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	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu P_L b)$	C
5sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Rb_{\alpha})$	\mathbf{C}
2sbsb	$\frac{\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Lb)}{\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Rb)(\bar{s}\gamma^{\mu}P_Rb)}$	$^{\mathrm{C}}$
1psbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu P_R b)$	$^{\mathrm{C}}$
3sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Lb_{\alpha})$	$^{\mathrm{C}}$
2psbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}P_Rb)$	$^{\mathrm{C}}$
4sbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Rb)$	C
3psbsb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Rb)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Rb_{\beta})(\bar{s}_{\beta}P_Rb_{\alpha})$	$^{\mathrm{C}}$

dbdb

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

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{e}\nu_e)$	\mathbf{C}
1pubee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pubee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{e}\nu_e)$	\mathbf{C}
7pubee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1ubemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu \nu_\mu)$	\mathbf{C}
5ubemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{e}\nu_\mu)$	\mathbf{C}
1pubemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pubemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{e}\nu_\mu)$	\mathbf{C}
7pubemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ubetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu u_ au)$	\mathbf{C}
5ubetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rb)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pubetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu} u_{ au})$	\mathbf{C}
5pubetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Lb)(\bar{e} u_{ au})$	\mathbf{C}
7pubetau	$\frac{4\overset{\sim}{G_F}}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

${\tt ubmunu}$

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

ubtaunu

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

udenu

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

udmunu

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

${\tt udtaunu}$

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

${\tt cdenu}$

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	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_e)$	\mathbf{C}
1pcdee	$\frac{4 G_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{e} \gamma_\mu \nu_e)$	\mathbf{C}
5pcdee	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e}\nu_e)$	\mathbf{C}
7pcdee	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu \nu} d) (\bar{e} \sigma_{\mu \nu} \nu_e)$	\mathbf{C}
1cdemu	$\frac{4 G_F}{\sqrt{2}} (\bar{c} P_R \gamma^\mu d) (\bar{e} \gamma_\mu \nu_\mu)$	\mathbf{C}
5cdemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcdemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{e}\gamma_\mu\nu_\mu)$	\mathbf{C}
5pcdemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcdemu	$\frac{4 G_F}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu\nu} d) (\bar{e} \sigma_{\mu\nu} \nu_\mu)$	\mathbf{C}
1cdetau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_R \gamma^\mu d) (\bar{e} \gamma_\mu \nu_\tau)$	\mathbf{C}
5cdetau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_R d) (\bar{e} \nu_{\tau})$	\mathbf{C}
1pcdetau	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu d) (\bar{e} \gamma_\mu \nu_ au)$	\mathbf{C}
5pcdetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{e} u_ au)$	\mathbf{C}
7pcdetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{e}\sigma_{\mu\nu}\nu_{\tau})$	C

${\tt cdmunu}$

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

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	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcdtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	\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	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{c} P_L d) (\overline{\tau} \nu_\mu)$	\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	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5cdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5pcdtautau	$\frac{4\overset{G^{2}}{\sqrt{2}}}{\sqrt{2}}(\bar{c}P_{L}d)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
7pcdtautau	$\frac{4\overset{\circ}{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	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	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
7pcbee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cbemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5cbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
1pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_\mu)$	$^{\mathrm{C}}$
7pcbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu \nu_ au)$	\mathbf{C}
5cbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5pcbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_{\tau})$	\mathbf{C}
7pcbetau	$\frac{4\overleftarrow{\delta G_F}}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{ au})$	C

cbmunu

WC name	Operator	Type
1cbmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5cbmue	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcbmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcbmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_e)$	\mathbf{C}
7pcbmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cbmumu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5cbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\mu})$	\mathbf{C}
1pcbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcbmumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_L b) (\bar{\mu} \nu_\mu)$	\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	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_R \gamma^{\mu} b) (\bar{\mu} \gamma_{\mu} \nu_{\tau})$	\mathbf{C}
5cbmutau	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\tau})$	\mathbf{C}
1pcbmutau	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_L \gamma^{\mu} b) (\bar{\mu} \gamma_{\mu} \nu_{\tau})$	\mathbf{C}
5pcbmutau	$\frac{4\overset{\circ}{N_T}}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_{ au})$	\mathbf{C}
7pcbmutau	$rac{4 \stackrel{\circ}{G}_F}{\sqrt{2}} (ar{c} P_L \sigma^{\mu u} b) (ar{\mu} \sigma_{\mu u} u_ au)$	$^{\mathrm{C}}$

${\tt cbtaunu}$

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

sbuc

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

sbcu

WC name	Operator	Type
1sbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2sbcu	$rac{4G_F}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{c}\gamma^\mu u) \ rac{4G_F}{\sqrt{2}}(ar{s}P_R\gamma_\mu T^A b)(ar{c}\gamma^\mu T^A u)$	\mathbf{C}
3sbcu	$\frac{4G_F}{G_F}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4sbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5sbcu	$\frac{4\overset{\circ}{\zeta_{F}}}{\sqrt{2}}(\bar{s}P_{R}b)(\bar{c}u)$	\mathbf{C}
6sbcu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{c}T^Au)$	\mathbf{C}
7sbcu	$\frac{4\overset{AG_F}{\sqrt{2}}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu u}b)(\bar{c}\sigma_{\mu u}u)$	\mathbf{C}
8sbcu	$\frac{4\tilde{G}_{F}}{2}(\bar{s}P_{B}\sigma^{\mu\nu}T^{A}b)(\bar{c}\sigma_{m}T^{A}u)$	\mathbf{C}
9sbcu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10sbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}

WC name	Operator	Type
1psbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2psbcu	$\frac{4\overset{G}{G}_{F}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}T^{A}b)(\bar{c}\gamma^{\mu}T^{A}u)$ $\frac{4\overset{G}{G}_{F}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	$^{\mathrm{C}}$
3psbcu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4psbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5psbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{c}u)$	$^{\mathrm{C}}$
6psbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{c}T^Au)$	\mathbf{C}
7psbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
8psbcu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	$^{\mathrm{C}}$
9psbcu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	$^{\mathrm{C}}$
10psbcu	$\frac{{}^{4}\!$	С

${\tt dbuc}$

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

sbsd

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

dbds

WC name	Operator	Type
1dbds	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Lb)(\bar{d}\gamma^{\mu}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu}P_Rb)(\bar{d}\gamma^{\mu}s)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}s)}$	C
1pdbds	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_R b)(\bar{d}\gamma^\mu s)$	\mathbf{C}
3dbds	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
3pdbds	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_{\mu u ho}P_Rb)(ar{d}\gamma^{\mu u ho}s)$	\mathbf{C}
5dbds	$\frac{4\breve{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}s)$	\mathbf{C}
5pdbds	$\frac{4\breve{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{d}s)$	\mathbf{C}
7dbds	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d}\sigma^{\mu u} P_L b) (ar{d}\sigma_{\mu u} s)$	\mathbf{C}
7pdbds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}s)$	\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	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)$	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\widetilde{G}_F^2}{\sqrt{2}}rac{1}{q_s}m_b(ar{s}P_R\sigma_{\mu u}T^Ab)G_A^{\mu u}$	\mathbf{C}
7pgammasb	$\frac{4 \stackrel{G}{G_F}}{\sqrt{2}} \frac{\stackrel{g}{g^2}}{q^2} m_b (\bar{s} P_L \sigma_{\mu\nu} b) F^{\mu\nu}$	$^{\mathrm{C}}$
8pgsb	$\frac{4 \stackrel{\circ}{N_F}}{\sqrt{2}} \frac{\stackrel{\circ}{J_s}}{q_s} m_b (\bar{s} P_L \sigma_{\mu\nu} T^A b) G_A^{\mu\nu}$	$^{\mathrm{C}}$
1sbuu	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	$^{\mathrm{C}}$
2sbuu	$\frac{4 \overset{C}{N_F}}{\sqrt{2}} (\bar{s} P_R \gamma_\mu T^A b) (\bar{u} \gamma^\mu T^A u)$	$^{\mathrm{C}}$
3sbuu	$\frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (\bar{u} \gamma^{\mu\nu\rho} u)$	$^{\mathrm{C}}$
4sbuu	$\frac{4\overset{Q}{Q_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5sbuu	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{u}u)$	\mathbf{C}
6sbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7sbuu	$\frac{4\overset{C}{C_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8sbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9sbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10sbuu	$\frac{4 \stackrel{Q^2}{\sqrt{2}}}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} T^A b) (\bar{u} \gamma^{\mu\nu\rho\sigma} T^A u)$	\mathbf{C}
1psbuu	$\frac{4\widetilde{S}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2psbuu	$\frac{4\overset{C}{N_{e}}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}T^{A}b)(\bar{u}\gamma^{\mu}T^{A}u)$	\mathbf{C}
3psbuu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4psbuu	$\frac{4 \stackrel{Q}{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho} T^A b) (\bar{u} \gamma^{\mu\nu\rho} T^A u)$	\mathbf{C}
5psbuu	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{u}u)$	\mathbf{C}
6psbuu	$\frac{4\widetilde{Q}_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}

8psbuu $\frac{\delta \mathcal{E}_{\mathcal{P}}^{F}}{\mathcal{P}_{\mathcal{P}}^{F}}(\bar{s}P_{L}\sigma^{\mu\nu}T^{A}b)(\bar{u}\sigma_{\mu\nu}T^{A}u) \qquad \qquad$	WC name	Operator	Type
8psbuu $\frac{4\overline{G}_{F}}{\sqrt{2}}(\overline{s}P_{L}\sigma^{\mu\nu}T^{A}b)(\overline{u}\sigma_{\mu\nu}T^{A}u) \qquad \qquad$	7psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	C
$\begin{array}{c} 1 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu b) (\bar{d}\gamma^\mu d) \\ 2 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 3 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 5 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma^\mu d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma T^A b) (\bar{d}\gamma^\mu \nu^\rho \sigma T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \mu_\rho b) (\bar{d}\gamma^\mu \nu^\rho d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma^\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{d}\sigma_\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho C) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ $	8psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
$\begin{array}{c} 1 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu b) (\bar{d}\gamma^\mu d) \\ 2 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 3 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 5 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma^\mu d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma T^A b) (\bar{d}\gamma^\mu \nu^\rho \sigma T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \mu_\rho b) (\bar{d}\gamma^\mu \nu^\rho d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma^\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{d}\sigma_\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho C) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ $	9psbuu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
$\begin{array}{c} 1 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu b) (\bar{d}\gamma^\mu d) \\ 2 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 3 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu_\rho d) \\ 4 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R\gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 5 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu_\rho T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma^\mu d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \sigma^{\mu\nu} b) (\bar{d}\sigma_{\mu\nu} T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma b) (\bar{d}\gamma^\mu \nu^\rho \sigma d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho \sigma T^A b) (\bar{d}\gamma^\mu \nu^\rho \sigma T^A d) \\ 6 \text{sbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu T^A b) (\bar{d}\gamma^\mu T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \mu_\rho b) (\bar{d}\gamma^\mu \nu^\rho d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho T^A b) (\bar{d}\gamma^\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma^\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho b) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_L \gamma_\mu \nu_\rho \sigma D^A) (\bar{d}\sigma_\mu \nu^\rho T^A d) \\ 6 \text{spbdd} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{d}\sigma_\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho C) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ 6 \text{sbdc} & \frac{4G_F}{\sqrt{2}} (\bar{s}P_R \gamma_\mu \nu_\rho D^A) (\bar{c}\gamma^\mu \nu^\rho T^A c) \\ $	10psbuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
2sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad) \qquad \qquad C$ 3sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 4sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad) \qquad \qquad C$ 5sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{d}T^Ad) \qquad \qquad C$ 6sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{d}T^Ad) \qquad \qquad C$ 7sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 8sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 9sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 10sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}D^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 4psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 6psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 2psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad \qquad C$ 2sbcc	1sbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{d}\gamma^\mu d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2sbdd	$\frac{4G_F}{\bar{c}}(\bar{s}P_B\gamma_{\mu}T^Ab)(\bar{d}\gamma^{\mu}T^Ad)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad)$	\mathbf{C}
6sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(dT^Ad) \qquad \qquad C$ 7sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 8sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 9sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 10sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 3psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 4psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 5psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad) \qquad \qquad C$ 5psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\sigma^{\mu\nu\rho}d) \qquad \qquad C$ 6psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma^{\mu\nu}d) \qquad \qquad C$ 8psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad C$ 9psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 10psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma^{\mu\nu\rho}\sigma) \qquad \qquad C$ 2sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad) \qquad \qquad C$ 2sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu}b)(\bar{c}\gamma^{\mu}C) \qquad \qquad C$ 2sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}C) \qquad \qquad C$ 4sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \qquad \qquad C$ 5sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \qquad \qquad C$	5sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{d}d)$	\mathbf{C}
7sbdd $\frac{4\overline{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad$	6sbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{d}T^Ad)$	\mathbf{C}
8sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad C$ 9sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 10sbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}D^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) \qquad \qquad C$ 1psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}D^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}D^Ad) \qquad \qquad C$ 2psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{d}\gamma^{\mu}d) \qquad \qquad C$ 3psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d) \qquad \qquad C$ 4psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}D^Ad) \qquad \qquad C$ 4psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}D^Ab)(\bar{d}\gamma^{\mu\nu\rho}D^Ad) \qquad \qquad C$ 5psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_LD^A\mu\nu_\rho D^Ab)(\bar{d}D^A\mu\nu_\rho D^AD^Ad) \qquad \qquad C$ 6psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_LD^A\mu\nu_\rho D^Ab)(\bar{d}D^A\mu\nu_\rho D^AD^Ad) \qquad \qquad C$ 8psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_LD^A\mu\nu_\rho D^Ab)(\bar{d}D^A\mu\nu_\rho D^AD^AD^AD^AD^AD^AD^AD^AD^AD^AD^AD^AD^AD$	7sbdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8sbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9sbdd	$\frac{4\dot{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10sbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1psbdd	$\frac{4G_F}{\bar{c}}(\bar{s}P_L\gamma_{\mu}b)(\bar{d}\gamma^{\mu}d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2psbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3psbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4psbdd	$\frac{4\overline{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad)$	\mathbf{C}
6psbdd $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{d}T^Ad) \qquad \qquad$	5psbdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{d}d)$	\mathbf{C}
7psbdd $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d) \qquad \qquad$	6psbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{d}T^Ad)$	\mathbf{C}
8psbdd $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad) \qquad \qquad$	7psbdd		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8psbdd	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9psbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
1sbcc $\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu c) \qquad \qquad C$ 2sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c) \qquad \qquad C$ 3sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$ 4sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^A b)(\bar{c}\gamma^{\mu\nu\rho}T^A c) \qquad \qquad C$ 5sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R D_b)(\bar{c}c) \qquad \qquad C$ 6sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R T^A b)(\bar{c}T^A c) \qquad \qquad C$	10psbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	\mathbf{C}
2sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c) \qquad \qquad C$ 3sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$ 4sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^A b)(\bar{c}\gamma^{\mu\nu\rho}T^A c) \qquad \qquad C$ 5sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R D^A b)(\bar{c}c) \qquad \qquad C$ 6sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R T^A b)(\bar{c}T^A c) \qquad \qquad C$	1sbcc		\mathbf{C}
3sbcc $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$ 4sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \qquad \qquad C$ 5sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{c}c) \qquad \qquad C$ 6sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{c}T^Ac) \qquad \qquad C$	2sbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
4sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \qquad \qquad C$ 5sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{c}c) \qquad \qquad C$ 6sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{c}T^Ac) \qquad \qquad C$	3sbcc	$\frac{4G_F}{\sqrt{c}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
5sbcc $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{c}c)$ C 6sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{c}T^Ac)$ C	4sbcc	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
6shcc $\frac{4\overline{G}_F}{(\bar{s}P_PT^Ab)(\bar{c}T^Ac)}$	5sbcc		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6sbcc	$\frac{4G_F}{G_F}(\bar{s}P_PT^Ah)(\bar{c}T^Ac)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7sbcc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
9sbcc $\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c) \qquad \qquad C$ 10sbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) \qquad \qquad C$ 1psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{c}\gamma^{\mu}c) \qquad \qquad C$ 2psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}T^Ab)(\bar{c}\gamma^{\mu}T^Ac) \qquad \qquad C$ 3psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$	8sbcc	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{cccc} \text{10sbcc} & \frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) & \text{C} \\ \text{1psbcc} & \frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{c}\gamma^{\mu}c) & \text{C} \\ \text{2psbcc} & \frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}T^Ab)(\bar{c}\gamma^{\mu}T^Ac) & \text{C} \\ \text{3psbcc} & \frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) & \text{C} \end{array}$	9sbcc	$\frac{4\check{G}_{F}}{\sqrt{2}}(\bar{s}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
1psbcc $\frac{4\overset{\bullet}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c) \qquad \qquad C$ 2psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c) \qquad \qquad C$ 3psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$	10sbcc	$\frac{4\check{G}_{F}^{\sigma}}{\sqrt{2}}(\bar{s}P_{R}\gamma_{\mu\nu\rho\sigma}T^{A}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}
2psbcc $\frac{4\overset{\bullet}{C_F}}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac) \qquad \qquad C$ 3psbcc $\frac{4\overset{\bullet}{C_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c) \qquad \qquad C$	1psbcc	$\frac{4\check{C}_F^{\Gamma}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{c}\gamma^{\mu}c)$	\mathbf{C}
3psbcc $\frac{4\tilde{\zeta}_F^c}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$ C	2psbcc	$\frac{4\check{G}_{F}^{\sigma}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu}T^{A}b)(\bar{c}\gamma^{\mu}T^{A}c)$	\mathbf{C}
	3psbcc	$\frac{4\check{G}_{F}^{r}}{\sqrt{2}}(\bar{s}P_{L}\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	C
6psbcc $\frac{4G_F}{\sqrt{2}} (\bar{s}P_L T^A b) (\bar{c}T^A c) \qquad $	5psbcc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_Lb)(\bar{c}c)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6psbcc	$\frac{4\overset{Q'_F}{Q_F}}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{c}T^Ac)$	\mathbf{C}
8psbcc $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac) \qquad \qquad$	7psbcc	$\frac{4G_F}{\bar{c}}(\bar{s}P_I\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
$\begin{array}{c} 3 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (b \gamma^{\mu\nu\rho} b) \\ 5 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R b) (\bar{b} b) \\ \hline 7 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{b} \sigma_{\mu\nu} b) \\ \hline 9 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{b} \gamma^{\mu\nu\rho\sigma} b) \\ \hline 0 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu} b) (\bar{b} \gamma^{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_$	8psbcc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	\mathbf{C}
$\begin{array}{c} 3 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (b \gamma^{\mu\nu\rho} b) \\ 5 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R b) (\bar{b} b) \\ \hline 7 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{b} \sigma_{\mu\nu} b) \\ \hline 9 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{b} \gamma^{\mu\nu\rho\sigma} b) \\ \hline 0 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu} b) (\bar{b} \gamma^{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_$	9psbcc	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
$\begin{array}{c} 3 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (b \gamma^{\mu\nu\rho} b) \\ 5 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R b) (\bar{b} b) \\ \hline 7 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{b} \sigma_{\mu\nu} b) \\ \hline 9 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{b} \gamma^{\mu\nu\rho\sigma} b) \\ \hline 0 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu} b) (\bar{b} \gamma^{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_$	10psbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
$\begin{array}{c} 3 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (b \gamma^{\mu\nu\rho} b) \\ 5 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R b) (\bar{b} b) \\ \hline 7 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{b} \sigma_{\mu\nu} b) \\ \hline 9 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{b} \gamma^{\mu\nu\rho\sigma} b) \\ \hline 0 \text{sbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu} b) (\bar{b} \gamma^{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \gamma^{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{b} \rho_{\mu\nu\rho} b) \\ \hline 0 \text{spbbb} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} b) (\bar{s} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} \rho_{\mu\nu\rho} s) \\ \hline 0 \text{spbbs} & \frac{4 G_F}{\sqrt{2}} (\bar{s} \rho_{\mu\nu\rho} \rho_$	1sbbb	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{b}\gamma^\mu b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3sbbb	$\frac{4G_F^{\Gamma}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	\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	$\frac{4G_F}{\sqrt{s}}(\bar{s}P_Rb)(bb)$	\mathbf{C}
$\begin{array}{c} \frac{1}{\sqrt{2}}(s_1 L_b)(b_0) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \\ 0 \\ 9 \\ 9 \\ 9 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	7sbbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu \nu} b) (\bar{b} \sigma_{\mu \nu} b)$	\mathbf{C}
$\begin{array}{c} \frac{1}{\sqrt{2}}(s_1 L_b)(b_0) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \\ 0 \\ 9 \\ 9 \\ 9 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	9sbbb	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
$\begin{array}{c} \frac{1}{\sqrt{2}}(s_1 L_b)(b_0) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \\ 0 \\ 9 \\ 9 \\ 9 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	1psbbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_\mu b) (\bar{b} \gamma^\mu b)$	\mathbf{C}
$\begin{array}{c} \frac{1}{\sqrt{2}}(s_1 L_b)(b_0) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) \\ 0 \\ 9 \\ 9 \\ 9 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	3psbbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho} b) (\bar{b} \gamma^{\mu\nu\rho} b)$	\mathbf{C}
$\begin{array}{llll} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b) & C \\ 9\text{psbbb} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b) & C \\ 1\text{sbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu}s) & C \\ 1\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu}s) & C \\ 1\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s) & C \\ 3\text{sbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s) & C \\ 3\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s) & C \\ 5\text{sbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}s) & C \\ 5\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}s) & C \\ 7\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}s) & C \\ 9\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) & C \\ 9\text{psbss} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) & C \\ 1\text{sbee} & \frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) & C \\ 1\text{psbee} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu}b)(\bar{e}\gamma^{\mu}e) & C \\ 3\text{psbee} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) & C \\ 3\text{psbee} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) & C \\ 5\text{psbee} & \frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) & C \\$	5psbbb		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7psbbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \sigma^{\mu \nu} b) (\bar{b} \sigma_{\mu \nu} b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9psbbb	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu u\rho\sigma}b)(\bar{b}\gamma^{\mu u\rho\sigma}b)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1sbss	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} \gamma_\mu P_L b) (\bar{s} \gamma^\mu s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1psbss	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3sbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3psbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
$\begin{array}{llll} & & & & & & & & & & & & & & & & & $	5sbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}s)$	\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 $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e) \qquad \qquad C$ 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 $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb_l)(\bar{e}e) \qquad \qquad C$	5psbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}s)$	\mathbf{C}
7psbss $\frac{4\overline{G}_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}s) \qquad \qquad C$ 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 $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb_l)(\bar{e}e) \qquad \qquad C$	7sbss	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} \sigma^{\mu\nu} P_L b) (\bar{s} \sigma_{\mu\nu} s)$	\mathbf{C}
9sbss $\frac{4\overline{G}_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s) \qquad \qquad C$ 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 $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 3psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e) \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb_L)(\bar{e}e) \qquad \qquad C$	7psbss	$4G_F = \mu\nu D h = 0$	\mathbf{C}
3sbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)} \qquad \qquad C$ 3psbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)} \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$	9sbss	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
3sbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)} \qquad \qquad C$ 3psbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)} \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$	9psbss	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
3sbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)} \qquad \qquad C$ 3psbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)} \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$	1sbee	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
3sbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)} \qquad \qquad C$ 3psbee $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)} \qquad \qquad C$ 5psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$	1psbee	$rac{4 \breve{G_F}}{\sqrt{2}} (ar{s} P_L \gamma_\mu b) (ar{e} \gamma^\mu e)$	\mathbf{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 $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$ 7sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 7psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 9sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 9psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$	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 $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e) \qquad \qquad C$ 5psbee $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e) \qquad \qquad C$ 7sbee $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 7psbee $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 9sbee $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 9psbee $\frac{4\overset{G}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$	3psbee	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho} b) (\bar{e} \gamma^{\mu\nu\rho} e)$	\mathbf{C}
$\begin{array}{lll} \text{5psbee} & \frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L b) (\bar{e} e) & \text{C} \\ \\ \text{7sbee} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} e) & \text{C} \\ \\ \text{7psbee} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} e) & \text{C} \\ \\ \text{9sbee} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) & \text{C} \\ \\ \text{9psbee} & \frac{4 G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) & \text{C} \\ \end{array}$	5sbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$	\mathbf{C}
7sbee $\frac{4\overset{\sim}{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 7psbee $\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 9sbee $\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 9psbee $\frac{4\overset{\leftarrow}{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$	5psbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}e)$	\mathbf{C}
7psbee $\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e) \qquad \qquad C$ 9sbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$ 9psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad C$	7sbee	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
9sbee $\frac{4\check{G}_F^r}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad \text{C}$ 9psbee $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e) \qquad \qquad \text{C}$	7psbee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
9psbee $\frac{4\check{G}_F^r}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$ C	9sbee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
	9psbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}

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

db

WC name	Operator	Type
7gammadb	$\frac{4G_F}{\sqrt{2}}\frac{e}{g^2}m_b(\bar{d}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8gdb	$rac{4G_F}{\sqrt{2}}rac{e}{g_s^2}m_b(ar{d}P_R\sigma_{\mu u}b)F^{\mu u} \ rac{4G_F}{\sqrt{2}}rac{1}{g_s}m_b(ar{d}P_R\sigma_{\mu u}T^Ab)G_A^{\mu u} \ $	$^{\mathrm{C}}$
7pgammadb	$\frac{4G_F}{\sqrt{2}}\frac{e}{a^2}m_b(\bar{d}P_L\sigma_{\mu\nu}b)F^{\mu\nu}$	$^{\mathrm{C}}$
8pgdb	$\frac{4\tilde{G}_L^F}{\sqrt{2}}\frac{1}{q_s}m_b(\bar{d}P_L\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	$^{\mathrm{C}}$
1dbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	$^{\mathrm{C}}$
2dbuu	$\frac{4G_F}{\bar{G}_F}(\bar{d}P_P\gamma_{\cdot\cdot}T^Ab)(\bar{u}\gamma^\mu T^Au)$	$^{\mathrm{C}}$
3dbuu	$\frac{\sqrt{2}}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} b) (\bar{u}\gamma^{\mu\nu\rho} u)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} T^A b) (\bar{u}\gamma^{\mu\nu\rho} T^A u)$	$^{\mathrm{C}}$
4dbuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{u}u)$	\mathbf{C}
6dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{u}T^Au)$	$^{\mathrm{C}}$
7dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8dbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	$^{\mathrm{C}}$

WC name	Operator	Type
9dbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	С
10dbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2pdbuu	$\frac{4\tilde{\zeta}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	\mathbf{C}
3pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdbuu	$\frac{4\tilde{V}_F^2}{\sqrt{2}}(\bar{d}P_Lb)(\bar{u}u)$	\mathbf{C}
6pdbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7pdbuu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu u} b) (\bar{u} \sigma_{\mu u} u)$	\mathbf{C}
8pdbuu	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)} $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au) $	\mathbf{C}
9pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dbss	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_\mu b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
2dbss	$\frac{4\widetilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{s}\gamma^\mu T^A s)$	\mathbf{C}
3dbss	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
4dbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{s}\gamma^{\mu\nu\rho}T^As)$	$^{\mathrm{C}}$
5dbss	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_Rb)(ar{s}s)$	$^{\mathrm{C}}$
6dbss	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{s}T^As)$	$^{\mathrm{C}}$
7dbss	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R \sigma^{\mu u} b) (\overline{s} \sigma_{\mu u} s)$	\mathbf{C}
8dbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)$	$^{\mathrm{C}}$
9dbss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)}$	\mathbf{C}
10dbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)$	\mathbf{C}
1pdbss	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
2pdbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{s}\gamma^\mu T^A s)$	\mathbf{C}
3pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
4pdbss	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{s}\gamma^{\mu\nu\rho}T^As)$	$^{\mathrm{C}}$
5pdbss	$rac{4 \overset{\sim}{G_F}}{\sqrt{2}} (ar{d} P_L b) (ar{s} s)$	$^{\mathrm{C}}$
6pdbss	$\frac{4\overset{\vee}{Q_F}}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{s}T^As)$	\mathbf{C}
7pdbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{s}\sigma_{\mu\nu}s)$	\mathbf{C}
8pdbss	$\frac{4\tilde{G}_F^*}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)$	\mathbf{C}
9pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
10pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)$	\mathbf{C}
1dbcc	$rac{4\check{G}_F^r}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{c}\gamma^\mu c)$	\mathbf{C}
2dbcc	$\frac{4\check{G}_{F}^{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}T^{A}b)(\bar{c}\gamma^{\mu}T^{A}c)$	\mathbf{C}
3dbcc	$\frac{\sqrt{2}}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{s}\gamma^{\mu\nu\rho\sigma} s)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} D) (\bar{s}\gamma^{\mu\nu\rho\sigma} s)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu} b) (\bar{c}\gamma^{\mu} c)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu} T^A b) (\bar{c}\gamma^{\mu} T^A c)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} b) (\bar{c}\gamma^{\mu\nu\rho} c)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} D) (\bar{c}\gamma^{\mu\nu\rho} c)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} T^A b) (\bar{c}\gamma^{\mu\nu\rho} T^A c)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R b) (\bar{c}c)$	\mathbf{C}
4dbcc	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dbcc	$\frac{4\ddot{G}_{F}^{2}}{\sqrt{c}}(\bar{d}P_{B}b)(\bar{c}c)$	$^{\mathrm{C}}$

WC name	Operator	Type
6dbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{c}T^Ac)$	C
7dbcc	$\frac{4\tilde{G}_{F}}{\sqrt{c}}(\bar{d}P_{R}\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8dbcc	$\frac{4\overset{Q^2}{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$
9dbcc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}$	\mathbf{C}
10dbcc	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1pdbcc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu b)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2pdbcc	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu T^Ab)(ar{c}\gamma^\mu T^Ac) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{c}\gamma^{\mu u ho}c)$	$^{\mathrm{C}}$
3pdbcc	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4pdbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5pdbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{c}c)$	$^{\mathrm{C}}$
6pdbcc	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{c}T^Ac)$	\mathbf{C}
7pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8pdbcc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$	$^{\mathrm{C}}$
9pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10pdbcc	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1dbbb	$\frac{4G_{F}}{\overline{c}}(\bar{d}P_{R}\gamma_{\mu}b)(\bar{b}\gamma^{\mu}b)$	\mathbf{C}
3dbbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
5dbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{b}b)$	\mathbf{C}
7dbbb	$\frac{\frac{4\breve{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)}$	\mathbf{C}
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}
1pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{b}\gamma^\mu b)$	\mathbf{C}
3pdbbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
5pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}b)$	\mathbf{C}
7pdbbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
9pdbbb	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_{\mu\nu\rho\sigma}b)(b\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
1dbdd	$rac{4 ar{G}_F^2}{\sqrt{2}} (ar{d} \gamma_\mu P_L b) (ar{d} \gamma^\mu d)$	\mathbf{C}
1pdbdd	$ \frac{1}{\sqrt{2}} (d\gamma_{\mu} P_L b)(d\gamma^{\mu} d) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu} P_R b)(\bar{d}\gamma^{\mu} d) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_L b)(\bar{d}\gamma^{\mu\nu\rho} d) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_R b)(\bar{d}\gamma^{\mu\nu\rho} d) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_R b)(\bar{d}\gamma^{\mu\nu\rho} d) $	\mathbf{C}
3dbdd	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
3pdbdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
5dbdd	$\frac{4G_F}{\sqrt{2}}(dP_Lb)(dd)$	\mathbf{C}
5pdbdd	$AG = (\overline{A}D + 1) (\overline{A}A)$	\mathbf{C}
7dbdd	$\frac{4 \overline{G_F}}{\sqrt{2}} (ar{d}\sigma^{\mu\nu} P_L b) (ar{d}\sigma_{\mu\nu} d)$	\mathbf{C}
7pdbdd	$ \frac{\frac{4G_F}{\sqrt{2}}(dP_Rb)(dd)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d)} \\ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{d}\sigma_{\mu\nu}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)} \\ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e)} \\ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}e)} $	$^{\mathrm{C}}$
9dbdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$^{\mathrm{C}}$
9pdbdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$^{\mathrm{C}}$
1dbee	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{e}\gamma^\mu e)$	$^{\mathrm{C}}$
1pdbee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e)$	$^{\mathrm{C}}$

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

sbemu

WC name	Operator	Type
1sbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
1psbemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{s} P_L \gamma_\mu b) (\bar{e} \gamma^\mu \mu)$	$^{\mathrm{C}}$
3sbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3psbemu	$ \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)} $	$^{\mathrm{C}}$

WC name	Operator	Type
5sbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\mu)$	C
5psbemu	$\frac{4\overset{\circ}{V_{2}}}{\sqrt{2}}(\bar{s}P_{L}b)(\bar{e}\mu)$	$^{\mathrm{C}}$
7sbemu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7psbemu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9sbemu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} \mu)$	\mathbf{C}
9psbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}

sbetau

WC name	Operator	Type
1sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu au)$	C
1psbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu au)$	$^{\mathrm{C}}$
3sbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3psbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
5sbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\tau)$	$^{\mathrm{C}}$
5psbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e} au)$	\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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9sbetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	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	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (\bar{s} P_L \gamma_\mu b) (\bar{\mu} \gamma^\mu e)$	\mathbf{C}
3sbmue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3psbmue	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5sbmue	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}e)$	\mathbf{C}
5psbmue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}e)$	\mathbf{C}
7sbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7psbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
9sbmue	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9psbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	С

sbmutau

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

sbtaue

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

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	$^{\mathrm{C}}$
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	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\mu)$	$^{\mathrm{C}}$

WC name	Operator	Type
5psbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}\mu)$	C
7sbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7psbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9sbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9psbtaumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)}$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	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) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_\mu b) (\bar{e}\gamma^\mu \mu) $ $ \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) $	C
1pdbemu	$\frac{4\check{G}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}b)(\bar{e}\gamma^{\mu}\mu)$	$^{\mathrm{C}}$
3dbemu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dbemu	$rac{4G_F}{\sqrt{2}}(ar{d}P_Rb)(ar{e}\mu)$	\mathbf{C}
5pdbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{e}\mu)$	\mathbf{C}
7dbemu	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdbemu	$\frac{4G_F}{G}(dP_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9dbemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9pdbemu	$\frac{\frac{\sqrt{2}}{4G_F}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}$	\mathbf{C}

dbetau

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

dbmue

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

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	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e)}$	\mathbf{C}
3dbtaue	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdbtaue	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{ au}\gamma^{\mu u ho}e)$	\mathbf{C}
5dbtaue	$\frac{\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\tau}e)}$	\mathbf{C}

WC name	Operator	Type
5pdbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\tau}e)$	C
7dbtaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\tau}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)}$	$^{\mathrm{C}}$
7pdbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
9dbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdbtaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}$	С

${\tt dbtaumu}$

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

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	\mathbf{C}
nu1sbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1psbmumu	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1sbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	$^{\mathrm{C}}$
nu1psbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	$^{\mathrm{C}}$
nu1sbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1psbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1sbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1psbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_ au)$	$^{\mathrm{C}}$
nu1psbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_ au)$	$^{\mathrm{C}}$

WC name	Operator	Type
nu1sbtaue	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu) \end{array}$	\overline{C}
nu1psbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1sbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1psbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1sbmutau	$rac{4reve{G_F}}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1psbmutau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)}$	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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1pdbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{ u}_\mu\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1dbtautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1pdbtautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1dbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	$^{\mathrm{C}}$
nu1pdbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1dbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
nu1pdbmue	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_e)$	$^{\mathrm{C}}$
nu1dbetau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1pdbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1dbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{ u}_ au\gamma^\mu u_e)$	\mathbf{C}
nu1dbtaumu	$rac{4raket{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{ u}_ au\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdbtaumu	$rac{4reve{G}_F^{\Gamma}}{\sqrt{2}}(ar{d}P_L\gamma_{\mu}b)(ar{ u}_{ au}\gamma^{\mu} u_{\mu})$	\mathbf{C}
nu1dbmutau	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_ au)$	\mathbf{C}
nu1pdbmutau	$rac{4reve{G}_F^c}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{ u}_\mu\gamma^\mu u_ au)$	\mathbf{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	$\frac{4G_F}{\sqrt{2}}(\bar{d}_{\alpha}P_Ls_{\beta})(\bar{d}_{\beta}P_Rs_{\alpha})$	\mathbf{C}
2dsds	$rac{4 \overset{\sim}{Q_F}}{\sqrt{2}} (ar{d} P_L s) (ar{d} P_L s)$	\mathbf{C}

WC name	Operator	Type
1pdsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_R s)(\bar{d}\gamma^\mu P_R s)$	C
3dsds	$\frac{4G_F}{G}(\bar{d}_{\alpha}P_Ls_{\beta})(\bar{d}_{\beta}P_Ls_{\alpha})$	\mathbf{C}
2pdsds	$\frac{4G_F}{\sqrt{2}}(dP_Rs)(dP_Rs)$	\mathbf{C}
4dsds	$\frac{4G_F}{\sqrt{2}}(dP_L s)(dP_R s)$	\mathbf{C}
3pdsds	$rac{4G_F^2}{\sqrt{2}}(ar{d}_lpha P_R s_eta)(ar{d}_eta P_R s_lpha)$	C

usenu

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

usmunu

WC name	Operator	Type
1usmue	$rac{4G_F}{\sqrt{2}}(ar{u}P_R\gamma^\mu s)(ar{\mu}\gamma_\mu u_e)$	C
5usmue	$rac{4 ilde{G}_F^2}{\sqrt{2}}(ar{u}P_Rs)(ar{\mu} u_e) \ rac{4 ilde{G}_F}{\sqrt{2}}(ar{u}P_L\gamma^\mu s)(ar{\mu}\gamma_\mu u_e)$	\mathbf{C}
1pusmue	$\frac{4\mathring{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pusmue	$\frac{4\mathring{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\mu}\nu_e)$	\mathbf{C}
7pusmue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1usmumu	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5usmumu	$\begin{array}{l} \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}s)(\bar{\mu}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{L}\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{e}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu}) \\ \frac{4G_{F}}{\sqrt{2}}(\bar{u}P_{R}s)(\bar{\mu}\nu_{\mu}) \end{array}$	\mathbf{C}

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

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	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
1pustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	$^{\mathrm{C}}$
5pustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pustaue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5ustaumu	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
1pustaumu	$\frac{4\mathring{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pustaumu	$\frac{4\mathring{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})$	$^{\mathrm{C}}$
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	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5ustautau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
1pustautau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5pustautau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
7pustautau	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	C

csenu

WC name	Operator	Type
1csee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e)$	C
5csee	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pcsee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e)$	\mathbf{C}
5pcsee	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e) \\ \frac{4G_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e) \end{array}$	С

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

csmunu

WC name	Operator	Type
1csmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	С
5csmue	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcsmue	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pcsmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcsmue	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1csmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5csmumu	$rac{4 \check{G}_F^c}{\sqrt{2}} (\bar{c} P_R s) (\bar{\mu} u_\mu)$	\mathbf{C}
1pcsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu u_\mu)$	$^{\mathrm{C}}$
5pcsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu} u_{\mu})$	$^{\mathrm{C}}$
7pcsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1csmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5csmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{ au})$	$^{\mathrm{C}}$
1pcsmutau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{\mu} \gamma_\mu u_ au)$	\mathbf{C}
5pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu} u_{ au})$	\mathbf{C}
7pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

cstaunu

WC name	Operator	Type
1cstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e)$	С

WC name	Operator	Type
5cstaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_e)$	C
1pcstaue	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{ au}\gamma_\mu u_e)$	\mathbf{C}
5pcstaue	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau}\nu_e)$	\mathbf{C}
7pcstaue	$\frac{4\overset{Q}{G_F}}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cstaumu	$\frac{4\overset{Q^2}{N^2}}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu u_\mu)$	\mathbf{C}
5cstaumu	$\frac{4\overset{\circ}{N_{2}}}{\sqrt{2}}(\bar{c}P_{R}s)(\bar{ au} u_{\mu})$	\mathbf{C}
1pcstaumu	$\frac{4 \stackrel{\circ}{N_2}}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{\tau} \gamma_\mu \nu_\mu)$	\mathbf{C}
5pcstaumu	$\frac{4\overset{\circ}{N_{T}}}{\sqrt{2}}(\bar{c}P_{L}s)(\bar{ au} u_{\mu})$	\mathbf{C}
7pcstaumu	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cstautau	$\frac{4 \overset{\leftarrow}{Q_F}}{\sqrt{2}} (\bar{c} P_R \gamma^{\mu} s) (\bar{\tau} \gamma_{\mu} \nu_{\tau})$	\mathbf{C}
5cstautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcstautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5pcstautau	$\frac{4\overset{\zeta}{G_F}}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\tau} u_{ au})$	\mathbf{C}
7pcstautau	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	С

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	$\frac{4\vec{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{u}\gamma^\mu T^A c)$	\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	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dsuc	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}c)$	\mathbf{C}
6dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Ac)$	\mathbf{C}
7dsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	\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	$\frac{4\tilde{Q}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{u}\gamma^\mu c)$	\mathbf{C}
2pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A s)(\bar{u}\gamma^\mu T^A c)$	\mathbf{C}
3pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4pdsuc	$\frac{4\tilde{Q}_F^{\mathcal{F}}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdsuc	$\frac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(\bar{d}P_{L}s)(\bar{u}c)$	\mathbf{C}
6pdsuc	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Ac)$	\mathbf{C}
7pdsuc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}c)$	\mathbf{C}
8pdsuc	$\frac{4\ddot{G}_{F}^{2}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}T^{A}s)(\bar{u}\sigma_{\mu\nu}T^{A}c)$	$^{\mathrm{C}}$

WC name	Operator	Type
9pdsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$\overline{\mathbf{C}}$
10pdsuc	$\frac{{}^{4G_{F}}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}

sduc

WC name	Operator	Type
1dscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu u)$	C
2dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A u)$	\mathbf{C}
3dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$^{\mathrm{C}}$
5dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}u)$	\mathbf{C}
6dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Au)$	\mathbf{C}
7dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	\mathbf{C}
8dscu	$\frac{4\ddot{Q}_F^{\Gamma}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dscu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdscu	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{c} \gamma^\mu u)$	\mathbf{C}
2pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Au)$	\mathbf{C}
3pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdscu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdscu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}u)$	\mathbf{C}
6pdscu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Au)$	\mathbf{C}
7pdscu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{c}\sigma_{\mu u}u)$	\mathbf{C}
8pdscu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	\mathbf{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	$\frac{4\tilde{\chi}_{rF}^{\sigma}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^{A}u)$	\mathbf{C}

sd

WC name	Operator	Type
7gammads	$\frac{4G_F}{\sqrt{2}}\frac{e}{q^2}m_s(\bar{d}P_R\sigma_{\mu\nu}s)F^{\mu\nu}$	
8gds	$\frac{4\tilde{G}_F}{\sqrt{2}}\frac{\tilde{J}_s}{q_s}m_s(\bar{d}P_R\sigma_{\mu\nu}T^As)G_A^{\mu\nu}$	$^{\mathrm{C}}$
7pgammads	$\frac{4G_F}{\sqrt{2}}\frac{\sigma_s^2}{\sigma_s^2}m_s(\bar{d}P_L\sigma_{\mu\nu}s)F^{\mu\nu}$	$^{\mathrm{C}}$
8pgds	$\frac{4\tilde{G}_F}{\sqrt{2}}\frac{\tilde{J}_s}{q_s}m_s(\bar{d}P_L\sigma_{\mu\nu}T^As)G_A^{\mu\nu}$	$^{\mathrm{C}}$
1dsuu	$\begin{split} &\frac{4G_F}{\sqrt{2}} \frac{e}{g_s^2} m_s (\bar{d}P_R \sigma_{\mu\nu} s) F^{\mu\nu} \\ &\frac{4G_F}{2} \frac{1}{g_s} m_s (\bar{d}P_R \sigma_{\mu\nu} T^A s) G_A^{\mu\nu} \\ &\frac{4G_F}{\sqrt{2}} \frac{e}{g_s^2} m_s (\bar{d}P_L \sigma_{\mu\nu} s) F^{\mu\nu} \\ &\frac{4G_F}{\sqrt{2}} \frac{1}{g_s} m_s (\bar{d}P_L \sigma_{\mu\nu} T^A s) G_A^{\mu\nu} \\ &\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu} s) (\bar{u} \gamma^{\mu} u) \end{split}$	$^{\mathrm{C}}$

WC name	Operator	Type
2dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{u}\gamma^\mu T^A u)$	С
3dsuu	$\frac{4G_F}{G}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	\mathbf{C}
6dsuu	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Au)$	\mathbf{C}
7dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8dsuu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dsuu	$\frac{\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)}$	\mathbf{C}
10dsuu	$\frac{4\tilde{Q}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdsuu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2pdsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A s)(\bar{u}\gamma^\mu T^A u)$	\mathbf{C}
3pdsuu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)}$	$^{\mathrm{C}}$
4pdsuu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u)$	\mathbf{C}
6pdsuu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au)$	\mathbf{C}
7pdsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{u}\sigma_{\mu u}u)$	\mathbf{C}
8pdsuu	$\frac{\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)}$	$^{\mathrm{C}}$
9pdsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	$^{\mathrm{C}}$
10pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	$^{\mathrm{C}}$
1dscc	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{c}\gamma^\mu c)$	$^{\mathrm{C}}$
2dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$	$^{\mathrm{C}}$
3dscc	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dscc	$\frac{\sqrt[4]{2}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}c)$	$^{\mathrm{C}}$
6dscc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)$	$^{\mathrm{C}}$
7dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8dscc	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \sigma^{\mu\nu} T^A s) (\bar{c} \sigma_{\mu\nu} T^A c)$	\mathbf{C}
9dscc	$\frac{\frac{4\ddot{G}_{F}^{F}}{\sqrt{2}}(\bar{d}P_{R}\sigma^{\mu\nu}T^{A}s)(\bar{c}\sigma_{\mu\nu}T^{A}c)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$	$^{\mathrm{C}}$
10dscc	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1pdscc	$\frac{4\breve{G}_F^c}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2pdscc	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3pdscc	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} s) (\bar{c} \gamma^{\mu\nu\rho} c)$	\mathbf{C}
4pdscc	$ \frac{\sqrt{2}}{4G_F} (\bar{d}P_L\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu\nu\rho}c) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_Ls)(\bar{c}c) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_LT^As)(\bar{c}T^Ac) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac) $	\mathbf{C}
5pdscc	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}c)$	\mathbf{C}
6pdscc	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	\mathbf{C}
7pdscc	$\frac{4 \bar{G_F}}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu \nu} s) (\bar{c} \sigma_{\mu \nu} c)$	\mathbf{C}
8pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$

WC name	Operator	Type
9pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	C
10pdscc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)}$	\mathbf{C}
1dsss	$rac{4igvee_{GF}^{Z}}{\sqrt{2}}(ar{d}P_{R}\gamma_{\mu}s)(ar{s}\gamma^{\mu}s)$	\mathbf{C}
3dsss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	\mathbf{C}
5dsss	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R s) (\bar{s} s)$	\mathbf{C}
7dsss	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
9dsss	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1pdsss	$rac{4Q_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{s}\gamma^\mu s)$	\mathbf{C}
3pdsss	$\frac{4 \stackrel{Q}{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} s) (\bar{s} \gamma^{\mu\nu\rho} s)$	\mathbf{C}
5pdsss	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (\bar{d}P_L s)(\bar{s}s)$	\mathbf{C}
7pdsss	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
9pdsss	$ \frac{\sqrt{2}}{\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}P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{d}\gamma^{\mu} d) \\ \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) $	\mathbf{C}
1dsdd	$\frac{4 \overleftarrow{Q_F}}{\sqrt{2}} (\bar{d} \gamma_\mu P_L s) (\bar{d} \gamma^\mu d)$	\mathbf{C}
1pdsdd	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d}\gamma_\mu P_R s) (\bar{d}\gamma^\mu d)$	\mathbf{C}
3dsdd	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} \gamma_{\mu\nu\rho} P_L s) (\bar{d} \gamma^{\mu\nu\rho} d)$	\mathbf{C}
3pdsdd	$\frac{4Q_F^2}{\sqrt{2}}(ar{d}\gamma_{\mu u ho}P_Rs)(ar{d}\gamma^{\mu u ho}d)$	\mathbf{C}
5dsdd	$rac{4rac{Q}F}{\sqrt{2}}(ar{d}P_Ls)(ar{d}d)$	\mathbf{C}
5pdsdd	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d)$	\mathbf{C}
7dsdd	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d}\sigma^{\mu\nu} P_L s) (ar{d}\sigma_{\mu\nu} d)$	\mathbf{C}
7pdsdd	$\frac{\frac{4G_F^2}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Rs)(\bar{d}\sigma_{\mu\nu}d)}{\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
9dsdd	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} \gamma_{\mu\nu\rho\sigma} P_L s) (\overline{d} \gamma^{\mu\nu\rho\sigma} d)$	\mathbf{C}
9pdsdd	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
1dsbb	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_\mu s)(b\gamma^\mu b)$	\mathbf{C}
2dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{b}\gamma^\mu T^A b)$	\mathbf{C}
3dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
4dsbb	$\frac{4\dot{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab)$	\mathbf{C}
5dsbb	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_Rs)(ar{b}b)$	\mathbf{C}
6dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{b}T^Ab)$	\mathbf{C}
7dsbb	$4\ddot{G}_F(\bar{J}D, \sigma\mu\nu_{\alpha})(\bar{b}\sigma, b)$	\mathbf{C}
8dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)$	\mathbf{C}
9dsbb	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho\sigma} s) (\bar{b} \gamma^{\mu\nu\rho\sigma} b)$	\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{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{b}\gamma^\mu b)$	\mathbf{C}
2pdsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{b}\gamma^\mu T^Ab)$	\mathbf{C}
3pdsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
4pdsbb	$ \frac{\sqrt{2}}{\sqrt{2}}(dP_R\sigma^{\nu}s)(b\delta_{\mu\nu}b) $ $ \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) $ $ \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) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{b}\gamma^{\mu}b) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^As)(\bar{b}\gamma^{\mu}T^Ab) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab) $	\mathbf{C}
5pdsbb	$\frac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(\bar{d}P_{L}s)(\bar{b}b)$	\mathbf{C}

WC name	Operator	Type
6pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{b}T^Ab)$	C
7pdsbb	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
8pdsbb	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)$	\mathbf{C}
9pdsbb	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
10pdsbb	$ \frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)} \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{b}\gamma^{\mu\nu\rho\sigma}T^Ab) $	\mathbf{C}
1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu e)$	\mathbf{C}
1pdsee	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)}$	\mathbf{C}
3dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3pdsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dsee	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}e)$	\mathbf{C}
5pdsee	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{d}P_L s)(\bar{e}e)$	\mathbf{C}
7dsee	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdsee	$\frac{\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)}$	\mathbf{C}
9dsee	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsee	$\frac{4 \stackrel{VG_F}{\sqrt{2}}}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{e} \gamma^{\mu\nu\rho\sigma} e)$	\mathbf{C}
1dsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu\mu)$	\mathbf{C}
1pdsmumu	$rac{4 \stackrel{YG_F}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{\mu} \gamma^\mu \mu)}{\sqrt{2}} rac{4 \stackrel{G_F}{\sqrt{2}} (ar{d} P_R \gamma_{\mu u ho} s) (ar{\mu} \gamma^{\mu u ho} \mu)}{2}$	\mathbf{C}
3dsmumu	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdsmumu	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{\mu}\gamma^{\mu u ho}\mu)$	\mathbf{C}
5dsmumu	$rac{4\ddot{G}_F}{\sqrt{2}}(ar{d}P_Rs)(ar{\mu}\mu)$	\mathbf{C}
5pdsmumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu}\mu)$	\mathbf{C}
7dsmumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsmumu	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
9dsmumu	$\frac{\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)}$	\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	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu au)$	\mathbf{C}
1pdstautau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ au}\gamma^\mu au) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{ au}\gamma^{\mu u ho} au)$	\mathbf{C}
3dstautau	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu u ho}s)(\bar{ au}\gamma^{\mu u ho} au)$	\mathbf{C}
3pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5dstautau	$rac{4 {ar G_F}}{\sqrt{2}} (ar d P_R s) (ar au au)$	\mathbf{C}
5pdstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau} au)$	\mathbf{C}
7dstautau	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u} au)$	\mathbf{C}
7pdstautau	$rac{4 ilde{G}_{F}^{F}}{\sqrt{2}} (ar{d}P_{L}\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u} au)$	\mathbf{C}
9dstautau	$rac{4\ddot{G}_{F}^{F}}{\sqrt{2}}(ar{d}P_{R}\gamma_{\mu u ho\sigma}s)(ar{ au}\gamma^{\mu u ho\sigma} au)$	\mathbf{C}
9pdstautau	$ \frac{4G_F}{\sqrt{2}}(dP_R s)(\tau \tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\tau}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu} s)(\bar{\tau}\sigma_{\mu\nu}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L \sigma^{\mu\nu} s)(\bar{\tau}\sigma_{\mu\nu}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau) \frac{4G_F}{\sqrt{2}}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau) $	\mathbf{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	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}\mu)$	$^{\mathrm{C}}$
5pdsemu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}\mu)$	$^{\mathrm{C}}$
7dsemu	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_R \sigma^{\mu u} s) (ar{e} \sigma_{\mu u} \mu)$	$^{\mathrm{C}}$
7pdsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	\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	$\frac{4\tilde{G}_F^F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	С

sdtaue

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

sdemu

WC name	Operator	Type
1dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	C
1pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\mu}\gamma^\mu e)$	\mathbf{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	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}e)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}e)$	\mathbf{C}

WC name	Operator	Type
5pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu}e)$	C
7dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\mu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu} s)(\bar{\mu}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
9dsmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsmue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)}$	C

${\tt sdtaumu}$

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

sdetau

WC name	Operator	Type
1dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	C
1pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	$^{\mathrm{C}}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5dstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\tau}e)$	$^{\mathrm{C}}$
5pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{\tau}e)$	\mathbf{C}
7dstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
9dstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdstaue	$\frac{{}^{4}\!\check{G}_{F}^{\sigma}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e) \frac{{}^{4}\!G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	С

sdmutau

WC name	Operator	Type
1dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)$	\overline{C}
1pdstaumu	$rac{4Q_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ au}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dstaumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} s) (\bar{\tau} \gamma^{\mu\nu\rho} \mu)$	$^{\mathrm{C}}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{ au}\mu)$	$^{\mathrm{C}}$
5pdstaumu	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau}\mu)$	$^{\mathrm{C}}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	С

sdnunu

WC name	Operator	Type
nu1dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
nu1pdsee	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{\nu}_e \gamma^\mu \nu_e)$	\mathbf{C}
nu1dsmumu	$rac{4reve{Q_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1dstautau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_ au)$	\mathbf{C}
nu1pdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu u_ au)$	\mathbf{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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdsmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1dsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1pdsetau	$\frac{4 \widetilde{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{ u}_e \gamma^\mu u_ au)$	\mathbf{C}
nu1dstaue	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	\mathbf{C}
nu1pdstaue	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_e)$	\mathbf{C}
nu1dstaumu	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdstaumu	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_ au \gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmutau	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_R \gamma_\mu s) (ar{ u}_\mu \gamma^\mu u_ au)$	\mathbf{C}
nu1pdsmutau	$rac{4 \overleftarrow{G}_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	$\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_L u)(\bar{c}\gamma^\mu P_L u)$	
5cucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})$	\mathbf{C}
2cucu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu)$	\mathbf{C}
1pcucu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})}{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu)}$ $\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_{\mu}P_Ru)(\bar{c}\gamma^{\mu}P_Ru)$	$^{\mathrm{C}}$
3cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})$	\mathbf{C}
2pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)$	\mathbf{C}
4cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)$	\mathbf{C}
Зрсиси	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha})}{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)}{\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Ru_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha})}$	$^{\mathrm{C}}$