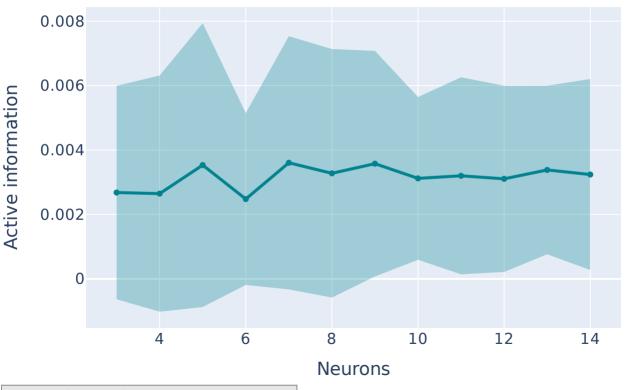Active information of sink neurons in simplices of different sizes