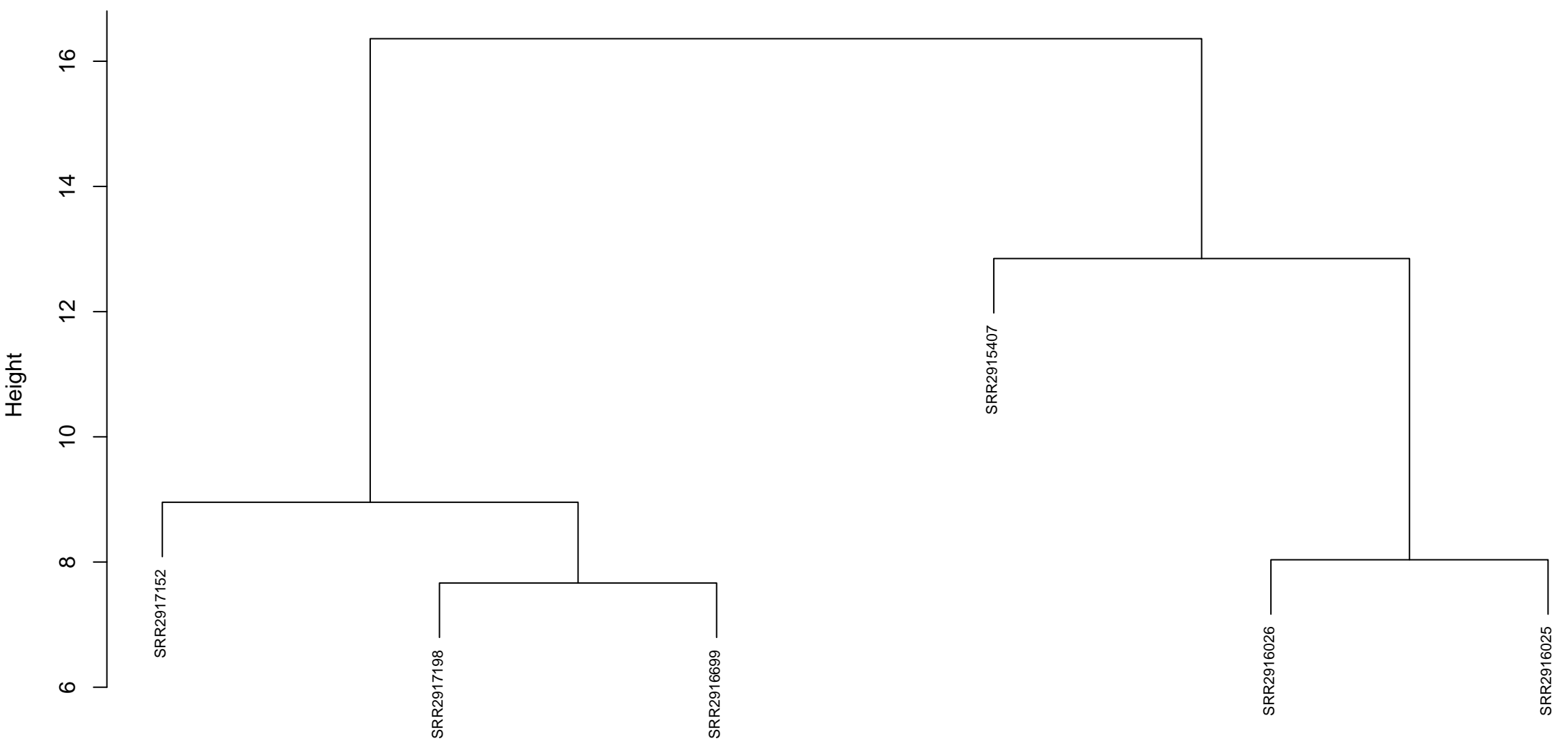**Sample clustering on all genes in Ceratina_australensis**

Sample clustering on all genes in Ceratina_calcarata

Sample clustering on all genes in Megalopta_genalis