$$\begin{aligned}\delta\mathcal{L}_{\text{fermion}} &= -\epsilon\sigma^\nu\partial_\nu\phi^*\overline{\sigma}^\mu\partial_\mu\psi + \psi^\dagger\overline{\sigma}^\mu\sigma^\nu\epsilon^\dagger\partial_\mu\partial_\nu\phi + i\epsilon^\dagger\overline{\sigma}^\mu\partial_\mu\psi\mathcal{F}^* + i\psi^\dagger\overline{\sigma}^\mu\partial_\mu(\epsilon\mathcal{F}) \\ &= \delta^{\text{old}}\mathcal{L}_{\text{fermion}} + i\epsilon^\dagger\overline{\sigma}^\mu\partial_\mu\psi\mathcal{F}^* - i(\partial_\mu\psi^\dagger)\overline{\sigma}^\mu\epsilon\mathcal{F} + \partial_\mu(i\psi^\dagger\overline{\sigma}^\mu\epsilon\mathcal{F})\end{aligned}$$