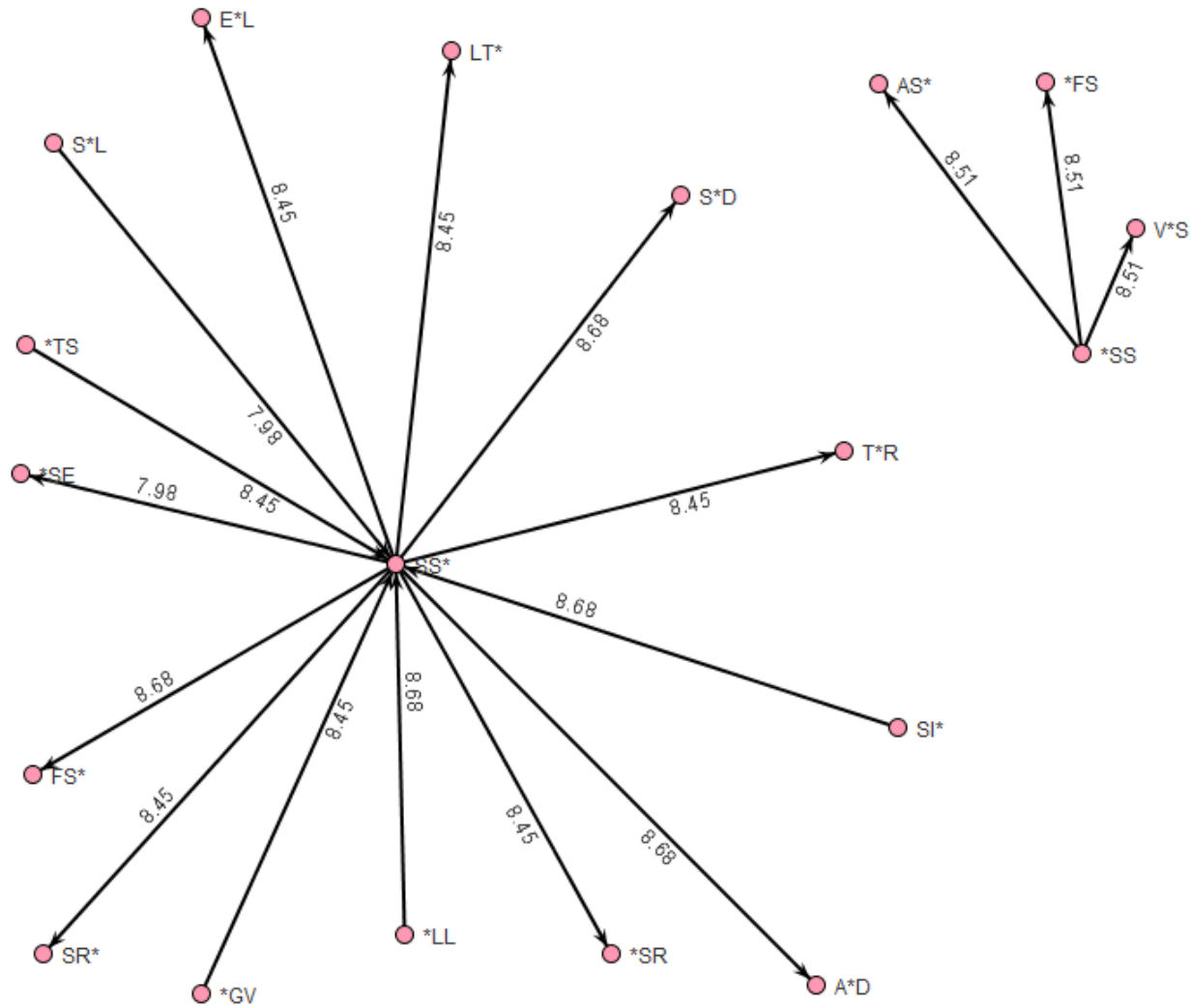


# SD 3. Raw data from the graph-based sequence analysis of spider silk proteins

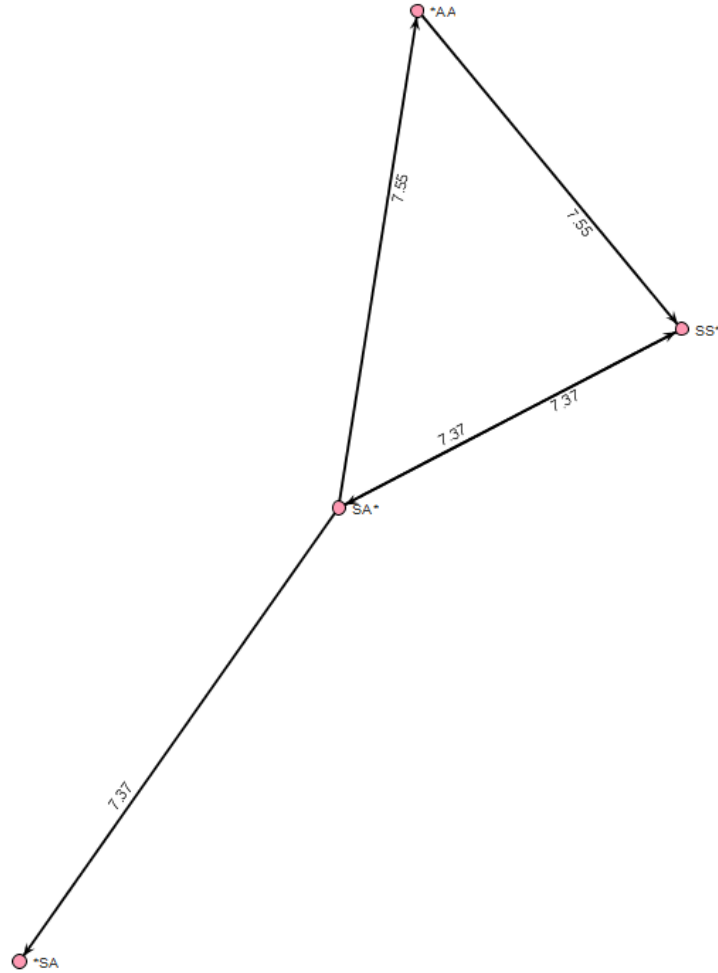
Dooyup Jung, Yun Jung Yang, and Hyung Joon Cha  
Pohang University of Science and Technology

※ Subsequence size = 3, # of wildcards = 1, percentile odds score cutoff = 2

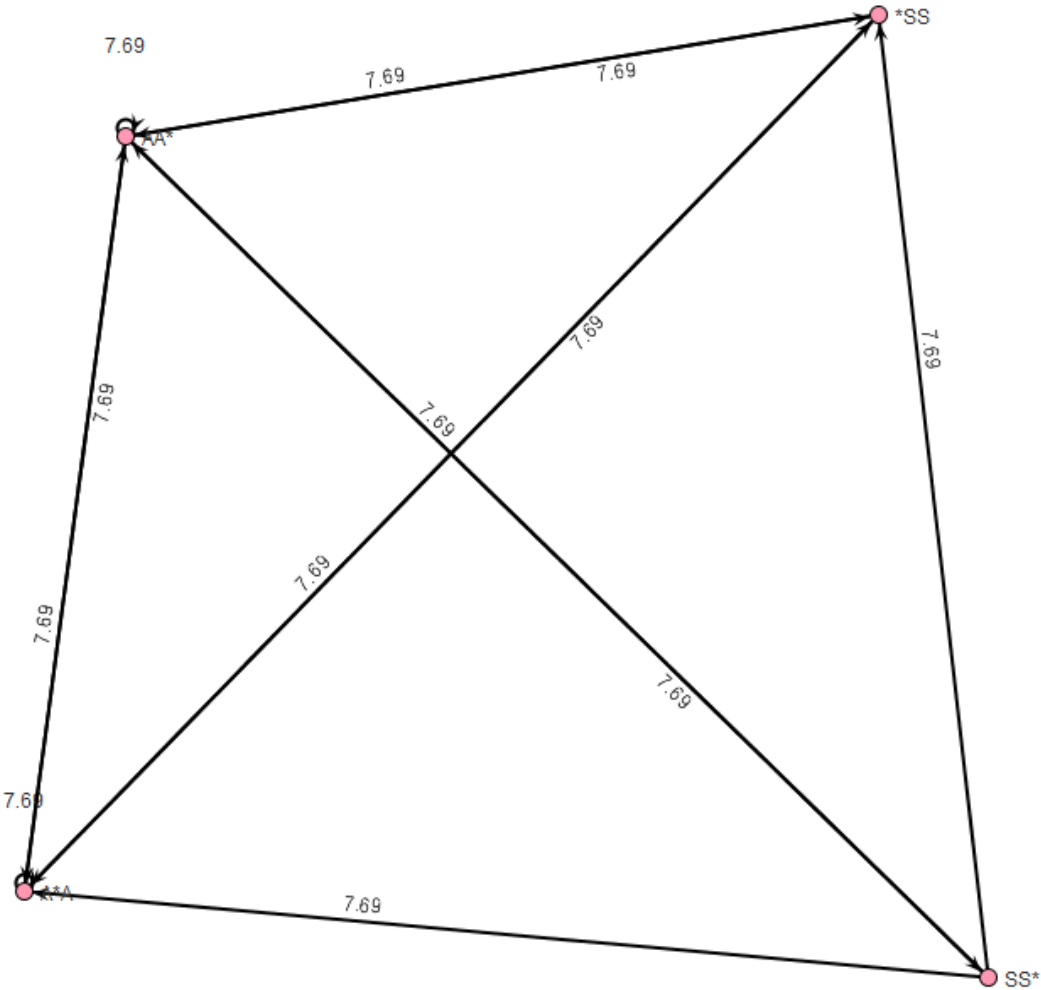
>gi|392997868|gb|AFM97617.1| fibroin 1, partial [Aphonopelma seemanni]



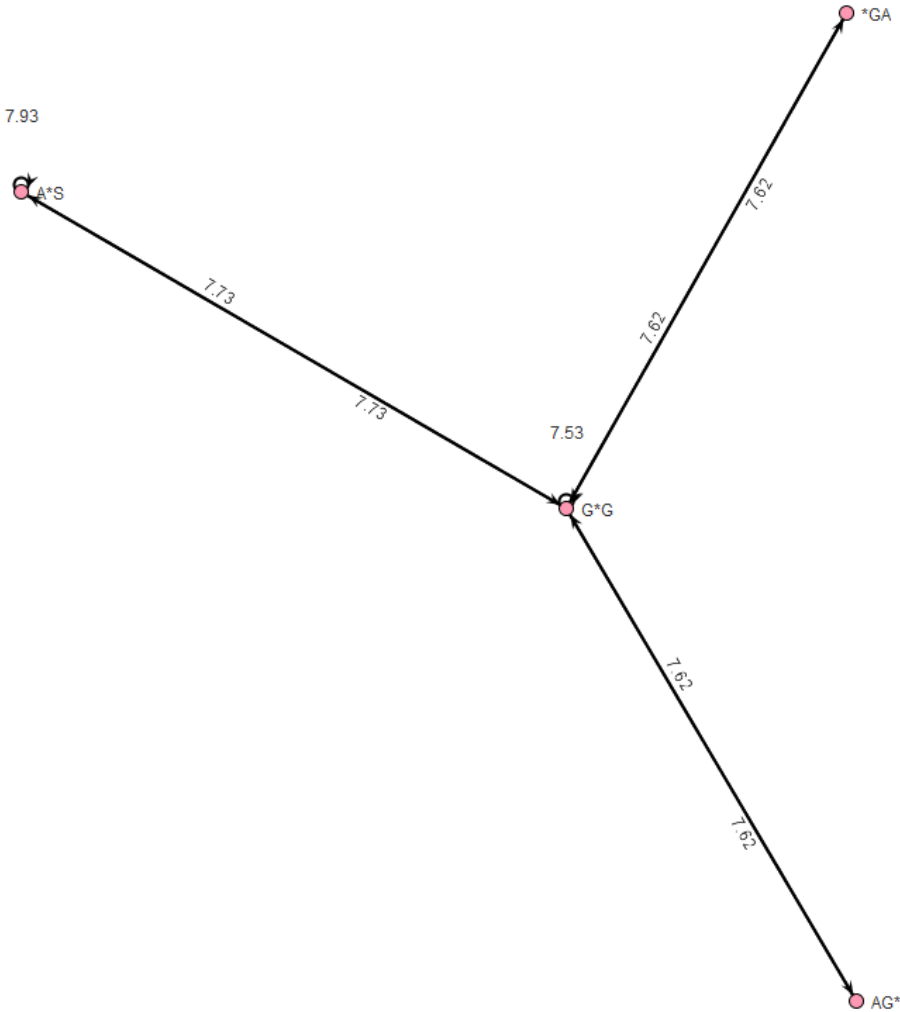
>gi|392997870|gb|AFM97618.1| fibroin 2, partial [*Aphonopelma seemanni*]



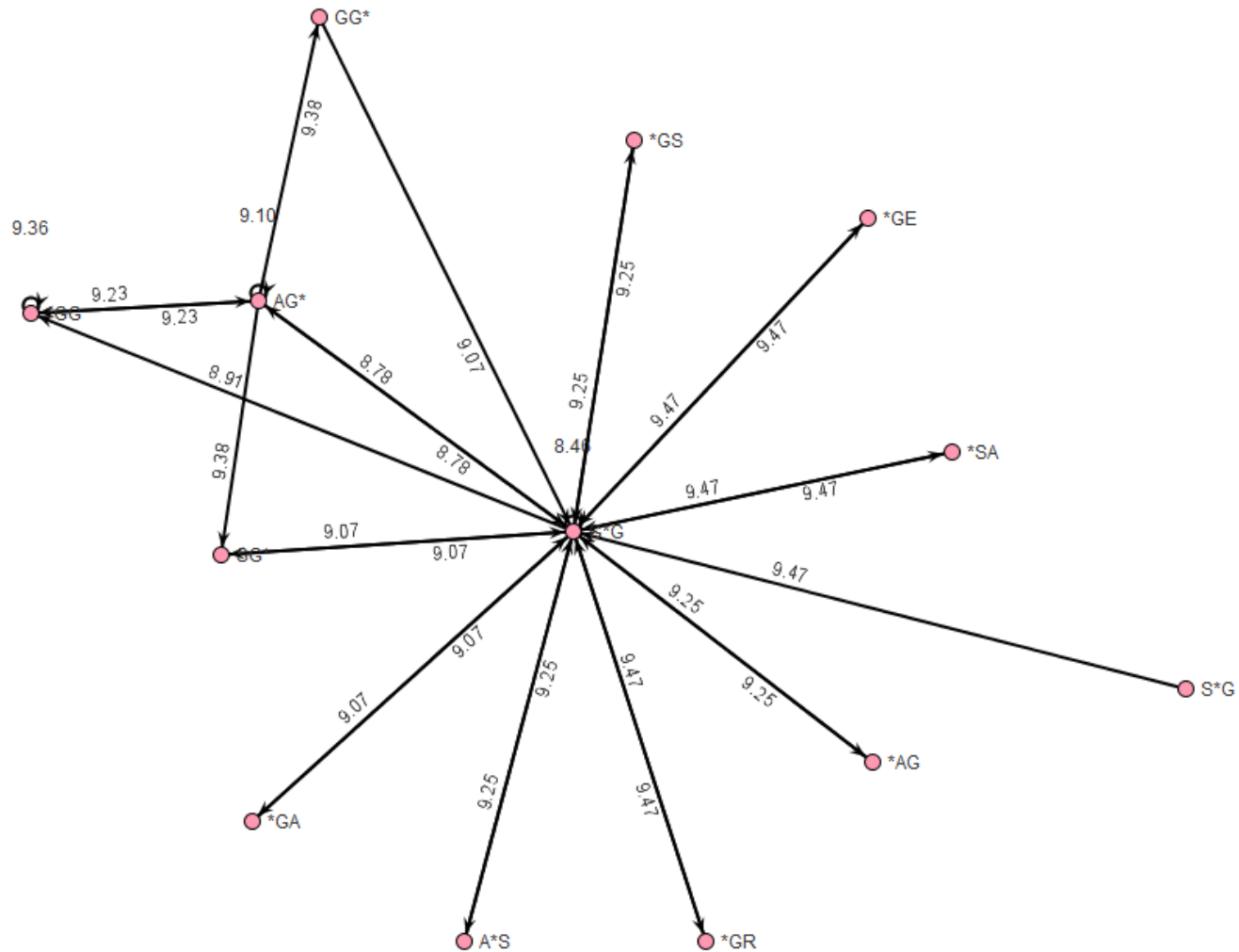
>gi|392997872|gb|AFM97619.1| fibroin 3, partial [Aphonopelma seemanni]



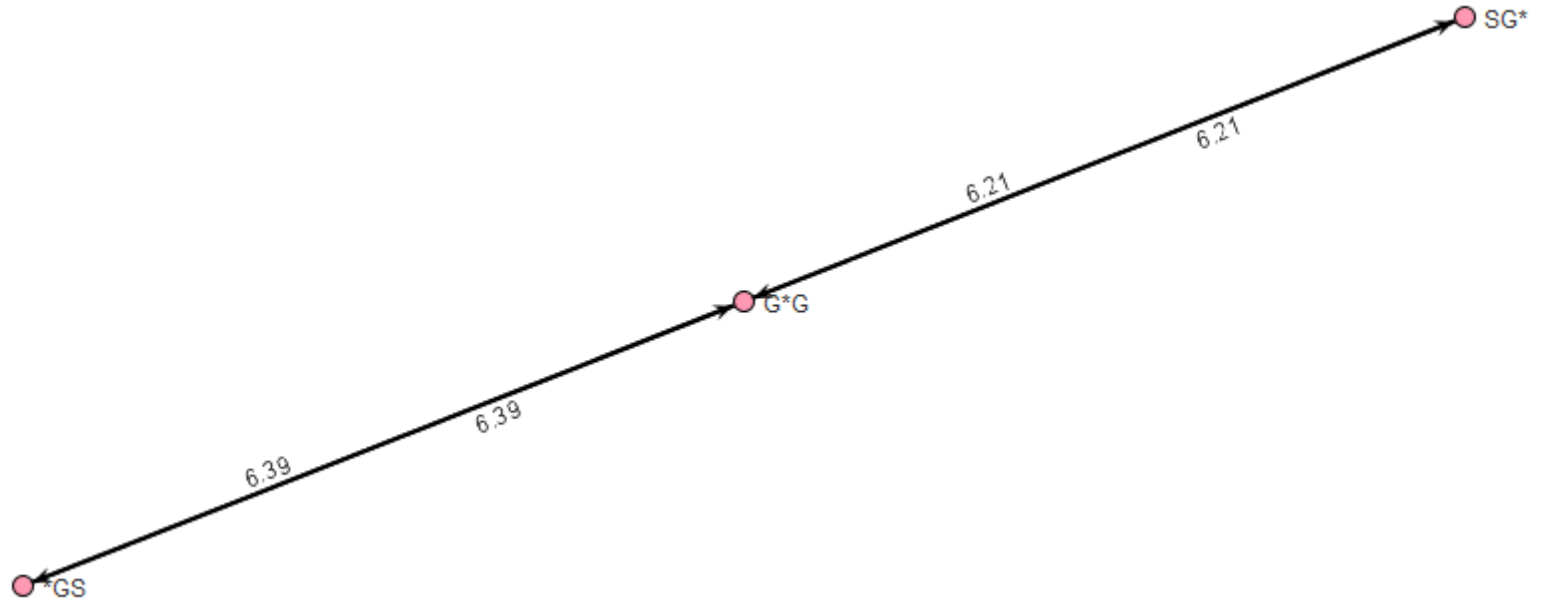
>gi|303307752|gb|ADM14314.1| major ampullate spidroin 1, partial [Kukulcania hibernalis]



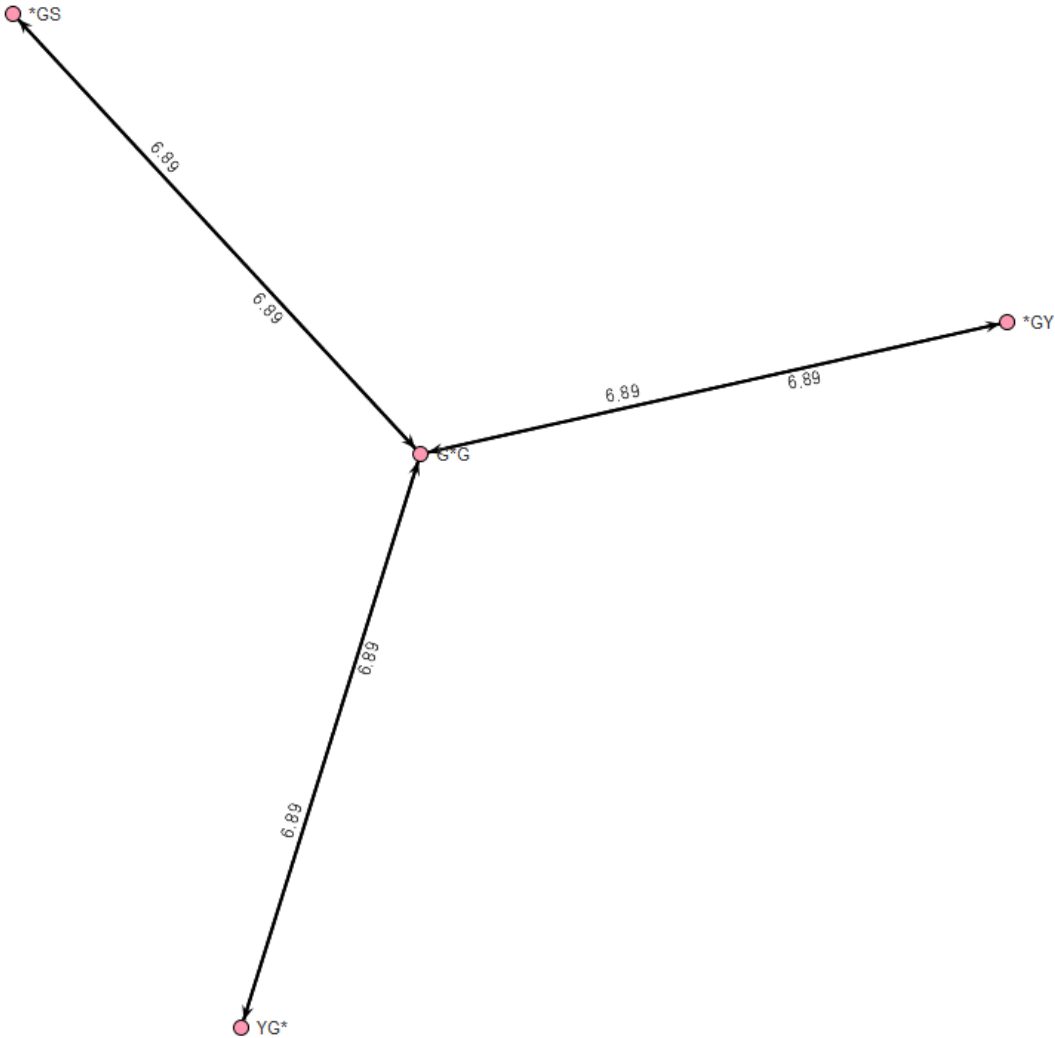
>gi|47007923|gb|AAT08433.1| major ampullate spidroin 1, partial [\[Kukulcania hibernalis\]](#)



>gi|47007938|gb|AAT08434.1| major ampullate spidroin 2-1, partial [[Kukulcania hibernalis](#)]

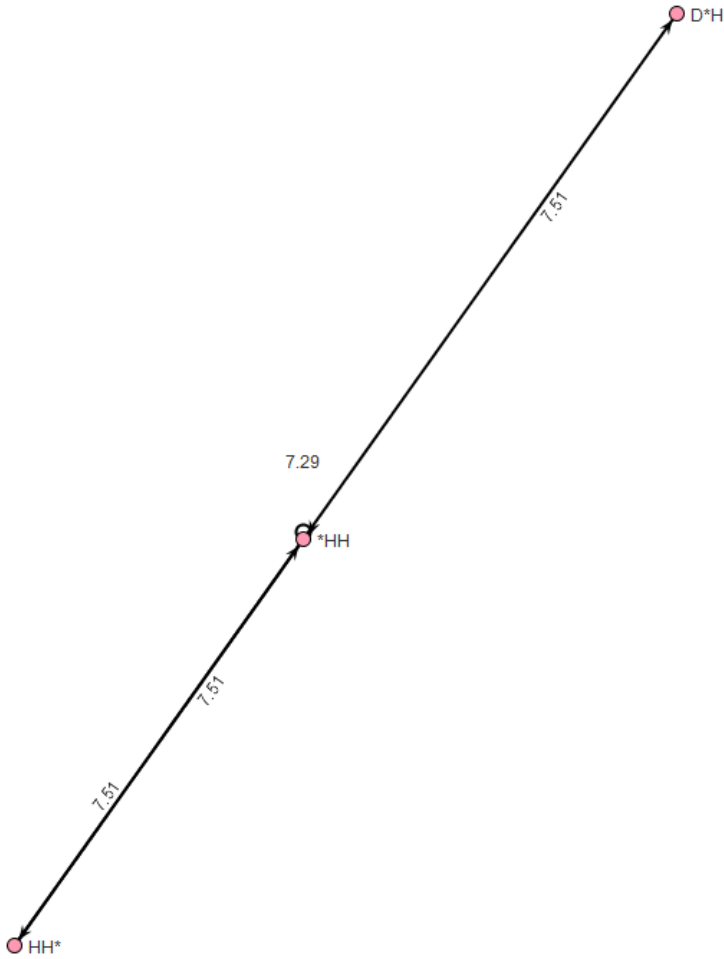


>gi|47007952|gb|AAT08435.1| major ampullate spidroin 2-2, partial [Kukulcania hibernalis]

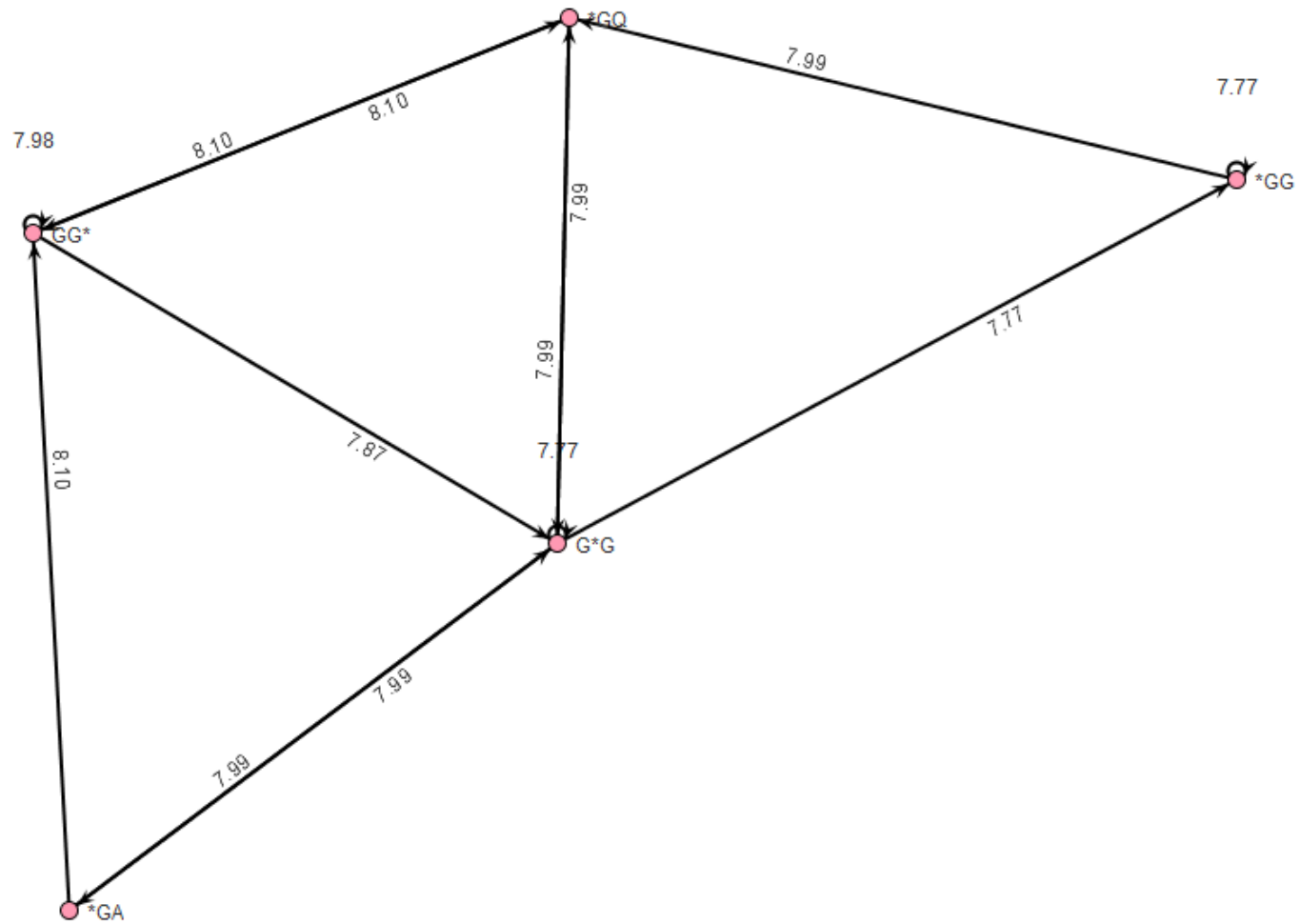




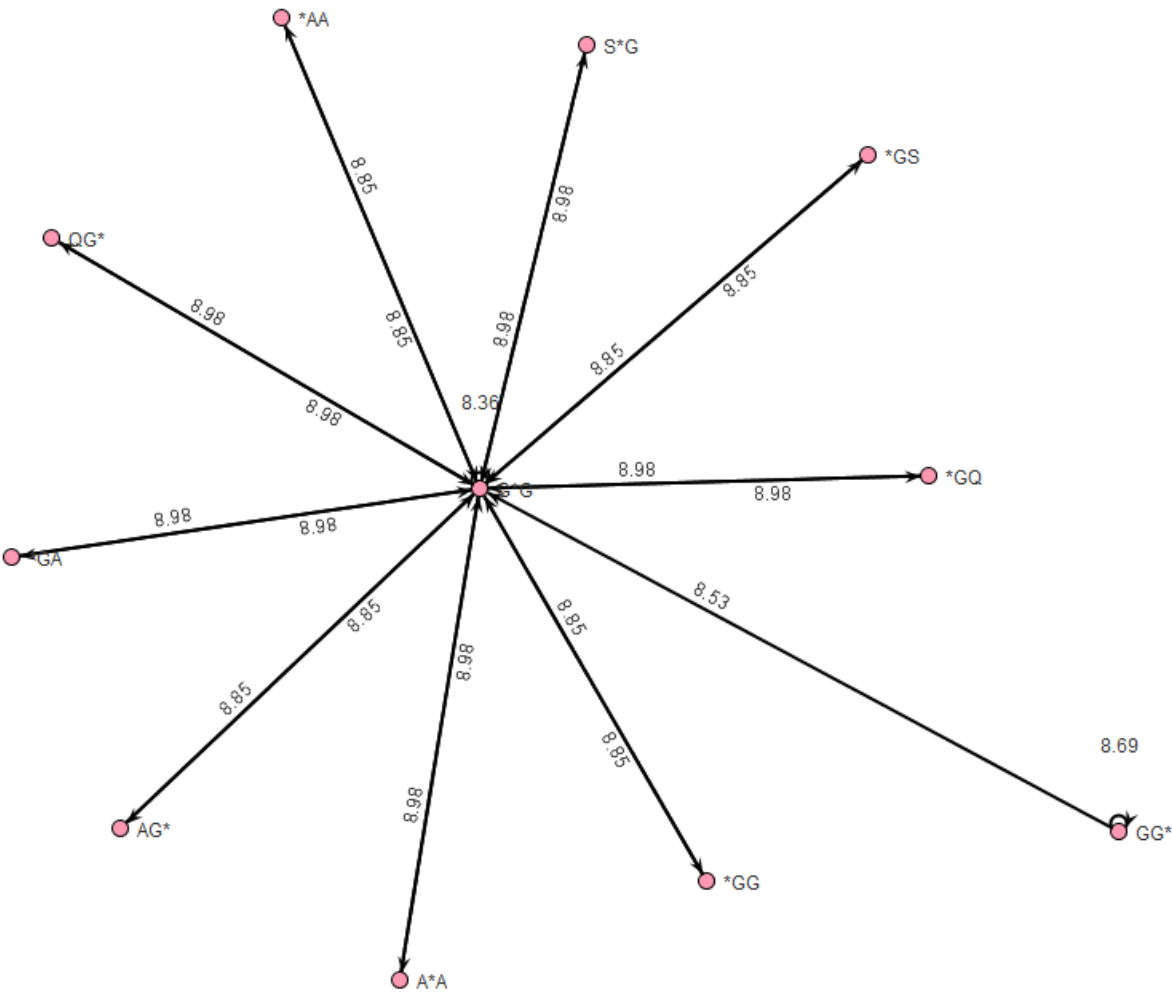
>gi|47007909|gb|AAT08432.1| major ampullate spidroin 3, partial [Kukulcania hibernalis]



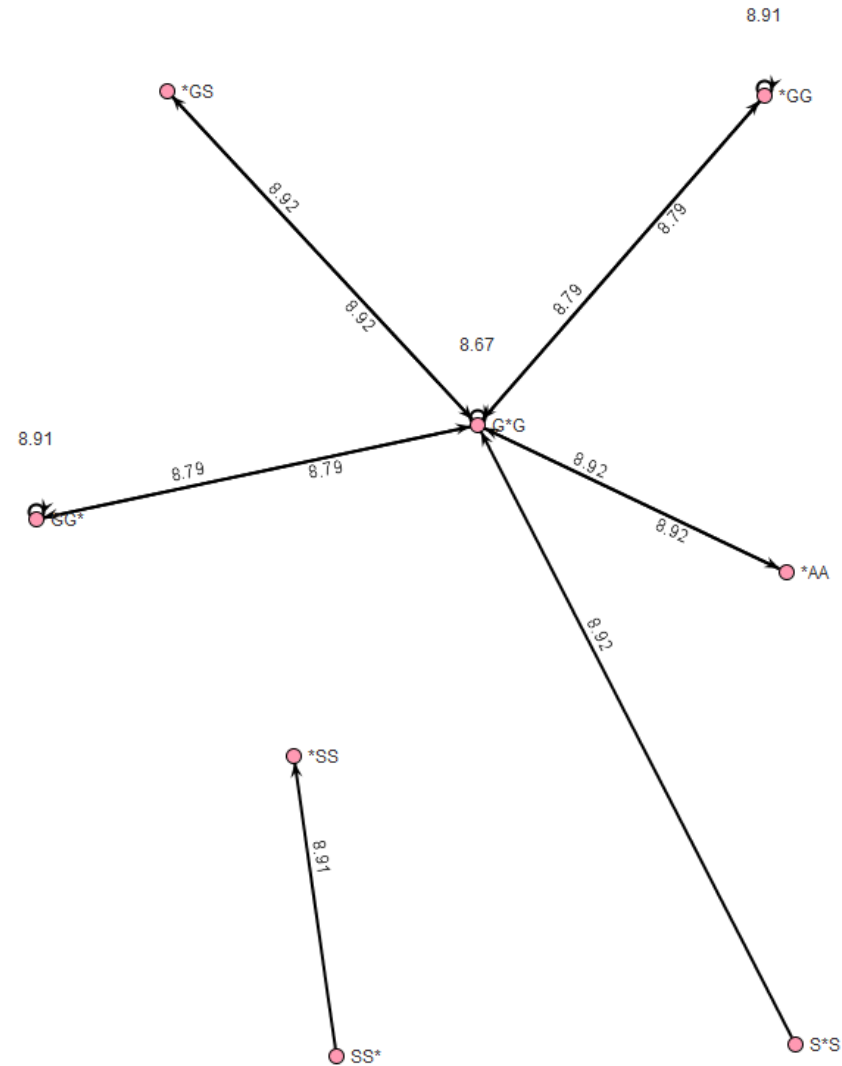
>gi|294440291|gb|ADE74592.1| major ampullate spidroin 1, partial [Peucetia viridans]



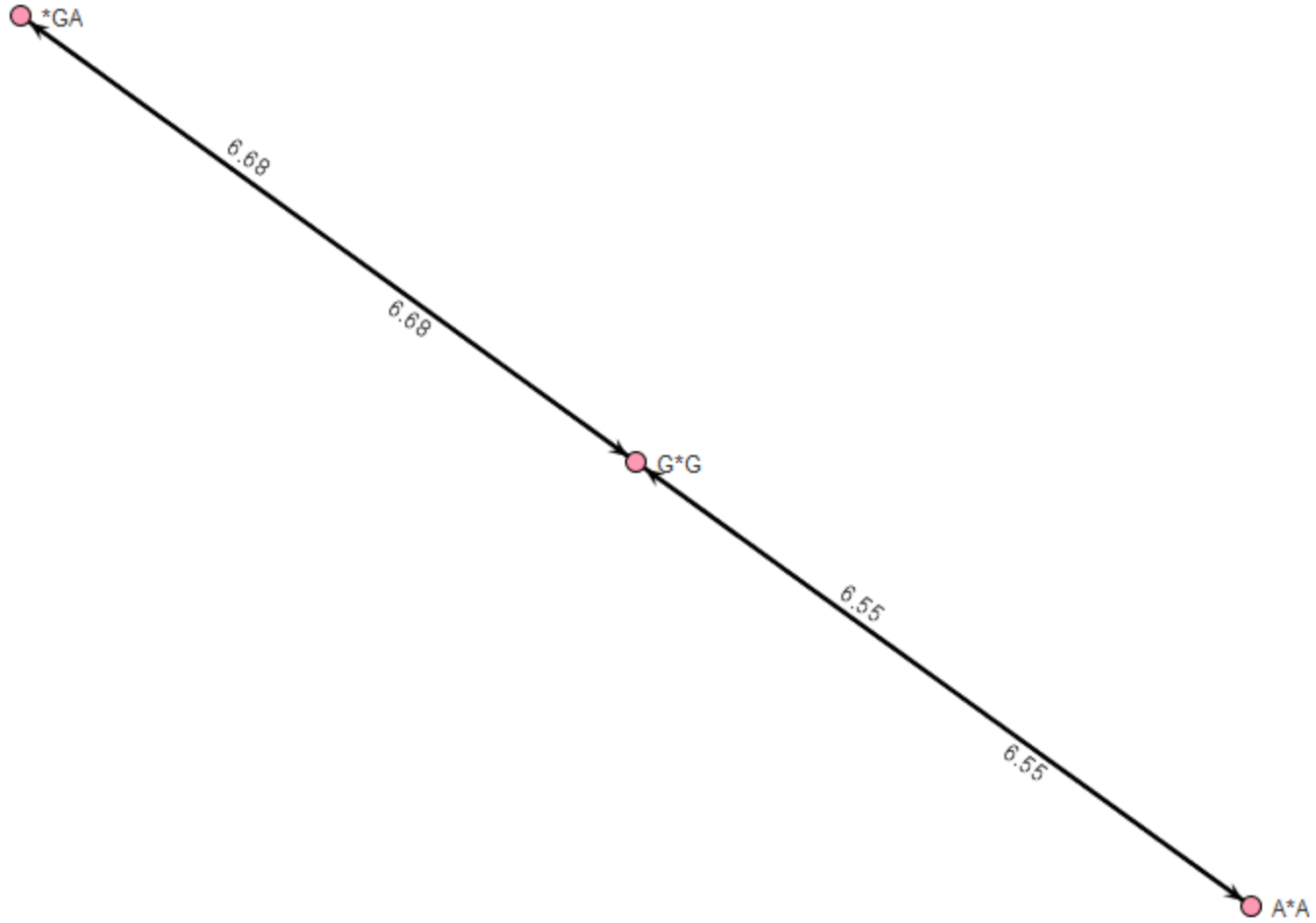
>gi|13561990|gb|AAK30598.1|AF350269\_1 fibroin 1, partial [Dolomedes tenebrosus]



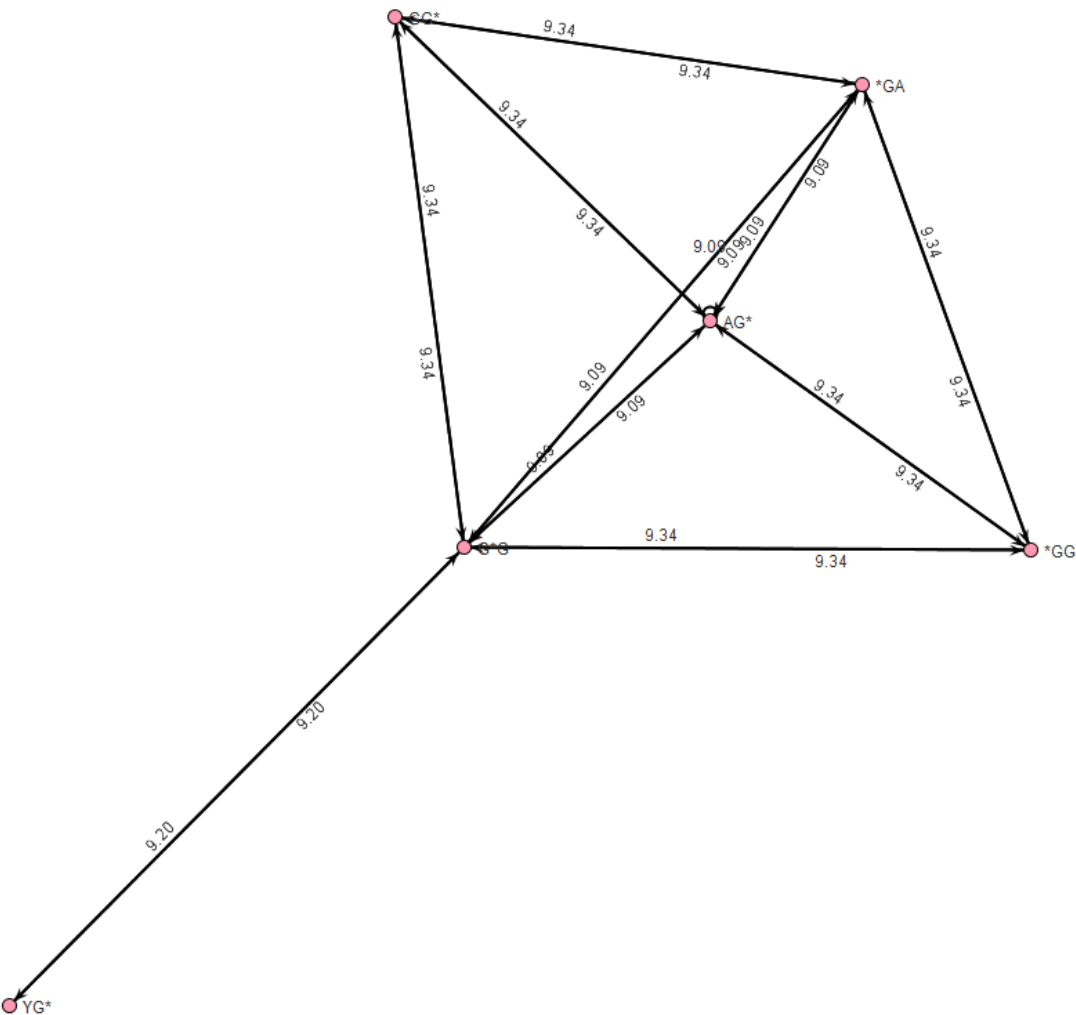
>gi|13561992|gb|AAK30599.1|AF350270\_1 fibroin 2, partial [Dolomedes tenebrosus]



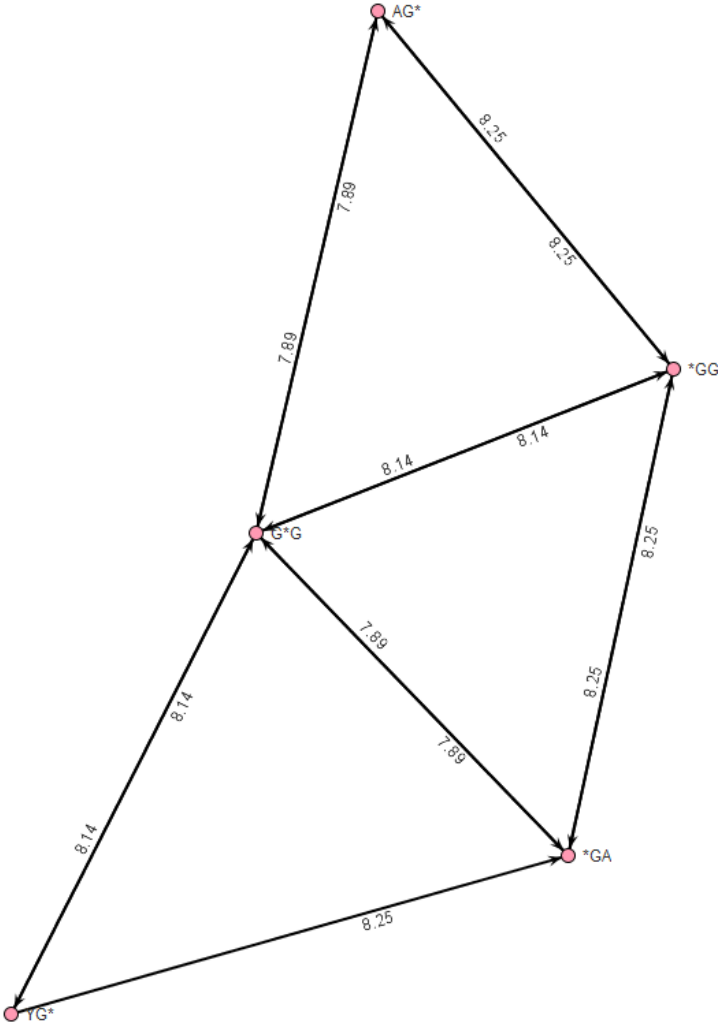
>gi|422900757|gb|AFX83556.1| fibroin 1a, partial [Deinopis spinosa]



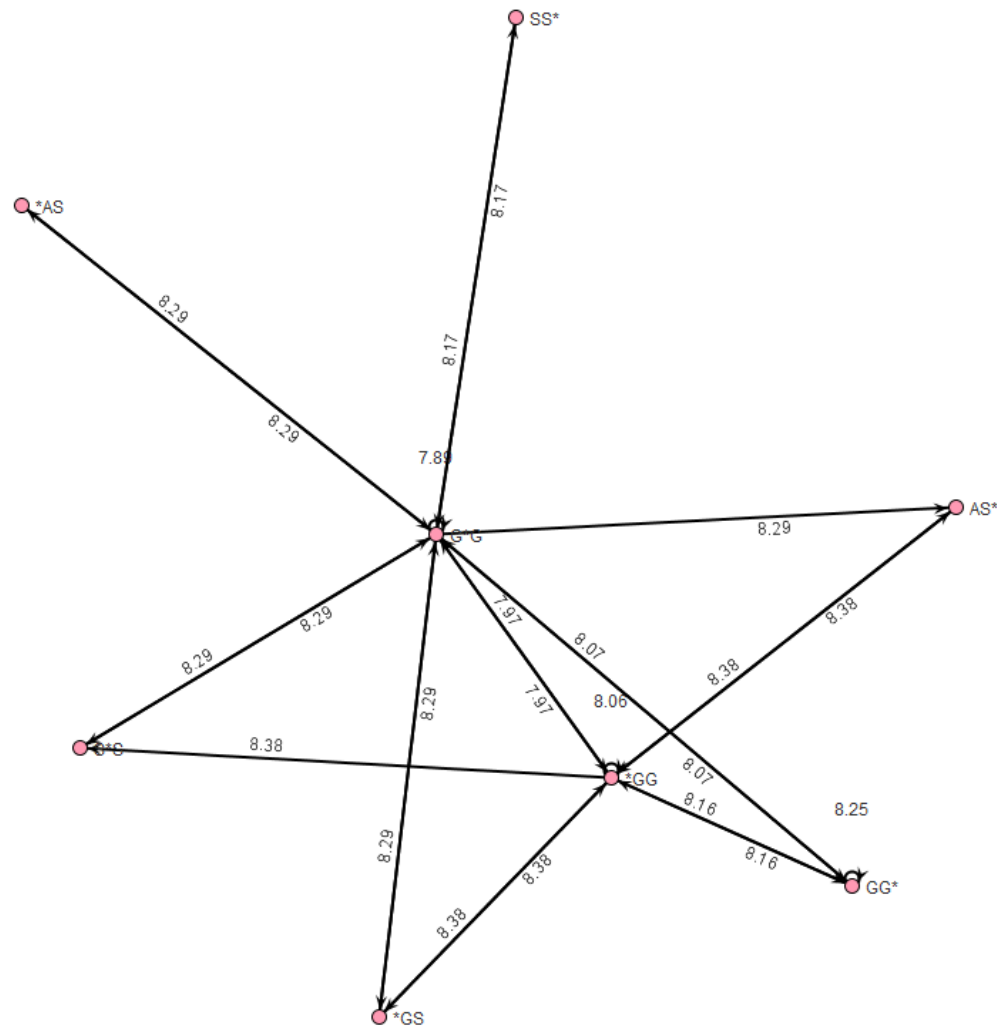
>gi|89113996|gb|ABD61591.1| fibroin 1a, partial [Deinopis spinosa]



>gi|89113998|gb|ABD61592.1| fibroin 1b, partial [Deinopis spinosa]

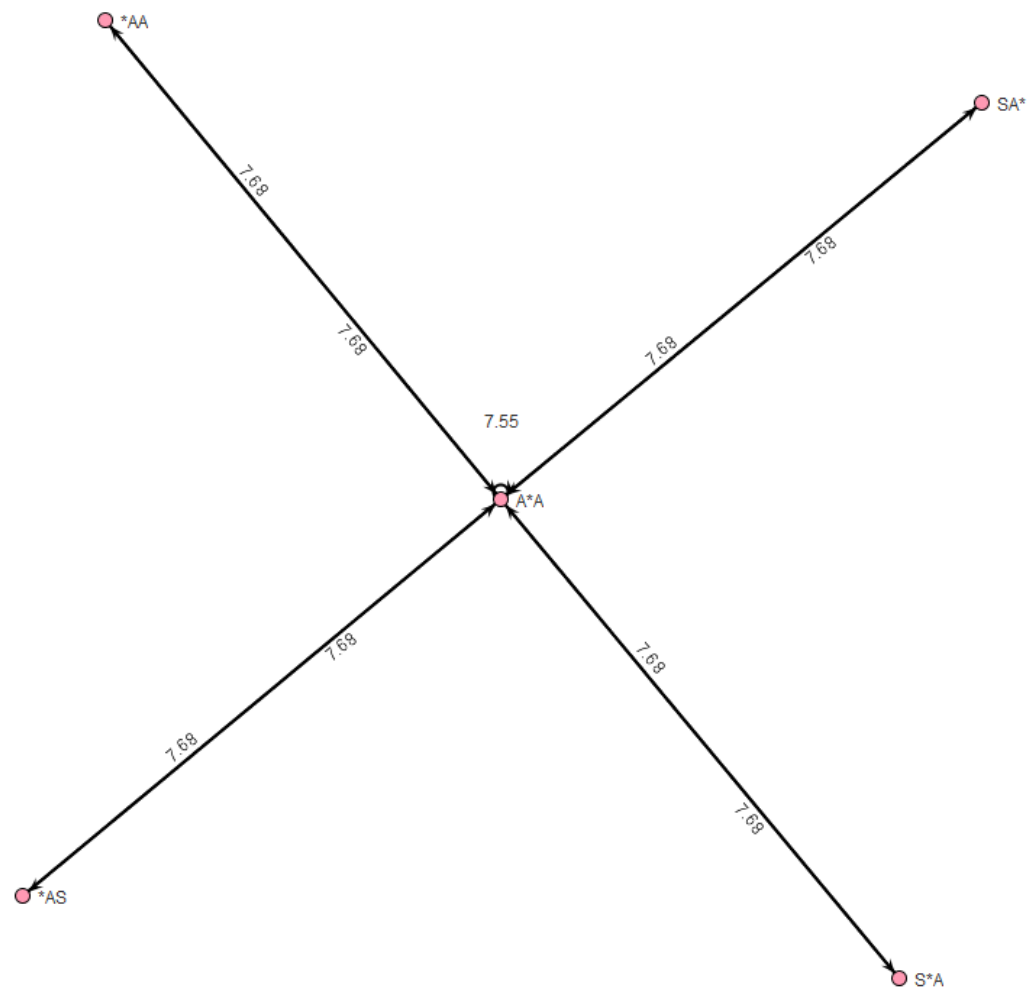


>gi|89113990|gb|ABD61588.1| fibroin 2, partial [Deinopsis spinosa]

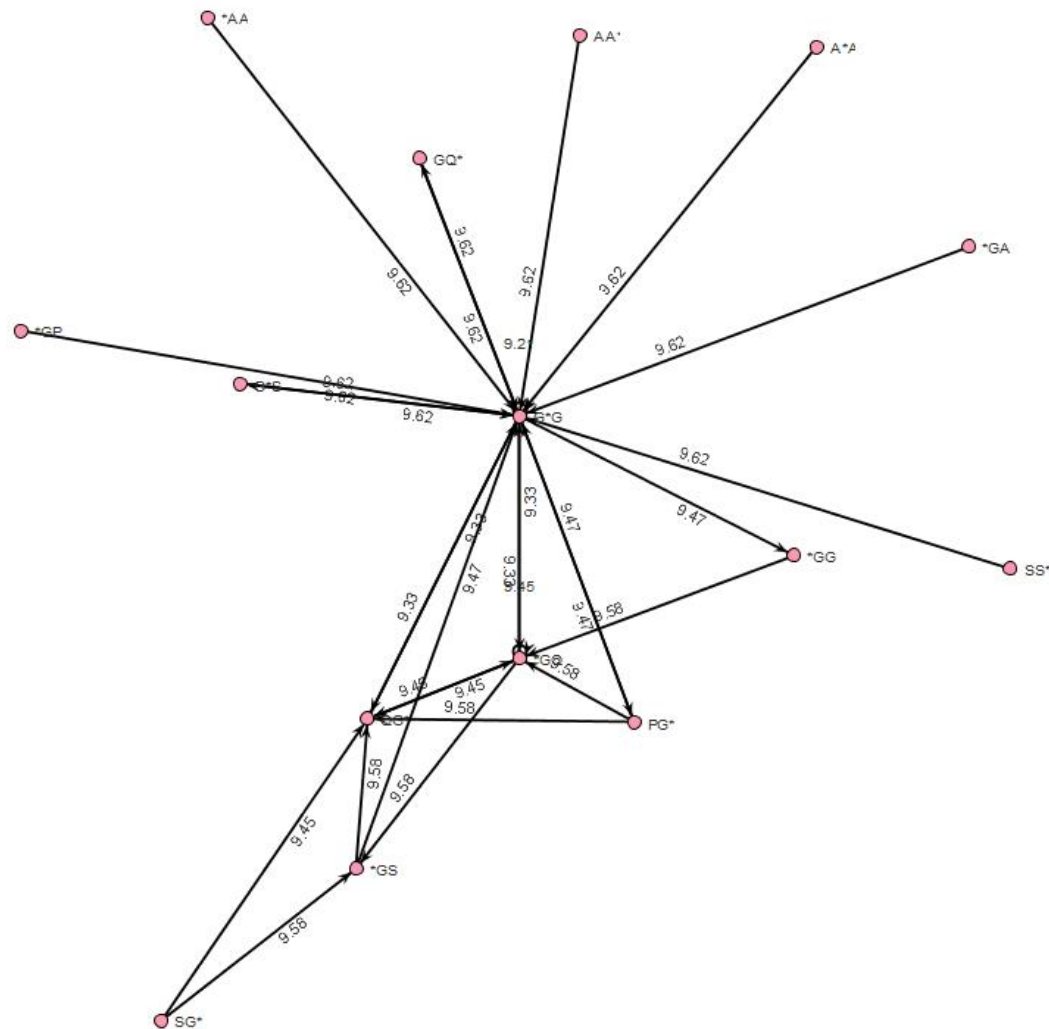




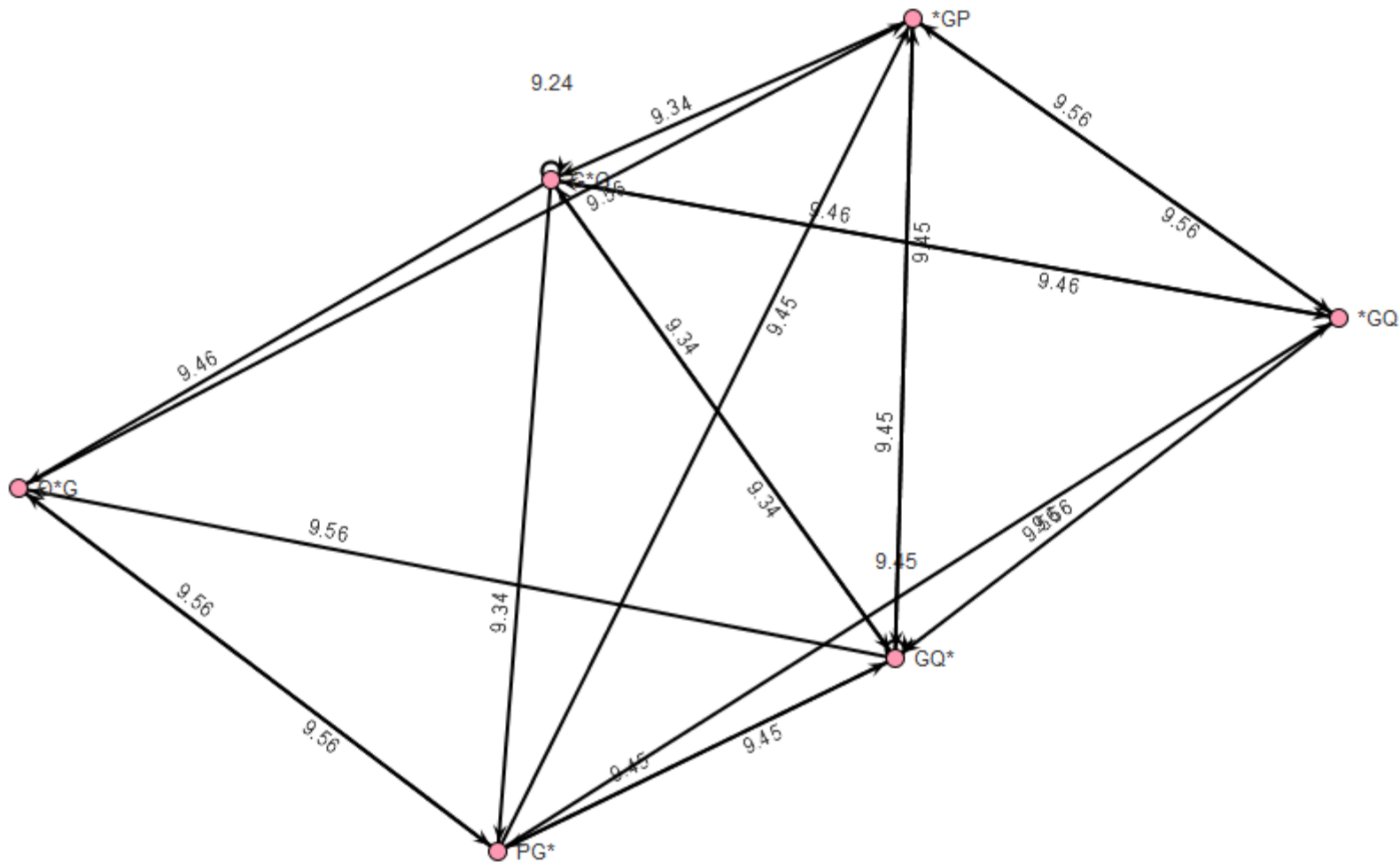
>gi|303307762|gb|ADM14319.1| major ampullate spidroin 2, partial [Deinopis spinosa]



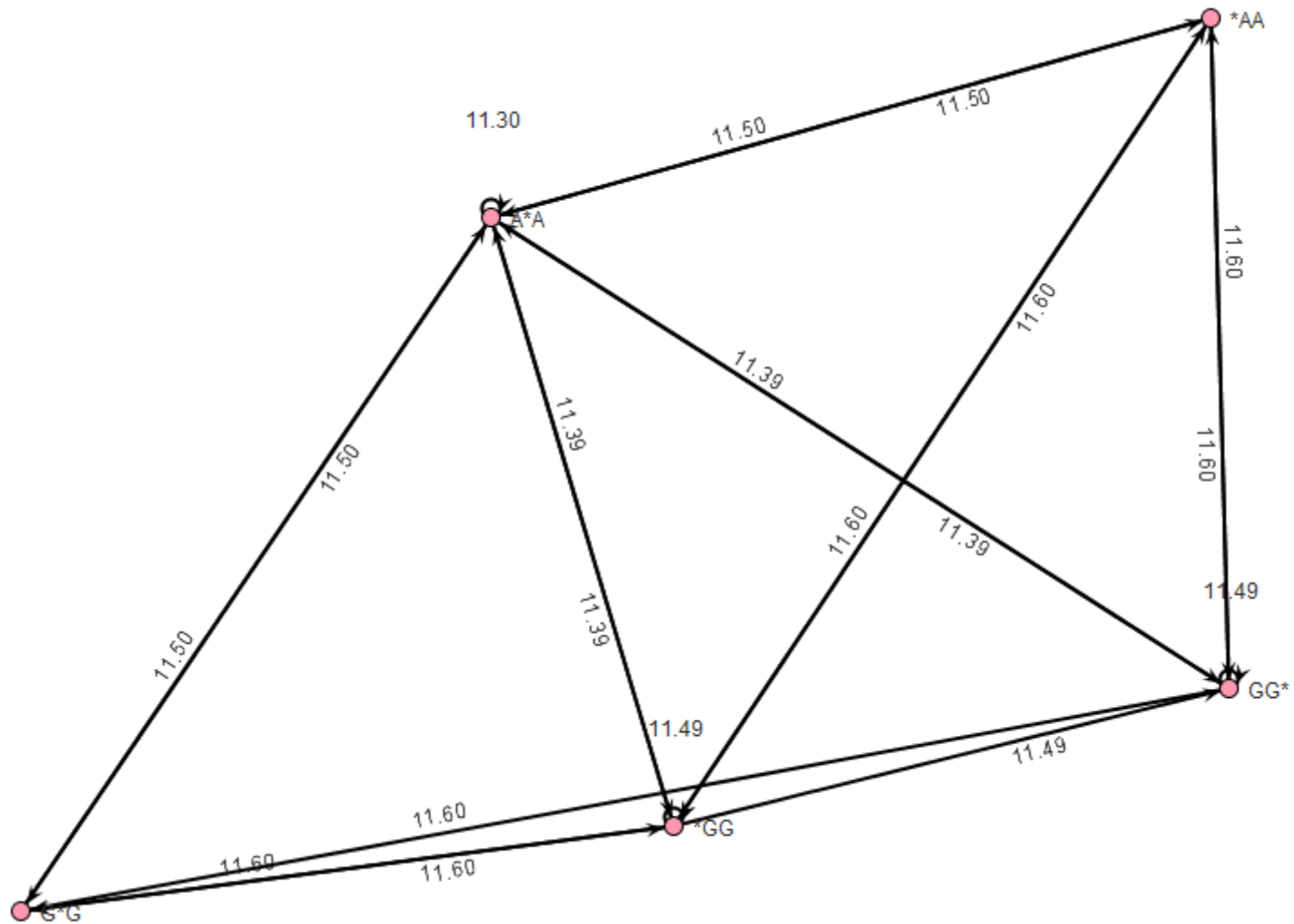
>gi|89114000|gb|ABD61593.1| MaSp2a, partial [*Deinopis spinosa*]



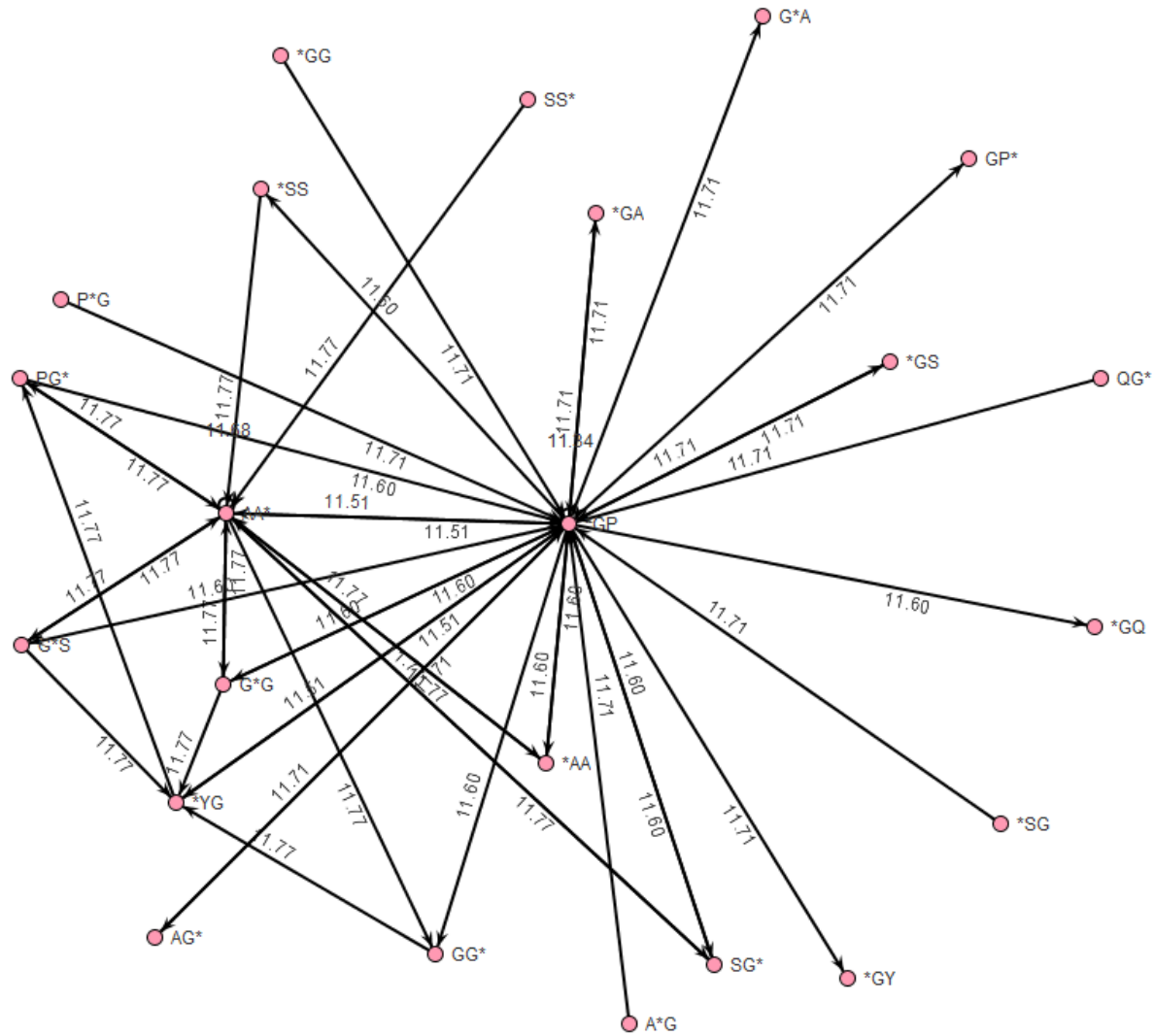
>gi|89114002|gb|ABD61594.1| MaSp2b, partial [Deinopis spinosa]



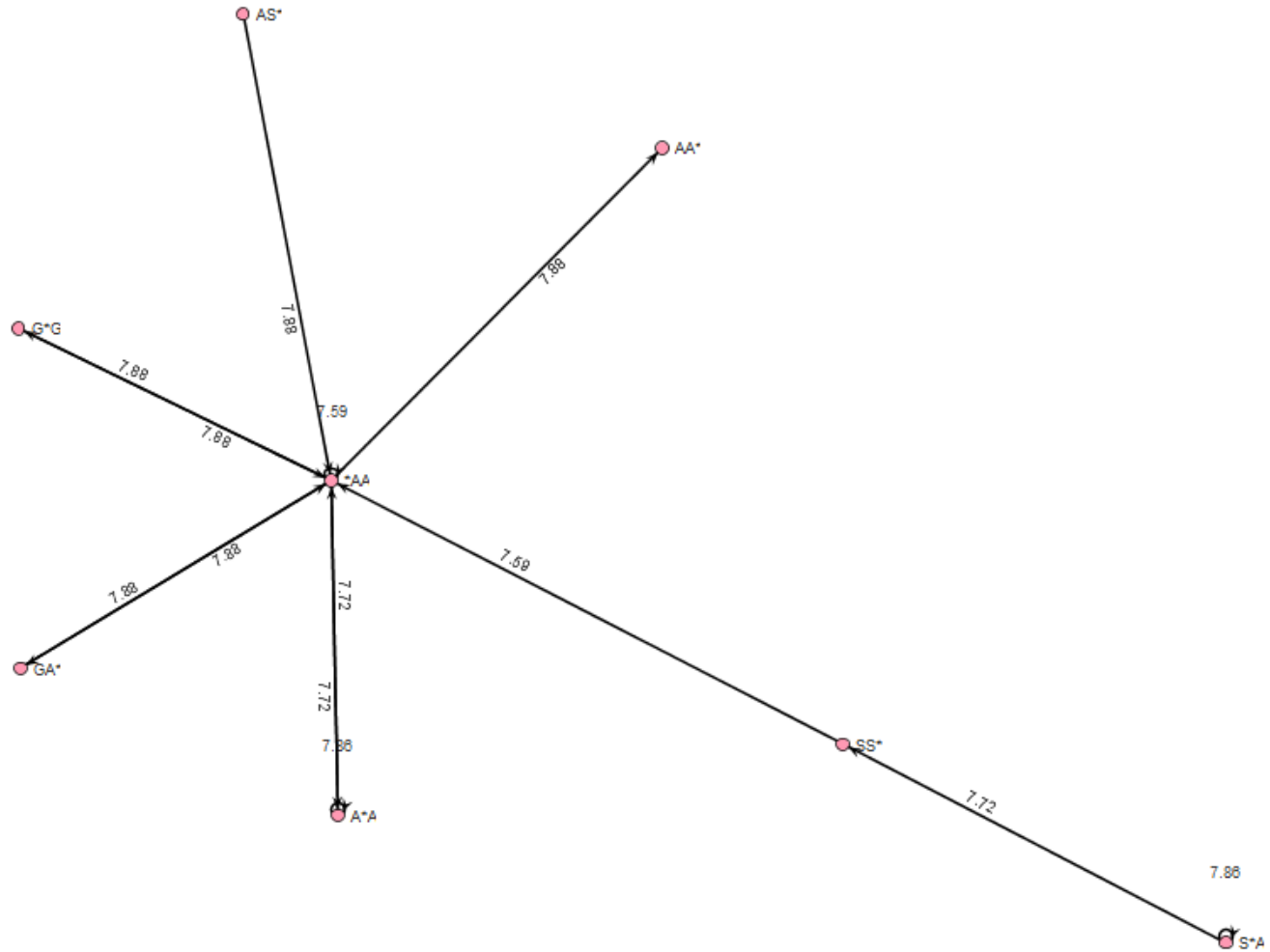
>gi|150416774|gb|ABR68856.1| major ampullate spidroin 1 [*Latrodectus hesperus*]



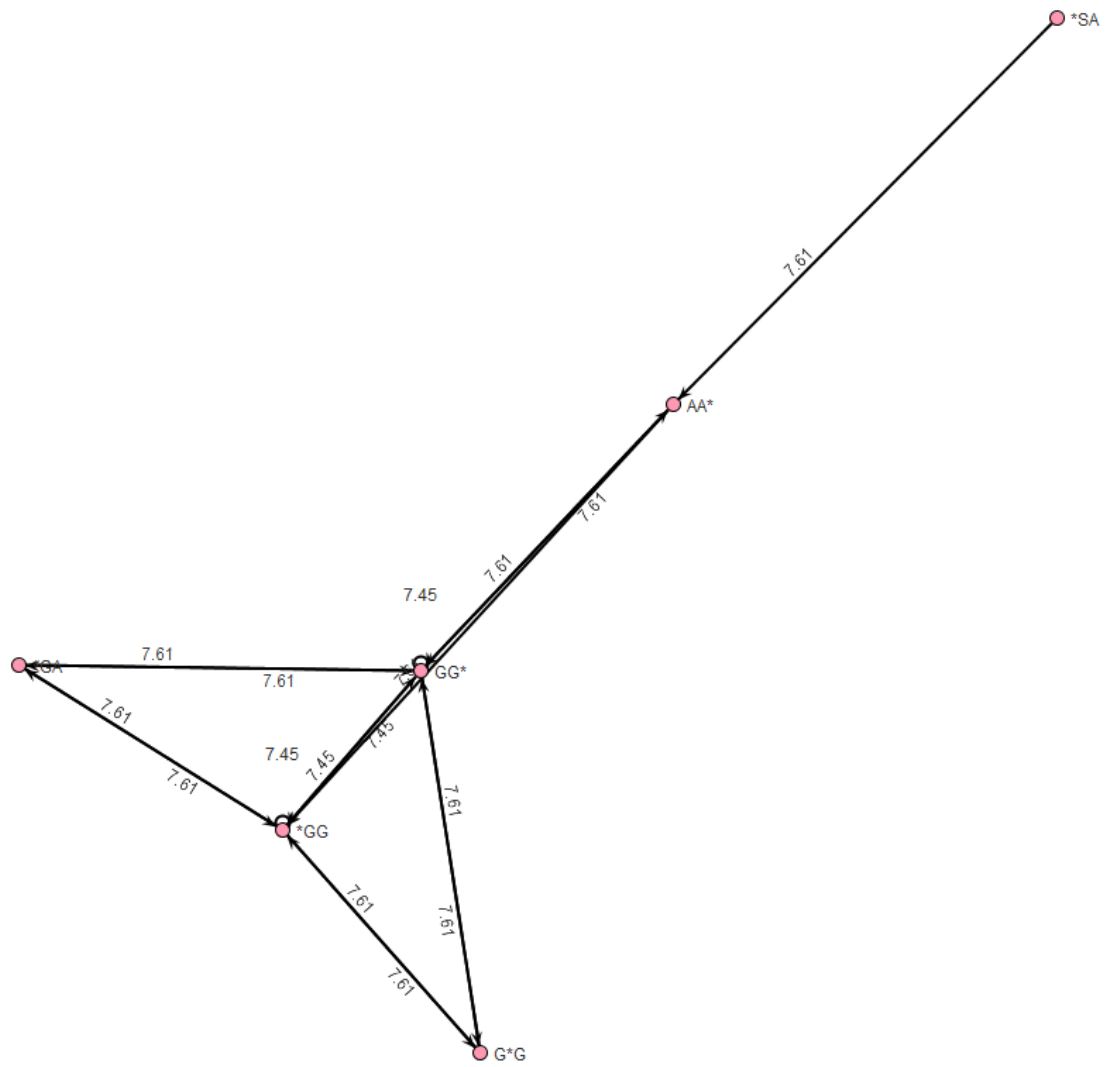
>gi|150416772|gb|ABR68855.1| major ampullate spidroin 2 [*Latrodectus hesperus*]



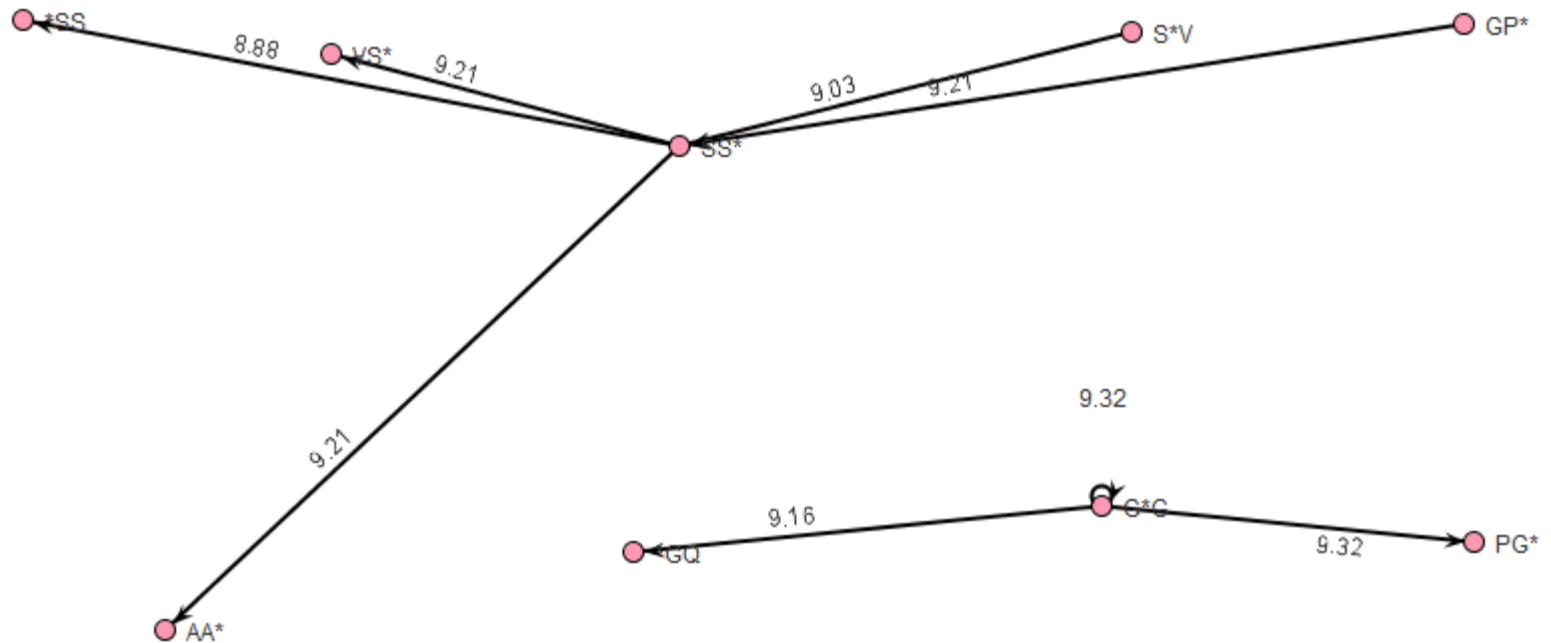
>gi|1263283|gb|AAC47008.1| fibroin-1, partial [Araneus diadematus]



>gi|1263285|gb|AAC47009.1| fibroin-2, partial [Araneus diadematus]

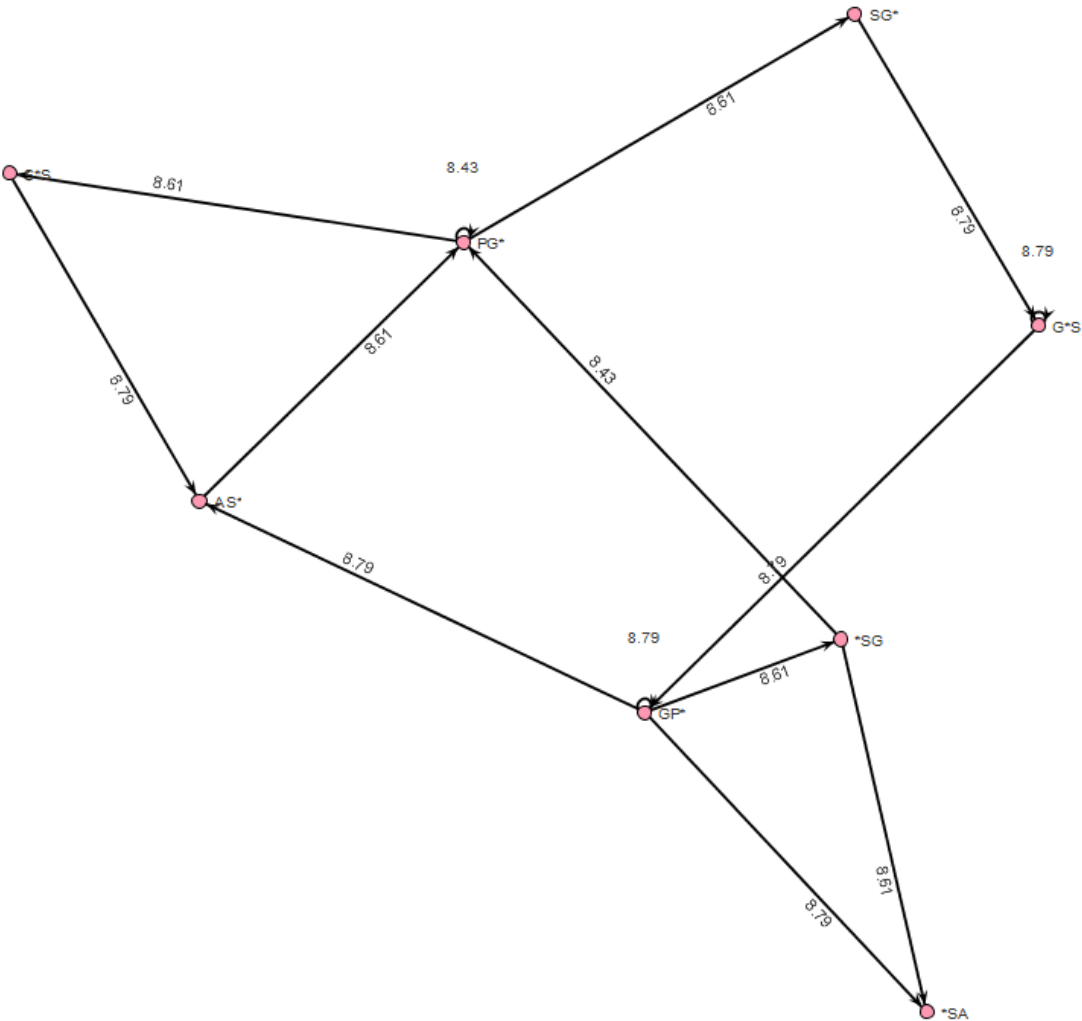


>gi|1263287|gb|AAC47010.1| fibroin-3, partial [*Araneus diadematus*]

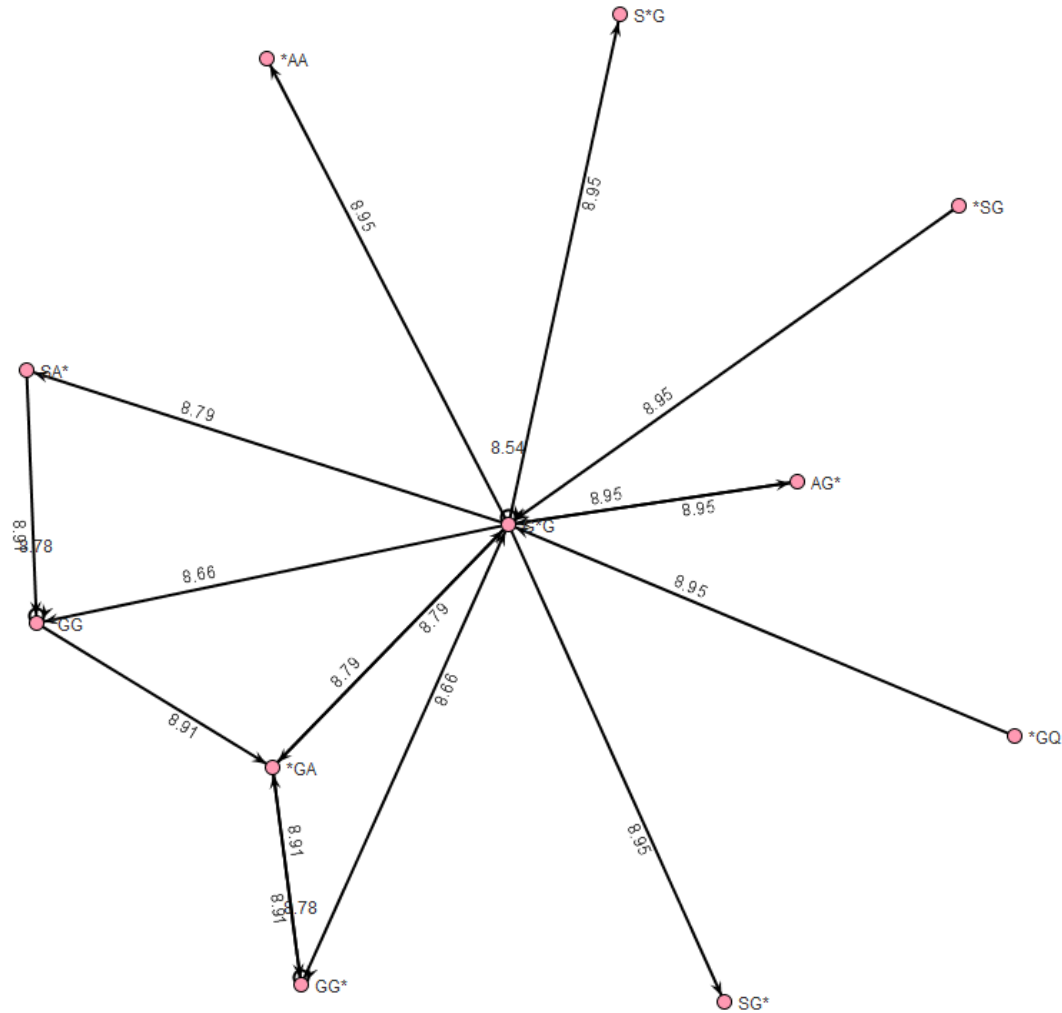




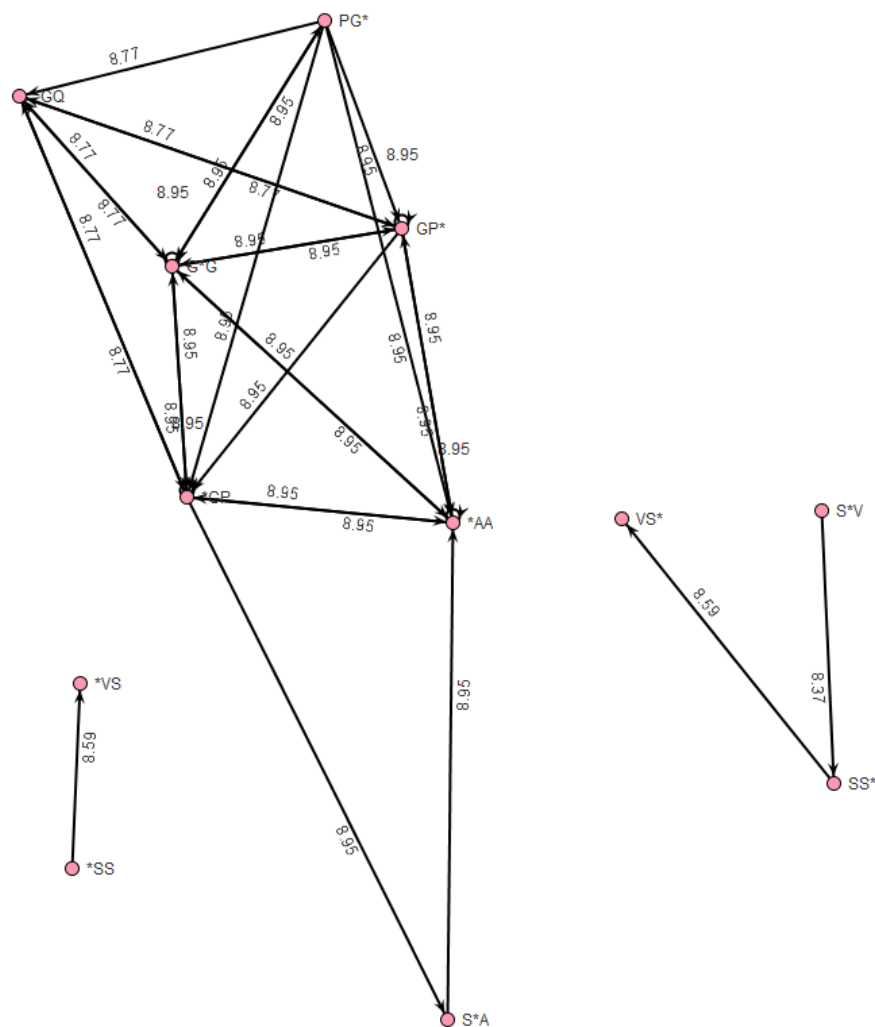
>gi|1263289|gb|AAC47011.1| fibroin-4, partial [Araneus diadematus]



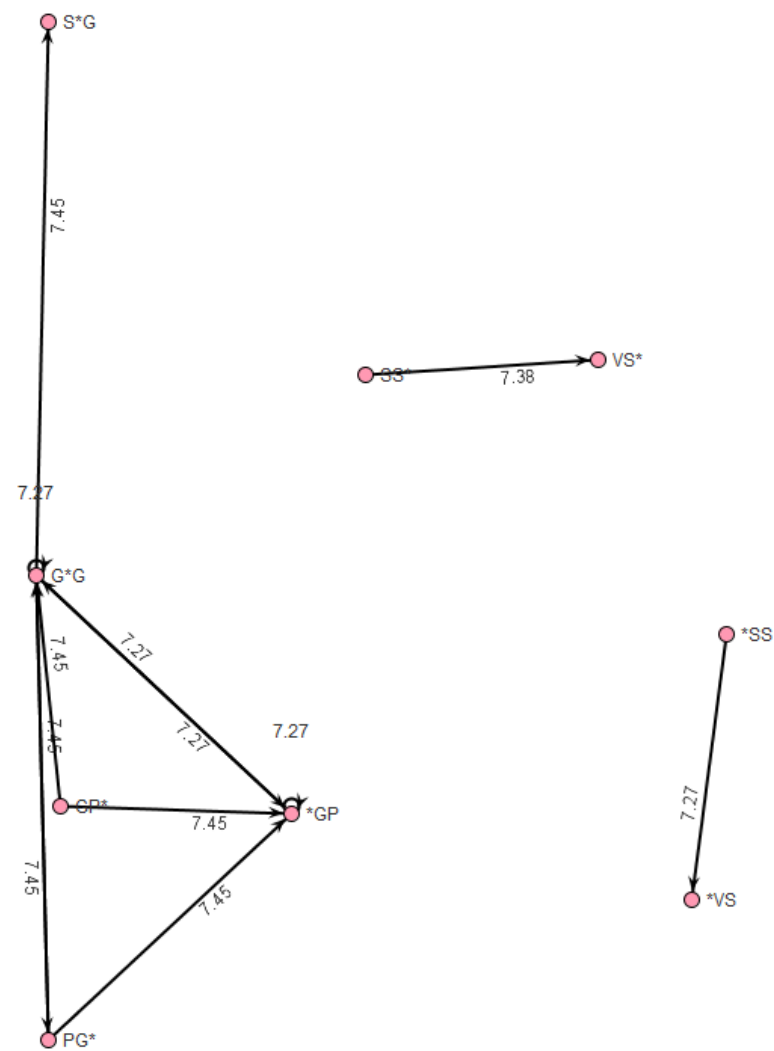
>gi|13561984|gb|AAK30595.1|AF350266\_1 major ampullate spidroin 1, partial  
[Argiope trifasciata]



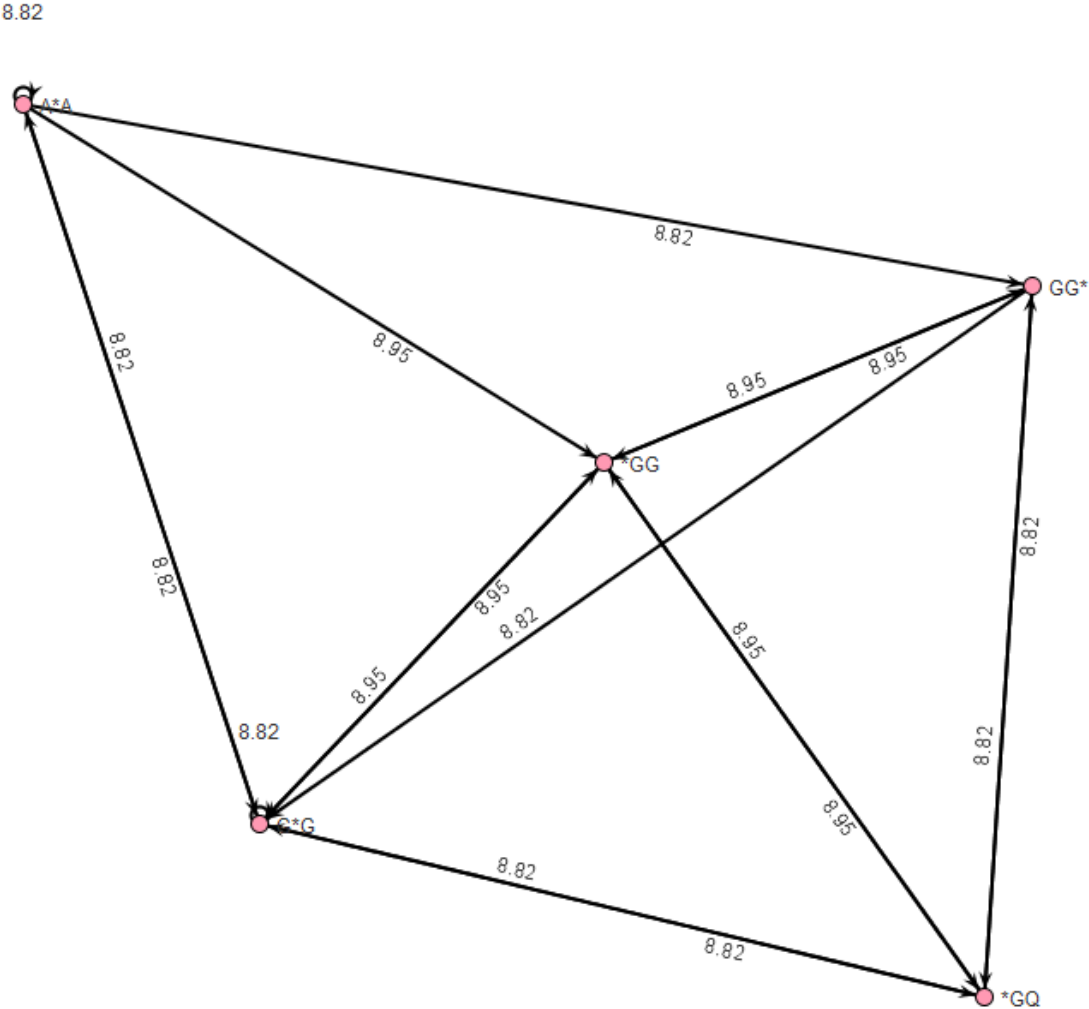
>gi|13561986|gb|AAK30596.1|AF350267\_1 major ampullate spidroin 2, partial  
[Argiope trifasciata]



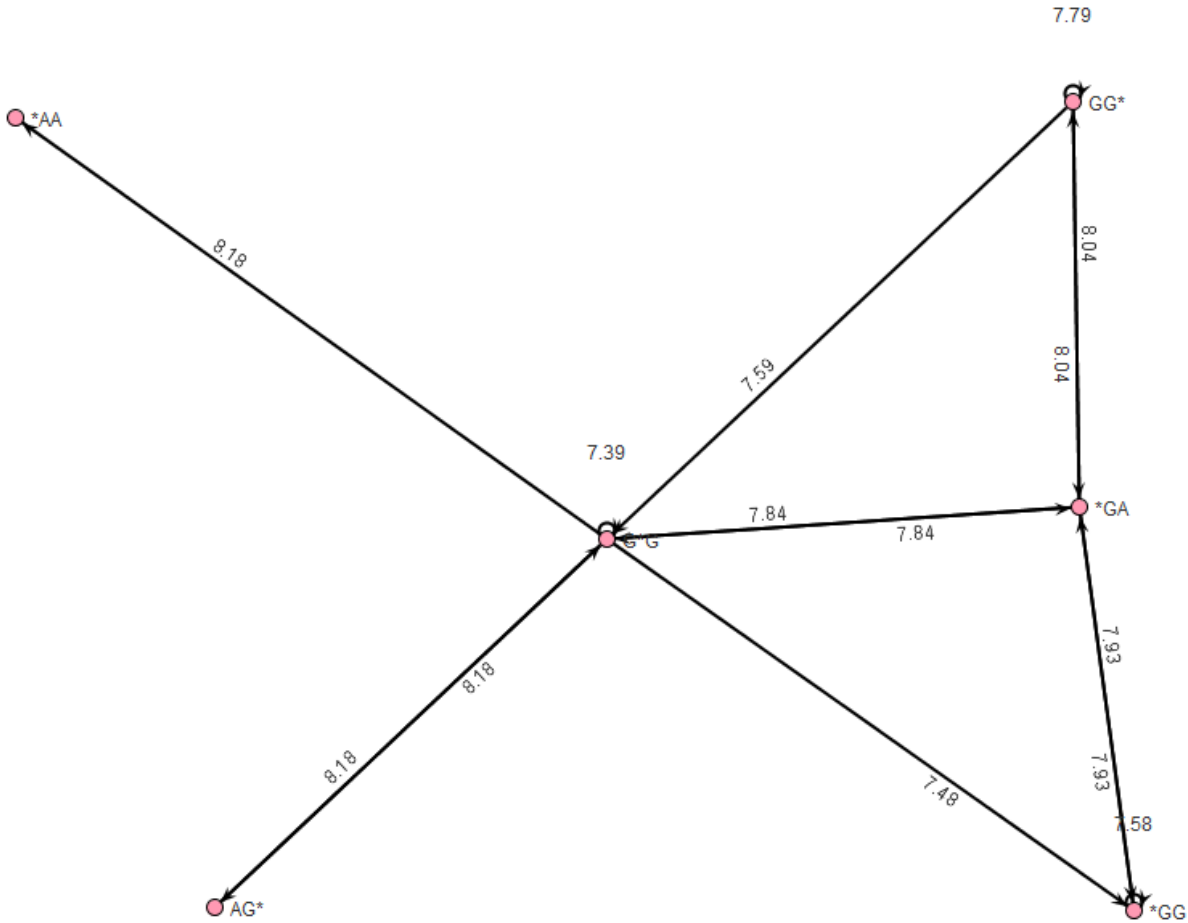
>gi|70913274|gb|AAZ15372.1| major ampullate spidroin 2, partial [Argiope trifasciata]



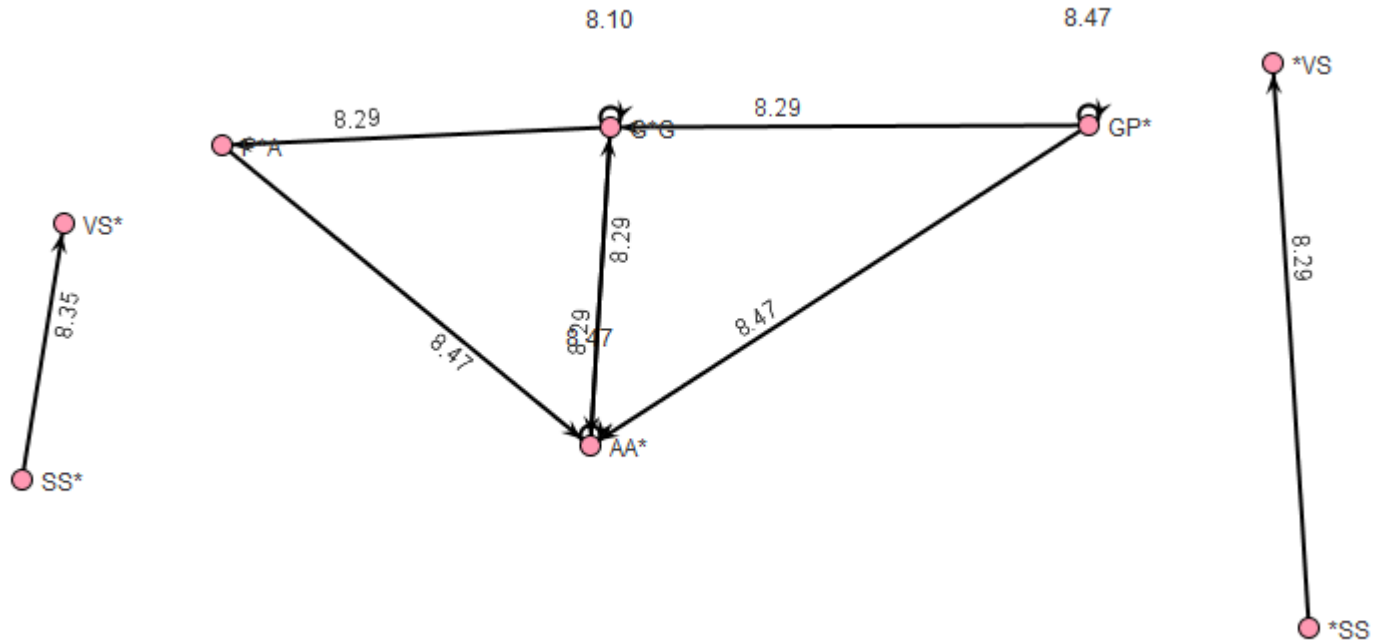
>gi|70913273|gb|AAZ15371.1| major ampullate spidroin 2, partial [Argiope trifasciata]



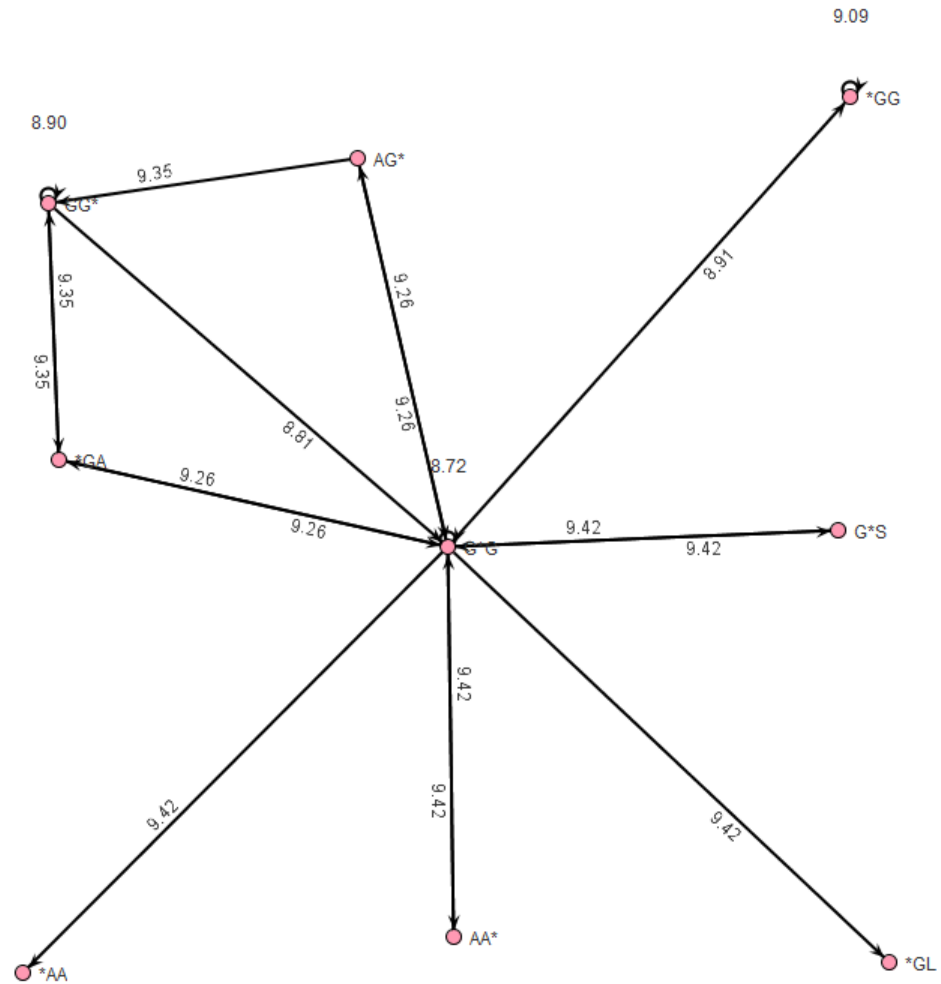
>gi|13561976|gb|AAK30591.1|AF350262\_1 major ampullate spidroin 1, partial  
[Argiope aurantia]



>gi|13561978|gb|AAK30592.1|AF350263\_1 major ampullate spidroin 2, partial  
[Argiope aurantia]

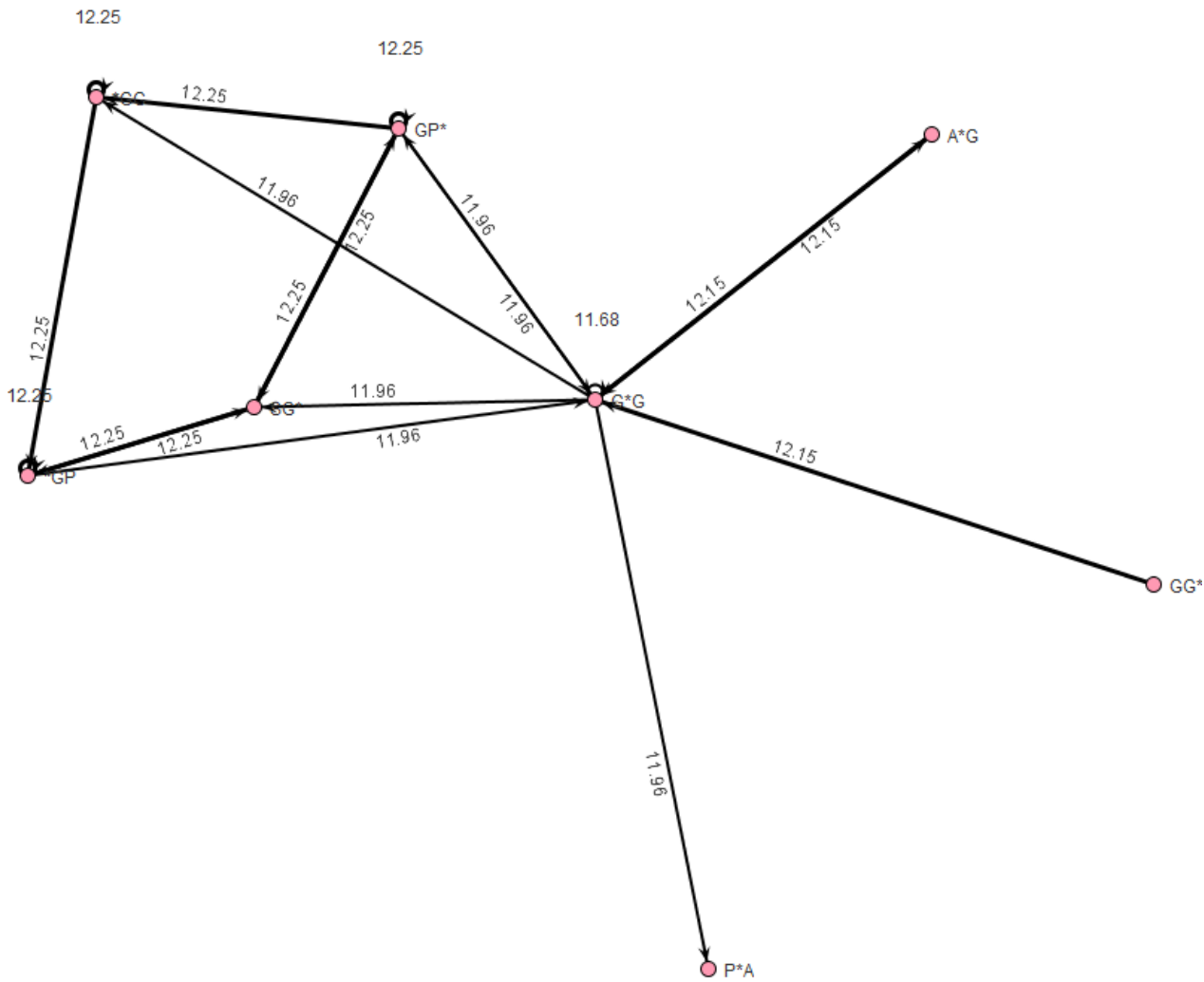


>gi|395318526|gb|AFN54362.1| major ampullate silk protein 1, partial [Argiope  
bruennichi]





>gi|433552197|gb|AGB35874.1| major ampullate silk protein 2, partial [Argiope  
bruennichi]



>gi|395318528|gb|AFN54363.1| major ampullate silk protein 2 [Argiope bruennichi]

