



**Fig. S25.** The complementary cumulative distribution ( $C$ ) of the attractive gene-gene gravitation score ( $G$ ) for oncogenes versus non-oncogenes in lung adenocarcinoma (LUAD) and lung squamous cell carcinoma (LUSC) smoker and never-smoker (Nonsmoker) patients. The number of gene-gene pairs for blue line is equal to red line by random sampling 100 times. The shadow of blue line represent the standard deviation.