$$\{Q_\alpha, \overline{Q}_{\dot{\beta}}\} = 2\sigma^\mu_{\alpha\dot{\beta}} P_\mu = -2i\sigma^\mu_{\alpha\dot{\beta}} \partial_\mu$$

$$\{Q_\alpha, Q_\beta\} = 0$$

$$\{\overline{Q}_{\dot{\alpha}}, \overline{Q}_{\dot{\beta}}\} = 0$$