Basis Bern (EFT WET)

Basis suggested by Aebischer, Fael, Grueb, and Virto (arXiv:1704.06639). Neutrinos are in the flavor basis.

Sectors

The effective Lagrangian is defined as

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

sbsb

WC name	Operator	Type
1sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu}P_Lb)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Rb_{\alpha})$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Lb)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Rb)(\bar{s}\gamma^{\mu}P_Rb)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Lb_{\alpha})$	\overline{C}
5sbsb	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Rb_{\alpha})$	\mathbf{C}
2sbsb	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Lb)$	\mathbf{C}
1psbsb	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu P_R b)$	\mathbf{C}
3sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Lb_{\alpha})$	$^{\mathrm{C}}$
2psbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}P_Rb)$	\mathbf{C}
4sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Rb)$	$^{\mathrm{C}}$
3psbsb	$\frac{\frac{4\tilde{G}_{F}^{F}}{\sqrt{2}}(\bar{s}P_{L}b)(\bar{s}P_{R}b)}{\frac{4G_{F}}{\sqrt{2}}(\bar{s}_{\alpha}P_{R}b_{\beta})(\bar{s}_{\beta}P_{R}b_{\alpha})}$	$^{\mathrm{C}}$

dbdb

WC name	Operator	Type
1dbdb	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_L b)(ar{d}\gamma^\mu P_L b) \ rac{4G_F}{\sqrt{2}}(ar{d}_lpha P_L b_eta_ar{d})(ar{d}_eta P_R b_lpha)$	\overline{C}
5dbdb	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}_lpha P_L b_eta)(ar{d}_eta P_R b_lpha)$	\mathbf{C}
2dbdb	$\frac{4\overset{\circ}{N_F}}{\sqrt{2}}(ar{d}P_Lb)(ar{d}P_Lb)$	\mathbf{C}
1pdbdb	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_R b)(\bar{d}\gamma^\mu P_R b)$	\mathbf{C}
3dbdb	$rac{4 ar{G}_F^C}{\sqrt{2}} (ar{d}_lpha P_L b_eta) (ar{d}_eta P_L b_lpha) \ rac{4 G_F}{\sqrt{2}} (ar{d} P_R b) (ar{d} P_R b)$	\mathbf{C}
2pdbdb	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Rb)(\bar{d}P_Rb)$	\mathbf{C}
4dbdb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}P_Rb)$	$^{\mathrm{C}}$
3pdbdb	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d}P_L b) (ar{d}P_R b) \ rac{4 G_F}{\sqrt{2}} (ar{d}_{lpha} P_R b_{eta}) (ar{d}_{eta} P_R b_{lpha})$	C

ubenu

WC name	Operator	Type
1ubee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_e)$	C
5ubee	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{u}P_Rb)(\bar{e}\nu_e)$	\mathbf{C}
1pubee	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_L \gamma^{\mu} b) (\bar{e} \gamma_{\mu} \nu_e)$	\mathbf{C}
5pubee	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_L b) (\bar{e} \nu_e)$	\mathbf{C}
7pubee	$\frac{4 \overset{\circ}{Q_F}}{\sqrt{2}} (\bar{u} P_L \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} \nu_e)$	\mathbf{C}
1ubemu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{u} P_R \gamma^\mu b) (\bar{e} \gamma_\mu \nu_\mu)$	\mathbf{C}
5ubemu	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{u}P_Rb)(\bar{e}\nu_\mu)$	\mathbf{C}
1pubemu	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_L \gamma^{\mu} b) (\bar{e} \gamma_{\mu} \nu_{\mu})$	\mathbf{C}
5pubemu	$\frac{4 \overset{\circ}{G_F}}{\sqrt{2}} (\bar{u} P_L b) (\bar{e} \nu_\mu)$	\mathbf{C}
7pubemu	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_L \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} \nu_{\mu})$	\mathbf{C}
1ubetau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_ au)$	\mathbf{C}
5ubetau	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{u} P_R b) (\bar{e} \nu_{\tau})$	\mathbf{C}
1pubetau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pubetau	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{u}P_Lb)(\bar{e} u_{ au})$	\mathbf{C}
7pubetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	С

${\tt ubmunu}$

WC name	Operator	Type
1ubmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5ubmue	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\mu}\nu_e)$	\mathbf{C}
1pubmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pubmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{\mu}\nu_e)$	\mathbf{C}
7pubmue	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1ubmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu u_\mu)$	\mathbf{C}
5ubmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pubmumu	$rac{4reve{G_F}}{\sqrt{2}}(ar{u}P_L\gamma^\mu b)(ar{\mu}\gamma_\mu u_\mu)$	\mathbf{C}
5pubmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pubmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ubmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu u_ au)$	\mathbf{C}
5ubmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pubmutau	$rac{4 \check{G}_F^c}{\sqrt{2}} (\bar{u} P_L \gamma^\mu b) (\bar{\mu} \gamma_\mu u_ au)$	\mathbf{C}
5pubmutau	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{u}P_Lb)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
7pubmutau	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	С

ubtaunu

WC name	Operator	Type
1ubtaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_e)$	\overline{C}
5ubtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\tau}\nu_e)$	\mathbf{C}
1pubtaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pubtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{\tau}\nu_e)$	\mathbf{C}
7pubtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1ubtaumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5ubtaumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pubtaumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pubtaumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_Lb)(\bar{ au} u_\mu)$	\mathbf{C}
7pubtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ubtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5ubtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pubtautau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pubtautau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_Lb)(\bar{\tau} u_{ au})$	\mathbf{C}
7pubtautau	$\frac{4\overleftarrow{\zeta_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	C

udenu

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

${\tt udtaunu}$

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

cdenu

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

${\tt cdmunu}$

WC name	Operator	Type
1cdmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_e)$	C
5cdmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu}\nu_e)$	\mathbf{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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcdmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cdmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cdmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcdmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pcdmumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pcdmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cdmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_ au)$	\mathbf{C}
5cdmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pcdmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\mu}\gamma_\mu\nu_ au)$	\mathbf{C}
5pcdmutau	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
7pcdmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcdtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cdtaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_\mu)$	\mathbf{C}
7pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cdtautau	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5cdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5pcdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{ au} u_ au)$	\mathbf{C}
7pcdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	C

${\tt cbenu}$

WC name	Operator	Type
1cbee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_e)$	C
5cbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_e)$	\mathbf{C}
1pcbee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pcbee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_e)$	\mathbf{C}
7pcbee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5cbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e} u_\mu)$	\mathbf{C}
1pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
7pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu \nu_ au)$	$^{\mathrm{C}}$
5cbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_{\tau})$	$^{\mathrm{C}}$
1pcbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5pcbetau	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e} u_{ au})$	\mathbf{C}
7pcbetau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{ au})$	$^{\mathrm{C}}$

cbmunu

WC name	Operator	Type
1cbmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	\overline{C}
5cbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcbmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pcbmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_e)$	\mathbf{C}
7pcbmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5cbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcbmumu	$rac{4reve{G_F}}{\sqrt{2}}(ar{c}P_L\gamma^\mu b)(ar{\mu}\gamma_\mu u_\mu)$	\mathbf{C}
5pcbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pcbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5cbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pcbmutau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu u_ au)$	\mathbf{C}
5pcbmutau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_{ au})$	\mathbf{C}
7pcbmutau	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})$	С

${\tt cbtaunu}$

WC name	Operator	Type
1cbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_e)$	\overline{C}
5cbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pcbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5cbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pcbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
7pcbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5cbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\tau} u_{ au})$	$^{\mathrm{C}}$
1pcbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5pcbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{ au} u_ au)$	$^{\mathrm{C}}$
7pcbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

sbuc

WC name	Operator	Type
1sbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{u}\gamma^\mu c)$	С
2sbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	\mathbf{C}
3sbuc	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4sbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5sbuc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{u}c)$	$^{\mathrm{C}}$
6sbuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7sbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8sbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9sbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10sbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1psbuc	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{u}\gamma^\mu c)$	$^{\mathrm{C}}$
2psbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3psbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
4psbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5psbuc	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{u}c)$	$^{\mathrm{C}}$
6psbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7psbuc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8psbuc	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9psbuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10psbuc	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}

sbcu

WC name	Operator	Type
1sbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu u)$	
2sbcu	$\frac{4G_F}{\sqrt{c}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A u)$	\mathbf{C}
3sbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4sbcu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5sbcu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{s}P_Rb)(\bar{c}u)$	\mathbf{C}
6sbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{c}T^Au)$	\mathbf{C}
7sbcu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8sbcu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9sbcu	$\frac{\frac{\sqrt{2}}{4G_F}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)}$	\mathbf{C}
10sbcu	$\frac{4\overset{QG}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1psbcu	$\frac{4\overset{AG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)$	\mathbf{C}
2psbcu	$\frac{\frac{4\breve{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A u)}$	\mathbf{C}

WC name	Operator	Type
3psbcu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{c}u)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{c}T^Au)}$	C
4psbcu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5psbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{c}u)$	$^{\mathrm{C}}$
6psbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{c}T^Au)$	$^{\mathrm{C}}$
7psbcu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
8psbcu	$\frac{4\tilde{G}_{F}}{\bar{G}}(\bar{s}P_{L}\sigma^{\mu\nu}T^{A}b)(\bar{c}\sigma_{\mu\nu}T^{A}u)$	$^{\mathrm{C}}$
9psbcu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	$^{\mathrm{C}}$
10psbcu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)}$	$^{\mathrm{C}}$

dbuc

WC name	Operator	Type
1dbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{u}\gamma^\mu c)$	C
2dbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3dbuc	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} b) (\bar{u} \gamma^{\mu\nu\rho} c)$	$^{\mathrm{C}}$
4dbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5dbuc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{u}c)$	$^{\mathrm{C}}$
6dbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7dbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8dbuc	$\frac{4 \breve{Q}_F}{\sqrt{2}} (\bar{d} P_R \sigma^{\mu\nu} T^A b) (\bar{u} \sigma_{\mu\nu} T^A c)$	$^{\mathrm{C}}$
9dbuc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10dbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1pdbuc	$\frac{4 \check{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_\mu b) (\bar{u} \gamma^\mu c)$	$^{\mathrm{C}}$
2pdbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3pdbuc	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} b) (\bar{u} \gamma^{\mu\nu\rho} c)$	$^{\mathrm{C}}$
4pdbuc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5pdbuc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{u}c)$	$^{\mathrm{C}}$
6pdbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7pdbuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8pdbuc	$\frac{4 \overset{VG_F}{\sqrt{2}}}{\sqrt{2}} (\bar{d}P_L \sigma^{\mu\nu} T^A b) (\bar{u}\sigma_{\mu\nu} T^A c)$	$^{\mathrm{C}}$
9pdbuc	$\frac{4 \stackrel{QG_F}{\sqrt{2}}}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{u} \gamma^{\mu\nu\rho\sigma} c)$	\mathbf{C}
10pdbuc	$\frac{4\overset{G_F}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}

dbcu

WC name	Operator	Type
1dbcu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2dbcu	$\frac{4\overset{A}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A u)$	\mathbf{C}
3dbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{c}u)$	\mathbf{C}
6dbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{c}T^Au)$	\mathbf{C}
7dbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8dbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)$	\mathbf{C}
2pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Au)$	\mathbf{C}
3pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{c}u)$	\mathbf{C}
6pdbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{c}T^Au)$	\mathbf{C}
7pdbcu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9pdbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdbcu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}

sbsd

WC name	Operator	Type
1sbsd	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu d)$	\overline{C}
1psbsd	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu}d)}{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Rb)(\bar{s}\gamma^{\mu}d)}$	\mathbf{C}
3sbsd	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
3psbsd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
5sbsd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}d)$	\mathbf{C}
5psbsd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}d)$	\mathbf{C}
7sbsd	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}d)$	\mathbf{C}
7psbsd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}d)$	\mathbf{C}
9sbsd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
9psbsd	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}d)}{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}d)}$	C

dbds

WC name	Operator	Type
1dbds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_L b)(\bar{d}\gamma^\mu s)$	C
1pdbds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Rb)(\bar{d}\gamma^{\mu}s)$	\mathbf{C}
3dbds	$\frac{\frac{4\ddot{G}_{F}^{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_{L}b)(\bar{d}\gamma^{\mu\nu\rho}s)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_{R}b)(\bar{d}\gamma^{\mu\nu\rho}s)}$	\mathbf{C}
3pdbds	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{d}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
5dbds	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}s)$	\mathbf{C}
5pdbds	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{d}s)$	\mathbf{C}
7dbds	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}s)$	\mathbf{C}
7pdbds	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}\sigma^{\mu u}P_Rb)(ar{d}\sigma_{\mu u}s)$	\mathbf{C}
9dbds	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
9pdbds	$\frac{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_{L}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_{R}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)}$	$^{\mathrm{C}}$

sb

WC name	Operator	Type
7gammasb	$\frac{4G_F}{\sqrt{2}}\frac{e}{a^2}m_b(\bar{s}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8gsb	$rac{4\overset{\sim}{G_F}}{\sqrt{2}}rac{\overset{\circ}{q_s}}{\overset{\circ}{q_s}}m_b(\bar{s}P_R\sigma_{\mu u}T^Ab)G_A^{\mu u}$	\mathbf{C}
7pgammasb	$rac{4 { m G}_F^2}{\sqrt{2}} rac{{ m g}^3}{{ m g}^2} m_b (ar s P_L \sigma_{\mu u} b) F^{\mu u}$	\mathbf{C}
8pgsb	$rac{4 \overset{\circ}{N_F}}{\sqrt{2}} rac{\overset{\circ}{J_s}}{q_s} m_b (\bar{s} P_L \sigma_{\mu u} T^A b) G_A^{\mu u}$	\mathbf{C}
1sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R \gamma_\mu b) (\bar{u} \gamma^\mu u)$	\mathbf{C}
2sbuu	$\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	\mathbf{C}
3sbuu	$\frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (\bar{u} \gamma^{\mu\nu\rho} u)$	\mathbf{C}
4sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} T^A b) (\bar{u} \gamma^{\mu\nu\rho} T^A u)$	\mathbf{C}
5sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R b) (\bar{u} u)$	\mathbf{C}
6sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R T^A b) (\bar{u} T^A u)$	\mathbf{C}
7sbuu	$\frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{u} \sigma_{\mu\nu} u)$	\mathbf{C}
8sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} T^A b) (\bar{u} \sigma_{\mu\nu} T^A u)$	\mathbf{C}
9sbuu	$\frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{u} \gamma^{\mu\nu\rho\sigma} u)$	\mathbf{C}
10sbuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} T^A b) (\bar{u} \gamma^{\mu\nu\rho\sigma} T^A u)$	\mathbf{C}
1psbuu	$\frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_\mu b) (\bar{u} \gamma^\mu u)$	$^{\mathrm{C}}$
2psbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	$^{\mathrm{C}}$
3psbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4psbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5psbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{u}u)$	\mathbf{C}
6psbuu	$\frac{4\overset{AG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7psbuu	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8psbuu	$\frac{4\overset{Q}{Q}_{F}}{\sqrt{2}}(\bar{s}P_{L}\sigma^{\mu\nu}T^{A}b)(\bar{u}\sigma_{\mu\nu}T^{A}u)$	\mathbf{C}

WC name	Operator	Type
9psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	C
10psbuu	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{d}\gamma^\mu d) \end{array}$	\mathbf{C}
1sbdd	$rac{4Q_F^2}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{d}\gamma^\mu d)$	\mathbf{C}
2sbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad)$	\mathbf{C}
3sbdd	$\frac{4\bar{G}_F}{\bar{G}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
4sbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad)$	\mathbf{C}
5sbdd	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{d}d)$	\mathbf{C}
6sbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{d}T^Ad)$	\mathbf{C}
7sbdd	$rac{4Q_F^2}{\sqrt{2}}(ar{s}P_R\sigma^{\mu u}b)(ar{d}\sigma_{\mu u}d)$	\mathbf{C}
8sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad)$	\mathbf{C}
9sbdd	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad) \end{array}$	\mathbf{C}
10sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	\mathbf{C}
1psbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(d\gamma^\mu d)$	\mathbf{C}
2psbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad)$	\mathbf{C}
3psbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
4psbdd	$\frac{4\overset{Q^{2}}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu\nu\rho}T^{A}b)(\bar{d}\gamma^{\mu\nu\rho}T^{A}d)$	\mathbf{C}
5psbdd	$rac{4rack{G_F}}{\sqrt{2}}(ar{s}P_Lb)(ar{d}d)$	$^{\mathrm{C}}$
6psbdd	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{d}T^Ad)$	$^{\mathrm{C}}$
7psbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d)$	$^{\mathrm{C}}$
8psbdd	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)}$	\mathbf{C}
9psbdd	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$^{\mathrm{C}}$
10psbdd	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	$^{\mathrm{C}}$
1sbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu c)$	$^{\mathrm{C}}$
2sbcc	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	$^{\mathrm{C}}$
3sbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
4sbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5sbcc	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{c}c)$	\mathbf{C}
6sbcc	$rac{4G_F}{\sqrt{2}}(ar{s}P_Rb)(ar{c}c) \ rac{4G_F}{\sqrt{2}}(ar{s}P_RT^Ab)(ar{c}T^Ac)$	\mathbf{C}
7sbcc	$\frac{4GF}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8sbcc	$\frac{4\breve{C}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9sbcc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10sbcc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1psbcc	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{c}\gamma^\mu c)$	\mathbf{C}
2psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3psbcc	$rac{4reve{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_{\mu u ho}b)(ar{c}\gamma^{\mu u ho}c)$	\mathbf{C}
4psbcc	$\begin{array}{c} \sqrt{2} & (\overline{s}P_R \gamma_{\mu\nu\rho\sigma} b)(\overline{c}\gamma^{\mu\nu\rho\sigma} c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_R \gamma_{\mu\nu\rho\sigma} T^A b)(\overline{c}\gamma^{\mu\nu\rho\sigma} T^A c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_L \gamma_\mu b)(\overline{c}\gamma^\mu c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_L \gamma_\mu T^A b)(\overline{c}\gamma^\mu T^A c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_L \gamma_\mu T^A b)(\overline{c}\gamma^\mu T^A c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_L \gamma_{\mu\nu\rho} b)(\overline{c}\gamma^{\mu\nu\rho} c) \\ \frac{4G_F}{\sqrt{2}} (\overline{s}P_L \gamma_{\mu\nu\rho} T^A b)(\overline{c}\gamma^{\mu\nu\rho} T^A c) \\ 4G_F (\overline{s}P_L b)(\overline{s}\alpha) \end{array}$	\mathbf{C}
5psbcc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{c}c)$	$^{\mathrm{C}}$

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{llll} \text{Tpsbcc} & \frac{4\vec{G}_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \sigma^{\mu\nu} b \right) (\vec{c} \sigma_{\mu\nu} c) & C \\ \text{Spsbcc} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \sigma^{\mu\nu} T^{A} b \right) (\vec{c} \sigma_{\mu\nu} T^{A} c) & C \\ \text{Spsbcc} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho\sigma} b \right) (\vec{c} \gamma^{\mu\nu\rho\sigma} c) & C \\ \text{T0psbcc} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho\sigma} b \right) (\vec{c} \gamma^{\mu\nu\rho\sigma} c) & C \\ \text{Sbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu} b \right) (\vec{b} \gamma^{\mu\nu} b) & C \\ \text{Ssbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu\nu} b \right) (\vec{b} \gamma^{\mu\nu\rho} b) & C \\ \text{Ssbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho} b) & C \\ \text{Sbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho} b) & C \\ \text{Sbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu\nu\rho} b \right) (\vec{b} \sigma_{\mu\nu} b) & C \\ \text{Spbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{R} \gamma_{\mu\nu\rho\sigma} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbb} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu} \rho_{\mu} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbs} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu} \rho_{\mu} b \right) (\vec{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbbs} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu} \rho_{\mu} b \right) (\vec{s} \gamma^{\mu\nu\rho\sigma} b) & C \\ \text{Spsbss} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu\nu\rho} \rho_{\mu} b \right) (\vec{s} \gamma^{\mu\nu\rho\sigma} s) & C \\ \text{Spsbss} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu\nu\rho} \rho_{\mu} P_{h} b \right) (\vec{s} \gamma^{\mu\nu\rho\sigma} s) & C \\ \text{Spsbss} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} \gamma_{\mu\nu\rho\sigma} P_{R} b \right) (\vec{s} \gamma^{\mu\nu\rho\sigma} s) & C \\ \text{Spsbee} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{e} \gamma^{\mu\nu\rho} e) & C \\ \text{Spsbee} & \frac{4G_{p}}{\sqrt{2}} \left(\vec{s} P_{L} \gamma_{\mu\nu\rho} b \right) (\vec{e} \gamma^{\mu\nu\rho} e$	6psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{c}T^Ac)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
$\begin{array}{c} 1 \text{sbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \gamma_\mu b) (\bar{b} \gamma^\mu b) & C \\ 3 \text{sbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \gamma_\mu \nu_\rho b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 5 \text{sbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \gamma_{\mu\nu\rho} b) (\bar{b} b) & C \\ 7 \text{sbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \sigma^{\mu\nu} b) (\bar{b} \sigma_{\mu\nu} b) & C \\ 9 \text{sbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{b} \gamma^{\mu\nu\rho\sigma} b) & C \\ 1 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \gamma_\mu b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 3 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \gamma_\mu b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \rho_\mu b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \rho_\mu b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \rho_\mu b) (\bar{b} \sigma_{\mu\nu} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \rho_\mu b) (\bar{b} \sigma_{\mu\nu} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_L \rho_\mu \nu_\rho b) (\bar{b} \gamma^{\mu\nu\rho} b) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \gamma_\mu P_L b) (\bar{s} \gamma^\mu s) & C \\ 5 \text{psbbb} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \gamma_\mu P_L \rho) (\bar{s} \gamma^\mu s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \gamma_\mu P_R b) (\bar{s} \gamma^{\mu\nu\rho} s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \gamma_{\mu\nu\rho} P_R b) (\bar{s} \gamma^{\mu\nu\rho} s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R b) (\bar{s} s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R b) (\bar{s} \sigma_{\mu\nu} s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \rho_\mu \nu_\rho P_L b) (\bar{s} \sigma_\mu \nu s) & C \\ 5 \text{psbss} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} \rho_\mu \nu_\rho \rho_R b) (\bar{s} \sigma_\mu \nu s) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & C \\ 5 \text{psbee} & \frac{4 \tilde{G}_F}{\sqrt{2}} (\tilde{s} P_R \rho_\mu b) (\bar{e} \gamma^{\mu\nu\rho} e) & $	10psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1sbbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_R \gamma_\mu b) (\bar{b} \gamma^\mu b)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3sbbb	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_R\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
7sbbb $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \qquad \qquad$	5sbbb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{b}b)$	\mathbf{C}
9sbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{b}\gamma^{\mu}b) \qquad \qquad C$ 3psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b) \qquad \qquad C$ 5psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{b}b) \qquad \qquad C$ 5psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{b}b) \qquad \qquad C$ 7psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \qquad \qquad C$ 9psbbb $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma^{\mu\nu}\rho\sigma b) \qquad \qquad C$ 1sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho}\sigma b) \qquad \qquad C$ 1sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\rho)(\bar{s}\gamma^{\mu\nu}s) \qquad \qquad C$ 1psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu\nu}\rho s) \qquad \qquad C$ 3sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 3psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s) \qquad \qquad C$ 5psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}s) \qquad \qquad C$ 5psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}\sigma^{\mu\nu}s) \qquad \qquad C$ 7psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma^{\mu\nu\rho}P_Lb)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad C$ 7psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma^{\mu\nu\rho}P_Lb)(\bar{s}\sigma^{\mu\nu}s) \qquad \qquad C$ 9psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma^{\mu\nu\rho\sigma}P_Lb)(\bar{s}\sigma^{\mu\nu}s) \qquad \qquad C$ 1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 2psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu}b)(\bar{e}\gamma^{\mu\nu}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$	7sbbb		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9sbbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1psbbb	$rac{4rac{Q_F}{\sqrt{2}}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{b}\gamma^\mu b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3psbbb	$rac{4raket{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5psbbb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{b}b)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7psbbb	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9psbbb	$\frac{4G_F^{\sigma}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1sbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1psbss	$\frac{4\widetilde{Q}_F^2}{\sqrt{2}}(ar{s}\gamma_\mu P_R b)(ar{s}\gamma^\mu s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3sbss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3psbss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5sbss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}s)$	\mathbf{C}
7sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad C$ 7psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad C$ 9sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 9psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	5psbss	$\frac{4\tilde{G_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}s)$	\mathbf{C}
7psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad C$ 9sbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 9psbss $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	7sbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}s)$	\mathbf{C}
1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	7psbss	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(ar{s}\sigma^{\mu u}P_Rb)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	9sbss	$\frac{4G_F^{\sigma}}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	9psbss	$\frac{4Q_F^{\sigma}}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$	1sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$ C 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_rb)(\bar{e}e)$ C	1psbee	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$ C 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_rb)(\bar{e}e)$ C	3sbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$ C 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_rb)(\bar{e}e)$ C	3psbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5psbee $\frac{4GF}{s}(sP_T b)(ee)$	5sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5psbee	$\frac{4GF}{2}(sP_Th)(ee)$	\mathbf{C}
$\begin{array}{lll} \text{7psbee} & \frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{s} P_L \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} e) & \text{C} \\ \text{9sbee} & \frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) & \text{C} \\ \text{9psbee} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) & \text{C} \\ \text{1sbmumu} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu} b) (\bar{\mu} \gamma^{\mu} \mu) & \text{C} \\ \text{1psbmumu} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu} b) (\bar{\mu} \gamma^{\mu} \mu) & \text{C} \\ \end{array}$	7sbee	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
9sbee $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 9psbee $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 1sbmumu $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{\mu}\gamma^{\mu}\mu) \qquad \qquad C$ 1psbmumu $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{\mu}\gamma^{\mu}\mu) \qquad \qquad C$	7psbee	$\frac{4\check{G}_F^r}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
9psbee $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 1sbmumu $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{\mu}\gamma^{\mu}\mu) \qquad \qquad C$ 1psbmumu $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{\mu}\gamma^{\mu}\mu) \qquad \qquad C$	9sbee	$\frac{4\check{G}_F^r}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
1sbmumu $\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu) \qquad \qquad C$ 1psbmumu $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu) \qquad \qquad C$	9psbee	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e)$	\mathbf{C}
1psbmumu $\frac{4\ddot{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$ C	1sbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	\mathbf{C}
	1psbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	\mathbf{C}

WC name	Operator	Type
3sbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
3psbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5sbmumu	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}\mu)$	\mathbf{C}
5psbmumu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}\mu)$	\mathbf{C}
7sbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7psbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9sbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9psbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
1sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	\mathbf{C}
1psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	\mathbf{C}
3sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\tau)$	\mathbf{C}
5psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}\tau)$	\mathbf{C}
7sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9psbtautau	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C

db

WC name	Operator	Type
7gammadb	$\frac{4G_F}{\sqrt{2}}\frac{e}{a^2}m_b(\bar{d}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	
8gdb	$\begin{array}{c} \frac{4G_F}{\sqrt{2}} \frac{e}{g_s^2} m_b (\bar{d}P_R \sigma_{\mu\nu} b) F^{\mu\nu} \\ \frac{4G_F}{\sqrt{2}} \frac{1}{g_s} m_b (\bar{d}P_R \sigma_{\mu\nu} T^A b) G_A^{\mu\nu} \\ \frac{4G_F}{\sqrt{2}} \frac{e}{g_s^2} m_b (\bar{d}P_L \sigma_{\mu\nu} b) F^{\mu\nu} \end{array}$	\mathbf{C}
7pgammadb	$\frac{4\tilde{G}_F^F}{\sqrt{2}}\frac{e}{q^2}m_b(\bar{d}P_L\sigma_{\mu\nu}b)F^{\mu\nu}$	\mathbf{C}
8pgdb	$\frac{4\tilde{G}_{F}}{\sqrt{2}}\frac{1}{q_{s}}m_{b}(\bar{d}P_{L}\sigma_{\mu\nu}T^{A}b)G_{A}^{\mu\nu}$	\mathbf{C}
1dbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	$^{\mathrm{C}}$
2dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	$^{\mathrm{C}}$
3dbuu	$\frac{\sqrt{2}}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} b) (\bar{u}\gamma^{\mu\nu\rho} u) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} b) (\bar{u}\gamma^{\mu\nu\rho} T^A u) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} T^A b) (\bar{u}\gamma^{\mu\nu\rho} T^A u)$	\mathbf{C}
4dbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5dbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{u}u)$	\mathbf{C}
6dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{u}T^Au)$	$^{\mathrm{C}}$
7dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
8dbuu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	$^{\mathrm{C}}$
9dbuu	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dbuu	$\frac{\sqrt{2}}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{u}\gamma^{\mu\nu\rho\sigma} u) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} T^A b) (\bar{u}\gamma^{\mu\nu\rho\sigma} T^A u)$	\mathbf{C}

WC name	Operator	Type
1pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{u}\gamma^\mu u)$	C
2pdbuu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3pdbuu	$\frac{\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^Ab)(\bar{u}\gamma^{\mu}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)}$	\mathbf{C}
4pdbuu	$\frac{4\tilde{\zeta}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{u}u)$	\mathbf{C}
6pdbuu	$rac{4\ddot{G}_F}{\sqrt{2}}(ar{d}P_LT^Ab)(ar{u}T^Au)$	\mathbf{C}
7pdbuu	$\frac{4G_F}{\sqrt{2}}(dP_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdbuu	$\frac{\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)}{\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)}$	\mathbf{C}
9pdbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdbuu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dbss	$\frac{4G_F}{\sqrt{s}}(\bar{d}P_B\gamma_\mu b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
2dbss	$rac{4 \stackrel{V}{G_F}}{\sqrt{2}} (ar{d} P_R \gamma_\mu T^A b) (ar{s} \gamma^\mu T^A s)$	\mathbf{C}
3dbss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^Ab)(\bar{s}\gamma^{\mu}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{s}\gamma^{\mu\nu\rho}s)}$	\mathbf{C}
4dbss	$rac{4\overset{G_F}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}T^Ab)(ar{s}\gamma^{\mu u ho}T^As)$	\mathbf{C}
5dbss	$rac{4Q_F^2}{\sqrt{2}}(ar{d}P_Rb)(ar{s}s)$	\mathbf{C}
6dbss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{s}T^As)$	\mathbf{C}
7dbss	$\frac{4\ddot{G}_{F}}{2}(\bar{d}P_{P}\sigma^{\mu\nu}h)(\bar{s}\sigmas)$	\mathbf{C}
8dbss	$\frac{\sqrt{2}}{\sqrt{2}} (\bar{d}P_R \sigma^{\mu\nu} T^A b) (\bar{s}\sigma_{\mu\nu} T^A s)$ $\frac{\sqrt{4G_F}}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{s}\gamma^{\mu\nu\rho\sigma} s)$	$^{\mathrm{C}}$
9dbss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
10dbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)$	$^{\mathrm{C}}$
1pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{s}\gamma^\mu s)$	$^{\mathrm{C}}$
2pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{s}\gamma^\mu T^A s)$	$^{\mathrm{C}}$
3pdbss	$rac{4G_F^2}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{s}\gamma^{\mu u ho}s)$	$^{\mathrm{C}}$
4pdbss	$\frac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}T^Ab)(ar{s}\gamma^{\mu u ho}T^As)$	$^{\mathrm{C}}$
5pdbss	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{s}s)$	$^{\mathrm{C}}$
6pdbss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{s}T^As)$	$^{\mathrm{C}}$
7pdbss	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{s}\sigma_{\mu\nu}s)$	$^{\mathrm{C}}$
8pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)$	$^{\mathrm{C}}$
9pdbss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$	$^{\mathrm{C}}$
10pdbss	10 (= A-> ($^{\mathrm{C}}$
1dbcc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{c}\gamma^\mu c)$	$^{\mathrm{C}}$
2dbcc	$\frac{4Q_F^2}{\sqrt{c}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3dbcc	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dbcc	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dbcc	$rac{4Q_F^2}{\sqrt{2}}(ar{d}P_Rb)(ar{c}c)$	$^{\mathrm{C}}$
6dbcc	$ \frac{{}^{4G_{F}}}{\sqrt{2}}(dP_{L}\gamma_{\mu\nu\rho\sigma}T^{A}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^{A}s) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}b)(\bar{c}\gamma^{\mu}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}T^{A}b)(\bar{c}\gamma^{\mu}T^{A}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho}T^{A}b)(\bar{c}\gamma^{\mu\nu\rho}T^{A}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}b)(\bar{c}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}T^{A}b)(\bar{c}T^{A}c) \\ \frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{R}T^{A}b)(\bar{c}T^{A}c) $	\mathbf{C}
7dbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$

8dbcc $\frac{4G_F}{4G_F}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac) \qquad \qquad C$ 9dbcc $\frac{4G_F}{4G_F}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c) \qquad \qquad C$ 10dbcc $\frac{4G_F}{4G_F}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) \qquad \qquad C$ 1pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}b)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}b)(\bar{c}\gamma^{\mu\nu}c) \qquad \qquad C$ 2pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}b)(\bar{c}\gamma^{\mu\nu}c) \qquad \qquad C$ 3pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^TAb)(\bar{c}\gamma^{\mu\nu}c) \qquad \qquad C$ 2pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^TAb)(\bar{c}\gamma^{\mu\nu}\rho^TAc) \qquad \qquad C$ 5pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^TAb)(\bar{c}\gamma^{\mu\nu}\rho^TAc) \qquad \qquad C$ 6pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^TAb)(\bar{c}\gamma^{\mu\nu}\rho^TAc) \qquad \qquad C$ 7pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma^{\mu\nu}\rho^TAb)(\bar{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 8pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma^{\mu\nu}\rho\sigma^b)(\bar{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 8pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma^{\mu\nu}\rho\sigma^b)(\bar{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 9pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho\sigma^b)(\bar{c}\sigma_{\mu\nu}c) \qquad \qquad C$ 10pdbcc $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho\sigma^b)(\bar{b}\gamma^{\mu\nu}\rho\sigma^b) \qquad \qquad C$ 2dbbb $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho\sigma^b)(\bar{b}\gamma^{\mu\nu}\rho^b) \qquad \qquad C$ 2dbbb $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho\sigma^b)(\bar{b}\gamma^{\mu\nu}\rho^b) \qquad \qquad C$ 2dbbb $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^b)(\bar{b}\gamma^{\mu\nu}\rho^b) \qquad \qquad C$ 3pdbbb $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^b)(\bar{b}\gamma^{\mu\nu}\rho^b) \qquad \qquad C$ 3pdbbd $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^b)(\bar{b}\gamma^{\mu\nu}\rho^b) \qquad \qquad C$ 3pdbdd $\frac{4G_F}{4G_F}(\bar{d}P_L\gamma_{\mu\nu}\rho^b)(\bar{d}\gamma^{\mu\nu}\rho^d) \qquad \qquad C$ 3pdbdd $\frac{4G_F}{4G_F}(\bar{d}P_L\rho^b)(\bar{d}\gamma^{\mu\nu}\rho^d) \qquad \qquad C$ 4pdbdd $\frac{4G_F}{4G_F}(\bar{d}P_L\rho^b)(\bar{d}\gamma^{\mu\nu}\rho^d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{4G_F}(\bar{d}P_L\rho^b)(\bar{d}\gamma^{\mu\nu}\rho^d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{4G_F}(\bar{d}P_L\rho^$	WC name	Operator	Type
9dbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}C) \qquad C$ 10dbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) \qquad C$ 1pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu}b)(\bar{c}\gamma^{\mu}C) \qquad C$ 2pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu}P^Ab)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 2pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 3pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 4pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 5pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta_{\mu\nu\rho}D^+)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 6pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta_{\mu\nu\rho}D^+)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 8pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 8pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 8pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 10pdbcc $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 1dbbb $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad C$ 1dbbb $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}b) \qquad C$ 2dbbb $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu}b) \qquad C$ 2pdbbb $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu}b) \qquad C$ 2pdbbd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{d}\gamma^{\mu\nu}a) \qquad C$ 2pdbdd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma^{\mu\nu}b)(\bar{d}\gamma^{\mu\nu}a) \qquad C$ 2pdbdd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{d}\gamma^{\mu\nu}a) \qquad C$ 2pdbdd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{d}\gamma^{\mu\nu}a) \qquad C$ 2pdbdd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{d}P_L\beta^{\mu\nu}a) \qquad C$ 2pdbdd $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L\beta^{\mu\nu}b)(\bar{d}P_L\beta^{\mu\nu}a) \qquad$	8dbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10dbcc	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2pdbcc	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4pdbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5pdbcc	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{c}c)$	\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	6pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{c}T^Ac)$	\mathbf{C}
9pdbcc $\frac{^4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c) \qquad \qquad$	7pdbcc		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9pdbcc	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10pdbcc	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1dbbb	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{b}\gamma^\mu b)$	\mathbf{C}
7dbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \qquad \qquad$	3dbbb		\mathbf{C}
9dbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}b)(\bar{b}\gamma^{\mu}b) \qquad \qquad C$ 3pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b) \qquad \qquad C$ 5pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}b) \qquad \qquad C$ 7pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}\rho^{\mu\nu}b) \qquad \qquad C$ 9pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \qquad \qquad C$ 1dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Lb)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 3dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 0	5dbbb	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_Rb)(\bar{b}b)$	\mathbf{C}
9dbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}b)(\bar{b}\gamma^{\mu}b) \qquad \qquad C$ 3pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b) \qquad \qquad C$ 5pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}b) \qquad \qquad C$ 7pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}\rho^{\mu\nu}b) \qquad \qquad C$ 9pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \qquad \qquad C$ 1dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Lb)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 3dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 0	7dbbb	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1pdbbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{b}\gamma^\mu b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
9pdbbb $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b) \qquad \qquad C$ 1dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Lb)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 1pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Rb)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 3dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 7dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$	5pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7pdbbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}b)(ar{b}\sigma_{\mu u}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1dbdd	$\frac{4G_F}{\sqrt{2}}(d\gamma_\mu P_L b)(d\gamma^\mu d)$	\mathbf{C}
3pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d) \qquad \qquad C$ 5pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{d}d) \qquad \qquad C$ 7dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$	1pdbdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_R b)(\bar{d}\gamma^\mu d)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3dbdd		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3pdbdd	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
7dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$	5dbdd	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d)$	\mathbf{C}
7dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$	5pdbdd	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_Rb)(\bar{d}d)$	\mathbf{C}
7pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$	7dbdd	$\frac{4G_F}{\bar{\sigma}}(\bar{d}\sigma^{\mu\nu}P_Tb)(\bar{d}\sigmad)$	\mathbf{C}
9dbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 9pdbdd $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 1pdbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3dbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3pdbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$	7pdbdd	$rac{4 \overline{G_F}}{\sqrt{2}} (ar{d} \sigma^{\mu u} P_R b) (ar{d} \sigma_{\mu u} d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9dbdd	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
$\begin{array}{cccc} \text{1dbee} & \frac{4 \overline{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_\mu b) (\bar{e} \gamma^\mu e) & \text{C} \\ \text{1pdbee} & \frac{4 G_F}{\sqrt{2}} (\bar{d} P_L \gamma_\mu b) (\bar{e} \gamma^\mu e) & \text{C} \\ \text{3dbee} & \frac{4 G_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} b) (\bar{e} \gamma^{\mu\nu\rho} e) & \text{C} \\ \text{3pdbee} & \frac{4 G_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} b) (\bar{e} \gamma^{\mu\nu\rho} e) & \text{C} \\ \end{array}$	9pdbdd	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$^{\mathrm{C}}$
1pdbee $\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e) \qquad \qquad C$ 3dbee $\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3pdbee $\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$	1dbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
3dbee $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3pdbee $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$	1pdbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
3pdbee $\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_L \gamma_{\mu\nu\rho} b) (\overline{e} \gamma^{\mu\nu\rho} e)$ C	3dbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
	3pdbee	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{e}\gamma^{\mu u ho}e)$	\mathbf{C}

WC name	Operator	Type
5dbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{e}e)$	C
5pdbee	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_Lb)(\bar{e}e)$	\mathbf{C}
7dbee	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdbee	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)} \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) $	\mathbf{C}
9dbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
9pdbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
1dbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
1pdbmumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\mu}\mu)$	$^{\mathrm{C}}$
5pdbmumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\mu}\mu)$	$^{\mathrm{C}}$
7dbmumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7pdbmumu	$\frac{\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)}{\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)}$	$^{\mathrm{C}}$
9dbmumu	$\frac{4\bar{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
1dbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu au)$	$^{\mathrm{C}}$
1pdbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	$^{\mathrm{C}}$
3dbtautau	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}b)(ar{ au}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
3pdbtautau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{ au}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
5dbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\tau}\tau)$	$^{\mathrm{C}}$
5pdbtautau	$rac{4\widetilde{G_F}}{\sqrt{2}}(ar{d}P_Lb)(ar{ au} au)$	$^{\mathrm{C}}$
7dbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7pdbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
9dbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdbtautau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)}$	$^{\mathrm{C}}$

sbemu

Operator	Type
$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	\mathbf{C}
$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\mu)$	$^{\mathrm{C}}$
$rac{4\widetilde{G}_F}{\sqrt{2}}(ar{s}P_Lb)(ar{e}\mu)$	$^{\mathrm{C}}$
	Operator $ \frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{e}\gamma^{\mu}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}\mu)} $ $ \frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)} $ $ \frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\mu)} $

WC name	Operator	Type
7sbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	C
7psbemu	$rac{4G_F}{\sqrt{2}}(ar{s}P_R\sigma^{\mu u}b)(ar{e}\sigma_{\mu u}\mu) \ rac{4G_F}{\sqrt{2}}(ar{s}P_L\sigma^{\mu u}b)(ar{e}\sigma_{\mu u}\mu)$	\mathbf{C}
9sbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9psbemu	$\frac{\frac{4G_F}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

sbetau

WC name	Operator	Type
1sbetau	$rac{4G_F}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{e}\gamma^\mu au)$	C
1psbetau	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu au)$	\mathbf{C}
3sbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3psbetau	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho} b) (\bar{e} \gamma^{\mu\nu\rho} au)$	\mathbf{C}
5sbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e} au)$	\mathbf{C}
5psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e} au)$	\mathbf{C}
7sbetau	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{s}P_{R}\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7psbetau	$\frac{4\widetilde{S}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu} au)$	\mathbf{C}
9sbetau	$\frac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(\bar{s}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9psbetau	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$

sbmue

WC name	Operator	Type
1sbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
1psbmue	$\frac{4\overset{Q^{-}}{G_{F}}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}b)(\bar{\mu}\gamma^{\mu}e)$	\mathbf{C}
3sbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3psbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5sbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}e)$	\mathbf{C}
5psbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}e)$	\mathbf{C}
7sbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7psbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
9sbmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9psbmue	$\frac{4\tilde{G}_{F}^{F}}{\sqrt{2}}(\bar{s}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_{F}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	C

sbmutau

WC name	Operator	Type
1sbmutau	$rac{4G_F}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{\mu}\gamma^\mu au)$	\overline{C}
1psbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	$^{\mathrm{C}}$
3sbmutau	$\frac{\frac{4\breve{G}_F^c}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)}{\frac{4G_F^c}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)}$	$^{\mathrm{C}}$
3psbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5sbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu} au)$	$^{\mathrm{C}}$
5psbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
7sbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7psbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
9sbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9psbmutau	$rac{4G_F}{\sqrt{2}}(ar{s}P_L\gamma_{\mu u ho\sigma}b)(ar{\mu}\gamma^{\mu u ho\sigma} au)$	$^{\mathrm{C}}$

${\tt sbtaue}$

WC name	Operator	Type
1sbtaue	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e) \end{array}$	\overline{C}
1psbtaue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	\mathbf{C}
3sbtaue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3psbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5sbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}e)$	\mathbf{C}
5psbtaue	$\frac{4\mathring{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}e)$	\mathbf{C}
7sbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
7psbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
9sbtaue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9psbtaue	$\frac{\frac{4G_F}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}

sbtaumu

WC name	Operator	Type
1sbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
1psbtaumu	$ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu \mu) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\mu) $	\mathbf{C}
3sbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3psbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5sbtaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\mu)$	\mathbf{C}
5psbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}\mu)$	\mathbf{C}
7sbtaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7psbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$

WC name	Operator	Type
9sbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	С
9psbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}

${\tt dbemu}$

WC name	Operator	Type
1dbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	\mathbf{C}
1pdbemu	$\frac{4G_F}{\overline{e}}(\bar{d}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}\mu)$	\mathbf{C}
3dbemu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)}$	\mathbf{C}
3pdbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dbemu	$\frac{4G_F}{G}(dP_Rb)(\bar{e}\mu)$	\mathbf{C}
5pdbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{e}\mu)$	\mathbf{C}
7dbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9dbemu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdbemu	$ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu) \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu) $	\mathbf{C}

dbetau

WC name	Operator	Type
1dbetau	$ \begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau) \end{array} $	C
1pdbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu au)$	\mathbf{C}
3dbetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dbetau	$\frac{4G_F}{\overline{e}}(dP_P b)(\bar{e}\tau)$	\mathbf{C}
5pdbetau	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}P_Lb)(ar{e} au)$	\mathbf{C}
7dbetau	$\frac{4G_F}{\sqrt{2}}(dP_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7pdbetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dbetau	$\frac{\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}$	\mathbf{C}
9pdbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}

${\tt dbmue}$

WC name	Operator	Type
1dbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	С

WC name	Operator	Type
1pdbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	\overline{C}
3dbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dbmue	$rac{4G_F}{\sqrt{2}}(ar{d}P_Rb)(ar{\mu}e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_Lb)(ar{\mu}e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu\nu}b)(ar{\mu}\sigma_{\mu\nu}e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu\nu}b)(ar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
5pdbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\mu}e)$	\mathbf{C}
7dbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdbmue	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
9dbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdbmue	$\frac{\frac{\sqrt{2}}{4G_F}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	С

${\tt dbmutau}$

WC name	Operator	Type
1dbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	C
1pdbmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{\mu}\gamma^\mu au) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{\mu}\gamma^\mu au)$	$^{\mathrm{C}}$
3dbmutau	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3pdbmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{\mu}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
5dbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
5pdbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
7dbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7pdbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
9dbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdbmutau	$\frac{{}^{4}\!$	$^{\mathrm{C}}$

dbtaue

WC name	Operator	Type
1dbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
1pdbtaue	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{ au}\gamma^\mu e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ au}\gamma^\mu e)$	\mathbf{C}
3dbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdbtaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)}$	\mathbf{C}
5dbtaue	$\frac{4G_F}{\overline{c}}(\bar{d}P_Rb)(\bar{\tau}e)$	\mathbf{C}
5pdbtaue	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}P_Lb)(ar{ au}e)$	\mathbf{C}
7dbtaue	$rac{4\overset{Q^{2}}{G_{F}}}{\sqrt{2}}(ar{d}P_{R}\sigma^{\mu u}b)(ar{ au}\sigma_{\mu u}e)$	\mathbf{C}
7pdbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
9dbtaue	$\frac{\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}$	$^{\mathrm{C}}$

WC name	Operator	Type
9pdbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	С

${\tt dbtaumu}$

WC name	Operator	Type
1dbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
1pdbtaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	\mathbf{C}
3dbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dbtaumu	$\frac{4\overset{.}{G_F}}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\tau}\mu)$	\mathbf{C}
5pdbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\tau}\mu)$	\mathbf{C}
7dbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdbtaumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu\nu} b) (\bar{\tau} \sigma_{\mu\nu} \mu)$	\mathbf{C}
9dbtaumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdbtaumu	$\frac{{}^{4}\!$	$^{\mathrm{C}}$

sbnunu

WC name	Operator	Type
nu1sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
nu1psbee	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	\mathbf{C}
nu1sbmumu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1psbmumu	$\frac{4\tilde{\zeta}_{F}^{2}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}b)(\bar{\nu}_{\mu}\gamma^{\mu}\nu_{\mu})$	\mathbf{C}
nu1sbtautau	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{ u}_ au\gamma^\mu u_ au)$	\mathbf{C}
nu1psbtautau	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}b)(\bar{\nu}_{ au}\gamma^{\mu} u_{ au})$	\mathbf{C}
nu1sbemu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1psbemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_\mu b) (\bar{\nu}_e \gamma^\mu \nu_\mu)$	\mathbf{C}
nu1sbmue	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_R \gamma_\mu b) (\bar{\nu}_\mu \gamma^\mu \nu_e)$	\mathbf{C}
nu1psbmue	$\frac{4\tilde{\zeta}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1sbetau	$\frac{4\tilde{\zeta}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1psbetau	$\frac{4\tilde{\zeta}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1sbtaue	$\frac{4\tilde{\zeta}_F^{\sigma}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu}b)(\bar{\nu}_{ au}\gamma^{\mu}\nu_e)$	\mathbf{C}
nu1psbtaue	$\frac{4\tilde{\zeta}_F^{\tau}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{\nu}_{\tau}\gamma^{\mu}\nu_e)$	\mathbf{C}
nu1sbtaumu	$\frac{4\tilde{\zeta}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1psbtaumu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_ au\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1sbmutau	$rac{4 \widetilde{G}_F^2}{\sqrt{2}} (\bar{s} P_R \gamma_\mu b) (\bar{\nu}_\mu \gamma^\mu u_ au)$	\mathbf{C}

WC name	Operator	Type
nu1psbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_ au)$	С

dbnunu

WC name	Operator	Type
nu1dbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
nu1pdbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	\mathbf{C}
nu1dbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1pdbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1dbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_ au)$	\mathbf{C}
nu1pdbtautau	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_ au\gamma^\mu u_ au)$	\mathbf{C}
nu1dbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1pdbemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1dbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_e)$	\mathbf{C}
nu1dbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_ au)$	\mathbf{C}
nu1pdbetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{ u}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1dbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	\mathbf{C}
nu1dbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1pdbtaumu	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_ au\gamma^\mu u_\mu)$	\mathbf{C}
nu1dbmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{ u}_\mu\gamma^\mu u_ au)$	\mathbf{C}
nu1pdbmutau	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_ au)$	$^{\mathrm{C}}$

sdsd

WC name	Operator	Type
1dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_L s)(\bar{d}\gamma^\mu P_L s)$	C
5dsds	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}_lpha P_L s_eta)(ar{d}_eta P_R s_lpha)$	\mathbf{C}
2dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}P_Ls)$	\mathbf{C}
1pdsds	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_R s)(ar{d}\gamma^\mu P_R s) \ rac{4G_F}{\sqrt{2}}(ar{d}_lpha P_L s_eta)(ar{d}_eta P_L s_lpha)$	\mathbf{C}
3dsds	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}_lpha P_L s_eta)(ar{d}_eta P_L s_lpha)$	\mathbf{C}
2pdsds	$\frac{4G_F}{\sqrt{2}}(dP_Rs)(dP_Rs)$	\mathbf{C}
4dsds	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}P_Rs)$	\mathbf{C}
3pdsds	$rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{d}P_Rs) \ rac{4G_F}{\sqrt{2}}(ar{d}_lpha P_Rs_eta)(ar{d}_eta P_Rs_lpha)$	\mathbf{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	$\frac{4\overleftarrow{Q}_F^c}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pusee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pusee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
7pusee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1usemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu \nu_\mu)$	$^{\mathrm{C}}$
5usemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
1pusemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{u} P_L \gamma^\mu s) (\bar{e} \gamma_\mu \nu_\mu)$	$^{\mathrm{C}}$
5pusemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
7pusemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1usetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5usetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pusetau	$\frac{4 \stackrel{\circ}{G_F}}{\sqrt{2}} (\bar{u} P_L \gamma^\mu s) (\bar{e} \gamma_\mu u_ au)$	\mathbf{C}
5pusetau	$\frac{4 \stackrel{\circ}{G_F}}{\sqrt{2}} (\bar{u} P_L s) (\bar{e} \nu_{\tau})$	\mathbf{C}
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pusmue	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pusmue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pusmue	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1usmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5usmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu} u_\mu)$	\mathbf{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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
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	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{ au})$	$^{\mathrm{C}}$
5usmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
1pusmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5pusmutau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_{ au})$	\mathbf{C}
7pusmutau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

ustaunu

WC name	Operator	Type
1ustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	C
5ustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}
1pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
1pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
7pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1ustautau	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{u}P_{R}\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{ au})$	\mathbf{C}
5ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau} u_{ au})$	\mathbf{C}
1pustautau	$\frac{4\overset{\circ}{\mathcal{G}_F}}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{ au}\gamma_{\mu} u_{ au})$	\mathbf{C}
5pustautau	$\frac{4\overset{\circ}{Q}_F^2}{\sqrt{2}}(\bar{u}P_Ls)(\bar{ au} u_{ au})$	\mathbf{C}
7pustautau	$\frac{4\tilde{\zeta}_F^{\sigma}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	С

csenu

WC name	Operator	Type
1csee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	С
5csee	$\frac{4Q_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
1pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcsee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
7pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1csemu	$\frac{4\overset{Q^{-}}{G_F}}{\sqrt{2}}(ar{c}P_R\gamma^{\mu}s)(ar{e}\gamma_{\mu} u_{\mu})$	\mathbf{C}
5csemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e} u_\mu)$	\mathbf{C}
1pcsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu u_\mu)$	\mathbf{C}
5pcsemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e} u_\mu)$	\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	$\frac{4\tilde{G}_F^{\sigma}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{ au})$	\mathbf{C}
5csetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_{ au})$	\mathbf{C}
1pcsetau	$\frac{4\overset{Q^{\prime}}{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu} u_{ au})$	\mathbf{C}
5pcsetau	$\frac{4Q_F^2}{\sqrt{2}}(\bar{c}P_L s)(\bar{e}\nu_{ au})$	$^{\mathrm{C}}$
7pcsetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	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	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_e)$	\mathbf{C}
7pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1csmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5csmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
7pcsmumu	$\frac{4\overset{Q\mathcal{G}_{F}}{\sqrt{2}}}{\sqrt{2}}(ar{c}P_{L}\sigma^{\mu u}s)(ar{\mu}\sigma_{\mu u} u_{\mu})$	\mathbf{C}
1csmutau	$rac{4\overset{Q\mathcal{L}}{\mathcal{L}}}{\sqrt{2}}(ar{c}P_R\gamma^\mu s)(ar{\mu}\gamma_\mu u_ au)$	\mathbf{C}
5csmutau	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{ au})$	\mathbf{C}
1pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu u_ au)$	\mathbf{C}
5pcsmutau	$\frac{4\mathring{G}_F^c}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_{ au})$	\mathbf{C}
7pcsmutau	$\frac{4 \overset{Y}{G_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu u} s) (\bar{\mu} \sigma_{\mu u} u_{ au})$	$^{\mathrm{C}}$

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	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcstaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu u_e)$	\mathbf{C}
5pcstaue	$\frac{4\overset{\sim}{G_F}}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_e)$	\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	$\frac{4\overset{\circ}{N_T}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau} u_\mu)$	\mathbf{C}
1pcstaumu	$\frac{4 \overset{.}{G_F}}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{\tau} \gamma_\mu \nu_\mu)$	\mathbf{C}
5pcstaumu	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_{\mu})$	\mathbf{C}
7pcstaumu	$\frac{4 \overset{\sim}{G_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu \nu} s) (\bar{\tau} \sigma_{\mu \nu} \nu_{\mu})$	\mathbf{C}
1cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu \nu_ au)$	\mathbf{C}
5cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcstautau	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(ar{c}P_L\gamma^\mu s)(ar{ au}\gamma_\mu u_ au)$	\mathbf{C}
5pcstautau	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L s)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
7pcstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

sdcu

WC name	Operator	Type
1dsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{u}\gamma^\mu c)$	C
2dsuc	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Ac)$	\mathbf{C}
3dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dsuc	$\frac{4\overset{AG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}c)$	\mathbf{C}
6dsuc	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Ac)$	\mathbf{C}
7dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	\mathbf{C}
8dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1pdsuc	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{u}\gamma^\mu c)$	\mathbf{C}
2pdsuc	$\frac{4\tilde{Q}_F^{\mathcal{F}}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Ac)$	\mathbf{C}
3pdsuc	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4pdsuc	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}c)$	\mathbf{C}
6pdsuc	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Ac)$	\mathbf{C}
7pdsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	\mathbf{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	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10pdsuc	$\frac{\sqrt[4]{G_F}}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{u}\gamma^{\mu\nu\rho\sigma} T^A c)$	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	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Au)$	\mathbf{C}
3dscu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}u)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Au)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dscu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dscu	$\frac{4\overset{\circ}{\nabla_{T}^{2}}}{\sqrt{2}}(\bar{d}P_{R}s)(\bar{c}u)$	\mathbf{C}
6dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Au)$	\mathbf{C}
7dscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8dscu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dscu	$\frac{4G_F}{dP_{PQ}}(\bar{d}P_{PQ})$ $e(\bar{c}_Q\mu\nu\rho\sigma_{M})$	\mathbf{C}
10dscu	$\frac{4\tilde{Q}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdscu	$\frac{\sqrt{2}}{\sqrt{2}} \frac{(dI_R \gamma_{\mu\nu\rho\sigma} s)(c\gamma u)}{\sqrt{2}} \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} T^A s)(\bar{c}\gamma^{\mu\nu\rho\sigma} T^A u) $ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu} s)(\bar{c}\gamma^{\mu} u)$	\mathbf{C}

WC name	Operator	Type
2pdscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A u)$	C
3pdscu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}u)$	$^{\mathrm{C}}$
6pdscu	$\frac{{}^{4G_F}_{F}(\bar{d}P_Ls)(\bar{c}u)}{{}^{4G_F}_{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Au)}$ $\frac{{}^{4G_F}_{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
7pdscu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu\nu} s) (\bar{c} \sigma_{\mu\nu} u)$	$^{\mathrm{C}}$
8pdscu	$\frac{4G_F}{\sqrt{2}}(dP_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	$^{\mathrm{C}}$
9pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdscu	$\frac{4G_F^c}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{c}\gamma^{\mu\nu\rho\sigma} u) \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{c}\gamma^{\mu\nu\rho\sigma} T^A u)$	С

sd

WC name	Operator	Type
7gammads	$\frac{4G_F}{\sqrt{2}}\frac{e}{q^2}m_s(\bar{d}P_R\sigma_{\mu\nu}s)F^{\mu\nu}$	C
8gds	$rac{4Q_F^2}{\sqrt{2}}rac{g_s}{g_s}m_s(ar{d}P_R\sigma_{\mu u}T^As)G_A^{\mu u}$	\mathbf{C}
7pgammads	$\frac{4Q_F^2}{\sqrt{2}}\frac{g_s^s}{g^2}m_s(\bar{d}P_L\sigma_{\mu\nu}s)F^{\mu\nu}$	\mathbf{C}
8pgds	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}\frac{\overset{\circ}{J_s}}{q_s}m_s(\bar{d}P_L\sigma_{\mu u}T^As)G_A^{\mu u}$	\mathbf{C}
1dsuu	$\frac{4\ddot{G_F}}{\sqrt{2}}(\ddot{ar{d}}P_R\gamma_\mu s)(ar{u}\gamma^\mu u)$	\mathbf{C}
2dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3dsuu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	$^{\mathrm{C}}$
6dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Au)$	$^{\mathrm{C}}$
7dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
8dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	$^{\mathrm{C}}$
9dsuu	$\frac{4\vec{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dsuu	$\frac{4\overset{Y_{G_F}}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdsuu	$rac{4 \overset{f G_F}{\sqrt{2}}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{u} \gamma^\mu u)$	\mathbf{C}
2pdsuu	$\frac{4\check{G}_F^C}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdsuu	$\frac{4\overset{\mathbf{C}_{F}}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_{L}s)(\bar{u}u)$	\mathbf{C}
6pdsuu	$\frac{4\overset{YG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au)$	\mathbf{C}
7pdsuu	$\frac{4\overset{QG_F}{Q_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu u}s)(\bar{u}\sigma_{\mu u}u)$	\mathbf{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}
9pdsuu	$\frac{4\vec{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}

WC name	Operator	Type
10pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	C
1dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2dscc	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
3dscc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dscc	$\frac{4 \check{G}_F^c}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} T^A s) (\bar{c} \gamma^{\mu\nu\rho} T^A c)$	\mathbf{C}
5dscc	$rac{4G_F}{\sqrt{2}}(ar{d}P_Rs)(ar{c}c) \ rac{4G_F}{\sqrt{2}}(ar{d}P_RT^As)(ar{c}T^Ac)$	\mathbf{C}
6dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)$	\mathbf{C}
7dscc	$\frac{4G_F}{\sqrt{2}}(dP_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8dscc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
9dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1pdscc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2pdscc	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3pdscc	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{c}\gamma^{\mu u ho}c)$	\mathbf{C}
4pdscc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdscc	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_L s)(ar{c}c)$	$^{\mathrm{C}}$
6pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	$^{\mathrm{C}}$
7pdscc	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{c}\sigma_{\mu u}c)$	$^{\mathrm{C}}$
8pdscc	$\frac{4\check{G}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9pdscc	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1dsss	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{s}\gamma^\mu s)$	$^{\mathrm{C}}$
3dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
5dsss	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{s}s)$	\mathbf{C}
7dsss	$\frac{4 \stackrel{G}{G_F}}{\sqrt{2}} (ar{d} P_R \sigma^{\mu u} s) (ar{s} \sigma_{\mu u} s)$	$^{\mathrm{C}}$
9dsss	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
1pdsss	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{s} \gamma^\mu s)$	$^{\mathrm{C}}$
3pdsss	$\frac{4G_F}{dP_r} (\bar{d}P_r \alpha - e) (\bar{e}\alpha \mu\nu\rho_e)$	\mathbf{C}
5pdsss	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{s}s)$	\mathbf{C}
7pdsss	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{s}\sigma_{\mu u}s)$	$^{\mathrm{C}}$
9pdsss	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho\sigma}s)(ar{s}\gamma^{\mu u ho\sigma}s)$	$^{\mathrm{C}}$
1dsdd	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}\gamma_\mu P_L s)(ar{d}\gamma^\mu d)$	$^{\mathrm{C}}$
1pdsdd	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}\gamma_\mu P_R s)(ar{d}\gamma^\mu d)$	\mathbf{C}
3dsdd	$ \frac{\sqrt{2}}{\sqrt{2}} (dP_L s)(\bar{s}s) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s)(\bar{s}s) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \sigma^{\mu\nu} s)(\bar{s}\sigma_{\mu\nu} s) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} s)(\bar{s}\gamma^{\mu\nu\rho\sigma} s) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu} P_L s)(\bar{d}\gamma^{\mu} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu} P_R s)(\bar{d}\gamma^{\mu} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_L s)(\bar{d}\gamma^{\mu\nu\rho} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_R s)(\bar{d}\gamma^{\mu\nu\rho} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_R s)(\bar{d}\gamma^{\mu\nu\rho} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s)(\bar{d}d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s)(\bar{d}d) $	\mathbf{C}
3pdsdd	$\frac{4\dot{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rs)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
5dsdd	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d)$	\mathbf{C}
5pdsdd	$\frac{4\overset{\sim}{Q_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d)$	$^{\mathrm{C}}$

WC name	Operator	Type
7dsdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d)$	C
7pdsdd	$\frac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(ar{d}\sigma^{\mu u}P_{R}s)(ar{d}\sigma_{\mu u}d)$	\mathbf{C}
9dsdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
9pdsdd	$\frac{{}^{4}\!G_{F}^{G}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_{R}s)(\bar{d}\sigma_{\mu\nu}d)$ $\frac{{}^{4}\!G_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_{L}s)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$ $\frac{{}^{4}\!G_{F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_{R}s)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
1dsbb	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_\mu s)(b\gamma^\mu b)$	$^{\mathrm{C}}$
2dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{b}\gamma^\mu T^A b)$	$^{\mathrm{C}}$
3dsbb	$rac{4G_F^2}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{b}\gamma^{\mu u ho}b)$	$^{\mathrm{C}}$
4dsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab)$	$^{\mathrm{C}}$
5dsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{b}b)$	$^{\mathrm{C}}$
6dsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{b}T^Ab)$	$^{\mathrm{C}}$
7dsbb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{b}\sigma_{\mu\nu}b)$	$^{\mathrm{C}}$
8dsbb	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)}$	$^{\mathrm{C}}$
9dsbb	$\frac{4\overset{QG_F}{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
10dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{b}\gamma^{\mu\nu\rho\sigma}T^Ab)$	\mathbf{C}
1pdsbb	$rac{4reve{Q}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{b}\gamma^\mu b)$	\mathbf{C}
2pdsbb	$\frac{4 \check{G}_F^c}{\sqrt{2}} (\bar{d} P_L \gamma_\mu T^A s) (\bar{b} \gamma^\mu T^A b)$	\mathbf{C}
3pdsbb	$\frac{4\tilde{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	$^{\mathrm{C}}$
4pdsbb	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab)$	$^{\mathrm{C}}$
5pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{b}b)$	\mathbf{C}
6pdsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{b}T^Ab)$	\mathbf{C}
7pdsbb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{b}\sigma_{\mu\nu}b)$	$^{\mathrm{C}}$
8pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)$	\mathbf{C}
9pdsbb	$\frac{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}T^{A}s)(\bar{b}\sigma_{\mu\nu}T^{A}b)}{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)}$	$^{\mathrm{C}}$
10pdsbb	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{b}\gamma^{\mu\nu\rho\sigma}T^Ab)$	$^{\mathrm{C}}$
1dsee	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_\mu s) (\bar{e} \gamma^\mu e)$	\mathbf{C}
1pdsee	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{e}\gamma^\mu e)$	\mathbf{C}
3dsee	$rac{4 \overleftarrow{G}_F}{\sqrt{2}} (ar{d} P_R \gamma_{\mu u ho} s) (ar{e} \gamma^{\mu u ho} e)$	\mathbf{C}
3pdsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5dsee	4GE (ID) (-)	$^{\mathrm{C}}$
5pdsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}e)$	$^{\mathrm{C}}$
7dsee	$\frac{4 \overset{Q}{G_F}}{\sqrt{2}} (\bar{d} P_R \sigma^{\mu u} s) (\bar{e} \sigma_{\mu u} e)$	$^{\mathrm{C}}$
7pdsee	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
9dsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$
9pdsee	$\frac{4\check{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
1dsmumu	$\frac{4 \check{G}_F^c}{\sqrt{2}} (\bar{d} P_R \gamma_\mu s) (\bar{\mu} \gamma^\mu \mu)$	\mathbf{C}
1pdsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R s)(ee)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{e}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu} s)(\bar{e}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L \sigma^{\mu\nu} s)(\bar{e}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu}s)(\bar{\mu}\gamma^{\mu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L \gamma_{\mu}s)(\bar{\mu}\gamma^{\mu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3dsmumu	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} s) (\bar{\mu} \gamma^{\mu\nu\rho} \mu)$	\mathbf{C}

WC name	Operator	Type
3pdsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	С
5dsmumu	$\frac{4\widetilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\mu)$	\mathbf{C}
5pdsmumu	$\frac{4\tilde{Q}_F^F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\mu}\mu)$	\mathbf{C}
7dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsmumu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9pdsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
1dstautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ au}\gamma^\mu au)$	\mathbf{C}
1pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu au)$	\mathbf{C}
3dstautau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdstautau	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dstautau	$\frac{4\tilde{Q}_F^F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\tau} au)$	\mathbf{C}
5pdstautau	$\frac{4\tilde{Q}_F^F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{ au} au)$	\mathbf{C}
7dstautau	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u} au)$	\mathbf{C}
7pdstautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dstautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C

sdmue

WC name	Operator	Type
1dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	C
1pdsemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	\mathbf{C}
3dsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdsemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsemu	$rac{4rac{Q}F}{\sqrt{2}}(ar{d}P_Rs)(ar{e}\mu)$	\mathbf{C}
5pdsemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}\mu)$	\mathbf{C}
7dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsemu	$rac{4raket{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{e}\sigma_{\mu u}\mu)$	\mathbf{C}
9dsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9pdsemu	$\frac{4\bar{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

sdtaue

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

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	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	$^{\mathrm{C}}$
3dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dsmue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}e)$	$^{\mathrm{C}}$
5pdsmue	$\frac{4G_F}{\overline{c}}(dP_I s)(\bar{\mu}e)$	$^{\mathrm{C}}$
7dsmue	$\frac{4G_F}{\sqrt{2}}(dP_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdsmue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
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{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)}{\frac{4G_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) $	\mathbf{C}

${\tt sdtaumu}$

WC name	Operator	Type
1dsmutau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\mu}\gamma^\mu\tau)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)}$	\overline{C}
1pdsmutau	$rac{4 \check{G}_F^c}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{\mu} \gamma^\mu au)$	$^{\mathrm{C}}$
3dsmutau	$\frac{4\tilde{\mathbf{Y}}_{F}^{C}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3pdsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dsmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu} au)$	\mathbf{C}
5pdsmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu} au)$	\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{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu}\tau)} \\ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)} $	\mathbf{C}

WC name	Operator	Type
9dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	С
9pdsmutau	$\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	C

sdetau

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

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	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ au}\gamma^\mu\mu) \ rac{4G_F}{\sqrt{F}}(ar{d}P_L\gamma_\mu s)(ar{ au}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dstaumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdstaumu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} s) (\bar{\tau} \gamma^{\mu\nu\rho} \mu)$	$^{\mathrm{C}}$
5dstaumu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R s) (\bar{\tau} \mu)$	$^{\mathrm{C}}$
5pdstaumu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_L s) (\bar{\tau} \mu)$	$^{\mathrm{C}}$
7dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
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	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$

${\tt sdnunu}$

WC name	Operator	Type
nu1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	С

WC name	Operator	Type
nu1pdsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
nu1dsmumu	$rac{4rac{rackV_F}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1pdsmumu	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1dstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_ au)$	$^{\mathrm{C}}$
nu1pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1dsemu	$\frac{4 \tilde{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_\mu s) (\bar{\nu}_e \gamma^\mu \nu_\mu)$	\mathbf{C}
nu1pdsemu	$rac{4reve{Q}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmue	$rac{4reve{Q}_F^{\Gamma}}{\sqrt{2}}(ar{d}P_R\gamma_{\mu}s)(ar{ u}_{\mu}\gamma^{\mu} u_e)$	\mathbf{C}
nu1pdsmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_ au)$	$^{\mathrm{C}}$
nu1pdsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1dstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1pdstaue	$rac{4rac{\chi_F^2}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_e)$	\mathbf{C}
nu1dstaumu	$\frac{4\tilde{G}_F^{\sigma}}{\sqrt{2}}(ar{d}P_R\gamma_{\mu}s)(ar{ u}_{ au}\gamma^{\mu} u_{\mu})$	\mathbf{C}
nu1pdstaumu	$rac{4ar{Q}_F^F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmutau	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	\mathbf{C}
nu1pdsmutau	$rac{4\overset{\sim}{N_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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})$	\mathbf{C}
2cucu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu)$	\mathbf{C}
1pcucu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_R u)(\bar{c}\gamma^\mu P_R u)$	\mathbf{C}
3cucu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})$	\mathbf{C}
2pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
4cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
Зрсиси	$ \frac{\sqrt{2}}{\sqrt{2}} (\bar{c}\gamma_{\mu} \Gamma_L u)(\bar{c}\gamma^{\mu} \Gamma_L u) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}\alpha_{\rho} \Gamma_L u)(\bar{c}\beta_{\rho} \Gamma_R u_{\alpha}) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}P_L u)(\bar{c}P_L u) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}\gamma_{\mu} P_R u)(\bar{c}\gamma^{\mu} P_R u) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}\alpha_{\rho} \Gamma_L u_{\beta})(\bar{c}\beta_{\rho} \Gamma_L u_{\alpha}) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}P_R u)(\bar{c}P_R u) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}P_L u)(\bar{c}P_R u) \\ \frac{4G_F}{\sqrt{2}} (\bar{c}\alpha_{\rho} \Gamma_R u_{\beta})(\bar{c}\beta_{\rho} \Gamma_R u_{\alpha}) $	$^{\mathrm{C}}$