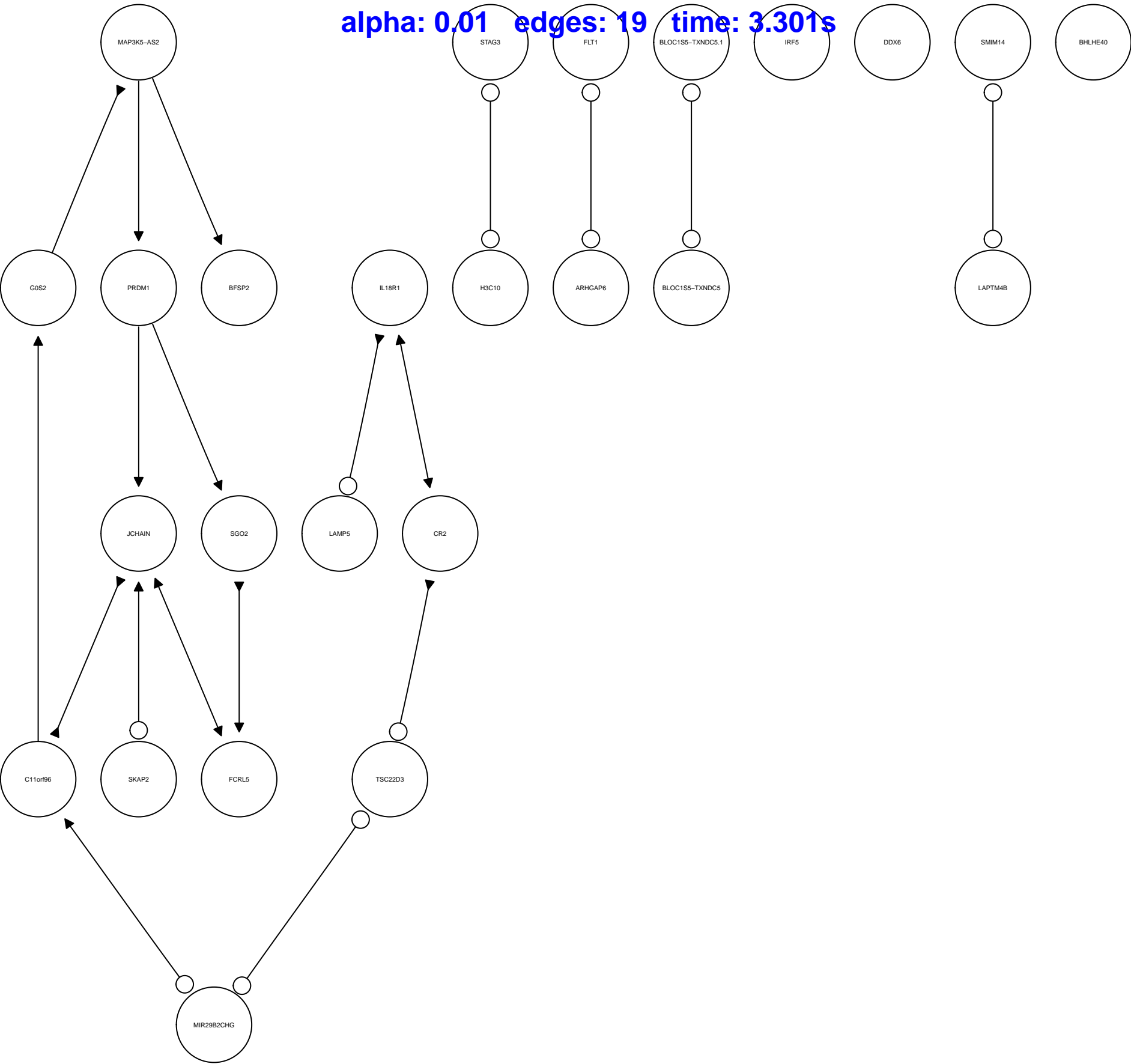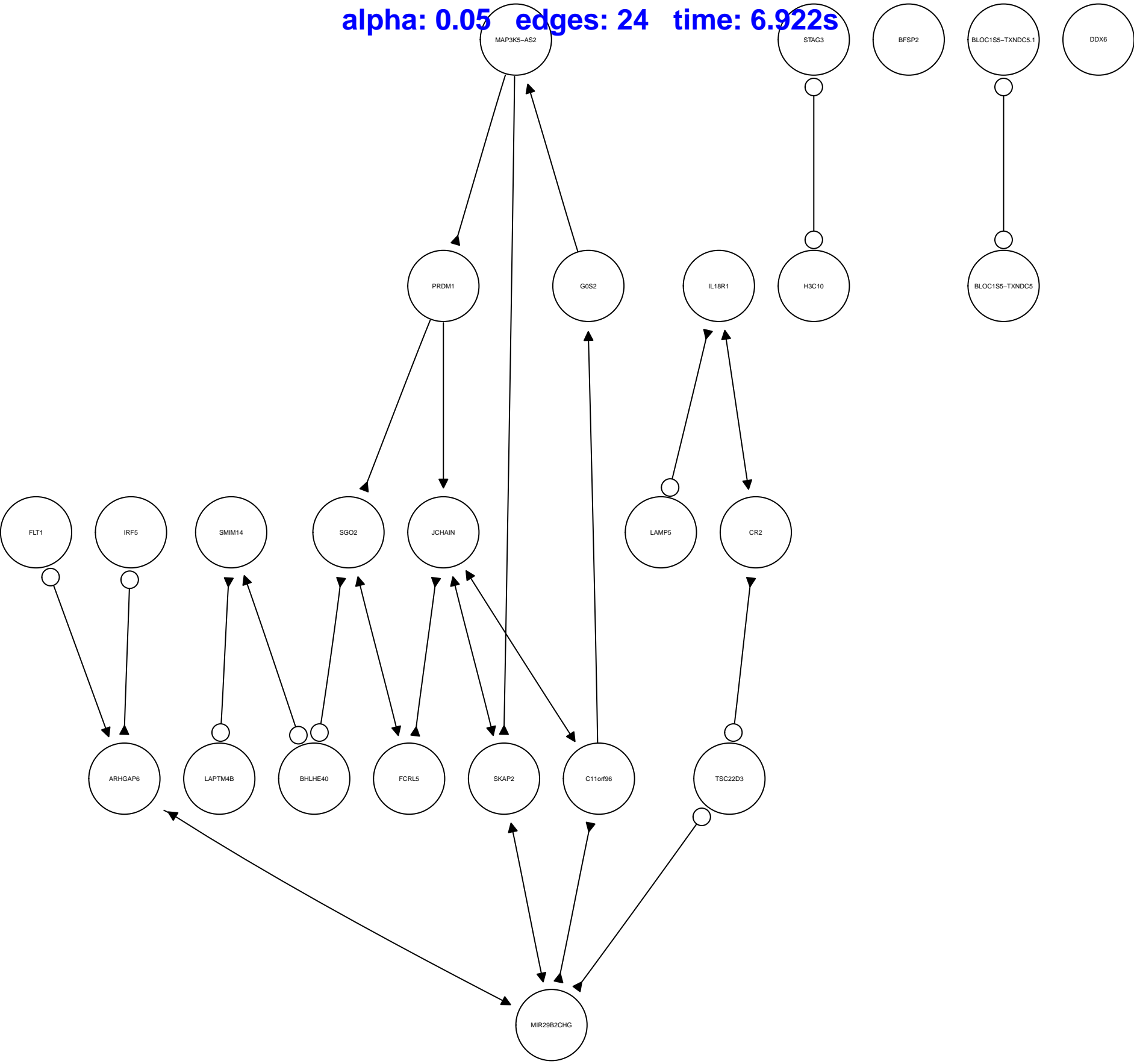alpha: 0.01   edges: 19   time: 3.301s

alpha: 0.05   edges: 24   time: 6.922s

alpha: 0.1   edges: 25   time: 8.766s