# ${\bf Basis} \ {\tt AFGV-new} \ ({\tt EFT} \ {\tt WET})$

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

## Sectors

## sdsd

WC name	Operator	Type
1dsds	$\frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_L s)(\bar{d}\gamma^\mu P_L s)$	C
5dsds	$\frac{4\ddot{G_F}}{\sqrt{2}}(\bar{d}_{\alpha}P_Ls_{\beta})(\bar{d}_{\beta}P_Rs_{\alpha})$	$^{\mathrm{C}}$
2dsds	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}P_Ls)$	$\mathbf{C}$
1pdsds	$\begin{array}{c} \frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{d}P_Ls) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_\mu P_Rs)(\bar{d}\gamma^\mu P_Rs) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}_\alpha P_L s_\beta)(\bar{d}_\beta P_L s_\alpha) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}P_Rs) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{d}P_Rs) \end{array}$	$^{\mathrm{C}}$
3dsds	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\overline{d}_{lpha} P_L s_{eta}) (\overline{d}_{eta} P_L s_{lpha})$	$\mathbf{C}$
2pdsds	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{d} P_R s) (\bar{d} P_R s)$	$^{\mathrm{C}}$
4dsds	$\frac{4G_F}{\sqrt{2}}(dP_L s)(dP_R s)$	$^{\mathrm{C}}$
3pdsds	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}_lpha P_R s_eta)(ar{d}_eta P_R s_lpha)$	С

#### usenu

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

#### usmunu

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

## 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	$\frac{4\widetilde{G}_F^c}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_e)$	$\mathbf{C}$
1pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_e)$	$\mathbf{C}$
5pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_e)$	$\mathbf{C}$
7pustaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$\mathbf{C}$
1ustaumu	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{u}P_R\gamma^\mu s)(\bar{\tau}\gamma_\mu\nu_\mu)$	$\mathbf{C}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau} u_\mu)$	$\mathbf{C}$
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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_R\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$\mathbf{C}$
5ustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Rs)(\bar{\tau}\nu_{\tau})$	$\mathbf{C}$
1pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\gamma^{\mu}s)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	$\mathbf{C}$
5pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_Ls)(\bar{\tau}\nu_{\tau})$	$\mathbf{C}$
7pustautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{u}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	С

#### csenu

WC name	Operator	Type
1csee	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_R\gamma^{\mu}s)(\bar{e}\gamma_{\mu}\nu_e)$	C
5csee	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e}\nu_e)$	$^{\mathrm{C}}$
1pcsee	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{e} \gamma_\mu \nu_e)$	$\mathbf{C}$
5pcsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e}\nu_e)$	$\mathbf{C}$
7pcsee	$\frac{4 \overleftarrow{S_F}}{\sqrt{2}} (\bar{c} P_L \sigma^{\mu  u} s) (\bar{e} \sigma_{\mu  u}  u_e)$	$\mathbf{C}$
1csemu	$\frac{4 \overleftarrow{S_F}}{\sqrt{2}} (\bar{c} P_R \gamma^\mu s) (\bar{e} \gamma_\mu \nu_\mu)$	$\mathbf{C}$
5csemu	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} (\bar{c} P_R s) (\bar{e} \nu_\mu)$	$\mathbf{C}$
1pcsemu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{e} \gamma_\mu \nu_\mu)$	$\mathbf{C}$
5pcsemu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{c} P_L s) (\bar{e} \nu_\mu)$	$\mathbf{C}$
7pcsemu	$rac{4 { m G}_F}{\sqrt{2}} (ar{c} P_L \sigma^{\mu  u} s) (ar{e} \sigma_{\mu  u}  u_\mu)$	$\mathbf{C}$
1csetau	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{e}\gamma_\mu  u_ au)$	$\mathbf{C}$
5csetau	$\frac{4\tilde{Q}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{e} u_ au)$	$^{\mathrm{C}}$
1pcsetau	$\frac{4 \tilde{Q}_F}{\sqrt{2}} (\bar{c} P_L \gamma^\mu s) (\bar{e} \gamma_\mu  u_ au)$	$^{\mathrm{C}}$
5pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{e} u_ au)$	$^{\mathrm{C}}$
7pcsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}\nu_{ au})$	C

## ${\tt csmunu}$

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	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_e)$	$\mathbf{C}$
1pcsmue	$\frac{4\tilde{G}_{F}}{\sqrt{2}}(\bar{c}P_{L}\gamma^{\mu}s)(\bar{\mu}\gamma_{\mu}\nu_{e})$	$\mathbf{C}$
5pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_e)$	$^{\mathrm{C}}$
7pcsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1csmumu	$\frac{4\tilde{G}_F^c}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu\nu_\mu)$	$^{\mathrm{C}}$
5csmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\mu})$	$\mathbf{C}$
1pcsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu  u_\mu)$	$\mathbf{C}$
5pcsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_{\mu})$	$\mathbf{C}$
7pcsmumu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	$\mathbf{C}$
1csmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_R\gamma^\mu s)(\bar{\mu}\gamma_\mu  u_ au)$	$^{\mathrm{C}}$
5csmutau	$\frac{4G_F}{\sqrt{2}}(\bar{c}P_Rs)(\bar{\mu}\nu_{\tau})$	$\mathbf{C}$
1pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\gamma^\mu s)(\bar{\mu}\gamma_\mu  u_ au)$	$^{\mathrm{C}}$
5pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_Ls)(\bar{\mu}\nu_{\tau})$	$^{\mathrm{C}}$
7pcsmutau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{c}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	$^{\mathrm{C}}$

#### cstaunu

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

## sduc

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

WC name	Operator	Type
6pdsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Ac)$	
7pdsuc	$rac{4G_F}{\sqrt{2}}(ar{d}P_L\sigma^{\mu u}s)(ar{u}\sigma_{\mu u}c)$	$\mathbf{C}$
8pdsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{u}\sigma_{\mu\nu}T^Ac)$	$\mathbf{C}$
9pdsuc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	$\mathbf{C}$
10pdsuc	$\frac{4\tilde{G}_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	С

## sdcu

WC name	Operator	Type
1dscu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{c}\gamma^\mu u)$	
2dscu	$\frac{4\overset{Y}{G_F}}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Au)$	$\mathbf{C}$
3dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	$\mathbf{C}$
4dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$\mathbf{C}$
5dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}u)$	$\mathbf{C}$
6dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Au)$	$\mathbf{C}$
7dscu	$\frac{4\check{G}_F^{\sigma}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu u}s)(\bar{c}\sigma_{\mu u}u)$	$\mathbf{C}$
8dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	$\mathbf{C}$
9dscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	$\mathbf{C}$
10dscu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{c} \gamma^{\mu\nu\rho\sigma} T^A u)$	$\mathbf{C}$
1pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu u)$	$\mathbf{C}$
2pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{c}\gamma^\mu T^Au)$	$\mathbf{C}$
3pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}u)$	$\mathbf{C}$
4pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	$\mathbf{C}$
5pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}u)$	$\mathbf{C}$
6pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Au)$	$\mathbf{C}$
7pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}u)$	$\mathbf{C}$
8pdscu	$\frac{4\check{G}_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Au)$	$\mathbf{C}$
9pdscu	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	$\mathbf{C}$
10pdscu	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	$\mathbf{C}$

## sd

WC name	Operator	Type
7gammad	$rac{4G_F}{\sqrt{2}}rac{e}{g_d^2}m_s(ar{d}P_R\sigma_{\mu u}s)F^{\mu u}$	C
8gd	$rac{4G_F}{\sqrt{2}}rac{3d}{g_d}m_s(ar{d}P_R\sigma_{\mu u}T^As)G_A^{\mu u}$	$\mathbf{C}$

WC name	Operator	Type
7pgammad	$\frac{4G_F}{\sqrt{2}}\frac{e}{q_s^2}m_s(\bar{d}P_L\sigma_{\mu\nu}s)F^{\mu\nu}$	С
8pgd	$\frac{\sqrt{2}}{4G_F} \frac{1}{g_d} m_s (\bar{d}P_L \sigma_{\mu\nu} T^A s) G_A^{\mu\nu}$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_\mu s) (\bar{u}\gamma^\mu u)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_\mu T^A s) (\bar{u}\gamma^\mu T^A u)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_\mu \nu_\rho s) (\bar{u}\gamma^{\mu\nu\rho} u)$	$\mathbf{C}$
1dsuu	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{u}\gamma^\mu u)$	$\mathbf{C}$
2dsuu	$\frac{4\overset{Q^{\prime}}{Q_{F}}}{\sqrt{2}}(\bar{d}P_{R}\gamma_{\mu}T^{A}s)(\bar{u}\gamma^{\mu}T^{A}u)$	$\mathbf{C}$
3dsuu	$\frac{4\tilde{Q}_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)$	$\mathbf{C}$
4dsuu	$\frac{4G_F}{\sqrt{2}}(dP_R\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	$\mathbf{C}$
5dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{u}u)$	$^{\mathrm{C}}$
6dsuu	$\frac{4G_F}{\sqrt{2}}(dP_RT^As)(\bar{u}T^Au)$	$^{\mathrm{C}}$
7dsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	$^{\mathrm{C}}$
8dsuu	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\sigma^{\mu u}T^As)(ar{u}\sigma_{\mu u}T^Au)$	$^{\mathrm{C}}$
9dsuu	$\frac{\sqrt{2}}{\sqrt{2}} (dP_R \gamma_{\mu\nu\rho\sigma} s) (\bar{u}\gamma^{\mu\nu\rho\sigma} u)$ $\frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} T^A s) (\bar{u}\gamma^{\mu\nu\rho\sigma} T^A u)$	$^{\mathrm{C}}$
10dsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	$\mathbf{C}$
1pdsuu	$\frac{4G_F}{\sqrt{2}}(dP_L\gamma_\mu s)(\bar{u}\gamma^\mu u)$	$\mathbf{C}$
2pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)$	$\mathbf{C}$
3pdsuu	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu T^As)(\bar{u}\gamma^\mu T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{u}\gamma^{\mu\nu\rho}u)}$	$\mathbf{C}$
4pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	$\mathbf{C}$
5pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L s)(\bar{u}u)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L T^A s)(\bar{u}T^A u)$	$\mathbf{C}$
6pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{u}T^Au)$	$\mathbf{C}$
7pdsuu	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{u}\sigma_{\mu\nu}u)$	$\mathbf{C}$
8pdsuu	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_L \sigma^{\mu\nu} T^A s) (\bar{u} \sigma_{\mu\nu} T^A u)$	$\mathbf{C}$
9pdsuu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	$\mathbf{C}$
10pdsuu	$\frac{\frac{\sqrt{2}}{4G_F}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c)}$	$\mathbf{C}$
1dscc	$\frac{4 \overline{G_F}}{\sqrt{2}} (\overline{d} P_R \gamma_\mu s) (\overline{c} \gamma^\mu c)$	$\mathbf{C}$
2dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu T^A s)(\bar{c}\gamma^\mu T^A c)$	$\mathbf{C}$
3dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	$\mathbf{C}$
4dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	$\mathbf{C}$
5dscc	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}c)$	$^{\mathrm{C}}$
6dscc	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{c}c)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_RT^As)(\bar{c}T^Ac)}$	$^{\mathrm{C}}$
7dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8dscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)$	$\mathbf{C}$
9dscc	$\frac{4 \tilde{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_{\mu\nu\rho\sigma} s) (\bar{c} \gamma^{\mu\nu\rho\sigma} c)$	$\mathbf{C}$
10dscc	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
1pdscc	$\frac{4\dot{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{c}\gamma^\mu c)$	$^{\mathrm{C}}$
2pdscc	$ \frac{\sqrt{2}}{4G_F}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{c}\gamma^{\mu}c) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}T^As)(\bar{c}\gamma^{\mu}T^Ac) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu}T^Ac) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}T^As)(\bar{c}\gamma^{\mu\nu\rho}T^Ac) \\ \frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}c) $	$^{\mathrm{C}}$
3pdscc	$\frac{4\check{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{c}\gamma^{\mu\nu\rho}c)$	$\mathbf{C}$
4pdscc	$\frac{4\check{G}_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho}T^{A}s)(\bar{c}\gamma^{\mu\nu\rho}T^{A}c)$	$\mathbf{C}$
5pdscc	$\frac{4\ddot{G}_F^c}{\sqrt{2}}(\bar{d}P_Ls)(\bar{c}c)$	$^{\mathrm{C}}$

WC name	Operator	Type
6pdscc	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_LT^As)(\bar{c}T^Ac)$	C
7pdscc	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8pdscc	$ \frac{{}^{4G_F}_{T}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{c}\sigma_{\mu\nu}c)  \frac{{}^{4G_F}_{T}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}T^As)(\bar{c}\sigma_{\mu\nu}T^Ac)  \frac{{}^{4G_F}_{T}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)  \frac{{}^{4G_F}_{T}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac) $	$^{\mathrm{C}}$
9pdscc	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	$^{\mathrm{C}}$
10pdscc	$\frac{4G_F}{G_G}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^As)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	$^{\mathrm{C}}$
dsss	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{s}\gamma^\mu s)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)}$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Rs)(\bar{s}s)$	$^{\mathrm{C}}$
3dsss	$\frac{\sqrt{2}}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	$^{\mathrm{C}}$
5dsss	$\frac{\sqrt{2}}{\sqrt{2}}(ar{d}P_Rs)(ar{s}s)$	$^{\mathrm{C}}$
7dsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)$	$^{\mathrm{C}}$
9dsss	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
1pdsss	$\frac{4G_F}{G}(\bar{d}P_L\gamma_\mu s)(\bar{s}\gamma^\mu s)$	$^{\mathrm{C}}$
3pdsss	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho}s)(\bar{s}\gamma^{\mu\nu\rho}s)$	$^{\mathrm{C}}$
5pdsss	$ \frac{\sqrt{2}}{\sqrt{2}} (dP_R s)(ss) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \sigma^{\mu\nu} s)(\bar{s}\sigma_{\mu\nu} s) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_R \gamma_{\mu\nu\rho\sigma} s)(\bar{s}\gamma^{\mu\nu\rho\sigma} s) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu s})(\bar{s}\gamma^{\mu} s) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L \gamma_{\mu\nu\rho} s)(\bar{s}\gamma^{\mu\nu\rho} s) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s)(\bar{s}s) $ $ \frac{4G_F}{\sqrt{2}} (\bar{d}P_L s)(\bar{s}s) $	$^{\mathrm{C}}$
7pdsss	$\frac{4G_F^2}{G_S^2}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)$	$^{\mathrm{C}}$
9pdsss	$\frac{{}^{4G_F}_{F}}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{s}\sigma_{\mu\nu}s)$ $\frac{{}^{4G_F}_{F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	$^{\mathrm{C}}$
1dsdd	$rac{4G_F^2}{\sqrt{2}}(ar{d}\gamma_\mu P_L s)(ar{d}\gamma^\mu d)$	$^{\mathrm{C}}$
1pdsdd	$rac{4G_F}{\sqrt{2}}(ar{d}\gamma_\mu P_R s)(ar{d}\gamma^\mu d)$	$^{\mathrm{C}}$
3dsdd	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}\gamma_{\mu u ho}P_Ls)(\bar{d}\gamma^{\mu u ho}d)$	$^{\mathrm{C}}$
3pdsdd	$ \frac{\sqrt{2}}{\sqrt{2}} (\bar{d} r_{\mu} \rho_{L} s) (\bar{d} \gamma^{\mu} d) \\ \frac{4G_{F}}{\sqrt{2}} (\bar{d} \gamma_{\mu} P_{L} s) (\bar{d} \gamma^{\mu} d) \\ \frac{4G_{F}}{\sqrt{2}} (\bar{d} \gamma_{\mu} P_{R} s) (\bar{d} \gamma^{\mu} d) \\ \frac{4G_{F}}{\sqrt{2}} (\bar{d} \gamma_{\mu\nu\rho} P_{L} s) (\bar{d} \gamma^{\mu\nu\rho} d) \\ \frac{4G_{F}}{\sqrt{2}} (\bar{d} \gamma_{\mu\nu\rho} P_{R} s) (\bar{d} \gamma^{\mu\nu\rho} d) \\ \frac{4G_{F}}{\sqrt{2}} (\bar{d} P_{L} s) (\bar{d} d) \\ 4G_{F} (\bar{d} P_{L} s) (\bar{d} d) $	$^{\mathrm{C}}$
5dsdd	$rac{4G_F}{\sqrt{2}}(ar{d}P_Ls)(ar{d}d)$	$\mathbf{C}$
5pdsdd	$ \frac{\sqrt{2}}{\sqrt{2}}(dP_L s)(da) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R s)(\bar{d}d) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_L s)(\bar{d}\sigma_{\mu\nu}d) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_R s)(\bar{d}\sigma_{\mu\nu}d) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_L s)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_R s)(\bar{d}\gamma^{\mu\nu\rho\sigma}d) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{e}\gamma^{\mu}e) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{e}\gamma^{\mu}e) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e) $ $ \frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e) $	$\mathbf{C}$
7dsdd	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}\sigma^{\mu\nu}P_Ls)(\bar{d}\sigma_{\mu\nu}d)$	$\mathbf{C}$
7pdsdd	$\frac{4G_F^2}{\sqrt{2}}(ar{d}\sigma^{\mu u}P_Rs)(ar{d}\sigma_{\mu u}d)$	$\mathbf{C}$
9dsdd	$\frac{4G_F^2}{\sqrt{2}}(ar{d}\gamma_{\mu u ho\sigma}P_Ls)(ar{d}\gamma^{\mu u ho\sigma}d)$	$\mathbf{C}$
9pdsdd	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rs)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	$\mathbf{C}$
1dsee	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{e}\gamma^\mu e)$	$\mathbf{C}$
1pdsee	$\frac{4\widetilde{Q}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{e}\gamma^\mu e)$	$\mathbf{C}$
3dsee	$\frac{4G_F^2}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho}s)(\bar{e}\gamma^{\mu\nu\rho}e)$	$\mathbf{C}$
3pdsee		$\mathbf{C}$
5dsee	$4G_F(\bar{A}D_{-2})(\bar{a}_2)$	$\mathbf{C}$
5pdsee	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}e)$	$\mathbf{C}$
7dsee	$\frac{4\overset{C}{G_F}}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	$\mathbf{C}$
7pdsee	$\frac{4Q_F^2}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$	$\mathbf{C}$
9dsee	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	$\mathbf{C}$
9pdsee	$\frac{\sqrt{2}}{\sqrt{2}}(dP_Rs)(ee)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_Ls)(\bar{e}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{e}\sigma_{\mu\nu}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu}s)(\bar{\mu}\gamma^{\mu}\mu)$ $\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu}s)(\bar{\mu}\gamma^{\mu}\mu)$	$\mathbf{C}$
1dsmumu	$\frac{4 \check{G}_F}{\sqrt{2}} (\bar{d} P_R \gamma_\mu s) (\bar{\mu} \gamma^\mu \mu)$	$\mathbf{C}$
1pdsmumu	$\frac{4\breve{G}_{F}^{r}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu}s)(\bar{\mu}\gamma^{\mu}\mu)$	$^{\mathrm{C}}$

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

## sdemu

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

## sdetau

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

## sdmue

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

## sdmutau

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

WC name	Operator	Type
7pdsmutau	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)$	С
9dsmutau	$\frac{\frac{4G_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\mu}\sigma_{\mu\nu}\tau)}{\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)}$	$\mathbf{C}$
9pdsmutau	$\frac{\sqrt[4]{G_F}}{\sqrt{2}}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}s)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$

#### sdtaue

WC name	Operator	Type
1dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\tau}\gamma^\mu e)$	C
1pdstaue	$rac{4G_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ au}\gamma^\mu e) \ rac{4G_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ au}\gamma^\mu e)$	$^{\mathrm{C}}$
3dstaue	$\frac{4G_F}{\sqrt{2}}(dP_B\gamma_{\mu\nu\rho}s)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	$\mathbf{C}$
3pdstaue	$\frac{4G_F}{\bar{e}}(dP_T\gamma_{s})(\bar{\tau}\gamma^{\mu\nu\rho}e)$	$\mathbf{C}$
5dstaue	$\frac{4G_F}{dP_D}(\bar{d}P_Ds)(\bar{\tau}_e)$	$^{\mathrm{C}}$
5pdstaue	$rac{\sqrt{2}}{\sqrt{2}}(ar{d}P_{L}s)(ar{ au}e) = rac{4G_{F}}{\sqrt{2}}(ar{d}P_{R}\sigma^{\mu u}s)(ar{ au}\sigma_{\mu u}e)$	$^{\mathrm{C}}$
7dstaue	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
7pdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)$	$^{\mathrm{C}}$
9dstaue	$\frac{4\check{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	$\mathbf{C}$
9pdstaue	$ \frac{{}^{4}G_{F}^{G}(\bar{d}P_{L}\sigma^{\mu\nu}s)(\bar{\tau}\sigma_{\mu\nu}e)}{{}^{4}G_{F}^{G}(\bar{d}P_{R}\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)}  \frac{{}^{4}G_{F}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu\nu\rho\sigma}s)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e) $	$\mathbf{C}$

#### ${\tt sdtaumu}$

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

#### sdnunu

WC name	Operator	Type
Ldsee	$\frac{4G_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{\nu}_e\gamma^\mu\nu_e)$	С
Rdsee	$\frac{4\overset{Q^{2}}{G_{F}}}{\sqrt{2}}(\bar{d}P_{L}\gamma_{\mu}s)(\bar{ u}_{e}\gamma^{\mu} u_{e})$	$\mathbf{C}$
Ldsmumu	$rac{4ar{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
Rdsmumu	$rac{4reve{G_F}}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_\mu)$	$\mathbf{C}$
Ldstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
Rdstautau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_ au)$	$^{\mathrm{C}}$
Ldsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_e\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
Rdsemu	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
Ldsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_\mu\gamma^\mu u_e)$	$^{\mathrm{C}}$
Rdsmue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_\mu\gamma^\mu u_e)$	$^{\mathrm{C}}$
Ldsetau	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_R\gamma_\mu s)(\bar{ u}_e\gamma^\mu u_ au)$	$^{\mathrm{C}}$
Rdsetau	$\frac{4\ddot{Q}_F^2}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_e\gamma^\mu u_ au)$	$^{\mathrm{C}}$
Ldstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_e)$	$^{\mathrm{C}}$
Rdstaue	$\frac{4\tilde{G}_F}{\sqrt{2}}(\bar{d}P_L\gamma_\mu s)(\bar{ u}_ au\gamma^\mu u_e)$	$^{\mathrm{C}}$
Ldstaumu	$\frac{4\tilde{G}_F}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_ au\gamma^\mu u_\mu)$	$^{\mathrm{C}}$
Rdstaumu	$\frac{4 \overset{Q^{\prime}}{N_{2}}}{\sqrt{2}} (\bar{d}P_{L}\gamma_{\mu}s)(\bar{ u}_{ au}\gamma^{\mu} u_{\mu})$	$\mathbf{C}$
Ldsmutau	$rac{4ar{Q}_F^2}{\sqrt{2}}(ar{d}P_R\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	$\mathbf{C}$
Rdsmutau	$rac{4\widetilde{G}_F^c}{\sqrt{2}}(ar{d}P_L\gamma_\mu s)(ar{ u}_\mu\gamma^\mu u_ au)$	$^{\mathrm{C}}$