

$$Q_3 = (\bar{s}d)_{V-A} !! \sum_{q=u,d,s,c,b} (\bar{q}q)_{V-A}, \quad Q_4 = (\bar{s}_\alpha d_\beta)_{V-A} !! \sum_{q=u,d,s,c,b} (\bar{q}_\beta q_\alpha)_{V-A},$$