

Basis flavio (EFT WET-4)

Sectors

The effective Lagrangian is defined as

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

sdsd

WC name	Operator	Type
CVLL_sdsd	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_L \gamma_\mu s_L)$	C
CVRR_sdsd	$(\bar{d}_R \gamma^\mu s_R)(\bar{d}_R \gamma_\mu s_R)$	C
CSLL_sdsd	$(\bar{d}_R s_L)(\bar{d}_R s_L)$	C
CSRR_sdsd	$(\bar{d}_L s_R)(\bar{d}_L s_R)$	C
CTLL_sdsd	$(\bar{d}_R \sigma^{\mu\nu} s_L)(\bar{d}_R \sigma_{\mu\nu} s_L)$	C
CTRR_sdsd	$(\bar{d}_L \sigma^{\mu\nu} s_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
CVLR_sdsd	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu s_R)$	C
CSLR_sdsd	$(\bar{d}_R s_L)(\bar{d}_L s_R)$	C

cucu

WC name	Operator	Type
CVLL_ucuc	$(\bar{c}_L \gamma^\mu u_L)(\bar{c}_L \gamma_\mu u_L)$	C
CVRR_ucuc	$(\bar{c}_R \gamma^\mu u_R)(\bar{c}_R \gamma_\mu u_R)$	C
CSLL_ucuc	$(\bar{c}_R u_L)(\bar{c}_R u_L)$	C
CSRR_ucuc	$(\bar{c}_L u_R)(\bar{c}_L u_R)$	C
CTLL_ucuc	$(\bar{c}_R \sigma^{\mu\nu} u_L)(\bar{c}_R \sigma_{\mu\nu} u_L)$	C
CTRR_ucuc	$(\bar{c}_L \sigma^{\mu\nu} u_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
CVLR_ucuc	$(\bar{c}_L \gamma^\mu u_L)(\bar{c}_R \gamma_\mu u_R)$	C
CSLR_ucuc	$(\bar{c}_R u_L)(\bar{c}_L u_R)$	C

sd

WC name	Operator	Type
C9_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{e} \gamma_\mu e)$	C
C9p_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{e} \gamma_\mu e)$	C
C10_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{e} \gamma_\mu \gamma_5 e)$	C
C10p_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{e} \gamma_\mu \gamma_5 e)$	C

WC name	Operator	Type
CS_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} e)$	C
CSp_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} e)$	C
CP_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} \gamma_5 e)$	C
CPp_sdee	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} \gamma_5 e)$	C
C9_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu \mu)$	C
C9p_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu \mu)$	C
C10_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
C10p_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
CS_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} \mu)$	C
CSp_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} \mu)$	C
CP_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} \gamma_5 \mu)$	C
CPp_sdmumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} \gamma_5 \mu)$	C
C9_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu \tau)$	C
C9p_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu \tau)$	C
C10_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
C10p_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
CS_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} \tau)$	C
CSp_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} \tau)$	C
CP_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} \gamma_5 \tau)$	C
CPp_sdtatautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} \gamma_5 \tau)$	C
C7_sd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e}{16\pi^2} m_s (\bar{d}_L \sigma^{\mu\nu} s_R) F_{\mu\nu}$	C
C7p_sd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e}{16\pi^2} m_s (\bar{d}_R \sigma^{\mu\nu} s_L) F_{\mu\nu}$	C
C8_sd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{g_s}{16\pi^2} m_s (\bar{d}_L \sigma^{\mu\nu} T^a s_R) G_{\mu\nu}^a$	C
C8p_sd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{g_s}{16\pi^2} m_s (\bar{d}_R \sigma^{\mu\nu} T^a s_L) G_{\mu\nu}^a$	C
CVLL_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{s}_L \gamma_\mu s_L)$	C
CVLR_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{s}_R \gamma_\mu s_R)$	C
CVRL_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{s}_L \gamma_\mu s_L)$	C
CVRR_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{s}_R \gamma_\mu s_R)$	C
CSLL_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{s}_R s_L)$	C
CSLR_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{s}_L s_R)$	C
CSRL_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{s}_R s_L)$	C
CSRR_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{s}_L s_R)$	C
CTLL_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \sigma^{\mu\nu} s_L) (\bar{s}_R \sigma_{\mu\nu} s_L)$	C
CTRR_sdss	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \sigma^{\mu\nu} s_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CVLL_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{d}_L \gamma_\mu d_L)$	C

WC name	Operator	Type
CVLR_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{d}_R \gamma_\mu d_R)$	C
CVRL_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_R) (\bar{d}_L \gamma_\mu d_L)$	C
CVRR_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{d}_R \gamma_\mu d_R)$	C
CSLL_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{d}_R d_L)$	C
CSLR_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{d}_L d_R)$	C
CSRL_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{d}_R d_L)$	C
CSRR_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{d}_L d_R)$	C
CTLL_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \sigma^{\mu\nu} s_L) (\bar{d}_R \sigma_{\mu\nu} d_L)$	C
CTRR_sddd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \sigma^{\mu\nu} s_R) (\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CVLL_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{u}_L \gamma_\mu u_L)$	C
CVLR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{u}_R \gamma_\mu u_R)$	C
CVRL_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{u}_L \gamma_\mu u_L)$	C
CVRR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{u}_R \gamma_\mu u_R)$	C
CSLL_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{u}_R u_L)$	C
CSLR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{u}_L u_R)$	C
CSRL_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{u}_R u_L)$	C
CSRR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{u}_L u_R)$	C
CTLL_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \sigma^{\mu\nu} s_L) (\bar{u}_R \sigma_{\mu\nu} u_L)$	C
CTRR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \sigma^{\mu\nu} s_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CVLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta) (\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta) (\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CVRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta) (\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta) (\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CSLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta) (\bar{u}_R^\beta u_L^\alpha)$	C
CSLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta) (\bar{u}_L^\beta u_R^\alpha)$	C
CSRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta) (\bar{u}_R^\beta u_L^\alpha)$	C
CSRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta) (\bar{u}_L^\beta u_R^\alpha)$	C
CTLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \sigma^{\mu\nu} s_L^\beta) (\bar{u}_R^\beta \sigma_{\mu\nu} u_L^\alpha)$	C
CTRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \sigma^{\mu\nu} s_R^\beta) (\bar{u}_L^\beta \sigma_{\mu\nu} u_R^\alpha)$	C
CVLL_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{c}_L \gamma_\mu c_L)$	C
CVLR_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L) (\bar{c}_R \gamma_\mu c_R)$	C
CVRL_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{c}_L \gamma_\mu c_L)$	C
CVRR_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R) (\bar{c}_R \gamma_\mu c_R)$	C
CSLL_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{c}_R c_L)$	C
CSLR_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L) (\bar{c}_L c_R)$	C
CSRL_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{c}_R c_L)$	C

WC name	Operator	Type
CSRR_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L s_R) (\bar{c}_L c_R)$	C
CTLL_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \sigma^{\mu\nu} s_L) (\bar{c}_R \sigma_{\mu\nu} c_L)$	C
CTRR_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \sigma^{\mu\nu} s_R) (\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CVLLt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta) (\bar{c}_L^\beta \gamma_\mu c_L^\alpha)$	C
CVLRt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta) (\bar{c}_R^\beta \gamma_\mu c_R^\alpha)$	C
CVRLt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta) (\bar{c}_L^\beta \gamma_\mu c_L^\alpha)$	C
CVRRt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta) (\bar{c}_R^\beta \gamma_\mu c_R^\alpha)$	C
CSLLt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta) (\bar{c}_R^\beta c_L^\alpha)$	C
CSLRt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta) (\bar{c}_L^\beta c_R^\alpha)$	C
CSRLt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta) (\bar{c}_R^\beta c_L^\alpha)$	C
CSRRt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta) (\bar{c}_L^\beta c_R^\alpha)$	C
CTLLt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \sigma^{\mu\nu} s_L^\beta) (\bar{c}_R^\beta \sigma_{\mu\nu} c_L^\alpha)$	C
CTRRt_sdcc	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \sigma^{\mu\nu} s_R^\beta) (\bar{c}_L^\beta \sigma_{\mu\nu} c_R^\alpha)$	C

cu

WC name	Operator	Type
C9_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{e} \gamma_\mu e)$	C
C9p_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{e} \gamma_\mu e)$	C
C10_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{e} \gamma_\mu \gamma_5 e)$	C
C10p_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{e} \gamma_\mu \gamma_5 e)$	C
CS_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{e} e)$	C
CSp_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{e} e)$	C
CP_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{e} \gamma_5 e)$	C
CPp_cuee	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{e} \gamma_5 e)$	C
C9_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{\mu} \gamma_\mu \mu)$	C
C9p_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{\mu} \gamma_\mu \mu)$	C
C10_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
C10p_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
CS_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{\mu} \mu)$	C
CSp_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{\mu} \mu)$	C
CP_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{\mu} \gamma_5 \mu)$	C
CPp_cumumu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{\mu} \gamma_5 \mu)$	C
C9_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{\tau} \gamma_\mu \tau)$	C

WC name	Operator	Type
C9p_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{\tau} \gamma_\mu \tau)$	C
C10_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_L \gamma^\mu c_L) (\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
C10p_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} (\bar{u}_R \gamma^\mu c_R) (\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
CS_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{\tau} \tau)$	C
CSp_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{\tau} \tau)$	C
CP_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_L c_R) (\bar{\tau} \gamma_5 \tau)$	C
CPp_cutautau	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e^2}{16\pi^2} m_c (\bar{u}_R c_L) (\bar{\tau} \gamma_5 \tau)$	C
C7_cu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e}{16\pi^2} m_c (\bar{u}_L \sigma^{\mu\nu} c_R) F_{\mu\nu}$	C
C7p_cu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{e}{16\pi^2} m_c (\bar{u}_R \sigma^{\mu\nu} c_L) F_{\mu\nu}$	C
C8_cu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{g_s}{16\pi^2} m_c (\bar{u}_L \sigma^{\mu\nu} T^a c_R) G_{\mu\nu}^a$	C
C8p_cu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{g_s}{16\pi^2} m_c (\bar{u}_R \sigma^{\mu\nu} T^a c_L) G_{\mu\nu}^a$	C
CVLL_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{c}_L \gamma_\mu c_L)$	C
CVLR_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{c}_R \gamma_\mu c_R)$	C
CVRL_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{c}_L \gamma_\mu c_L)$	C
CVRR_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{c}_R \gamma_\mu c_R)$	C
CSLL_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{c}_R c_L)$	C
CSLR_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{c}_L c_R)$	C
CSRL_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{c}_R c_L)$	C
CSRR_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{c}_L c_R)$	C
CTLL_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \sigma^{\mu\nu} c_L) (\bar{c}_R \sigma_{\mu\nu} c_L)$	C
CTRR_cucc	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \sigma^{\mu\nu} c_R) (\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CVLL_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{u}_L \gamma_\mu u_L)$	C
CVLR_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{u}_R \gamma_\mu u_R)$	C
CVRL_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{u}_L \gamma_\mu u_L)$	C
CVRR_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{u}_R \gamma_\mu u_R)$	C
CSLL_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{u}_R u_L)$	C
CSLR_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{u}_L u_R)$	C
CSRL_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{u}_R u_L)$	C
CSRR_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{u}_L u_R)$	C
CTLL_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \sigma^{\mu\nu} c_L) (\bar{u}_R \sigma_{\mu\nu} u_L)$	C
CTRR_cuuu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \sigma^{\mu\nu} c_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CVLL_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{d}_L \gamma_\mu d_L)$	C
CVLR_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{d}_R \gamma_\mu d_R)$	C
CVRL_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{d}_L \gamma_\mu d_L)$	C
CVRR_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{d}_R \gamma_\mu d_R)$	C
CSLL_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{d}_R d_L)$	C

WC name	Operator	Type
CSLR_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{d}_L d_R)$	C
CSRL_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{d}_R d_L)$	C
CSRR_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{d}_L d_R)$	C
CTLL_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \sigma^{\mu\nu} c_L) (\bar{d}_R \sigma_{\mu\nu} d_L)$	C
CTRR_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \sigma^{\mu\nu} c_R) (\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CVLLt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta) (\bar{d}_L^\beta \gamma_\mu d_L^\alpha)$	C
CVLRt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta) (\bar{d}_R^\beta \gamma_\mu d_R^\alpha)$	C
CVRLt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta) (\bar{d}_L^\beta \gamma_\mu d_L^\alpha)$	C
CVRRT_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta) (\bar{d}_R^\beta \gamma_\mu d_R^\alpha)$	C
CSLLt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta) (\bar{d}_R^\beta d_L^\alpha)$	C
CSLRt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta) (\bar{d}_L^\beta d_R^\alpha)$	C
CSRLt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta) (\bar{d}_R^\beta d_L^\alpha)$	C
CSRRt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta) (\bar{d}_L^\beta d_R^\alpha)$	C
CTLLt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \sigma^{\mu\nu} c_L^\beta) (\bar{d}_R^\beta \sigma_{\mu\nu} d_L^\alpha)$	C
CTRRt_cudd	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \sigma^{\mu\nu} c_R^\beta) (\bar{d}_L^\beta \sigma_{\mu\nu} d_R^\alpha)$	C
CVLL_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{s}_L \gamma_\mu s_L)$	C
CVLR_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L) (\bar{s}_R \gamma_\mu s_R)$	C
CVRL_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{s}_L \gamma_\mu s_L)$	C
CVRRT_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R) (\bar{s}_R \gamma_\mu s_R)$	C
CSLL_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{s}_R s_L)$	C
CSLR_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L) (\bar{s}_L s_R)$	C
CSRL_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{s}_R s_L)$	C
CSRR_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R) (\bar{s}_L s_R)$	C
CTLL_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \sigma^{\mu\nu} c_L) (\bar{s}_R \sigma_{\mu\nu} s_L)$	C
CTRR_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \sigma^{\mu\nu} c_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CVLLt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta) (\bar{s}_L^\beta \gamma_\mu s_L^\alpha)$	C
CVLRt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta) (\bar{s}_R^\beta \gamma_\mu s_R^\alpha)$	C
CVRLt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta) (\bar{s}_L^\beta \gamma_\mu s_L^\alpha)$	C
CVRRT_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta) (\bar{s}_R^\beta \gamma_\mu s_R^\alpha)$	C
CSLLt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta) (\bar{s}_R^\beta s_L^\alpha)$	C
CSLRt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta) (\bar{s}_L^\beta s_R^\alpha)$	C
CSRLt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta) (\bar{s}_R^\beta s_L^\alpha)$	C
CSRRt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta) (\bar{s}_L^\beta s_R^\alpha)$	C
CTLLt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \sigma^{\mu\nu} c_L^\beta) (\bar{s}_R^\beta \sigma_{\mu\nu} s_L^\alpha)$	C
CTRRt_cuss	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \sigma^{\mu\nu} c_R^\beta) (\bar{s}_L^\beta \sigma_{\mu\nu} s_R^\alpha)$	C

sdnunu

WC name	Operator	Type
CL_sdnueue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CL_sdnumunumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CL_sdnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C
CL_sdnueumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CL_sdnumunue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CL_sdnumunutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CL_sdnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C
CL_sdnueutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CL_sdnutaunue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C
CR_sdnueue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CR_sdnumunumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CR_sdnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C
CR_sdnueumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CR_sdnumunue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CR_sdnumunutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_\mu)$	C
CR_sdnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C
CR_sdnueutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_e)$	C
CR_sdnutaunue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_\tau)$	C

sdemu

WC name	Operator	Type
C9_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu e)$	C
C9p_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu e)$	C
C10_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu \gamma_5 e)$	C
C10p_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu \gamma_5 e)$	C
CS_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} e)$	C
CSp_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} e)$	C
CP_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} \gamma_5 e)$	C
CPp_sdemu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} \gamma_5 e)$	C

sdmue

WC name	Operator	Type
C9_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{e} \gamma_\mu \mu)$	C
C9p_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{e} \gamma_\mu \mu)$	C
C10_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{e} \gamma_\mu \gamma_5 \mu)$	C
C10p_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{e} \gamma_\mu \gamma_5 \mu)$	C
CS_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} \mu)$	C
CSp_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} \mu)$	C
CP_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} \gamma_5 \mu)$	C
CPp_sdmue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} \gamma_5 \mu)$	C

sdetau

WC name	Operator	Type
C9_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu e)$	C
C9p_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu e)$	C
C10_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu \gamma_5 e)$	C
C10p_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu \gamma_5 e)$	C
CS_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} e)$	C
CSp_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} e)$	C
CP_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} \gamma_5 e)$	C
CPp_sdetau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} \gamma_5 e)$	C

sdttau

WC name	Operator	Type
C9_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{e} \gamma_\mu \tau)$	C
C9p_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{e} \gamma_\mu \tau)$	C
C10_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{e} \gamma_\mu \gamma_5 \tau)$	C
C10p_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{e} \gamma_\mu \gamma_5 \tau)$	C
CS_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} \tau)$	C
CSp_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} \tau)$	C
CP_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{e} \gamma_5 \tau)$	C
CPp_sdttau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{e} \gamma_5 \tau)$	C

sdmutau

WC name	Operator	Type
C9_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu \mu)$	C
C9p_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu \mu)$	C
C10_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\tau} \gamma_\mu \gamma_5 \mu)$	C
C10p_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\tau} \gamma_\mu \gamma_5 \mu)$	C
CS_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} \mu)$	C
CSp_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} \mu)$	C
CP_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\tau} \gamma_5 \mu)$	C
CPp_sdmutau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\tau} \gamma_5 \mu)$	C

sdtauu

WC name	Operator	Type
C9_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu \tau)$	C
C9p_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu \tau)$	C
C10_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L) (\bar{\mu} \gamma_\mu \gamma_5 \tau)$	C
C10p_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R) (\bar{\mu} \gamma_\mu \gamma_5 \tau)$	C
CS_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} \tau)$	C
CSp_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} \tau)$	C
CP_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R) (\bar{\mu} \gamma_5 \tau)$	C
CPp_sdtauu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L) (\bar{\mu} \gamma_5 \tau)$	C

usenu

WC name	Operator	Type
CVL_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVR_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CSR_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L s_R) (\bar{e}_R \nu_{eL})$	C
CSL_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R s_L) (\bar{e}_R \nu_{eL})$	C
CT_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \sigma^{\mu\nu} s_L) (\bar{e}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CVR_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CSR_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L s_R) (\bar{e}_R \nu_{\mu L})$	C
CSL_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R s_L) (\bar{e}_R \nu_{\mu L})$	C

WC name	Operator	Type
CT_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CVR_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CSR_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{e}_R \nu_{\tau L})$	C
CSL_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{e}_R \nu_{\tau L})$	C
CT_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

csenu

WC name	Operator	Type
CVL_scenue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVR_scenue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CSR_scenue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{e}_R \nu_{eL})$	C
CSL_scenue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{e}_R \nu_{eL})$	C
CT_scenue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_scenumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CVR_scenumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CSR_scenumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{e}_R \nu_{\mu L})$	C
CSL_scenumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{e}_R \nu_{\mu L})$	C
CT_scenumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_scenutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CVR_scenutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CSR_scenutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{e}_R \nu_{\tau L})$	C
CSL_scenutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{e}_R \nu_{\tau L})$	C
CT_scenutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

cdenu

WC name	Operator	Type
CVL_dcenue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVR_dcenue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CSR_dcenue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{e}_R \nu_{eL})$	C
CSL_dcenue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{e}_R \nu_{eL})$	C
CT_dcenue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_dcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CVR_dcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C

WC name	Operator	Type
CSR_dcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{e}_R \nu_{\mu L})$	C
CSL_dcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{e}_R \nu_{\mu L})$	C
CT_dcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_dcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CVR_dcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CSR_dcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{e}_R \nu_{\tau L})$	C
CSL_dcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{e}_R \nu_{\tau L})$	C
CT_dcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

usmunu

WC name	Operator	Type
CVL_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVR_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CSR_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{\mu}_R \nu_{eL})$	C
CSL_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\mu}_R \nu_{eL})$	C
CT_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CVR_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CSR_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{\mu}_R \nu_{\mu L})$	C
CSL_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\mu}_R \nu_{\mu L})$	C
CT_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CVR_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CSR_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{\mu}_R \nu_{\tau L})$	C
CSL_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\mu}_R \nu_{\tau L})$	C
CT_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

csmunu

WC name	Operator	Type
CVL_scmunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVR_scmunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CSR_scmunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{\mu}_R \nu_{eL})$	C
CSL_scmunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{\mu}_R \nu_{eL})$	C
CT_scmunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{eL})$	C

WC name	Operator	Type
CVL_scmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_L \gamma^\mu s_L) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CVR_scmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R \gamma^\mu s_R) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CSR_scmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_L s_R) (\bar{\mu}_R \nu_{\mu L})$	C
CSL_scmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R s_L) (\bar{\mu}_R \nu_{\mu L})$	C
CT_scmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R \sigma^{\mu\nu} s_L) (\bar{\mu}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_scmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_L \gamma^\mu s_L) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CVR_scmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R \gamma^\mu s_R) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CSR_scmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_L s_R) (\bar{\mu}_R \nu_{\tau L})$	C
CSL_scmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R s_L) (\bar{\mu}_R \nu_{\tau L})$	C
CT_scmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs} (\bar{c}_R \sigma^{\mu\nu} s_L) (\bar{\mu}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

cdmunu

WC name	Operator	Type
CVL_dcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L \gamma^\mu d_L) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVR_dcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \gamma^\mu d_R) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CSR_dcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L d_R) (\bar{\mu}_R \nu_{eL})$	C
CSL_dcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R d_L) (\bar{\mu}_R \nu_{eL})$	C
CT_dcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \sigma^{\mu\nu} d_L) (\bar{\mu}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_dcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L \gamma^\mu d_L) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CVR_dcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \gamma^\mu d_R) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CSR_dcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L d_R) (\bar{\mu}_R \nu_{\mu L})$	C
CSL_dcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R d_L) (\bar{\mu}_R \nu_{\mu L})$	C
CT_dcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \sigma^{\mu\nu} d_L) (\bar{\mu}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_dcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L \gamma^\mu d_L) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CVR_dcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \gamma^\mu d_R) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CSR_dcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_L d_R) (\bar{\mu}_R \nu_{\tau L})$	C
CSL_dcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R d_L) (\bar{\mu}_R \nu_{\tau L})$	C
CT_dcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd} (\bar{c}_R \sigma^{\mu\nu} d_L) (\bar{\mu}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

ustaunu

WC name	Operator	Type
CVL_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVR_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CSR_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L s_R) (\bar{\tau}_R \nu_{eL})$	C

WC name	Operator	Type
CSL_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\tau}_R \nu_{eL})$	C
CT_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVR_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CSR_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSL_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\tau}_R \nu_{\mu L})$	C
CT_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L \gamma^\mu s_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVR_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \gamma^\mu s_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CSR_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L s_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSL_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R s_L)(\bar{\tau}_R \nu_{\tau L})$	C
CT_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

cstaunu

WC name	Operator	Type
CVL_sctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVR_sctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CSR_sctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{\tau}_R \nu_{eL})$	C
CSL_sctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{\tau}_R \nu_{eL})$	C
CT_sctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_sctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVR_sctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CSR_sctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSL_sctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{\tau}_R \nu_{\mu L})$	C
CT_sctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_sctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L \gamma^\mu s_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVR_sctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \gamma^\mu s_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CSR_sctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_L s_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSL_sctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R s_L)(\bar{\tau}_R \nu_{\tau L})$	C
CT_sctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cs}(\bar{c}_R \sigma^{\mu\nu} s_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

cdtaunu

WC name	Operator	Type
CVL_dctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVR_dctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CSR_dctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{\tau}_R \nu_{eL})$	C
CSL_dctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{\tau}_R \nu_{eL})$	C
CT_dctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_dctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVR_dctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CSR_dctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSL_dctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{\tau}_R \nu_{\mu L})$	C
CT_dctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_dctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVR_dctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CSR_dctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_L d_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSL_dctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R d_L)(\bar{\tau}_R \nu_{\tau L})$	C
CT_dctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cd}(\bar{c}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

udenu

WC name	Operator	Type
CVL_duenue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVR_duenue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{eL})$	C
CSR_duenue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{e}_R \nu_{eL})$	C
CSL_duenue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{e}_R \nu_{eL})$	C
CT_duenue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_duenumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CVR_duenumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CSR_duenumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{e}_R \nu_{\mu L})$	C
CSL_duenumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{e}_R \nu_{\mu L})$	C
CT_duenumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_duenutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CVR_duenutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CSR_duenutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{e}_R \nu_{\tau L})$	C
CSL_duenutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{e}_R \nu_{\tau L})$	C
CT_duenutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{e}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

udmunu

WC name	Operator	Type
CVL_dumunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVR_dumunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CSR_dumunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\mu}_R \nu_{eL})$	C
CSL_dumunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\mu}_R \nu_{eL})$	C
CT_dumunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_dumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CVR_dumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CSR_dumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\mu}_R \nu_{\mu L})$	C
CSL_dumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\mu}_R \nu_{\mu L})$	C
CT_dumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_dumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CVR_dumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CSR_dumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\mu}_R \nu_{\tau L})$	C
CSL_dumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\mu}_R \nu_{\tau L})$	C
CT_dumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\mu}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

udtaunu

WC name	Operator	Type
CVL_dutaunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVR_dutaunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CSR_dutaunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\tau}_R \nu_{eL})$	C
CSL_dutaunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\tau}_R \nu_{eL})$	C
CT_dutaunue	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{eL})$	C
CVL_dutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVR_dutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CSR_dutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSL_dutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\tau}_R \nu_{\mu L})$	C
CT_dutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\mu L})$	C
CVL_dutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L \gamma^\mu d_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVR_dutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \gamma^\mu d_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CSR_dutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_L d_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSL_dutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R d_L)(\bar{\tau}_R \nu_{\tau L})$	C
CT_dutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ud}(\bar{u}_R \sigma^{\mu\nu} d_L)(\bar{\tau}_R \sigma_{\mu\nu} \nu_{\tau L})$	C

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WC name	Operator	Type
CG	$\frac{4G_F}{\sqrt{2}} f^{ABC} G_\mu^{A\nu} G_\nu^{B\rho} G_\rho^{C\mu}$	R
CGtilde	$\frac{4G_F}{\sqrt{2}} f^{ABC} \tilde{G}_\mu^{A\nu} G_\nu^{B\rho} G_\rho^{C\mu}$	R
C7_uu	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_u \bar{u}_L \sigma^{\mu\nu} u_R F_{\mu\nu}$	C
C7_cc	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_c \bar{c}_L \sigma^{\mu\nu} c_R F_{\mu\nu}$	C
C7_dd	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_d \bar{d}_L \sigma^{\mu\nu} d_R F_{\mu\nu}$	C
C7_ss	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_s \bar{s}_L \sigma^{\mu\nu} s_R F_{\mu\nu}$	C
C7_ee	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_e \bar{e}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C
C7_mumu	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_\mu \bar{\mu}_L \sigma^{\mu\nu} \mu_R F_{\mu\nu}$	C
C7_tautau	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_\tau \bar{\tau}_L \sigma^{\mu\nu} \tau_R F_{\mu\nu}$	C
C8_uu	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_u \bar{u}_L \sigma^{\mu\nu} T^A u_R G_{\mu\nu}^A$	C
C8_cc	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_c \bar{c}_L \sigma^{\mu\nu} T^A c_R G_{\mu\nu}^A$	C
C8_dd	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_d \bar{d}_L \sigma^{\mu\nu} T^A d_R G_{\mu\nu}^A$	C
C8_ss	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_s \bar{s}_L \sigma^{\mu\nu} T^A s_R G_{\mu\nu}^A$	C
CTRR_eeuu	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_mumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_tautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_eedd	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R) (\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_eess	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_mumudd	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R) (\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_mumuss	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_tautaudd	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R) (\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_tautauss	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CS1RR_uuuu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L u_R) (\bar{u}_L u_R)$	C
CS8RR_uuuu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L T^A u_R) (\bar{u}_L T^A u_R)$	C
CS1RR_uudd	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L u_R) (\bar{d}_L d_R)$	C
CS1RR_uuss	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L u_R) (\bar{s}_L s_R)$	C
CS8RR_uudd	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L T^A u_R) (\bar{d}_L T^A d_R)$	C
CS8RR_uuss	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L T^A u_R) (\bar{s}_L T^A s_R)$	C
CS1RR_dddd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L d_R) (\bar{d}_L d_R)$	C
CS1RR_ddss	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L d_R) (\bar{s}_L s_R)$	C
CS1RR_dssd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L s_R) (\bar{s}_L d_R)$	C
CS1RR_ssss	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L s_R) (\bar{s}_L s_R)$	C
CS8RR_dddd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L T^A d_R) (\bar{d}_L T^A d_R)$	C
CS8RR_ddss	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L T^A d_R) (\bar{s}_L T^A s_R)$	C
CS8RR_dssd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L T^A s_R) (\bar{s}_L T^A d_R)$	C
CS8RR_ssss	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L T^A s_R) (\bar{s}_L T^A s_R)$	C
CS1RR_uddu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L d_R) (\bar{d}_L u_R)$	C

WC name	Operator	Type
CS1RR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L s_R)(\bar{s}_L u_R)$	C
CS8RR_uddu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A d_R)(\bar{d}_L T^A u_R)$	C
CS8RR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A s_R)(\bar{s}_L T^A u_R)$	C
CS1RR_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L c_R)(\bar{c}_L c_R)$	C
CS1RR_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L c_R)(\bar{d}_L d_R)$	C
CS1RR_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L c_R)(\bar{s}_L s_R)$	C
CS1RR_cddc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L d_R)(\bar{d}_L c_R)$	C
CS1RR_cssc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L s_R)(\bar{s}_L c_R)$	C
CS1RR_uccu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L c_R)(\bar{c}_L u_R)$	C
CS1RR_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L u_R)(\bar{c}_L c_R)$	C
CS8RR_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A c_R)(\bar{c}_L T^A c_R)$	C
CS8RR_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A c_R)(\bar{d}_L T^A d_R)$	C
CS8RR_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A c_R)(\bar{s}_L T^A s_R)$	C
CS8RR_cddc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A d_R)(\bar{d}_L T^A c_R)$	C
CS8RR_cssc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A s_R)(\bar{s}_L T^A c_R)$	C
CS8RR_uccu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A c_R)(\bar{c}_L T^A u_R)$	C
CS8RR_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A u_R)(\bar{c}_L T^A c_R)$	C
CSRL_eecc	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{c}_R c_L)$	C
CSRL_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{d}_R d_L)$	C
CSRL_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{s}_R s_L)$	C
CSRL_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{u}_R u_L)$	C
CSRL_mumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{c}_R c_L)$	C
CSRL_mumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{d}_R d_L)$	C
CSRL_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{s}_R s_L)$	C
CSRL_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{u}_R u_L)$	C
CSRL_tautaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L \tau_R)(\bar{c}_R c_L)$	C
CSRL_tautaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L \tau_R)(\bar{d}_R d_L)$	C
CSRL_tautauss	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L \tau_R)(\bar{s}_R s_L)$	C
CSRL_tautauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L \tau_R)(\bar{u}_R u_L)$	C
CSRR_eecc	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{c}_L c_R)$	C
CSRR_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{d}_L d_R)$	C
CSRR_eeee	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{e}_L e_R)$	C
CSRR_eemumu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{\mu}_L \mu_R)$	C
CSRR_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{s}_L s_R)$	C
CSRR_eetautau	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{\tau}_L \tau_R)$	C
CSRR_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{u}_L u_R)$	C
CSRR_emumue	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L \mu_R)(\bar{\mu}_L e_R)$	C

WC name	Operator	Type
CSRR_etautauae	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \tau_R) (\bar{\tau}_L e_R)$	C
CSRR_mumucc	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{c}_L c_R)$	C
CSRR_mumudd	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{d}_L d_R)$	C
CSRR_mumumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{\mu}_L \mu_R)$	C
CSRR_mumus	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{s}_L s_R)$	C
CSRR_mumutautau	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{\tau}_L \tau_R)$	C
CSRR_mumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \mu_R) (\bar{u}_L u_R)$	C
CSRR_mutautau	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \tau_R) (\bar{\tau}_L \mu_R)$	C
CSRR_tautaucc	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \tau_R) (\bar{c}_L c_R)$	C
CSRR_tautaudd	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \tau_R) (\bar{d}_L d_R)$	C
CSRR_tautaus	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \tau_R) (\bar{s}_L s_R)$	C
CSRR_tautautautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \tau_R) (\bar{\tau}_L \tau_R)$	C
CSRR_tautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \tau_R) (\bar{u}_L u_R)$	C
CTRR_eecc	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R) (\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CTRR_mumucc	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R) (\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CTRR_tautaucc	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R) (\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CV1LL_ccdd	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{d}_L \gamma_\mu d_L)$	R
CV1LL_ccss	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{s}_L \gamma_\mu s_L)$	R
CV1LL_uudd	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu u_L) (\bar{d}_L \gamma_\mu d_L)$	R
CV1LL_uuss	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu u_L) (\bar{s}_L \gamma_\mu s_L)$	R
CV1LR_cccc	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{c}_R \gamma_\mu c_R)$	R
CV1LR_ccdd	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{d}_R \gamma_\mu d_R)$	R
CV1LR_ccss	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{s}_R \gamma_\mu s_R)$	R
CV1LR_ccuu	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu c_L) (\bar{u}_R \gamma_\mu u_R)$	R
CV1LR_cddc	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu d_L) (\bar{d}_R \gamma_\mu c_R)$	C
CV1LR_cssc	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L \gamma^\mu s_L) (\bar{s}_R \gamma_\mu c_R)$	C
CV1LR_ddcc	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L \gamma^\mu d_L) (\bar{c}_R \gamma_\mu c_R)$	R
CV1LR_ddd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L \gamma^\mu d_L) (\bar{d}_R \gamma_\mu d_R)$	R
CV1LR_ddss	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L \gamma^\mu d_L) (\bar{s}_R \gamma_\mu s_R)$	R
CV1LR_dduu	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L \gamma^\mu d_L) (\bar{u}_R \gamma_\mu u_R)$	R
CV1LR_dssd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_L \gamma^\mu s_L) (\bar{s}_R \gamma_\mu d_R)$	C
CV1LR_sscc	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{c}_R \gamma_\mu c_R)$	R
CV1LR_ssdd	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{d}_R \gamma_\mu d_R)$	R
CV1LR_ssss	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{s}_R \gamma_\mu s_R)$	R
CV1LR_ssuu	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{u}_R \gamma_\mu u_R)$	R
CV1LR_uccu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu c_L) (\bar{c}_R \gamma_\mu u_R)$	C
CV1LR_uddu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu d_L) (\bar{d}_R \gamma_\mu u_R)$	C

WC name	Operator	Type
CV1LR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu s_L)(\bar{s}_R\gamma_\mu u_R)$	C
CV1LR_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{c}_R\gamma_\mu c_R)$	R
CV1LR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{d}_R\gamma_\mu d_R)$	R
CV1LR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{s}_R\gamma_\mu s_R)$	R
CV1LR_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{u}_R\gamma_\mu u_R)$	R
CV1RR_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu c_R)(\bar{d}_R\gamma_\mu d_R)$	R
CV1RR_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu c_R)(\bar{s}_R\gamma_\mu s_R)$	R
CV1RR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu u_R)(\bar{d}_R\gamma_\mu d_R)$	R
CV1RR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu u_R)(\bar{s}_R\gamma_\mu s_R)$	R
CV8LL_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{d}_L\gamma_\mu T^A d_L)$	R
CV8LL_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{s}_L\gamma_\mu T^A s_L)$	R
CV8LL_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{d}_L\gamma_\mu T^A d_L)$	R
CV8LL_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{s}_L\gamma_\mu T^A s_L)$	R
CV8LR_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{c}_R\gamma_\mu T^A c_R)$	R
CV8LR_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8LR_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CV8LR_ccuu	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{u}_R\gamma_\mu T^A u_R)$	R
CV8LR_cddc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A d_L)(\bar{d}_R\gamma_\mu T^A c_R)$	C
CV8LR_cssc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A s_L)(\bar{s}_R\gamma_\mu T^A c_R)$	C
CV8LR_ddcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A d_L)(\bar{c}_R\gamma_\mu T^A c_R)$	R
CV8LR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A d_L)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8LR_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A d_L)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CV8LR_dduu	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A d_L)(\bar{u}_R\gamma_\mu T^A u_R)$	R
CV8LR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A s_L)(\bar{s}_R\gamma_\mu T^A d_R)$	C
CV8LR_sscc	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A s_L)(\bar{c}_R\gamma_\mu T^A c_R)$	R
CV8LR_ssdd	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A s_L)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8LR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A s_L)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CV8LR_ssuu	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A s_L)(\bar{u}_R\gamma_\mu T^A u_R)$	R
CV8LR_uccu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A c_L)(\bar{c}_R\gamma_\mu T^A u_R)$	C
CV8LR_uddu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A d_L)(\bar{d}_R\gamma_\mu T^A u_R)$	C
CV8LR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A s_L)(\bar{s}_R\gamma_\mu T^A u_R)$	C
CV8LR_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{c}_R\gamma_\mu T^A c_R)$	R
CV8LR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8LR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CV8LR_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{u}_R\gamma_\mu T^A u_R)$	R
CV8RR_ccdd	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu T^A c_R)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8RR_ccss	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu T^A c_R)(\bar{s}_R\gamma_\mu T^A s_R)$	R

WC name	Operator	Type
CV8RR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu T^A u_R)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8RR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu T^A u_R)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CVLL_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu d_L)$	R
CVLL_eecc	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_eeee	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{e}_L\gamma_\mu e_L)$	R
CVLL_eemumu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{\mu}_L\gamma_\mu \mu_L)$	R
CVLL_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_eetautau	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{\tau}_L\gamma_\mu \tau_L)$	R
CVLL_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_mumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_mumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_mumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{\mu}_L\gamma_\mu \mu_L)$	R
CVLL_mumus	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_mumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{\tau}_L\gamma_\mu \tau_L)$	R
CVLL_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_tautaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_tautaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_tautaus	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_tautautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{\tau}_L\gamma_\mu \tau_L)$	R
CVLL_tautauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_uccu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu u_L)$	R
CVLL_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{u}_L\gamma_\mu u_L)$	R
CVLR_ccee	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_ccmumu	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	R
CVLR_cctautau	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{\tau}_R\gamma_\mu \tau_R)$	R
CVLR_ddee	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_ddmumu	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	R
CVLR_ddtatautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{\tau}_R\gamma_\mu \tau_R)$	R
CVLR_eecc	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{c}_R\gamma_\mu c_R)$	R
CVLR_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{d}_R\gamma_\mu d_R)$	R
CVLR_eeee	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{e}_R\gamma_\mu e_R)$	R

WC name	Operator	Type
CVLR_eemumu	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu e_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVLR_eess	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu e_L) (\bar{s}_R \gamma_\mu s_R)$	R
CVLR_eetautau	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu e_L) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVLR_eeuu	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu e_L) (\bar{u}_R \gamma_\mu u_R)$	R
CVLR_emumue	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu \mu_L) (\bar{\mu}_R \gamma_\mu e_R)$	C
CVLR_etautau	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \gamma^\mu \tau_L) (\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_mumucc	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{c}_R \gamma_\mu c_R)$	R
CVLR_mumudd	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{d}_R \gamma_\mu d_R)$	R
CVLR_mumuee	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{e}_R \gamma_\mu e_R)$	R
CVLR_mumumumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVLR_mumus	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{s}_R \gamma_\mu s_R)$	R
CVLR_mumutautau	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVLR_mumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{u}_R \gamma_\mu u_R)$	R
CVLR_mutautau	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \gamma^\mu \tau_L) (\bar{\tau}_R \gamma_\mu \mu_R)$	C
CVLR_ssee	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{e}_R \gamma_\mu e_R)$	R
CVLR_ssmumu	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVLR_sstautau	$\frac{4G_F}{\sqrt{2}} (\bar{s}_L \gamma^\mu s_L) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVLR_tautaucc	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{c}_R \gamma_\mu c_R)$	R
CVLR_tautaudd	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{d}_R \gamma_\mu d_R)$	R
CVLR_tautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{e}_R \gamma_\mu e_R)$	R
CVLR_tautaumumu	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVLR_tautaus	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{s}_R \gamma_\mu s_R)$	R
CVLR_tautautautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVLR_tautauuu	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \gamma^\mu \tau_L) (\bar{u}_R \gamma_\mu u_R)$	R
CVLR_uuee	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu u_L) (\bar{e}_R \gamma_\mu e_R)$	R
CVLR_uumumu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu u_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVLR_uutautau	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L \gamma^\mu u_L) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVRR_cccc	$\frac{4G_F}{\sqrt{2}} (\bar{c}_R \gamma^\mu c_R) (\bar{c}_R \gamma_\mu c_R)$	R
CVRR_ddd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_R \gamma^\mu d_R) (\bar{d}_R \gamma_\mu d_R)$	R
CVRR_ddss	$\frac{4G_F}{\sqrt{2}} (\bar{d}_R \gamma^\mu d_R) (\bar{s}_R \gamma_\mu s_R)$	R
CVRR_dssd	$\frac{4G_F}{\sqrt{2}} (\bar{d}_R \gamma^\mu s_R) (\bar{s}_R \gamma_\mu d_R)$	R
CVRR_eecc	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{c}_R \gamma_\mu c_R)$	R
CVRR_eedd	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{d}_R \gamma_\mu d_R)$	R
CVRR_eeee	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{e}_R \gamma_\mu e_R)$	R
CVRR_eemumu	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVRR_eess	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{s}_R \gamma_\mu s_R)$	R
CVRR_eetautau	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{\tau}_R \gamma_\mu \tau_R)$	R

WC name	Operator	Type
CVRR_eeuu	$\frac{4G_F}{\sqrt{2}} (\bar{e}_R \gamma^\mu e_R) (\bar{u}_R \gamma_\mu u_R)$	R
CVRR_mumucc	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{c}_R \gamma_\mu c_R)$	R
CVRR_mumudd	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{d}_R \gamma_\mu d_R)$	R
CVRR_mumumu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{\mu}_R \gamma_\mu \mu_R)$	R
CVRR_mumuss	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{s}_R \gamma_\mu s_R)$	R
CVRR_mumutautau	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVRR_mumuuu	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_R \gamma^\mu \mu_R) (\bar{u}_R \gamma_\mu u_R)$	R
CVRR_ssss	$\frac{4G_F}{\sqrt{2}} (\bar{s}_R \gamma^\mu s_R) (\bar{s}_R \gamma_\mu s_R)$	R
CVRR_tautaucc	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_R \gamma^\mu \tau_R) (\bar{c}_R \gamma_\mu c_R)$	R
CVRR_tautaudd	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_R \gamma^\mu \tau_R) (\bar{d}_R \gamma_\mu d_R)$	R
CVRR_tautauss	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_R \gamma^\mu \tau_R) (\bar{s}_R \gamma_\mu s_R)$	R
CVRR_tautautautau	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_R \gamma^\mu \tau_R) (\bar{\tau}_R \gamma_\mu \tau_R)$	R
CVRR_tautauuu	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_R \gamma^\mu \tau_R) (\bar{u}_R \gamma_\mu u_R)$	R
CVRR_uccu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_R \gamma^\mu c_R) (\bar{c}_R \gamma_\mu u_R)$	R
CVRR_uucc	$\frac{4G_F}{\sqrt{2}} (\bar{u}_R \gamma^\mu u_R) (\bar{c}_R \gamma_\mu c_R)$	R
CVRR_uuuu	$\frac{4G_F}{\sqrt{2}} (\bar{u}_R \gamma^\mu u_R) (\bar{u}_R \gamma_\mu u_R)$	R

mue

WC name	Operator	Type
Cgamma_mue	$\bar{e}_L \sigma^{\mu\nu} \mu_R F_{\mu\nu}$	C
Cgamma_emu	$\bar{\mu}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C
CVLL_eemue	$(\bar{e}_L \gamma^\mu e_L) (\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_muemumu	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{\mu}_L \gamma_\mu \mu_L)$	C
CVLL_muetautau	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{\tau}_L \gamma_\mu \tau_L)$	C
CVLL_mueuu	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{u}_L \gamma_\mu u_L)$	C
CVLL_muecc	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{c}_L \gamma_\mu c_L)$	C
CVLL_muedd	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{d}_L \gamma_\mu d_L)$	C
CVLL_muess	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{s}_L \gamma_\mu s_L)$	C
CVRR_eemue	$(\bar{e}_R \gamma^\mu e_R) (\bar{e}_R \gamma_\mu \mu_R)$	C
CVRR_muemumu	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVRR_muetautau	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVRR_mueuu	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{u}_R \gamma_\mu u_R)$	C
CVRR_muecc	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{c}_R \gamma_\mu c_R)$	C
CVRR_muedd	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{d}_R \gamma_\mu d_R)$	C
CVRR_muess	$(\bar{e}_R \gamma^\mu \mu_R) (\bar{s}_R \gamma_\mu s_R)$	C
CVLR_eemue	$(\bar{e}_L \gamma^\mu e_L) (\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_mueee	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{e}_R \gamma_\mu e_R)$	C
CVLR_muemumu	$(\bar{e}_L \gamma^\mu \mu_L) (\bar{\mu}_R \gamma_\mu \mu_R)$	C

WC name	Operator	Type
CVLR_muetautau	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVLR_tauemutau	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
CVLR_mumumue	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_tauumetau	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_tautaumue	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_mueuu	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	C
CVLR_muecc	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{c}_R \gamma_\mu c_R)$	C
CVLR_muedd	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu d_R)$	C
CVLR_muess	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu s_R)$	C
CVLR_uumue	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_ccmue	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_ddmue	$(\bar{d}_L \gamma^\mu d_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_ssmue	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CSRL_mueuu	$(\bar{e}_L \mu_R)(\bar{u}_R u_L)$	C
CSRL_muecc	$(\bar{e}_L \mu_R)(\bar{c}_R c_L)$	C
CSRL_emuuu	$(\bar{\mu}_L e_R)(\bar{u}_R u_L)$	C
CSRL_emucc	$(\bar{\mu}_L e_R)(\bar{c}_R c_L)$	C
CSRL_muedd	$(\bar{e}_L \mu_R)(\bar{d}_R d_L)$	C
CSRL_muess	$(\bar{e}_L \mu_R)(\bar{s}_R s_L)$	C
CSRL_emudd	$(\bar{\mu}_L e_R)(\bar{d}_R d_L)$	C
CSRL_emuss	$(\bar{\mu}_L e_R)(\bar{s}_R s_L)$	C
CSRR_eemue	$(\bar{e}_L e_R)(\bar{e}_L \mu_R)$	C
CSRR_eeemu	$(\bar{e}_L e_R)(\bar{\mu}_L e_R)$	C
CSRR_muemumu	$(\bar{e}_L \mu_R)(\bar{\mu}_L \mu_R)$	C
CSRR_muetautau	$(\bar{e}_L \mu_R)(\bar{\tau}_L \tau_R)$	C
CSRR_tauemutau	$(\bar{e}_L \tau_R)(\bar{\tau}_L \mu_R)$	C
CSRR_emumumu	$(\bar{\mu}_L e_R)(\bar{\mu}_L \mu_R)$	C
CSRR_emutautau	$(\bar{\mu}_L e_R)(\bar{\tau}_L \tau_R)$	C
CSRR_tauumetau	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L e_R)$	C
CSRR_mueuu	$(\bar{e}_L \mu_R)(\bar{u}_L u_R)$	C
CSRR_muecc	$(\bar{e}_L \mu_R)(\bar{c}_L c_R)$	C
CSRR_emuuu	$(\bar{\mu}_L e_R)(\bar{u}_L u_R)$	C
CSRR_emucc	$(\bar{\mu}_L e_R)(\bar{c}_L c_R)$	C
CTRR_mueuu	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_muecc	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CTRR_emuuu	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_emucc	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CSRR_muedd	$(\bar{e}_L \mu_R)(\bar{d}_L d_R)$	C
CSRR_muess	$(\bar{e}_L \mu_R)(\bar{s}_L s_R)$	C
CSRR_emudd	$(\bar{\mu}_L e_R)(\bar{d}_L d_R)$	C
CSRR_emuss	$(\bar{\mu}_L e_R)(\bar{s}_L s_R)$	C
CTRR_muedd	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_muess	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_emudd	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C

WC name	Operator	Type
CTRR_emuss	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C

mutau

WC name	Operator	Type
Cgamma_tauumu	$\bar{\mu}_L \sigma^{\mu\nu} \tau_R F_{\mu\nu}$	C
Cgamma_mutau	$\bar{\tau}_L \sigma^{\mu\nu} \mu_R F_{\mu\nu}$	C
CVLL_eetaumu	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_mumutauumu	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_taumutautau	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
CVLL_tauumuuu	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu u_L)$	C
CVLL_tauumucc	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu c_L)$	C
CVLL_tauumudd	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	C
CVLL_tauumuss	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	C
CVRR_eetaumu	$(\bar{e}_R \gamma^\mu e_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVRR_mumutauumu	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVRR_taumutautau	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVRR_tauumuuu	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu u_R)$	C
CVRR_tauumucc	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu c_R)$	C
CVRR_tauumudd	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu d_R)$	C
CVRR_tauumuss	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu s_R)$	C
CVLR_eetaumu	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_mueetau	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_tauueemu	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
CVLR_mumutauumu	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_tauumuee	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu e_R)$	C
CVLR_tauumumumu	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVLR_taumutautau	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVLR_tautautauumu	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_tauumuuu	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu u_R)$	C
CVLR_tauumucc	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu c_R)$	C
CVLR_tauumudd	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu d_R)$	C
CVLR_tauumuss	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu s_R)$	C
CVLR_uutauumu	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_cctauumu	$(\bar{c}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_ddtauumu	$(\bar{d}_L \gamma^\mu d_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_sstauumu	$(\bar{s}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CSRL_tauumuuu	$(\bar{\mu}_L \tau_R)(\bar{u}_R u_L)$	C
CSRL_tauumucc	$(\bar{\mu}_L \tau_R)(\bar{c}_R c_L)$	C
CSRL_mutauuu	$(\bar{\tau}_L \mu_R)(\bar{u}_R u_L)$	C
CSRL_mutaucc	$(\bar{\tau}_L \mu_R)(\bar{c}_R c_L)$	C
CSRL_tauumudd	$(\bar{\mu}_L \tau_R)(\bar{d}_R d_L)$	C

WC name	Operator	Type
CSRL_taumuss	$(\bar{\mu}_L \tau_R)(\bar{s}_R s_L)$	C
CSRL_mutaodd	$(\bar{\tau}_L \mu_R)(\bar{d}_R d_L)$	C
CSRL_mutauss	$(\bar{\tau}_L \mu_R)(\bar{s}_R s_L)$	C
CSRR_eetaumu	$(\bar{e}_L e_R)(\bar{\mu}_L \tau_R)$	C
CSRR_eemutau	$(\bar{e}_L e_R)(\bar{\tau}_L \mu_R)$	C
CSRR_mueetau	$(\bar{e}_L \mu_R)(\bar{\tau}_L e_R)$	C
CSRR_taeemu	$(\bar{e}_L \tau_R)(\bar{\mu}_L e_R)$	C
CSRR_mumutau	$(\bar{\mu}_L \mu_R)(\bar{\mu}_L \tau_R)$	C
CSRR_mumutau	$(\bar{\mu}_L \mu_R)(\bar{\tau}_L \mu_R)$	C
CSRR_taumutautau	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L \tau_R)$	C
CSRR_mutautautau	$(\bar{\tau}_L \mu_R)(\bar{\tau}_L \tau_R)$	C
CSRR_taumuuu	$(\bar{\mu}_L \tau_R)(\bar{u}_L u_R)$	C
CSRR_taumucc	$(\bar{\mu}_L \tau_R)(\bar{c}_L c_R)$	C
CSRR_mutauuu	$(\bar{\tau}_L \mu_R)(\bar{u}_L u_R)$	C
CSRR_mutaucc	$(\bar{\tau}_L \mu_R)(\bar{c}_L c_R)$	C
CTRR_taumuuu	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_taumucc	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CTRR_mutauuu	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_mutaucc	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CSRR_taumudd	$(\bar{\mu}_L \tau_R)(\bar{d}_L d_R)$	C
CSRR_taumuss	$(\bar{\mu}_L \tau_R)(\bar{s}_L s_R)$	C
CSRR_mutaodd	$(\bar{\tau}_L \mu_R)(\bar{d}_L d_R)$	C
CSRR_mutauss	$(\bar{\tau}_L \mu_R)(\bar{s}_L s_R)$	C
CTRR_taumudd	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_taumuss	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_mutaodd	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_mutauss	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C

taue

WC name	Operator	Type
Cgamma_tau	$\bar{e}_L \sigma^{\mu\nu} \tau_R F_{\mu\nu}$	C
Cgamma_etau	$\bar{\tau}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C
CVLL_eetaue	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_muetaumu	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_tauetautau	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
CVLL_tauueu	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu u_L)$	C
CVLL_tauuec	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu c_L)$	C
CVLL_tauedd	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	C
CVLL_tauess	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	C
CVRR_eetaue	$(\bar{e}_R \gamma^\mu e_R)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVRR_muetaumu	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C

WC name	Operator	Type
CVRR_tauetautau	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVRR_tauueuu	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu u_R)$	C
CVRR_tauuecc	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu c_R)$	C
CVRR_tauedd	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu d_R)$	C
CVRR_tauess	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu s_R)$	C
CVLR_eetaue	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_muetaumu	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_taueee	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu e_R)$	C
CVLR_tauemumu	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVLR_tauetautau	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
CVLR_mumutau	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_tauummue	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_tautautau	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_tauueuu	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu u_R)$	C
CVLR_tauuecc	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu c_R)$	C
CVLR_tauedd	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu d_R)$	C
CVLR_tauess	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu s_R)$	C
CVLR_uutaue	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_cctaue	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_ddtaue	$(\bar{d}_L \gamma^\mu d_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_sstaue	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
CSRL_tauueuu	$(\bar{e}_L \tau_R)(\bar{u}_R u_L)$	C
CSRL_tauuecc	$(\bar{e}_L \tau_R)(\bar{c}_R c_L)$	C
CSRL_etauuu	$(\bar{\tau}_L e_R)(\bar{u}_R u_L)$	C
CSRL_etaucc	$(\bar{\tau}_L e_R)(\bar{c}_R c_L)$	C
CSRL_tauedd	$(\bar{e}_L \tau_R)(\bar{d}_R d_L)$	C
CSRL_tauess	$(\bar{e}_L \tau_R)(\bar{s}_R s_L)$	C
CSRL_etaudd	$(\bar{\tau}_L e_R)(\bar{d}_R d_L)$	C
CSRL_etauss	$(\bar{\tau}_L e_R)(\bar{s}_R s_L)$	C
CSRR_eetaue	$(\bar{e}_L e_R)(\bar{e}_L \tau_R)$	C
CSRR_eeetau	$(\bar{e}_L e_R)(\bar{\tau}_L e_R)$	C
CSRR_muetaumu	$(\bar{e}_L \mu_R)(\bar{\mu}_L \tau_R)$	C
CSRR_tauemumu	$(\bar{e}_L \tau_R)(\bar{\mu}_L \mu_R)$	C
CSRR_tauetautau	$(\bar{e}_L \tau_R)(\bar{\tau}_L \tau_R)$	C
CSRR_emumutau	$(\bar{\mu}_L e_R)(\bar{\tau}_L \mu_R)$	C
CSRR_mumuetau	$(\bar{\mu}_L \mu_R)(\bar{\tau}_L e_R)$	C
CSRR_etautautau	$(\bar{\tau}_L e_R)(\bar{\tau}_L \tau_R)$	C
CSRR_tauueuu	$(\bar{e}_L \tau_R)(\bar{u}_L u_R)$	C
CSRR_tauuecc	$(\bar{e}_L \tau_R)(\bar{c}_L c_R)$	C
CSRR_etauuu	$(\bar{\tau}_L e_R)(\bar{u}_L u_R)$	C
CSRR_etaucc	$(\bar{\tau}_L e_R)(\bar{c}_L c_R)$	C
CTRR_tauueuu	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CTRR_tauuecc	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CTRR_etauuu	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C

WC name	Operator	Type
CTRR_etaucc	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CSRR_tauedd	$(\bar{e}_L \tau_R)(\bar{d}_L d_R)$	C
CSRR_tauess	$(\bar{e}_L \tau_R)(\bar{s}_L s_R)$	C
CSRR_etaudd	$(\bar{\tau}_L e_R)(\bar{d}_L d_R)$	C
CSRR_etauss	$(\bar{\tau}_L e_R)(\bar{s}_L s_R)$	C
CTRR_tauedd	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_tauess	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_etaudd	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_etauss	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C

nunumue

WC name	Operator	Type
CVLL_nuenuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{eL})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_numunueemu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{\mu}_L \gamma_\mu e_L)$	C
CVLL_numunuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_numunumumue	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_nutaunueemu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{\mu}_L \gamma_\mu e_L)$	C
CVLL_nutaunuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_nutaunumuemu	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_L \gamma_\mu e_L)$	C
CVLL_nutaunumumue	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLL_nutaunutaumue	$(\bar{\nu}_{\tau L} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \mu_L)$	C
CVLR_nuenuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{eL})(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_numunueemu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{\mu}_R \gamma_\mu e_R)$	C
CVLR_numunuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_numunumumue	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_nutaunueemu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{\mu}_R \gamma_\mu e_R)$	C
CVLR_nutaunuemue	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_nutaunumuemu	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_R \gamma_\mu e_R)$	C
CVLR_nutaunumumue	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \mu_R)$	C
CVLR_nutaunutaumue	$(\bar{\nu}_{\tau L} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \mu_R)$	C

nunumutau

WC name	Operator	Type
CVLL_nuenuetaumu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{eL})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_numunuemutau	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{\tau}_L \gamma_\mu \mu_L)$	C
CVLL_numunuetaumu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\mu L})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_numunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_nutaunuemutau	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{\tau}_L \gamma_\mu \mu_L)$	C
CVLL_nutaunuetaumu	$(\bar{\nu}_{eL} \gamma^\mu \nu_{\tau L})(\bar{\mu}_L \gamma_\mu \tau_L)$	C

WC name	Operator	Type
CVLL_nutaunumumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_L \gamma_\mu \mu_L)$	C
CVLL_nutaunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_nutaunutautau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLR_nuenuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_numunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{\tau}_R \gamma_\mu \mu_R)$	C
CVLR_numunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_numunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_R \gamma_\mu \mu_R)$	C
CVLR_nutaunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_R \gamma_\mu \mu_R)$	C
CVLR_nutaunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunutautau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\mu}_R \gamma_\mu \tau_R)$	C

nunutaue

WC name	Operator	Type
CVLL_nuenuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_numunueetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{\tau}_L \gamma_\mu e_L)$	C
CVLL_numunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_numunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_nutaunueetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_L \gamma_\mu e_L)$	C
CVLL_nutaunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_nutaunumetau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_L \gamma_\mu e_L)$	C
CVLL_nutaunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLL_nutaunutautau	$(\bar{\nu}_{\tau L} \gamma^\mu \nu_{\tau L})(\bar{e}_L \gamma_\mu \tau_L)$	C
CVLR_nuenuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_numunueetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_numunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\mu L})(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_numunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\mu L})(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunueetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_nutaunuetau	$(\bar{\nu}_{e L} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunumetau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{\tau}_R \gamma_\mu e_R)$	C
CVLR_nutaunumutau	$(\bar{\nu}_{\mu L} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \tau_R)$	C
CVLR_nutaunutautau	$(\bar{\nu}_{\tau L} \gamma^\mu \nu_{\tau L})(\bar{e}_R \gamma_\mu \tau_R)$	C

ffnunu

WC name	Operator	Type
CVLL_nuenuecc	$\frac{4G_F}{\sqrt{2}} (\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{e}_L \gamma_\mu c_L)$	R
CVLL_nuenuedd	$\frac{4G_F}{\sqrt{2}} (\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{d}_L \gamma_\mu d_L)$	R
CVLL_nuenueee	$\frac{4G_F}{\sqrt{2}} (\bar{\nu}_{e L} \gamma^\mu \nu_{e L})(\bar{e}_L \gamma_\mu e_L)$	R

WC name	Operator	Type
CVLL_nuenuemumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
CVLL_nuenuess	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_nuenuetautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
CVLL_nuenuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_nuenumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{c}_L\gamma_\mu c_L)$	C
CVLL_nuenumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{d}_L\gamma_\mu d_L)$	C
CVLL_nuenumuee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{e}_L\gamma_\mu e_L)$	C
CVLL_nuenumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\mu}_L\gamma_\mu\mu_L)$	C
CVLL_nuenumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{s}_L\gamma_\mu s_L)$	C
CVLL_nuenumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\tau}_L\gamma_\mu\tau_L)$	C
CVLL_nuenumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{u}_L\gamma_\mu u_L)$	C
CVLL_nuenutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{c}_L\gamma_\mu c_L)$	C
CVLL_nuenutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{d}_L\gamma_\mu d_L)$	C
CVLL_nuenutau ee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	C
CVLL_nuenutauumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\mu_L)$	C
CVLL_nuenutau ss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	C
CVLL_nuenutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu\tau_L)$	C
CVLL_nuenutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	C
CVLL_numunumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_numunumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_numunumuee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{e}_L\gamma_\mu e_L)$	R
CVLL_numunumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
CVLL_numunumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_numunumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
CVLL_numunumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_numunutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{c}_L\gamma_\mu c_L)$	C
CVLL_numunutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{d}_L\gamma_\mu d_L)$	C
CVLL_numunutau ee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	C
CVLL_numunutauumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\mu_L)$	C
CVLL_numunutau ss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	C
CVLL_numunutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu\tau_L)$	C
CVLL_numunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	C
CVLL_nutaunutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_nutaunutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_nutaunutau ee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	R
CVLL_nutaunutauumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
CVLL_nutaunutau ss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	R

WC name	Operator	Type
CVLL_nutaunutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
CVLL_nutaunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	R
CVLR_nuenuecc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{c}_R\gamma_\mu c_R)$	R
CVLR_nuenuedd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{d}_R\gamma_\mu d_R)$	R
CVLR_nuenueee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_nuenuemumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{\mu}_R\gamma_\mu\mu_R)$	R
CVLR_nuenuess	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{s}_R\gamma_\mu s_R)$	R
CVLR_nuenuetautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{\tau}_R\gamma_\mu\tau_R)$	R
CVLR_nuenuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_R\gamma_\mu u_R)$	R
CVLR_nuenumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{c}_R\gamma_\mu c_R)$	C
CVLR_nuenumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_nuenumuee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_nuenumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\mu}_R\gamma_\mu\mu_R)$	C
CVLR_nuenumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_nuenumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVLR_nuenumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_nuenuataucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{c}_R\gamma_\mu c_R)$	C
CVLR_nuenuataudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_nuenuatauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_nuenuataumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\mu_R)$	C
CVLR_nuenuatauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_nuenuatautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVLR_nuenuatauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_numunumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{c}_R\gamma_\mu c_R)$	R
CVLR_numunumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{d}_R\gamma_\mu d_R)$	R
CVLR_numunumuee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_numunumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\mu}_R\gamma_\mu\mu_R)$	R
CVLR_numunumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{s}_R\gamma_\mu s_R)$	R
CVLR_numunumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\tau}_R\gamma_\mu\tau_R)$	R
CVLR_numunumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{u}_R\gamma_\mu u_R)$	R
CVLR_numunutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{c}_R\gamma_\mu c_R)$	C
CVLR_numunutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_numunutauuee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_numunutauumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\mu_R)$	C
CVLR_numunutauuss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_numunutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVLR_numunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	C

WC name	Operator	Type
CVLR_nutaunutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{c}_R\gamma_\mu c_R)$	R
CVLR_nutaunutaodd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{d}_R\gamma_\mu d_R)$	R
CVLR_nutaunutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_nutaunutaumum	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\mu_R)$	R
CVLR_nutaunutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{s}_R\gamma_\mu s_R)$	R
CVLR_nutaunutaup	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\tau_R)$	R
CVLR_nutaunutauiu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	R

muemutau

WC name	Operator	Type
CVLL_muemutau	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{\tau}_L\gamma_\mu\mu_L)$	C
CVRR_muemutau	$(\bar{e}_R\gamma^\mu\mu_R)(\bar{\tau}_R\gamma_\mu\mu_R)$	C
CVLR_muemutau	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{\tau}_R\gamma_\mu\mu_R)$	C
CVLR_tauemu	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{\mu}_R\gamma_\mu e_R)$	C
CSRR_muemutau	$(\bar{e}_L\mu_R)(\bar{\tau}_L\mu_R)$	C
CSRR_emutaumu	$(\bar{\mu}_L e_R)(\bar{\mu}_L\tau_R)$	C

etaumu

WC name	Operator	Type
CVLL_muetaue	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{e}_L\gamma_\mu\tau_L)$	C
CVRR_muetaue	$(\bar{e}_R\gamma^\mu\mu_R)(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_muetaue	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_tauemue	$(\bar{e}_L\gamma^\mu\tau_L)(\bar{e}_R\gamma_\mu\mu_R)$	C
CSRR_muetaue	$(\bar{e}_L\mu_R)(\bar{e}_L\tau_R)$	C
CSRR_etaumu	$(\bar{\mu}_L e_R)(\bar{\tau}_L e_R)$	C