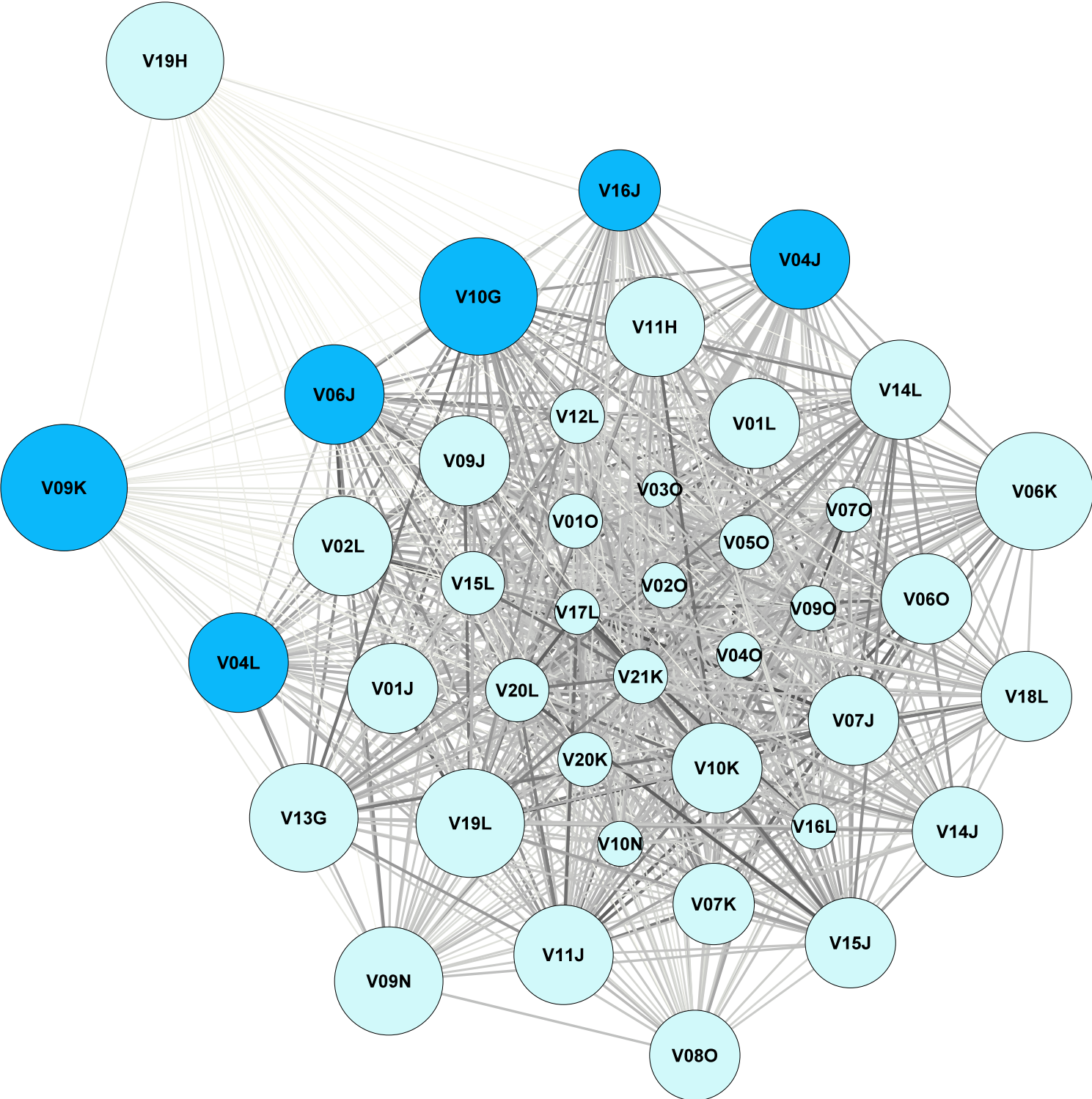
Alpine ibex network spring 2014



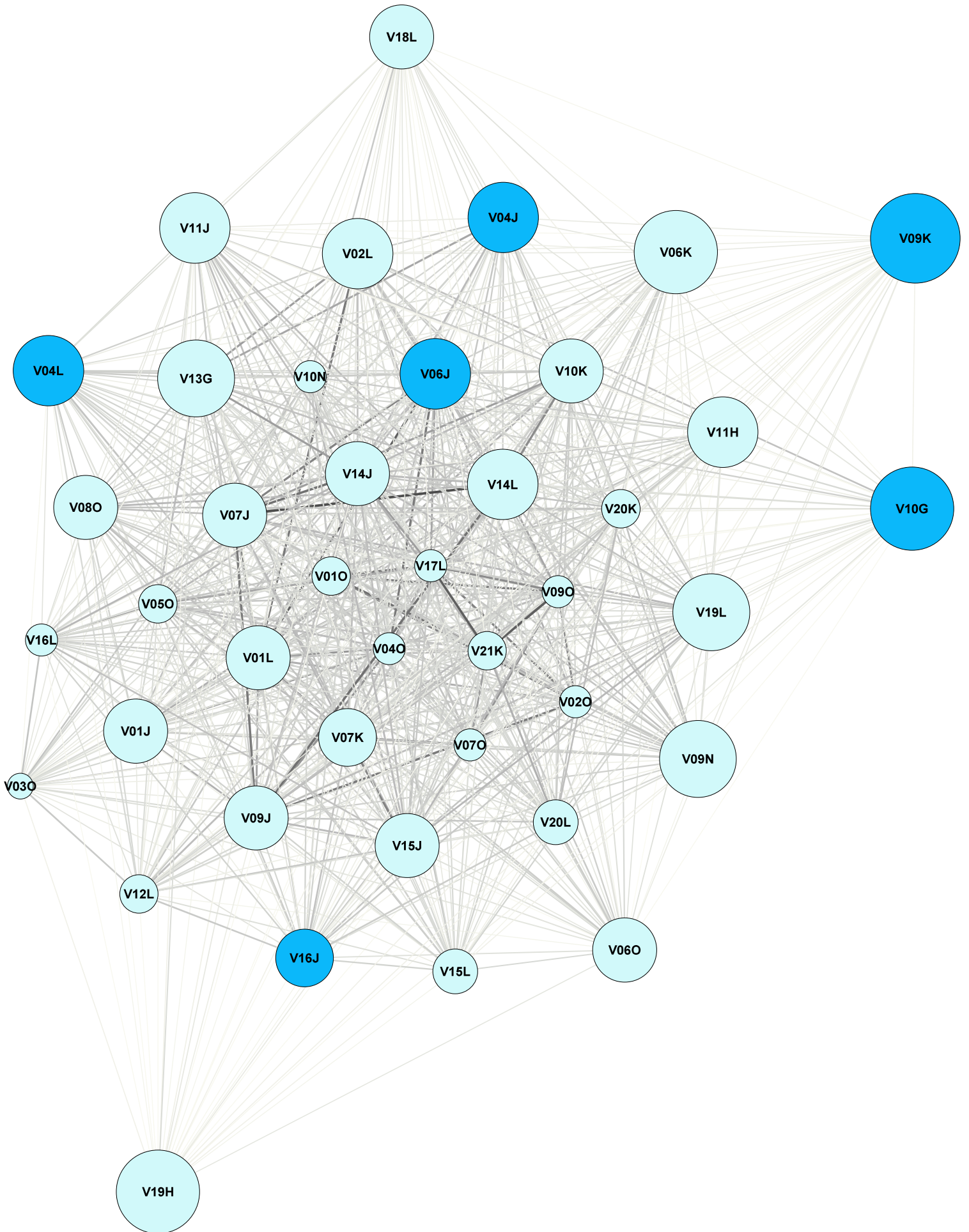
Alpine ibex network summer 2014



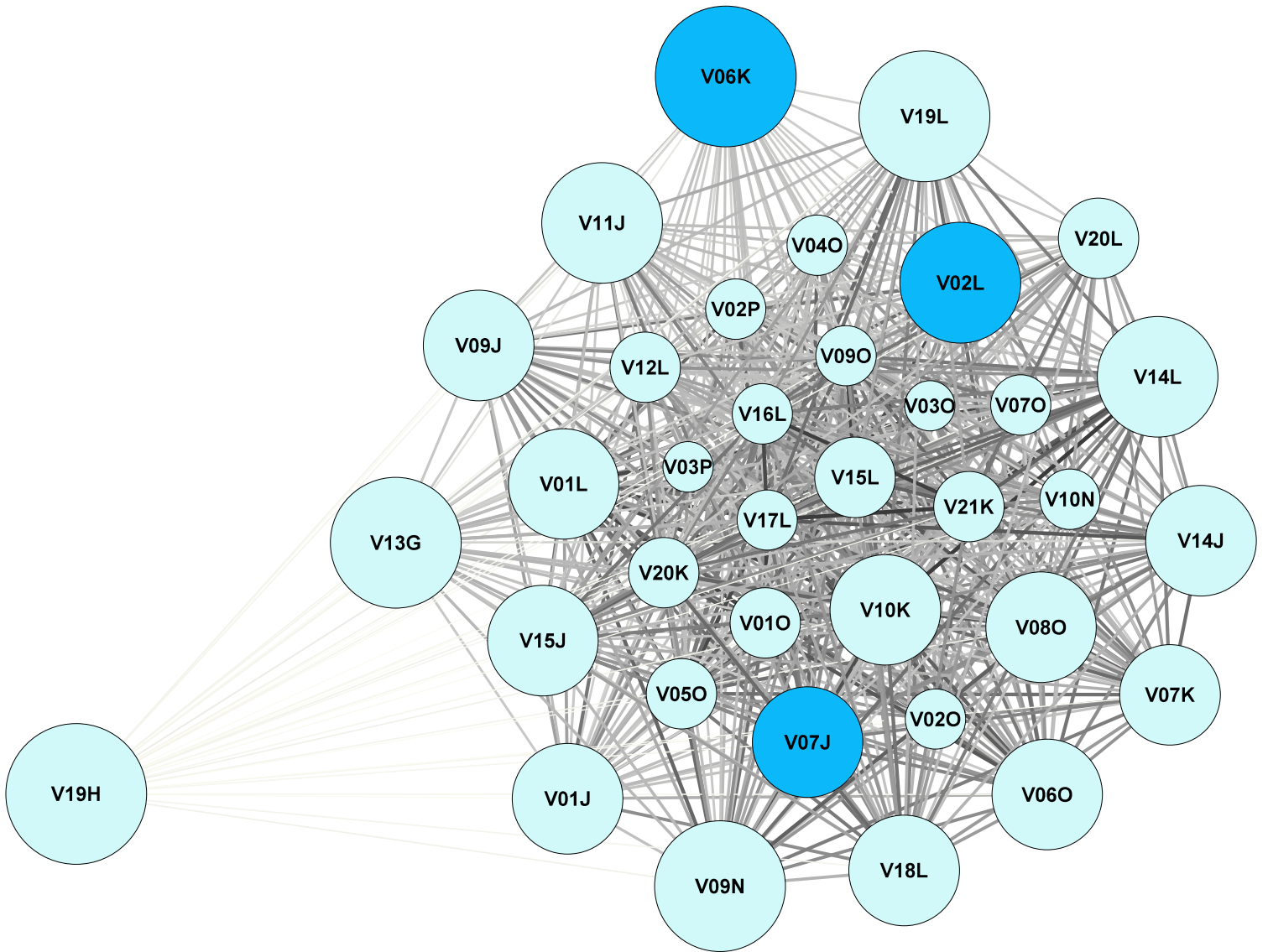
Alpine ibex network spring 2015



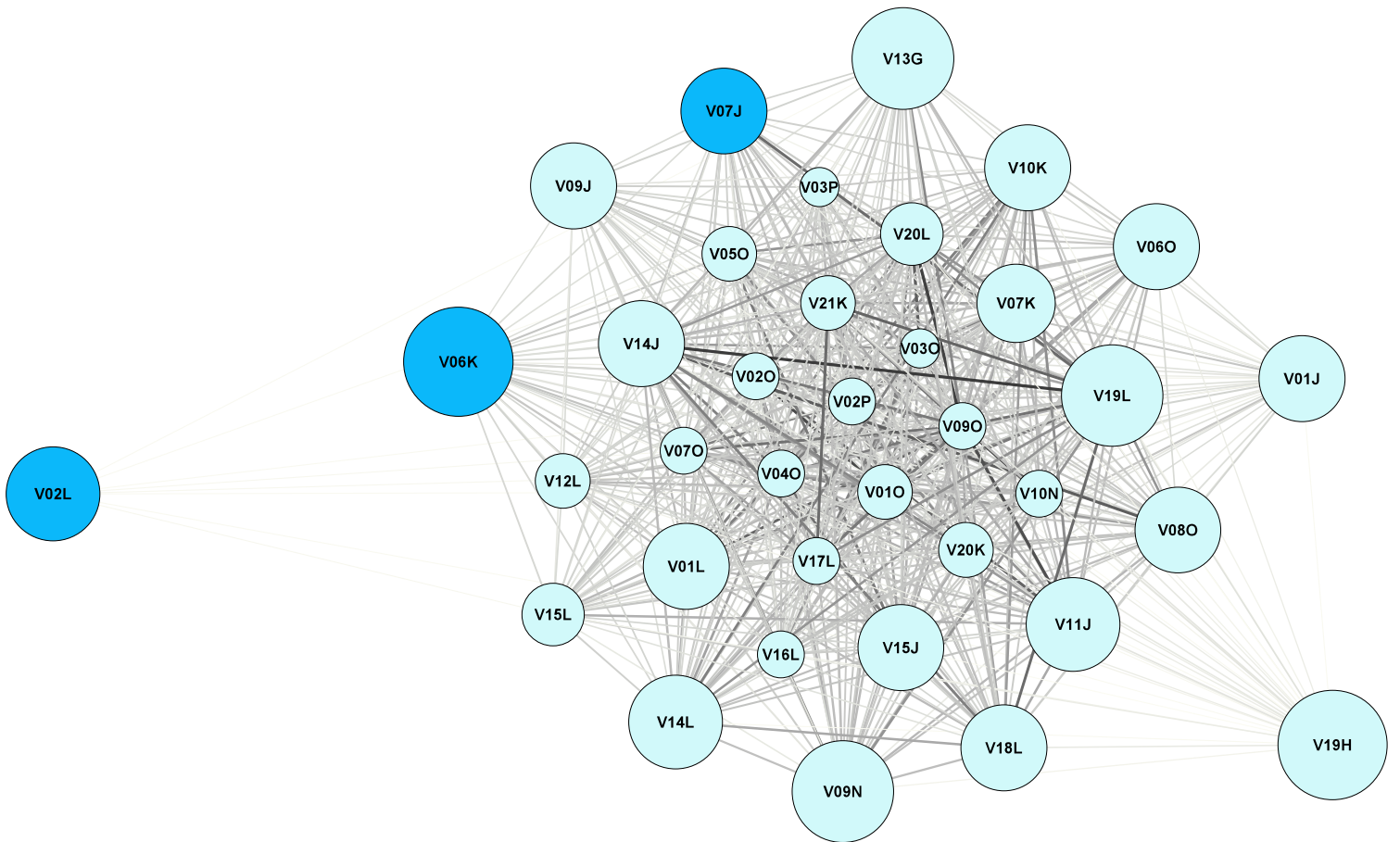
Alpine ibex network summer 2015



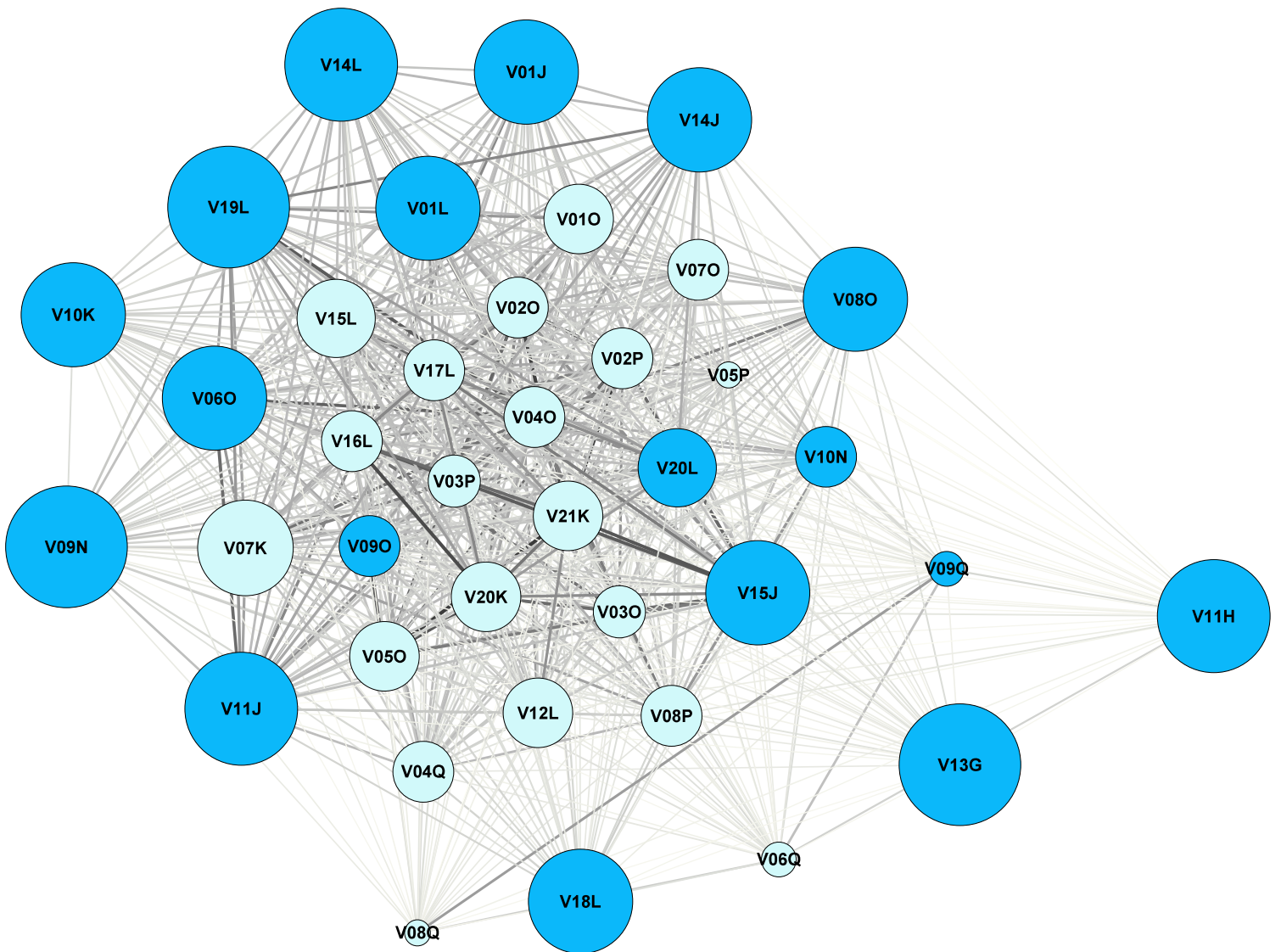
Alpine ibex network spring 2016



Alpine ibex network summer 2016



Alpine ibex network spring 2017



Alpine ibex network summer 2017

