Basis Bern (EFT WET-4)

Sectors

The effective Lagrangian is defined as

$$\mathcal{L}_{\text{eff}} = -\mathcal{H}_{\text{eff}} = \sum_{O_i = O_i^{\dagger}} C_i O_i + \sum_{O_i \neq O_i^{\dagger}} \left(C_i O_i + C_i^* O_i^{\dagger} \right).$$

udenu

WC name	Operator	Type
1udee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	\overline{C}
5udee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e}\nu_e)$	\mathbf{C}
1pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	\mathbf{C}
5pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e}\nu_e)$	\mathbf{C}
7pudee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1udemu	$rac{4 \tilde{G}_F}{\sqrt{2}} (ar{u} P_R \gamma^\mu d) (ar{e} \gamma_\mu u_\mu)$	\mathbf{C}
5udemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e} u_\mu)$	\mathbf{C}
1pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{e}\gamma_\mu u_\mu)$	\mathbf{C}
5pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e}\nu_\mu)$	\mathbf{C}
7pudemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1udetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{e}\gamma_\mu \nu_ au)$	\mathbf{C}
5udetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pudetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5pudetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{e}\nu_{\tau})$	\mathbf{C}
7pudetau	$rac{4G_F}{\sqrt{2}}(ar{u}P_L\sigma^{\mu u}d)(ar{e}\sigma_{\mu u} u_ au)$	$^{\mathrm{C}}$

udmunu

WC name	Operator	Type
1udmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	\overline{C}
5udmue	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_e)$	\mathbf{C}
1pudmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pudmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\mu}\nu_e)$	\mathbf{C}
7pudmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1udmumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_{\mu})}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}d)(\bar{\mu}\gamma_{\mu}\nu_{\mu})}$	\mathbf{C}
5udmumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pudmumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}

WC name	Operator	Type
5pudmumu	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L d)(\bar{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L \sigma^{\mu\nu} d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})} \\ \frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R \gamma^{\mu} d)(\bar{\mu}\gamma_{\mu}\nu_{\tau})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R d)(\bar{\mu}\nu_{\tau})} $	C
7pudmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1udmutau	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu u_ au)$	\mathbf{C}
5udmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pudmutau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\tau)$	\mathbf{C}
5pudmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\mu} u_{ au})$	\mathbf{C}
7pudmutau	$\frac{\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L d)(\bar{\mu}\nu_{\tau})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L \sigma^{\mu\nu} d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})}$	$^{\mathrm{C}}$

${\tt udtaunu}$

WC name	Operator	Type
1udtaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	C
5udtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_e)$	\mathbf{C}
1pudtaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pudtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\tau}\nu_e)$	\mathbf{C}
7pudtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1udtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	\mathbf{C}
5udtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu u_\mu)$	\mathbf{C}
5pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{ au} u_\mu)$	\mathbf{C}
7pudtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1udtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5udtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rd)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pudtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5pudtautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_Ld)(\bar{\tau} u_{ au})$	$^{\mathrm{C}}$
7pudtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	С

cdenu

WC name	Operator	Type
1cdee	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}d)(\bar{e}\gamma_{\mu}\nu_e)}{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_e)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}d)(\bar{e}\gamma_{\mu}\nu_e)}{\sqrt{2}}$	C
5cdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_e)$	\mathbf{C}
1pcdee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e}\nu_e)$	\mathbf{C}
7pcdee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cdemu	$\frac{\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{c}P_{L}\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{e})}{\frac{4G_{F}}{\sqrt{2}}(\bar{c}P_{R}\gamma^{\mu}d)(\bar{e}\gamma_{\mu}\nu_{\mu})}$	$^{\mathrm{C}}$

WC name	Operator	Type
5cdemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_\mu)$	C
1pcdemu	$\frac{\sqrt{2}}{\sqrt{2}} \frac{(\bar{c}P_L \gamma^\mu d)(\bar{e}\gamma_\mu \nu_\mu)}{\sqrt{2}} \frac{4G_F}{\sqrt{2}} (\bar{c}P_L d)(\bar{e}\nu_\mu) \frac{4G_F}{\sqrt{2}} (\bar{c}P_L \sigma^{\mu\nu} d)(\bar{e}\sigma_{\mu\nu}\nu_\mu)$	\mathbf{C}
5pcdemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcdemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cdetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{e}\gamma_\mu\nu_ au)$	\mathbf{C}
5cdetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcdetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_ au)$	\mathbf{C}
5pcdetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e}\nu_{\tau})$	\mathbf{C}
7pcdetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu} u_ au)$	$^{\mathrm{C}}$

${\tt cdmunu}$

WC name	Operator	Type
1cdmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	
5cdmue	$\frac{4 \stackrel{G}{G_F}}{\sqrt{2}} (\bar{c} P_R d) (\bar{\mu} \nu_e)$	$^{\mathrm{C}}$
1pcdmue	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_e)$	\mathbf{C}
5pcdmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu}\nu_e)$	\mathbf{C}
7pcdmue	$\frac{4 \overset{\circ}{N_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu\nu} d) (\bar{\mu} \sigma_{\mu\nu} \nu_e)$	\mathbf{C}
1cdmumu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cdmumu	$\frac{4\tilde{\mathbf{Y}}_{F}}{\sqrt{2}}(\bar{c}P_{R}d)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcdmumu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_\mu)$	\mathbf{C}
5pcdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu} u_{\mu})$	\mathbf{C}
7pcdmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cdmutau	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_R \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_\tau)$	\mathbf{C}
5cdmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pcdmutau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{\mu} \gamma_\mu \nu_ au)$	\mathbf{C}
5pcdmutau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L d) (\bar{\mu} \nu_{\tau})$	\mathbf{C}
7pcdmutau	$rac{4 \widetilde{G}_F}{\sqrt{2}} (ar{c} P_L \sigma^{\mu u} d) (ar{\mu} \sigma_{\mu u} u_{ au})$	$^{\mathrm{C}}$

${\tt cdtaunu}$

WC name	Operator	Type
1cdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	C
5cdtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcdtaue	$\frac{4\overset{Q\mathcal{L}}{\mathcal{L}}}{\sqrt{2}}(\bar{c}P_{L}\gamma^{\mu}d)(\bar{\tau}\gamma_{\mu}\nu_{e})$	\mathbf{C}
5pcdtaue	$rac{4 \widetilde{G_F}}{\sqrt{2}} (ar{c} P_L d) (ar{ au} u_e)$	\mathbf{C}

WC name	Operator	Type
7pcdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\overline{C}
1cdtaumu	$rac{4G_F}{\sqrt{2}}(ar{c}P_R\gamma^\mu d)(ar{ au}\gamma_\mu u_\mu)$	\mathbf{C}
5cdtaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pcdtaumu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcdtaumu	$\frac{4\overset{\circ}{\sqrt{2}}}{\sqrt{2}}(\bar{c}P_Ld)(\bar{ au} u_\mu)$	\mathbf{C}
7pcdtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cdtautau	$\frac{4\tilde{\zeta}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5cdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_{ au})$	\mathbf{C}
1pcdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5pcdtautau	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{c}P_{L}d)(\bar{ au} u_{ au})$	\mathbf{C}
7pcdtautau	$\frac{4\tilde{\zeta}_{rF}^{\sigma}}{\sqrt{2}}(\bar{c}P_{L}\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	C

sdsd

WC name	Operator	Type
1dsds	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_L s)(ar{d}\gamma^\mu P_L s)$	C
5dsds	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}_lpha P_L s_eta)(ar{d}_eta P_R s_lpha)$	\mathbf{C}
2dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{d}P_L s)$	\mathbf{C}
1pdsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Rs)(\bar{d}\gamma^{\mu}P_Rs)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}_{\alpha}P_Ls_{\beta})(\bar{d}_{\beta}P_Ls_{\alpha})$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}P_Rs)$	\mathbf{C}
3dsds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}_{\alpha}P_Ls_{\beta})(\bar{d}_{\beta}P_Ls_{\alpha})$	$^{\mathrm{C}}$
2pdsds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}P_Rs)$	\mathbf{C}
4dsds	$rac{4G_F}{\sqrt{2}}(ar{d}P_L s)(ar{d}P_R s)$	\mathbf{C}
3pdsds	$rac{4 \overset{.}{G_F}}{\sqrt{2}} (ar{d}_lpha P_R s_eta) (ar{d}_eta P_R s_lpha)$	$^{\mathrm{C}}$

usenu

WC name	Operator	Type
1usee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e)$	C
5usee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
1pusee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pusee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
7pusee	$\begin{array}{c} \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}s)(\bar{e}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}s)(\bar{e}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}s)(\bar{e}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\mu}) \end{array}$	$^{\mathrm{C}}$
1usemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5usemu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
1pusemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pusemu	$\frac{\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_{\mu})}$	\mathbf{C}

WC name	Operator	Type
7pusemu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\tau})}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_{\tau})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\tau})}$	C
1usetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5usetau	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pusetau	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu} u_{ au})$	С
5pusetau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_{\tau})$	С
7pusetau	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

usmunu

WC name	Operator	Type
1usmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5usmue	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pusmue	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pusmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pusmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1usmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5usmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
1pusmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pusmumu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu} u_\mu)$	$^{\mathrm{C}}$
7pusmumu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{u} P_L \sigma^{\mu \nu} s) (\bar{\mu} \sigma_{\mu \nu} \nu_{\mu})$	$^{\mathrm{C}}$
1usmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5usmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_{ au})$	$^{\mathrm{C}}$
1pusmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5pusmutau	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu} u_{ au})$	\mathbf{C}
7pusmutau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

ustaunu

WC name	Operator	Type
1ustaue	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e) \end{array}$	\overline{C}
5ustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
1pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	\mathbf{C}
7pustaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})}$	\mathbf{C}
1ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu u_\mu)$	\mathbf{C}
5ustaumu	$rac{4ar{G_F}}{\sqrt{2}}(ar{u}P_Rs)(ar{ au} u_\mu)$	\mathbf{C}

WC name	Operator	Type
1pustaumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})}$	\overline{C}
5pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
7pustaumu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ustautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu \nu_ au)$	\mathbf{C}
5ustautau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pustautau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau} u_{ au})$	$^{\mathrm{C}}$
7pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L s)(\bar{\tau}\nu_{\tau})$ $\frac{4G_F}{\sqrt{2}}(\bar{u}P_L \sigma^{\mu\nu} s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	$^{\mathrm{C}}$

csenu

WC name	Operator	Type
1csee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e)$	C
5csee	$\frac{4G_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e)$	\mathbf{C}
7pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1csemu	$\frac{4 \stackrel{Q}{G_F}}{\sqrt{2}} (\bar{c} P_R \gamma^\mu s) (\bar{e} \gamma_\mu \nu_\mu)$	\mathbf{C}
5csemu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcsemu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu u_\mu)$	\mathbf{C}
5pcsemu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L s)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1csetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5csetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5pcsetau	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L s)(\bar{e}\nu_{ au})$	\mathbf{C}
7pcsetau	$rac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(ar{c}P_{L}\sigma^{\mu u}s)(ar{e}\sigma_{\mu u} u_{ au})$	\mathbf{C}

csmunu

WC name	Operator	Type
1csmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5csmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcsmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pcsmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$

WC name	Operator	Type
1csmumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})}{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\mu})}$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\overline{C}
5csmumu	$\frac{4\overset{\sim}{Q_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcsmumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{\mu} \gamma_\mu \nu_\mu)$	\mathbf{C}
5pcsmumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_L s) (\bar{\mu} \nu_{\mu})$	\mathbf{C}
7pcsmumu	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu \nu} s) (\bar{\mu} \sigma_{\mu \nu} \nu_{\mu})$	\mathbf{C}
1csmutau	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_R \gamma^{\mu} s) (\bar{\mu} \gamma_{\mu} \nu_{\tau})$	\mathbf{C}
5csmutau	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pcsmutau	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_L \gamma^{\mu} s) (\bar{\mu} \gamma_{\mu} \nu_{ au})$	\mathbf{C}
5pcsmutau	$rac{4G_F}{\sqrt{2}}(ar{c}P_Ls)(ar{\mu} u_ au)$	\mathbf{C}
7pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	C

${\tt cstaunu}$

WC name	Operator	Type
1cstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	C
5cstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L s)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5cstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pcstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_\mu)$	\mathbf{C}
7pcstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{c}P_L\gamma^\mu s)(ar{ au}\gamma_\mu u_ au)$	\mathbf{C}
5pcstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
7pcstautau	$rac{4 \widetilde{G_F}}{\sqrt{2}} (ar{c} P_L \sigma^{\mu u} s) (ar{ au} \sigma_{\mu u} u_ au)$	\mathbf{C}

sdcu

WC name	Operator	Type
1dsuc	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{u}\gamma^\mu c)$	C
2dsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{u}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3dsuc	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu u ho}s)(\bar{u}\gamma^{\mu u ho}c)$	$^{\mathrm{C}}$

WC name	Operator	Type
4dsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	С
5dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}c)$	$^{\mathrm{C}}$
6dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8dsuc	$\frac{4\tilde{Q}_F^{\mathcal{F}}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{u}\gamma^\mu c)$	$^{\mathrm{C}}$
2pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Ac)$	$^{\mathrm{C}}$
3pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
4pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5pdsuc	$\frac{4\overset{A}{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}c)$	$^{\mathrm{C}}$
6pdsuc	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Ac)$	\mathbf{C}
7pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9pdsuc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10pdsuc	$\frac{4\tilde{\zeta}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}

sduc

WC name	Operator	Type
1dscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu u)$	C
2dscu	$\frac{4\overset{Q^{C}_{F}}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}T^{A}s)(\bar{c}\gamma^{\mu}T^{A}u)$	\mathbf{C}
3dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dscu	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dscu	$\frac{4\overset{A}{G_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}u)$	\mathbf{C}
6dscu	$\frac{4\overset{A}{G_F}}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Au)$	\mathbf{C}
7dscu	$\frac{4\tilde{Q}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dscu	$\frac{4\overset{QG}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dscu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdscu	$\frac{4\tilde{Q}_F^{\mathcal{F}}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu u)$	\mathbf{C}
2pdscu	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Au)$	\mathbf{C}
3pdscu	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{c}\gamma^{\mu u ho}u)$	\mathbf{C}
4pdscu	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdscu	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_Ls)(ar{c}u)$	\mathbf{C}

WC name	Operator	Type
6pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Au)$	С
7pdscu	$\frac{4\overset{Q^{2}}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdscu	$\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdscu	$\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}

sd

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7gammads	$\frac{4G_F}{\sqrt{2}}\frac{e}{q_z^2}m_s(\bar{d}P_R\sigma_{\mu\nu}s)F^{\mu\nu}$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8gds	$rac{4\overset{f G_F}{\sqrt{2}}}{\sqrt{2}}rac{\overset{3s}{g_s}}{q_s}m_s(ar{d}P_R\sigma_{\mu u}T^As)G_A^{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7pgammads	$rac{4ar{Q}_F^2}{\sqrt{2}}rac{g_s^2}{g_s^2}m_s(ar{d}P_L\sigma_{\mu u}s)F^{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8pgds	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}\frac{\tilde{J}_s}{q_s}m_s(\bar{d}P_L\sigma_{\mu\nu}T^As)G_A^{\mu\nu}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1dsuu	$rac{4 V_F}{\sqrt{2}} (ar{d} P_R \gamma_\mu s) (ar{u} \gamma^\mu u)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2dsuu		\mathbf{C}
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4dsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} T^A s) (\bar{u} \gamma^{\mu\nu\rho} T^A u)$	\mathbf{C}
7dsuu $\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad$	5dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	\mathbf{C}
8dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad C$ 9dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad C$ 10dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 1pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{u}\gamma^{\mu}u) \qquad \qquad C$ 2pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^As)(\bar{u}\gamma^{\mu}T^Au) \qquad \qquad C$ 3pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u) \qquad \qquad C$ 4pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u) \qquad \qquad C$ 5pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au) \qquad \qquad C$ 6pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_LS)(\bar{u}u) \qquad \qquad C$ 6pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au) \qquad \qquad C$ 7pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad C$ 8pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad C$ 9pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad C$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}S)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad C$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 2dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$	6dsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R T^A s) (\bar{u} T^A u)$	\mathbf{C}
9dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad \mathbb{C}$ 10dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \mathbb{C}$ 1pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{u}\gamma^{\mu}u) \qquad \qquad \mathbb{C}$ 2pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^As)(\bar{u}\gamma^{\mu}T^Au) \qquad \qquad \mathbb{C}$ 3pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u) \qquad \qquad \mathbb{C}$ 4pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au) \qquad \qquad \mathbb{C}$ 5pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u) \qquad \qquad \mathbb{C}$ 6pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u) \qquad \qquad \mathbb{C}$ 7pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\tau^{As})(\bar{u}T^Au) \qquad \qquad \mathbb{C}$ 8pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad \mathbb{C}$ 8pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad \mathbb{C}$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad \mathbb{C}$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad \mathbb{C}$ 2dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad \mathbb{C}$	7dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
9dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad \mathbb{C}$ 10dsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \mathbb{C}$ 1pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{u}\gamma^{\mu}u) \qquad \qquad \mathbb{C}$ 2pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^As)(\bar{u}\gamma^{\mu}T^Au) \qquad \qquad \mathbb{C}$ 3pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u) \qquad \qquad \mathbb{C}$ 4pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au) \qquad \qquad \mathbb{C}$ 5pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u) \qquad \qquad \mathbb{C}$ 6pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u) \qquad \qquad \mathbb{C}$ 7pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\tau^{As})(\bar{u}T^Au) \qquad \qquad \mathbb{C}$ 8pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad \mathbb{C}$ 8pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad \mathbb{C}$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad \mathbb{C}$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad \mathbb{C}$ 2dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad \mathbb{C}$	8dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10dsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{u} \gamma^{\mu\nu\rho\sigma} T^A u)$	\mathbf{C}
3pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u) \qquad \qquad C$ 4pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}S)(\bar{u}\gamma^{\mu\nu\rho}T^Au) \qquad \qquad C$ 5pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u) \qquad \qquad C$ 6pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au) \qquad \qquad C$ 7pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad C$ 8pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad C$ 9pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}S)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad C$ 10pdsuu $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 1dscc $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}S)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2dscc $\frac{4\overset{\nabla}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad C$	1pdsuu		\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	2pdsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4pdsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
7pdsuu $\frac{\sqrt[4]{G_F}}{\sqrt[7]{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u) \qquad \qquad \mathbb{C}$ 8pdsuu $\frac{4G_F}{\sqrt[7]{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad \mathbb{C}$ 9pdsuu $\frac{4G_F}{\sqrt[7]{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad \mathbb{C}$ 10pdsuu $\frac{4G_F}{\sqrt[7]{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad \mathbb{C}$ 1dscc $\frac{4G_F}{\sqrt[7]{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \qquad \qquad \mathbb{C}$ 2dscc $\frac{4G_F}{\sqrt[7]{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad \mathbb{C}$	5pdsuu	$\frac{4\tilde{V}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u)$	\mathbf{C}
8pdsuu $\frac{4\overset{V}{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au) \qquad \qquad C$ 9pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad C$ 10pdsuu $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 1dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad C$	6pdsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L T^A s) (\bar{u} T^A u)$	\mathbf{C}
9pdsuu $\frac{4\overset{C_F}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \qquad \qquad C$ 10pdsuu $\frac{4\overset{C_F}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 1dscc $\frac{4\overset{C_F}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2dscc $\frac{4\overset{C_F}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad C$	7pdsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
10pdsuu $\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \qquad \qquad C$ 1dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad C$	8pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
1dscc $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu c) \qquad \qquad C$ 2dscc $\frac{4G_F}{\bar{c}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c) \qquad \qquad C$	9pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
2dscc $\frac{\sqrt[4]{G}}{\sqrt{G}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$ C	10pdsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{u} \gamma^{\mu\nu\rho\sigma} T^A u)$	\mathbf{C}
2dscc $\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_\mu T^A s) (\bar{c} \gamma^\mu T^A c) \qquad \qquad \text{C}$ 3dscc $\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} s) (\bar{c} \gamma^{\mu\nu\rho} c) \qquad \qquad \text{C}$	1dscc		$^{\mathrm{C}}$
3dscc $\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$ C	2dscc	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_\mu T^A s) (\bar{c} \gamma^\mu T^A c)$	$^{\mathrm{C}}$
	3dscc	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{c}\gamma^{\mu u ho}c)$	\mathbf{C}

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5dscc		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6dscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7dscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
9dscc $\frac{4\overline{G}_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\overline{c}\gamma^{\mu\nu\rho\sigma}c) \qquad \qquad C$ 10dscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\overline{c}\gamma^{\mu\nu\rho\sigma}T^{A}c) \qquad \qquad C$ 1pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu}s)(\overline{c}\gamma^{\mu}c) \qquad \qquad C$ 2pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu}s)(\overline{c}\gamma^{\mu}c) \qquad \qquad C$ 2pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu}s)(\overline{c}\gamma^{\mu}c) \qquad \qquad C$ 3pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$ 3pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$ 4pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}T^{A}s)(\overline{c}\gamma^{\mu\nu\rho}T^{A}c) \qquad \qquad C$ 5pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma^{a}s)(\overline{c}c) \qquad \qquad C$ 5pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma^{a}s)(\overline{c}c) \qquad \qquad C$ 7pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma^{a}s)(\overline{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 8pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma^{a}s)(\overline{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 2pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma^{a}\nu^{a}s)(\overline{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 2pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\overline{c}\gamma^{\mu\nu\rho}\sigma c) \qquad \qquad C$ 10pdscc $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\overline{c}\gamma^{\mu\nu\rho}\sigma c) \qquad \qquad C$ 1dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\overline{c}\gamma^{\mu\nu\rho}\sigma c) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu}\rho s) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu}s)(\overline{s}\gamma^{\mu\nu}\rho s) \qquad \qquad C$ 2dsss $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsdd $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsdd $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 2dsdd $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}s)(\overline{s}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 2dsdd $\frac{4G_{R}}{\sqrt{2}}(\overline{d}P_{L}\gamma_{\mu\nu\rho}P_{L}s)(\overline{d}\gamma^{\mu\nu}d) \qquad$	8dscc	$\frac{4G_F}{\sqrt{c}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10dscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2pdscc	$\frac{4V_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4pdscc	$\frac{4\ddot{Q}_F^C}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5pdscc		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6pdscc	$\frac{4\overrightarrow{Q}_F^2}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7pdscc	$\frac{4\vec{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9pdscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10pdscc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1dsss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{s}\gamma^\mu s)$	\mathbf{C}
7dsss $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad$	3dsss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
7dsss $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad$	5dsss	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(ar{d}P_Rs)(ar{s}s)$	\mathbf{C}
9dsss $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad$	7dsss	$\frac{4\ddot{Q}_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dsss	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{s}\gamma^\mu s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdsss	$\frac{4\check{Q}_F^{\Gamma}}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{s}\gamma^{\mu u ho}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5pdsss	$rac{4ar{Q}_F^2}{\sqrt{2}}(ar{d}P_L s)(ar{s}s)$	\mathbf{C}
9pdsss $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad$	7pdsss	$\frac{4\widetilde{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9pdsss	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1dsdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Ls)(\bar{d}\gamma^{\mu}d)$	\mathbf{C}
3dsdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Ls)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3pdsdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rs)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5dsdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d) \qquad \qquad C$ 5pdsdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d) \qquad \qquad C$	1pdsdd	$\frac{4\check{G}_{F}}{\sqrt{\pi}}(\bar{d}\gamma_{\mu}P_{R}s)(\bar{d}\gamma^{\mu}d)$	\mathbf{C}
5pdsdd $\frac{4GF}{G}(dP_Rs)(dd)$ C	3dsdd	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(ar{d}\gamma_{\mu u ho}P_Ls)(ar{d}\gamma^{\mu u ho}d)$	\mathbf{C}
5pdsdd $\frac{4GF}{G}(dP_Rs)(dd)$ C	3pdsdd	$\frac{4\ddot{Q}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rs)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
5pdsdd $\frac{4GF}{G}(dP_Rs)(dd)$ C	5dsdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d)$	\mathbf{C}
7dsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 7pdsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9dsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$	5pdsdd	$\frac{4GF}{\sqrt{s}}(dP_Rs)(dd)$	\mathbf{C}
7pdsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad$	7dsdd	$\frac{4\tilde{G}_F^{\sigma}}{\sqrt{2}}(ar{d}\sigma^{\mu u}P_Ls)(ar{d}\sigma_{\mu u}d)$	\mathbf{C}
9dsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad \text{C}$ 9pdsdd $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad \text{C}$	7pdsdd	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d)$	\mathbf{C}
9pdsdd $\frac{4\ddot{Q}_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$ C	9dsdd	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} \gamma_{\mu \nu \rho \sigma} P_L s) (\bar{d} \gamma^{\mu \nu \rho \sigma} d)$	\mathbf{C}
	9pdsdd	$\frac{4\check{G}_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_{R}s)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}

WC name	Operator	Type
1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu e)$	C
1pdsee	$\frac{4G_F}{\sqrt{a}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu e)$	\mathbf{C}
3dsee	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{e}\gamma^{\mu u ho}e)$	\mathbf{C}
3pdsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}e)$	$^{\mathrm{C}}$
5pdsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}e)$	$^{\mathrm{C}}$
7dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdsee	$rac{4 ar{G}_F}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} s) (ar{e} \sigma_{\mu u} e)$	\mathbf{C}
9dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
1dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
1pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\mu)$	$^{\mathrm{C}}$
5pdsmumu	$rac{4G_F}{\sqrt{2}}(dP_Rs)(ar{\mu}\mu) \ rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{\mu}\mu) \ rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{\mu}\sigma) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$^{\mathrm{C}}$
7dsmumu	$\frac{1}{\sqrt{2}}(aP_Ro^{\mu\nu}s)(\mu o_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7pdsmumu	$rac{4\check{G}_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{\mu}\sigma_{\mu u}\mu)$	$^{\mathrm{C}}$
9dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
1dstautau	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\tau)$	$^{\mathrm{C}}$
1pdstautau	$\frac{4\tilde{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu\tau)$	\mathbf{C}
3dstautau	$rac{4 \stackrel{Y^{C}_{F}}{\sqrt{2}}}{\sqrt{2}} (ar{d} P_{L} \gamma_{\mu} s) (ar{ au} \gamma^{\mu} au) \ rac{4 \stackrel{G}{G_{F}}}{\sqrt{2}} (ar{d} P_{R} \gamma_{\mu u ho} s) (ar{ au} \gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
3pdstautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
5dstautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\tau}\tau)$	\mathbf{C}
5pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau} au)$	\mathbf{C}
7dstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7pdstautau	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u} au)$	\mathbf{C}
9dstautau	$\frac{4\dot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdstautau	$ \frac{\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)} \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau) $	$^{\mathrm{C}}$

sdmue

WC name	Operator	Type
1dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	С
1pdsemu	$\frac{{}^{4}\!G_{F}^{2}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu}s)(\bar{e}\gamma^{\mu}\mu)$	С

WC name	Operator	Type
3dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\overline{C}
3pdsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}\mu)$	\mathbf{C}
5pdsemu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)}{\sqrt{2}}$	\mathbf{C}
7dsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_L \sigma^{\mu \nu} s) (\overline{e} \sigma_{\mu \nu} \mu)$	$^{\mathrm{C}}$
9dsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdsemu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}$	$^{\mathrm{C}}$

sdtaue

WC name	Operator	Type
1dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\tau)$	С
1pdsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu\tau)$	\mathbf{C}
3dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}\tau)$	\mathbf{C}
5pdsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{e}\tau)$	\mathbf{C}
7dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7pdsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdsetau	$\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}

sdemu

WC name	Operator	Type
1dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	C
1pdsmue	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{\mu}\gamma^\mu e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{\mu}\gamma^\mu e)$	\mathbf{C}
3dsmue	$\frac{4G_F}{\bar{e}}(\bar{d}P_D\gamma_{s})(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdsmue	$rac{\sqrt{2}}{\sqrt{2}} (ar{d}P_L \gamma_{\mu u ho} s) (ar{\mu}\gamma^{\mu u ho} e) = rac{4G_F}{\sqrt{2}} (ar{d}P_L \gamma_{\mu u ho} s) (ar{\mu}\gamma^{\mu u ho} e)$	\mathbf{C}
5dsmue	$rac{4\ddot{G}_F}{\sqrt{2}}(ar{d}P_Rs)(ar{\mu}e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{\mu}e)$	$^{\mathrm{C}}$
5pdsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu}e)$	$^{\mathrm{C}}$
7dsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
9dsmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$

WC name	Operator	Type

${\tt sdtaumu}$

WC name	Operator	Type
1dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu\tau)$	С
1pdsmutau	$rac{4 \check{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{\mu} \gamma^\mu au)$	\mathbf{C}
3dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dsmutau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu} au)$	\mathbf{C}
5pdsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu} au)$	\mathbf{C}
7dsmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7pdsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdsmutau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)}$	C

sdetau

WC name	Operator	Type
1dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	$\overline{\mathbf{C}}$
1pdstaue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	\mathbf{C}
3dstaue	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dstaue	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_Rs)(ar{ au}e)$	\mathbf{C}
5pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau}e)$	\mathbf{C}
7dstaue	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R \sigma^{\mu \nu} s) (\overline{\tau} \sigma_{\mu \nu} e)$	\mathbf{C}
7pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
9dstaue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdstaue	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	C

${\tt sdmutau}$

WC name	Operator	Type
1dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)$	С
1pdstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ au}\gamma^\mu\mu)$	\mathbf{C}
3dstaumu	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu u ho}s)(\bar{ au}\gamma^{\mu u ho}\mu)$	$^{\mathrm{C}}$

WC name	Operator	Type
3pdstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\overline{C}
5dstaumu	$\frac{4\ddot{G}_{F}}{\sqrt{a}}(\bar{d}P_{R}s)(\bar{\tau}\mu)$	\mathbf{C}
5pdstaumu	$rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{ au}\mu) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u}\mu)$	\mathbf{C}
7dstaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{ au}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7pdstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}

${\tt sdnunu}$

WC name	Operator	Type
nu1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	\overline{C}
nu1pdsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_e\gamma^\mu u_e)$	\mathbf{C}
nu1dsmumu	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdsmumu	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1dstautau	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_ au)$	\mathbf{C}
nu1pdstautau	$rac{4 ar{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_ au \gamma^\mu u_ au)$	\mathbf{C}
nu1dsemu	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdsemu	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1dsmue	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_e)$	$^{\mathrm{C}}$
nu1pdsmue	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_e)$	$^{\mathrm{C}}$
nu1dsetau	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_e\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1pdsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1dstaue	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_e)$	$^{\mathrm{C}}$
nu1pdstaue	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_e)$	$^{\mathrm{C}}$
nu1dstaumu	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1pdstaumu	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1dsmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1pdsmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	$^{\mathrm{C}}$

cucu

WC name	Operator	Type
1cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_L u)(\bar{c}\gamma^\mu P_L u)$	C
5cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})$	\mathbf{C}
2cucu	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_{\mu}P_Lu)(\bar{c}\gamma^{\mu}P_Lu)}{\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})} $ $ \frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu) $	$^{\mathrm{C}}$

WC name	Operator	Type
1pcucu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_{\mu}P_Ru)(\bar{c}\gamma^{\mu}P_Ru)}{\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)}{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)}$	С
3cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})$	$^{\mathrm{C}}$
2pcucu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
4cucu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
3pcucu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Ru_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})$	$^{\mathrm{C}}$