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	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Lb)$	$^{\mathrm{C}}$
1psbsb	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}P_Lb)}{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu}P_Rb)(\bar{s}\gamma^{\mu}P_Rb)}$ $\frac{4G_F}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Lb_{\alpha})$	$^{\mathrm{C}}$
3sbsb	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Lb_{\alpha})$	$^{\mathrm{C}}$
2psbsb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}P_Rb)$	\mathbf{C}
4sbsb	$\frac{4\tilde{G}_F}{\sqrt{s}}(\bar{s}P_Lb)(\bar{s}P_Rb)$	\mathbf{C}
3psbsb	$\frac{\sqrt{2}}{\sqrt{2}}(\bar{s}_{\alpha}P_{R}b_{eta})(\bar{s}_{eta}P_{R}b_{lpha})$	$^{\mathrm{C}}$

dbdb

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

ubenu

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

ubtaunu

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

udenu

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

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

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

cdenu

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

${\tt cdmunu}$

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

${\tt cdtaunu}$

WC name	Operator	Type
1cdtaue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	C
5cdtaue	$\frac{4G_F^2}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcdtaue	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_e)$	\mathbf{C}
5pcdtaue	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pcdtaue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cdtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu u_\mu)$	$^{\mathrm{C}}$
5cdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau} u_\mu)$	$^{\mathrm{C}}$
7pcdtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu d)(\bar{\tau}\gamma_\mu\nu_ au)$	$^{\mathrm{C}}$
5cdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rd)(\bar{\tau}\nu_{\tau})$	$^{\mathrm{C}}$
1pcdtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu d)(\bar{\tau}\gamma_\mu \nu_ au)$	$^{\mathrm{C}}$
5pcdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ld)(\bar{\tau} u_{ au})$	$^{\mathrm{C}}$
7pcdtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}d)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	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	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_e)$	\mathbf{C}
1pcbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcbee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_e)$	\mathbf{C}
7pcbee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5cbemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcbemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5cbetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{e}\nu_{\tau})$	$^{\mathrm{C}}$
1pcbetau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pcbetau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L b) (\bar{e} \nu_\tau)$	$^{\mathrm{C}}$
7pcbetau	$rac{4 \check{G}_F}{\sqrt{2}} (ar{c} P_L \sigma^{\mu u} b) (ar{e} \sigma_{\mu u} u_ au)$	С

${\tt cbmunu}$

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	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcbmue	$\frac{4\widetilde{G}_F^c}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pcbmue	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cbmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu u_\mu)$	$^{\mathrm{C}}$
5cbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
1pcbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu u_\mu)$	$^{\mathrm{C}}$
5pcbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
7pcbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{ au})$	$^{\mathrm{C}}$
5cbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
1pcbmutau	$\frac{4\tilde{G_F}}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu u_ au)$	$^{\mathrm{C}}$
5pcbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\mu} u_{ au})$	$^{\mathrm{C}}$
7pcbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	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	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{c}P_Rb)(\bar{ au} u_e)$	\mathbf{C}
1pcbtaue	$rac{4\widetilde{G}_F^c}{\sqrt{2}}(ar{c}P_L\gamma^\mu b)(ar{ au}\gamma_\mu u_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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu \nu_\mu)$	$^{\mathrm{C}}$
5cbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
1pcbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu \nu_\mu)$	$^{\mathrm{C}}$
5pcbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
7pcbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1cbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5cbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rb)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pcbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu \nu_ au)$	$^{\mathrm{C}}$
5pcbtautau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{c}P_Lb)(\bar{\tau} u_{ au})$	$^{\mathrm{C}}$
7pcbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{ au})$	C

sbuc

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

sbcu

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

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

dbuc

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

dbcu

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

dbds

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

sb

WC name	Operator	Type
7gammasb	$\frac{4G_F}{\sqrt{2}}\frac{e}{g^2}m_b(\bar{s}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8gsb	$\frac{4Q_A^2}{\sqrt{2}}\frac{g_s}{g_s}m_b(\bar{s}P_R\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	\mathbf{C}
7pgammasb	$\frac{4G_F}{\sqrt{2}}\frac{g}{q_z^2}m_b(\bar{s}P_L\sigma_{\mu\nu}b)F^{\mu\nu}$	\mathbf{C}
8pgsb	$\frac{4\tilde{G}_F}{\sqrt{2}}\frac{J_s}{a_s}m_b(\bar{s}P_L\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	\mathbf{C}
1sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	\mathbf{C}
3sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{u}u)$	\mathbf{C}
6sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_RT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10sbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	$^{\mathrm{C}}$
1psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{u}\gamma^\mu u)$	$^{\mathrm{C}}$
2psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	$^{\mathrm{C}}$
3psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{u}u)$	\mathbf{C}
6psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7psbuu	$\frac{4\widetilde{G_F}}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8psbuu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
9psbuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}

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

WC name	Operator	Type
7psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	С
8psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
9psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10psbcc	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1sbbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(b\gamma^\mu b)$	\mathbf{C}
3sbbb	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_R\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
5sbbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{b}b)$	\mathbf{C}
7sbbb	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)}$	$^{\mathrm{C}}$
9sbbb	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_R\gamma_{\mu u ho\sigma}b)(ar{b}\gamma^{\mu u ho\sigma}b)$	$^{\mathrm{C}}$
1psbbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(b\gamma^\mu b)$	\mathbf{C}
3psbbb	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
5psbbb	4C - (-p 1) (ī1)	\mathbf{C}
7psbbb	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(bb)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)}$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
9psbbb	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
1sbss	$rac{4G_F}{\sqrt{2}}(ar{s}\gamma_\mu P_L b)(ar{s}\gamma^\mu s)$	\mathbf{C}
1psbss	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}\gamma_\mu P_R b)(ar{s}\gamma^\mu s)$	$^{\mathrm{C}}$
3sbss	$rac{4G_F^2}{\sqrt{2}}(ar{s}\gamma_{\mu u ho}P_Lb)(ar{s}\gamma^{\mu u ho}s)$	\mathbf{C}
3psbss	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}\gamma_{\mu u ho}P_Rb)(ar{s}\gamma^{\mu u ho}s)$	\mathbf{C}
5sbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{s}s)$	\mathbf{C}
5psbss	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{s}s)$	\mathbf{C}
7sbss	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}\sigma^{\mu u}P_Lb)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
7psbss	$\frac{4G_F}{\sqrt{2}}(ar{s}\sigma^{\mu u}P_Rb)(ar{s}\sigma_{\mu u}s)$	\mathbf{C}
9sbss	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
9psbss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}s)}{\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$ $\frac{4G_F}{\sqrt{2}}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
1psbee	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{e}\gamma^\mu e)$	\mathbf{C}
3sbee	$\frac{4 \overleftarrow{S}_F^2}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho} b) (\bar{e} \gamma^{\mu\nu\rho} e)$	\mathbf{C}
3psbee	$\frac{4G_F^c}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$	\mathbf{C}
5sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}e)$	\mathbf{C}
5psbee	$\frac{4G_F}{\sqrt{s}}(\bar{s}P_Lb)(\bar{e}e)$	\mathbf{C}
7sbee	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_R\sigma^{\mu u}b)(ar{e}\sigma_{\mu u}e)$	\mathbf{C}
7psbee	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_L\sigma^{\mu u}b)(ar{e}\sigma_{\mu u}e)$	\mathbf{C}
9sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9psbee	$ \frac{4G_F}{\sqrt{2}} (\bar{s} P_R \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{s} P_L \sigma^{\mu\nu} b) (\bar{e} \sigma_{\mu\nu} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{e} \gamma^{\mu\nu\rho\sigma} e) \\ \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}
1sbmumu	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	\mathbf{C}
1psbmumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu \mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu \mu)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)}$	\mathbf{C}
3sbmumu	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}

WC name	Operator	Type
3psbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
5sbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}\mu)$	\mathbf{C}
5psbmumu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}\mu)$	$^{\mathrm{C}}$
7sbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7psbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9sbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9psbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
1sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	$^{\mathrm{C}}$
1psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu au)$	$^{\mathrm{C}}$
3sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
3psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$
5sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\tau)$	$^{\mathrm{C}}$
5psbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau} au)$	$^{\mathrm{C}}$
7sbtautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7psbtautau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
9sbtautau	$\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{s}P_{R}\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9psbtautau	$rac{4Q_F^2}{\sqrt{2}}(ar{s}P_L\gamma_{\mu u ho\sigma}b)(ar{ au}\gamma^{\mu u ho\sigma} au)$	$^{\mathrm{C}}$

db

WC name	Operator	Type
7gammadb	$\frac{4G_F}{\sqrt{2}}\frac{e}{g_s^2}m_b(\bar{d}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	С
8gdb	$\frac{4G_F}{\sqrt{2}}\frac{1}{g_a}m_b(\bar{d}P_R\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	\mathbf{C}
7pgammadb	$rac{4\widetilde{G}_F^2}{\sqrt{2}}rac{e}{q^2}m_b(ar{d}P_L\sigma_{\mu u}b)F^{\mu u}$	\mathbf{C}
8pgdb	$rac{4G_F^2}{\sqrt{2}}rac{q}{a_s}^{S_s}m_b(ar{d}P_L\sigma_{\mu u}T^Ab)G_A^{\mu u}$	\mathbf{C}
1dbuu	$\frac{4\widetilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}b)(\bar{u}\gamma^{\mu}u)$	\mathbf{C}
2dbuu	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}T^{A}b)(\bar{u}\gamma^{\mu}T^{A}u)$	\mathbf{C}
3dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dbuu	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{u}u)$	\mathbf{C}
6dbuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{u}T^Au)$	\mathbf{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	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dbuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdbuu	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu}b)(\bar{u}\gamma^{\mu}u)$	\mathbf{C}
2pdbuu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	\mathbf{C}

WC name	Operator	Type
3pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	С
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	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_Lb)(\bar{u}u)$	\mathbf{C}
6pdbuu	$\frac{4\check{G}_F^2}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7pdbuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdbuu	$ \frac{\frac{4G_F^2}{\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	$\frac{4\overset{AG_F}{f}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdbuu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dbss	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{s}\gamma^\mu s)$	\mathbf{C}
2dbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{s}\gamma^\mu T^A s)$	\mathbf{C}
3dbss	$\frac{\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{s}\gamma^{\mu\nu\rho}s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{s}\gamma^{\mu\nu\rho}T^As)}$	\mathbf{C}
4dbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{s}\gamma^{\mu\nu\rho}T^As)$	$^{\mathrm{C}}$
5dbss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{s}s)$	\mathbf{C}
6dbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{s}T^As)$	\mathbf{C}
7dbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{s}\sigma_{\mu\nu}s)$	\mathbf{C}
8dbss	$\frac{\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)}$	\mathbf{C}
9dbss	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
10dbss	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)$	\mathbf{C}
1pdbss	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{s}\gamma^\mu s)$	\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	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{s}\gamma^{\mu\nu\rho}s)$	$^{\mathrm{C}}$
4pdbss	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}T^Ab)(ar{s}\gamma^{\mu u ho}T^As)$	\mathbf{C}
5pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{s}s)$	$^{\mathrm{C}}$
6pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{s}T^As)$	$^{\mathrm{C}}$
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	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{s}\sigma_{\mu\nu}T^As)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)}$	$^{\mathrm{C}}$
9pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
10pdbss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{s}\gamma^{\mu\nu\rho\sigma}T^As)$	\mathbf{C}
1dbcc	$rac{4 \breve{G_F}}{\sqrt{2}} (ar{d} P_R \gamma_\mu b) (ar{c} \gamma^\mu c)$	\mathbf{C}
2dbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
3dbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dbcc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{c}c)$	\mathbf{C}
6dbcc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^Ab)(\bar{c}T^Ac)$	\mathbf{C}
7dbcc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8dbcc	$\frac{\frac{2G_F}{\sqrt{2}}(dP_R\gamma_\mu b)(c\gamma^\mu c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^A b)(\bar{c}\gamma^{\mu\nu\rho}T^A c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R b)(\bar{c}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R T^A b)(\bar{c}T^A c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}T^A c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \sigma^{\mu\nu}T^A b)(\bar{c}\sigma_{\mu\nu}T^A c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)}$	\mathbf{C}
9dbcc	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$

WC name	Operator	Type
10dbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C
1pdbcc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)}$	\mathbf{C}
2pdbcc	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
3pdbcc	$\frac{4\overset{QG}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4pdbcc	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdbcc	$rac{4\overset{\circ}{\mathcal{G}_F}}{\sqrt{2}}(ar{d}P_Lb)(ar{c}c)$	\mathbf{C}
6pdbcc	$\frac{4\tilde{\chi}_F^2}{\sqrt{2}}(\bar{d}P_LT^Ab)(\bar{c}T^Ac)$	\mathbf{C}
7pdbcc	$rac{4 \overset{\circ}{\nabla}_F^2}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} b) (ar{c} \sigma_{\mu u} c)$	\mathbf{C}
8pdbcc	$\frac{4\overset{\circ}{\nabla_{E}}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}T^{A}b)(\bar{c}\sigma_{\mu\nu}T^{A}c)$	\mathbf{C}
9pdbcc	$\frac{4G_F}{G}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10pdbcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1dbbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{b}\gamma^\mu b) \ rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
3dbbb	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
5dbbb	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_Rb)(\bar{b}b)$	\mathbf{C}
7dbbb	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
9dbbb	$\frac{4G_F}{\bar{c}}(\bar{d}P_B\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
1pdbbb	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{b}\gamma^\mu b) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{b}\gamma^\mu b) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
3pdbbb	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
5pdbbb	$\frac{4\ddot{Q}_F^2}{\sqrt{2}}(\bar{d}P_Lb)(\bar{b}b)$	\mathbf{C}
7pdbbb	$\frac{4\overleftarrow{Q}_{F}^{\sigma}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
9pdbbb	$\frac{4 \stackrel{Q}{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu u ho \sigma} b) (\bar{b} \gamma^{\mu u ho \sigma} b)$	\mathbf{C}
1dbdd	$\frac{4G_F}{d}(\bar{d}_{2}, P_r h)(\bar{d}_{2}, \mu_d)$	\mathbf{C}
1pdbdd	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}\gamma_{\mu}P_{L}b)(ar{d}\gamma^{\mu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu}P_{R}b)(ar{d}\gamma^{\mu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu\rho}P_{L}b)(ar{d}\gamma^{\mu\nu\rho}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu\rho}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b)(ar{d}\gamma^{\mu\nu}d) = rac{4G_{F}}{\sqrt{2}}(ar{d}\gamma_{\mu\nu}P_{L}b$	\mathbf{C}
3dbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
3pdbdd	$\frac{4 \stackrel{Q}{G_F}}{\sqrt{2}} (ar{d} \gamma_{\mu u ho} P_R b) (ar{d} \gamma^{\mu u ho} d)$	\mathbf{C}
5dbdd	$\frac{4\overset{\circ}{N_F}}{\sqrt{2}}(\bar{d}P_Lb)(\bar{d}d)$	\mathbf{C}
5pdbdd	$\frac{4\overset{\circ}{V_{2}}}{\sqrt{2}}(\bar{d}P_{R}b)(\bar{d}d)$	\mathbf{C}
7dbdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{d}\sigma_{\mu\nu}d)$	$^{\mathrm{C}}$
7pdbdd	$4G_F(\bar{J}\mu\nu D_{-1})(\bar{J}J)$	\mathbf{C}
9dbdd	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
9pdbdd	$\frac{4\dot{Q}_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
1dbee	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	\mathbf{C}
1pdbee	$ \frac{\sqrt{2}}{\sqrt{2}} (d\sigma^{\prime} F_R \theta) (d\sigma_{\mu\nu} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho\sigma} P_L b) (\bar{d}\gamma^{\mu\nu\rho\sigma} d) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho\sigma} P_R b) (\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{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu} b) (\bar{e}\gamma^{\mu} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} b) (\bar{e}\gamma^{\mu\nu\rho} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho} b) (\bar{e}\gamma^{\mu\nu\rho} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R b) (\bar{e}e) \\ 4G_F (\bar{d}P_F b) (\bar{e}e) $	\mathbf{C}
3dbee	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
3pdbee	$\frac{4\overset{Y}{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu u ho}b)(\bar{e}\gamma^{\mu u ho}e)$	$^{\mathrm{C}}$
5dbee	$\frac{4\overset{Y}{G_F}}{\overset{Y}{\sqrt{2}}}(ar{d}P_Rb)(ar{e}e)$	$^{\mathrm{C}}$
5pdbee	$\frac{4Q_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{e}e)$	\mathbf{C}

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

WC name	Operator	Type
9psbemu	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

sbetau

WC name	Operator	Type
1sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\tau)$	C
1psbetau	$rac{4ar{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{e}\gamma^\mu au)$	\mathbf{C}
3sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
5sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{e}\tau)$	\mathbf{C}
5psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{e}\tau)$	\mathbf{C}
7sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
7psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9sbetau	$\frac{4\bar{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9psbetau	$\frac{{}^{4G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$ $\frac{{}^{4G_F}}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}

sbmue

WC name	Operator	Type
1sbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	\overline{C}
1psbmue	$rac{4reve{G_F}}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{\mu}\gamma^\mu e)$	\mathbf{C}
3sbmue	$\frac{4G_F}{\sqrt{s}}(\bar{s}P_B\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
3psbmue	$\frac{4G_F}{\overline{c}}(\bar{s}P_I\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5sbmue	$\frac{4G_F}{G}(\bar{s}P_Rb)(\bar{\mu}e)$	\mathbf{C}
5psbmue	$rac{\sqrt{2}}{\sqrt{2}}(ar{s}P_Lb)(ar{\mu}e)$	\mathbf{C}
7sbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\mathbf{C}
7psbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	\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	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	$^{\mathrm{C}}$

${\tt sbmutau}$

WC name	Operator	Type
1sbmutau	$rac{4G_F}{\sqrt{2}}(ar{s}P_R\gamma_\mu b)(ar{\mu}\gamma^\mu au)$	С
1psbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	\mathbf{C}
3sbmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu u ho}b)(\bar{\mu}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$

WC name	Operator	Type
3psbmutau	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau) \end{array}$	C
5sbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
5psbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
7sbmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7psbmutau	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	\mathbf{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	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)}$	С

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	\mathbf{C}
3sbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
3psbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5sbtaue	$\frac{4\ddot{G}_{F}}{\bar{G}}(\bar{s}P_{R}b)(\bar{\tau}e)$	\mathbf{C}
5psbtaue	$rac{4G_F}{\sqrt{2}}(ar{s}P_Lb)(ar{ au}e)$	\mathbf{C}
7sbtaue	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	\mathbf{C}
7psbtaue	$rac{4reve{G_F}}{\sqrt{2}}(ar{s}P_L\sigma^{\mu u}b)(ar{ au}\sigma_{\mu u}e)$	\mathbf{C}
9sbtaue	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9psbtaue	$\begin{array}{l} \frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e) \\ \frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e) \end{array}$	$^{\mathrm{C}}$

${\tt sbtaumu}$

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3psbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5sbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Rb)(\bar{\tau}\mu)$	$^{\mathrm{C}}$
5psbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_Lb)(\bar{\tau}\mu)$	$^{\mathrm{C}}$
7sbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7psbtaumu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9sbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9psbtaumu	$\frac{4G_F}{\sqrt{2}} (\bar{s} P_R \gamma_{\mu\nu\rho\sigma} b) (\bar{\tau} \gamma^{\mu\nu\rho\sigma} \mu) \frac{4G_F}{\sqrt{2}} (\bar{s} P_L \gamma_{\mu\nu\rho\sigma} b) (\bar{\tau} \gamma^{\mu\nu\rho\sigma} \mu)$	C

dbemu

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

dbetau

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

dbmue

WC name	Operator	Type
1dbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
1pdbmue	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu b)(ar{\mu}\gamma^\mu e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{\mu}\gamma^\mu e)$	$^{\mathrm{C}}$
3dbmue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
3pdbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5dbmue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\mu}e)$	$^{\mathrm{C}}$
5pdbmue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\mu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\mu}e)$	$^{\mathrm{C}}$

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

dbmutau

WC name	Operator	Type
1dbmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu au)$	C
1pdbmutau	$rac{4\overset{YG_F}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_L\gamma_\mu b)(ar{\mu}\gamma^\mu au)$	\mathbf{C}
3dbmutau	$\frac{4\ddot{G}_{F}}{G}(\bar{d}P_{R}\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdbmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}b)(ar{\mu}\gamma^{\mu u ho} au)$	\mathbf{C}
5dbmutau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\mu} au)$	\mathbf{C}
5pdbmutau	$\frac{4\overleftarrow{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\mu} au)$	\mathbf{C}
7dbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu u}b)(\bar{\mu}\sigma_{\mu u} au)$	\mathbf{C}
7pdbmutau	$\frac{4 \overleftarrow{G}_F}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu \nu} b) (\bar{\mu} \sigma_{\mu \nu} \tau)$	\mathbf{C}
9dbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdbmutau	$ \frac{4G_F}{\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) $	\mathbf{C}

dbtaue

WC name	Operator	Type
1dbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
1pdbtaue	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_\mu b) (\bar{\tau} \gamma^\mu e)$	$^{\mathrm{C}}$
3dbtaue	$\frac{\frac{4\breve{G}_F^c}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)}$	$^{\mathrm{C}}$
3pdbtaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	$^{\mathrm{C}}$
5dbtaue	$\frac{4G_F}{\sqrt{2}}(ar{d}P_Rb)(ar{ au}e)$	\mathbf{C}
5pdbtaue	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{ au}e)$	\mathbf{C}
7dbtaue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdbtaue	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
9dbtaue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdbtaue	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}$	$^{\mathrm{C}}$

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	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	$^{\mathrm{C}}$
3dbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
3pdbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dbtaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rb)(\bar{\tau}\mu)$	$^{\mathrm{C}}$
5pdbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Lb)(\bar{\tau}\mu)$	$^{\mathrm{C}}$
7dbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
7pdbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9dbtaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdbtaumu	$\frac{\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)}{\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)}$	С

${\tt sbnunu}$

WC name	Operator	Type
nu1sbee	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	С
nu1psbee	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	\mathbf{C}
nu1sbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1psbmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	\mathbf{C}
nu1sbtautau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_ au)$	\mathbf{C}
nu1psbtautau	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu u_ au)$	\mathbf{C}
nu1sbemu	$\frac{4G_F^2}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1psbemu	$rac{4G_F^2}{\sqrt{2}}(ar{s}P_L\gamma_\mu b)(ar{ u}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1sbmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1psbmue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	\mathbf{C}
nu1sbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_ au)$	\mathbf{C}
nu1psbetau	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_ au)$	\mathbf{C}
nu1sbtaue	$\frac{4G_F}{\sqrt{2}}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	$^{\mathrm{C}}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{ u}_ au\gamma^\mu u_\mu)$	\mathbf{C}
nu1sbmutau	$\frac{4 \stackrel{\circ}{G_F}}{\sqrt{2}} (\bar{s} P_R \gamma_\mu b) (\bar{\nu}_\mu \gamma^\mu \nu_ au)$	\mathbf{C}
nu1psbmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu u_ au)$	\mathbf{C}

dbnunu

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

sdsd

WC name	Operator	Type
1dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_L s)(\bar{d}\gamma^\mu P_L s)$	C
5dsds	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_L s)(ar{d}\gamma^\mu P_L s) \ rac{4G_F}{\sqrt{2}}(ar{d}_lpha P_L s_eta)(ar{d}_eta P_R s_lpha)$	\mathbf{C}
2dsds	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}P_Ls)$	$^{\mathrm{C}}$
1pdsds	$rac{4G_F^c}{\sqrt{2}}(ar{d}P_L s)(ar{d}P_L s) \ rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_R s)(ar{d}\gamma^\mu P_R s)$	$^{\mathrm{C}}$
3dsds	$\frac{4G_F}{d}$ $(\bar{d}_{\alpha}P_{TS\alpha})(\bar{d}_{\alpha}P_{TS\alpha})$	$^{\mathrm{C}}$
2pdsds	$\frac{4G_F}{\bar{c}}(\bar{d}P_{PS})(\bar{d}P_{PS})$	$^{\mathrm{C}}$
4dsds	$\frac{4G_F}{\sqrt{2}}(dP_L s)(dP_R s)$	$^{\mathrm{C}}$
3pdsds	$rac{4\overset{\sim}{G_F}}{\sqrt{2}}(ar{d}_lpha P_R s_eta)(ar{d}_eta P_R s_lpha)$	C

usenu

WC name	Operator	Type
1usee	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	\overline{C}
5usee	$\frac{4G_F^2}{\sqrt{2}}(\bar{u}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}

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

usmunu

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

ustaunu

WC name	Operator	Type
1ustaue	$\frac{4G_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	C
5ustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	\mathbf{C}
1pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_e)$	$^{\mathrm{C}}$
5pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu u_\mu)$	\mathbf{C}
5ustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_\mu)$	\mathbf{C}
1pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu \nu_\mu)$	\mathbf{C}
5pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\mu})$	\mathbf{C}
7pustaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{ au})$	\mathbf{C}
5ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^\mu s)(\bar{\tau}\gamma_\mu u_ au)$	\mathbf{C}
5pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\tau})$	\mathbf{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	$\frac{4\overset{\circ}{G_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	\mathbf{C}
1pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{e}\gamma_\mu\nu_e)$	\mathbf{C}
5pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e)$	\mathbf{C}
7pcsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1csemu	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5csemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_\mu)$	\mathbf{C}
1pcsemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcsemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L s)(\bar{e}\nu_\mu)$	\mathbf{C}
7pcsemu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1csetau	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{ au})$	\mathbf{C}
5csetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_{\tau})$	\mathbf{C}
1pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_{\tau})$	\mathbf{C}
7pcsetau	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{\tau})$	С

csmunu

WC name	Operator	Type
1csmue	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5csmue	$\frac{4\overset{\circ}{Q_F}}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcsmue	$\frac{4 \stackrel{\leftarrow}{N_2}}{\sqrt{2}} (\bar{c} P_L \gamma^{\mu} s) (\bar{\mu} \gamma_{\mu} \nu_e)$	\mathbf{C}
5pcsmue	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcsmue	$\frac{4 \overset{\leftarrow}{G_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu\nu} s) (\bar{\mu} \sigma_{\mu\nu} \nu_e)$	$^{\mathrm{C}}$
1csmumu	$\frac{4\overset{\sim}{G_F}}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
5csmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
1pcsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5pcsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L s)(\bar{\mu}\nu_{\mu})$	$^{\mathrm{C}}$
7pcsmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$^{\mathrm{C}}$
1csmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
5csmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
1pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{ au})$	$^{\mathrm{C}}$
5pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L s)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
7pcsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	C

${\tt cstaunu}$

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

sdcu

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

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

sd

WC name	Operator	Type
7gammads	$\frac{4G_F}{\sqrt{2}}\frac{e}{q_z^2}m_s(\bar{d}P_R\sigma_{\mu\nu}s)F^{\mu\nu}$	C
8gds	$\frac{4\tilde{G}_F}{\sqrt{2}}\frac{\tilde{J}_s}{q_s}m_s(\bar{d}P_R\sigma_{\mu\nu}T^As)G_A^{\mu\nu}$	\mathbf{C}
7pgammads	$\frac{{}^{4}\!G_{F}^{2}}{\sqrt{2}}\frac{1}{g_{s}}m_{s}(\bar{d}P_{R}\sigma_{\mu\nu}T^{A}s)G_{A}^{\mu\nu}$ $\frac{{}^{4}\!G_{F}}{\sqrt{2}}\frac{e_{s}}{g_{s}^{2}}m_{s}(\bar{d}P_{L}\sigma_{\mu\nu}s)F^{\mu\nu}$	\mathbf{C}
8pgds	$\frac{4\check{Q}_F^2}{\sqrt{2}}\frac{J_s^s}{q_s}m_s(\bar{d}P_L\sigma_{\mu\nu}T^As)G_A^{\mu u}$	$^{\mathrm{C}}$
1dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{u}\gamma^\mu u)$	\mathbf{C}
2dsuu	$\frac{4\check{G}_F^C}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4dsuu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5dsuu	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	\mathbf{C}
6dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{u}T^Au)$	\mathbf{C}
7dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8dsuu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dsuu	$\frac{4\check{G}_F^c}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdsuu	$\frac{4\overset{\mathbf{V}_{G_F}}{\sqrt{2}}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{u}\gamma^\mu u)$	\mathbf{C}
2pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3pdsuu	$\frac{4 \check{G}_F^c}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho} s) (\bar{u} \gamma^{\mu\nu\rho} u)$	\mathbf{C}
4pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_Ls)(\bar{u}u)$	\mathbf{C}
6pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au)$	\mathbf{C}
7pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdsuu	$\frac{4\tilde{Q}_F^C}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9pdsuu	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dscc	$\frac{4\overset{Y_G^2}{\sqrt{2}}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2dscc	$\frac{4\ddot{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$	\mathbf{C}
	·	

WC name	Operator	Type
3dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	С
4dscc	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}T^As)(ar{c}\gamma^{\mu u ho}T^Ac)$	\mathbf{C}
5dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}c)$	\mathbf{C}
6dscc	$\frac{4\overset{\sim}{G_F}}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)$	\mathbf{C}
7dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	\mathbf{C}
8dscc	$\frac{{}^{4}\!G_{F}^{Z}}{\sqrt{2}}(\bar{d}P_{R}\sigma^{\mu\nu}T^{A}s)(\bar{c}\sigma_{\mu\nu}T^{A}c)$ $\frac{{}^{4}\!G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$ $\frac{{}^{4}\!G_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}
9dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	\mathbf{C}
10dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1pdscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	\mathbf{C}
2pdscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3pdscc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)}$	\mathbf{C}
4pdscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5pdscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}c)$	\mathbf{C}
6pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	\mathbf{C}
7pdscc	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu u} s) (\bar{c} \sigma_{\mu u} c)$	\mathbf{C}
8pdscc	$\frac{{}^{4}G_{F}^{2}}{\sqrt{2}}(\bar{d}P_{L}\sigma^{\mu\nu}T^{A}s)(\bar{c}\sigma_{\mu\nu}T^{A}c)$ $\frac{{}^{4}G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$ $\frac{{}^{4}G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}T^{A}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^{A}c)$	\mathbf{C}
9pdscc	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{c} \gamma^{\mu\nu\rho\sigma} c)$	\mathbf{C}
10pdscc	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	\mathbf{C}
1dsss	$rac{4 G_F^c}{\sqrt{2}} (ar{d} P_R \gamma_\mu s) (ar{s} \gamma^\mu s) \ rac{4 G_F}{\sqrt{2}} (ar{d} P_R \gamma_{\mu u ho} s) (ar{s} \gamma^{\mu u ho} s)$	\mathbf{C}
3dsss	$\frac{4 \check{G_F}}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho} s) (\bar{s} \gamma^{\mu\nu\rho} s)$	\mathbf{C}
5dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{s}s)$	\mathbf{C}
7dsss	$\frac{4G_F}{\sqrt{s}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)$	\mathbf{C}
9dsss	$\frac{4GF}{\sqrt{2}}(dP_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{s}\gamma^\mu s)$	\mathbf{C}
3pdsss	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{s}\gamma^{\mu u ho}s)$	\mathbf{C}
5pdsss	$\frac{4G_F}{\sqrt{2}}(dP_L s)(\bar{s}s)$	\mathbf{C}
7pdsss	$\frac{4 \check{G_F}}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu u} s) (\bar{s} \sigma_{\mu u} s)$	\mathbf{C}
9pdsss	$\frac{{}^4\!G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s) \\ \frac{{}^4\!G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	\mathbf{C}
1dsdd	$\frac{4G_F}{\overline{c}}(\bar{d}\gamma_{\mu}P_Ts)(\bar{d}\gamma^{\mu}d)$	\mathbf{C}
1pdsdd	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_R s)(ar{d}\gamma^\mu d) \ rac{4G_F}{\sqrt{2}}(ar{d}\gamma_{\mu\nu\rho} P_L s)(ar{d}\gamma^{\mu\nu\rho} d) \ rac{4G_F}{\sqrt{2}}(ar{d}\gamma_{\mu\nu\rho} P_R s)(ar{d}\gamma^{\mu\nu\rho} d) \ rac{4G_F}{\sqrt{2}}(ar{d}\gamma_{\mu\nu\rho} P_R s)(ar{d}\gamma^{\mu\nu\rho} d)$	\mathbf{C}
3dsdd	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}\gamma_{\mu u ho}P_Ls)(ar{d}\gamma^{\mu u ho}d)$	\mathbf{C}
3pdsdd	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d}\gamma_{\mu\nu\rho} P_R s) (\bar{d}\gamma^{\mu\nu\rho} d)$	\mathbf{C}
5dsdd	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}d)$	\mathbf{C}
5pdsdd	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d)$	\mathbf{C}
7dsdd	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d)$	\mathbf{C}
7pdsdd	$ \frac{\sqrt{2}}{4G_F}(\bar{d}P_Ls)(\bar{d}d) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}d) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d) \\ \frac{4G_F}{\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) $	\mathbf{C}
9dsdd	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Ls)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}

WC name	Operator	Type
9pdsdd	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	C
1dsbb	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{b}\gamma^\mu b)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{b}\gamma^\mu T^A b)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
2dsbb	$\frac{4\overset{Q^{\prime}}{G_{F}}}{\sqrt{2}}(ar{d}P_{R}\gamma_{\mu}T^{A}s)(ar{b}\gamma^{\mu}T^{A}b)$	\mathbf{C}
3dsbb	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
4dsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab)$	\mathbf{C}
5dsbb	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{b}b)$	\mathbf{C}
6dsbb	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{b}T^Ab)$	\mathbf{C}
7dsbb	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
8dsbb	$\frac{4\overset{\checkmark}{Q_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)$	\mathbf{C}
9dsbb	$\frac{4G_F}{\bar{e}}(\bar{d}P_B\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
10dsbb	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho\sigma}T^As)(ar{b}\gamma^{\mu u ho\sigma}T^Ab)$	\mathbf{C}
1pdsbb	$\frac{4G_F}{\overline{c}}(\bar{d}P_I\gamma_{}s)(\bar{b}\gamma^{\mu}b)$	\mathbf{C}
2pdsbb	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}P_L\gamma_\mu T^As)(ar{b}\gamma^\mu T^Ab) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{b}\gamma^{\mu u ho}b)$	\mathbf{C}
3pdsbb	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{b}\gamma^{\mu\nu\rho}b)$	\mathbf{C}
4pdsbb	$\frac{4\overleftarrow{Q_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{b}\gamma^{\mu\nu\rho}T^Ab)$	\mathbf{C}
5pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{b}b)$	\mathbf{C}
6pdsbb	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{b}T^Ab)$	\mathbf{C}
7pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{b}\sigma_{\mu\nu}b)$	\mathbf{C}
8pdsbb	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{b}\sigma_{\mu\nu}T^Ab)$	\mathbf{C}
9pdsbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	\mathbf{C}
10pdsbb	$\frac{\sqrt[4]{2}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{b}\gamma^{\mu\nu\rho\sigma}T^Ab)$	\mathbf{C}
1dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{e}\gamma^\mu e)$	\mathbf{C}
1pdsee	$\frac{4G_F}{\overline{c}}(\bar{d}P_I\gamma_{\mu}s)(\bar{e}\gamma^{\mu}e)$	\mathbf{C}
3dsee	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_{\mu u ho}s)(ar{e}\gamma^{\mu u ho}e)$	\mathbf{C}
3pdsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	\mathbf{C}
5dsee	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R s) (\bar{e} e)$	\mathbf{C}
5pdsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{e}e)$	\mathbf{C}
7dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	\mathbf{C}
7pdsee	$4\tilde{G}_{F}$ (\bar{J}_{D} $-\mu\nu$ -) (=)	\mathbf{C}
9dsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
9pdsee	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	\mathbf{C}
1dsmumu	$\frac{4\overline{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu\mu)$	\mathbf{C}
1pdsmumu	$rac{4\check{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{\mu}\gamma^\mu\mu)$	\mathbf{C}
3dsmumu	$\frac{4\check{G}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu u ho}s)(\bar{\mu}\gamma^{\mu u ho}\mu)$	\mathbf{C}
3pdsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsmumu	$ \frac{1}{\sqrt{2}} (dP_L \sigma^{\mu\nu} s) (e\sigma_{\mu\nu} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} s) (\bar{e}\gamma^{\mu\nu\rho\sigma} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{e}\gamma^{\mu\nu\rho\sigma} e) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu} s) (\bar{\mu}\gamma^{\mu} \mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu} s) (\bar{\mu}\gamma^{\mu} \mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho} s) (\bar{\mu}\gamma^{\mu\nu\rho} \mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho} s) (\bar{\mu}\gamma^{\mu\nu\rho} \mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho} s) (\bar{\mu}\gamma^{\mu\nu\rho} \mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R s) (\bar{\mu}\mu) \\ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s) (\bar{\mu}\mu) $	\mathbf{C}
5pdsmumu	$\frac{4\breve{G_F}}{\sqrt{2}}(\bar{d}P_L s)(\bar{\mu}\mu)$	\mathbf{C}

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

sdmue

WC name	Operator	Type
1dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\mu)$	\overline{C}
1pdsemu	$\frac{4 \stackrel{YG_F}{\sqrt{2}}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{e} \gamma^\mu \mu)$	\mathbf{C}
3dsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
5dsemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R s) (\overline{e} \mu)$	\mathbf{C}
5pdsemu	$\frac{4\ddot{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}\mu)$	\mathbf{C}
7dsemu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdsemu	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\mu)$	$^{\mathrm{C}}$
9dsemu	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	\mathbf{C}
9pdsemu	$\frac{\frac{4\ddot{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}{\frac{4G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)}$	\mathbf{C}

sdtaue

WC name	Operator	Type
1dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\tau)$	$^{\mathrm{C}}$
1pdsetau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{e}\gamma^\mu\tau)}$	\mathbf{C}
3dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	\mathbf{C}
3pdsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	$^{\mathrm{C}}$

WC name	Operator	Type
5dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{e}\tau)$	\overline{C}
5pdsetau	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e} au)$	$^{\mathrm{C}}$
7dsetau	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}s)(ar{e}\sigma_{\mu u} au)$	\mathbf{C}
7pdsetau	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{e}\sigma_{\mu u} au)$	\mathbf{C}
9dsetau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	\mathbf{C}
9pdsetau	$\frac{{}^{4G_F}_{-}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)}{{}^{4G_F}_{-}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)}$ $\frac{{}^{4G_F}_{-}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\tau)}{{}^{4G_F}_{-}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}$ $\frac{{}^{4G_F}_{-}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}{{}^{4G_F}_{-}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)}$	С

sdemu

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

sdtaumu

WC name	Operator	Type
1dsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\mu}\gamma^\mu au)$	C
1pdsmutau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{\mu}\gamma^\mu au)$	$^{\mathrm{C}}$
3dsmutau	$rac{4 \overleftrightarrow{G}_F}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{\mu} \gamma^\mu au) \ rac{4 G_F}{\sqrt{2}} (ar{d} P_R \gamma_{\mu u ho} s) (ar{\mu} \gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
3pdsmutau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_{\mu u ho}s)(ar{\mu}\gamma^{\mu u ho} au)$	$^{\mathrm{C}}$
5dsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{\mu}\tau)$	$^{\mathrm{C}}$
5pdsmutau	$\frac{4\widetilde{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\mu} au)$	$^{\mathrm{C}}$
7dsmutau	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R \sigma^{\mu \nu} s) (\bar{\mu} \sigma_{\mu \nu} \tau)$	$^{\mathrm{C}}$
7pdsmutau	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \sigma^{\mu u} s) (ar{\mu} \sigma_{\mu u} au)$	$^{\mathrm{C}}$
9dsmutau	$\frac{4\check{G}_{F}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdsmutau	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho\sigma} s) (\bar{\mu} \gamma^{\mu\nu\rho\sigma} \tau) \\ \frac{4 G_F}{\sqrt{2}} (\bar{d} P_L \gamma_{\mu\nu\rho\sigma} s) (\bar{\mu} \gamma^{\mu\nu\rho\sigma} \tau)$	$^{\mathrm{C}}$

sdetau

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

sdmutau

WC name	Operator	Type
1dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)$	С
1pdstaumu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\tau}\gamma^\mu\mu)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)}$	\mathbf{C}
3dstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	\mathbf{C}
3pdstaumu	$\frac{4G_F}{\overline{c}}(dP_T\gamma_{s})(\overline{\tau}\gamma^{\mu\nu\rho}\mu)$	$^{\mathrm{C}}$
5dstaumu	$\frac{\sqrt{2}}{\sqrt{2}}(ar{d}P_Rs)(ar{ au}\mu)$	\mathbf{C}
5pdstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{\tau}\mu)$	\mathbf{C}
7dstaumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\mu)$	\mathbf{C}
7pdstaumu	$ \frac{{}^{4}\!$	$^{\mathrm{C}}$
9dstaumu	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	$^{\mathrm{C}}$
9pdstaumu	$\frac{{}^{4\!G_F}_{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)}{{}^{4\!G_F}_{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)}$	\mathbf{C}

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	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)}$ $\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)}{\sqrt{2}}$	\mathbf{C}
nu1dsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_\mu\gamma^\mu u_\mu)$	\mathbf{C}
nu1pdsmumu	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
nu1dstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
nu1pdstautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	$^{\mathrm{C}}$

WC name	Operator	Type
nu1dsemu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	C
nu1pdsemu	$rac{4ar{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_\mu)$	\mathbf{C}
nu1dsmue	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_R \gamma_\mu s) (ar{ u}_\mu \gamma^\mu u_e)$	\mathbf{C}
nu1pdsmue	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_\mu \gamma^\mu u_e)$	\mathbf{C}
nu1dsetau	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R \gamma_\mu s) (\overline{\nu}_e \gamma^\mu \nu_ au)$	\mathbf{C}
nu1pdsetau	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_ au)$	\mathbf{C}
nu1dstaue	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R \gamma_\mu s) (\overline{\nu}_\tau \gamma^\mu \nu_e)$	\mathbf{C}
nu1pdstaue	$rac{4 \overleftarrow{G_F}}{\sqrt{2}} (ar{d} P_L \gamma_\mu s) (ar{ u}_ au \gamma^\mu u_e)$	\mathbf{C}
nu1dstaumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d} P_R \gamma_\mu s) (\overline{ u}_ au \gamma^\mu u_\mu)$	\mathbf{C}
nu1pdstaumu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_L \gamma_\mu s) (\bar{ u}_ au \gamma^\mu u_\mu)$	\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	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)$	С

cucu

WC name	Operator	Type
1cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_L u)(\bar{c}\gamma^\mu P_L u)$	C
5cucu	$ \frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Ru_{\alpha}) \frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu)(\bar{c}P_Lu) \frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_{\mu}P_Ru)(\bar{c}\gamma^{\mu}P_Ru) \frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_Lu_{\beta})(\bar{c}_{\beta}P_Lu_{\alpha}) $	\mathbf{C}
2cucu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Lu)$	\mathbf{C}
1pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}\gamma_\mu P_R u)(\bar{c}\gamma^\mu P_R u)$	\mathbf{C}
3cucu	$\frac{4 \overline{G_F}}{\sqrt{2}} (\bar{c}_{lpha} P_L u_{eta}) (\bar{c}_{eta} P_L u_{lpha})$	$^{\mathrm{C}}$
2pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Ru)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
4cucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Lu)(\bar{c}P_Ru)$	$^{\mathrm{C}}$
3pcucu	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R u)(\bar{c}P_R u)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}P_L u)(\bar{c}P_R u)$ $\frac{4G_F}{\sqrt{2}}(\bar{c}_{\alpha}P_R u_{\beta})(\bar{c}_{\beta}P_R u_{\alpha})$	$^{\mathrm{C}}$